* FOR INDEX OF ARCHITECTURAL PLANS REFER TO SHEETS AG-001 & AG-002

FLORIDA-ALABAMA TPO

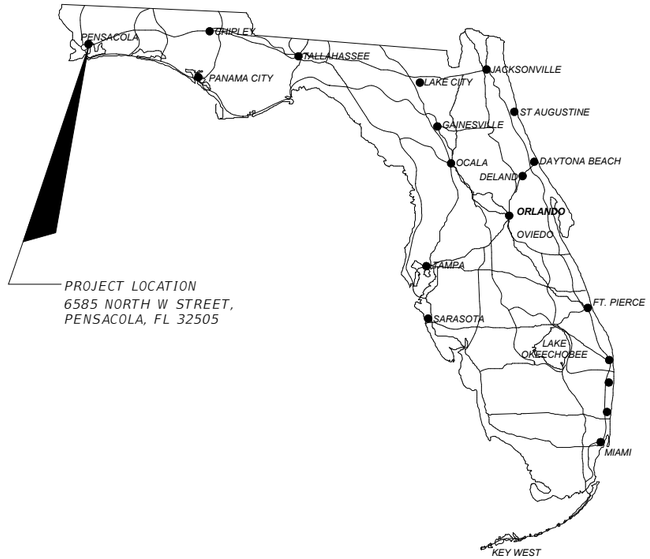
CONTRACT PLANS

FDOT FPID: 451524-1-38-01

ESCAMBIA-SANTA ROSA RTMC AND RTMC SUPPORT FACILITY

6585 NORTH W STREET,
PENSACOLA, FL 32505

ARCHITECTURAL PLANS



ARCHITECTURAL PLANS
ARCHITECT OF RECORD:

ERIC LUTTMANN, AIA
LICENSE NUMBER AR 97111

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607

CONSTRUCTION DOCUMENTS
DATE JUNE 2025

CONSTRUCTION CONTRACT NO.	YEAR	DWG NO.	SHEET NO.
	2025	AG-000	

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SHEET DISCIPLINE	DWG NO.	DWG NAME
GENERAL	AG-000	COVER SHEET
GENERAL	AG-001	ARCHITECTUAL INDEX OF SHEETS (1)
GENERAL	AG-002	ARCHITECTUAL INDEX OF SHEETS (2)
GENERAL	AG-003	SIGNATURE SHEET (1)
GENERAL	AG-004	SIGNATURE SHEET (2)
GENERAL	AG-005	SIGNATURE SHEET (3)
GENERAL	AG-006	NOTES & LEGENDS
GENERAL	AG-007	LIFE SAFETY PLAN & CODE CRITERIA
GENERAL	AG-008	ACCESSIBILITY DETAILS
GEOTECHNICAL	AB-000	REPORT OF TESTS
GEOTECHNICAL	AB-001	REPORT OF SOIL BORINGS
GEOTECHNICAL	AB-002	REPORT OF SOIL BORINGS
GEOTECHNICAL	AB-003	REPORT OF SOIL BORINGS
GEOTECHNICAL	AB-004	REPORT OF SOIL BORINGS
GEOTECHNICAL	AB-005	REPORT OF SOIL BORINGS
CIVIL	C101	GENERAL NOTES
CIVIL	C102	BENCHMARK LOCATIONS
CIVIL	C103	EXISTING CONDITIONS AND DEMOLITION PLAN
CIVIL	C104	TREE INVENTORY
CIVIL	C105	TREE INVENTORY LIST
CIVIL	C106	SWPPP
CIVIL	C107	SWPPP NOTES AND DETAIL
CIVIL	C108	SITE PLAN
CIVIL	C109	DIMENSIONING PLAN
CIVIL	C110	TRAFFIC CIRCULATION PLAN
CIVIL	C111	PAVEMENT MARKING SIGNAGE PLAN
CIVIL	C112	GRADING AND DRAINAGE PLAN
CIVIL	C113	DRAINAGE DETAILS
CIVIL	C114	DETAILED GRADING PLAN
CIVIL	C115	CONSTRUCTION DETAILS (1 OF 2)
CIVIL	C116	CONSTRUCTION DETAILS (2 OF 2)
CIVIL	C117	UTILITY PLAN
ARCHITECTURAL SITE	AC-118	ARCHITECTURAL SITE PLAN
ARCHITECTURAL SITE	AC-119	ENLARGED SITE DETAILS
ARCHITECTURAL SITE	AC-120	ENLARGED SITE DETAILS
LANDSCAPE ARCHITECTURE	L100	LANDSCAPE PLAN
LANDSCAPE ARCHITECTURE	L101	LANDSCAPE PLAN
LANDSCAPE ARCHITECTURE	L102	LANDSCAPE PLAN
LANDSCAPE ARCHITECTURE	L103	LANDSCAPE PLAN
LANDSCAPE ARCHITECTURE	L501	LANDSCAPE DETAILS
LANDSCAPE ARCHITECTURE	L502	LANDSCAPE NOTES
LANDSCAPE ARCHITECTURE	L503	LANDSCAPE NOTES
LANDSCAPE ARCHITECTURE	IR100	OVERALL IRRIGATION PLAN
LANDSCAPE ARCHITECTURE	IR101	IRRIGATION PLAN
LANDSCAPE ARCHITECTURE	IR102	IRRIGATION PLAN
LANDSCAPE ARCHITECTURE	IR103	IRRIGATION PLAN
LANDSCAPE ARCHITECTURE	IR501	IRRIGATION DETAILS
LANDSCAPE ARCHITECTURE	IR502	IRRIGATION DETAILS
LANDSCAPE ARCHITECTURE	IR503	IRRIGATION NOTES
STRUCTURAL	S-000	COVER SHEET
STRUCTURAL	S-001	GENERAL NOTES
STRUCTURAL	S-002	GENERAL NOTES
STRUCTURAL	S-003	GENERAL NOTES
STRUCTURAL	S-004	GENERAL NOTES
STRUCTURAL	S-005	GENERAL NOTES
STRUCTURAL	S-006	GENERAL NOTES
STRUCTURAL	S-007	WIND PRESSURES AND DIAGRAMS
STRUCTURAL	S-100	FOUNDATION PLAN - OVERALL
STRUCTURAL	S-101	FOUNDATION PLAN - NORTH
STRUCTURAL	S-102	FOUNDATION PLAN - SOUTH
STRUCTURAL	S-110	ROOF FRAMING PLAN - OVERALL
STRUCTURAL	S-111	ROOF FRAMING PLAN - NORTH
STRUCTURAL	S-112	ROOF FRAMING PLAN - SOUTH
STRUCTURAL	S-120	ENLARGED PLAN - TRASH ENCLOSURE
STRUCTURAL	S-301	TYPICAL FOUNDATION SCHEDULE & DETAILS
STRUCTURAL	S-302	TYPICAL FOUNDATION SCHEDULE & DETAILS
STRUCTURAL	S-303	TYPICAL FOUNDATION DETAILS
STRUCTURAL	S-304	TYPICAL FOUNDATION DETAILS
STRUCTURAL	S-305	TYPICAL TILT WALL DETAILS - FOUNDATION
STRUCTURAL	S-306	TYPICAL TILT WALL DETAILS - FOUNDATION
STRUCTURAL	S-310	FOUNDATION DETAILS
STRUCTURAL	S-550	STANDARD BEAM CONNECTION DETAILS

SHEET DISCIPLINE	DWG NO.	DWG NAME
STRUCTURAL	S-551	TYPICAL STEEL DETAILS
STRUCTURAL	S-552	STANDARD COMPOSITE DECK DETAILS
STRUCTURAL	S-553	STANDARD COMPOSITE DECK DETAILS
STRUCTURAL	S-554	STANDARD STEEL JOISTS DETAILS
STRUCTURAL	S-555	STANDARD STEEL JOISTS DETAILS
STRUCTURAL	S-556	STANDARD STEEL JOISTS DETAILS
STRUCTURAL	S-557	STEEL COLUMN BASE PLATE DETAILS
STRUCTURAL	S-558	STEEL COLUMN EMBED DETAILS
STRUCTURAL	S-600	TYPICAL TILT WALL DETAILS
STRUCTURAL	S-610	TILT-WALL ELEVATION
STRUCTURAL	S-611	TILT-WALL ELEVATION
STRUCTURAL	S-612	TILT-WALL ELEVATION
STRUCTURAL	S-613	TYPICAL BRACE DETAILS
STRUCTURAL	S-614	BRACED FRAME ELEVATIONS
STRUCTURAL	S-620	TYPICAL TILT RENIF. WALL ELEVATIONS
STRUCTURAL	S-621	TYPICAL TILT RENIF. WALL ELEVATIONS
STRUCTURAL	S-630	ROOF FRAMING DETAILS
STRUCTURAL	S-631	ROOF FRAMING DETAILS
ARCHITECTURAL	AA-101	OVERALL FLOOR PLAN
ARCHITECTURAL	AA-102	ENLARGED FLOOR PLAN (DIMENSIONS)
ARCHITECTURAL	AA-103	ENLARGED FLOOR PLAN (DIMENSIONS)
ARCHITECTURAL	AA-104	ENLARGED FLOOR PLAN (FINISH)
ARCHITECTURAL	AA-105	ENLARGED FLOOR PLAN (FINISH)
ARCHITECTURAL	AA-106	OVERALL REFLECTED CEILING PLAN
ARCHITECTURAL	AA-107	ENLARGED FIRST FLOOR REFLECTED CEILING PLAN
ARCHITECTURAL	AA-108	ENLARGED FIRST FLOOR REFLECTED CEILING PLAN
ARCHITECTURAL	AA-109	ROOF PLAN
ARCHITECTURAL	AA-201	EXTERIOR ELEVATIONS (1)
ARCHITECTURAL	AA-202	EXTERIOR ELEVATIONS (2)
ARCHITECTURAL	AA-203	EXTERIOR ELEVATIONS (3)
ARCHITECTURAL	AA-204	INTERIOR ELEVATIONS (1)
ARCHITECTURAL	AA-301	BUILDING SECTIONS (1)
ARCHITECTURAL	AA-302	WALL SECTIONS (1)
ARCHITECTURAL	AA-303	WALL SECTIONS (2)
ARCHITECTURAL	AA-304	WALL SECTIONS (3)
ARCHITECTURAL	AA-401	ENLARGED PLANS (1)
ARCHITECTURAL	AA-402	ENLARGED PLANS (2)
ARCHITECTURAL	AA-403	ENLARGED PLANS (3)
ARCHITECTURAL	AA-404	ENLARGED PLANS (3)
ARCHITECTURAL	AA-501	EXTERIOR STOREFRONT DETAILS
ARCHITECTURAL	AA-502	PANEL AND SOFFIT DETAILS (1)
ARCHITECTURAL	AA-503	PANEL AND SOFFIT DETAILS (2)
ARCHITECTURAL	AA-504	PANEL AND SOFFIT DETAILS (3)
ARCHITECTURAL	AA-505	CEILING AND BAFFLE DETAILS
ARCHITECTURAL	AA-506	DETAILS (1)
ARCHITECTURAL	AA-507	DETAILS (2)
ARCHITECTURAL	AA-508	DETAILS (3)
ARCHITECTURAL	AA-509	TYPICAL DETAILS
ARCHITECTURAL	AA-510	ROOF DETAILS
ARCHITECTURAL	AA-601	DOOR SCHEDULE, DOOR / FRAME & NOTES
ARCHITECTURAL	AA-602	DOOR SCHEDULE, STOREFRONT TYPES & NOTES
ARCHITECTURAL	AA-603	FINISH SCHEDULE
ARCHITECTURAL	AA-701	CASEWORK ELEVATIONS
ARCHITECTURAL	AA-702	TMC CASEWORK
ARCHITECTURAL	AA-703	CASEWORK DETAILS
ARCHITECTURAL	AA-704	SIGNAGE AND GRAPHICS
ARCHITECTURAL	AA-901	PERSPECTIVES (1)
ARCHITECTURAL	AA-902	PERSPECTIVES (2)
ARCHITECTURAL	AA-903	PERSPECTIVES (3)

No.	Date	Issue / Revision

ERIC LUTTMANN, AIA
AR 97111

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607

FLORIDA-ALABAMA TPO

ROAD NAME	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

ARCHITECTUAL INDEX OF SHEETS (1)

DWG NO. AG-001

SHEET NO.

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SHEET DISCIPLINE	DWG NO.	DWG NAME
FIRE PROTECTION	AF-001	FIRE PROTECTION GENERAL NOTES
FIRE PROTECTION	AF-101	OVERALL FIRE PROTECTION PLAN AND NARRATIVE
FIRE PROTECTION	AF-501	FIRE PROTECTION DETAILS
PLUMBING	AP-001	PLUMBING LEGEND AND GENERAL NOTES
PLUMBING	AP-100	PLUMBING SITE PLAN
PLUMBING	AP-111	PLUMBING PLAN
PLUMBING	AP-301	PLUMBING SECTIONS
PLUMBING	AP-401	ENLARGED PLUMBING PLANS
PLUMBING	AP-501	PLUMBING DETAILS
PLUMBING	AP-601	PLUMBING EQUIPMENT SCHEDULE
PLUMBING	AP-602	PLUMBING FIXTURE SCHEDULE
PLUMBING	AP-603	PLUMBING FIXTURE SCHEDULE - CONTINUED
PLUMBING	AP-901	PLUMBING - SANITARY WASTE ISOMETRIC
PLUMBING	AP-902	PLUMBING - PARTIAL SANITARY WASTE ISOMETRIC
PLUMBING	AP-903	PLUMBING - DOMESTIC WATER ISOMETRIC
PLUMBING	AP-904	PLUMBING - PARTIAL DOMESTIC WATER ISOMETRIC
MECHANICAL	AM-001	HVAC DESIGN CRITERIA, LEGEND, AND GENERAL NOTES
MECHANICAL	AM-002	HVAC GENERAL NOTES (CONTINUED)
MECHANICAL	AM-003	HVAC BUILDING AIR BALANCE AND VENTILATION TABULATION
MECHANICAL	AM-100	HVAC SITE PLAN
MECHANICAL	AM-101	OVERALL HVAC PLAN
MECHANICAL	AM-111	HVAC PLAN QUAD A
MECHANICAL	AM-112	HVAC PLAN QUAD B
MECHANICAL	AM-113	HVAC PLAN QUAD C
MECHANICAL	AM-114	HVAC PLAN QUAD D
MECHANICAL	AM-401	ENLARGED HVAC PLANS
MECHANICAL	AM-402	ENLARGED HVAC PLANS
MECHANICAL	AM-501	HVAC DETAILS
MECHANICAL	AM-502	HVAC DETAILS
MECHANICAL	AM-503	HVAC DETAILS
MECHANICAL	AM-601	HVAC SCHEDULES
MECHANICAL	AM-602	HVAC SCHEDULES
MECHANICAL	AM-603	HVAC SCHEDULES
MECHANICAL	AM-604	HVAC SCHEDULES
MECHANICAL	AM-605	HVAC SCHEDULES
MECHANICAL	AM-606	HVAC SCHEDULES
MECHANICAL	AM-701	HVAC CONTROLS - CHILLED WATER PLANT SEQUENCES
MECHANICAL	AM-702	HVAC CONTROLS - CHILLED WATER PLANT SCHEMATIC
MECHANICAL	AM-703	HVAC CONTROLS - AIRSIDE SEQUENCES
MECHANICAL	AM-704	HVAC CONTROLS - AIRSIDE FLOW SCHEMATIC
MECHANICAL	AM-705	HVAC CONTROLS - POINT SCHEDULE
ELECTRICAL	AE-001	ELECTRICAL LEGEND AND GENERAL NOTES
ELECTRICAL	AE-002	LUMINAIRE SCHEDULE AND CUT SHEETS
ELECTRICAL	AE-003	LUMINAIRE CUT SHEETS
ELECTRICAL	AE-004	LIGHTING CUT SHEETS
ELECTRICAL	AE-005	LUMINAIRE CUT SHEETS
ELECTRICAL	AE-006	ELECTRICAL SITE PLAN
ELECTRICAL	AE-007	LIGHTING SITE PLAN
ELECTRICAL	AE-101	LIGHTING PLAN NORTH
ELECTRICAL	AE-102	LIGHTING PLAN SOUTH
ELECTRICAL	AE-103	LIGHTING CONTROLS PLAN NORTH
ELECTRICAL	AE-104	LIGHTING CONTROLS PLAN SOUTH
ELECTRICAL	AE-201	POWER PLAN NORTH
ELECTRICAL	AE-202	POWER PLAN SOUTH
ELECTRICAL	AE-203	ENLARGED ELECTRICAL ROOM PLANS
ELECTRICAL	AE-204	ENLARGED GENERATOR/CHILLER YARD PLAN
ELECTRICAL	AE-205	MECHANICAL EQUIPMENT CONNECTION PLAN NORTH
ELECTRICAL	AE-206	MECHANICAL EQUIPMENT CONNECTION PLAN SOUTH
ELECTRICAL	AE-207	MECHANICAL EQUIPMENT CONNECTION SCHEDULE
ELECTRICAL	AE-301	FIRE ALARM SYSTEMS PLAN NORTH
ELECTRICAL	AE-302	FIRE ALARM SYSTEMS PLAN SOUTH
ELECTRICAL	AE-401	LIGHTNING PROTECTION PLAN
ELECTRICAL	AE-501	ELECTRICAL RISER DIAGRAM
ELECTRICAL	AE-502	ELECTRICAL PANEL SCHEDULES
ELECTRICAL	AE-503	ELECTRICAL PANEL SCHEDULES
ELECTRICAL	AE-504	ELECTRICAL PANEL SCHEDULES
ELECTRICAL	AE-505	ELECTRICAL PANEL SCHEDULES
ELECTRICAL	AE-601	FIRE ALARM RISER DIAGRAM
ELECTRICAL	AE-701	ELECTRICAL DETAILS
ELECTRICAL	AE-702	ELECTRICAL DETAILS
ELECTRICAL	AE-703	ELECTRICAL DETAILS
ELECTRICAL	AE-704	LIGHTNING PROTECTION DETAILS

SHEET DISCIPLINE	DWG NO.	DWG NAME
INTEGRATED TECHNOLOGY SYSTEMS	ITS100	CONTROL ROOM VIDEO WALL PLAN
INTEGRATED TECHNOLOGY SYSTEMS	ITS101	VIDEO WALL MONITOR LAYOUT
INTEGRATED TECHNOLOGY SYSTEMS	ITS102	VIDEO WALL CONNECTION DIAGRAM
INTEGRATED TECHNOLOGY SYSTEMS	ITS103	SERVER RACK LAYOUT
INTEGRATED TECHNOLOGY SYSTEMS	ITS104	VIDEO WALL CUTSHEETS
INTEGRATED TECHNOLOGY SYSTEMS	ITS105	SPLICING DIAGRAM
INTEGRATED TECHNOLOGY SYSTEMS	ITS106	WARNING SITE PLAN
INTEGRATED TECHNOLOGY SYSTEMS	ITS107	WARNING SITE DETAILS
TELECOMMUNICATIONS	TN001	TELECOMMUNICATIONS GENERAL NOTES AND LEGENDS
TELECOMMUNICATIONS	TN100	TELECOMMUNICATIONS SITE PLAN
TELECOMMUNICATIONS	TN101	TELECOMMUNICATIONS OVERALL FLOOR PLAN
TELECOMMUNICATIONS	TN102	TELECOMMUNICATIONS FLOOR PLAN NORTH
TELECOMMUNICATIONS	TN103	TELECOMMUNICATIONS FLOOR PLAN SOUTH
TELECOMMUNICATIONS	TN201	TELECOMMUNICATIONS ENLARGED PLANS
TELECOMMUNICATIONS	TN401	TELECOMMUNICATIONS SCHEDULES
TELECOMMUNICATIONS	TN501	TELECOMMUNICATIONS DETAILS I
TELECOMMUNICATIONS	TN502	TELECOMMUNICATIONS DETAILS II
SECURITY	TY001	SECURITY GENERAL NOTES AND LEGENDS
SECURITY	TY100	SECURITY SITE PLAN
SECURITY	TY101	SECURITY OVERALL FLOOR PLAN
SECURITY	TY102	SECURITY FLOOR PLAN NORTH
SECURITY	TY103	SECURITY FLOOR PLAN SOUTH
SECURITY	TY201	TELECOMMUNICATIONS ENLARGED PLANS
SECURITY	TY401	SECURITY SCHEDULES
SECURITY	TY501	SECURITY DETAILS I
SECURITY	TY502	SECURITY DETAILS II
TOTAL SHEETS: 229		

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No.	Date	Issue / Revision

ERIC LUTTMANN, AIA
AR 97111

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607

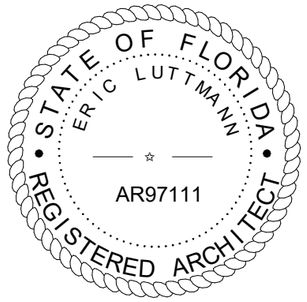
FLORIDA-ALABAMA TPO

ROAD NAME	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

ARCHITECTUAL INDEX OF SHEETS (2)

DWG NO. AG-002

SHEET NO.



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Eric Luttmann
Eric Luttmann 2025.06.24 12:23:48-04'00'

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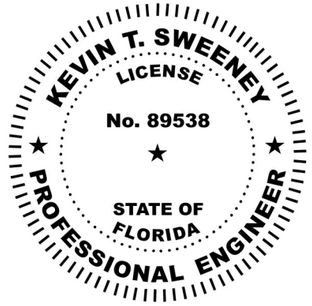
WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD, SUITE 375, TAMPA FL, 33607
ERIC LUTTMANN, AIA AR97111

THE ABOVE NAMED REGISTERED ARCHITECT SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G1-16.005, F.A.C.

SHEET DISCIPLINE	DWG NO.	DWG NAME
GENERAL	AG-000	COVER SHEET
GENERAL	AG-001	ARCHITECTUAL INDEX OF SHEETS (1)
GENERAL	AG-002	ARCHITECTUAL INDEX OF SHEETS (2)
GENERAL	AG-003	SIGNATURE SHEET (1)
GENERAL	AG-006	NOTES & LEGENDS
GENERAL	AG-007	LIFE SAFETY PLAN & CODE CRITERIA
GENERAL	AG-008	ACCESSIBILITY DETAILS
ARCHITECTURAL SITE	AC-118	ARCHITECTURAL SITE PLAN
ARCHITECTURAL SITE	AC-119	ENLARGED SITE DETAILS
ARCHITECTURAL SITE	AC-120	ENLARGED SITE DETAILS
ARCHITECTURAL	AA-101	OVERALL FLOOR PLAN
ARCHITECTURAL	AA-102	ENLARGED FLOOR PLAN (DIMENSIONS)
ARCHITECTURAL	AA-103	ENLARGED FLOOR PLAN (DIMENSIONS)
ARCHITECTURAL	AA-104	ENLARGED FLOOR PLAN (FINISH)
ARCHITECTURAL	AA-105	ENLARGED FLOOR PLAN (FINISH)
ARCHITECTURAL	AA-106	OVERALL REFLECTED CEILING PLAN
ARCHITECTURAL	AA-107	ENLARGED FIRST FLOOR REFLECTED CEILING PLAN
ARCHITECTURAL	AA-108	ENLARGED FIRST FLOOR REFLECTED CEILING PLAN
ARCHITECTURAL	AA-109	ROOF PLAN
ARCHITECTURAL	AA-201	EXTERIOR ELEVATIONS (1)
ARCHITECTURAL	AA-202	EXTERIOR ELEVATIONS (2)
ARCHITECTURAL	AA-203	EXTERIOR ELEVATIONS (3)
ARCHITECTURAL	AA-204	INTERIOR ELEVATIONS (1)
ARCHITECTURAL	AA-301	BUILDING SECTIONS (1)
ARCHITECTURAL	AA-302	WALL SECTIONS (1)
ARCHITECTURAL	AA-303	WALL SECTIONS (2)
ARCHITECTURAL	AA-304	WALL SECTIONS (3)
ARCHITECTURAL	AA-401	ENLARGED PLANS (1)
ARCHITECTURAL	AA-402	ENLARGED PLANS (2)
ARCHITECTURAL	AA-403	ENLARGED PLANS (3)
ARCHITECTURAL	AA-404	ENLARGED PLANS (3)
ARCHITECTURAL	AA-501	EXTERIOR STOREFRONT DETAILS
ARCHITECTURAL	AA-502	PANEL AND SOFFIT DETAILS (1)
ARCHITECTURAL	AA-503	PANEL AND SOFFIT DETAILS (2)
ARCHITECTURAL	AA-504	PANEL AND SOFFIT DETAILS (3)
ARCHITECTURAL	AA-505	CEILING AND BAFFLE DETAILS
ARCHITECTURAL	AA-506	DETAILS (1)
ARCHITECTURAL	AA-507	DETAILS (2)
ARCHITECTURAL	AA-508	DETAILS (3)
ARCHITECTURAL	AA-509	TYPICAL DETAILS
ARCHITECTURAL	AA-510	ROOF DETAILS
ARCHITECTURAL	AA-601	DOOR SCHEDULE, DOOR / FRAME & NOTES
ARCHITECTURAL	AA-602	DOOR SCHEDULE, STOREFRONT TYPES & NOTES
ARCHITECTURAL	AA-603	FINISH SCHEDULE
ARCHITECTURAL	AA-701	CASEWORK ELEVATIONS
ARCHITECTURAL	AA-702	TMC CASEWORK
ARCHITECTURAL	AA-703	CASEWORK DETAILS
ARCHITECTURAL	AA-704	SIGNAGE AND GRAPHICS
ARCHITECTURAL	AA-901	PERSPECTIVES (1)
ARCHITECTURAL	AA-902	PERSPECTIVES (2)
ARCHITECTURAL	AA-903	PERSPECTIVES (3)



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Kevin T Sweeney
Digitally signed by Kevin T Sweeney
Date: 2025.06.23 16:37:38 -04'00'

ON THE DATE ADJACENT TO THE SEAL

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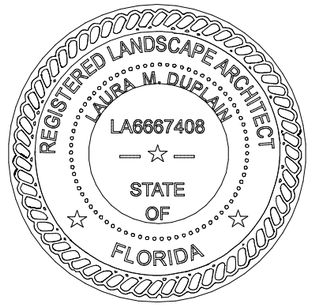
ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC.
3676 HARTSFIELDS ROAD,
TALLAHASSEE, FL 32303
KEVIN T. SWEENEY, PE NO. 89538

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

SHEET DISCIPLINE	DWG NO.	DWG NAME
GENERAL	AG-003	SIGNATURE SHEET (1)
GEOTECHNICAL	AB-000	REPORT OF TESTS
GEOTECHNICAL	AB-001	REPORT OF SOIL BORINGS
GEOTECHNICAL	AB-002	REPORT OF SOIL BORINGS
GEOTECHNICAL	AB-003	REPORT OF SOIL BORINGS
GEOTECHNICAL	AB-004	REPORT OF SOIL BORINGS
GEOTECHNICAL	AB-005	REPORT OF SOIL BORINGS



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Laura M Duplain
Digitally signed by Laura M Duplain
Date: 06/24/25

ON THE DATE ADJACENT TO THE SEAL

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HALFF ASSOCIATES, INC.
1000 N ASHLEY DR #900,
TAMPA, FL 33602
LAURA M. DUPLAIN, LA6667408

THE ABOVE NAMED PROFESSIONAL LANDSCAPE ARCHITECT SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G10-11.011, F.A.C.

SHEET DISCIPLINE	DWG NO.	DWG NAME
GENERAL	AG-003	SIGNATURE SHEET (1)
LANDSCAPE ARCHITECTURE	L100	LANDSCAPE PLAN
LANDSCAPE ARCHITECTURE	L101	LANDSCAPE PLAN
LANDSCAPE ARCHITECTURE	L102	LANDSCAPE PLAN
LANDSCAPE ARCHITECTURE	L103	LANDSCAPE PLAN
LANDSCAPE ARCHITECTURE	L501	LANDSCAPE DETAILS
LANDSCAPE ARCHITECTURE	L502	LANDSCAPE NOTES
LANDSCAPE ARCHITECTURE	L503	LANDSCAPE NOTES
LANDSCAPE ARCHITECTURE	IR100	OVERALL IRRIGATION PLAN
LANDSCAPE ARCHITECTURE	IR101	IRRIGATION PLAN
LANDSCAPE ARCHITECTURE	IR102	IRRIGATION PLAN
LANDSCAPE ARCHITECTURE	IR103	IRRIGATION PLAN
LANDSCAPE ARCHITECTURE	IR501	IRRIGATION DETAILS
LANDSCAPE ARCHITECTURE	IR502	IRRIGATION DETAILS
LANDSCAPE ARCHITECTURE	IR503	IRRIGATION NOTES

No.	Date	Issue / Revision

ERIC LUTTMANN, AIA
AR 97111

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607

FLORIDA-ALABAMA TPO

ROAD NAME	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

SIGNATURE SHEET (1)

DWG NO. AG-003

SHEET NO.

AUSTIN DAVID CUSHING
LICENSE
No 94521
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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Austin D Cushing 2025.06.24 08:41:17 -04'00'

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HALFF ASSOCIATES, INC.
2255 KILLEARN CENTER BLVD SUITE 200,
TALLAHASSEE, FL 32309
AUSTIN DAVID CUSHING, PE NO. 94521

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

SHEET DISCIPLINE	DWG NO.	DWG NAME
GENERAL	AG-004	SIGNATURE SHEET (2)
CIVIL	C101	GENERAL NOTES
CIVIL	C102	BENCHMARK LOCATIONS
CIVIL	C103	EXISTING CONDITIONS AND DEMOLITION PLAN
CIVIL	C104	TREE INVENTORY
CIVIL	C105	TREE INVENTORY LIST
CIVIL	C106	SWPPP
CIVIL	C107	SWPPP NOTES AND DETAIL
CIVIL	C108	SITE PLAN
CIVIL	C109	DIMENSIONING PLAN
CIVIL	C110	TRAFFIC CIRCULATION PLAN
CIVIL	C111	PAVEMENT MARKING SIGNAGE PLAN
CIVIL	C112	GRADING AND DRAINAGE PLAN
CIVIL	C113	DRAINAGE DETAILS
CIVIL	C114	DETAILED GRADING PLAN
CIVIL	C115	CONSTRUCTION DETAILS (1 OF 2)
CIVIL	C116	CONSTRUCTION DETAILS (2 OF 2)
CIVIL	C117	UTILITY PLAN

CODY LAMBERT
LICENSE
100455
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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Cody Lambert 2025.06.23 16:30:23-05'00'

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WGI, INC.
2727 ALLEN PKWY SUITE 1350,
Houston, TX 77019
CODY LAMBERT, PE NO. 100455

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

SHEET DISCIPLINE	DWG NO.	DWG NAME
GENERAL	AG-004	SIGNATURE SHEET (2)
STRUCTURAL	S-000	COVER SHEET
STRUCTURAL	S-001	GENERAL NOTES
STRUCTURAL	S-002	GENERAL NOTES
STRUCTURAL	S-003	GENERAL NOTES
STRUCTURAL	S-004	GENERAL NOTES
STRUCTURAL	S-005	GENERAL NOTES
STRUCTURAL	S-006	GENERAL NOTES
STRUCTURAL	S-007	WIND PRESSURES AND DIAGRAMS
STRUCTURAL	S-100	FOUNDATION PLAN - OVERALL
STRUCTURAL	S-101	FOUNDATION PLAN - NORTH
STRUCTURAL	S-102	FOUNDATION PLAN - SOUTH
STRUCTURAL	S-110	ROOF FRAMING PLAN - OVERALL
STRUCTURAL	S-111	ROOF FRAMING PLAN - NORTH
STRUCTURAL	S-112	ROOF FRAMING PLAN - SOUTH
STRUCTURAL	S-120	ENLARGED PLAN - TRASH ENCLOSURE
STRUCTURAL	S-301	TYPICAL FOUNDATION SCHEDULE & DETAILS
STRUCTURAL	S-302	TYPICAL FOUNDATION SCHEDULE & DETAILS
STRUCTURAL	S-303	TYPICAL FOUNDATION DETAILS
STRUCTURAL	S-304	TYPICAL FOUNDATION DETAILS
STRUCTURAL	S-305	TYPICAL TILT WALL DETAILS - FOUNDATION
STRUCTURAL	S-306	TYPICAL TILT WALL DETAILS - FOUNDATION
STRUCTURAL	S-310	FOUNDATION DETAILS
STRUCTURAL	S-550	STANDARD BEAM CONNECTION DETAILS
STRUCTURAL	S-551	TYPICAL STEEL DETAILS
STRUCTURAL	S-552	STANDARD COMPOSITE DECK DETAILS
STRUCTURAL	S-553	STANDARD COMPOSITE DECK DETAILS
STRUCTURAL	S-554	STANDARD STEEL JOISTS DETAILS
STRUCTURAL	S-555	STANDARD STEEL JOISTS DETAILS
STRUCTURAL	S-556	STANDARD STEEL JOISTS DETAILS
STRUCTURAL	S-557	STEEL COLUMN BASE PLATE DETAILS
STRUCTURAL	S-558	STEEL COLUMN EMBED DETAILS
STRUCTURAL	S-600	TYPICAL TILT WALL DETAILS
STRUCTURAL	S-610	TILT-WALL ELEVATION
STRUCTURAL	S-611	TILT-WALL ELEVATION
STRUCTURAL	S-612	TILT-WALL ELEVATION
STRUCTURAL	S-613	TYPICAL BRACE DETAILS
STRUCTURAL	S-614	BRACED FRAME ELEVATIONS
STRUCTURAL	S-620	TYPICAL TILT RENIF. WALL ELEVATIONS
STRUCTURAL	S-621	TYPICAL TILT RENIF. WALL ELEVATIONS
STRUCTURAL	S-630	ROOF FRAMING DETAILS
STRUCTURAL	S-631	ROOF FRAMING DETAILS

STEPHEN R. FORKNER
LICENSE
No 80532
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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Stephen R Forkner
2025.06.23 16:45:18-04'00'

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WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR.
BLVD, SUITE 375, TAMPA FL, 33607
AARON JOSEPH, PE NO. 80532

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

SHEET DISCIPLINE	DWG NO.	DWG NAME
GENERAL	AG-004	SIGNATURE SHEET (2)
FIRE PROTECTION	AF-001	FIRE PROTECTION GENERAL NOTES
FIRE PROTECTION	AF-101	OVERALL FIRE PROTECTION PLAN AND NARRATIVE
FIRE PROTECTION	AF-501	FIRE PROTECTION DETAILS
PLUMBING	AP-001	PLUMBING LEGEND AND GENERAL NOTES
PLUMBING	AP-100	PLUMBING SITE PLAN
PLUMBING	AP-111	PLUMBING PLAN
PLUMBING	AP-301	PLUMBING SECTIONS
PLUMBING	AP-401	ENLARGED PLUMBING PLANS
PLUMBING	AP-501	PLUMBING DETAILS
PLUMBING	AP-601	PLUMBING EQUIPMENT SCHEDULE
PLUMBING	AP-602	PLUMBING FIXTURE SCHEDULE
PLUMBING	AP-603	PLUMBING FIXTURE SCHEDULE - CONTINUED
PLUMBING	AP-901	PLUMBING - SANITARY WASTE ISOMETRIC
PLUMBING	AP-902	PLUMBING - PARTIAL SANITARY WASTE ISOMETRIC
PLUMBING	AP-903	PLUMBING - DOMESTIC WATER ISOMETRIC
PLUMBING	AP-904	PLUMBING - PARTIAL DOMESTIC WATER ISOMETRIC
MECHANICAL	AM-001	HVAC DESIGN CRITERIA, LEGEND, AND GENERAL NOTES
MECHANICAL	AM-002	HVAC GENERAL NOTES (CONTINUED)
MECHANICAL	AM-003	HVAC BUILDING AIR BALANCE AND VENTILATION TABULATION
MECHANICAL	AM-100	HVAC SITE PLAN
MECHANICAL	AM-101	OVERALL HVAC PLAN
MECHANICAL	AM-111	HVAC PLAN QUAD A
MECHANICAL	AM-112	HVAC PLAN QUAD B
MECHANICAL	AM-113	HVAC PLAN QUAD C
MECHANICAL	AM-114	HVAC PLAN QUAD D
MECHANICAL	AM-401	ENLARGED HVAC PLANS
MECHANICAL	AM-402	ENLARGED HVAC PLANS
MECHANICAL	AM-501	HVAC DETAILS
MECHANICAL	AM-502	HVAC DETAILS
MECHANICAL	AM-503	HVAC DETAILS
MECHANICAL	AM-601	HVAC SCHEDULES
MECHANICAL	AM-602	HVAC SCHEDULES
MECHANICAL	AM-603	HVAC SCHEDULES
MECHANICAL	AM-604	HVAC SCHEDULES
MECHANICAL	AM-605	HVAC SCHEDULES
MECHANICAL	AM-606	HVAC SCHEDULES
MECHANICAL	AM-701	HVAC CONTROLS - CHILLED WATER PLANT SEQUENCES
MECHANICAL	AM-702	HVAC CONTROLS - CHILLED WATER PLANT SCHEMATIC
MECHANICAL	AM-703	HVAC CONTROLS - AIRSIDE SEQUENCES
MECHANICAL	AM-704	HVAC CONTROLS - AIRSIDE FLOW SCHEMATIC
MECHANICAL	AM-705	HVAC CONTROLS - POINT SCHEDULE

No.	Date	Issue / Revision

ERIC LUTTMANN, AIA
AR 97111

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607

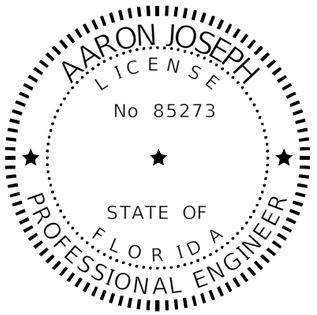
FLORIDA-ALABAMA TPO

ROAD NAME	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

SIGNATURE SHEET (2)

DWG NO. AG-004

SHEET NO.



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Digitally signed by Aaron Joseph
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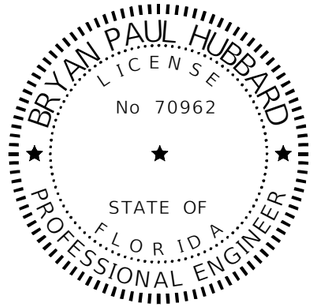
WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD, SUITE 375, TAMPA FL, 33607
AARON JOSEPH, PE NO. 85273

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

SHEET DISCIPLINE	DWG NO.	DWG NAME
GENERAL	AG-005	SIGNATURE SHEET (3)
ELECTRICAL	AE-001	ELECTRICAL LEGEND AND GENERAL NOTES
ELECTRICAL	AE-002	LUMINAIRE SCHEDULE AND CUT SHEETS
ELECTRICAL	AE-003	LUMINAIRE CUT SHEETS
ELECTRICAL	AE-004	LIGHTING CUT SHEETS
ELECTRICAL	AE-005	LUMINAIRE CUT SHEETS
ELECTRICAL	AE-006	ELECTRICAL SITE PLAN
ELECTRICAL	AE-007	LIGHTING SITE PLAN
ELECTRICAL	AE-101	LIGHTING PLAN NORTH
ELECTRICAL	AE-102	LIGHTING PLAN SOUTH
ELECTRICAL	AE-103	LIGHTING CONTROLS PLAN NORTH
ELECTRICAL	AE-104	LIGHTING CONTROLS PLAN SOUTH
ELECTRICAL	AE-201	POWER PLAN NORTH
ELECTRICAL	AE-202	POWER PLAN SOUTH
ELECTRICAL	AE-203	ENLARGED ELECTRICAL ROOM PLANS
ELECTRICAL	AE-204	ENLARGED GENERATOR/CHILLER YARD PLAN
ELECTRICAL	AE-205	MECHANICAL EQUIPMENT CONNECTION PLAN NORTH
ELECTRICAL	AE-206	MECHANICAL EQUIPMENT CONNECTION PLAN SOUTH
ELECTRICAL	AE-207	MECHANICAL EQUIPMENT CONNECTION SCHEDULE
ELECTRICAL	AE-301	FIRE ALARM SYSTEMS PLAN NORTH
ELECTRICAL	AE-302	FIRE ALARM SYSTEMS PLAN SOUTH
ELECTRICAL	AE-401	LIGHTNING PROTECTION PLAN
ELECTRICAL	AE-501	ELECTRICAL RISER DIAGRAM
ELECTRICAL	AE-502	ELECTRICAL PANEL SCHEDULES
ELECTRICAL	AE-503	ELECTRICAL PANEL SCHEDULES
ELECTRICAL	AE-504	ELECTRICAL PANEL SCHEDULES
ELECTRICAL	AE-505	ELECTRICAL PANEL SCHEDULES
ELECTRICAL	AE-601	FIRE ALARM RISER DIAGRAM
ELECTRICAL	AE-701	ELECTRICAL DETAILS
ELECTRICAL	AE-702	ELECTRICAL DETAILS
ELECTRICAL	AE-703	ELECTRICAL DETAILS
ELECTRICAL	AE-704	LIGHTNING PROTECTION DETAILS



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Bryan P Hubbard
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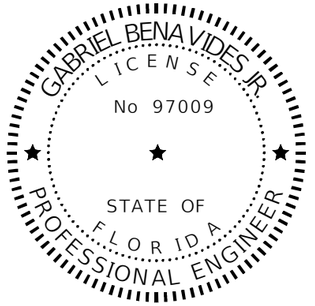
HALFF ASSOCIATES, INC.
2255 KILLEARN CENTER BLVD SUITE 200, TALLAHASSEE, FL 32309
BRYAN PAUL HUBBARD, PE NO. 70962

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

SHEET DISCIPLINE	DWG NO.	DWG NAME
GENERAL	AG-005	SIGNATURE SHEET (3)
INTEGRATED TECHNOLOGY SYSTEMS	ITS100	CONTROL ROOM VIDEO WALL PLAN
INTEGRATED TECHNOLOGY SYSTEMS	ITS101	VIDEO WALL MONITOR LAYOUT
INTEGRATED TECHNOLOGY SYSTEMS	ITS102	VIDEO WALL CONNECTION DIAGRAM
INTEGRATED TECHNOLOGY SYSTEMS	ITS103	SERVER RACK LAYOUT
INTEGRATED TECHNOLOGY SYSTEMS	ITS104	VIDEO WALL CUTSHEETS
INTEGRATED TECHNOLOGY SYSTEMS	ITS105	SPLICING DIAGRAM
INTEGRATED TECHNOLOGY SYSTEMS	ITS106	WARNING SITE PLAN
INTEGRATED TECHNOLOGY SYSTEMS	ITS107	WARNING SITE DETAILS



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Gabriel Benavides Jr. 6/24/2025 10:12 AM -05'00'

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HALFF ASSOCIATES, INC.
5000 W MILITARY HWY #100, MCALLEN, TX 78503
GABRIEL BENAVIDES JR., PE NO. 97009

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

SHEET DISCIPLINE	DWG NO.	DWG NAME
GENERAL	AG-005	SIGNATURE SHEET (3)
TELECOMMUNICATIONS	TN001	TELECOMMUNICATIONS GENERAL NOTES AND LEGENDS
TELECOMMUNICATIONS	TN100	TELECOMMUNICATIONS SITE PLAN
TELECOMMUNICATIONS	TN101	TELECOMMUNICATIONS OVERALL FLOOR PLAN
TELECOMMUNICATIONS	TN102	TELECOMMUNICATIONS FLOOR PLAN NORTH
TELECOMMUNICATIONS	TN103	TELECOMMUNICATIONS FLOOR PLAN SOUTH
TELECOMMUNICATIONS	TN201	TELECOMMUNICATIONS ENLARGED PLANS
TELECOMMUNICATIONS	TN401	TELECOMMUNICATIONS SCHEDULES
TELECOMMUNICATIONS	TN501	TELECOMMUNICATIONS DETAILS I
TELECOMMUNICATIONS	TN502	TELECOMMUNICATIONS DETAILS II
SECURITY	TY001	SECURITY GENERAL NOTES AND LEGENDS
SECURITY	TY100	SECURITY SITE PLAN
SECURITY	TY101	SECURITY OVERALL FLOOR PLAN
SECURITY	TY102	SECURITY FLOOR PLAN NORTH
SECURITY	TY103	SECURITY FLOOR PLAN SOUTH
SECURITY	TY201	TELECOMMUNICATIONS ENLARGED PLANS
SECURITY	TY401	SECURITY SCHEDULES
SECURITY	TY501	SECURITY DETAILS I
SECURITY	TY502	SECURITY DETAILS II

No.	Date	Issue / Revision

ERIC LUTTMANN, AIA
AR 97111

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

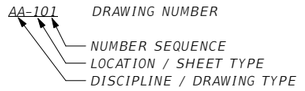
SIGNATURE SHEET (3)

DWG NO. AG-005

SHEET NO.

SYMBOLS LEGEND

SYMBOLS LEGEND INTENDED FOR ILLUSTRATIVE PURPOSES ONLY, SEE SHEETS FOR SPECIFIC SYMBOLS, TYP.



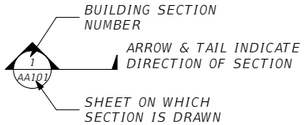
DRAWING NUMBER

NORTH ARROW

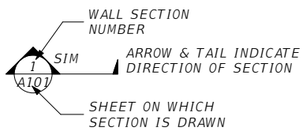
STRUCTURAL GRIDS

EXTERIOR ELEVATION REFERENCE

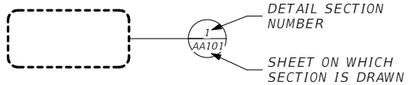
INTERIOR ELEVATION REFERENCE



BUILDING SECTION REFERENCE



WALL SECTION / DETAIL REFERENCE



DETAIL CALLOUT REFERENCE

ROOM TAG

WALL TAG

DOOR TAG

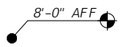
WINDOW TAG

REVISION TAG

NOTE TAG

EQUIPMENT TAG

CENTERLINE



SPOT ELEVATION

LEVEL HEAD

ALIGN

GRAPHIC SCALE

FLOOR DRAIN

CONTROL JOINT

WALL ASSEMBLY NOTES

1. ALL FIRE RATED WALLS AND REQUIRED FIRESTOPPING SHALL BE IN STRICT ACCORDANCE WITH A UL SYSTEM AND DESIGN NUMBER AS BASIS OF DESIGN.

2. ALL PENETRATIONS THROUGH FIRE RATED PARTITIONS & SMOKE PARTITIONS SHALL BE SEALED AND PROTECTED IN ACCORDANCE WITH UL LISTED DETAILS & REQUIREMENTS AS BASIS OF DESIGN SHALL BE PROVIDED IN STRICT ACCORDANCE WITH A CERTIFIED AND TESTED ASSSEMBLY THAT HAS BEEN TESTED BY AN AGENCY ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION. ALL PENETRATIONS IN RATED & SMOKESTOP WALLS ARE TO BE COMPLETELY SEALED TO MAINTAIN A RATED BARRIER FROM FLOOR TO STRUCTURE ABOVE, AS INDICATED BY THE WALL TYPES & FLOOR PLANS.

3. PROVIDE CONTINUOUS SEALANT AT TOP, SIDES, AND EDGES ON BOTH SIDES OF WALL AT ALL NON-RATED GYPSUM BOARD PARTITIONS.

4. ALL WALL PENETRATIONS SHALL BE SLEEVED AND PACKED AIRTIGHT WITH FIRE SAFING MATERIAL AND SEALANT.

5. ALL JOINTS SHALL BE STAGGERED, TAPED AND SEALED AT ALL LAYERED GYPSUM BOARD INSTALLATIONS.

6. PROVIDE A MINIMUM OF TWO-STUD SEPARATION BETWEEN OUTLET BOXES AND OTHER PENETRATIONS OCCURRING AT OPPOSITE SIDES OF WALLS.

7. PROVIDE CEMENTITIOUS BACKER WALL BOARD AT ALL WET AREAS SUCH AS TOILETS AND JANITOR CLOSETS.

8. PROVIDE WALL REINFORCEMENT BETWEEN STUDS WHERE REQUIRED BY INSTALLATION OF MILLWORK AND/OR WALL HUNG EQUIPMENT AND FIXTURES.

9. PROVIDE BACKING FOR ITEMS SUCH AS TOILET ACCESSORIES, TOILET PARTITIONS, DOOR STOPS, DOOR BUMPERS, WALL RAILS, HAND RAILS, ETC.

10. PROVIDE 18 GA. OR HEAVIER METAL STUDS AT ALL OUTSIDE CORNERS OF CORRIDOR WALLS.

11. FOR EXTERIOR WALL DETAILS SEE WALL SECTIONS AND ASSOCIATED DETAILS.

12. SEE WALL SECTIONS, ELEVATIONS AND DETAILS, FOR ADDITIONAL INFORMATION REGARDING INTERIOR PARTITIONS.

13. PROVIDE ABUSE RESISTANT GWB AT INTERIOR CORRIDORS.

14. GYPSUM WALL BOARD USED ABOVE CEILING IS NOT REQUIRED TO BE VHI OR ABUSE RESISTANT, BUT MUST COMPLY WITH APPROPRIATE FIRE RATING(S) AS REQUIRED.

15. 20 GA. STUDS (MIN.) TO BE USED AT ALL AREAS WHERE ABUSE RESISTANT GYPSUM WALL CONSTRUCTION IS REQUIRED.

16. PROVIDE INDEPENDENT METAL STUD FRAMING (CONNECTION AT HEAD AND BASE) AT FULL HEIGHT, INSULATED WALLS TO ISOLATE BETWEEN.

17. PROVIDE BRIDGING/BRACING SPACE @ 24" O.C. MINIMUM AT ALL METAL FRAMED WALLS.

18. COPE ALL PARTITIONS EXTENDING TO STRUCTURE ABOVE NEATLY AROUND ALL PENETRATIONS, DUCTS, PIPES, BEAMS, JOISTS, ETC, AND SEAL TIGHT AS NOTED.

19. SEE STRUCTURAL DWGS FOR WALL REINFORCEMENT.

20. WHERE WALL TYPE ABUTS ANOTHER WALL AS A CHASE, FACE ONLY THE FINISH SIDE.

21. REFER TO THE FINISH SCHEDULE FOR ADDITIONAL INFORMATION.

22. REFER TO THE OTHER DISCIPLINES FOR ADDITIONAL INFORMATION.

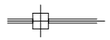
DIMENSIONING CONVENTIONS

ALIGN NEW PARTITION TO EXIST (VERIFY EXISTING PARTITION CONSTRUCITON MATCHES NEW PARTITION CONSTRUCTION)

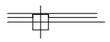
TO/FROM THE CENTER LINE OF NEW PARTITION

TO/FROM THE FINISHED FACE OF NEW PARTITION

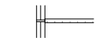
TO/FROM COLUMN CENTER LINES



ALIGN ℄OF NEW PARTITION WITH ℄ OF COLUMN



ALIGN NEW PARTITION TO FINISH GWB FLUSH BOTH SIDES OF COLUMN



ALIGN ℄OF NEW PARTITION TO ℄ OF WINDOW MULLION

WALL ASSEMBLY TYPES

◇# = WALL ASSEMBLY TYPE (REFER TO PLANS FOR IDENTIFICATION)

◇W2 1" RIGID INSULATION INSTALLED CONTINUOUS ON CONCRETE TILT PANELS, EXTENDED TO DECK. 1 1/2" 20 GA MTL STUD FRAMING SHEATHED ONE LAYER OF 5/8" GWB, STAGGERED 24". PROVIDE 5/8" CEMENT BOARD AT CONDITIONS TO RECEIVE TILE FINISH. WET AREAS NOT INTENDED FOR TILE SHALL RECEIVE 5/8" MOISTURE RESISTANT GWB. EXTEND SYSTEM TO HARDCEILING CONDITIONS, 4" ABOVE FINISHED CEILING AT ACT CONDITIONS, AND EXTEND SYSTEM TO DECK AT CONDITIONS EXPOSED TO STRUCTURE. APPLICABLE AT ALL EXTERIOR WALL CONDITIONS, TYP.

◇W4 3 5/8" 20 GA MTL STUD FRAMING SHEATHED ONE LAYER OF 5/8" GWB EACH SIDE, STAGGERED 24". EXTEND SYSTEM TO DECK. PROVIDE 5/8" CEMENT BOARD AT CONDITIONS TO RECEIVE TILE FINISH. WET AREAS NOT INTENDED FOR TILE SHALL RECEIVE 5/8" MOISTURE RESISTANT GWB. EXTEND SYSTEM TO HARD CEILING CONDITIONS AND 4" ABOVE FINISHED CEILING AT ACT CONDITIONS. EXTEND SYSTEM TO DECK AT ONLY NOTED AND DEPICTED LOCATIONS SHOWN.

◇W6 UL U419 INTERIOR PARTITION WALL, NON-LOAD BEARING, 1HR FIRE RATING 6" 20 GA MTL STUD FRAMING, SHEATHED 1 LAYER 5/8" TYPE X EACH SIDE, PANEL JOINTS STAGGERED 24" O.C. EXTEND TO DECK, FILL COMPLETELY WITH FRICTION FIT 6" ACOUSTIC FIBERGLASS BATT INSULATION.

◇W6.1 6" 20 GA MTL STUD FRAMING, SHEATHED 1 LAYER 5/8" GWB EACH SIDE, PANEL JOINTS STAGGERED 24" O.C. EXTEND TO DECK. PROVIDE 5/8" CEMENT BOARD AT CONDITIONS TO RECEIVE TILE FINISH. WET AREAS NOT INTENDED FOR TILE SHALL RECEIVE 5/8" MOISTURE RESISTANT GWB. EXTEND SYSTEM TO HARD CEILING CONDITIONS AND 4" ABOVE FINISHED CEILING AT ACT CONDITIONS. EXTEND SYSTEM TO DECK AT ONLY NOTED AND DEPICTED LOCATIONS SHOWN.

◇W8 UL U419 INTERIOR PARTITION WALL, NON-LOAD BEARING, 1HR FIRE RATING 8" 20 GA MTL STUD FRAMING, SHEATHED 1 LAYER 5/8" TYPE X EACH SIDE, PANEL JOINTS STAGGERED 24" O.C. EXTEND TO DECK AND FILL COMPLETELY WITH FRICTION FIT 8" ACOUSTIC FIBERGLASS BATT INSULATION.

◇W8.1 8" 20 GA MTL STUD FRAMING, SHEATHED 1 LAYER 5/8" GWB EACH SIDE, PANEL JOINTS STAGGERED 24" O.C. EXTEND TO DECK; EXTEND SYSTEM TO HARD CEILING CONDITIONS, 4" ABOVE FINISHED CEILING AT ACT CONDITIONS, AND EXTEND SYSTEM TO DECK.

* PROVIDE FIBERGLASS BATT INSULATION 4" ABOVE CEILING AT ALL OFFICE PARTITION WALLS, TYP.

** BRACE STUD WALL AS REQUIRED, AND CONCEAL ALL BRACING BEHIND WALL SYSTEMS TO DECK, REFER TO ENLARGED PLANS FOR MORE INFORMATION, TYP.

TYPICAL MATERIALS LEGEND

CMU WALL, THICKNESS VARIES

CMU WALL (RATED)

BRICK VENEER

STUD WALL, THICKNESS VARIES

STUD WALL (RATED)

RIGID INSULATION

INSULATION (BATT, BLANKET, OR FILL)

WOOD (FINISHED)

PLYWOOD (SMALL SECTION)

PLYWOOD (LARGE SECTION)

STEEL (LARGE SECTION)

ROUGH LUMBER (CONTINUOUS)

ROUGH LUMBER (INTERMITTENT)

CONCRETE (DENSITY VARIES BY SPECIFIC MATERIAL)

COMPACTED FILL OR EARTH

FINISHED GRADE

GENERAL NOTES

1. ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF THE CODES AS LISTED IN THIS DRAWING SET.

2. IN SOME CASES, THE REQUIREMENTS SET FORTH IN THE CONSTRUCTION DRAWINGS AND TECHNICAL SPECIAL PROVISIONS EXCEED THE MINIMUM REQUIREMENTS OF THE CODE.

3. COORDINATE THE SEQUENCING AND EXECUTION OF ALL TRADES IN STRICT CONFORMANCE WITH THE REQUIREMENTS OF ALL CONSTRUCTION DRAWINGS AND CONTRACT DOCUMENTS.

4. PROTECT THE PUBLIC FROM CONSTRUCTION ACTIVITIES AND PROVIDE FOR A SECURE CONSTRUCTION SITE.

5. PERFORM ALL WORK WITH STRICT ADHERENCE TO MANUFACTURERS' STANDARD INSTALLATION INSTRUCTIONS, AS WELL AS PER ANY AND ALL APPLICABLE NOA OR FLORIDA PRODUCT APPROVAL.

6. ASSURE MATERIALS AND SYSTEMS COMPATIBILITY THROUGHOUT, TYPICAL.

7. PROVIDE MEANS AND METHODS TO ELIMINATE CONTACT BETWEEN DISSIMILAR METALS CAUSING GALVANIC CORROSION, TYPICAL.

8. ALL 3D IMAGES ARE SHOWN FOR ILLUSTRATIVE PURPOSES ONLY. THEY ARE NOT INTENDED FOR USE IN CONSTRUCTION AND DETAILING OF THE PROJECT.

9. THE SCALE OF THESE PLANS MAY HAVE CHANGED DUE TO REPRODUCTION.

10. REFER TO SPECIFICATIONS PACKAGE FOR FEDERAL AND BUILD AMERICA, BUY AMERICA ACT (BABA) REQUIREMENTS.

CONTRACTOR ENVIRONMENTAL COMMITMENT

THE DEPARTMENT HAS DETERMINED THE FOLLOWING SPECIES HABITAT EXISTS IN THE PROJECT LIMITS AND REQUIRES THE FOLLOWING ENVIRONMENTAL COMMITMENTS:

1. EASTERN INDIGO SNAKE (DRYMARCHON CORAISCOUPERI): THE MOST RECENT VERSION OF THE U.S. FISH AND WILDLIFE SERVICE STANDARD PROTECTION MEASURES FOR THE EASTERN INDIGO SNAKE SHALL BE IMPLEMENTED DURING CONSTRUCTION.

2. FLORIDA BLACK BEAR (URSUS AMERICANUS FLORIDANUS): THEREFORE, CONSISTENT WITH THE FWC BLACK BEAR MANAGEMENT PLAN, GARBAGE AND FOOD DEBRIS MUST BE PROPERLY REMOVED FROM THE CONSTRUCTION SITE DAILY TO ELIMINATE POSSIBLE SOURCES OF FOOD THAT COULD ENCOURAGE AND ATTRACT BEARS. NUISANCE BLACK BEARS ARE TO BE REPORTED TO THE FWC AT THE WILDLIFE ALERT HOTLINE AT 1-888-404-3922.

3. TRICOLORED BAT (PERIMYOTIS SUBFLAVUS) :IF THE TRICOLORED BAT IS LISTED BY USFWS AS THREATENED OR ENDANGERED AND THE PROJECT MAY AFFECT THE SPECIES, FDOT COMMITS TO RE-INITIATING CONSULTATION WITH USFWS TO DETERMINE APPROPRIATE AVOIDANCE AND MINIMIZATION MEASURES FOR PROTECTION OF THE NEWLY LISTED SPECIES.

PRODUCT APPROVAL SCHEDULE

STATEMENT:
COMPLY WITH PRODUCT APPROVAL RULE 9N-3 2010/2011. FOR EACH PRODUCT INSTALLED WITHIN THE BUILDING ENVELOPE, THE APPLICABLE PRODUCT APPROVAL INFORMATION SHALL BE PROVIDED THROUGH THE SUBMITTAL PROCESS AS SPECIFIED. ALL PRODUCTS INSTALLED SHALL CONFORM TO THE 2023, 8TH EDITION OF THE FLORIDA BUILDING CODE AND MEET OR EXCEED THE CALCULATED DESIGN LOADS FOR COMPONENTS AND CLADDING AS SPECIFIED BY THE STRUCTURAL ENGINEER. SUBSTITUTIONS FOR THE LIST OF BUILDING COMPONENTS BELOW WILL ONLY BE CONSIDERED DURING THE BIDDING PROCESS AS PROVIDED WITH SPECIFIC PRODUCT APPROVAL NUMBERS AND CORRESPONDING DATA. PROVIDE UPDATED PRODUCT APPROVALS FOR ANY THAT MAY EXPIRE AFTER THE BUILDING PERMIT HAS BEEN ISSUED.

PRODUCT	MANUFACTURER	DESCRIPTION	FLORIDA PRODUCT #	NOA #	EXPIRATION
ROOFING	BERRIDGE MANUFACTURING COMPANY	DOUBLE-LOCK ZEE-LOCK PANEL	FL19999.1	N/A	12/31/27
INSULATION	HUNTER PANELS	H-SHIELD NB	N/A	#24-0422.04	01/14/30
STOREFRONT	YKK AP AMERICA, INC.	YHS 50 TU	FL14218.1	N/A	12/31/26
EXTERIOR DOORS	YKK AP AMERICA, INC.	SERIES 35H ALUMINUM OUTSWING DOOR	FL16554.1	N/A	12/31/26
	STEELCRAFT	SINGLE FLUSH OUTSWINGING STEEL DOORS	N/A	#23-0821.18	05/05/28
	STEELCRAFT	DOUBLE FLUSH OUTSWINGING STEEL DOORS	N/A	#23-0913.07	05/13/29
FIXED LOUVERS	GREENHECK	EVH-901D	N/A	#23-1030.03	07/28/26
METAL PANELS	BERRIDGE MANUFACTURING COMPANY	HS-8 METAL PANEL SYSTEM	FL14669.2 R5	N/A	12/31/27

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GENERAL DISCLAIMER: TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARD AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH FBC 110.8.4.4 AND CHAPTER 63, FLORIDA STATUTES.

No.	Date	Issue / Revision

ERIC LUTTMANN, AIA
AR 97111

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607

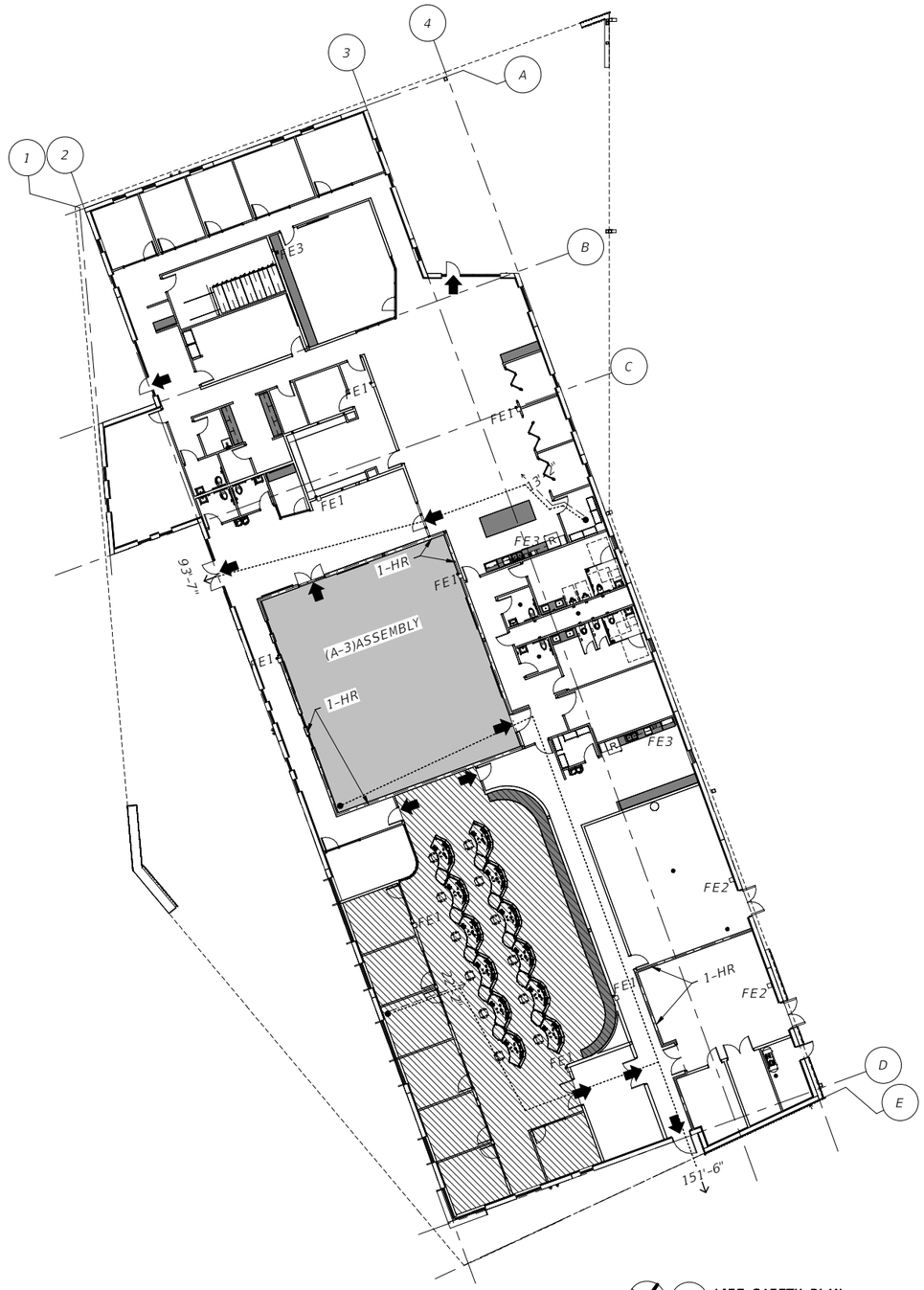
FLORIDA-ALABAMA TPO

ROAD NAME	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

NOTES & LEGENDS

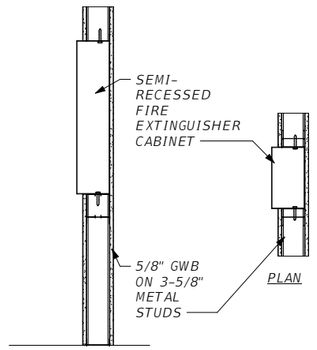
DWG NO. AG-006

SHEET NO.



1 LIFE SAFETY PLAN

0' 8' 16' 32'



2 SEMI RECESSED FEC DETAIL

0' 6" 1' 2'

GENERAL CODE DESIGN CRITERIA

MIXED USE OCCUPANCY
PRIMARY OCCUPANCY (FBC 302): BUSINESS, B
SECONDARY OCCUPANCIES (FBC 302): ASSSEMBLY, A-3

CONSTRUCTION TYPE (FBC 601): **TYPE II-B, SPRINKLED**

ALLOWABLE BUILDING AREA FOR B (FBC 506) = 92,000 GSF
ACTUAL BUILDING AREA FOR B (FBC 506) = 17,740 GSF
ALLOWABLE BUILDING AREA FOR A-3 (FBC 506) = 38,000 GSF
ACTUAL BUILDING AREA FOR A-3 (FBC 506) = 2,200 GSF
ACTUAL GROSS AREA = 19,940 GSF

ALLOWABLE BUILDING HEIGHT FOR B (FBC 504) = 75'-0"
ALLOWABLE BUILDING HEIGHT FOR A-3 (FBC 504) = 75'-0"
ACTUAL MAX BUILDING HEIGHT = 32'-0"

FIRE RESISTANCE RATINGS (FBC TABLE 601)

STRUCTURAL FRAME	=	0 HOUR
BEARING EXTERIOR WALLS	=	0 HOUR
BEARING INTERIOR WALLS	=	0 HOUR
NON-BEARING WALLS	=	0 HOUR
FLOOR CONSTRUCTION	=	0 HOUR
ROOF CONSTRUCTION	=	0 HOUR

MAX TRAVEL DISTANCE FOR B (FBC 1017.2) = 300'-0"
ACTUAL TRAVEL DISTANCE FOR B (FBC 1017.2) = 180'-7"
MAX COMMON PATH OF TRAVEL FOR B (FBC 1006.2.1) = 151'-6"
ACTUAL COMMON PATH OF TRAVEL FOR B (FBC 1006.2.1) = 22'-2"

MAX TRAVEL DISTANCE FOR A-3 (FBC 1017.2) = 250'-0"
ACTUAL TRAVEL DISTANCE FOR A-3 (FBC 1017.2) = 151'-6"
MAX COMMON PATH OF TRAVEL FOR A-3 (FBC 1006.2.1) = 75'-0"
ACTUAL COMMON PATH OF TRAVEL FOR A-3 (FBC 1006.2.1) = N/A

OCCUPANT LOAD FOR B (FBC 1004.5) = 150 GSF / PERSON
17,740 GSF / 150 GSF = 119 PERSONS
OCCUPANT LOAD FOR A-3 (FBC 1004.5) = 15 NSF / PERSON
2,100 NSF / 15 NSF = 140 PERSONS

REQUIRED EGRESS WIDTH (FBC 1005.3.2)
TYPE B: 119 PERSONS X 0.2" = 23.8" REQUIRED
TYPE A-3 = 140 PERSONS X 0.2" = 28" REQUIRED

32" MIN PROVIDED THROUGHOUT

PORTABLE FIRE EXTINGUISHERS
CLASS "A" FIRE HAZARD (TYPE 2A EXTINGUISHERS REQ'D)
MAX FLOOR AREA PER EXTINGUISHER = 3,000 SF
19,940 / 3,000 = 6.64 (7 TOTAL EXTINGUISHERS REQ'D)
TOTAL PROVIDED (12)

CODE COMPLIANCE

ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE FOLLOWING CODES:

- FLORIDA BUILDING CODE 8TH EDITION, 2023 - INCLUDING CHAPTER 35 REFERENCED STANDARDS
- FLORIDA BUILDING CODE 8TH EDITION, 2023 - ENERGY CONSERVATION
- FLORIDA BUILDING CODE 8TH EDITION, 2023 - ACCESSIBILITY
- FLORIDA BUILDING CODE 8TH EDITION, 2023 - MECHANICAL
- FLORIDA BUILDING CODE 8TH EDITION, 2023 - PLUMBING

FLORIDA FIRE PREVENTION CODE - 8TH EDITION (2023). INCLUDING FLORIDA SPECIFIC AMENDMENTS TO NFPA 1 AND NFPA 101. AND HAVE ANY LOCAL AMENDMENTS AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION.

LIFE SAFETY GENERAL NOTES

A. ALL PORTIONS OF THE BUILDING, EXCLUDING SOME INTERIOR SUPPORT SPACES ARE INTENDED TO BE ACCESSIBLE TO THE DISABLED PERSONS AS PER ADA REQUIREMENTS.

B. OVERALL BUILDING GSF = 19,940 GSF

C. MAX TRAVEL DISTANCE TO PORTABLE FIRE EXTINGUISHERS EQUALS 75'-0" FOR CLASS "A" FIRE HAZARD AND 50'-0" FOR CLASS "B" FIRE HAZARD PER FBC SECTION 906.3. PORTABLE FIRE EXTINGUISHERS ARE TO BE PROVIDED OF TYPE AND SPACING LOCATION PER THE REQUIREMENTS OF THE FLORIDA FIRE PREVENTION CODE.

D. SEE DOOR SCHEDULE FOR FIRE RATED DOORS AND EGRESS HARDWARE REQUIREMENTS.

E. DOORS WITHIN A WALL DESIGNATED AS A FIRE RATED ASSEMBLY SHALL BE FIRE RATED ACCORDINGLY.

F. THIS FACILITY IS NOT DESIGNATED TO BE AN EMERGENCY PUBLIC SHELTER.

G. FOR FIRE ALARM AND EMERGENCY LIGHTING, SEE ELECTRICAL PLANS.

H. REFER TO ELECTRICAL & MECHANICAL PLANS FOR ADDITIONAL INFORMATION.

I. THIS FACILITY IS DESIGNED AS AN ESSENTIAL FACILITY RISK CATEGORY IV.

LIFE SAFETY LEGEND

- BUSINESS OCCUPANCY 17,740 GSF
- ASSEMBLY OCCUPANCY 2,200 GSF
- MAX OCCUPANCY = 49 (SIGNAGE REQUIRED)
- 1-HR FIRE WALL
- FE1 FIRE EXTINGUISHER CABINET (RECESSED), SEE SEMI-RECESSED DETAIL AT 3 5/8" STUD LOCATIONS
- FE2 FIRE EXTINGUISHER (WALL HUNG)
- FE3 FIRE EXTINGUISHER (INSIDE CASEWORK)
- PRIMARY EXIT (EXIT SIGNAGE PROVIDED AT THIS DOOR LOCATION)
- EGRESS TRAVEL PATH 0'-0"
- COMMON TRAVEL PATH 0'-0"

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No.	Date	Issue / Revision

ERIC LUTTMANN, AIA
AR 97111

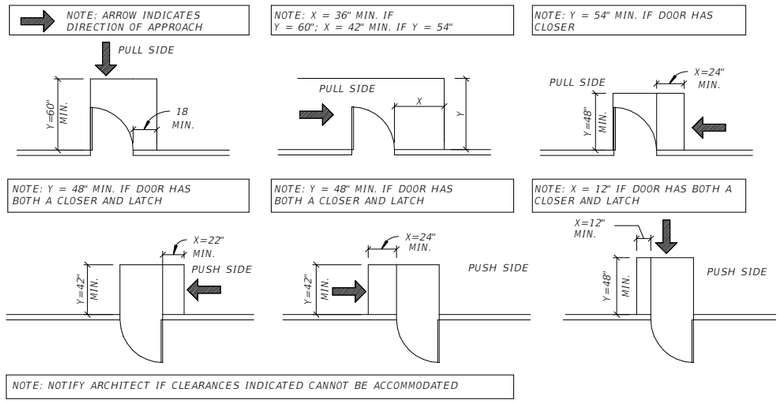
WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607

FLORIDA-ALABAMA TPO

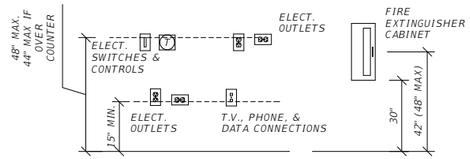
ROAD NAME	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

LIFE SAFETY PLAN & CODE CRITERIA

DWG NO. AG-007
SHEET NO.



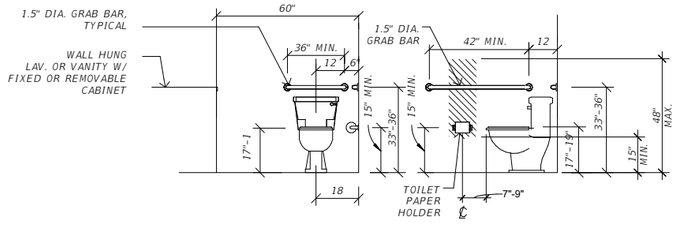
ADA DOOR CLEARANCES



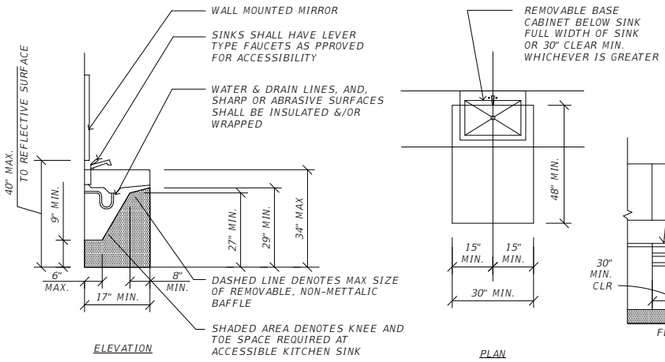
SWITCHES/CONTROL/OUTLETS GUIDELINES

THE OPERABLE PORTION OF SWITCHES OR CONTROLS ON WALLS SHALL BE LOCATED A MAXIMUM OF 48" A.F.F. A MAXIMUM OF 44" A.F.F. IS REQUIRED OVER A 24" DEEP COUNTER SURFACE. ELECTRIC OUTLETS SHALL BE LOCATED A MINIMUM OF 15" A.F.F. TO THE BOTTOM OF THE LOWEST RECEPTACLE AND A MAXIMUM OF 48" A.F.F. TO THE TOP OF THE HIGHEST RECEPTACLE.

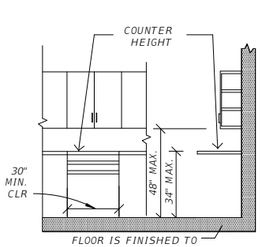
ADA MOUNTING HEIGHTS



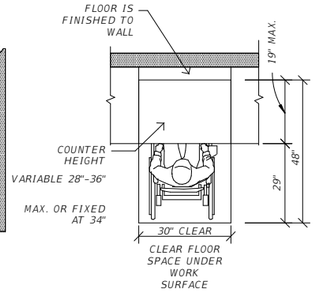
ADA WATER CLOSET REQUIREMENTS

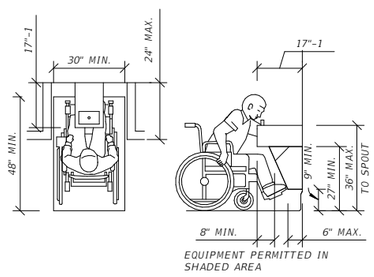


ADA LAVATORY/SINK CLEARANCE

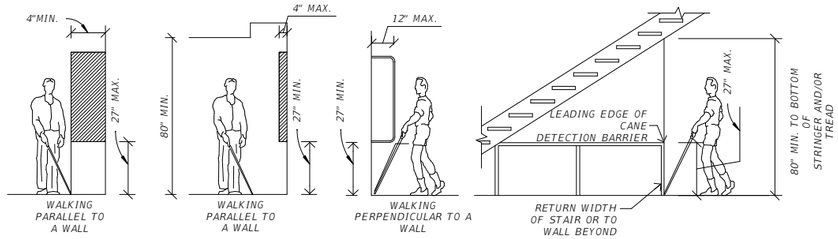


ADA COUNTER REQUIREMENTS

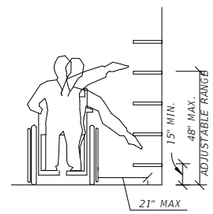


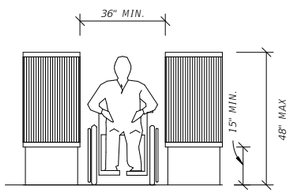


ADA WATER FOUNTAIN REQUIREMENTS

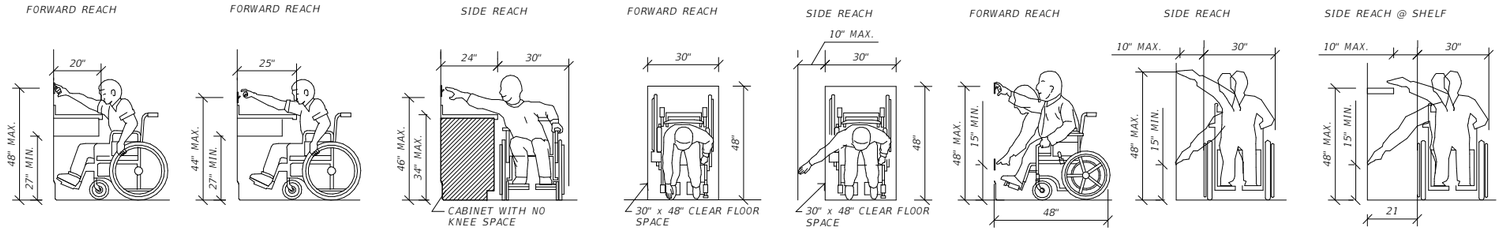


ADA PROJECTING OBJECT GUIDELINES

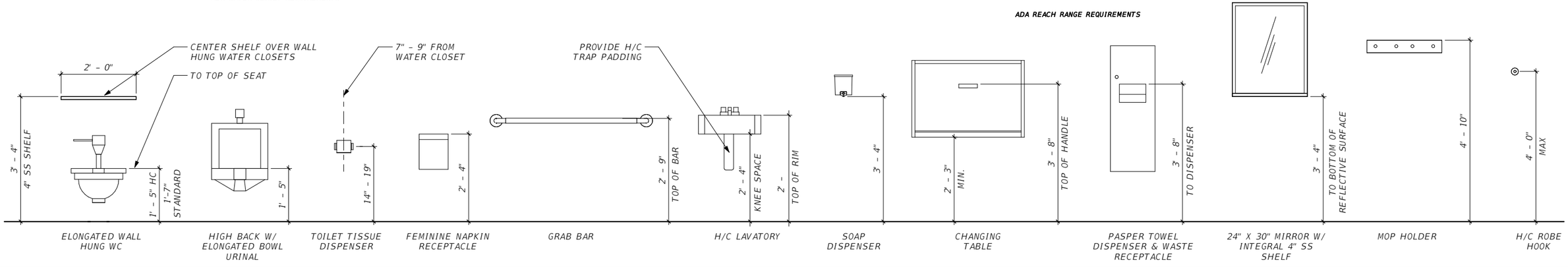




ADA STORAGE SHELF REQUIREMENTS



ADA REACH RANGE REQUIREMENTS



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No.	Date	Issue / Revision

ERIC LUTTMANN, AIA
AR 97111

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607

FLORIDA-ALABAMA TPO

ROAD NAME	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

ACCESSIBILITY DETAILS

DWG NO. AG-008

SHEET NO.

DATE OF SURVEY: NOVEMBER 2023

SURVEY MADE BY: ENVIRONMENTAL AND GEOTECHNICAL SPECIALISTS, INC.

SUBMITTED BY: KEVIN T. SWEENEY, P.E.

REPORT OF TESTS
ESCAMBIA-SANTA ROSA RTMC AND ECRC OFFICE FACILITY

LOCATION: PENSACOLA

COUNTY: ESCAMBIA

	ORGANIC CONTENT			SIEVE ANALYSIS RESULTS PERCENT PASS (%)						ATTERBERG LIMITS (%)						CORROSION TEST RESULTS				
STRATUM NO.	NO. OF TESTS	% ORGANIC	MOISTURE CONTENT	NO. OF TESTS	10 MESH	40 MESH	60 MESH	100 MESH	200 MESH	NO. OF TESTS	LIQUID LIMIT	PLASTIC INDEX	AASHTO GROUP	DESCRIPTION		NO. OF TESTS	RESISTIVITY ohm-cm	CHLORIDES ppm	SULFATES ppm	pH
1	--	--	--	25	98-100	51-92	19-67	11-37	6-18	--	--	--	A-1-b, A-3, A-2-4	ORANGE, GRAY, BROWN	MEDIUM TO SILTY FINE SAND (<20% PASSING -200 SIEVE)	--	--	--	--	--
2	2	2.0-2.8	11	33	97-100	60-99	44-90	29-57	20-34	1	21	8	A-2-4	BROWN, ORANGE, GRAY	SILTY FINE SAND (≥20% PASSING -200 SIEVE)	1	59,000	5	<1	5.3
3	1	1.9	13	24	98-100	84-92	59-76	39-53	25-45	18	19-42	11-28	A-2-6, A-2-7, A-6	ORANGE AND GRAY, BROWN	CLAYEY FINE SAND TO PLASTIC CLAYEY FINE SAND	1	110,000	15	18	5.1
4	1	14.2	31	--	--	--	--	--	--	--	--	--	A-2-4	DARK GRAY	ORGANIC SILTY FINE SAND	--	--	--	--	--

STRATA NOTES

1. STRATA BOUNDARIES ARE APPROXIMATE AND REPRESENT SOIL STRATA AT EACH BORING ONLY. ANY SUBSOIL CONNECTING LINES SHOWN ARE FOR ESTIMATING ONLY AND DO NOT INDICATE ACTUAL STRATUM LIMITS. SUBSURFACE VARIATIONS BETWEEN BORINGS SHOULD BE ANTICIPATED.
2. STRATA DESCRIPTIONS ARE BASED ON FDOT STANDARD PLANS INDEX 120-001.
3. REMOVAL OF MATERIAL ENCOUNTERED SHOULD BE ACCOMPLISHED IN ACCORDANCE WITH STANDARD PLAN 120-002, UNLESS OTHERWISE SHOWN ON THE PLANS.
4. STRATA 1 AND 2 REPRESENT "SELECT" MATERIALS. DUE TO THE FINES CONTENT, STRATUM 2 WILL RETAIN MOISTURE AND MAY BE DIFFICULT TO COMPACT WHEN WET.
5. STRATUM 3 REPRESENTS A "PLASTIC" MATERIAL.
6. STRATUM 4 REPRESENTS AN "ORGANIC" MATERIAL WITH AN AVERAGE ORGANIC CONTENT BETWEEN 5% AND 20%.

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No.	Date	Issue / Revision

Environmental & Geotechnical Specialists, Inc.
EGS 3676 HARTSFIELD ROAD TALLAHASSEE, FLORIDA 32303 OFFICE (850) 386-1253

KEVIN T. SWEENEY, P.E.
FL P.E. NO.: 89538

ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS, INC.
3676 HARTSFIELD ROAD
TALLAHASSEE, FL 32303
CERTIFICATE OF AUTHORIZATION: 6222

FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

REPORT OF TESTS

DWG NO. AB-000

SHEET NO.

NOTES

1. NUMBERS LEFT OF BORING INDICATE STANDARD PENETRATION TEST (SPT) N-VALUES FOR 12 INCH PENETRATION (UNLESS OTHERWISE NOTED).
2. N-VALUES DENOTED WITH AN ASTERISK (*) WERE DERIVED FROM STATIC HAND CONE PENTROMETER TESTS.
3. NUMBERS IN CENTER OF BORING INDICATE STRATUM NUMBER. SEE REPORT OF TESTS SHEET FOR STRATA PROPERTIES.
4. GNA INDICATES "GROUNDWATER NOT APPARENT" DUE TO THE INTRODUCTION OF DRILLING FLUID INTO THE BOREHOLE.
5. MEASURED GROUNDWATER LEVEL SHOWN IS THE WATER LEVEL ENCOUNTERED DURING THE SUBSURFACE INVESTIGATION. GROUNDWATER LEVEL FLUCTUATIONS SHOULD BE ANTICIPATED.
6. ELEVATIONS NOT AVAILABLE AT TIME OF SUBMITTAL.
7. SOIL DESCRIPTIONS, TEST DATA, AND STANDARD PENETRATION VALUES SHOWN ARE FOR THE SOIL BORING ONLY AND MAY NOT APPLY TO ANY OTHER LOCATIONS EXCEPT AT THE LOCATIONS OF THE SOIL BORING. EXTRAPOLATION OF THE SOIL DATA TO OTHER LOCATIONS IS THE SOLE RESPONSIBILITY OF THE PERSON PERFORMING THE EXTRAPOLATION.

AUTOMATIC HAMMER

GRANULAR MATERIALS RELATIVE DENSITY	SPT (BLOWS/12 IN.)	SILTS AND CLAYS CONSISTENCY	SPT (BLOWS/12 IN.)
VERY LOOSE	LESS THAN 3	VERY SOFT	LESS THAN 1
LOOSE	3 - 8	SOFT	1 - 3
MEDIUM DENSE	8 - 24	FIRM	3 - 6
DENSE	24 - 40	STIFF	6 - 12
VERY DENSE	GREATER THAN 40	VERY STIFF	12 - 24
		HARD	GREATER THAN 24

SPLIT-SPOON:
INSIDE DIAMETER: 1.375 in.
OUTSIDE DIAMETER: 2.0 in.
AVG. HAMMER DROP: 30.0 in.
HAMMER WEIGHT: 140 lbs.

LEGEND

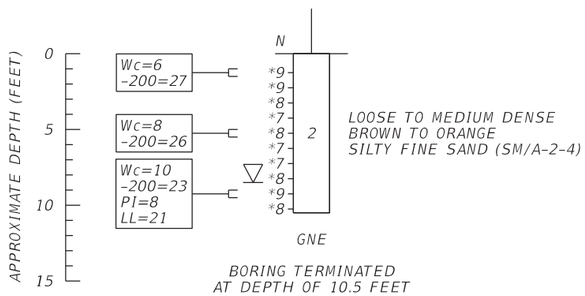
LABORATORY TESTING RESULTS	
ESTIMATED "NORMAL" SEASONAL HIGH GROUNDWATER	
GROUNDWATER NOT ENCOUNTERED	GNE
GROUNDWATER NOT APPARENT (NOTE 3)	GNA
N-VALUE EQUIVALENT (NOTE 2)	*N
WATER CONTENT (%)	Wc=
-200 SIEVE	-200=
LIQUID LIMIT	LL=
PLASTICITY INDEX	PI=
ORGANIC CONTENT	OC%=
UNIFIED/AASHTO SOIL CLASSIFICATION GROUP SYMBOLS	(SM/A-2-4)

ENVIRONMENTAL CLASSIFICATION

EXTREMELY AGGRESSIVE FOR STEEL (SOIL - pH 5.1)
MODERATELY AGGRESSIVE FOR CONCRETE

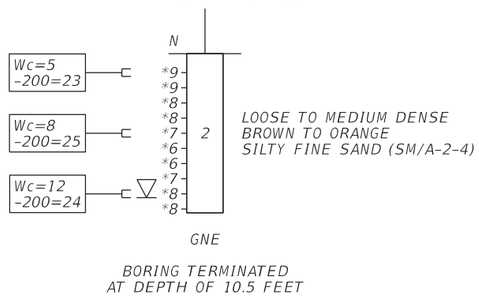
PARKING LOT

BOR # PL-1
STA. 30° 29.074'
OFF. 87° 15.729'
DATE 10/5/2023
DRILLER C. WEST
HAMMER CPI
RIG HAND AUGER



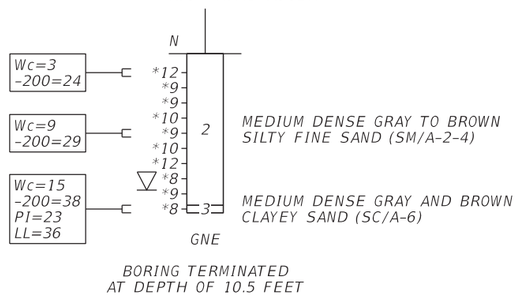
BORING TERMINATED AT DEPTH OF 10.5 FEET

BOR # PL-2
STA. 30° 29.088'
OFF. 87° 15.718'
DATE 10/5/2023
DRILLER C. WEST
HAMMER CPI
RIG HAND AUGER



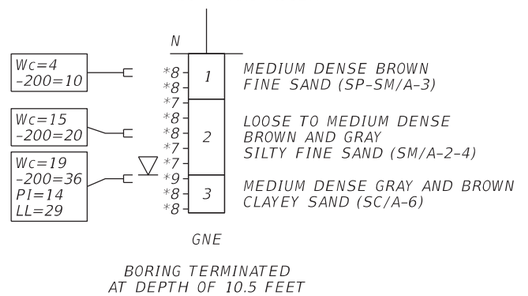
BORING TERMINATED AT DEPTH OF 10.5 FEET

BOR # PL-3
STA. 30° 29.085'
OFF. 87° 15.690'
DATE 10/5/2023
DRILLER C. WEST
HAMMER CPI
RIG HAND AUGER



BORING TERMINATED AT DEPTH OF 10.5 FEET

BOR # PL-4
STA. 30° 29.104'
OFF. 87° 15.679'
DATE 10/5/2023
DRILLER C. WEST
HAMMER CPI
RIG HAND AUGER



BORING TERMINATED AT DEPTH OF 10.5 FEET

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No.	Date	Issue / Revision

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EGS
3676 HARTSFIELD ROAD
TALLAHASSEE, FLORIDA 32303
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TALLAHASSEE, FL 32303
CERTIFICATE OF AUTHORIZATION: 6222

FLORIDA-ALABAMA TPO

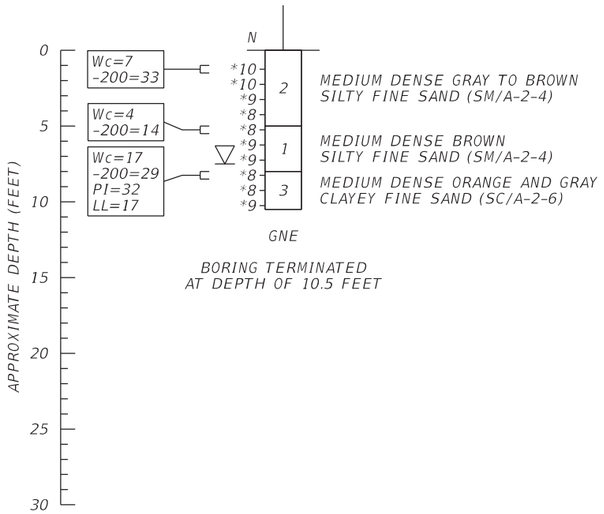
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

REPORT OF SOIL BORINGS

DWG NO.
AB-001
SHEET NO.

PARKING LOT

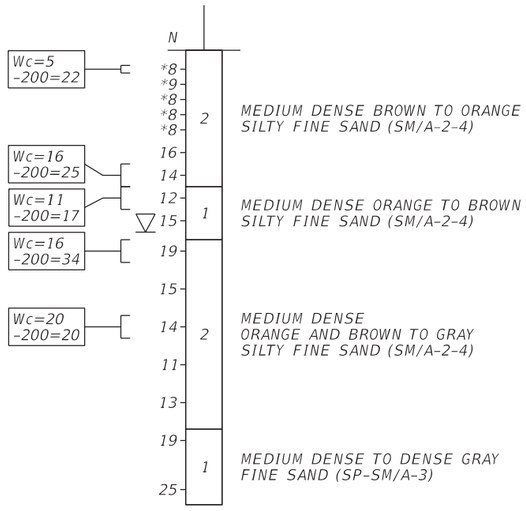
BOR # PL-5
STA. 30° 29.075'
OFF. 87° 15.650'
DATE 10/5/2023
DRILLER C. WEST
HAMMER CPI
RIG HAND AUGER



BORING TERMINATED
AT DEPTH OF 10.5 FEET

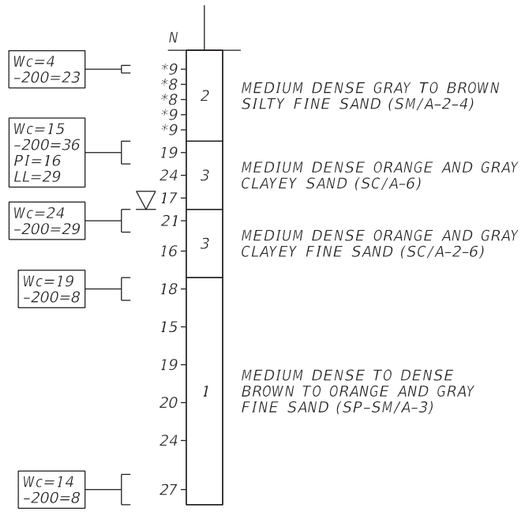
STORMWATER MANAGEMENT FACILITIES (SWMF)

BOR # SMF-1
STA. 30° 29.079'
OFF. 87° 15.756'
DATE 10/5/2023
DRILLER W. CHOMAT
HAMMER AUTOMATIC
RIG IHI



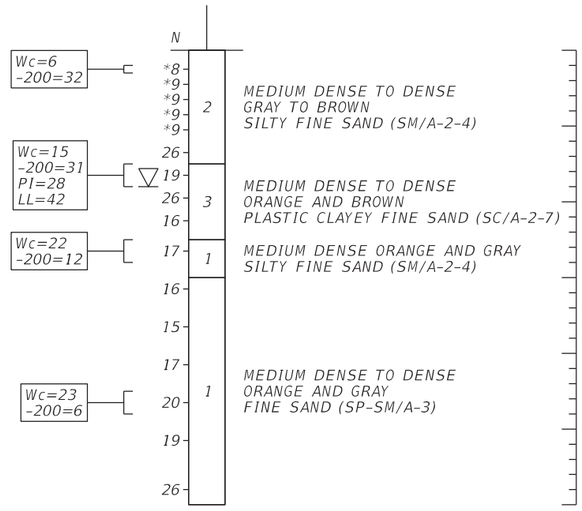
BORING TERMINATED
AT DEPTH OF 30.0 FEET

BOR # SMF-2
STA. 30° 29.097'
OFF. 87° 15.629'
DATE 10/5/2023
DRILLER W. CHOMAT
HAMMER AUTOMATIC
RIG IHI



BORING TERMINATED
AT DEPTH OF 30.0 FEET

BOR # SMF-3
STA. 30° 29.068'
OFF. 87° 15.630'
DATE 10/5/2023
DRILLER W. CHOMAT
HAMMER AUTOMATIC
RIG IHI



BORING TERMINATED
AT DEPTH OF 30.0 FEET

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FLORIDA-ALABAMA TPO

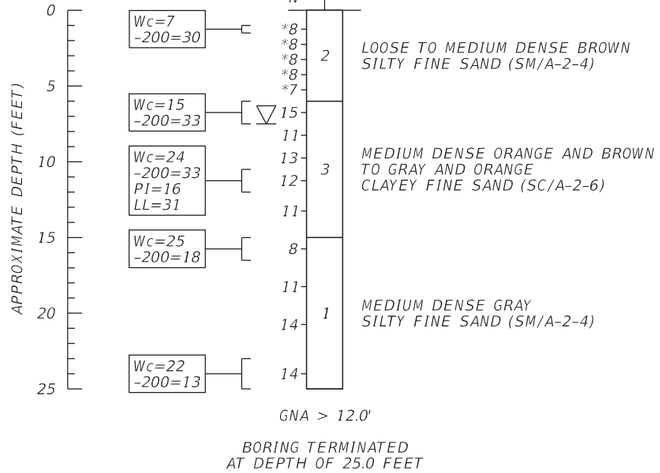
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

REPORT OF SOIL BORINGS

DWG NO.
AB-002
SHEET NO.

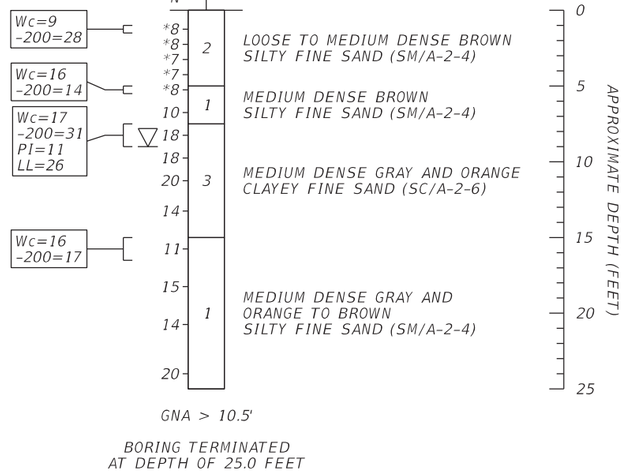
RTMC AND ECRC BUILDING

BOR # BLD-1
STA. 30° 29.097'
OFF. 87° 15.680'
DATE 10/3/2023
DRILLER W. CHOMAT
HAMMER AUTOMATIC
RIG IHI



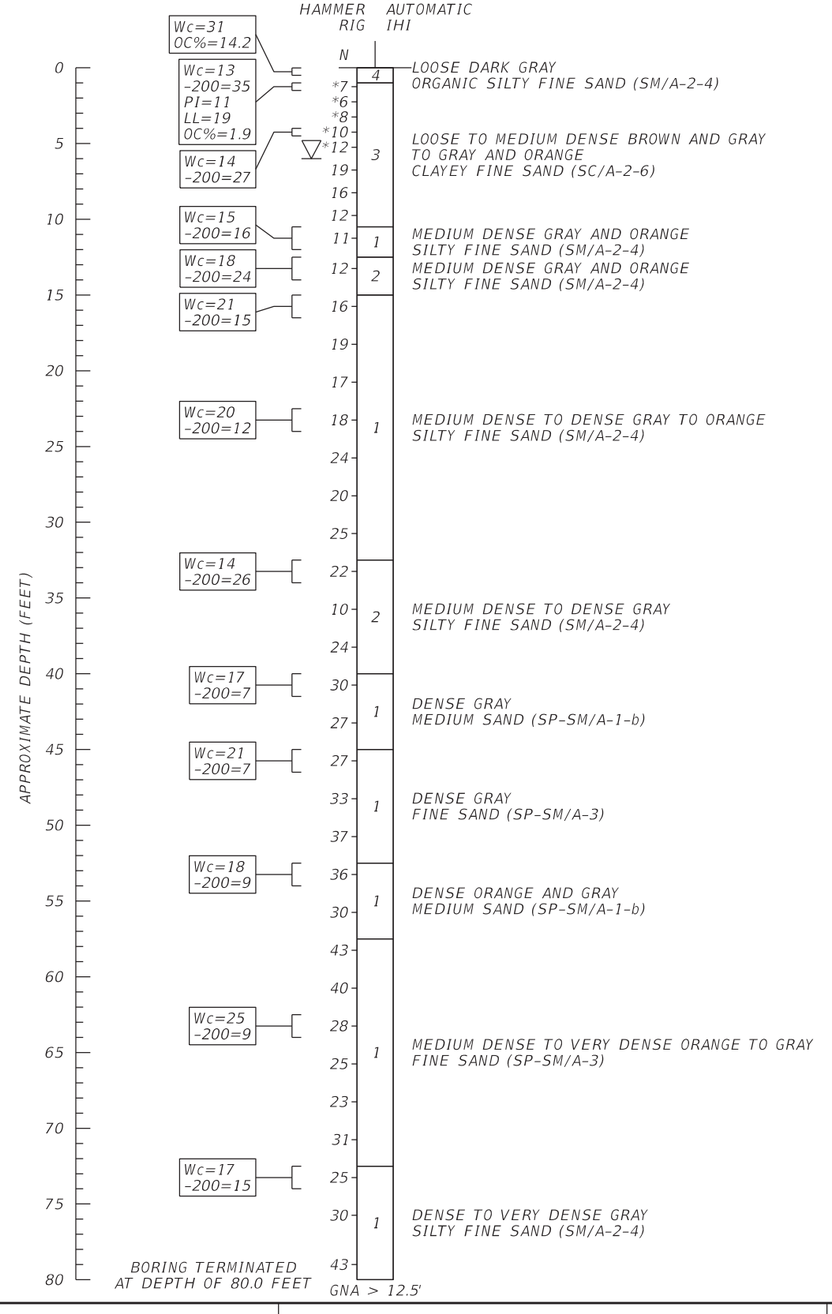
BORING TERMINATED AT DEPTH OF 25.0 FEET

BOR # BLD-2
STA. 30° 29.109'
OFF. 87° 15.655'
DATE 10/3/2023
DRILLER W. CHOMAT
HAMMER AUTOMATIC
RIG IHI



BORING TERMINATED AT DEPTH OF 25.0 FEET

BOR # BLD-3
STA. 30° 29.094'
OFF. 87° 15.659'
DATE 10/4/2023
DRILLER W. CHOMAT
HAMMER AUTOMATIC
RIG IHI



BORING TERMINATED AT DEPTH OF 80.0 FEET

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FLORIDA-ALABAMA TPO

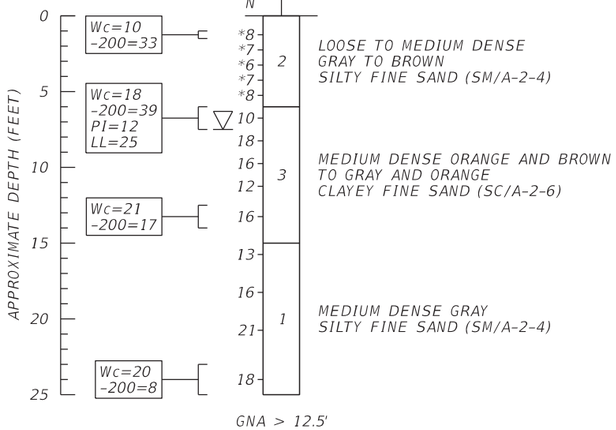
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

REPORT OF SOIL BORINGS

DWG NO. AB-003
SHEET NO.

RTMC AND ECRC BUILDING

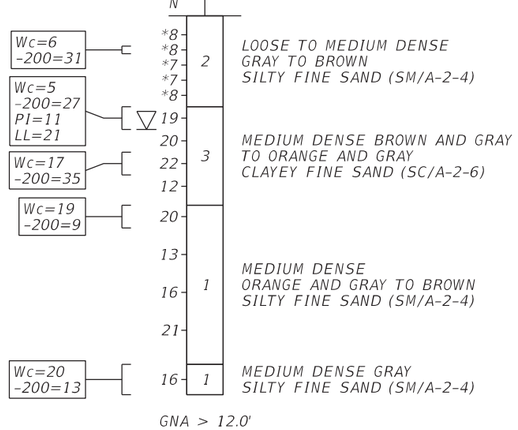
BOR # BLD-4
STA. 30° 29.089'
OFF. 87° 15.639'
DATE 10/3/2023
DRILLER W. CHOMAT
HAMMER AUTOMATIC
RIG IHI



GNA > 12.5'

BORING TERMINATED AT DEPTH OF 25.0 FEET

BOR # BLD-5
STA. 30° 29.073'
OFF. 87° 15.640'
DATE 10/3/2023
DRILLER W. CHOMAT
HAMMER AUTOMATIC
RIG IHI

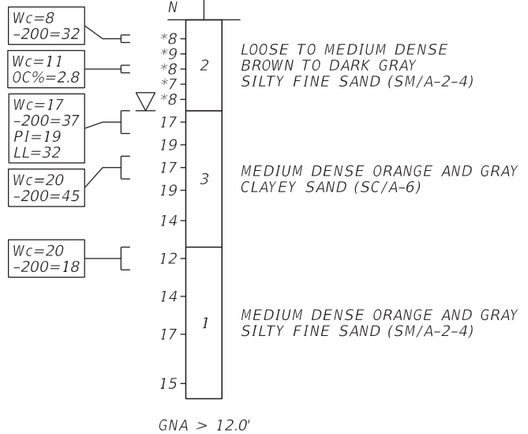


GNA > 12.0'

BORING TERMINATED AT DEPTH OF 25.0 FEET

CCTV POLES

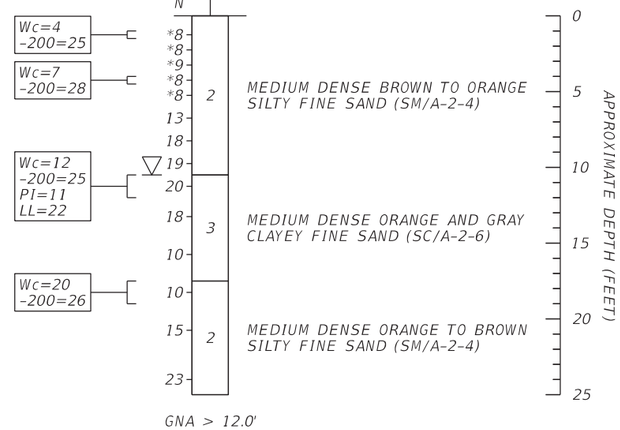
BOR # CCTV-1
STA. 30° 29.062'
OFF. 87° 15.643'
DATE 10/6/2023
DRILLER W. CHOMAT
HAMMER AUTOMATIC
RIG IHI



GNA > 12.0'

BORING TERMINATED AT DEPTH OF 25.0 FEET

BOR # CCTV-2
STA. 30° 29.067'
OFF. 87° 15.735'
DATE 10/6/2023
DRILLER W. CHOMAT
HAMMER AUTOMATIC
RIG IHI

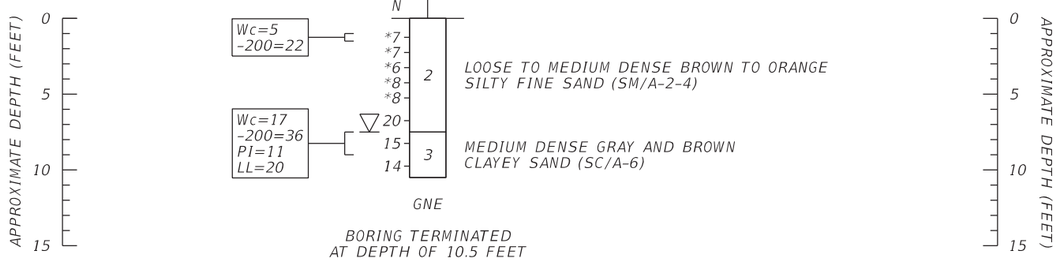


GNA > 12.0'

BORING TERMINATED AT DEPTH OF 25.0 FEET

CHILLER/ELECTRICAL YARD

BOR # CE-1
STA. 30° 29.096'
OFF. 87° 15.714'
DATE 10/5/2023
DRILLER W. CHOMAT
HAMMER AUTOMATIC
RIG IHI



GNE

BORING TERMINATED AT DEPTH OF 10.5 FEET

APPROXIMATE DEPTH (FEET)
0
5
10
15

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No.	Date	Issue / Revision

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CERTIFICATE OF AUTHORIZATION: 6222

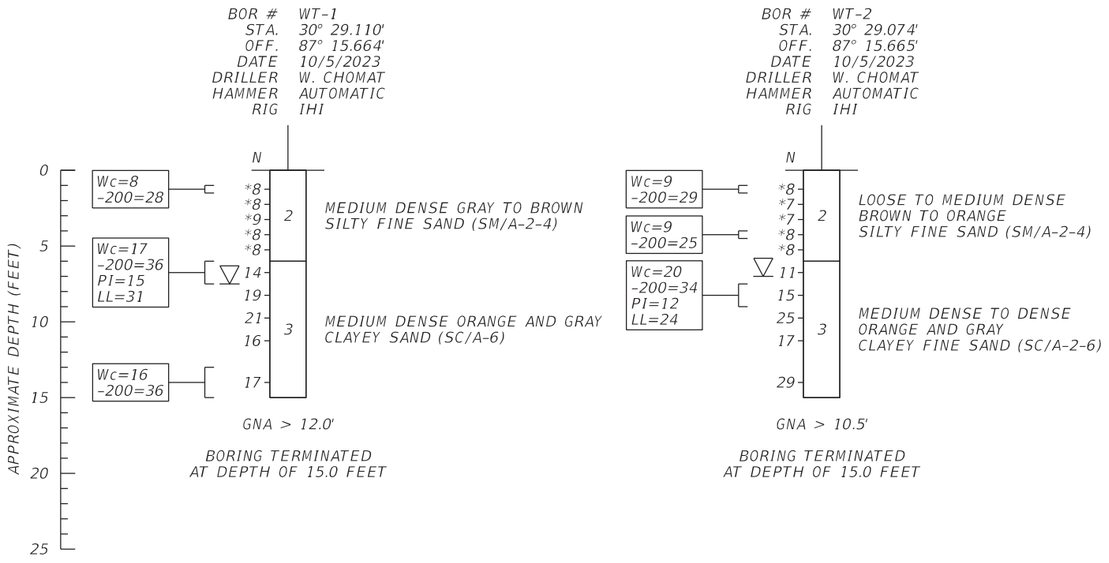
FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

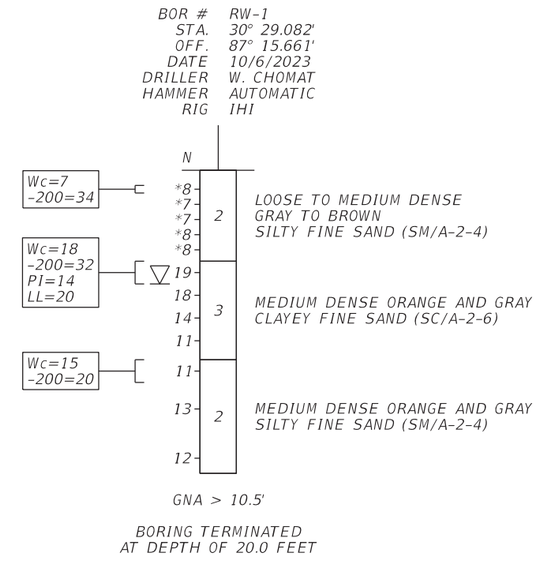
REPORT OF SOIL BORINGS

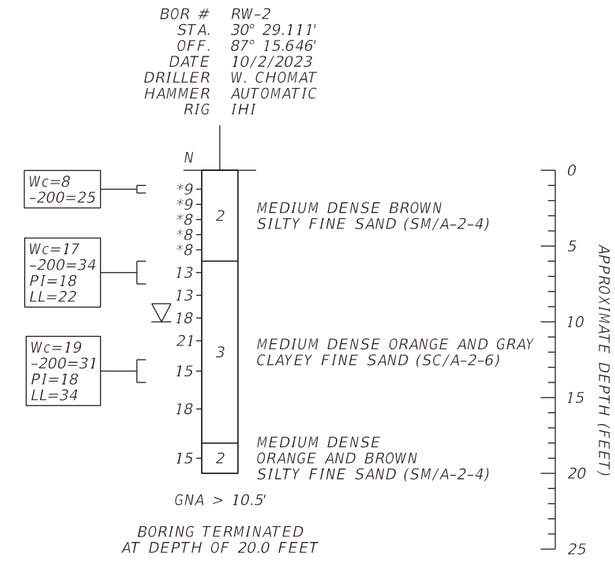
DWG NO. AB-004
SHEET NO.

WATER TANKS



RETAINING WALLS





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FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

REPORT OF SOIL BORINGS

DWG NO.
AB-005
SHEET NO.

GENERAL CONSTRUCTION NOTES

1. THE CONTRACTOR SHALL INDEMNIFY AND HOLD HARMLESS THE OWNER AND ENGINEER AND THEIR RESPECTIVE REPRESENTATIVES, AGENTS, AND EMPLOYEES, IN BOTH INDIVIDUAL AND OFFICIAL CAPACITIES, AGAINST ALL LAWSUITS, CLAIMS, DAMAGES, LOSSES, AND EXPENSES, INCLUDING ATTORNEY FEES, CAUSED BY, RESULTING FROM, AND/OR INCIDENTAL TO THE PERFORMANCE OF THE WORK UNDER THIS CONTRACT TO THE FULL EXTENT AS ALLOWED BY THE LAWS OF THE STATE OF FLORIDA AND NOT BEYOND ANY EXTENT WHICH WOULD RENDER THESE PROVISIONS VOID OR UNENFORCEABLE, IN THE EVENT OF ANY SUCH INJURY, DEATH, LOSS, OR DAMAGE, OR CLAIMS THEREOF, THE CONTRACTOR SHALL GIVE PROMPT NOTICE TO THE OWNER AND THE ENGINEER.

DEFINITIONS

1. OWNER: ESCAMBIA COUNTY/EMERALD COAST REGIONAL COUNCIL.
2. ENGINEER: OWNER'S DESIGNATED REPRESENTATIVE FOR CONSTRUCTION, OBSERVATION, AND ADMINISTRATION.
3. ENGINEER OF RECORD (EOR): ENGINEER WHOSE NAME AND SEAL IS AFFIXED TO THE DRAWINGS AND SPECIFICATIONS OF APPLICABLE WORK.

GENERAL NOTES:

1. ALL WORK PERFORMED SHALL BE GOVERNED BY THE FOLLOWING STANDARDS:
   - 1.A. FLORIDA BUILDING CODE: 2023
   - 1.B. FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION: FY2024-25
   - 1.C. FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION: FY2024-25
   - 1.D. EMERALD COAST UTILITIES AUTHORITY ENGINEERING MANUAL DATED SEPTEMBER 1, 2016
2. THE CONTRACTOR SHALL INVESTIGATE THE PROJECT SITE DURING BIDDING AND PRIOR TO INITIATING ANY CONSTRUCTION. PRIOR TO INITIATING WORK, CONTRACTOR SHALL PHOTOGRAPHICALLY DOCUMENT THE CONDITIONS IN AND AROUND THE ESCAMBIA COUNTY REGIONAL TRAFFIC MANAGEMENT CENTER AREA IMPROVEMENTS WITH COLOR DIGITAL PHOTOGRAPHS. PHOTOS SHALL BE PROVIDED TO THE OWNER OR OWNER'S DESIGNATED REPRESENTATIVE AT THE PRE-CONSTRUCTION MEETING. CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO EXISTING CONDITIONS THAT ARE TO REMAIN, WITH SAID PHOTOS TO SUPPORT CONDITIONS AT THE SITE.
3. THE CONTRACTOR SHALL, PRIOR TO ANY CONSTRUCTION ACTIVITY, HOLD A PRE-CONSTRUCTION MEETING WITH ALL PERMITTING AGENCIES INVOLVED, INCLUDING ESCAMBIA COUNTY, ENGINEER OF RECORD, AND NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT.
4. THE CONTRACTOR SHALL LOCATE AND FIELD VERIFY ALL STRUCTURES AND EXISTING UTILITIES (ABOVE GROUND AND BELOW GROUND), WHETHER SHOWN OR NOT ON THE DRAWINGS, BEFORE BEGINNING WORK. CONTRACTOR SHALL ALSO FIELD VERIFY ALL DIMENSIONS AND QUANTITIES.
5. ONCE MOBILIZED, CONTRACTOR MUST WORK ON THE PROJECT CONTINUOUSLY WITHOUT ABSENCES FROM THE SITE UNLESS APPROVED BY THE OWNER.
6. THE CONTRACTOR IS RESPONSIBLE FOR FAMILIARIZING THEMSELVES, THEIR PERSONNEL, AND SUB-CONTRACTORS WITH THE DRAWINGS, SPECIFICATIONS, REGULATORY AUTHORIZATIONS, AND ALL OTHER CONTRACT DOCUMENTS.
7. ALL WORK SHALL CONFORM TO THE CONSTRUCTION DRAWINGS, SPECIFICATIONS, REGULATORY AUTHORIZATIONS, AND ANY OTHER CONTRACT DOCUMENTS. THE CONTRACTOR SHALL POST AT THE PROJECT SITE ALL PERMIT NOTICES AND COMPLY WITH ALL TERMS OF THE PERMITS AS PERTAINING TO THE WORK.
8. CONTRACTOR SHALL CHECK PLANS FOR CONFLICTS AND DISCREPANCIES AND NOTIFY THE OWNER OR OWNER'S DESIGNATED REPRESENTATIVE PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE OWNER OR OWNER'S DESIGNATED REPRESENTATIVE OF ANY CONFLICTS BEFORE PERFORMING WORK IN THE AFFECTED AREA AND SHALL ALLOW 48 HOURS FOR THE EOR TO RESPOND.
9. THE CONTRACTOR SHALL CONDUCT CONSTRUCTION AND COORDINATE WITH THE OWNER AND ENGINEER IN SUCH A WAY AS TO ENSURE PUBLIC AND PRIVATE SAFETY IN AND AROUND THE CONSTRUCTION SITE.
10. SAFETY IS THE RESPONSIBILITY OF THE CONTRACTOR.
11. ALL SUBSURFACE CONSTRUCTION SHALL COMPLY WITH THE "TRENCH SAFETY ACT", CHAPTER 553,60-553,64, FLORIDA STATUTES. CONTRACTOR SHALL INSURE THAT THE METHOD OF TRENCH PROTECTION AND CONSTRUCTION IS IN COMPLIANCE WITH ALL OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REGULATIONS.
12. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ESTABLISH THE FOLLOWING IN THE FIELD: RIGHT OF WAY LINES, BENCHMARKS, CENTER LINES, AND STATIONING AS MAY BE REQUIRED TO CONSTRUCT THE PROJECT.
13. THE CONTRACTOR SHALL PROVIDE ACCESS TO THE WORK FOR INSPECTION BY THE ENGINEER, REGULATORY AGENCIES, AND OWNER.
14. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH THE ENGINEER AS NECESSARY FOR CONSTRUCTION INSPECTION AND AS-BUILT CERTIFICATION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT APPROPRIATE AND APPROVED TIMES DURING THE COURSE OF THE WORK THAT THE CONTRACTOR IS READY FOR INSPECTION. WORK THAT IS ASSEMBLED OR COVERED SO THAT THE ENGINEER CANNOT INSPECT THE WORK PROPERLY SHALL BE DISASSEMBLED, UNCOVERED, OR DESTROYED AS NECESSARY FOR INSPECTION, THE COSTS OF REPAIR OR RESTORATION OF THIS WORK SHALL BE BORNE SOLELY BY THE CONTRACTOR.
15. THE CONTRACTOR SHALL PROVIDE PERSONNEL AND EQUIPMENT FOR ENGINEER TO INSPECT AND INQUIRE ABOUT THE WORK. THIS MAY INCLUDE BUT NOT BE LIMITED TO PROJECT MANAGERS, SUPERINTENDENTS, FOREMEN, LABORERS, LADDERS, HARD HATS, LIFTS, SCAFFOLDING, BOATS, MEASURING DEVICES, SURVEY EQUIPMENT.
16. THE CONTRACTOR IS RESPONSIBLE FOR TEMPORARY SHORING, BRACING, OR OTHER MEANS/METHODS NECESSARY TO STABILIZE ALL STRUCTURES (OR STAGED MATERIAL) UNTIL COMPLETED WITH ALL COMPONENTS INSTALLED, UNLESS SPECIFICALLY STATED ON THE DRAWINGS. THE CONTRACTOR SHALL ASSUME THE EOR HAS ONLY DESIGNED THE STRUCTURE(S) FOR THE FINAL CONSTRUCTED AND ASSEMBLED STATE AS SHOWN ON THE DRAWINGS.
17. ALL PERMANENT MATERIAL SHALL BE NEW. USED, RECONDITIONED, OR REMANUFACTURED MATERIAL SHALL NOT BE ALLOWED UNLESS APPROVED BY THE OWNER IN WRITING.
18. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH LOCAL AND STATE BUILDING CODES. PRE-CONSTRUCTION PLAN APPROVALS REQUIRED BY LOCAL BUILDING AUTHORITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL FORWARD ALL ENGINEERING RELATED QUESTIONS TO THE ENGINEER FOR CONSIDERATION. INSPECTIONS REQUIRED BY LOCAL BUILDING AUTHORITIES SHALL BE COORDINATED BY THE CONTRACTOR.
19. THE CONTRACTOR SHALL IMPLEMENT AND MAINTAIN EROSION CONTROL MEASURES AS NECESSARY TO COMPLY WITH LOCAL, STATE, AND FEDERAL LAWS AND REGULATIONS. EROSION CONTROL MEASURES SHOWN ON THE DRAWINGS ARE A MINIMUM. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED BY PERMIT AUTHORITIES. ANY ADDITIONAL EROSION CONTROL MEASURES SHALL BE SUPPLIED AND INSTALLED BY THE CONTRACTOR AT NO ADDITIONAL COSTS TO THE OWNER.
20. CONTRACTOR IS RESPONSIBLE FOR REMOVING AND DISPOSING OF ALL DEBRIS. DEMOLITION DEBRIS SHALL BE DISPOSED OF OFFSITE AT A LICENSED LANDFILL IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL LAWS AND REGULATIONS.
21. CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE TO EXISTING FACILITIES, ABOVE OR BELOW GROUND, WHICH MAY OCCUR AS A RESULT OF THE WORK PERFORMED BY THE CONTRACTOR CALLED FOR IN THIS CONTRACT. SEE FDOT SPECIFICATION SECTION 108 FOR ADDITIONAL INFORMATION REGARDING PROTECTION OF EXISTING STRUCTURES.
22. CONTRACTOR SHALL PAY THE COST FOR ALL ELECTRICAL SERVICE UP TO FINAL ACCEPTANCE OF THE PROJECT BY THE OWNER OR OWNER'S DESIGNATED REPRESENTATIVE.
23. THE COST OF ALL INSPECTION FEES SHALL BE BORNE BY THE CONTRACTOR.
24. GEOTECHNICAL ENGINEERING SERVICES INCLUDING SOIL BORINGS HAVE BEEN PROVIDED BY ENVIRONMENTAL AND GEOTECHNICAL SPECIALISTS, INC.,. THE OWNER ASSUMES NO RESPONSIBILITY FOR THE CORRECTNESS, COMPLETENESS OR ACCURACY OF THE GEOTECHNICAL DATA PROVIDED BY LARRY M. JACOBS AND ASSOCIATES, INC.
25. IF PREHISTORIC OR HISTORIC ARTIFACTS, SUCH AS POTTERY OR CERAMICS, PROJECTILE POINTS, DUGOUT CANOES, METAL IMPLEMENTS, HISTORIC BUILDING MATERIALS, OR ANY OTHER PHYSICAL REMAINS THAT COULD BE ASSOCIATED WITH NATIVE AMERICAN, EARLY EUROPEAN, OR AMERICAN SETTLEMENTS ARE ENCOUNTERED AT ANY TIME WITHIN THE PROJECT SITE AREA, THE PERMITTED PROJECT SHALL CEASE ALL ACTIVITIES INVOLVING SUBSURFACE DISTURBANCE IN THE VICINITY OF THE DISCOVERY. THE APPLICANT SHALL CONTACT THE FLORIDA DEPARTMENT OF STATE, DIVISION OF HISTORICAL RESOURCES, COMPLIANCE REVIEW SECTION AT (850) 245-6333, PROTECT ACTIVITIES SHALL NOT RESUME WITHOUT VERBAL AND/OR WRITTEN AUTHORIZATION. IN THE EVENT THAT UNMARKED HUMAN REMAINS ARE ENCOUNTERED DURING PERMITTED ACTIVITIES, ALL WORK SHALL STOP IMMEDIATELY AND THE PROPER AUTHORITIES NOTIFIED IN ACCORDANCE WITH 872.05 FS.
26. THE CONTRACTOR SHALL WARRANTY THE WORK FOR A MINIMUM OF ONE YEAR UNLESS CLEARLY DEFINED OTHERWISE IN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL REPAIR AND/OR REPLACE ALL DEFECTIVE MATERIALS AND WORK AT NO COSTS TO THE OWNER WITHIN THE STATED WARRANTY PERIOD.
27. PRIOR TO INSTALLATION, CONTRACTOR SHALL SUBMIT SHOP DRAWINGS ON ALL PRE-CAST MATERIALS AND MANUFACTURED ITEMS TO THE OWNER OR OWNER'S DESIGNATED REPRESENTATIVE FOR APPROVAL. FAILURE TO OBTAIN APPROVAL BEFORE INSTALLATION MAY RESULT IN REMOVAL AND REPLACEMENT AT CONTRACTOR'S EXPENSE.

PERMITS AND PERMIT CONDITIONS

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BECOME FAMILIAR WITH THE PERMIT AND INSPECTION REQUIREMENTS SPECIFIED BY THE VARIOUS GOVERNMENTAL AGENCIES AND THE OWNER OR OWNER'S DESIGNATED REPRESENTATIVE.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS NOT SUPPLIED BY THE OWNER AND SCHEDULE INSPECTIONS ACCORDING TO AGENCY INSTRUCTIONS. COSTS OF OBTAINING PERMITS NOT SUPPLIED BY THE OWNER SHALL BE BORNE BY THE CONTRACTOR. THIS SHALL INCLUDE BUT NOT BE LIMITED TO: NPDES PERMIT (OR NOI), CLEARING OR LAND DISTURBANCE PERMITS, TREE IMPACT PERMITS, CITY OR COUNTY BUILDING PERMITS, DRIVEWAY OR ENTRANCE PERMITS, TEMPORARY UTILITIES PERMIT, ETC.
3. UNLESS CLEARLY SPECIFIED OTHERWISE BY THE OWNER IN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR FILING ALL NOTICES OF COMMENCEMENTS AND NOTICES OF COMPLETION TO ALL PERMITTING AGENCIES INCLUDING PERMITS SUPPLIED BY THE OWNER.
4. ALL PROPOSED CONSTRUCTION ACTIVITIES SHALL BE IN STRICT COMPLIANCE WITH ALL SPECIAL PERMIT CONDITIONS AS OUTLINED IN THE PERMITS, IF PERMIT CONDITIONS DIFFER FROM THESE SPECIFICATIONS, PERMIT CONDITIONS SHALL CONTROL.

AS-BUILT SURVEY AND RECORD DRAWINGS

1. RECORD DRAWINGS: A COPY OF THE ORIGINAL SIGNED AND SEALED DRAWINGS KEPT ONSITE AT ALL TIMES WHERE THE CONTRACTOR SHALL KEEP A RECORD OF ALL DEVIATIONS FROM THE ORIGINAL DRAWINGS MARKED IN RED PENCIL OR PEN. WHEN ALL SUBSTANTIAL WORK IS DONE AND BEFORE NOTICE OF FINAL COMPLETION OF THE WORK, THE CONTRACTOR SHALL SUBMIT THE ORIGINAL RECORD DRAWINGS TO THE ENGINEER AND UP TO THREE (3) FULL SIZE OR REDUCED SIZE COPIES AS REQUESTED BY THE ENGINEER.
2. AS-BUILT SURVEY DRAWINGS: POST-CONSTRUCTION SURVEY DRAWINGS SIGNED AND SEALED BY A FLORIDA LICENSED SURVEYOR AND MAPPER PURSUANT TO CHAPTER 472 FLORIDA STATUTES, MARKED "AS-BUILT" SURVEY, AND REVIEWED BY THE ENGINEER(S), THE AS-BUILT SURVEY SHALL BE SUBMITTED IN DIGITAL AND 22" X 34" PAPER VERSIONS (UP TO 6 COPIES) TO THE ENGINEER AND OWNER FOR APPROVAL. THE AS-BUILT SURVEY SHALL BE PERFORMED IN THE SAME HORIZONTAL AND VERTICAL COORDINATE SYSTEM THE DRAWINGS ARE IN. DIGITAL DRAWINGS SHALL BE IN AUTOCAD 2016 OR NEWER VERSION AND PDF FORMAT.

SURVEY NOTES

1. ALL ELEVATIONS REFERENCE THE 1988 NORTH AMERICAN VERTICAL DATUM (NAVD88). ELEVATIONS IN FEET UNLESS NOTED OTHERWISE.
2. ALL COORDINATES REFERENCE STATE PLANE FLORIDA NORTH NAD 83, COORDINATES IN FEET UNLESS NOTED OTHERWISE.
3. EXISTING TMC/ECRC SITE SURVEYED AUGUST 2023 BY SNELGROVE SURVEYING & MAPPING, INC.
4. THE INFORMATION ON THESE DRAWINGS REPRESENTS THE RESULTS OF THE SURVEYS PERFORMED ON THE DATES AS INDICATED THE INFORMATION FROM THESE SURVEYS CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THE TIME OF THE SURVEYS.
5. ANY PUBLIC LAND CORNER OR BENCHMARK WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, CONTRACTOR SHALL NOTIFY THE OWNER OR OWNER'S DESIGNATED REPRESENTATIVE IMMEDIATELY. ANY MONUMENT OTHERWISE DESTROYED BY CONTRACTOR SHALL BE RESET BY A FLORIDA PROFESSIONAL SURVEYOR AND MAPPER AT CONTRACTOR'S EXPENSE.
6. IF ANY GEODETIC MONUMENT WITHIN THE LIMITS OF CONSTRUCTION ARE DISTURBED, CONTRACTOR SHALL NOTIFY:

   DENIS RIORDAN, REGIONAL GEODETIC ADVISOR
   NATIONAL GEODETIC SURVEY
   JACKSON, MS
   (240) 678-2107
   denis.riordan@noaa.gov

7. ALL BENCHMARKS NOTED ON THE PLANS ARE TO BE MAINTAINED THROUGHOUT THE PROJECT. DESTROYED BENCHMARKS SHALL BE REDEFINED BY A FLORIDA PROFESSIONAL SURVEYOR AND MAPPER AT THE CONTRACTOR'S EXPENSE.

STAGING AND CONSTRUCTION ACCESS

1. STAGING AND ACCESS AREAS SHOWN ON THE DRAWINGS ARE PROPOSED FOR BIDDING PURPOSES. CONTRACTOR MAY PROPOSE ADDITIONAL STAGING OR ACCESS AREAS BUT WILL BE RESPONSIBLE FOR REVIEWING THE SITES SUITABILITY FOR THE PROPOSED WORK AND, IF ACCEPTABLE, OBTAINING USE AGREEMENTS WITH THE UPLAND PROPERTY OWNER FOR THE PROPOSED WORK. CONTRACTOR MAY PROPOSE ADDITIONAL OR ALTERNATIVE STAGING AREAS, LOADING AREAS, TEMPORARY FACILITIES, OR OTHER WORK LOCATIONS IN THEIR CONSTRUCTION WORK PLAN FOR ENGINEER AND OWNER REVIEW AND ACCEPTANCE.
2. THE CONTRACTOR SHALL PLACE BARRICADES AND SIGNS INDICATING THE AREAS AND LIMITS OF CONSTRUCTION.
3. RIGHT OF WAY MAY NOT BE USED FOR STORAGE OF NEW OR REMOVED MATERIAL. ANY SITE WITHIN THE PROJECT LIMITS INTENDED FOR MATERIAL STORAGE MUST BE PRE-APPROVED BY THE OWNER OR OWNER'S DESIGNATED REPRESENTATIVE. ANY SOIL, PIPE, UTILITIES, CONCRETE, ASPHALT, VEGETATION OR SIGNAGE MATERIALS THAT ARE REMOVED AND ARE NOT INTENDED FOR RE-USE SHALL BE REMOVED FROM THE PROJECT EACH WORKDAY AND CANNOT REMAIN ONSITE. NEW OR EXISTING MATERIALS MUST BE REMOVED FROM THE RIGHT OF WAY AT THE END OF EACH WORKDAY.
4. THE CONTRACTOR SHALL COORDINATE WORK HOURS WITH OWNER AND ENGINEER TO MEET PROJECT SCHEDULE REQUIREMENTS. WORK HOURS SHALL BE AS SPECIFIED IN THE CONTRACT DOCUMENTS AND FDEP AGREEMENT.
5. CONTRACTOR WILL NOT BE ALLOWED TO TRAVERSE, UTILIZE, OR IMPACT ADJACENT PROPERTIES WITHOUT SPECIFIC AUTHORIZATION FROM THE PROPERTY OWNER AND A CONSTRUCTION WORK PLAN ACCEPTED BY THE OWNER AND ENGINEER.
6. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION WITH ALL OTHER CONSTRUCTION ADJACENT TO THE PROJECT. IN THE EVENT OF ANY CONFLICT WHATSOEVER, THE CONTRACTOR SHALL NOTIFY THE OWNER OR THE OWNER'S DESIGNATED REPRESENTATIVE PRIOR TO PROCEEDING WITH CONSTRUCTION.
7. IN ORDER TO LIMIT DISTURBANCE TO THE SURROUNDING NEIGHBORHOODS, CONTRACTOR SHALL BE LIMITED TO CONSTRUCTION BETWEEN THE HOURS OF 7:00 A.M. TO 7:00 P.M., MONDAY THROUGH FRIDAY AND FROM 9:00 A.M. TO 7:00 P.M. ON SATURDAY. CONSTRUCTION OUTSIDE OF THESE HOURS MUST HAVE PRIOR WRITTEN CONSENT FROM THE OWNER OR OWNER'S DESIGNATED REPRESENTATIVE.
8. THE CONTRACTOR'S PROPOSED MATERIAL LOADING, HANDLING, HAULING, AND PLACEMENT OPERATIONS SHALL BE PERFORMED IN SUCH A MANNER AS TO MINIMIZE THE WORK AREA FOOTPRINT, REDUCE DAMAGE TO UPLAND AND NEARSHORE PROPERTY, REDUCE THE POTENTIAL DETERIORATION OF EXISTING ACCESSES AND HAUL ROUTES, AND AVOID IMPACTS TO VEGETATION TO THE GREATEST EXTENT PRACTICAL.
9. THE CONTRACTOR PROPOSED STAGING AREAS AND ACCESS CORRIDORS SHALL BE SUBJECT TO REVIEW BY THE OWNER AND ENGINEER. ACCEPTED AREAS SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION AND BE RESTORED TO THE ORIGINAL CONDITION FOLLOWING CONSTRUCTION. THE CONTRACTOR SHALL CLEARLY IDENTIFY THE ACCEPTED STAGING AREA (WITH FLAGS, STAKES, OR SIMILAR) AND MAY NOT OPERATE EQUIPMENT OR TRANSVERSE AREAS OUTSIDE THE MARKED AREA WITHOUT PRIOR APPROVAL FROM THE ENGINEER.
10. THE CONTRACTOR IS REQUIRED TO RESTORE THE ACCEPTED STAGING AND CORRIDOR AREAS TO THE ORIGINAL SITE CONDITION. RESTORATION ACTIVITIES MAY INCLUDE, BUT SHALL NOT BE LIMITED TO, REPLACING OR REPAIRING DAMAGED INFRASTRUCTURE (INCLUDING FENCING, PAVEMENT, ETC.), PLACING AND GRADING CLEAN SAND FILL IN RUTTED OR DISTURBED AREAS, AND VEGETATION RESTORATION.

SITEWORK NOTES

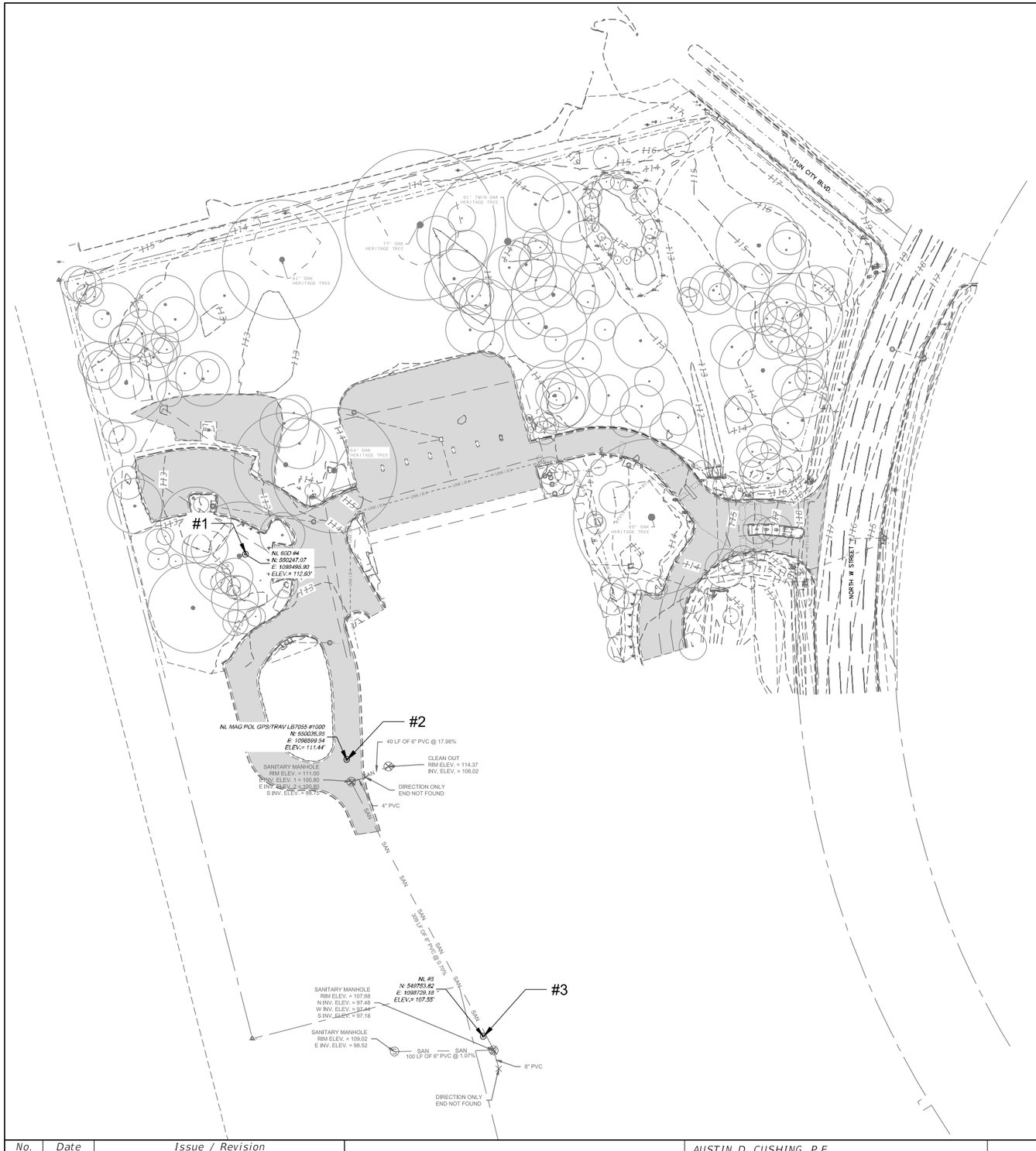
1. CONTRACTOR SHALL CLEAR AND GRUB ONLY THOSE PORTIONS OF THE PROJECT NECESSARY FOR CONSTRUCTION.
2. EXCESS SOIL THAT RESULTS FROM CLEARING AND GRUBBING OR SITE EXCAVATION IS TO BE UTILIZED ON-SITE IF OF SUITABLE MATERIAL. EXCESS MATERIAL IS TO BE EITHER STOCKPILED ON THE SITE OR DISPOSED OF AS DIRECTED BY THE OWNER OR OWNER'S DESIGNATED REPRESENTATIVE. STOCKPILED MATERIAL SHALL BE PROTECTED WITH SILT FENCING (REFER TO STORMWATER POLLUTION PROTECTION PLAN DETAILS).
3. CONTRACTOR IS RESPONSIBLE FOR ACQUIRING ANY PERMITS THAT ARE NECESSARY FOR REMOVING EXCESS EARTHWORK FROM THE PROJECT.
4. BURNING OF MATERIALS AND/OR DEBRIS AS A MEANS OF DISPOSAL IS PROHIBITED WITHIN THE PROJECT LIMITS.
5. FOR PAVING, NON-SELECT SOILS, WHEN ENCOUNTERED, SHALL BE REMOVED FROM CONSTRUCTION AREAS AND BACK-FILLED WITH SELECT MATERIALS IN ACCORDANCE WITH FDOT INDICES 500 AND 505.
6. ALL ROCKS OR STONES LARGER THAN 6 IN. IN DIAMETER SHALL BE REMOVED FROM THE BACKFILL MATERIAL. BACKFILL MATERIAL PLACED WITHIN 1 FT. OF PIPING AND APPURTENANCES SHALL NOT CONTAIN ANY STONES LARGER THAN 2 IN. IN DIAMETER IN ACCORDANCE WITH FDOT INDICES 500 AND 505.
7. THE CONTRACTOR SHALL SURVEY AND STAKE THE CLEARING LIMITS AS INDICATED BY THE PLANS AND RECEIVE APPROVAL FROM THE OWNER OR THE OWNER'S DESIGNATED REPRESENTATIVE PRIOR TO COMMENCING WITH THE CLEARING AND GRUBBING OPERATION. (REFER TO TREE PROTECTION DETAILS AND NOTES.)
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL FEDERAL AND STATE REGULATIONS CONCERNING SITE SAFETY AND HANDLING AND DISPOSAL OF CONTAMINATED SOILS.
9. CLEARING AND GRUBBING INCLUDES THE REMOVAL OF ALL INCIDENTAL ITEMS INCLUDING BUT NOT LIMITED TO STRUCTURES, CONCRETE, ASPHALT, GRAVEL, FENCING AND ANY OTHER IMPROVEMENTS TO BE REMOVED. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DISPOSE OF SUCH ITEMS OFF SITE.
10. EARTHWORK THAT RESULTS FROM CLEARING AND GRUBBING OR SITE EXCVATION IS TO BE UTILIZED ONSITE ACCORDING TO THE ESCAMBIA COUNTY'S LAND DEVELOPMENT CODE.

PAVING AND GRADING NOTES

1. ALL DELETERIOUS SUBSURFACE MATERIAL (I.E. MULCH, PEAT, BURIED DEBRIS) IS TO BE EXCAVATED IN ACCORDANCE WITH THESE PLANS OR AS DIRECTED BY THE OWNER OR OWNER'S DESIGNATED REPRESENTATIVE. DELETERIOUS MATERIAL IS TO BE REMOVED FROM THE SITE. EXCAVATED AREAS ARE TO BE BACKFILLED WITH APPROVED MATERIALS AND COMPACTED AS SHOWN ON THESE PLANS AND IN ACCORDANCE WITH THE SOILS REPORT. CONTRACTOR IS RESPONSIBLE FOR ACQUIRING ANY PERMITS THAT ARE NECESSARY FOR REMOVING DELETERIOUS MATERIAL FROM THE SITE.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXCAVATIONS AGAINST COLLAPSE AND WILL PROVIDE BRACING, SHEETING OR SHORING AS NECESSARY. DEWATERING METHODS SHALL BE USED AS REQUIRED TO KEEP TRENCHES DRY WHILE PIPE AND APPURTENANCES ARE BEING PLACED.
3. PROPOSED SPOT ELEVATIONS REPRESENT FINISHED PAVEMENT OR GROUND SURFACE GRADE UNLESS OTHERWISE NOTED ON THE DRAWINGS.
4. CONTRACTOR SHALL TRIM, TACK AND MATCH EXISTING PAVEMENT AT LOCATIONS WHERE NEW PAVEMENT MEETS EXISTING PAVEMENT.
5. CONTRACTOR TO PROVIDE A ½-IN. BITUMINOUS EXPANSION JOINT MATERIAL WITH SEALER AT ABUTMENT OF CONCRETE AND OTHER CONCRETE ITEMS (BUILDINGS, CURBING, SIDEWALKS, ETC.).
6. ALL UNDERGROUND UTILITIES MUST BE IN PLACE, TESTED OR INSPECTED, AND APPROVED PRIOR TO SURFACE CONSTRUCTION.
7. EXISTING SIGNAGE TO REMAIN THAT WILL BE AFFECTED BY CONSTRUCTION SHALL BE RELOCATED DURING CONSTRUCTION, SEE DEMOLITION PLAN.
8. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH AN INDEPENDENT TESTING COMPANY TO VERIFY COMPACTION. UPON COMPLETION OF THE WORK, CONTRACTOR SHALL HAVE ALL TEST RESULTS SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF FLORIDA PURSUANT TO CHAPTER 471 FLORIDA STATUTES AND SUBMITTED TO THE OWNER OR OWNER'S DESIGNATED REPRESENTATIVE.
9. ALL FINAL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC AND SHALL BE PLACED 14 DAYS AFTER PLACEMENT OF FINAL ASPHALT SURFACE.
10. THE CONTRACTOR SHALL COMPLETE ALL WORK INCLUDING RESTORATION, EXCEPT THE FINAL ASPHALT COURSE ON ONE SIDE OF THE ROADWAY PRIOR TO BEGINNING WORK ON THE IMPROVEMENTS TO THE OTHER SIDE OF THE ROADWAY. THE FINAL ASPHALT COURSE SHALL BE PLACED ON BOTH LANES AT THE SAME TIME.
11. ALL SIDEWALKS TO BE A MINIMUM 3,000 PSI CONCRETE AND 4-INCH THICK EXCEPT AT DRIVEWAY CROSSINGS WHERE THEY SHALL BE 6-INCH THICK REINFORCED WITH 6 IN X 6 IN W1.4XW1.4 WELDED WIRE MESH.

MAINTENANCE OF TRAFFIC GENERAL NOTES:

1. TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH THE FDOT DESIGN STANDARDS, INDEX 600 SERIES.
2. TEMPORARY TRAVEL LANES SHALL NOT BE LESS THAN 10-FT, IN WIDTH ON ROADWAYS OPEN TO TRAFFIC AND ADJACENT SIDE ROADS, TRAVEL LANES ON ROADWAYS OPEN TO TRAFFIC SHALL BE PROPERLY DELINEATED AT ALL TIMES DURING CONSTRUCTION.
3. MAINTENANCE OF TRAFFIC OPERATIONS ON INTERSECTING THOROUGHFARES AND ADJACENT STREETS SHALL BE COORDINATED WITH THE ESCAMBIA COUNTY.
4. IT IS THE RESPONSIBILITY OF CONTRACTOR TO MAINTAIN CLEAR ZONE REQUIREMENTS FOR EQUIPMENT AND MATERIALS STORAGE AND WORK ZONE PROTECTION AS SPECIFIED IN FDOT STANDARD INDEX 600.
5. CONTRACTOR SHALL PROVIDE TEMPORARY DRAINAGE WHEN HISTORICAL DRAINAGE PATTERNS ARE IMPEDED IN AN ACTIVE WORK ZONE, ANY ADDITIONAL COST ASSOCIATED WITH DRAINAGE (INSTALLATION AND REMOVAL OF TEMPORARY STRUCTURES, DE-SILTING OF EXISTING PIPES) SHALL BE INCIDENTAL TO THE CONTRACT.
6. ACCESS TO EXISTING DRIVEWAYS SHALL BE PROVIDED AT ALL TIMES. CONTRACTOR SHALL SUBMIT AN ACCESS MAINTENANCE PLAN FOR REVIEW AND RELEASE FOR CONSTRUCTION BY THE OWNER OR OWNER'S DESIGNATED REPRESENTATIVE. RESIDENTS SHALL BE NOTIFIED 72 HOURS IN ADVANCE OF ANY DRIVEWAY INTERRUPTIONS.
7. CONTRACTOR SHALL PROVIDE A TRAFFIC CONTROL OFFICER DURING ALL INTERMITTENT LANE CLOSURE OPERATIONS, NIGHTTIME OPERATIONS, AND DURING IMPLEMENTATION OF CHANGE IN THE TRAFFIC PATTERN (REROUTING OR SHIFTING TRAFFIC).
8. UNLESS OTHERWISE NOTED IN THE PLANS, THE EXISTING SPEED LIMITS ON ALL ROADWAYS SHALL BE MAINTAINED DURING CONSTRUCTION.
9. CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN. THE PLAN MUST BE SIGNED AND SEALED BY A FLORIDA PROFESSIONAL ENGINEER LICENSED UNDER CHAPTER 471, FLORIDA STATUTES. PRIOR TO IMPLEMENTATION, PLAN MUST BE SUBMITTED TO AND APPROVED BY THE OWNER OR OWNER'S DESIGNATED REPRESENTATIVE.
10. THE CONTRACTOR SHALL COORDINATE THE WORK WITHIN ESCAMBIA COUNTY RIGHT OF WAY WITH THE PROPER AGENCIES FOR MAINTENANCE OF TRAFFIC AND METHOD OF CONSTRUCTION AND REPAIR. CONTRACTOR SHALL OBTAIN ALL PERMITS AND APPROVALS PRIOR TO INITIATING WORK WITHIN THE RIGHT OF WAY.
11. THE CONTRACTOR MUST PROVIDE A QUALIFIED MAINTENANCE OF TRAFFIC SUPERVISOR TO BE ON SITE WHEN WORK IS TAKING PLACE AND SHALL BE ON CALL FOR EMERGENCIES WHEN THE CONTRACTOR IS NOT AVAILABLE. THIS SUPERVISOR IS RESPONSIBLE FOR OVERSEEING ALL TRAFFIC CONTROL IN AND WILL BE REQUIRED TO SUBMIT WRITTEN INSPECTION REPORTING VERIFYING COMPLIANCE WITH THE TRAFFIC CONTROL PLAN. THE CONTRACTOR SHALL PROVIDE THE OWNER OR THE OWNER'S DESIGNATED REPRESENTATIVE A 24-HOUR ON-CALL TELEPHONE NUMBER FOR THE SUPERVISOR.
12. THE CONTRACTOR SHALL ADD MAINTENANCE OF TRAFFIC DEVICES AS NEEDED TO PROVIDE ACCESS TO THE INTERIOR OF THE SITE, DEVICES SHALL BE PLACED SUCH THAT THE SAFETY OF THE PUBLIC AND CONSTRUCTION PERSONNEL ARE PROTECTED AT ALL TIMES.
13. THE OWNER OR OWNER'S DESIGNATED REPRESENTATIVE RESERVES THE RIGHT TO REQUIRE ADDITIONAL DEVICES AND/OR CHANGES TO THE TRAFFIC CONTROL PLAN BASED UPON CHANGING TRAFFIC CONDITIONS OR TRAFFIC SAFETY ISSUES.
14. CLOSURE OF THE ESCAMBIA COUNTY ROADS AND PARKING AREAS REQUIRE THE CONTRACTOR TO SUBMIT A ROAD CLOSURE REQUEST PACKAGE TO ESCAMBIA COUNTY A MINIMUM OF TWO (2) WEEKS PRIOR TO CLOSURE. THE CLOSURE REQUEST SHALL INCLUDE THE MAINTENANCE OF TRAFFIC PLAN. DETOUR PLAN AND A BRIEF DESCRIPTION OF CONSTRUCTION. PLANS ARE TO BE APPROVED BY A PROFESSIONAL ENGINEER OR A FDOT CERTIFIED ADVANCED MOT PRACTITIONER.
15. TEMPORARY LANE CLOSURES, ON THOSE ROADWAYS OPEN TO TRAFFIC, WILL NOT BE ALLOWED BETWEEN THE HOURS OF 6:30 AM AND 9:00 AM AND BETWEEN THE HOURS OF 4:00 PM AND 6:00 PM. THE CONTRACTOR SHALL REQUEST FROM THE OWNER OR OWNER'S DESIGNATED REPRESENTATI


FUN CITY BLVD.
NORTH W STREET
81" TWIN OAK HERITAGE TREE
77" OAK HERITAGE TREE
61" OAK HERITAGE TREE
64" OAK HERITAGE TREE
50" OAK HERITAGE TREE
#1
NL 60D #4
N: 550247.07
E: 1098495.90
ELEV.= 112.93'
#2
NL MAG POL GPS/TRAV LB7055 #1000
N: 550036.95
E: 1098599.54
ELEV.= 111.44'
40 LF OF 6" PVC @ 17.98%
CLEAN OUT
RIM ELEV. = 114.37
INV. ELEV. = 108.02
SANITARY MANHOLE
RIM ELEV. = 111.00
S INV. ELEV. 1 = 100.80
E INV. ELEV. 2 = 100.80
S INV. ELEV. = 98.75
DIRECTION ONLY
END NOT FOUND
4" PVC
SAN
SAN
SAN

LEGEND

- EXISTING CURB AND GUTTER TO BE REMOVED
- EXISTING ASPHALT TO BE REMOVED AND REPLACED
- LIMITS OF WATERLINE REMOVAL
- LIMITS OF FIBER OPTIC CABLE RELOCATION
- EXISTING TREE TO BE REMOVED
- EXISTING TREES TO REMAIN
- 115 EXISTING MAJOR CONTOURS
- 114 EXISTING MINOR CONTOURS
- TREE BARRICADE

UTILITY LEGEND:

- BE(B) = BURIED ELECTRIC
- BTV(B) = BURIED TELEVISON
- BFO(B) = BURIED FIBER OPTIC
- BT(B) = BURIED TELEPHONE
- = GEOTHERMAL EXTENTS
- UNK(B) = UNKNOWN UTILITY
- W(B) = WATER MAIN

ABBREVIATIONS LEGEND:

(B)	= QUALITY LEVEL "B"
BFO	= FIBER OPTIC CABLE
BT	= BURIED TELEPHONE
BTV	= BURIED ANTENNA TELEVISION
W	= WATER LINE

SNELGROVE Surveying & Mapping, Inc.

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

No.	Date	Issue / Revision

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HALFF ASSOCIATES, INC.
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FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

EXISTING CONDITIONS AND DEMOLITION PLAN

DWG NO. C103

SHEET NO.

LEGEND

- EXISTING TREE TO BE REMOVED
- EXISTING TREES TO REMAIN
- —115— EXISTING MAJOR CONTOURS
- —114— EXISTING MINOR CONTOURS

SNELGROVE Surveying & Mapping, Inc.

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

No.	Date	Issue / Revision

halff
2255 KILLEARN CENTER BLVD.
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CA 33380

FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

TREE INVENTORY

DWG NO. C104

SHEET NO.

Tree Number	Species	Diameter (inch)	Preserve	Remove	Mitigation (Y/N)	Reason for Removal
1	CYPRESS	4		X	N	PROPOSED BLDG
2	CYPRESS	4		X	N	PROPOSED BLDG
3	CYPRESS	4		X	N	PROPOSED BLDG
4	CYPRESS	4		X	N	PROPOSED BLDG
5	SWEETGUM	4	X			-
6	UNK	4		X	N	PROPOSED BLDG
7	UNK	4		X	N	PROPOSED BLDG
8	UNK	4		X	N	PROPOSED BLDG
9	UNK	4		X	N	PROPOSED BLDG
10	CYPRESS	5		X	N	PROPOSED BLDG
11	CYPRESS	6		X	N	PROPOSED BLDG
12	CYPRESS	6		X	N	PROPOSED BLDG
13	UNK	6		X	N	PROPOSED BLDG
14	CREPE MYRTLE	8		X	N	PARKING LOT
15	CREPE MYRTLE	8		X	N	PARKING LOT
16	CYPRESS	8		X	N	PROPOSED BLDG
17	CYPRESS	8		X	N	PROPOSED BLDG
18	CYPRESS	8		X	N	PROPOSED BLDG
19	CYPRESS	8		X	N	PROPOSED BLDG
20	SWEETGUM	8	X			-
21	SWEETGUM	8	X			-
22	UNK	8		X	N	PROPOSED BLDG
23	MAGNOLIA	9		X	N	PARKING LOT
24	MAGNOLIA	9		X	N	STORMWATER AREA -W
25	CREPE MYRTLE	10	X			-
26	CREPE MYRTLE	10	X			-
27	SWEETGUM	10	X			-
28	SWEETGUM	10		X	N	PROPOSED BLDG
29	UNK	10		X	N	PROPOSED BLDG
30	UNK	10		X	N	PROPOSED BLDG
31	UNK	11		X	N	PARKING LOT
32	CREPE MYRTLE	12	X			-
33	CREPE MYRTLE	12	X			-
34	CREPE MYRTLE	12	X			-
35	CREPE MYRTLE	12	X			-
36	CREPE MYRTLE	12	X			-
37	CREPE MYRTLE	12		X	Y	PARKING LOT
38	MAGNOLIA	12		X	Y	STORMWATER AREA -W
39	UNK	12		X	Y	PARKING LOT
40	SWEETGUM	13	X			-
41	UNK	13		X	Y	STORMWATER AREA -W
42	CREPE MYRTLE	14	X			-
43	CREPE MYRTLE	14	X			-
44	MAGNOLIA	14	X			-
45	MAGNOLIA	14		X	Y	PARKING LOT
46	UNK	14		X	Y	PROPOSED BLDG
47	CREPE MYRTLE	15	X			-
48	CREPE MYRTLE	15	X			-
49	CREPE MYRTLE	15	X			-
50	SWEETGUM	15		X	Y	PARKING LOT
51	CREPE MYRTLE	16	X			-
52	CREPE MYRTLE	16	X			-
53	CREPE MYRTLE	16	X			-
54	CREPE MYRTLE	17	X			-
55	SPUTUNK	18		X	Y	PARKING LOT
56	CREPE MYRTLE	20	X			-
57	SPUTUNK	1		X	N	STORMWATER AREA -E
58	OAK	3	X			-
59	OAK	3	X			-
60	OAK	3	X			-
61	OAK	6	X			-
62	OAK	7	X			-
63	OAK	7	X			-
64	OAK	8	X			-
65	OAK	8	X			-
66	OAK	8	X			-
67	OAK	9		X	Y	STORMWATER AREA -W
68	OAK	9	X			-
69	OAK	10	X			-
70	OAK	10		X	Y	STORMWATER AREA -E
71	OAK	10		X	Y	PROPOSED BLDG
72	OAK	10		X	Y	PROPOSED BLDG
73	OAK	10		X	Y	STORMWATER AREA -W
74	OAK	10		X	Y	STORMWATER AREA -W
75	OAK	10	X			-
76	OAK	10	X			-
77	OAK	11	X			-
78	OAK	11		X	Y	PROPOSED BLDG
79	OAK	11	X			-
80	OAK	11	X			-
81	OAK	12		X	Y	STORMWATER AREA -E
82	OAK	12		X	Y	PROPOSED BLDG
83	OAK	12		X	Y	PARKING LOT
84	OAK	12	X			-
85	OAK	12	X			-
86	OAK	13	X			-
87	OAK	13		X	Y	STORMWATER AREA -E
88	OAK	13		X	Y	STORMWATER AREA -E
89	OAK	13		X	Y	PARKING LOT
90	OAK	13		X	Y	PARKING LOT
91	OAK	13	X			-
92	OAK	13	X			-
93	OAK	13	X			-
94	OAK	14	X			-
95	OAK	14		X	Y	STORMWATER AREA -E
96	OAK	14		X	Y	PROPOSED BLDG
97	OAK	14		X	Y	PARKING LOT
98	OAK	14		X	Y	STORMWATER AREA -W
99	OAK	14		X	Y	STORMWATER AREA -W
100	OAK	14	X			-

Tree Number	Species	Diameter (inch)	Preserve	Remove	Mitigation	Reason for Removal
101	OAK	14	X			-
102	OAK	15		X	Y	PROPOSED BLDG
103	OAK	15		X	Y	STORMWATER AREA -E
104	OAK	15		X	Y	STORMWATER AREA -W
105	OAK	15	X			-
106	TWIN OAK	15		X	Y	PROPOSED BLDG
107	OAK	16		X	Y	STORMWATER AREA -E
108	OAK	16		X	Y	STORMWATER AREA
109	OAK	16		X	Y	PARKING LOT
110	OAK	17		X	Y	STORMWATER AREA -E
111	OAK	17		X	Y	PROPOSED BLDG
112	OAK	17		X	Y	PARKING LOT
113	OAK	17	X			-
114	OAK	17	X			-
115	OAK	18		X	Y	STORMWATER AREA -E
116	OAK	18		X	Y	STORMWATER AREA -E
117	OAK	18		X	Y	PROPOSED BLDG
118	OAK	18		X	Y	ACCESS DRIVE
119	OAK	18		X	Y	STORMWATER AREA -W
120	OAK	18		X	Y	STORMWATER AREA -W
121	OAK	18		X	Y	STORMWATER AREA -W
122	OAK	18		X	Y	STORMWATER AREA -W
123	OAK	18		X	Y	STORMWATER AREA -W
124	OAK	18	X			-
125	OAK	18		X	Y	STORMWATER AREA -W
126	OAK	19		X	Y	ACCESS DRIVE
127	OAK	19		X	Y	PARKING LOT
128	OAK	19		X	Y	PARKING LOT
129	OAK	19	X			-
130	OAK	19		X	Y	
131	OAK	20		X	Y	PROPOSED BLDG
132	OAK	20		X	Y	STORMWATER AREA -E
133	OAK	20		X	Y	STORMWATER AREA -E
134	OAK	20	X			-
135	OAK	20		X	Y	STORMWATER AREA -W
136	OAK	21		X	Y	STORMWATER AREA -E
137	OAK	21		X	Y	STORMWATER AREA -E
138	OAK	21		X	Y	PROPOSED BLDG
139	OAK	21		X	Y	PARKING LOT
140	OAK	21		X	Y	PARKING LOT
141	OAK	21		X	Y	PARKING LOT
142	OAK	21		X	Y	STORMWATER AREA -W
143	OAK	22		X	Y	PROPOSED BLDG
144	OAK	22		X	Y	STORMWATER AREA
145	OAK	23		X	Y	PARKING LOT
146	OAK	23		X	Y	PARKING LOT
147	OAK	23		X	Y	PARKING LOT
148	OAK	23		X	Y	STORMWATER AREA -W
149	OAK	23	X			-
150	OAK	24		X	Y	STORMWATER AREA -E
151	OAK	24		X	Y	STORMWATER AREA -W
152	OAK	24		X	Y	STORMWATER AREA -W
153	OAK	24	X			-
154	TWIN OAK	24		X	Y	PROPOSED BLDG
155	OAK	25		X	Y	PROPOSED BLDG
156	OAK	25	X			-
157	OAK	25		X	Y	STORMWATER AREA -W
158	OAK	25	X			-
159	OAK	26	X			-
160	OAK	27		X	Y	PARKING LOT
161	OAK	27		X	Y	PARKING LOT
162	OAK	28		X	Y	PROPOSED BLDG
163	OAK	28		X	Y	STORMWATER AREA -W
164	OAK	29		X	Y	PARKING LOT
165	OAK	30		X	Y	STORMWATER AREA -W
166	TWIN OAK	30	X			-
167	OAK	31		X	Y	PARKING LOT
168	OAK	31		X	Y	PARKING LOT
169	OAK	31		X	Y	STORMWATER AREA -W
170	OAK	32		X	Y	STORMWATER AREA -E
171	OAK	36		X	Y	PARKING LOT
172	OAK	36	X			-
173	TWIN OAK	41		X	Y	STORMWATER AREA -W
174	OAK	42		X	Y	PARKING LOT
175	TRIPLE OAK	43		X	Y	STORMWATER AREA -E
176	TWIN OAK	43		X	Y	PARKING LOT
177	TRIPLE OAK	44		X	Y	STORMWATER AREA -E
178	OAK	45		X	Y	PROPOSED BLDG
179	OAK	46	X			-
180	OAK	53	X			-
181	OAK	55	X			-
182	OAK	61	X			-
183	OAK	64	X			-
184	OAK	77	X			-
185	OAK	80	X			-
186	TWIN OAK	81		X	Y	PARKING LOT
187	PALM	14	X			-
188	PINE	8		X	N	PARKING LOT
189	PINE	13		X	N	STORMWATER AREA -E
190	PINE	13		X	N	UNDERGROUND UTILITIES
191	PINE	13		X	N	SIDEWALK
192	PINE	17		X	N	STORMWATER AREA -E
193	PINE	19		X	N	PARKING LOT
194	PINE	20		X	N	STORMWATER AREA -E
195	PINE	20		X	N	STORMWATER AREA -E
196	PINE	21		X	N	PARKING LOT
197	PINE	25		X	N	PROPOSED BLDG
198	PINE	26		X	N	STORMWATER AREA -E
199	PINE	28		X	N	PARKING LOT
200	PINE	28	X			-

TREE MITIGATION (DSM 2-5)

PROTECTED TREES (12" DBH AND GREATER) 2" = 1" DBH REPLACEMENT INCHES

TREE NUMBER		DBH REMOVED (INCHES)	REPLACEMENT INCHES REQUIRED
37	CREPE MYRTLE	12	6
38	MAGNOLIA	12	6
39	UNKNOWN	12	6
41	UNKNOWN	13	6.5
45	MAGNOLIA	14	7
46	UNKNOWN	14	7
50	SWEETGUM	15	7.5
55	UNKNOWN	18	9
67	OAK	9	4.5
70	OAK	10	5
71	OAK	10	5
72	OAK	10	5
73	OAK	10	5
74	OAK	10	5
78	OAK	11	5.5
81	OAK	12	6
82	OAK	12	6
83	OAK	12	6
87	OAK	13	6.5
88	OAK	13	6.5
89	OAK	13	6.5
90	OAK	13	6.5
95	OAK	14	7
96	OAK	14	7
97	OAK	14	7
98	OAK	14	7
99	OAK	14	7
102	OAK	15	7.5
103	OAK	15	7.5
104	OAK	15	7.5
106	TWIN OAK	15	7.5
107	OAK	16	8
108	OAK	16	8
109	OAK	16	8
110	OAK	17	8.5
111	OAK	17	8.5
112	OAK	17	8.5
115	OAK	18	9
116	OAK	18	9
117	OAK	18	9
118	OAK	18	9
119	OAK	18	9
120	OAK	18	9
121	OAK	18	9
122	OAK	18	9
123	OAK	18	9
125	OAK	18	9
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127	OAK	19	9.5
128	OAK	19	9.5
130	OAK	19	9.5
131	OAK	20	10
132	OAK	20	10
133	OAK	20	10
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142	OAK	21	10.5
143	OAK	22	11
144	OAK	22	11
145	OAK	23	11.5
146	OAK	23	11.5
147	OAK	23	11.5
148	OAK	23	11.5
150	OAK	24	12
151	OAK	24	12
152	OAK	24	12
154	TWIN OAK	24	12
155	OAK	25	12.5
157	OAK	25	12.5
160	OAK	27	13.5
161	OAK	27	13.5
162	OAK	28	14
163	OAK	28	14
164	OAK	29	14.5
165	OAK	30	15
167	OAK	31	15.5
168	OAK	31	15.5
169	OAK	31	15.5
170	OAK	32	16
171	OAK	36	18
173	TWIN OAK	41	20.5
174	OAK	42	21
175	TRIPLE OAK	43	21.5
176	TWIN OAK	43	21.5
177	TRIPLE OAK	44	22
178	OAK	45	22.5

TOTAL INCHES OF PROTECTED TREES PROPOSED TO BE REMOVED	1850
TOTAL REPLACEMENT INCHES	925
CAP OF 25" PER ACRE IS ON REPLACEMENT OF PROTECTED TREES 25" x 18.56 ACRES = 464" CAP	464

HERITAGE TREES (60" DBH AND GREATER) 2" = 1" REPLACEMENT INCHES

186	TWIN OAK	81	41

TOTAL REPLACEMENT INCHES REQUIRED:	505
TOTAL REPLACEMENT INCHES PROVIDED (NOT INCLUDING BUFFER OR PARKING):	222

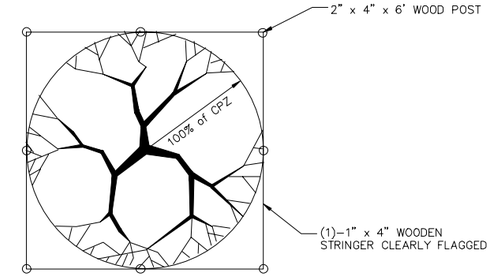
MITIGATION TREES
(12) MAPLES @ 4" DBH = 48"
(16) PINES @ 3" DBH = 48"
(7) SHUMARD OAKS @ 4" DBH = 28"
(5) LIVE OAKS @ 4" DBH = 20"
(26) CYPRESS @ 3" DBH = 78"

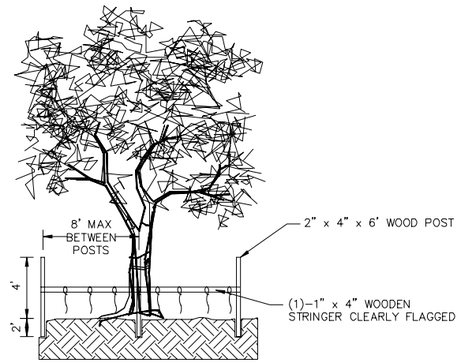
TOTAL DEFICIT (INCHES)	283

TOTAL PAYMENT INTO TREE FUND

283 INCHES / 2.5 INCH TREE = 114 TREES
114 TREES x $350 = **$39,900.00**

NOTE: THE HERITAGE TREE THAT IS BEING SHOWN AS TO BE REMOVED (TR-186, 81" DBH) IS BEING REMOVED DUE TO ITS LOCATION ON SITE WHICH PREVENTS THE REASONABLE USE OF THE SITE. THE HERITAGE TREE BEING REMOVED (TR-186, 81" DBH) PREVENTS THE CONSTRUCTION OF NECESSARY ELEMENTS FOR THE TRAFFIC MANAGEMENT CENTER THAT WOULD OTHERWISE PROHIBIT THE PROJECT FROM BEING DEVELOPED.





NOTE: THE TREE PROTECTION BARRIER SHALL BE PLACED SO AS TO PROTECT AS MUCH OF THE PROTECTED TREES' CRITICAL PROTECTION ZONE CPZ AS POSSIBLE. THE CPZ EQUALS A CIRCLE DESCRIBED ABOUT THE CENTER OF THE TREE HAVING A RADIUS OF 1' FOR EVERY INCH OF TRUNK DIAMETER AT BREAST HEIGHT (DBH).

TREE PROTECTION BARRICADE

N.T.S.

GENERAL NOTES:

1. CONTRACTOR SHALL PROVIDE TREE PROTECTION AND PRESERVATION FOR ALL TREES SHOWN TO REMAIN. TREE PROTECTION AND PRESERVATION SHALL BE IN ACCORDANCE WITH THE ESCAMBIA COUNTY DESIGN STANDARDS MANUAL SEC. 2-3. TREE REPLACEMENT SHALL BE IN CONFORMANCE WITH ESCAMBIA COUNTY DESIGN STANDARDS MANUAL SEC. 2-5.
2. ANY PROPOSED CONSTRUCTION WITHIN THE CPZ OF ANY TREE SHALL IN EFFECT CAUSE THE TREE TO BE REMOVED UNLESS A CERTIFIED ARBORIST CAN RECOMMEND ANY MITIGATION TO SAVE THE IMPACTED TREE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TREE REPLACEMENT AS PER ESCAMBIA COUNTY DESIGN STANDARDS MANUAL SECTION2-5.
3. ANY IMPACTED TREE THAT HAS BEEN RECOMMENDED TO BE SAVED BY A CERTIFIED ARBORIST SHALL BE MITIGATED IN ACCORDANCE WITH THE ESCAMBIA COUNTY LAND DEVELOPMENT CODE DESIGN STANDARDS MANUAL SECTION 2-3.
4. ALL EXISTING SURFACE FEATURES WITHIN THE LIMITS OF CONSTRUCTION TO REMAIN UNLESS OTHERWISE NOTED.
5. HALFF HAS NOT VERIFIED THE ACCURACY OF THE EXISTING SURFACE FEATURES OR UNDERGROUND UTILITIES. THE CONTRACTOR IS TO FIELD VERIFY LOCATIONS AND SIZES OF ALL SURFACE FEATURES AND UNDERGROUND UTILITIES PRIOR TO DEMOLITION ACTIVITIES. THE CONTRACTOR SHALL CONTACT THE ENGINEER OF RECORD WITH ANY DISCREPANCIES PRIOR TO COMMENCING WITH CONSTRUCTION.

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

No.	Date	Issue / Revision

halff
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CA 33380

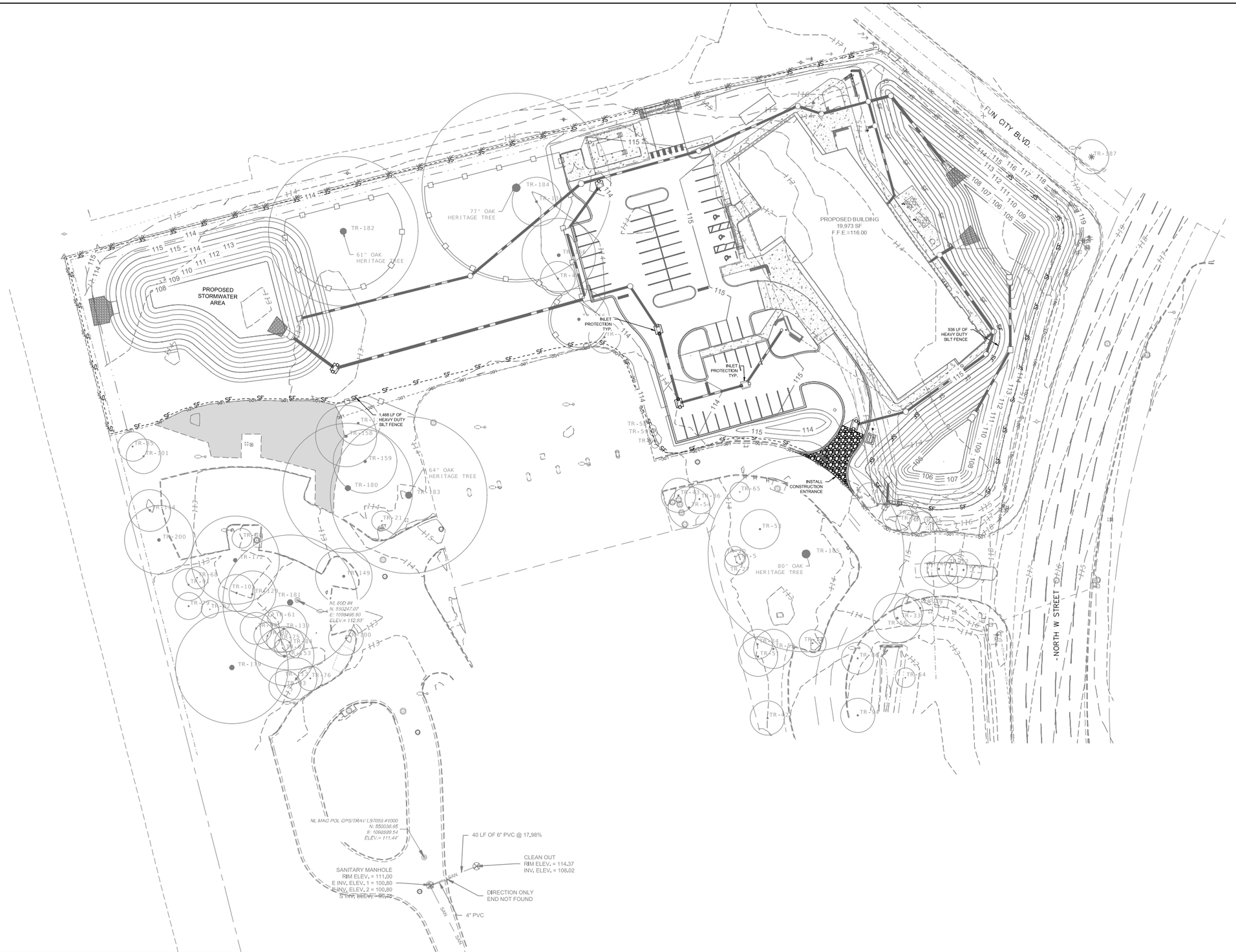
FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

TREE INVENTORY LIST

DWG NO. C105

SHEET NO.



0 20 40 80
SCALE IN FEET

LEGEND

- PROPOSED SILT FENCING
- PROPOSED INLET/CURB INLET PROTECTION
- PROPOSED CONSTRUCTION ENTRANCE

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No.	Date	Issue / Revision

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CA 33380

FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

SWPPP

DWG NO. C106

SHEET NO.

RECORD KEEPING

CONTRACTOR SHALL COMPLETE THE NECESSARY RECORD KEEPING TASKS IN A REGULAR AND EXPEDIENT MANNER WHILE CONSTRUCTION ACTIVITIES ARE OCCURRING.

1. CONTRACTOR SHALL RETAIN THE FOLLOWING RECORDS AT THE CONSTRUCTION SITE OR THE RECORDS SHALL BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOTICE OF TERMINATION (NOT) IS SUBMITTED TO FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP):
   a) A COPY OF ALL NOTICES OF INTENT (NOI) SUBMITTED TO FDEP;
   b) A COPY OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN;
   c) A COPY OF ALL MONITORING INFORMATION, RESULTS, AND REPORTS REQUIRED BY THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) GENERAL PERMIT;
   d) A COPY OF ALL INSPECTION REPORTS GENERATED AS REQUIRED BY THE FDEP NPDES GENERAL PERMIT;
   e) A COPY OF ALL VIOLATION SUMMARIES AND VIOLATION SUMMARY REPORTS GENERATED DURING THE COURSE OF THE PROJECT;
   f) DAILY RAINFALL INFORMATION COLLECTED.
2. CONTRACTOR SHALL RECORD THE FOLLOWING DATES:
   a) WHEN MAJOR GRADING ACTIVITIES OCCUR;
   b) WHEN CONSTRUCTION ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE ON A PORTION OF THE SITE;
   c) WHEN STABILIZATION (I.E. EROSION CONTROL) MEASURES BEGIN.
3. CONTRACTOR SHALL PROVIDE A FOREMAN OR SUPERINTENDENT WHO IS CERTIFIED UNDER THE FLORIDA STORMWATER, EROSION, AND SEDIMENTATION CONTROL INSPECTOR TRAINING PROGRAM. SAID FOREMAN OR SUPERINTENDENT SHALL BE AVAILABLE IN PERSON OR BY TELEPHONE AT ALL TIMES DURING CONSTRUCTION ACTIVITIES.
4. QUALIFIED INSPECTORS WHO HAVE KNOWLEDGE AND EXPERIENCE IN THE PRINCIPLES AND PRACTICE OF SEDIMENT AND EROSION CONTROL SHALL COMPLETE PROJECT SITE INSPECTIONS:
   a) AT LEAST ONCE EVERY SEVEN (7) DAYS;
   b) WITHIN 24 HOURS AFTER THE END OF A STORM EVENT OF 0.50 INCHES (IN.) OR MORE.
5. COPIES OF ALL NOI'S, NOT'S, REPORTS, PLANS, MONITORING REPORTS, MONITORING INFORMATION, EROSION, SEDIMENTATION AND POLLUTION CONTROL PLANS, RECORDS OF ALL DATA USED TO COMPLETE REPORTS AND ALL OTHER RECORDS RESULTING FROM THE NPDES GENERAL PERMIT SHALL BE RETAINED BY THE CONTRACTOR WHO EITHER PRODUCED OR USED IT FOR A PERIOD OF AT LEAST THREE (3) YEARS FROM THE DATE THAT THE NOT IS SUBMITTED IN ACCORDANCE WITH PART VI OF THE PERMIT. RECORDS SHALL BE MAINTAINED AT THE CONTRACTORS PRIMARY PLACE OF BUSINESS OR AT A DESIGNATED ALTERNATIVE LOCATION ONCE THE CONSTRUCTION ACTIVITY HAS CEASED AT THE SITE.
6. CONTRACTOR SHALL PROVIDE COPIES OF ALL STORMWATER POLLUTION PREVENTION PLAN (SWPPP) RECORDS TO THE OWNER OR THE OWNER'S DESIGNATED REPRESENTATIVE BY THE 10TH DAY OF EACH MONTH FOR THE IMMEDIATELY PRECEDING MONTH.

CRITICAL AREAS

THERE ARE SEVERAL CRITICAL FEATURES ON THE SITE THAT SHALL NOT BE IMPACTED BY CONSTRUCTION ACTIVITIES OR EROSION AND SEDIMENTATION RESULTING FROM SAME. THEY ARE AS FOLLOWS: THE WATERS OF DESTIN HARBOR AND THE WATERS OF EAST PASS.

GENERAL NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AN NPDES CONSTRUCTION PERMIT PRIOR TO CONSTRUCTION ACTIVITIES AND FOR COMPLIANCE WITH ALL STATE, LOCAL, AND FEDERAL PERMITS RELATED TO THIS PROJECT.
2. THE EROSION CONTROL MEASURES SET FORTH IN THESE PLANS ARE INTENDED AS MINIMUM STANDARDS. ALL EROSION CONTROL REQUIRED SHALL BE IN ACCORDANCE WITH THE SWPPP. CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF ALL EXPOSED AREAS, COST OF WHICH SHALL BE INCIDENTAL TO THE PROJECT.
3. PRIOR TO THE REQUIRED PRE-CONSTRUCTION MEETING, CONTRACTOR SHALL PROVIDE IN WRITING THE NAME AND TELEPHONE NUMBER OF THE STORMWATER CONTROL OFFICER TO CITY OF DESTIN PLANNING AND DEVELOPMENT SERVICES.
4. THE STORMWATER CONTROL OFFICER SHALL BE RESPONSIBLE FOR CONTINUALLY MONITORING WEATHER CONDITIONS AND EVALUATING THE EFFECTIVENESS OF THE CONTROL MEASURES THROUGHOUT ALL PHASES OF CONSTRUCTION.
5. AS CONSTRUCTION PROGRESSES, THE STORMWATER CONTROL OFFICER SHALL MAKE ADJUSTMENTS AND/OR INSTALL ADDITIONAL MEASURES TO PREVENT DIRECT FLOW OR TRACKING OF SEDIMENTS ONTO ADJACENT PROPERTY, CONSERVATION AREAS, PUBLIC STREETS OR DRAINAGE SYSTEMS.
6. TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES SHALL BE PLACED ADJACENT TO ANY WATERWAY OR DRAINAGE FEATURE PRIOR TO CONSTRUCTION AND REMAIN IN PLACE UNTIL CONSTRUCTION OF THE FEATURE IS COMPLETE AND ALL AREAS ARE SUITABLY STABILIZED.
7. CONTRACTOR SHALL REVISE THE SWPPP WITHIN SEVEN (7) CALENDAR DAYS FOLLOWING AN INSPECTION WHEN ADDITIONS AND/OR MODIFICATIONS TO BEST MANAGEMENT PRACTICES (BMPS) ARE NECESSARY TO CORRECT OBSERVED PROBLEMS. REVISIONS SHALL OCCUR WHENEVER:
   a) A CHANGE IN THE DESIGN, CONSTRUCTION, OPERATION OR MAINTENANCE AT THE CONSTRUCTION SITE HAS A SIGNIFICANT EFFECT ON THE DISCHARGE OF POLLUTANTS TO THE WATERS OF THE UNITED STATES NOT PREVIOUSLY ADDRESSED IN THE DOCUMENT;
   b) DISCHARGES ARE CAUSING WATER QUALITY EXCEEDANCES, AS DEFINED BY THE EPA, OR THE BMPS ARE INEFFECTIVE IN MINIMIZING POLLUTANTS IN STORMWATER DISCHARGING FROM THE CONSTRUCTION SITE.
8. EROSION CONTROL MEASURES SHALL REMAIN IN PLACE AT LOCATIONS SHOWN IN THE PLANS OR AS REQUIRED UNTIL CONSTRUCTION IS COMPLETED, SOILS ARE STABILIZED AND VEGETATION HAS BEEN ESTABLISHED. ALL EROSION CONTROL MEASURES ARE THEN TO BE REMOVED UPON APPROVAL BY THE OWNER OR THE OWNER'S DESIGNATED REPRESENTATIVE.
9. EROSION CONTROL ITEMS ARE ESTIMATED FOR PREVENTION, CONTROL, AND ABATEMENT OF EROSION, SEDIMENTATION AND WATER POLLUTION. THESE ITEMS ARE TO BE USED AT LOCATIONS DESCRIBED IN THE APPROVED SWPPP OR AS DIRECTED BY THE OWNER OR THE OWNER'S DESIGNATED REPRESENTATIVE TO COMPLY WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS.
10. ANY SEDIMENTS, GRAVEL OR MUD SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ADJACENT PROPERTY, ROADWAYS OR INTO STORM DRAINAGE SYSTEMS SHALL BE RECOVERED AND DISPOSED OF PROPERLY.
11. SWEEPING THE PERIMETER ROADS SHALL BE REQUIRED AS NEEDED TO REMOVE ANY DEBRIS OR SEDIMENT RESULTING FROM PROJECT ACTIVITIES OR AT THE DIRECTION OF REGULATORY AGENCIES INSPECTING THE PROJECT.
12. ADDITIONAL SEDIMENT AND EROSION CONTROL MEASURES MAY BE REQUIRED DURING ANY PHASE OF DEVELOPMENT AT THE DISCRETION OF REGULATORY AGENCIES INSPECTING THE PROJECT.
13. CONTRACTOR SHALL NOT BRING ANY HAZARDOUS MATERIALS ONTO THE PROJECT. SHOULD CONTRACTOR REQUIRE SUCH FOR PERFORMING THE CONTRACTED WORK, CONTRACTOR SHALL REQUEST, IN WRITING, WRITTEN PERMISSION FROM THE OWNER OR THE OWNER'S DESIGNATED REPRESENTATIVE. CONTRACTOR SHALL PROVIDE THE OWNER OR THE OWNER'S DESIGNATED REPRESENTATIVE WITH A COPY OF THE MATERIAL SAFETY DATA SHEET (MSDS) FOR EACH HAZARDOUS MATERIAL PROPOSED FOR USE. SINCE STATE LAW DOES NOT TREAT PETROLEUM PRODUCTS THAT ARE PROPERLY CONTAINERIZED AND INTENDED FOR EQUIPMENT USE AS A HAZARDOUS MATERIAL, SUCH PRODUCTS DO NOT NEED THE MSDS SUBMITTAL. ANY KNOWN OR SUSPECTED HAZARDOUS MATERIAL FOUND ON THE PROJECT BY CONTRACTOR SHALL BE IMMEDIATELY REPORTED TO THE OWNER OR THE OWNER'S DESIGNATED REPRESENTATIVE AND WHO SHALL PROTECT THE AREA OF KNOWN OR SUSPECTED CONTAMINATION FROM FURTHER ACCESS. THE OWNER OR THE OWNER'S DESIGNATED REPRESENTATIVE WILL ARRANGE FOR INVESTIGATION, IDENTIFICATION, AND REMEDIATION OF THE HAZARDOUS MATERIAL. CONTRACTOR SHALL NOT RETURN TO THE AREA OF CONTAMINATION UNTIL APPROVAL IS PROVIDED BY THE OWNER OR THE OWNER'S DESIGNATED REPRESENTATIVE; HOWEVER, CONTRACTOR SHALL RE-LOCATE CONSTRUCTION ACTIVITIES TO ANOTHER AREA OF THE PROJECT UNTIL SUCH APPROVAL IS PROVIDED.
14. ALL SOD MATERIALS SHALL BE SUBJECT TO INSPECTION PRIOR TO PLACEMENT. ANY SOD WITH NOXIOUS WEEDS AND GRASSES SHALL BE REJECTED FOR USE ON THE PROJECT. CONTRACTOR SHALL FURNISH THE OWNER OR OWNER'S DESIGNATED REPRESENTATIVE, PRIOR TO INCORPORATION INTO THE PROJECT, A CERTIFICATION FROM THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICE DIVISION OF PLANT INDUSTRY, STATING THAT THE SOD, HAY, STRAW, AND MULCH MATERIALS ARE FREE OF NOXIOUS WEEDS.
15. EQUIPMENT MAINTENANCE AND REPAIR SHALL BE LIMITED TO ONE AREA OF THE PROJECT. AN ADEQUATE NUMBER OF WASTE DISPOSAL RECEPTACLES FOR LIQUID AND SOLID WASTE SHALL BE PROVIDED. WASTE SHALL BE DISPOSED OF PROPERLY OFF-SITE. THE MAINTENANCE AREAS SHALL BE INSPECTED AND CLEANED DAILY. CARE SHALL BE TAKEN THAT ANY OILS, GASOLINE, GREASE, SOLVENTS, AND OTHER POTENTIAL POLLUTANTS SHALL NOT BE WASHED DIRECTLY INTO THE ADJACENT STORMWATER MANAGEMENT FACILITY EITHER DIRECTLY OR INDIRECTLY THROUGH THE STORMWATER CONVEYANCE SYSTEM.
16. A SUFFICIENT NUMBER OF WASTE AND TRASH RECEPTACLES SHALL BE PROVIDED AT ALL TIMES. RECEPTACLES AND OTHER WASTE COLLECTION AREAS SHALL BE KEPT NEAT AND ORDERLY. TRASH CANS AND DUMPSTERS SHALL HAVE COVERS TO PREVENT THE ENTRANCE OF RAINFALL. ALL WASTE MATERIALS SHALL BE COLLECTED WEEKLY AT A MINIMUM AND DISPOSED AT A SUITABLE LANDFILL. TRASH COLLECTION POINTS SHALL BE LOCATED WHERE THEY WILL BE LEAST IMPACTED BY CONCENTRATED STORMWATER RUNOFF.
17. DUST CONTROL TECHNIQUES SHALL BE USED DURING DEMOLITION WHERE LARGE AMOUNTS OF DUST ARE GENERATED. IF WATER OR SLURRY IS USED TO CONTROL DUST, IT SHALL BE RETAINED ON THE SITE AND NOT BE ALLOWED TO ENTER THE CONVEYANCE SYSTEM, THE ADJACENT STORMWATER MANAGEMENT FACILITY OR WATERWAYS.
18. DUMP TRUCKS, CONCRETE TRUCKS AND OTHER CONSTRUCTION EQUIPMENT SHALL NOT BE WASHED AT LOCATIONS WHERE RUNOFF WILL FLOW DIRECTLY INTO THE ADJACENT STORMWATER MANAGEMENT FACILITY OR STORMWATER CONVEYANCE SYSTEM. AN AREA SHALL BE DESIGNATED BY THE CONTRACTOR FOR WASHING VEHICLES AND WILL BE LOCATED WHERE THE WASH WATER WILL SPREAD OUT AND EVAPORATE OR INFILTRATE DIRECTLY INTO THE GROUND OR WHERE THE RUNOFF CAN BE COLLECTED IN A TEMPORARY HOLDING OR SEEPAGE BASIN. WASH AREAS SHALL HAVE GRAVEL BASES TO MINIMIZE MUD GENERATION.
19. AN ISOLATED AREA SHALL BE DESIGNATED TO STORE CHEMICALS, CEMENTS, SOLVENTS, PAINTS, OR OTHER POTENTIAL WATER POLLUTANTS. THE AREA SHALL BE SO LOCATED AS TO ELIMINATE RUNOFF POLLUTION. TOXIC CHEMICALS AND MATERIALS, SUCH AS PESTICIDES, PAINTS, AND ACIDS SHALL BE STORED ACCORDING TO THE MANUFACTURER'S GUIDELINES. CARE SHALL BE TAKEN IN THE USE OF THESE MATERIALS TO AVOID ACCIDENTAL SPILLS. CONTAINERS OF CONSTRUCTION MATERIALS SHALL NOT BE WASHED IN OR NEAR THE ADJACENT STORMWATER MANAGEMENT FACILITY OR THE STORMWATER CONVEYANCE SYSTEM. GROUNDWATER RESOURCES SHALL BE PROTECTED BY THE USE OF PLASTIC MATS, TAR PAPER OR OTHER IMPERVIOUS MATERIALS ON ANY GROUND SURFACE WHERE TOXIC LIQUIDS ARE TO BE OPENED AND STORED.
20. ADEQUATE SANITARY FACILITIES SHALL BE PROVIDED DURING ALL CONSTRUCTION PHASES FOR WORKERS ACCORDING TO APPLICABLE HEALTH AND SAFETY PRACTICES AND REGULATIONS. SANITARY FACILITIES SHALL BE LOCATED AWAY FROM INLETS AND THE ADJACENT STORMWATER MANAGEMENT FACILITY TO AVOID ACCIDENTAL SPILLS INTO THE STORMWATER SYSTEM.

CONSTRUCTION SCHEDULE

THE PROJECT WILL BE CONSTRUCTED IN A SINGLE PHASE, WITH A CONSTRUCTION START OF JUNE 1, 2025. CONSTRUCTION IS EXPECTED TO BE COMPLETE BY JANUARY 31, 2026 WITH DURATION OF 245 DAYS.

BEST MANAGEMENT PRACTICES

THE FOLLOWING BMPS SHALL BE USED TO CONTROL SEDIMENTATION AND EROSION DURING THE PROJECT:

1. A SOIL TRACKING PREVENTION DEVICE SHALL BE PROVIDED TO PREVENT THE TRACKING OF SOILS FROM THE SITE ONTO THE ADJACENT ROADWAYS.
2. ROCK BARRIERS FOR INLET PROTECTION FOR DITCH BOTTOM INLETS SHALL BE USED THROUGHOUT THE PROJECT WHEREVER THERE ARE EXISTING OR NEWLY CONSTRUCTED DITCH BOTTOM INLETS.
3. VEGETATIVE COVERS, BOTH TEMPORARY AND PERMANENT SHALL BE USED TO STABILIZE DISTURBED SOIL THROUGHOUT THE PROJECT.
4. PERMANENT OUTLET PROTECTION SHALL BE PROVIDED AT PROPOSED OUTFALLS AS A PERMANENT PART OF THE CONSTRUCTED STORMWATER FACILITIES. SEE GRADING AND DRAINAGE PLANS FOR ADDITIONAL INFORMATION.
5. SILT FENCE BARRIER SHALL BE USED TO DETER MIGRATION OF SEDIMENTS FROM THE PROJECT SITE INTO THE STORMWATER MANAGEMENT FACILITY NORTH OF THE SITE.

SPECIFICATIONS

SOIL TRACKING PREVENTION DEVICE

1. THE AREA OF THE ENTRANCE SHALL BE CLEARED OF ALL VEGETATION, ROOTS, AND OTHER OBJECTIONABLE MATERIAL.
2. GRAVEL SHALL BE PLACED TO THE SPECIFIED DIMENSIONS.
3. ANY DRAINAGE FACILITIES REQUIRED BECAUSE OF WASHING SHALL BE CONSTRUCTED SO AS TO INTERCEPT SEDIMENT BEFORE IT IS CARRIED OFF-SITE INTO THE STORMWATER CONVEYANCE SYSTEM, OR THE STORMWATER MANAGEMENT FACILITY.
4. IF WASH RACKS ARE USED, THEY SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
5. IF THE ACTION OF THE VEHICLE TRAVELING OVER THE GRAVEL PAD IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF THE MUD, THEN THE TIRES SHALL BE WASHED BEFORE THE VEHICLE ENTERS A PUBLIC ROAD. IF WASHING IS USED, PROVISIONS SHALL BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF-SITE, INTO THE STORMWATER CONVEYANCE SYSTEM OR THE STORMWATER MANAGEMENT FACILITY.

VEGETATIVE COVERS: TEMPORARY SEEDING

1. VEGETATION SHALL BE USED SO THAT DISTURBED AREAS WILL NOT BE DESTABILIZED FOR MORE THAN SEVEN (7) DAYS. SHOULD AREAS REMAIN DISTURBED FOR MORE THAN SEVEN (7) DAYS, THE AREA SHALL BE TEMPORARILY STABILIZED AS OUTLINED BELOW. AFTER SEEDING, EACH AREA SHALL BE MULCHED WITH 4,000 POUNDS (LB.) OF STRAW PER ACRE. IF EXPOSED SLOPES ARE GREATER THAN OR EQUAL TO 5%, THEN AN EROSION BLANKET SUCH AS NORTH AMERICAN GREEN BIONET S75BN SHALL BE UTILIZED UNTIL THE AREA ACHIEVES FINAL STABILIZATION. HYDROMULCH MAY BE USED AS AN ALTERNATIVE.
2. DISTURBED AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE PERMANENTLY CEASED OR ARE TO BE LEFT IDLE FOR MORE THAN 14 DAYS, SHALL BE STABILIZED WITH TEMPORARY SEED, SOD OR PERMANENT VEGETATIVE STABILIZATION METHODS
3. QUICK GROWING/TEMPORARY SEEDING MIXTURE SHALL BE A MIXTURE OF ANNUAL AND PERENNIAL PLANT SPECIES AS OUTLINED BELOW. SEEDING RATES QUOTED ARE BASED ON PURE LIVE SEED.
   a) MARCH–APRIL PLANTING: ANNUAL RYEGRASS AT A RATE OF 10 POUNDS PER 1000 SF
   b) MAY PLANTING: BROWN TOP MILLET AT A RATE OF 10 POUNDS PER 1000SF
   c) JUNE–AUGUST PLANTING: MIX 50% RYE GRAIN AND 50% WINTER WHEAT AT A RATE OF 10 POUNDS PER 1000 SF
   d) SEPTEMBER–OCTOBER PLANTING: ANNUAL RYEGRASS AT A RATE OF 10 POUNDS PER 1000 SF
4. VEGETATION SHALL NOT BE ESTABLISHED ON SLOPES THAT ARE UNSUITABLE DUE TO INAPPROPRIATE SOIL TEXTURE, POOR INTERNAL STRUCTURE OR INTERNAL DRAINAGE, VOLUME OF OVERLAND FLOW, OR EXCESSIVE STEEPNESS, UNTIL MEASURES HAVE BEEN TAKEN TO CORRECT THESE PROBLEMS.
5. SURFACE ROUGHENING: IF THE AREA HAS BEEN RECENTLY LOOSENED OR DISTURBED, NO FURTHER ROUGHENING IS REQUIRED. WHEN THE AREA IS COMPACTED, CRUSTED, OR HARDENED, THE SOIL SURFACE SHALL BE LOOSENED BY DISKING, RAKING, HARROWING, OR OTHER ACCEPTABLE MEANS.
6. LIMING: WHERE SOILS ARE KNOWN TO BE HIGHLY ACID (PH 5.5 AND LOWER), LIME SHALL BE APPLIED AT THE RATE OF TWO TONS OF PULVERIZED AGRICULTURAL LIMESTONE PER AC.
7. FERTILIZER: SHALL BE APPLIED AS 130 LB./AC. OF 16–4–8 (3 LB./1,000 SF) OR EQUIVALENT. GREATER THAN 60% OF THE NITROGEN SHALL BE IN SLOW RELEASE FORM. LIME AND FERTILIZER SHALL BE INCORPORATED INTO THE TOP 2 TO 4 IN. OF THE SOIL.
8. CERTIFIED SEED SHALL BE USED FOR ALL SEEDING.
9. APPLY SEED UNIFORMLY WITH A CYCLONE SEEDER, DRILL, CULTIPACKER SEEDER, OR HYDROSEEDER ON A FIRM, FRIABLE SEEDBED. MAXIMUM SEEDING DEPTH SHALL BE ¼ IN.
10. WHEN HYDROSEEDING, IF A MACHINERY BREAKDOWN OF 30 MINUTES TO 2 HOURS OCCURS, 50% MORE SEED SHALL BE ADDED TO THE TANK, BASED ON THE PROPORTION OF THE SLURRY REMAINING IN THE TANK. BEYOND 2 HOURS, A FULL RATE OF NEW SEED SHALL BE NECESSARY.
11. ALL TEMPORARY SEEDING MUST BE MULCHED IMMEDIATELY UPON COMPLETION OF SEED APPLICATION.
12. NEW SEEDLINGS SHALL BE SUPPLIED WITH ADEQUATE MOISTURE. SUPPLY WATER AS NEEDED, ESPECIALLY LATE IN THE SEASON, IN ABNORMALLY HOT OR DRY WEATHER, OR ON ADVERSE SITES. WATER APPLICATION RATES SHALL BE CONTROLLED TO PREVENT RUNOFF.
13. INSPECT SEEDED AREAS FOR FAILURE AND MAKE NECESSARY REPAIRS AND RESEEDINGS WITHIN THE SAME SEASON, IF POSSIBLE.
14. IF VEGETATIVE COVER IS INADEQUATE TO PREVENT RILL EROSION, OVER-SEED AND FERTILIZE IN ACCORDANCE WITH SOIL TEST RESULTS.
15. SEEDLINGS SHALL BE FERTILIZED ONE YEAR AFTER PLANTING TO INSURE PROPER STAND DENSITY.

VEGETATIVE COVERS: SODDING

1. PRIOR TO SOIL PREPARATION, AREAS TO BE SODDED SHALL BE BROUGHT TO FINAL GRADE IN ACCORDANCE WITH THE APPROVAL PLAN. THESE OPERATIONS SHALL LEAVE AS MUCH TOPSOIL AS POSSIBLE OR REPLACE THE TOPSOIL TO A DEPTH OF 4IN.
2. SOIL TESTS SHALL BE MADE TO DETERMINE THE EXACT REQUIREMENTS FOR LIME AND FERTILIZER. THESE AMENDMENTS SHALL BE SPREAD EVENLY OVER THE AREA TO BE SODDED, AND INCORPORATED INTO THE TOP 3 TO 6 IN. OF THE SOIL BY DISKING, HARROWING, OR OTHER ACCEPTABLE MEANS.
3. PRIOR TO LAYING SOD, THE SOIL SURFACE SHALL BE CLEAR OF TRASH, DEBRIS, ROOTS, BRANCHES, STONES AND CLODS IN EXCESS OF 2 IN. IN LENGTH OR DIAMETER. SOD SHALL NOT BE APPLIED TO GRAVEL OR OTHER NON-SOIL SURFACES.
4. ANY IRREGULARITIES IN THE SOIL SURFACE RESULTING FROM TOPSOIL OR OTHER OPERATIONS SHALL BE FILLED OR LEVELED IN ORDER TO PREVENT THE FORMATION OF DEPRESSIONS OR WATER POCKETS.
5. SOD SHALL BE MACHINE CUT AT A UNIFORM SOIL THICKNESS OF 3/4 IN., PLUS OR MINUS 1/4 IN., AT THE TIME OF CUTTING. THIS THICKNESS SHALL EXCLUDE SHOOT GROWTH AND THATCH.
6. PIECES OF SOD SHALL BE CUT TO THE SUPPLIER'S STANDARD WIDTH AND LENGTH, WITH A MAXIMUM ALLOWABLE DEVIATION IN ANY DIMENSION OF 5%. TORN OR UNEVEN PADS SHALL NOT BE ACCEPTABLE.
7. STANDARD SIZE SECTIONS OF SOD SHALL BE STRONG ENOUGH TO SUPPORT THEIR OWN WEIGHT AND RETAIN THEIR SIZE AND SHAPE WHEN SUSPENDED FROM A FIRM GRASP ON ONE END OF THE SECTION.
8. SOD SHALL NOT BE CUT OR LAID IN EXCESSIVELY WET OR DRY WEATHER.
9. SOD SHALL BE HARVESTED, DELIVERED, AND INSTALLED WITHIN A PERIOD OF 36 HOURS.
10. IRRIGATE AREAS TO BE SODDED WITH A MINIMUM OF 1/2 IN. OF WATER UNLESS RECENT RAINS HAVE PROVIDED EQUIVALENT MOISTURE.
11. THE FIRST ROW OF SOD SHALL BE LAID IN A STRAIGHT LINE WITH SUBSEQUENT ROWS PLACE PARALLEL TO AND BUTTING TIGHTLY AGAINST EACH OTHER. LATERAL JOINTS SHALL BE STAGGERED TO PROMOTE MORE UNIFORM GROWTH AND STRENGTH. CARE SHALL BE EXERCISED TO INSURE THAT SOD IS NOT STRETCHED OR OVERLAPPED AND THAT ALL JOINTS ARE BUTTED TIGHT IN ORDER TO PREVENT VOIDS WHICH WOULD CAUSE DRYING OF THE ROOTS.
12. ON SLOPES 3:1 OR GREATER, OR WHEREVER EROSION MAY BE A PROBLEM, SOD SHALL BE LAID WITH STAGGERED JOINTS AND SECURED BY PEGGING OR OTHER APPROVED METHODS. SOD SHALL BE INSTALLED WITH THE LENGTH PERPENDICULAR TO THE SLOPE (ON THE CONTOUR). BEGIN LAYING SOD AT THE BOTTOM OF THE SLOPE AND WORK UPHILL.
13. AS SODDING OF CLEARLY DEFINED AREAS IS COMPLETED, SOD SHALL BE ROLLED OR TAMPED TO PROVIDE FIRM CONTACT BETWEEN ROOTS AND SOIL.
14. AFTER ROLLING, SOD SHALL BE IRRIGATED TO A DEPTH SUFFICIENT THAT THE UNDERSIDE OF THE SOD PAD AND THE SOIL 4 IN. BELOW THE SOD IS THOROUGHLY WET.
15. SOD SPECIES SHALL BE BERMUDA GRASS.

SILT FENCE BARRIER

1. SILT FENCE FABRIC SHALL BE BELTED SILT RETENTION FENCE BSRF PRIORITY 1 – GREEN BANK
2. POSTS FOR SILT FENCES SHALL BE EITHER 2 X 2 IN. SQUARE OR 1.33 LB. / LINEAR FT. STEEL WITH A MINIMUM LENGTH OF 4 FT. STEEL POSTS SHALL HAVE PROJECTIONS FOR FASTENING WIRE TO THEM.
3. A TRENCH SHALL BE EXCAVATED APPROXIMATELY 2 IN. WIDE AND 8 IN. DEEP AROUND THE OUTSIDE PERIMETER OF THE STAKES.
4. THE FILTER FABRIC SHALL BE STAPLED TO THE WOODEN STAKES, AND 12 IN. OF THE FABRIC SHALL BE EXTENDED INTO THE TRENCH. THE HEIGHT OF THE FILTER BARRIER SHALL BE A MINIMUM OF 24 IN.
5. THE TRENCH SHALL BE BACKFILLED AND THE SOIL COMPACTED OVER THE FILTER FABRIC.

MAINTENANCE AND INSPECTION

ALL BMPS SHALL BE INSPECTED WEEKLY AT A MINIMUM AND AFTER EVERY RAINFALL EVENT EXCEEDING 1/2 IN. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY UPON COMPLETION OF THE INSPECTION. SEDIMENT DEPOSITS SHALL BE REMOVED WHEN THEY REACH APPROXIMATELY ONE-HALF THE HEIGHT OF ANY SEDIMENT FILTER OR BARRIER. SUCH DEPOSITS SHALL BE DISPOSED OF IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.

SOIL TRACKING PREVENTION DEVICE

1. THE ENTRANCE(S) SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS OF WAY.
2. TOP DRESS THE ENTRANCE PERIODICALLY WITH 2-IN. TO 4-IN. STONE AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEAN OUT WHEN VOID SPACES ARE FULL OF SEDIMENT.
3. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.
4. SWEEP THE PAVED ROAD DAILY FOR SEDIMENTS AND STONES.
5. SOIL TRACKING PREVENTION DEVICE SHALL BE REMOVED PRIOR TO FINAL INSPECTION

ROCK BARRIERS FOR INLET PROTECTION

1. DITCH BOTTOM INLETS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL EVENT OF 1/2 IN. OR GREATER AND REPAIRS MADE AS NEEDED. INSPECT FOR CUT, ABRASIONS, AND PROPER INSTALLATION AND REPLACE OR RE-POSITION AS NECESSARY.
2. ROCK BARRIERS FOR INLET PROTECTION SHALL BE REMOVED WHEN ALL AREAS WITHIN THE DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.

VEGETATIVE COVERS: TEMPORARY SEEDING

1. INSPECT THE VEGETATED AREAS WEEKLY FOR SIGNS OF POOR OR NO GERMINATION AND INDICATIONS OF EROSION.
2. AREAS WHICH FAIL TO ESTABLISH VEGETATIVE COVER ADEQUATELY TO PREVENT RILL EROSION SHALL BE FILLED IN WITH PROPER TOPSOIL AND RE-SEEDED AS SOON AS SUCH AREAS ARE IDENTIFIED.
3. AREAS WHERE SEEDING HAS BEEN ESTABLISHED SHALL BE MOWED A MINIMUM OF EVERY TWO (2) WEEKS.

VEGETATIVE COVERS: SODDING

1. INSPECT THE VEGETATED AREAS WEEKLY FOR SIGNS OF POOR OR NO GERMINATION AND INDICATIONS OF EROSION.
2. AREAS WHICH FAIL TO ESTABLISH VEGETATIVE COVER ADEQUATELY TO PREVENT RILL EROSION SHALL BE FILLED IN WITH PROPER TOPSOIL AND RE-SODDED AS SOON AS SUCH AREAS ARE IDENTIFIED.
3. AREAS WHERE SODDING HAS BEEN ESTABLISHED SHALL BE MOWED A MINIMUM OF EVERY TWO (2) WEEKS.

SILT FENCE BARRIER

1. SILT FENCE BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL EVENT OF 1/2 IN. OR GREATER AND AT LEAST DAILY DURING PROLONGED RAINFALL EVENTS. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
2. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED OR SODDED. INLET PROTECTION SHALL BE INSPECTED AND GEO-TEXTILE FABRIC SHALL BE CHANGED AS NEEDED TO ALLOW POSITIVE FLOW.
3. SHOULD THE FABRIC ON A SILT FENCE DECOMPOSE OR BECOME INEFFECTIVE BEFORE THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER STILL BE NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY.

CONTRACTOR CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND, AND SHALL COMPLY WITH, THE TERMS AND CONDITIONS OF THE STATE OF FLORIDA GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES AND THIS SWPPP PREPARED THERE UNDER.

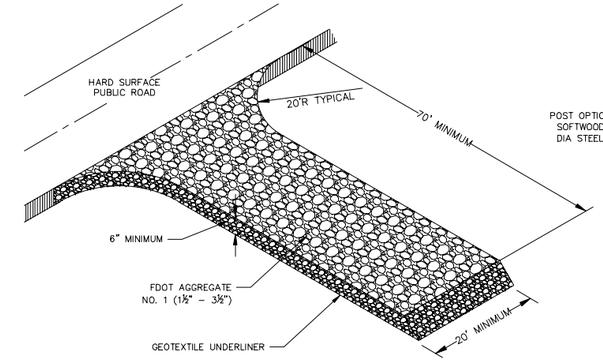
_____ _____ _____

CONTRACTOR DATE

CONTRACTOR SHALL CONTROL EROSION WITHIN THE PROJECT LIMITS SUCH THAT THERE ARE NO NEGATIVE IMPACTS DOWNSTREAM OF THE PROJECT DUE TO UNCONTROLLED EROSION OR SEDIMENTATION.

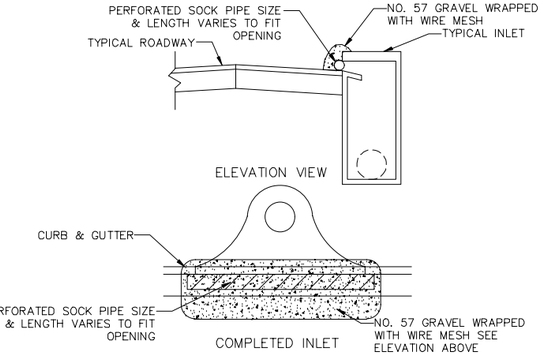
SHOULD ADDITIONAL BMPS BE REQUIRED TO CONTROL EROSION AND SEDIMENTATION FROM THE SITE, THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH A SUPPLEMENTARY STORMWATER POLLUTION PROTECTION PLAN WITH APPROPRIATE BMPS PLACED AS NEEDED.

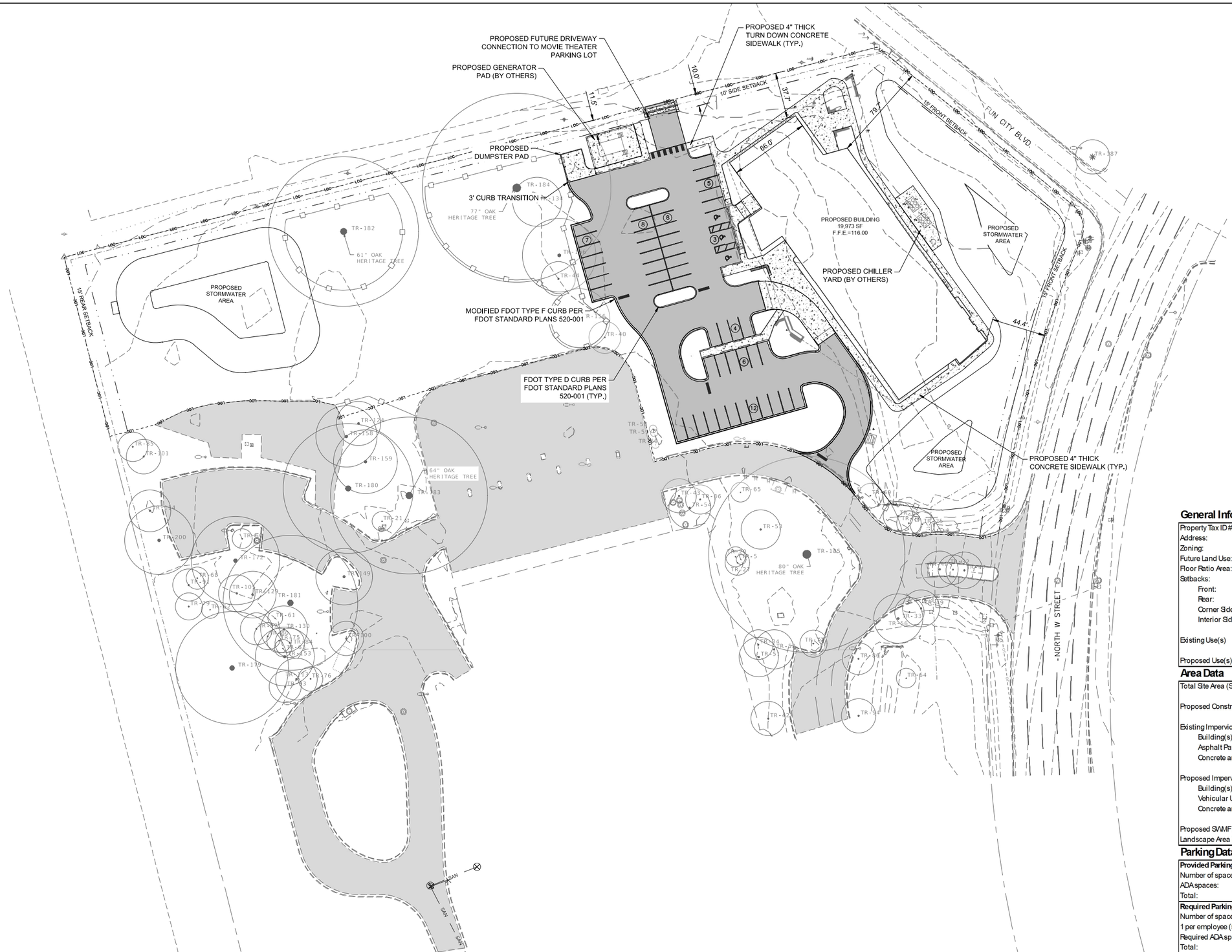
CONTRACTOR SHALL BE RESPONSIBLE FOR THE ESCAPE OF SEDIMENT FROM THE SITE AND SHALL BE HELD RESPONSIBLE FOR ANY AND ALL IMPACTS RESULTING FROM SUCH EVENTS. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF DOWNSTREAM IMPACTS DUE TO THE RELEASE OF SEDIMENTS FROM THE SITE INCLUDING BUT NOT LIMITED TO SEDIMENTATION AND EROSION THAT MAY RESULT FROM THE BUILDUP OF SUCH SEDIMENTS DOWNSTREAM OF THE PROJECT. CONTRACTOR SHALL FULLY BEAR THE FINANCIAL COST OF ANY PENALTIES OR FINES RESULTING FROM SUCH EVENTS.



CONSTRUCTION ENTRANCE DETAIL

N.T.S.


PERFORATED SOCK PIPE SIZE
& LENGTH VARIES TO FIT
OPENING
TYPICAL ROADWAY
NO. 57 GRAVEL WRAPPED
WITH WIRE MESH
TYPICAL INLET



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SCALE IN FEET

LEGEND

- PROPOSED VEHICLE USE AREA
- EXISTING VEHICLE USE AREA
- PROPOSED CONCRETE PAVEMENT/SIDEWALK

NOTES:

1. THE SUBJECT PROPERTY AS SHOWN HEREON IS LOCATED IN FLOOD ZONE X, (MINIMAL RISK AREAS OUTSIDE THE 1-PERCENT AND .2 PERCENT-ANNUAL-CHANCE-FLOOD-BASINS, NO BFES OR BASE FLOOD DEPTHS ARE SHOWN WITHIN THESE ZONES), AS DETERMINED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP OF ESCAMBIA COUNTY, FLORIDA, COMMUNITY 120080, FIRM MAP PANEL NUMBERS 12033C0360G, MAP REVISION DATED SEPTEMBER 29, 2006.
2. ALL LAND SHALL REMAIN VEGETATED AND IN ITS NATURAL STATE UNTIL SUCH TIME AS DRC SITE PLAN, PLAT, AND ANY ADDITIONAL PERMITTING APPROVALS ALLOW FOR ADDITIONAL LAND DISTURBING ACTIVITIES, PER CODE. ALL TREE REMOVAL, LAND CLEARING, PLACEMENT OF FILL MATERIALS, OR OTHER LAND DISTURBING ACTIVITIES, ETC. SHALL BE PERMITTED OR OTHERWISE APPROVED BY THE COUNTY PRIOR TO INITIATION.

SITE DATA

General Information

Property Tax ID #(s):	39-1S-30-1106-000-002
Address:	6575 North W Street
Zoning:	HC/LI Heavy Commercial and Light Industrial
Future Land Use:	C
Floor Ratio Area:	0.108
Setbacks:	
Front:	15 FT
Rear:	15 FT
Corner Side:	10 FT
Interior Side:	10 FT
Existing Use(s)	Vacant
Proposed Use(s)	Emergency Service Facility

Area Data

Total Site Area (SF):	808,361 SF	18.56 AC
Proposed Construction Area (SF):	184,371 SF	4.23 AC
Existing Impervious Areas (SF):	0 SF	0.0 %
Building(s) Footprint:	0 SF	0.0 %
Asphalt Paved Vehicular Use Area:	0 SF	0.0 %
Concrete and Miscellaneous:	0 SF	0.0 %
Proposed Impervious Area (SF):	59,392 SF	32.2 %
Building(s) Footprint:	19,973 SF	10.8 %
Vehicular Use Area:	28,331 SF	15.4 %
Concrete and Misc. Impervious	11,088 SF	6.0 %
Proposed SWMF (SF):	37,342 SF	20.3 %
Landscape Area (SF):	87,637 SF	47.5 %

Parking Data

Provided Parking Spaces:	
Number of spaces	50 spaces
ADA spaces:	3 spaces
Total:	53 spaces
Required Parking Spaces: Emergency Service Facility	
Number of spaces required	
1 per employee (55) + 5/1000 GSF office space:	105 spaces
Required ADA spaces:	5 spaces
Total:	110 spaces

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No.	Date	Issue / Revision

halff
2255 KILLEARN CENTER BLVD.
SUITE 200
TALLAHASSEE, FLORIDA 32309
TEL. (850) 224-4400

AUSTIN D. CUSHING, P.E.
FL 94521

HALFF ASSOCIATES, INC.
2255 KILLEARN CENTER BLVD.
SUITE 200
TALLAHASSEE, FL 32309
CA 33380

FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

SITE PLAN

DWG NO. C108

SHEET NO.

PROPOSED BUILDING
19,973 SF
F.F.E.=116.00

SEE SHEET C116 FOR DETAILED DIMENSION PLAN

SEE SHEET C116 FOR DETAILED DIMENSION PLAN

80" OAK HERITAGE TREE

SCALE IN FEET
0 10 20 40

LEGEND

- PROPOSED VEHICLE USE AREA
- EXISTING VEHICLE USE AREA
- PROPOSED CONCRETE PAVEMENT/SIDEWALK

NOTES:

1. THE SUBJECT PROPERTY AS SHOWN HEREON IS LOCATED IN FLOOD ZONE X, (MINIMAL RISK AREAS OUTSIDE THE 1-PERCENT AND .2 PERCENT-ANNUAL-CHANCE-FLOOD-BASINS, NO BFES OR BASE FLOOD DEPTHS ARE SHOWN WITHIN THESE ZONES), AS DETERMINED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP OF ESCAMBIA COUNTY, FLORIDA, COMMUNITY 120080, FIRM MAP PANEL NUMBERS 12033C0360G, MAP REVISION DATED SEPTEMBER 29, 2006.
2. ALL LAND SHALL REMAIN VEGETATED AND IN ITS NATURAL STATE UNTIL SUCH TIME AS DRC SITE PLAN, PLAT, AND ANY ADDITIONAL PERMITTING APPROVALS ALLOW FOR ADDITIONAL LAND DISTURBING ACTIVITIES, PER CODE. ALL TREE REMOVAL, LAND CLEARING, PLACEMENT OF FILL MATERIALS, OR OTHER LAND DISTURBING ACTIVITIES, ETC. SHALL BE PERMITTED OR OTHERWISE APPROVED BY THE COUNTY PRIOR TO INITIATION.

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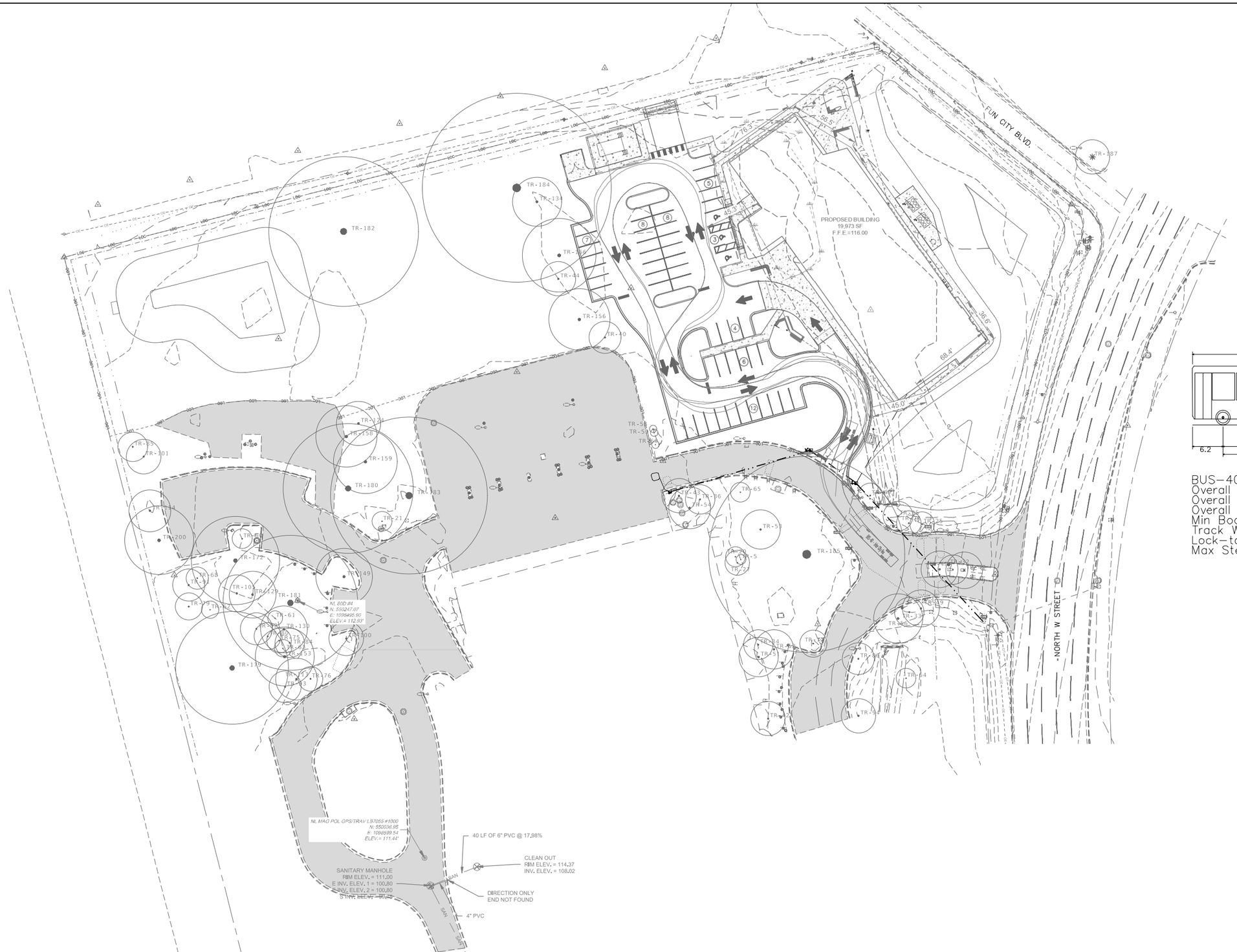
FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

DIMENSIONING PLAN

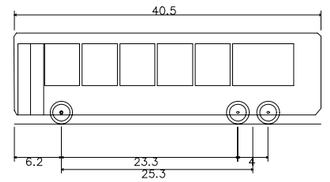
DWG NO. C109

SHEET NO.



LEGEND

TRAFFIC FLOW DIRECTION



BUS-40 – Inter City Bus	
Overall Length	40.500ft
Overall Width	8.500ft
Overall Body Height	12.000ft
Min Body Ground Clearance	1.158ft
Track Width	8.500ft
Lock-to-lock time	5.00s
Max Steering Angle (Virtual)	41.90°

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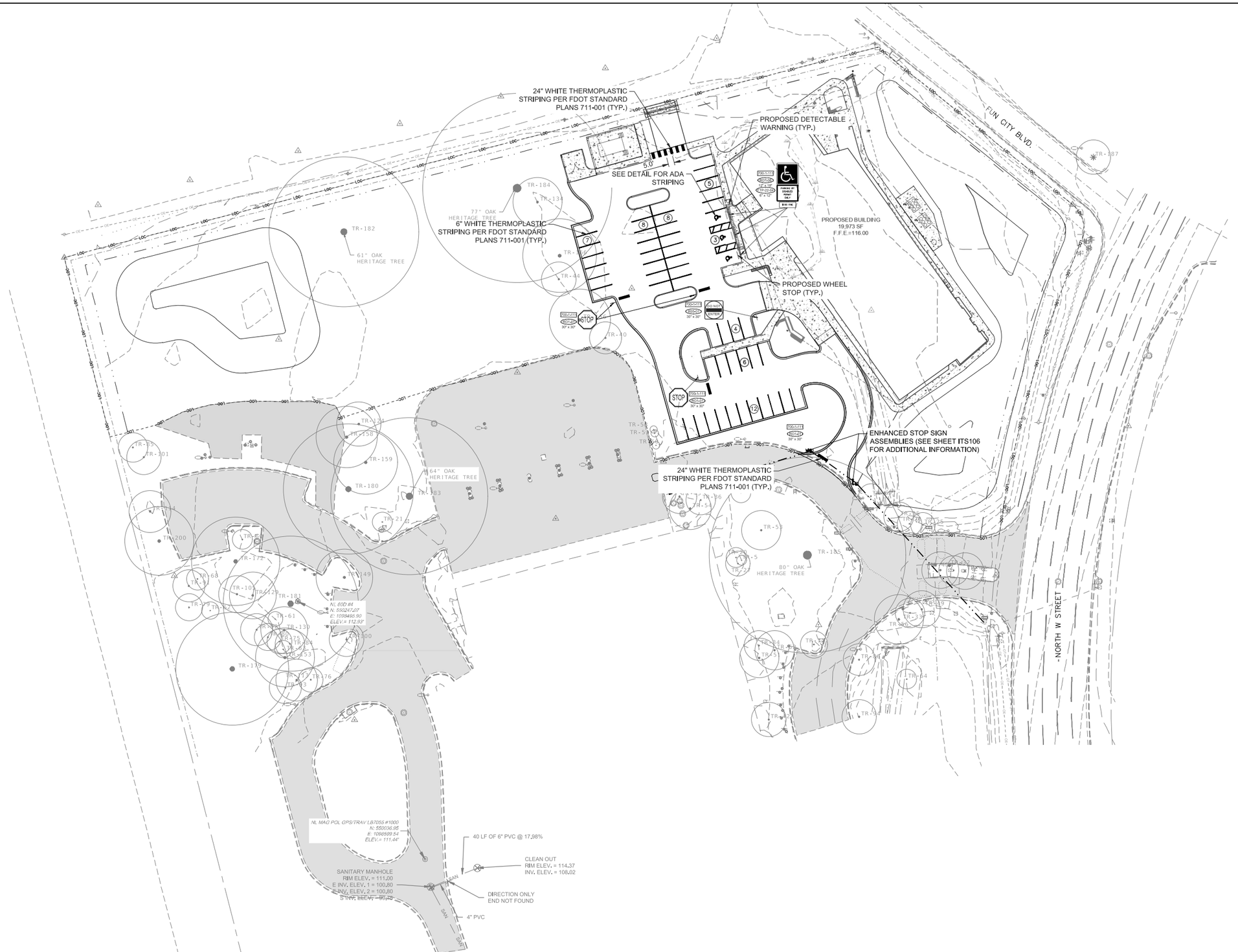
FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

TRAFFIC CIRCULATION PLAN

DWG NO. C110

SHEET NO.



NOTES:

1. ALL SIGNS SHALL BE INSTALLED IN ACCORDANCE WITH FDOT STANDARD PLANS AND SPECIFICATIONS.
2. ALL PROPOSED SIGNAGE WILL REQUIRE A VALID ESCAMBIA COUNTY SIGN PERMIT. CONTRACTOR SHALL COORDINATE WITH THE COUNTY TO OBTAIN THE NECESSARY PERMITS AS NECESSARY.

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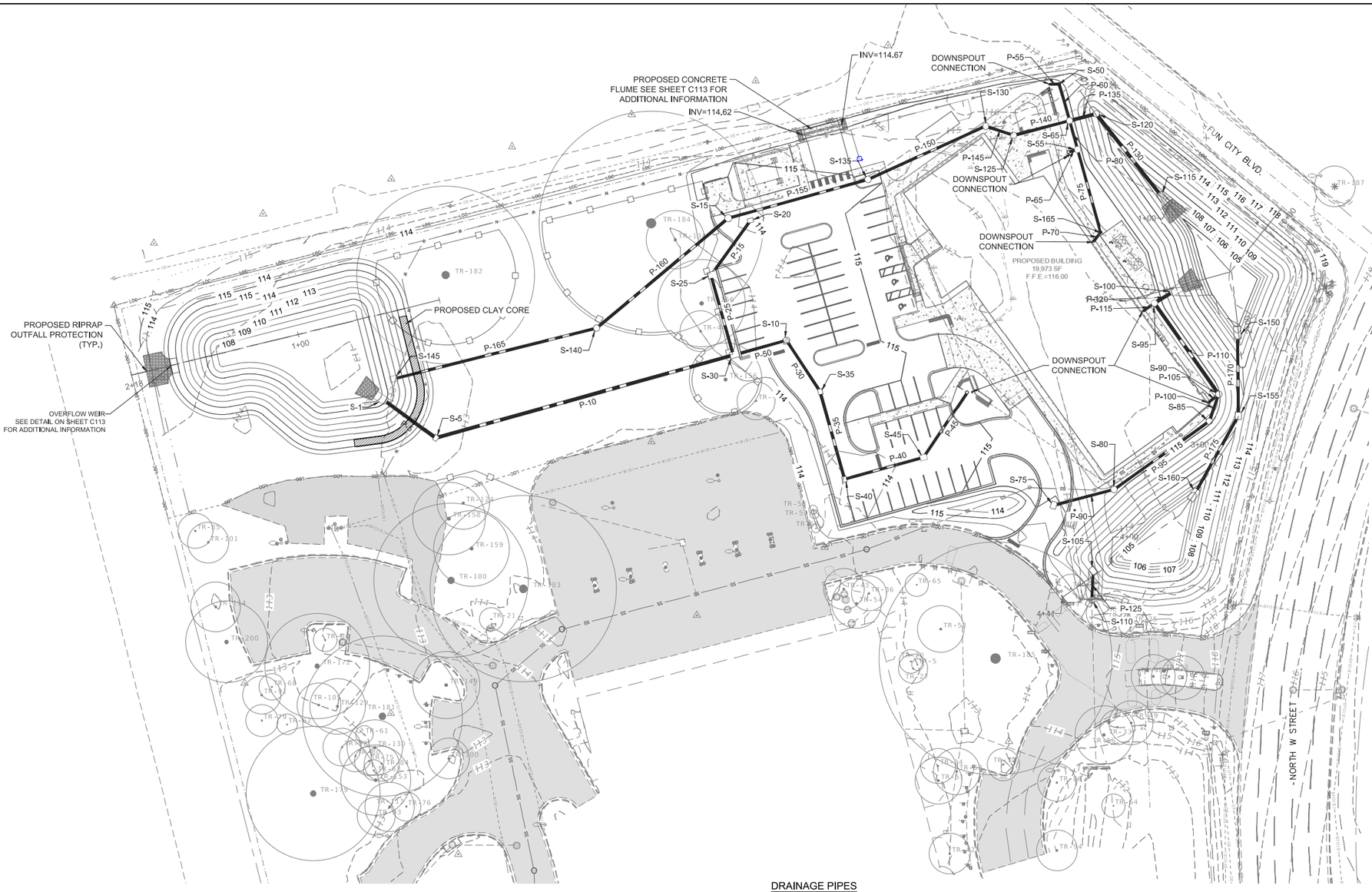
FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

PAVEMENT MARKING AND SIGNAGE PLAN

DWG NO. C111

SHEET NO.



0 20 40 80
SCALE IN FEET

LEGEND

- 115 — PROPOSED MAJOR CONTOUR
- 114 — PROPOSED MINOR CONTOUR
- 115 — EXISTING MAJOR CONTOUR
- 114 — EXISTING MINOR CONTOUR

DRAINAGE STRUCTURES

S-1
FDOT 24" CONC. MES
INV. EL. = 108.00

S-5
FDOT TYPE C DBI
TOP EL. = 112.87
INV. EL. = 108.21 (NW) 24"

S-10
FDOT STORM MANHOLE
TOP EL. = 114,55
INV. EL. = 109,75 (SE) 18"
INV. EL. = 109.75 (W) 18"

S-15
FDOT STORM MANHOLE
TOP EL. = 114,82
INV. EL. = 107.91 (NE) 18"
INV. EL. = 107.91 (SW) 18"

S-20
FDOT TYPE C DBI
TOP EL. = 113,90
INV. EL. = 109,88 (SW) 18"

S-25
FDOT TYPE 1 CURB INLET
TOP EL. = 114,55
INV. EL. = 109.56 (SE) 18"
INV. EL. = 109.56 (NW) 18"

S-30
FDOT TYPE 1 CURB INLET
TOP EL. = 114,55
INV. EL. = 109.56 (N) 18"
INV. EL. = 109.27 (E) 18"
INV. EL. = 109.27 (W) 24"

S-35
FDOT TYPE C DBI
TOP EL. = 114,55
INV. EL. = 109.96 (NW) 18"
INV. EL. = 109.96 (SE) 18"

S-40
FDOT TYPE C DBI
TOP EL. = 113,84
INV. EL. = 110.27 (NW) 18"
INV. EL. = 110.27 (NE) 18"

S-45
FDOT TYPE V INLET
TOP EL. = 114.49
INV. EL. = 110.56 (SW) 18"
INV. EL. = 110.56 (NE) 18"

S-50
24" HDPE DRAIN BASIN
TOP EL. = 114,60
INV. EL. = 111.43 (W) 18"
INV. EL. = 111.43 (SE) 18"

S-55
30" HDPE DRAIN BASIN
TOP EL. = 114,21
INV. EL. = 111.21 (NW) 24"
INV. EL. = 111.21 (SW) 18"
INV. EL. = 111.21 (W) 18"

S-65
FDOT STORM MANHOLE
TOP EL. = 114,15
INV. EL. = 111.15 (W) 18"
INV. EL. = 106.61 (E) 24"
INV. EL. = 106.61 (N) 18"
INV. EL.= 111.15 (S) 18"

S-75
FDOT TYPE V INLET
TOP EL. = 114,71
INV. EL. = 112.24 (NE) 18"

S-80
30" HDPE DRAIN BASIN
TOP EL. = 114,41
INV. EL. = 111.95 (NE) 18"
INV. EL. = 111.95 (SW) 18"

S-85
30" HDPE DRAIN BASIN
TOP EL. = 114,00
INV. EL. = 111.53 (NW) 18"
INV. EL. = 111.53 (SW) 18"

S-90
30" HDPE DRAIN BASIN
TOP EL. = 115,02
INV. EL. = 113.75 (SW) 18"
INV. EL. = 111.47 (SE) 18"
INV. EL. = 111.47 (NW) 24"

S-95
30" HDPE DRAIN BASIN
TOP EL. =114,086
INV. EL. = 111,09 (NE) 24"
INV. EL. = 111.09 (SW) 18"
INV. EL. = 111.09 (SE) 24"

S-100
FDOT 24" CONC. MES
INV. EL. = 111.00

S-105
FDOT TYPE D DBI
TOP EL. = 113,65
INV. EL. = 110.50 (NW) 18"
SLOT EL. = 113.15
ORIFICE INV. EL. = 110.50
ORIFICE INV. EL. = 111.25

S-110
FDOT DOGHOUSE STORM MANHOLE
TOP EL. = 113,50
INV. EL. = 110.34 (SE) 18"

S-115
FDOT 24" CONC. MES
INV. EL. = 106.00

S-120
30" HDPE DRAIN BASIN
TOP EL. = 111,06
INV. EL. = 106.50 (NE) 24"
INV. EL. = 106.50 (NW) 24"

S-125
30" HDPE DRAIN BASIN
TOP EL. = 111,75
INV. EL. = 106.79 (SW) 18"
INV. EL. = 106.79 (SE) 18"

S-130
30" HDPE DRAIN BASIN
TOP EL. = 111,85
INV. EL. = 106.89 (NW) 18"
INV. EL. = 106,89 (NE) 18"

S-135
FDOT STORM MANHOLE
TOP EL. = 114,99
INV. EL. = 107.31 (NE) 18"
INV. EL. = 107.31 (SW) 18"

S-140
FDOT STORM MANHOLE
TOP EL. = 113,38
INV. EL. = 108,42 (W) 18"
INV. EL. = 108,42 (E) 18"

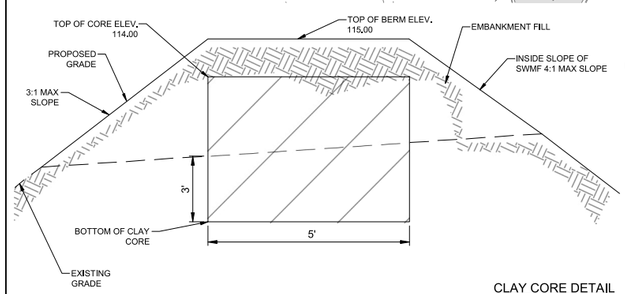
S-145
FDOT TYPE D DBI
TOP EL. = 114,75
SLOT EL. = 113.25
INV. EL. = 109.00 (NW) 18"

S-150
FDOT 18" CONC. MES
INV. EL. = 105.00

S-155
30" HDPE DRAIN BASIN
TOP EL. = 111.95
INV. EL. = 105,00 (N) 18"
INV. EL. = 105.00 (SW) 18"

S-160
FDOT 18" CONC. MES
INV. EL. = 105.00

S-165
30" HDPE DRAIN BASIN
TOP EL. = 115,65
INV. EL. = 111.53 (SW) 18"
INV. EL. = 111,53 (NW) 18"



CLAY CORE DETAIL
N.T.S.

NOTES:
1. THE CLAY CORE, INCLUDING THE KEYWAY, IS TO BE CONSTRUCTED IN THE DRY. THE CONTRACTOR SHOULD EXPECT THE NEED FOR DEWATERING. FURTHER, SOIL MOISTURE CONDITIONING WILL BE NEEDED FOR CONSTRUCTION OF THE CLAY CORE.
2. SOILS USED TO CONSTRUCT THE CLAY CORE ARE TO CONSIST OF NON-ORGANIC, PLASTIC CLAYEY SAND OR SANDY CLAY WITH AN AASHTO CLASSIFICATION OF A-6 (LIQUID LIMIT ≤ 40 AND PLASTICITY INDEX ≥ 11).
3. THE CLAY CORE SHALL BE CONSTRUCTED WITH 6-INCH THICK MAXIMUM LIFTS. COMPACTION IS TO BE ACCOMPLISHED USING A SHEEPSFOOT ROLLER EXERTING A MINIMUM PRESSURE OF 250 PSI ON THE TAMPER FEET TO OBTAIN A MINIMUM QC DENSITY OF 100% OF THE STANDARD PROCTOR MAXIMUM DENSITY WITHIN ± 1% OF THE OPTIMUM MOISTURE.
4. THE SURFACE OF EACH COMPLETED LIFT IS TO BE SCARIFIED/ROUGHENED SEVERAL INCHES TO TIE IN THE NEXT LIFT AND PREVENT THE FORMATION OF A COMPACTION/SEEPAGE JOINT.
5. CLAY CORE SHALL EXTEND TO THE LIMITS SHOWN ON THE GRADING AND DRAINAGE PLAN SHEET C111.

DRAINAGE PIPES

P-5
44 LF 24" RCP @ 0.50%

P-10
213 LF 24" RCP @ 0.50%

P-15
46 LF 18" HDPE @ 0.50%

P-25
57 LF 18" RCP @ 0.50%

P-30
42 LF 18" RCP @ 0.50%

P-35
62 LF 18" RCP @ 0.50%

P-40
56 LF 18" RCP @ 0.50%

P-45
53 LF 18" RCP @ 0.50%

P-50
38 LF 18" HDPE @ 0.52%

P-55
6 LF 18" HDPE @ 33.96%

P-60
26 LF 18" HDPE @ 0.50%

P-65
6 LF 18" HDPE @ 35.47%

P-70
8 LF 18" HDPE @ 32.95%

P-75
59 LF 18" HDPE @ 0.50%

P-80
21 LF 18" HDPE @ 0.53%

P-90
43 LF 18" RCP @ 0.51%

P-95
81 LF 18" HDPE @ 0.51%

P-100
20 LF 18" HDPE @ 0.50%

P-105
9 LF 18" HDPE @ 49.98%

P-110
77 LF 24" HDPE @ 0.50%

P-115
9 LF 18" HDPE @ 51.96%

P-120
15 LF 24" HDPE @ 0.50%

P-125
20 LF 18" HDPE @ 0.50%

P-130
85 LF 24" HDPE @ 0.59%

P-135
19 LF 24" HDPE @ 0.50%

P-140
40 LF 18" HDPE @ 0.50%

P-145
20 LF 18" HDPE @ 0.50%

P-150
89 LF 18" HDPE @ 0.50%

P-155
100 LF 18" RCP @ 0.50%

P-160
118 LF 18" RCP @ 0.44%

P-165
144 LF 18" RCP @ 0.40%

P-170
54 LF 18" HDPE @ 0.00%

P-175
60 LF 18" HDPE @ 0.00%

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FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

GRADING AND DRAINAGE PLAN

DWG NO. C112
SHEET NO.

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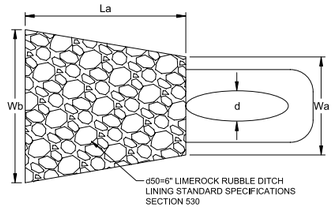
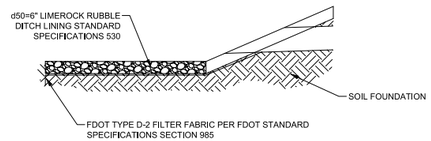
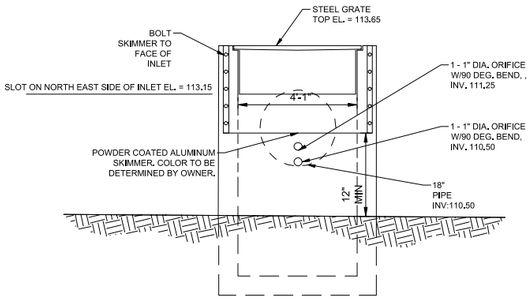


STRUCTURE NO.	d	Wa	La	Wb
S-1	24"	6.0'	12.0'	14.0'
S-100	24"	6.0'	12.0'	14.0'
S-115	24"	6.0'	12.0'	14.0'

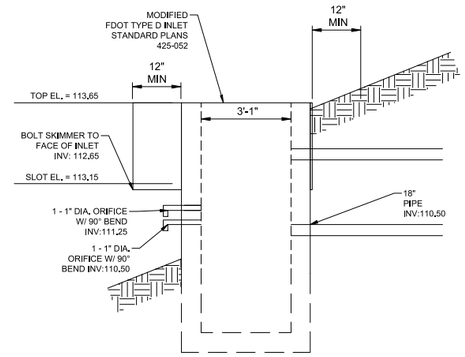


NOTES:
1. RIP-RAP WILL REMAIN AFTER CONSTRUCTION IS COMPLETE FOR ENERGY DISSIPATION.
2. ALL SEDIMENT SHALL BE REMOVED FROM RIP-RAP AFTER CONSTRUCTION IS COMPLETE.

SWMF STORM PIPE RIPRAP PROTECTION
N.T.S.

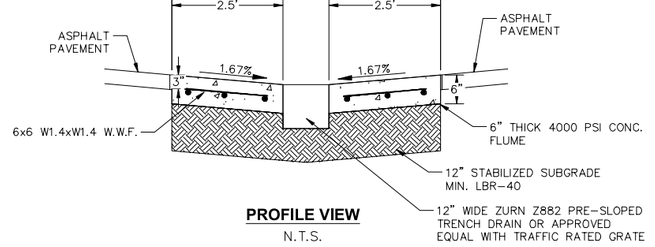


NORTH EAST/SOUTH WEST ELEVATION

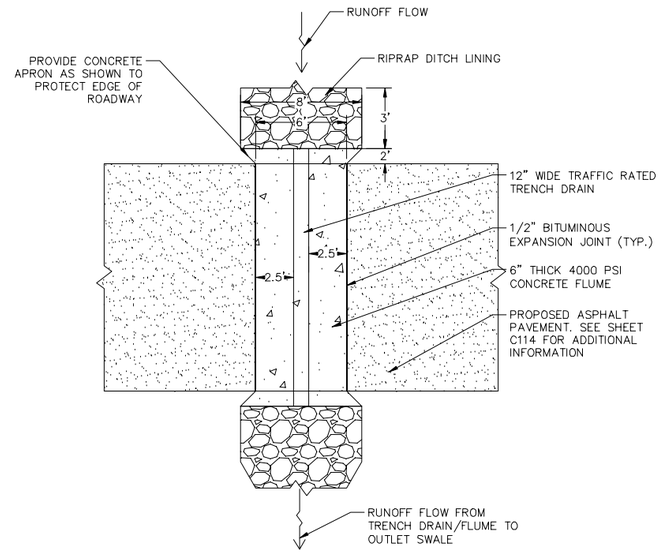


NORTH WEST/ SOUTH EAST ELEVATION

S-105 OUTFALL STRUCTURE
N.T.S.



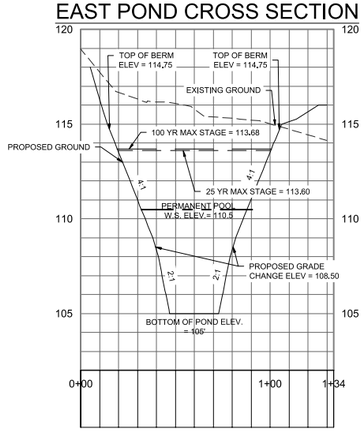
PROFILE VIEW
N.T.S.



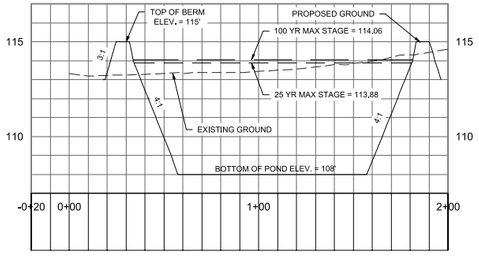
PLAN VIEW
N.T.S.

CONCRETE FLUME DETAIL
N.T.S.

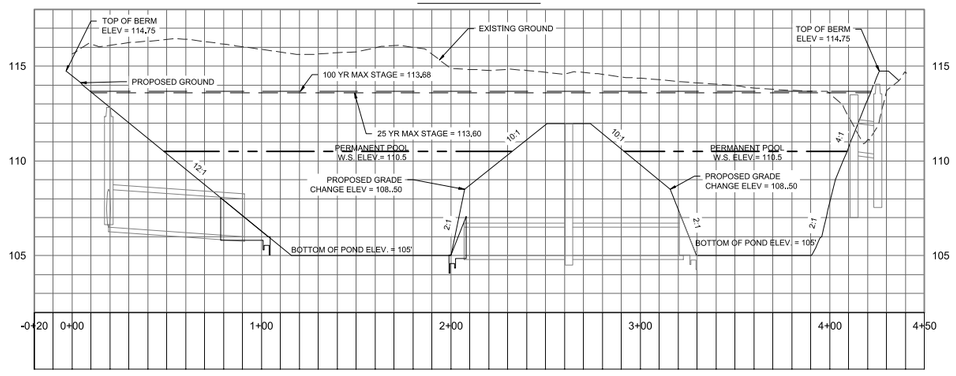
EAST POND CROSS SECTION

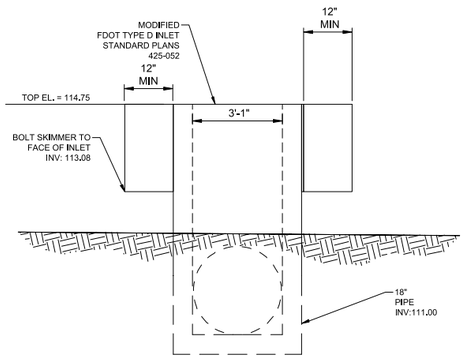


WEST POND

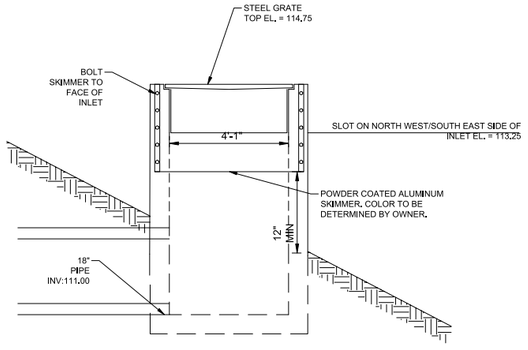


EAST POND





NORTH WEST/ SOUTH EAST ELEVATION



NORTH EAST/SOUTH WEST ELEVATION

S-145 OUTFALL STRUCTURE
N.T.S.

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FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

DRAINAGE DETAILS

DWG NO. C113
SHEET NO.

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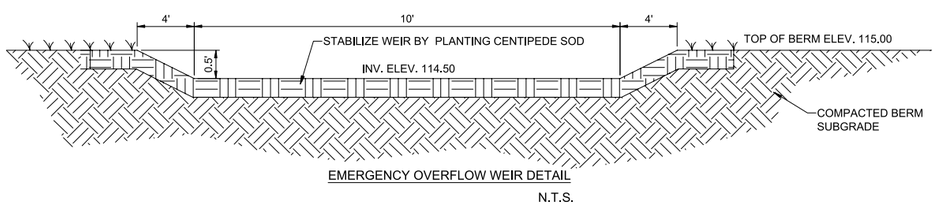
LEGEND

- 115 — PROPOSED MAJOR CONTOUR
- 114 — PROPOSED MINOR CONTOUR
- 115 — EXISTING MAJOR CONTOUR
- 114 — EXISTING MINOR CONTOUR



EMERGENCY OVERFLOW WEIR DETAIL

N.T.S.

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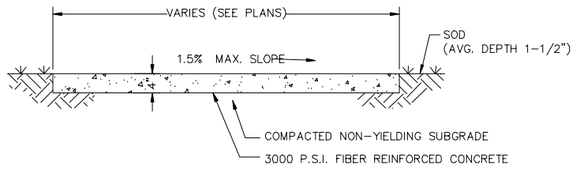
FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

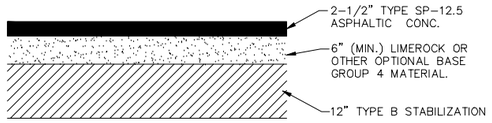
DETAILED GRADING PLAN

DWG NO. C114

SHEET NO.

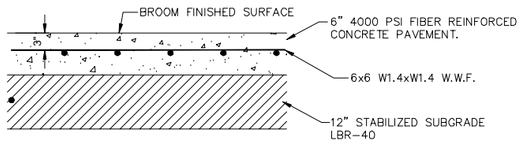


TYPICAL CONCRETE SIDEWALK DETAIL
N.T.S.

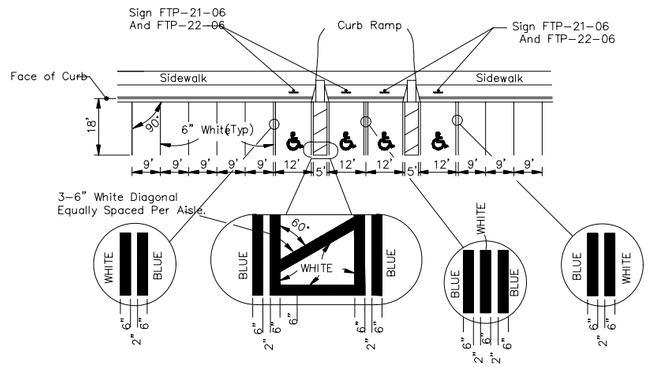


(REFERENCE FDOT STANDARD SPECIFICATIONS)

TYPICAL ASPHALT PAVEMENT DETAIL
N.T.S.



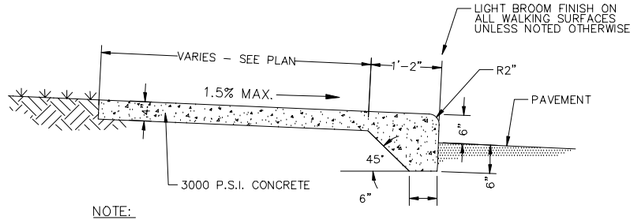
TYPICAL CONCRETE PAVEMENT DETAIL
N.T.S.



TYPICAL PER FDOT STANDARD PLANS INDEX
711-001

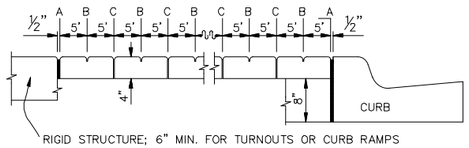
NOTES:
1. DIMENSIONS ARE TO THE CENTERLINE OF MARKINGS.
2. AN ACCESS AISLE IS REQUIRED FOR EACH ACCESSIBLE SPACE WHEN ANGLE PARKING IS USED.
3. CRITERIA FOR PAVEMENT MARKINGS ONLY, NOT PUBLIC SIDEWALK CURB RAMP LOCATIONS. FOR RAMP LOCATIONS REFER TO PLANS.
4. BLUE PAVEMENT MARKINGS SHALL BE TINTED TO MATCH SHADE 15180 OF FEDERAL STANDARDS 595A.
5. THE FTP-22-06 PANAL SHALL BE MOUNTED BELOW THE FTP-21-06 SIGN.

PAVEMENT MARKING FOR PARKING
N.T.S.

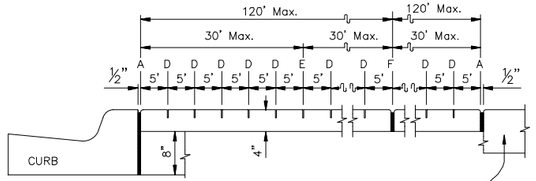


NOTE:
PLACE EXPANSION JOINT AT MAXIMUM OF 10' O.C.

TYPICAL TURNDOWN CONCRETE SIDEWALK DETAIL
N.T.S.



RIGID STRUCTURE; 6" MIN. FOR TURNOUTS OR CURB RAMPS
OPEN JOINTS

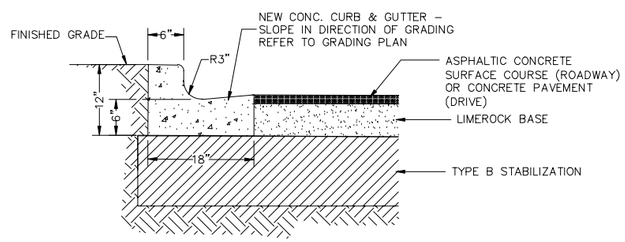


RIGID STRUCTURE; 6" MIN. FOR TURNOUTS OR CURB RAMPS
SAWED JOINTS
LONGITUDINAL SECTION

LEGEND:
A- ½" EXPANSION JOINTS (PREFORMED JOINT FILLER)
B- ⅛" DUMMY JOINTS, TOOLED
C- ⅛" FORMED OPEN JOINTS
D- 3/16" SAW CUT JOINTS, 1½" DEEP (WITHIN 96 HOURS) MAX. 5' CENTERS
E- 3/16" SAW CUT JOINTS, 1½" DEEP (WITHIN 12 HOURS) MAX. 30' CENTERS JOINT(S) REQUIRED WHEN LENGTH EXCEEDS 30'
F- ½" EXPANSION JOINT WHEN RUN OF SIDEWALK EXCEEDS 120'. INTERMEDIATE LOCATIONS WHEN CALLED FOR IN THE PLANS OR AT LOCATIONS AS DIRECTED BY THE ENGINEER.
G- COLD JOINT WITH BOND BREAKER, TOOLED

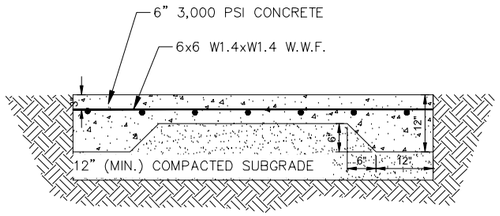
NOTE: REFER TO FDOT STANDARD PLANS 522-001 FOR ADDITIONAL DETAILS

SIDEWALK JOINTS DETAIL
N.T.S.



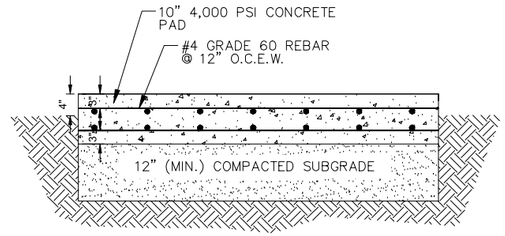
(REFERENCE FDOT STANDARD PLANS (520-001)

FDOT MODIFIED TYPE "F" CURB & GUTTER
N.T.S.



NOTE:
SUBGRADE SHOULD BE COMPACTED TO 95% OF THE MAXIMUM COMPACTION AS DETERMINED BY THE MODIFIED PROCTOR TEST.

CONCRETE DUMPSTER PAD DETAIL
N.T.S.



NOTE:
SUBGRADE SHOULD BE COMPACTED TO 95% OF THE MAXIMUM COMPACTION AS DETERMINED BY THE MODIFIED PROCTOR TEST.

CONCRETE CHILLER YARD AND GENERATOR PAD DETAIL
N.T.S.

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No.	Date	Issue / Revision

halff
2255 KILLEARN CENTER BLVD.
SUITE 200
TALLAHASSEE, FLORIDA 32309
TEL. (850) 224-4400

AUSTIN D. CUSHING, P.E.
FL 94521

HALFF ASSOCIATES, INC.
2255 KILLEARN CENTER BLVD.
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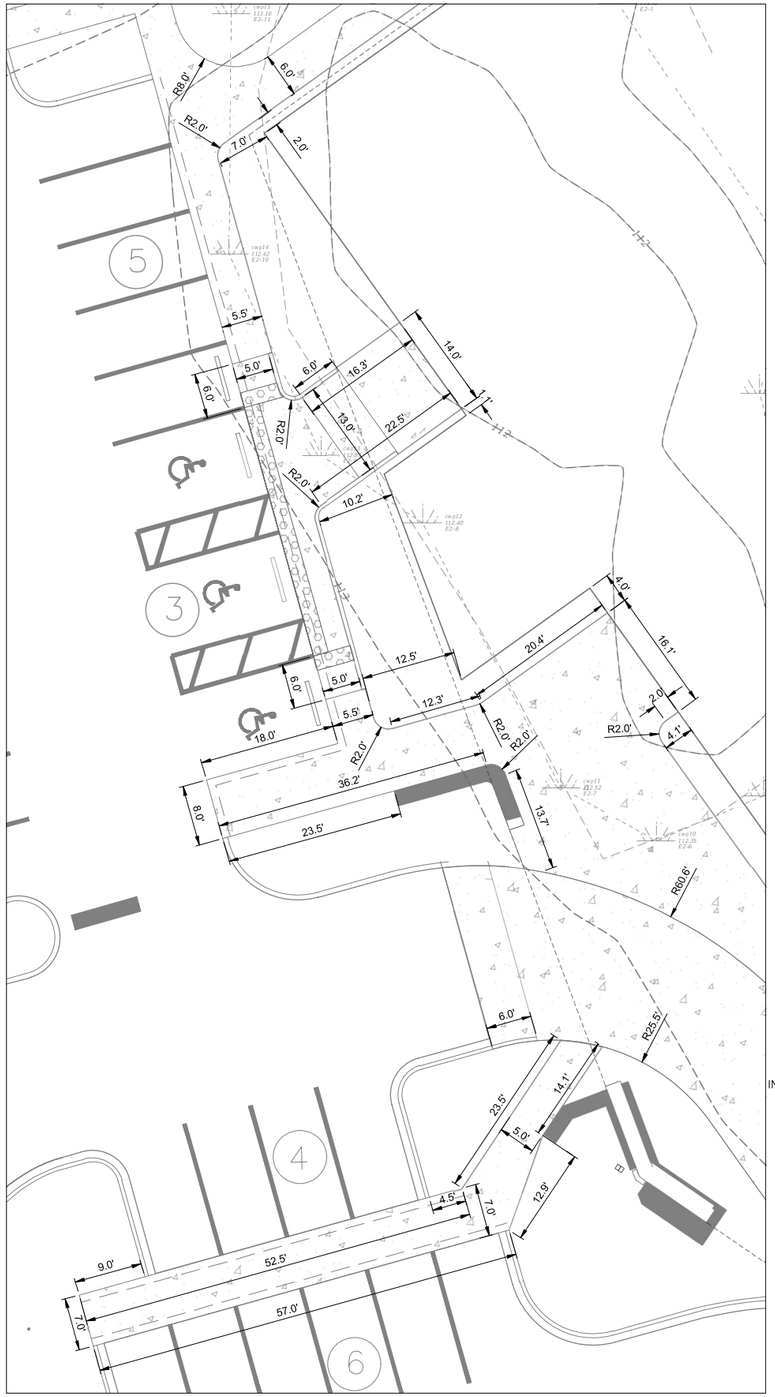
TALLAHASSEE, FL 32309
CA 33380

FLORIDA-ALABAMA TPO

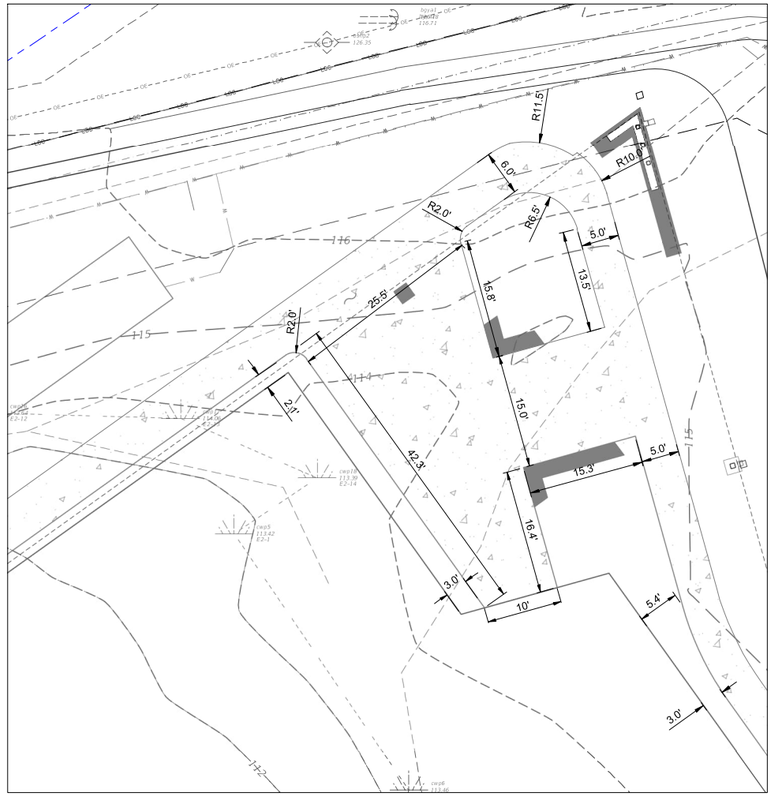
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

CONSTRUCTION DETAILS (1 OF 2)

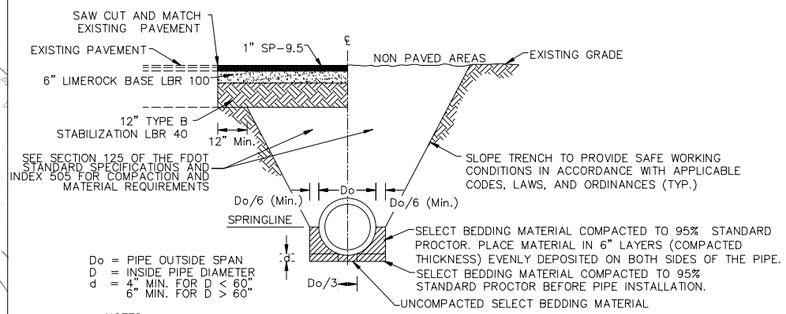
DWG NO. C115
SHEET NO.



DETAILED DIMENSION PLAN
1" = 10'



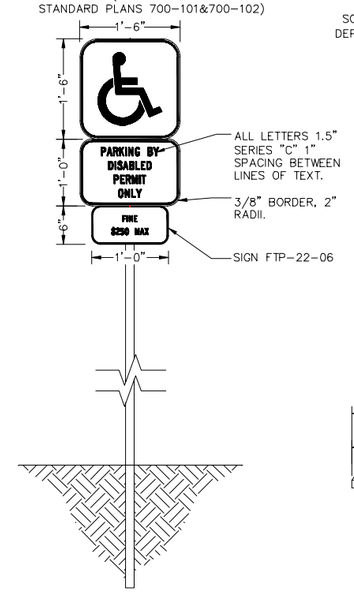
DETAILED DIMENSION PLAN
1" = 10'



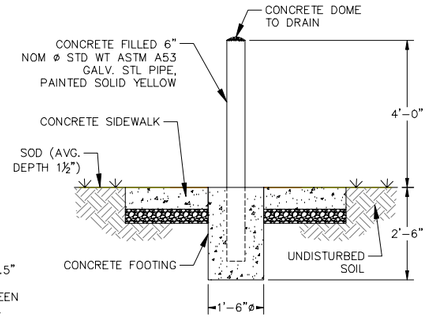
Do = PIPE OUTSIDE SPAN
D = INSIDE PIPE DIAMETER
d = 4" MIN. FOR D < 60"
6" MIN. FOR D > 60"

NOTES:
1. BACKFILL ABOVE THE SPRINGLINE TO BE PLACED IN LIFTS THIN ENOUGH TO ALLOW COMPACTION TO BE ACHIEVED. LIFTS IN EXCESS OF TWELVE INCHES, MEASURED LOOSE, SHALL NOT BE ALLOWED.
2. PIPES TO BE INSTALLED IN DRY TRENCHES, DEWATERED BY WELLPOINTING. OPEN TRENCH PUMPING FOR DEWATERING SHALL NOT BE ALLOWED WITHOUT PRIOR APPROVAL OF THE ENGINEER.
3. IF TRENCH IS OVEREXCAVATED, BACKFILL AND RECOMPACT TO MATCH SURROUNDING DENSITY THEN PLACE SELECT BEDDING MATERIAL AS SHOWN ABOVE.
4. HAND DIG FOR BELL JOINTS. BEARING FROM JOINT TO JOINT WILL NOT BE ALLOWED.
5. BEFORE PLACING SOD IN GRASSED AREAS, PROVIDE A THREE-INCH MINIMUM THICK LAYER OF TOPSOIL THAT IS SUFFICIENTLY LOOSE TO PROMOTE ROOT GROWTH.

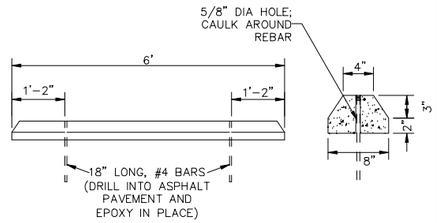
PIPE TRENCH AND ROAD RESTORATION DETAIL
N.T.S.



HANDICAP ACCESS SIGN
N.T.S.



CONCRETE BOLLARD DETAIL
N.T.S.



CONCRETE WHEEL STOP DETAIL
N.T.S.

No.	Date	Issue / Revision

halff
2255 KILLEARN CENTER BLVD.
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CA 33380

FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

CONSTRUCTION DETAILS (2 OF 2)

DWG NO. C116
SHEET NO.

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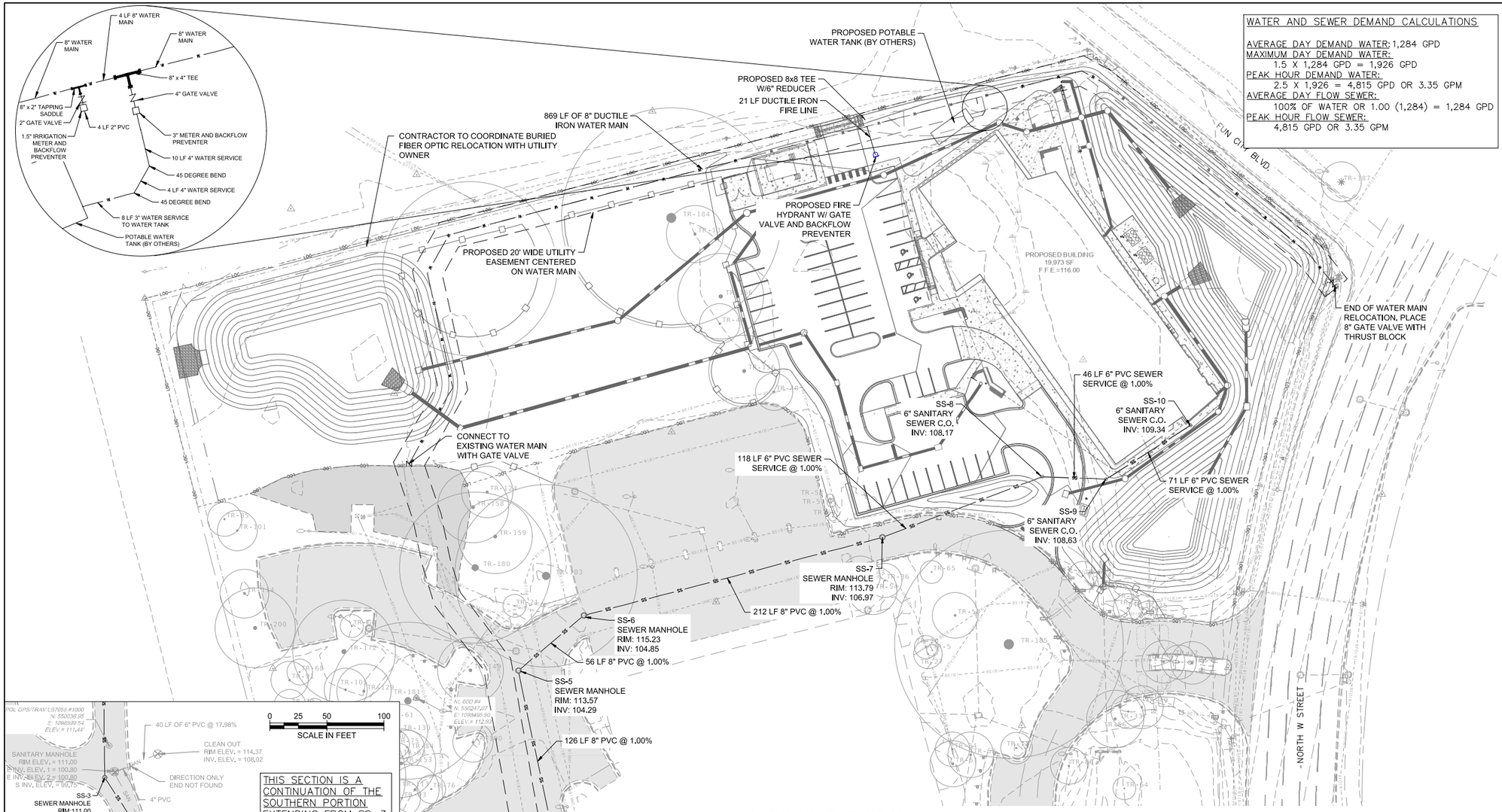

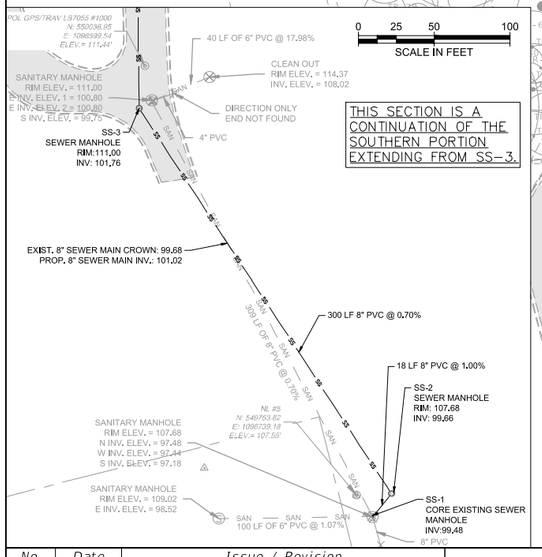

SANITARY SEWER STRUCTURES

SS-1
EXIST. SANITARY SEWER MANHOLE
N: 549739.34
E: 1098749.86
RIM EL. = 111.00
INV. EL. = 97.48 (N) 8" PVC
EXIST. INV. EL. = 97.48 (N) 8" PVC
EXIST. INV. EL. = 97.44 (W) 6" PVC
EXIST. INV. EL. = 97.18 (S) 8" PVC

SS-2
SANITARY SEWER MANHOLE
N: 549754.77
E: 1098762.30
RIM EL. = 107.68
INV. EL. = 99.66 (N) 8" PVC
INV. EL. = 99.66 (S) 8" PVC

SS-3
SANITARY SEWER MANHOLE
N: 550009.08
E: 1098595.79
RIM EL. = 111.00
INV. EL. = 103.03 (N) 8" PVC
INV. EL. = 103.03 (S) 8" PVC

SS-4
SANITARY SEWER MANHOLE
N: 550139.13
E: 1098594.22
RIM EL. = 112.00
INV. EL. = 103.03 (N) 8" PVC
INV. EL. = 103.03 (S) 8" PVC

SS-5
SANITARY SEWER MANHOLE
N: 550266.34
E: 1098567.40
RIM EL. = 113.57
INV. EL. = 104.29 (NE) 8" PVC
INV. EL. = 104.29 (S) 8" PVC

SS-6
SANITARY SEWER MANHOLE
N: 550304.97
E: 1098613.31
RIM EL. = 115.23
INV. EL. = 104.85 (E) 8" PVC
INV. EL. = 104.85 (SW) 8" PVC

SS-7
SANITARY SEWER MANHOLE
N: 550359.86
E: 1098822.72
TOP EL. = 113.79
INV. EL. = 106.97 (E) 6" PVC
INV. EL. = 106.97 (W) 8" PVC

SS-8
6" SANITARY SEWER CLEANOUT
N: 550402.35
E: 1098934.84
TOP EL. = 115.25
INV. EL. = 108.17 (SE) 6" PVC
INV. EL. = 108.17 (SW) 6" PVC

SS-9
6" SANITARY SEWER CLEANOUT
N: 550400.62
E: 1098979.40
TOP EL. = 115.75
INV. EL. = 108.63 (NE) 6" PVC
INV. EL. = 108.63 (NW) 6" PVC

SS-10
6" SANITARY SEWER CLEANOUT
N: 550438.37
E: 1099038.59
TOP EL. = 115.88
INV. EL. = 109.34 (N) 6" PVC
INV. EL. = 109.34 (SW) 6" PVC

WATER AND SEWER DEMAND CALCULATIONS

AVERAGE DAY DEMAND WATER: 1,284 GPD
MAXIMUM DAY DEMAND WATER:
1.5 X 1,284 GPD = 1,926 GPD
PEAK HOUR DEMAND WATER:
2.5 X 1,926 = 4,815 GPD OR 3.35 GPM
AVERAGE DAY FLOW SEWER:
100% OF WATER OR 1.00 (1,284) = 1,284 GPD
PEAK HOUR FLOW SEWER:
4,815 GPD OR 3.35 GPM

*ECUA Engineering Manual Reference Note**

**note shall be inserted in the upper right corner of title sheet*

** applicable only to ECUA infrastructure to be constructed in public ROW or in utility easement; not to be applied to private water/sewer facilities on private property (see Building Code)*

A. ECUA Engineering Manual Incorporated by Reference

The ECUA Engineering Manual, dated December 18, 2014, along with Update # 1 dated September 1, 2016 (hereinafter "Manual"), located at www.ecua.fl.gov, is hereby incorporated by reference into this Project's official contract documents as if fully set forth therein. It is the Contractor's responsibility to be knowledgeable of the Manual's contents and to construct the Project in accordance with the Manual. The Contractor shall provide its employees access to the Manual at all times, via Project site or office, via digital or paper format. In the event of a conflict between the Manual and Plans, Contractor shall consult Engineer of Record for proper resolution.

B. Additional Documents (to be completed by the Engineer of Record)

Does this Project have additional technical specifications or construction details that supplement and/or supersede the Manual listed above? ☐YES NO☐. If yes, Contractor shall construct Project in accordance with said documents as listed and located below: x

Document Name	Document Type		Location	
	Specification	Detail	Plans	Project Manual*
	☐	☐	☐	☐
	☐	☐	☐	☐
	☐	☐	☐	☐
	☐	☐	☐	☐

**Project Manuals used only with ECUA CIP Projects*

C. Engineer of Record Responsibilities

The Engineers of Record (EORs) that have affixed their seals and signatures on these plans warrant their portions of the plans have been designed in accordance with the Manual (unless otherwise directed by the ECUA Project Engineer). The EORs shall be knowledgeable of the Manual's contents and shall assume responsibility for its use on this Project.

LEGEND

- PROPOSED WATER LINE
- PROPOSED SANITARY SEWER
- EXISTING BURIED ELECTRIC
- EXISTING BURIED TELEVISION
- EXISTING BURIED FIBER OPTIC
- EXISTING BURIED TELEPHONE
- EXISTING GEOTHERMAL EXTENTS
- EXISTING UNKNOWN UTILITY
- EXISTING WATER MAIN

NOTES:

1. WATER AND SEWER SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE EMERALD COAST UTILITIES AUTHORITY ENGINEERING MANUAL DATED SEPTEMBER 1, 2016.
2. ALL BYPASS VALVES FOR THE 3" POTABLE WATER SERVICE SHALL BE LOCATED OUTSIDE THE VAULT.

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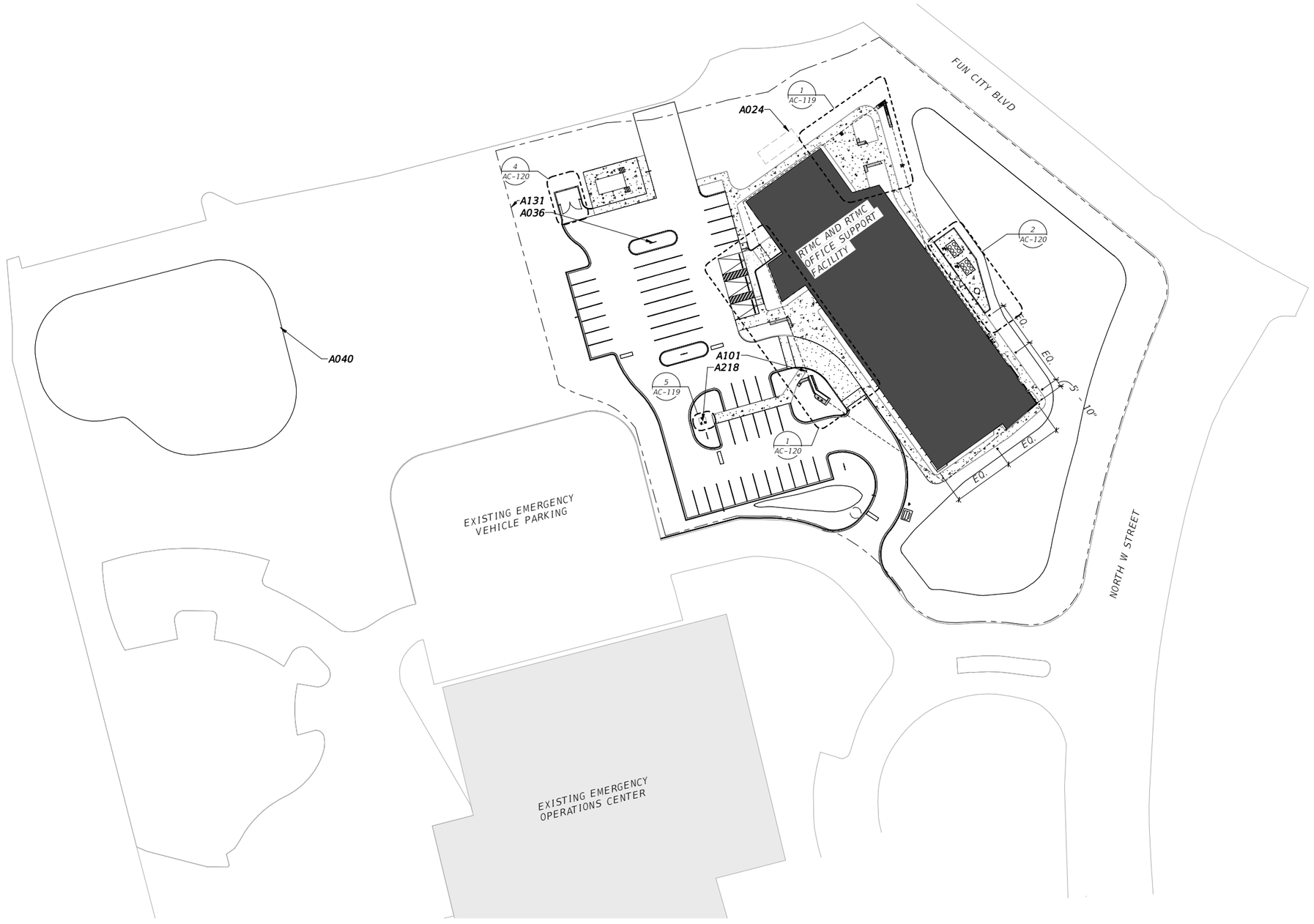
TALLAHASSEE, FL 32309
CA 33380

FLORIDA-ALABAMA TPO		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

UTILITY PLAN

DWG NO. C117
SHEET NO.



1 ARCHITECTURAL SITE PLAN

0' 20' 40' 80'

KEYNOTE LEGEND

NO.	DESCRIPTION
A024	UNDERGROUND WATER STORAGE CONTAINER, REFER TO CIVIL AND PLUMBING
A036	SITE LIGHTING, TYP., REFER TO ELECTRICAL
A040	DRY POND, REFER TO CIVIL
A101	ROOF ABOVE, TYP.
A131	PROPERTY LINE
A218	ALUMINUM FLAGPOLE

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No.	Date	Issue / Revision

ERIC LUTTMANN, AIA
AR 97111

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607

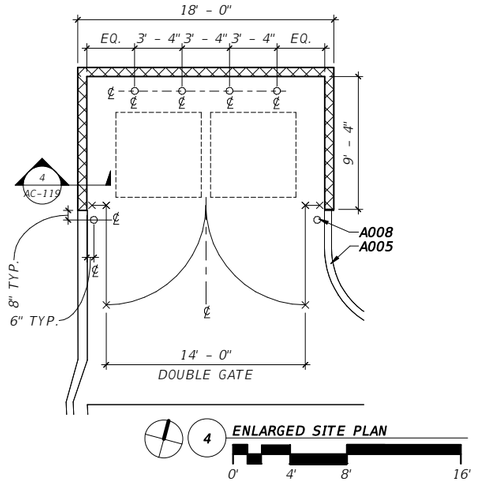
FLORIDA-ALABAMA TPO

ROAD NAME	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

ARCHITECTURAL SITE PLAN

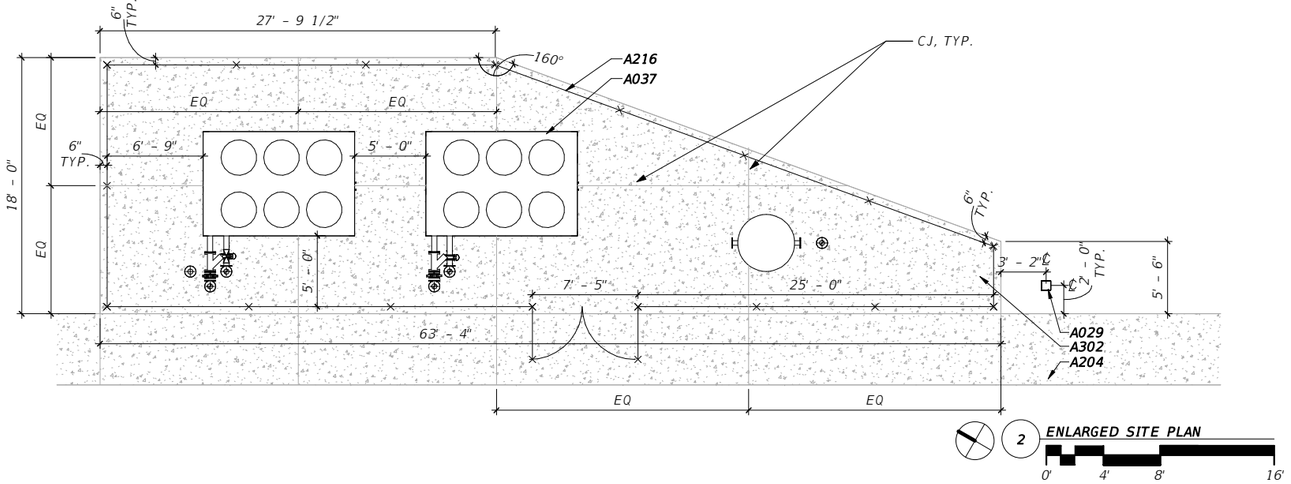
DWG NO. AC-118

SHEET NO.



4 ENLARGED SITE PLAN

0' 4' 8' 16'

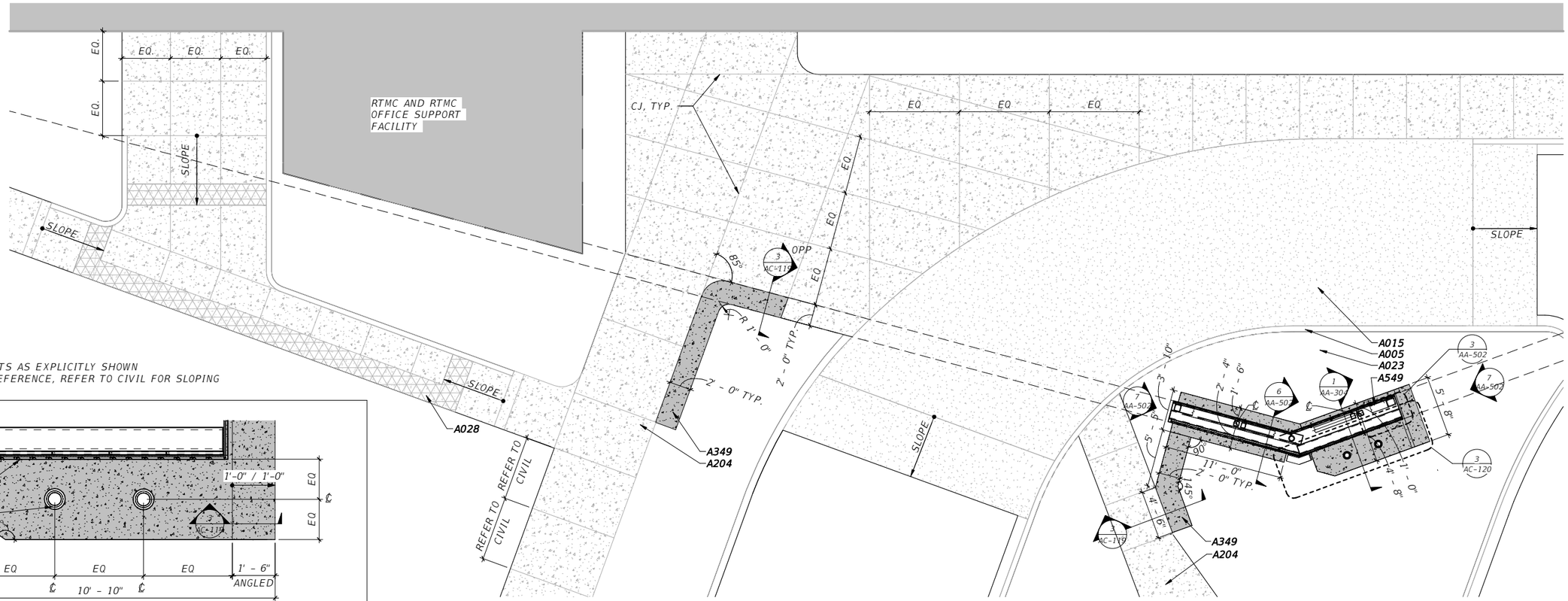


2 ENLARGED SITE PLAN

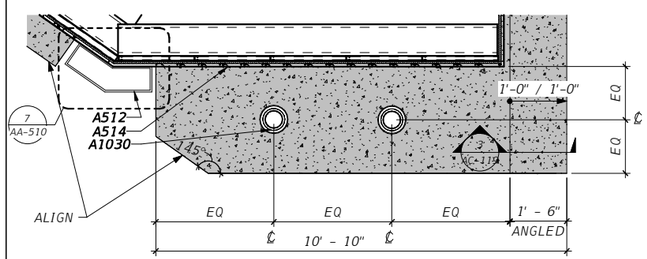
0' 4' 8' 16'

KEYNOTE LEGEND

NO.	DESCRIPTION
A005	CONCRETE CURB, TYP. REFER TO CIVIL
A008	42"H x 6" DIAMETER STEEL BOLLARD WITH COATING SYSTEM PER FDOT STANDARD SPECIFICATION 975, TYP. REFER TO STRUCTURAL
A015	CONCRETE DROP-OFF, REFER TO CIVIL
A023	LANDSCAPING, TYP. REFER TO LANDSCAPE
A028	DETECTABLE WARNING SURFACE, REFER TO CIVIL
A029	LIGHT BOLLARD, REFER TO ELECTRICAL
A037	CHILLER YARD
A204	CONCRETE SIDEWALK TYP, REFER TO CIVIL
A216	8'-0" H GALVANIZED CHAINLINK FENCING & DOUBLE SWING GATE ASSEMBLY W/ CONSTRUCTION EQUAL TO FDOT INDEX 802 TYPE B FENCE, CORE DRILLED POSTS, PADLOCK, CENTER STOP AND DROP ROD. REINFORCE CHAINLINK FENCE WITH RAIL BRACING AND DIAGONAL TRUSS RODS AS REQUIRED, TYP.
A302	REINFORCED CONCRETE SLAB, REFER TO STRUCTURAL
A349	CAST IN PLACE CONCRETE BENCH, REFER TO 3/AC-113
A512	METAL GUTTER AND DOWNSPOUT ASSEMBLY, TYP.
A514	ALUMINUM WALL PANEL SYSTEM INSTALLED PER MFR INSTRUCTIONS, TYP.
A549	STRUCTURAL STEEL FRAMING, REFER TO STRUCTURAL, TYP.
A1030	LIGHT FIXTURE, REFER TO ELECTRICAL



NOTES:
1. CJ = CONTROL JOINTS
2. PROVIDE CONTROL JOINTS AS EXPLICITLY SHOWN
3. SLOPE PROVIDED AS REFERENCE, REFER TO CIVIL FOR SLOPING REQUIREMENTS



3 ENLARGED SITE PLAN

0' 1' 2' 4'

1 ENLARGED ENTRANCE

0' 4' 8' 16'

No.	Date	Issue / Revision

ERIC LUTTMANN, AIA
AR 97111

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607

FLORIDA-ALABAMA TPO

ROAD NAME	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

ENLARGED SITE DETAILS

DWG NO. AC-120

SHEET NO.

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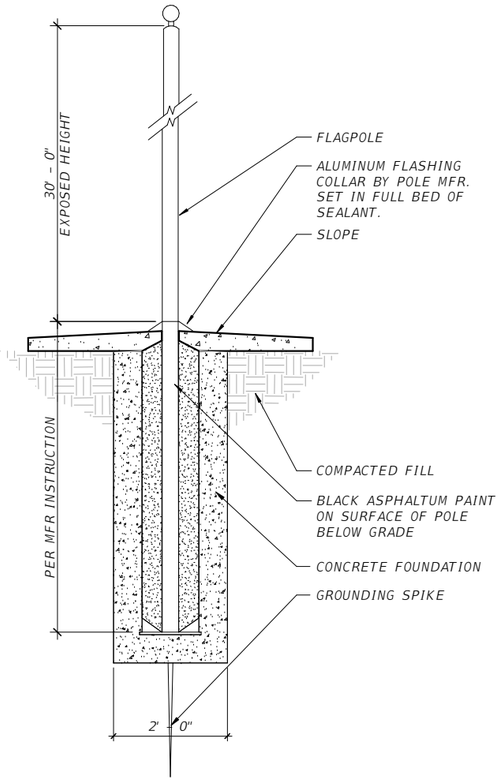
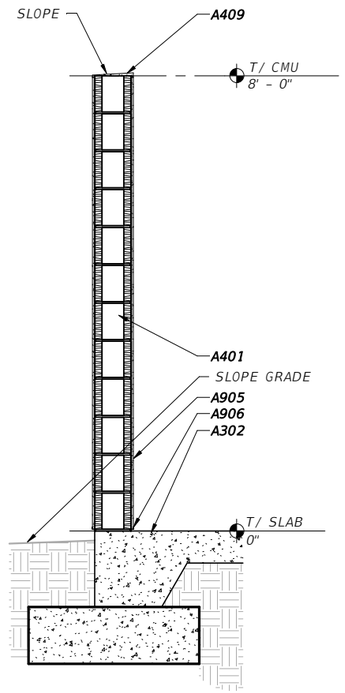


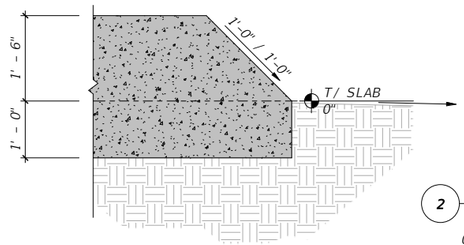
6 FLAG POLE SECTION

0' 1' 2' 4'



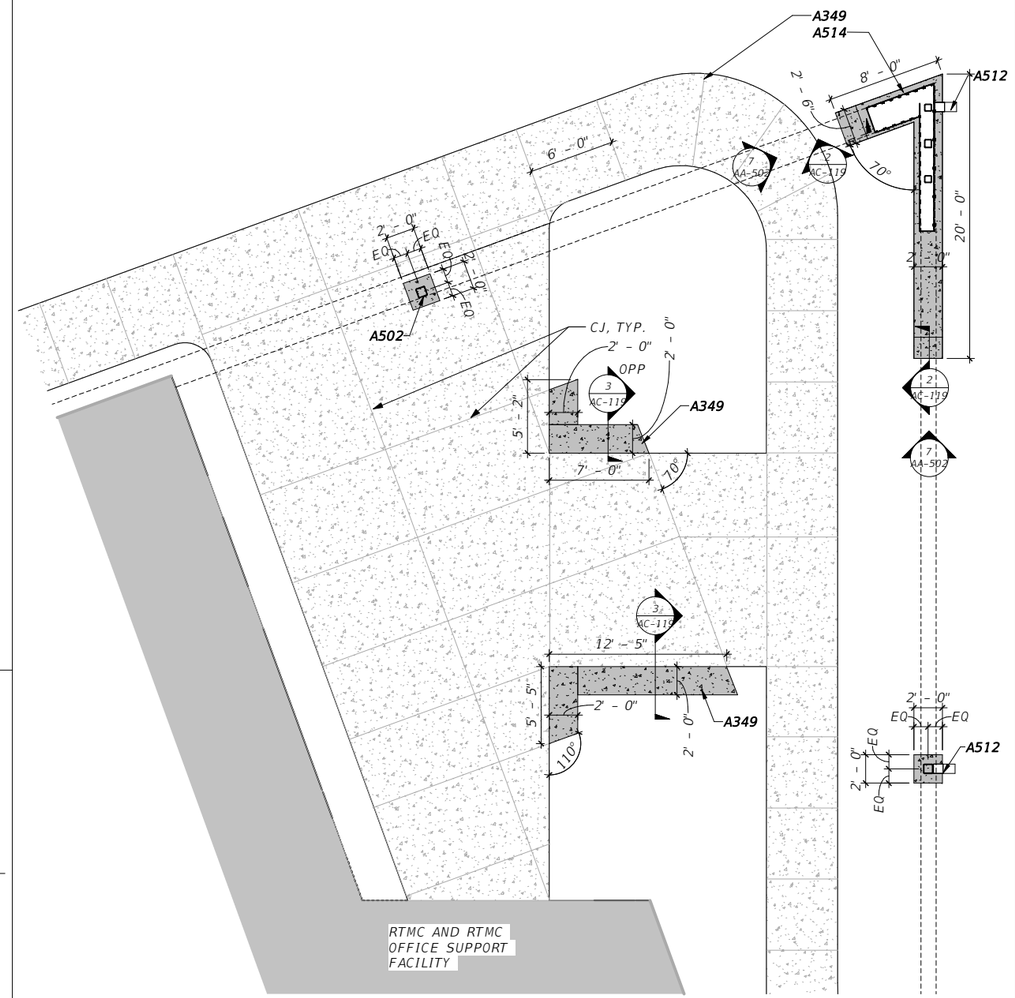
4 WALL SECTION

0' 1' 2' 4'



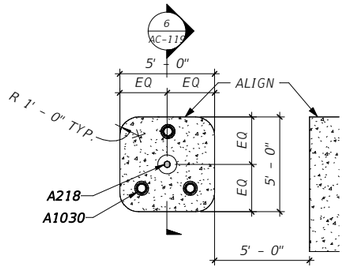
2 CIP BENCH SLOPED SECTION

0' 1' 2' 4'



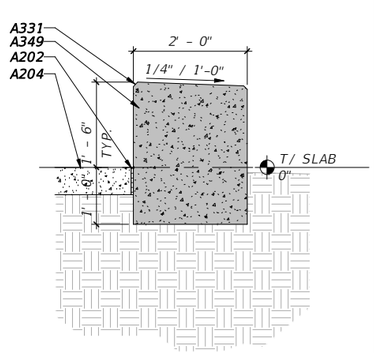
1 OUTDOOR COMMUNITY SPACE

0' 4' 8' 16'



5 FLAG POLE PLAN

0' 1' 2' 4'



3 CIP BENCH SECTION

0' 1' 2' 4'

No.	Date	Issue / Revision

ERIC LUTTMANN, AIA
AR 97111

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607

FLORIDA-ALABAMA TPO

ROAD NAME	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

ENLARGED SITE DETAILS

DWG NO.
AC-119
SHEET NO.

KEYNOTE LEGEND

NO.	DESCRIPTION
A202	CONTROL JOINTS ALIGNED WITH SITE AMENITIES AS SHOWN, TYP.
A204	CONCRETE SIDEWALK TYP, REFER TO CIVIL
A218	ALUMINUM FLAGPOLE
A302	REINFORCED CONCRETE SLAB, REFER TO STRUCTURAL
A331	3/4" CHAMFERED CORNERS, TYP.
A349	CAST IN PLACE CONCRETE BENCH, REFER TO 3/AC-113
A401	8" CONCRETE MASONRY WALL SYSTEM, REFER TO STRUCTURAL, TYP.
A409	PRECAST CONCRETE COPING, CONTINUOUS
A502	ARCHITECTURAL EXPOSED STRUCTURAL STEEL COLUMN, REFER TO STRUCTURAL
A512	METAL GUTTER AND DOWNSPOUT ASSEMBLY, TYP.
A514	ALUMINUM WALL PANEL SYSTEM INSTALLED PER MFR INSTRUCTIONS, TYP.
A905	5/8" STUCCO FINISH SYSTEM
A906	J-BEAD CONT.
A1030	LIGHT FIXTURE, REFER TO ELECTRICAL

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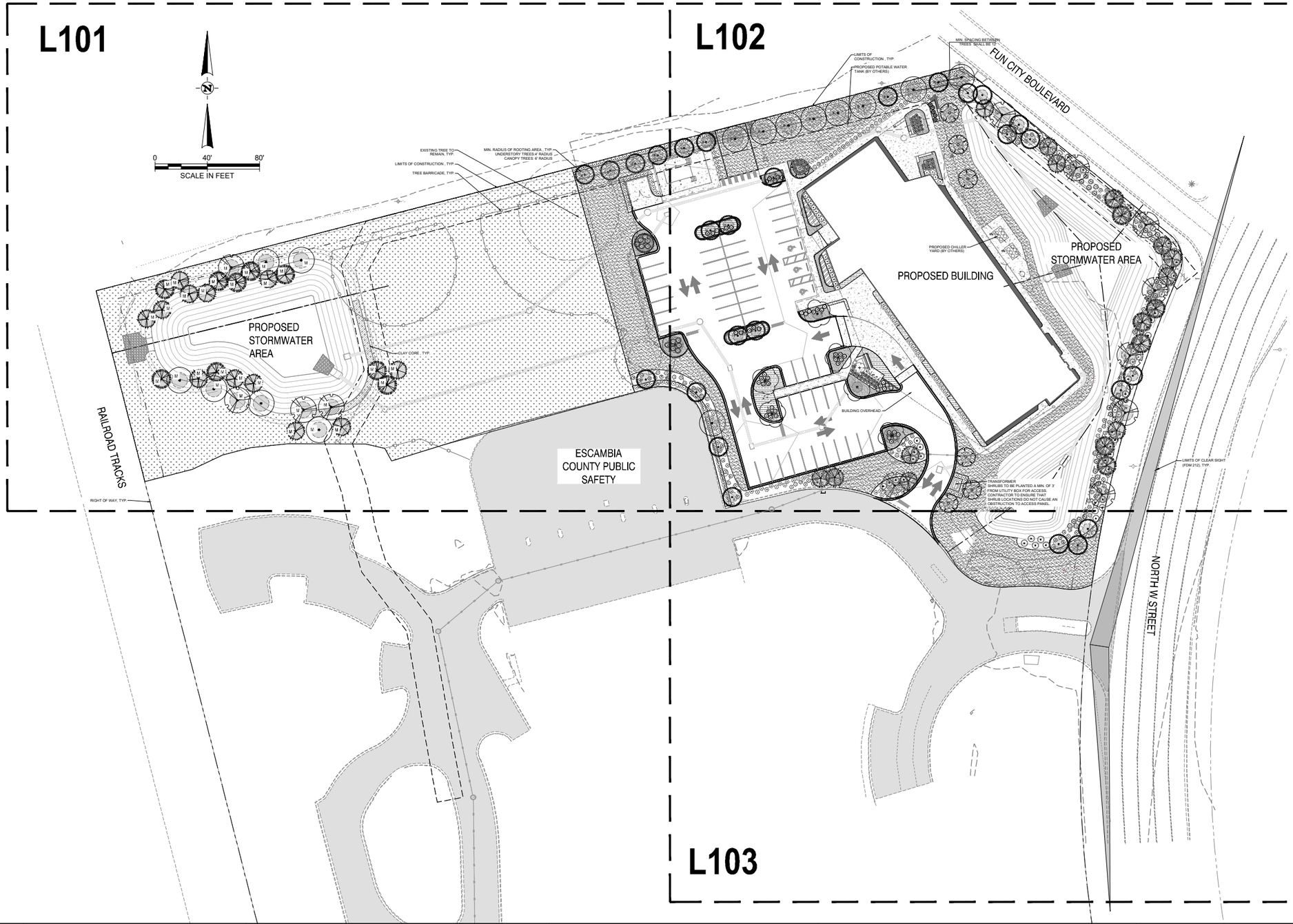


LEGEND

SYMBOL	CODE	COMMON NAME
TREES		
	ACE RUB	FLORIDA FLAME RED MAPLE
	ILE CAS	DAHOON HOLLY
	LAG IND	MUSKOGEE CRAPE MYRTLE
	MAG GRA	SOUTHERN MAGNOLIA
	PIN ELL	SLASH PINE
	QUE SHU	SHUMARD OAK
	TAX DIS	BALD CYPRESS
SHRUBS		
	CAM SAS	SASANQUA CAMELLIA
	CAM SA2	OCTOBER MAGIC CAMELLIA
	HAM FIR	FIREBUSH
	MUH CAP	PINK MUHLY GRASS
	RHO LIL	LILAC AZALEA
	SER REP	SILVER SAW PALMETTO
	TRI DAC	FAKAHATCHEE GRASS
	TRI FLO	DWARF FAKAHATCHEE GRASS
	VIB OBO	WALTER'S VIBURNUM
	ZAM PUM	COONTIE
GROUND COVERS		
	ARC GLA	PERENNIAL PEANUT
	HEM LIL	YELLOW DAYLILY
	LIR MUS	LIRIOPE
	TRA JAS	VARIEGATED CONFEDERATE JASMINE
SOD/SEED		
	SY SOD	CENTIPEDE SOD
	SY SEED	CENTIPEDE SEED

SYMBOL	REQUIRED PLANTING
B	BUFFER REQUIREMENT
M	MITIGATION REQUIREMENT
P	PARKING REQUIREMENT

No.	Date	Issue / Revision

halff
2255 KILLEARN CENTER BLVD.
SUITE 200
TALLAHASSEE, FLORIDA 32309
TEL. (850) 224-4400

LAURA M. DUPLAIN, PLA
PLA NO. 6667408

HALFF ASSOCIATES, INC.
2255 KILLEARN CENTER BLVD., SUITE 200
TALLAHASSEE, FLORIDA 32309
FL LC 26000645

FLORIDA-ALABAMA TPO

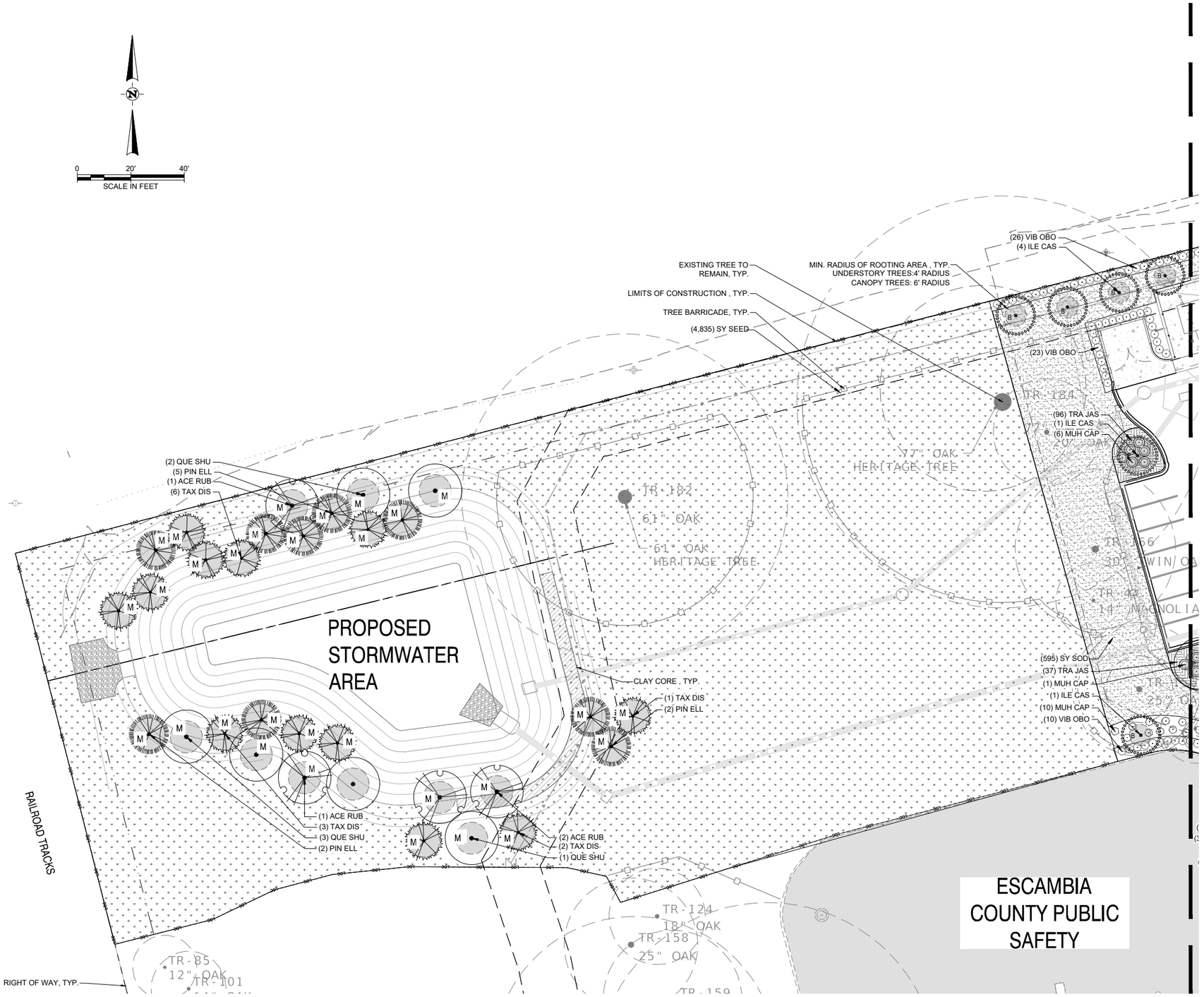
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

LANDSCAPE PLAN

DWG NO. L100
SHEET NO.

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G10-11.011, F.A.C.

FILE NAME: A:\53000s\53197\001\LACADD\Sheets\L-BASE-LAND-53197.001 (enchanced Planting).dwg DATE: June 20, 2025, TIME: 9:21 AM, USER: ah5043 AVO: 53197-001



MATCHLINE - REFER TO SHEET L102

LEGEND

SYMBOL	CODE	COMMON NAME
TREES		
	TAX DIS	BALD CYPRESS
	ILE CAS	DAHOON HOLLY
	ACE RUB	FLORIDA FLAME RED MAPLE
	LAG IND	LAVENDER CRAPE MYRTLE
	QUE SHU	SHUMARD OAK
	PIN ELL	SLASH PINE
SHRUBS		
	DRY ERY	AUTUMN FERN
	RHO CAR	CARNATION AZALEA
	ZAM PUM	COONTIE
	TRI DAC	FAKAHATCHEE GRASS
	TRI FLO	DWARF FAKAHATCHEE GRASS
	HAM FIR	FIREBUSH
	RHO LIL	LILAC AZALEA
	CAM SA2	OCTOBER MAGIC CAMEILLA
	MUH CAP	PINK MUHLY GRASS
	CAM SAS	SASANQUA CAMELLIA
	SER REP	SILVER SAW PALMETTO
	VIB OBO	WALTER'S VIBURNUM
GROUND COVERS		
	LIR MUS	LIRIOPE
	JUN CHI	PARSONI JUNIPER
	ARC GLA	PERENNIAL PEANUT
	TRA JAS	VARIEGATED STAR JASMINE
	HEM LIL	YELLOW DAYLILY
SOD/SEED		
	ERE OPH	CENTIPEDE SOD
	ERE SEE	CENTIPEDE SEED

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FILE NAME: A:\53000s\53197\001\LA\CADD\Sheets\L-BASE-LAND-53197.001 (enchanced Planting).dwg DATE: June 20, 2025, TIME: 9:21 AM, USER: ah5043 AVO: 53197-001

No.	Date	Issue / Revision

halff
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LAURA M. DUPLAIN, PLA
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FL LC 26000645

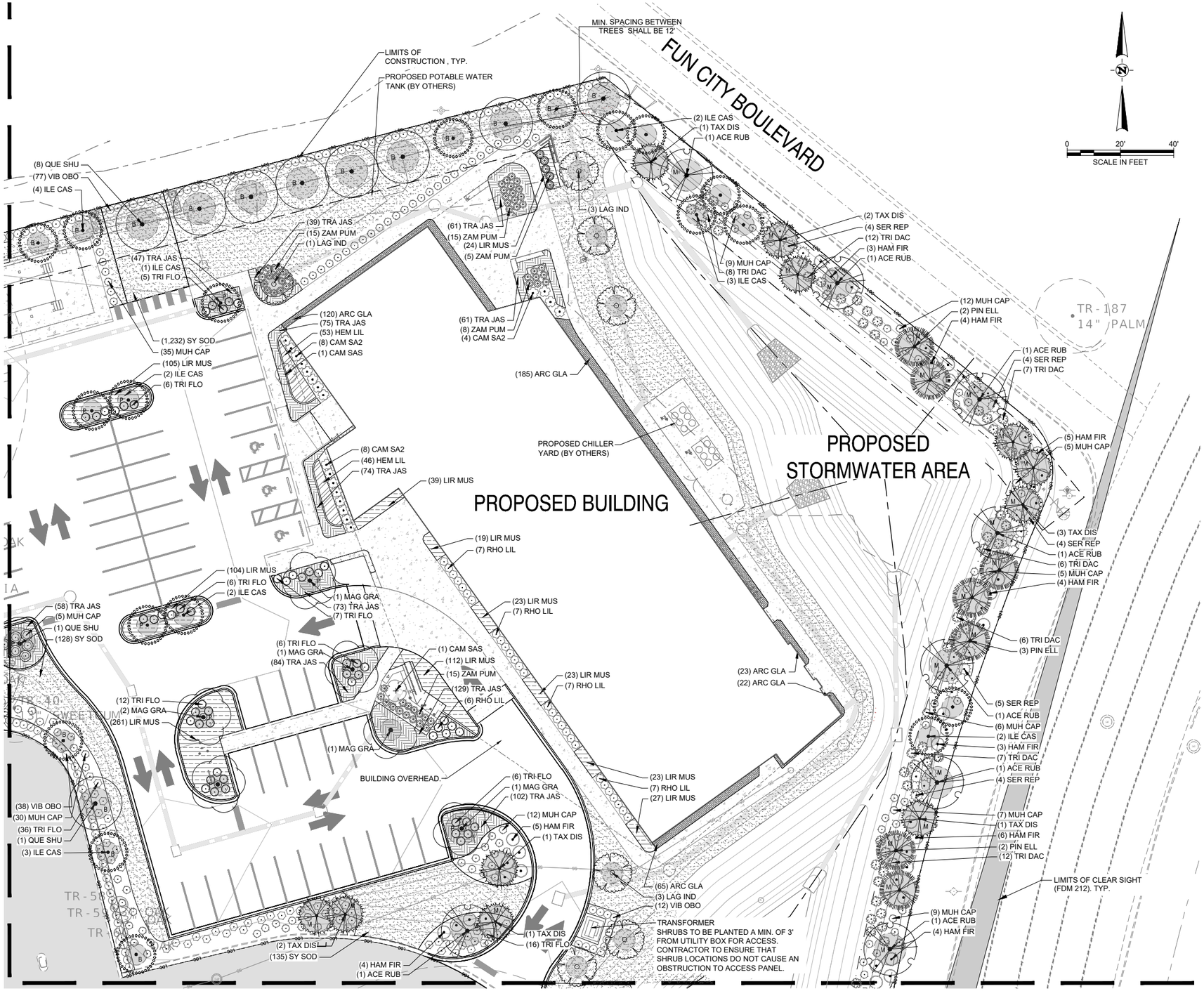
FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

LANDSCAPE PLAN

DWG NO. L101

SHEET NO.



MATCHLINE - REFER TO SHEET L101

MATCHLINE - REFER TO SHEET L103

LEGEND

SYMBOL	CODE	COMMON NAME
TREES		
	TAX DIS	BALD CYPRESS
	ILE CAS	DAHOON HOLLY
	ACE RUB	FLORIDA FLAME RED MAPLE
	LAG IND	LAVENDER CRAPE MYRTLE
	QUE SHU	SHUMARD OAK
	PIN ELL	SLASH PINE
SHRUBS		
	DRY ERY	AUTUMN FERN
	RHO CAR	CARNATION AZALEA
	ZAM PUM	COONTIE
	TRI DAC	FAKAHATCHEE GRASS
	TRI FLO	DWARF FAKAHATCHEE GRASS
	HAM FIR	FIREBUSH
	RHO LIL	LILAC AZALEA
	CAM SA2	OCTOBER MAGIC CAMEILLA
	MUH CAP	PINK MUHLY GRASS
	CAM SAS	SASANQUA CAMELLIA
	SER REP	SILVER SAW PALMETTO
	VIB OBO	WALTER'S VIBURNUM
GROUND COVERS		
	LIR MUS	LIRIOPE
	JUN CHI	PARSONI JUNIPER
	ARC GLA	PERENNIAL PEANUT
	TRA JAS	VARIEGATED STAR JASMINE
	HEM LIL	YELLOW DAYLILY
SOD/SEED		
	ERE OPH	CENTIPEDE SOD
	ERE SEE	CENTIPEDE SEED

No.	Date	Issue / Revision

halff
2255 KILLEARN CENTER BLVD.
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FL LC 26000645

FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

LANDSCAPE PLAN

DWG NO. L102

SHEET NO.

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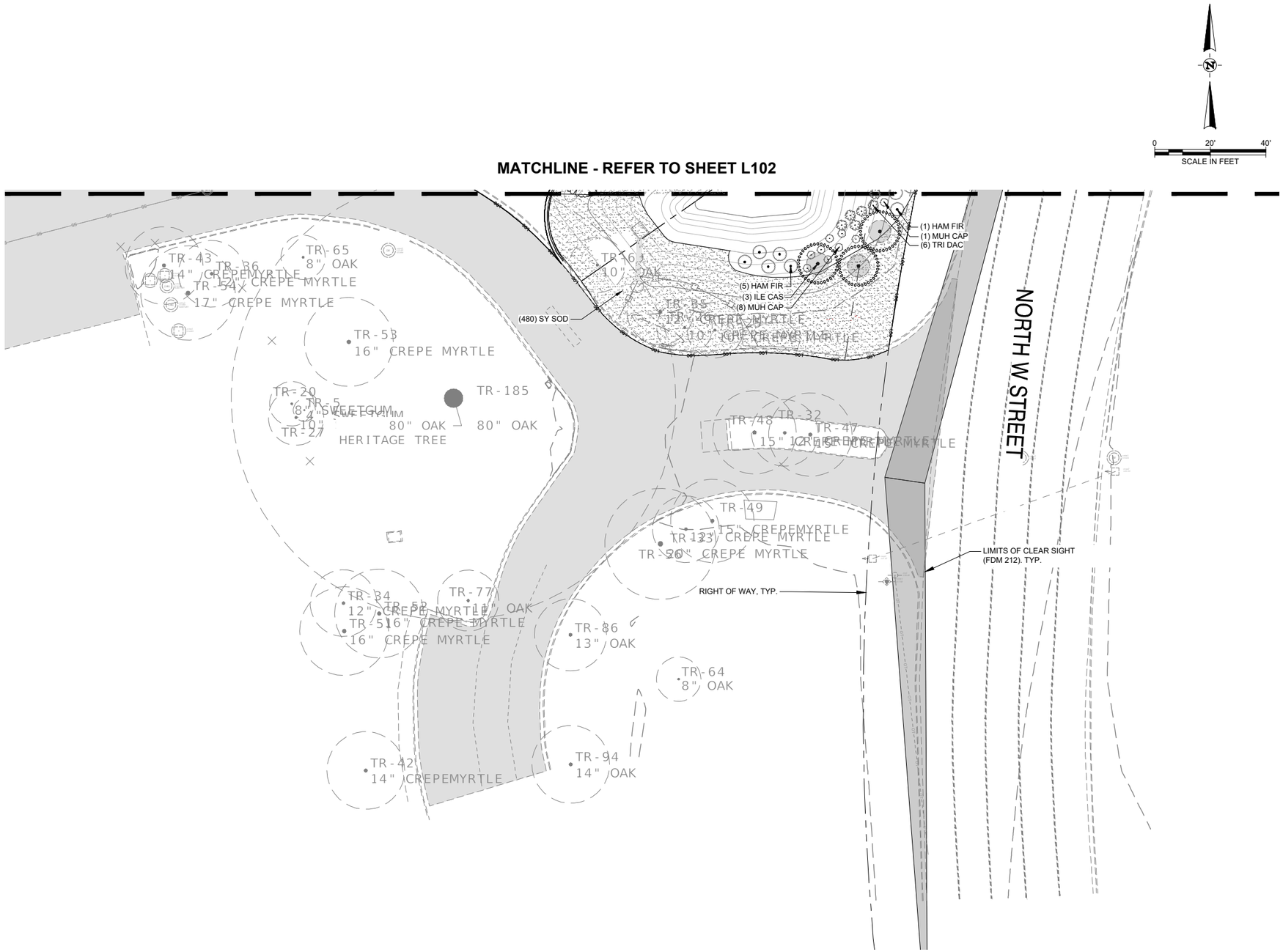
FILE NAME: A:\53000s\53197\001\LA\CADD\Sheets\L-BASE-LAND-53197 001 (enchanced Planting).dwg DATE: June 20, 2025, TIME: 9:21 AM, USER: arh5043 AVO: 53197-001



LEGEND

SYMBOL	CODE	COMMON NAME
TREES		
	TAX DIS	BALD CYPRESS
	ILE CAS	DAHOON HOLLY
	ACE RUB	FLORIDA FLAME RED MAPLE
	LAG IND	LAVENDER CRAPE MYRTLE
	QUE SHU	SHUMARD OAK
	PIN ELL	SLASH PINE
SHRUBS		
	DRY ERY	AUTUMN FERN
	RHO CAR	CARNATION AZALEA
	ZAM PUM	COONTIE
	TRI DAC	FAKAHATCHEE GRASS
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	HEM LIL	YELLOW DAYLILY
SOD/SEED		
	ERE OPH	CENTIPEDE SOD
	ERE SEE	CENTIPEDE SEED

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FILE NAME: A:\53009\t53197\001\LA\CADD\Sheets\L-BASE-LAND-53197.001 (enchanced Planting).dwg DATE: June 20, 2025, TIME: 9:21 AM, USER: ah5043 AVO: 53197-001

No.	Date	Issue / Revision

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FL LC 26000645

FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

LANDSCAPE PLAN

DWG NO. L103

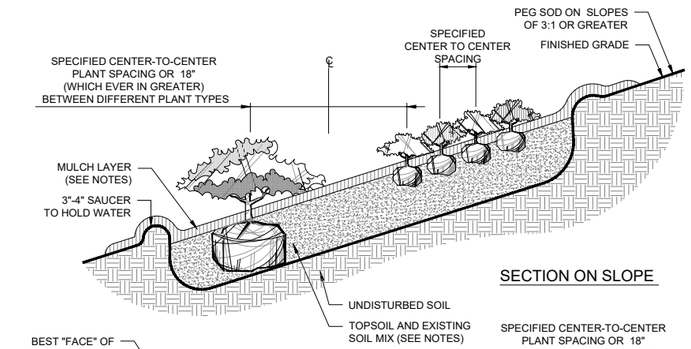
SHEET NO.

POND AREA NOTES:

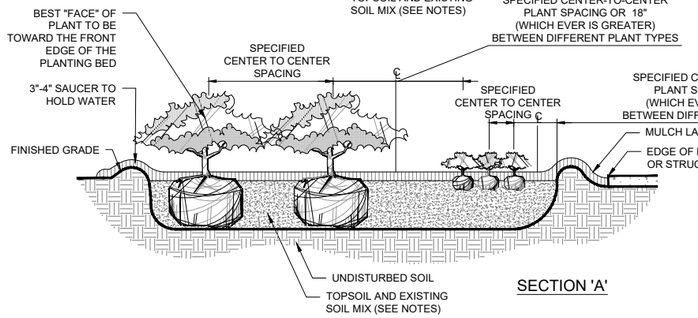
1. CONTRACTOR IS RESPONSIBLE FOR REPAIR AND REPLACEMENT OF WASHOUTS AND EROSION IN SODDED AREAS FOR A PERIOD OF FOUR MONTHS FROM "PROJECT ACCEPTANCE" BY OWNERS REPRESENTATIVE.
2. ALL SOD SHALL BE TIFFWAY 419 BERMUDA, UNLESS OTHERWISE NOTED.
3. CONTRACTOR IS RESPONSIBLE FOR IRRIGATION DOS UNTIL ESTABLISHMENT (MINIMUM 30 DAYS).
4. REFER TO ADDITIONAL NOTES AND DETAILS APPLICABLE TO DOS WITHIN THE LANDSCAPE PLANS.
5. ALL DISTURBED AREAS SHALL BE SODDED OR SEED AND MULCHED . THIS INCLUDE AREAS THAT WERE DISTURBED IN ADDITION TO THOSE SHOWN AND/OR ANTICIPATED IN THESE PLANS.
6. AT THE END OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL SILT AND SEDIMENTATION THAT HAS ACCUMULATED WITHIN THE PONDS.

SEED AND MULCH:

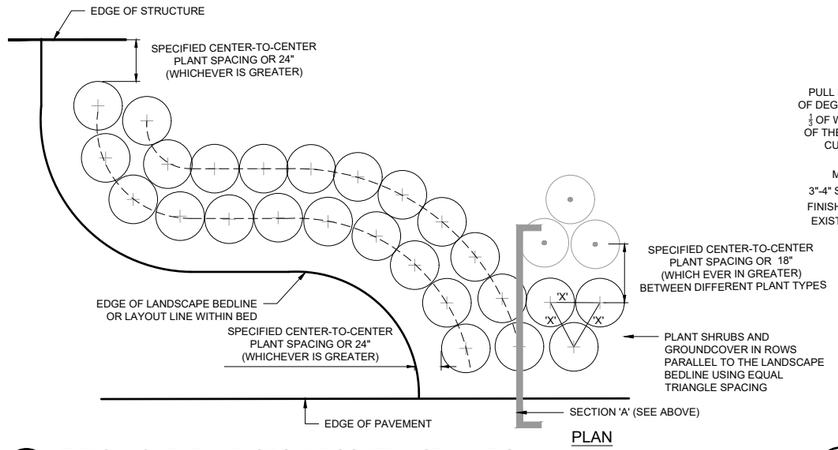
1. PERMANENT SEEDING SHALL BE APPLIED BY HYDROSEEDING IN ACCORDANCE WITH FDOT SPECIFICATION SECTION 570 PERFORMANCE TURF. SEED: BAHIA - SHALL BE IN ACCORDANCE WITH FDOT STANDARDS AND SPECIFICATION 981 TURF MATERIAL. APPLY SEED AT THE RATE OF 10 POUNDS PER 1,000 SF.
2. APPLY HYDROSEED TO ENSURE UNIFORM COVERAGE.



SECTION ON SLOPE



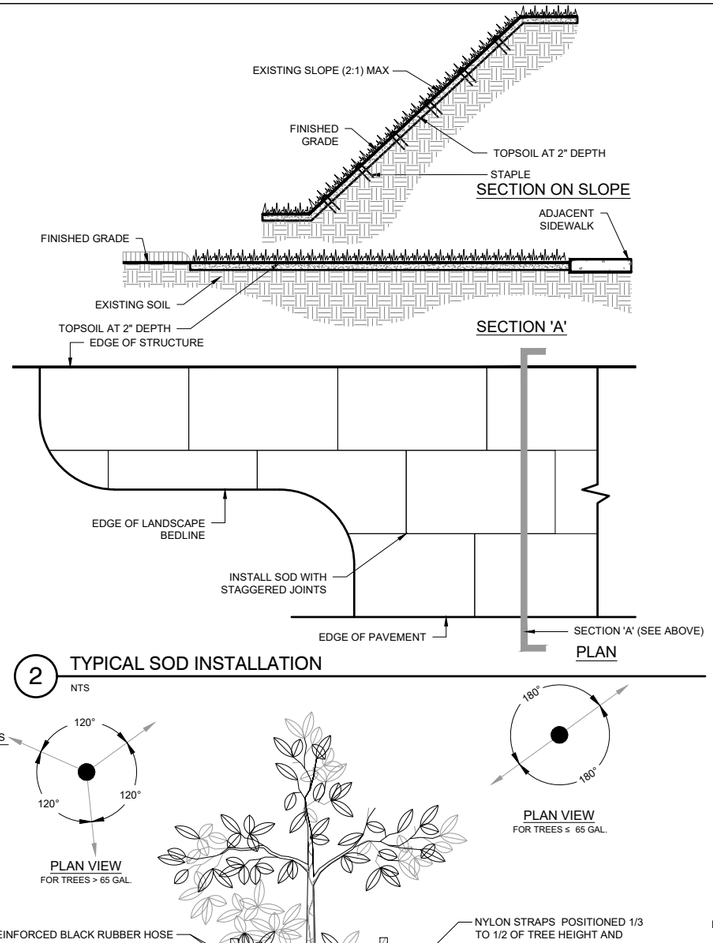
SECTION 'A'



PLAN

1 TYPICAL SHRUB AND GROUNDCOVER INSTALLATION

NTS



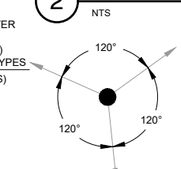
SECTION ON SLOPE

SECTION 'A'

PLAN

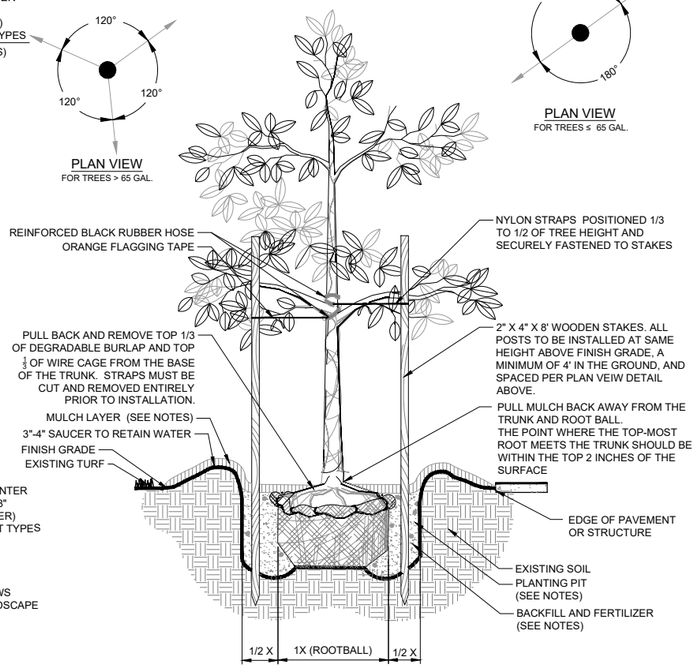
2 TYPICAL SOD INSTALLATION

NTS



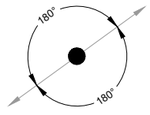
PLAN VIEW
FOR TREES > 65 GAL.

PLAN VIEW
FOR TREES ≤ 65 GAL.

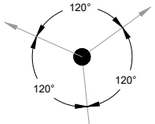


3 TYPICAL TREE INSTALLATION

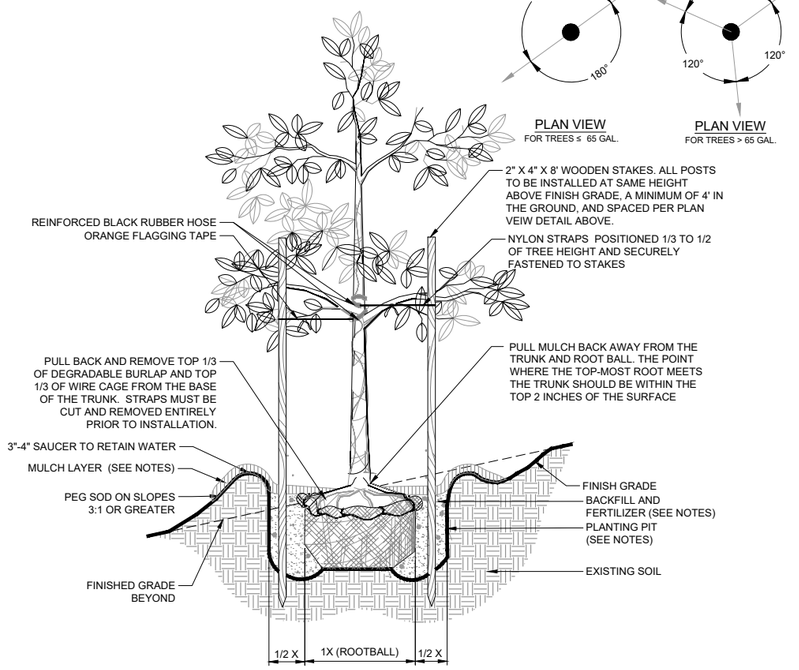
NTS



PLAN VIEW
FOR TREES ≤ 65 GAL.



PLAN VIEW
FOR TREES > 65 GAL.



4 TYPICAL TREE ON SLOPE INSTALLATION

NTS

No.	Date	Issue / Revision

halff
2255 KILLEARN CENTER BLVD.
SUITE 200
TALLAHASSEE, FLORIDA 32309
TEL. (850) 224-4400

LAURA M. DUPLAIN, PLA
PLA NO. 6667408

HALFF ASSOCIATES, INC.
2255 KILLEARN CENTER BLVD., SUITE 200
TALLAHASSEE, FLORIDA 32309
FL LC 26000645

FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

LANDSCAPE DETAILS

DWG NO. L501

SHEET NO.

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

GENERAL LANDSCAPE NOTES:

1. LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR VERIFYING PROJECT SITE CONDITIONS AND DETERMINING REQUIRED QUANTITIES AND AVAILABILITY OF ALL MATERIALS PRIOR TO BIDDING. QUANTITIES ARE PROVIDED FOR INFORMATIONAL PURPOSES ONLY. IF ANY DISCREPANCIES OCCUR BETWEEN QUANTITIES CALLED FOR ON THE PLANT LIST AND THOSE INDICATED ON THE DRAWINGS, THE DRAWINGS SHALL GOVERN.
2. PRIOR TO COMMENCEMENT OF CONSTRUCTION, CONTRACTOR SHALL INSPECT PLANTING AREAS AND VERIFY THAT NO OBJECTIONABLE MATERIALS OR OBSTRUCTIONS ARE PRESENT. PRESENT FINDINGS TO OWNER'S REPRESENTATIVE FOR APPROVAL. ALL EXISTING PLANTING SHALL REMAIN INTACT AND UNDISTURBED UNLESS OTHERWISE NOTED ON THE DRAWINGS. ALL EXISTING SITE FURNISHINGS, PAVING, LANDSCAPE, AND OTHER ELEMENTS TO REMAIN SHALL BE PROTECTED FROM ANY DAMAGE UNLESS OTHERWISE NOTED.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ADJACENT IMPROVEMENTS FROM DAMAGE AND EROSION INCLUDING BUT NOT LIMITED TO EXISTING PLANT MATERIAL, GRADES, SIDEWALKS, SITE FURNISHINGS, CURBS, AND UTILITIES. ANY ADJACENT IMPROVEMENT DAMAGED DURING CONSTRUCTION SHALL, AT A MINIMUM, BE RESTORED TO A STATE EQUAL TO ITS PRE-CONSTRUCTION STATE AT THE CONTRACTOR'S EXPENSE. THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR SODDING ALL AREAS DISTURBED BY OTHER CONTRACTORS OR BY LANDSCAPE INSTALLATION.
4. IN GENERAL, THE WORK SHALL PROCEED AS RAPIDLY AS THE SITE BECOMES AVAILABLE. CONTRACTOR TO COORDINATE PROJECT SCHEDULE WITH OWNER'S REPRESENTATIVE. WORK TO BEGIN WITHIN 5 BUSINESS DAYS OF RECEIPT OF NOTICE TO PROCEED.
5. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS TO COMPLETE WORK, AND SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS.
6. THE LANDSCAPE CONTRACTOR SHALL COORDINATE CONSTRUCTION OF PLANTING AREAS WITH HARDSCAPE, ELECTRICAL, AND IRRIGATION WORK.
7. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ANY HOISTING EQUIPMENT NECESSARY FOR THE PLACEMENT OF PLANT MATERIAL.
8. COLLECT SOIL SAMPLES AT A MINIMUM OF (5) PLANTING LOCATIONS THROUGHOUT THE PROJECT. SUBMIT TESTING LOCATIONS TO OWNER'S REPRESENTATIVE PRIOR TO TAKING SAMPLES. SAMPLES SHALL BE SENT TO AN APPROVED AGRONOMIC SOILS TESTING LABORATORY, STATING PROPOSED PLANT MATERIAL AT EACH TEST LOCATION. ANALYSIS SHALL INCLUDE, AT A MINIMUM, PH, NPK, ORGANIC CONTENT, TEXTURE, AND SOLUBLE SALTS. SUBMIT RESULTS/RECOMMENDATIONS AND PROPOSED FERTILIZER ANALYSIS/AMENDMENTS TO OWNER'S REPRESENTATIVE. COSTS OF FERTILIZER AND AMENDMENTS ARE TO BE INCLUDED IN THE COST OF THE PROJECT.
9. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND VERIFYING THE CONDITION OF UNDERGROUND UTILITIES THAT AFFECT PLANTING PROCEDURES. IF ANY CONFLICTS OCCUR BETWEEN PROPOSED LOCATION OF TREES ON THE DRAWINGS AND ANY UNDERGROUND, SUBSURFACE, OR OVERHEAD UTILITIES OR STRUCTURES THE LANDSCAPE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATIONS AND PROTECTION OF ALL EXISTING UTILITIES SHOWN OR NOT SHOWN, AND ALL PROPOSED UTILITIES ON THESE DRAWINGS.
10. IF THE LANDSCAPE CONTRACTOR DAMAGES ANY STAKED OR IN PLACE UTILITIES OR STRUCTURES BY HIS OWN NEGLIGENCE THEY SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
11. THE LANDSCAPE CONTRACTOR SHALL REFER TO THE LANDSCAPE PLANTING DETAILS, NOTES, AND THE LANDSCAPE SCHEDULE FOR COMPLETE LANDSCAPE INSTALLATION INSTRUCTIONS. NOTIFY OWNER'S REPRESENTATIVE OF ANY AND ALL DISCREPANCIES PRIOR TO CONSTRUCTION OR INSTALLATION.
12. THE LANDSCAPE CONTRACTOR SHALL RE-GRADE ALL AREAS DISTURBED BY PLANT REMOVAL, RELOCATION, AND/OR INSTALLATION WORK. ANY DAMAGED PLANT MATERIAL SHALL BE REPLACED WITH PLANTS OF SAME SPECIES (MIN 12' HT, 3" CAL, 6' CT) EQUALING THE TOTAL DIAMETER BREAST HEIGHT(DBH) OF THE DAMAGED TREE AND SHALL BE SUBJECT TO ALL REQUIREMENTS HEREIN.
13. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING ALL NEWLY INSTALLED PLANT MATERIAL AS NEEDED TO MAINTAIN HEALTH AND VIGOR THROUGHOUT THE 90 DAY MAINTENANCE PERIOD REGARDLESS OF THE STATUS OF EXISTING OR PROPOSED IRRIGATION AND/OR RAINFALL.

DAMAGES AND WARRANTY:

1. ALL PLANT MATERIAL, INCLUDING TRANSPLANTED PLANT MATERIAL, SHALL BE GUARANTEED AT OR ABOVE THE SPECIFIED CONDITIONS THROUGH SUBSTANTIAL COMPLETION AND UNTIL THE END OF THE (1) YEAR WARRANTY PERIOD. MAINTENANCE SHALL BE PROVIDED BY THE LANDSCAPE CONTRACTOR FOR 90 DAYS AFTER SUBSTANTIAL COMPLETION. AFTER WHICH THE LANDSCAPE CONTRACTOR WILL COORDINATE MAINTENANCE WITH OWNER'S REPRESENTATIVE. DECLINE IN CONDITION OF PLANT MATERIAL DURING INSTALLATION AND/OR WARRANTY PERIOD SHALL BE GROUNDS FOR REJECTION AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
2. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR RE-STAKING OF TREES DURING THE WARRANTY PERIOD. IF NECESSARY, MAXIMUM TOLERANCE FROM VERTICAL SHALL BE 3 DEGREES. GUYING / STAKING PRACTICES SHALL NOT PERMIT NAILS, SCREWS, WIRES ETC., TO PENETRATE OUTER SURFACE OF TREES OR PALMS. TREES OR PALMS REJECTED DUE TO THIS PRACTICE SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
3. THE OWNER AND/OR THE OWNER'S REPRESENTATIVE HAS THE RIGHT TO REJECT ANY AND ALL WORK WHICH DOES NOT MEET WITH THE REQUIREMENTS OF THE SPECIFICATIONS AT ANY STAGE OF THE PROJECT. CONTRACTOR TO REPLACE REJECTED PLANT MATERIAL WITHIN ONE WEEK (5 BUSINESS DAYS) OF NOTICE.
4. CONTRACTOR TO REQUEST INSPECTION OF PROJECT IN WRITING TO OWNERS REPRESENTATIVE. IF ALL WORK IS SATISFACTORY AND COMPLETE IN ACCORDANCE WITH CONDITIONS OF CONTRACT DOCUMENTS, THEN THE OWNER AND/OR THEIR REPRESENTATIVE SHALL DECLARE THE PROJECT TO BE SUBSTANTIALLY COMPLETE. SUBSTANTIAL COMPLETION CONSTITUTES THE BEGINNING OF THE 1 YEAR WARRANTY PERIOD AND THE 90 DAY MAINTENANCE PERIOD.
5. CONTRACTOR SHALL REMOVE ALL PLANT SAUCERS, GRADE SMOOTH, AND RE-MULCH AS WELL AS REMOVE PLANTING STAKES FROM SITE AFTER THE (1) YEAR WARRANTY PERIOD.

PROJECT SUBMITTALS:

1. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL FOR ALL PROPOSED MATERIALS INCLUDING BUT NOT LIMITED TO PLANTS, STAKING, SOIL AMENDMENTS, FERTILIZER, MULCH, ETC. PRIOR TO PURCHASING. CONTRACTOR SHALL PROVIDE REPRESENTATIVE SAMPLES OF ALL PLANT MATERIAL ON-SITE FOR REVIEW BY OWNER'S REPRESENTATIVE; NOTIFY OWNER'S REPRESENTATIVE OF INSPECTION A MINIMUM OF 3 BUSINESS DAYS PRIOR TO INSPECTION. IF APPROVED BY OWNER'S REPRESENTATIVE, THEN DATED AND SCALED COLOR PHOTOGRAPHS MAY ALSO BE SUBMITTED.
2. ALL PROJECT SUBMITTALS MUST BE COMPLETED AND COMPILED IN AN EASILY REPRODUCIBLE FORM. SUBMITTAL SHEETS THAT ARE NOT LEGIBLE AND REPRODUCIBLE WILL BE REJECTED. SUBMITTALS SHEETS THAT DO NOT CLEARLY IDENTIFY THE PRODUCTS OR MATERIALS SELECTED WILL BE REJECTED.
3. CONTRACTOR SHALL SUBMIT TO THE OWNER'S REPRESENTATIVE THE GROWER'S AND/OR STATE INSPECTION CERTIFICATE FOR PLANT MATERIAL TWO (2) WEEKS PRIOR TO COMMENCEMENT OF WORK.
4. PRODUCTS INSTALLED ON THE PROJECT SITE THAT ARE NOT CONSISTENT WITH THE PROJECT SUBMITTALS WILL BE REMOVED AND REPLACED WITH THE PRODUCTS IDENTIFIED IN THE PROJECT SUBMITTAL PACKAGE AT THE CONTRACTORS EXPENSE.
5. PRIOR TO ISSUING SUBSTANTIAL COMPLETION NOTICE THE CONTRACTOR SHALL SUBMIT TO THE OWNER THREE (3) COPIES OF AS BUILT PLANS/DOCUMENTS AND THREE (3) COPIES OF AN ANNUALIZED MAINTENANCE AND OPERATION MANUAL DETAILING ALL SCHEDULES, NURSERY PRACTICES, WATERING REQUIREMENTS, FERTILIZATION, TRIMMING, ETC., FOR ALL PLANT MATERIALS AND PLANT AREAS OF THE PROJECT.

SITE REQUIREMENTS:

1. CONTRACTOR SHALL AGREE TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE OWNER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN THE CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER.
2. LANDSCAPE HOLDING AREA, INGRESS, EGRESS, AND SITE ACCESS SHALL BE COORDINATED WITH THE OWNER'S REPRESENTATIVE. THE CONTRACTOR SHALL NOT DISTURB OR IMPEDE ACCESS TO THE SITE BY OTHERS.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DAILY CLEANUP OF PREMISES AND REMOVAL OF DISCARDED OR SURPLUS MATERIALS AND RUBBISH IN A LAWFUL MANNER. ANY OPEN PITS OR TRENCHES SHALL BE COMPLETELY AND THOROUGHLY BARRICADED DURING THE WORKDAY AND COMPLETELY FILLED IN AT THE END OF EACH WORKDAY. ALL MATERIALS, PRODUCTS, AND EQUIPMENT REMAINING ON SITE AT THE END OF THE WORK DAY SHALL BE STORED IN AN ORGANIZED FASHION IN THE AREA DESIGNATED BY THE OWNER'S REPRESENTATIVE.
4. ALL CONTRACTORS AND SUBCONTRACTORS SHALL HAVE A SET OF APPROVED CONSTRUCTION DOCUMENTS ON SITE AT ALL TIMES.
5. DURING CONSTRUCTION, CREWS ARE REQUIRED TO HAVE AT LEASE ONE (1) ENGLISH SPEAKING PERSON ON SITE.

PLANT MATERIAL NOTES:

1. ALL PLANT MATERIAL SHALL BE FLORIDA GRADE NO. 1 OR BETTER AS SPECIFIED IN GRADES AND STANDARDS FOR NURSERY PLANTS PARTS I AND II, DIVISION OF PLANT INDUSTRY, FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES, LATEST EDITION, AND SHALL CONFORM TO CURRENT AMERICAN ASSOCIATION OF NURSERYMAN STANDARDS FOR NURSERY STOCK.
2. CONTAINER GROWN PLANTS: A MINIMUM OF 80% OF THE CONTAINER ROOTBALL MUST BE BOUND BY THE ROOT SYSTEM. ENCIRCLING OR "RING" ROOTS ARE PROHIBITED AND PLANTS WILL BE REJECTED.
3. ALL SOD SHALL BE WEED AND WEED SEED FREE, WITH A 2" THICKNESS OF ROOTS CAPABLE OF HOLDING SAND. SOD SHALL BE FRESHLY-CUT WITHIN TWENTY-FOUR (24) HOURS OF LAYING AND LAID WITH TIGHTLY-BUTTED JOINTS. HAND RAKING SHALL BE DONE AS NECESSARY TO ENSURE PROPER EVEN GRADES AND CLEAR SURFACES FOR SOD. STAKING OF SOD SHALL BE DONE AS NECESSARY TO PREVENT MOVEMENT OF MATERIAL.
4. ALL PLANT MATERIAL SHALL BE PROTECTED DURING TRANSPORT AND DELIVERY TO JOB SITE WITH SHADE CLOTH OR OTHER ACCEPTABLE MEANS OF WINDBURN PREVENTION.
5. SUBSTITUTION OF PLANT MATERIALS WILL NOT BE PERMITTED UNLESS AUTHORIZED BY THE OWNER'S REPRESENTATIVE; ALL SUBSTITUTIONS MUST MEET MINIMUM SPECIFICATIONS ON THE PLANT LIST.
6. SUBSTITUTION OF FIELD GROWN TREES FOR TREES THAT ARE SPECIFIED AS CONTAINER GROWN WILL NOT BE PERMITTED UNLESS OTHERWISE APPROVED BY THE OWNER'S REPRESENTATIVE. IF SUBSTITUTION IS APPROVED, ALL PLANT SPECIFICATIONS WILL APPLY TO APPROVED BALLED AND BURLAPPED MATERIAL.
7. NEW PLANT MATERIAL TO BE INSTALLED WILL BE FIELD ADJUSTED TO ACCOMMODATE EXISTING PLANT MATERIAL SUCH AS OVERHEAD CANOPY TREES, UNDERSTORY TREES AND SHRUBS OR GROUND COVER. THIS WILL INSURE EXISTING PLANT MATERIAL TO REMAIN IN ITS NATURAL STATE. THEREFORE, NO EXISTING PLANT MATERIAL WILL BE ALTERED BY REMOVING, CUTTING, TRIMMING OR DESTROYING IN ORDER TO INSTALL NEW PLANT MATERIAL.
8. ALL TREES SHALL BE LOCATED AT LEAST SIX FEET AWAY FROM THE CENTERLINE OF SWALES AND FROM PROPOSED STORMWATER INLETS.

PLANTING:

1. TREES GROWN IN GROW BAGS OR GROW BAG TYPE MATERIAL MUST HAVE THE GROW BAG REMOVED ENTIRELY PRIOR TO PLANTING.
2. BALLED AND BURLAPPED OR ANY BASKETED MATERIAL SHALL HAVE THE TOP ONE THIRD (1/3) OF DEGRADABLE BURLAP AND TOP ONE THIRD (1/3) OF WIRE CAGE PULLED BACK AND REMOVED FROM THE BASE OF THE TRUNK. STRAPS MUST BE CUT AND REMOVED ENTIRELY PRIOR TO INSTALLATION.
3. CONTRACTOR SHALL NOTIFY OWNERS REPRESENTATIVE IF ANY CONFLICTS EXIST BETWEEN THE BUILT ENVIRONMENT AND PLANS (I.E. UTILITY CABINETS, UTILITY VALVES, STREET SIGNS, SIDEWALK LOCATIONS)

EXISTING TO REMAIN PLANT CARE:

1. FLAG ALL TREES AND PALMS TO BE SAVED IN PLACE. PROVIDE BARRICADING IN ACCORDANCE WITH LOCAL STANDARDS AROUND TREES AND PALMS TO BE SAVED IN PLACE PRIOR TO SITE DEMOLITION.
2. ALL WORK INVOLVING EXISTING TREES TO REMAIN SHALL BE UNDERTAKEN IN THE PRESENCE OF A REGISTERED ARBORIST. ALL TREES AND PALMS TO BE SAVED SHALL BE EXAMINED FOR DAMAGE, DISEASE AND INSECT INFESTATION. PARTS OF THE TREE SHOWING THESE CONDITIONS SHALL BE TREATED OR PRUNED IN ACCORDANCE WITH THE ARBORISTS RECOMMENDATIONS. REMOVE ALL DEAD LIMBS AND VINES.
3. ROOT PRUNE ALL TREES TO BE SAVED PER DRAWINGS PRIOR TO GRADING AROUND TREES.
4. TREAT ALL CUTS WITH A FUNGICIDAL BARRIER. BACKFILL THE TRENCH, WITHIN 4 HOURS OF DIGGING, WITH A 1:1 MIXTURE OF SITE SOIL AND SAWDUST OR OTHER FINE ORGANIC MATERIAL. DO NOT COMPACT.
5. FERTILIZE THE PLANT AS DIRECTED BY THE CONSULTING ARBORIST.

PLANTING AREA PREPARATION NOTES:

1. THE CONTRACTOR SHALL STAKE LOCATIONS AND LIMITS OF TREES, PLANTING, MULCH, AND SOD AREAS TO REFLECT PLANS TO GREATEST EXTENT POSSIBLE. FOR TREES LOCATED BETWEEN BACK OF CURB AND FRONT OF SIDEWALK, PLACE TREES EQUAL DISTANCE FROM CURB AND SIDEWALK. FOR TREES LOCATED OUTSIDE OF RIGHT-OF-WAY, PLACE TREES A MINIMUM OF 5' FROM BACK OF SIDEWALK, 2.5' FOR PALMS. COORDINATE WITH OWNER'S REPRESENTATIVE TO INSPECT STAKING LOCATIONS AND LIMITS ON SITE. PROVIDE MINIMUM 5 BUSINESS DAYS ADVANCE NOTIFICATION OF PROPOSED INSPECTION. CONTRACTOR SHALL MAKE MODIFICATIONS AS MAY BE REQUESTED.
2. WORK WITHIN 15' OF EXISTING TREES TO REMAIN SHALL BE PERFORMED USING HAND TOOLS. ANY DISTURBED ROOTS SHALL BE SEVERED USING CLEAN AND SHARP TOOLS.
3. HERBICIDE APPLICATION: BEGIN TURF SPRAYING PROCESS A MINIMUM 30 DAYS PRIOR TO PLANTING AS FOLLOWS: SPRAY TURF AREA TO BE KILLED WITH GLYPHOSATE PER MANUFACTURER'S RECOMMENDATIONS. 7 DAYS AFTER SPRAYING, CLOSE MOW TO 1" HEIGHT. 14 DAYS AFTER CLOSE MOWING, RE-SPRAY WITH GLYPHOSATE PER MANUFACTURER'S RECOMMENDATIONS. PROTECT EXISTING PLANTS TO REMAIN FROM OVER-SPRAY OR SPRAY WITHIN ROOT ZONE. CONTRACTOR TO ENSURE TOTAL WEED ERADICATION. 7 DAYS AFTER RE-SPRAYING, PROCEED WITH TURF REMOVAL AND LANDSCAPE INSTALLATION AS DESCRIBED BELOW.
4. FOR PROPOSED INDIVIDUAL TREE PLANTING PITS
   KILLED TURF TO BE REMOVED SHALL BE CLEARED AND GRUBBED TO A MINIMUM DEPTH OF 4". EXCAVATED MATERIAL SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A LAWFUL MANNER. TURF SHALL BE THOROUGHLY REMOVED PRIOR TO THE PLANTING AND BACKFILL PROCESS. INSTALL TREES AS DETAILED. ESTABLISH FINISHED PRE-MULCHING GRADE WITHIN 4" BELOW TOP OF SURROUNDING TURF OR HARDSCAPE.

   TO ASSURE DRAINAGE/PERCOLATION OF INDIVIDUAL TREE PLANTING PITS PRIOR TO INSTALLATION, CONTRACTOR SHALL FILL SAMPLE TREE PITS (1 IN 5) WITH WATER AND OBSERVE PERCOLATION. HOLES SHALL PERCOLATE IN 30 MINUTES OR LESS. BRING DISCREPANCIES TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE.

   INSTALL BACKFILL MIXTURE IN LIFTS AND TAMP LIGHTLY AROUND EACH AND EVERY PLANT. THOROUGHLY FLUSH WITH WATER AT EACH LIFT AND MAKE ADJUSTMENTS TO PROVIDE PROPERLY SET PLANT MATERIAL WITH THE TOP OF ROOTBALL 1"-2" ABOVE FINISHED GRADE.
5. FOR PROPOSED PLANTING AREAS
   KILLED TURF TO BE REMOVED SHALL BE CLEARED AND GRUBBED TO A MINIMUM DEPTH OF 6". EXCAVATED MATERIAL SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A LAWFUL MANNER. TURF SHALL BE THOROUGHLY REMOVED PRIOR TO THE PLANTING PROCESS. BEFORE INSTALLING TOPSOIL, RAKE SUBSOIL SURFACE CLEAR OF STONES (1 INCH DIAMETER AND LARGER), DEBRIS, RUBBISH, DELETERIOUS MATERIALS. CONTAMINATED SOILS SHALL BE REMOVED AND REPLACED TO THEIR FULL DEPTHS AND EXTENTS. INSTALL TOPSOIL AT 6" DEPTH. TILL TOPSOIL AND EXISTING SUBSOIL TO A DEPTH OF 12". INSTALL PLANTINGS AS DETAILED. ESTABLISH OR RE-ESTABLISH PRE-MULCHING ROUGH GRADES INSURING POSITIVE FLOWS AND AESTHETIC LANDFORM SHAPES SHOWN IN THE GRADING PLANS.
6. FOR PROPOSED MULCH ON GRADE AREAS
   LEAVE KILLED TURF IN PLACE. REMOVE KILLED TURF ONLY AT EDGES OF BED, APPROXIMATELY 12" WIDTH, AS REQUIRED TO ESTABLISH A TAPERED DIFFERENCE IN GRADE SO THAT INSTALLED MULCH (3" DEPTH) SHALL BE FLUSH TO 1" BELOW ADJACENT TURF OR HARDSCAPE.
7. FOR PROPOSED SOD AREAS
   KILLED TURF TO BE REMOVED SHALL BE CLEARED AND GRUBBED TO A MINIMUM DEPTH OF 4". EXCAVATED MATERIAL SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A LAWFUL MANNER. TURF SHALL BE THOROUGHLY REMOVED PRIOR TO THE PLANTING AND BACKFILL PROCESS. INSTALL TOPSOIL AT 2" DEPTH. TOPSOIL SHALL ESTABLISH FINISHED GRADE AT 2" BELOW EXISTING TURF OR HARDSCAPE. INSTALL SOD AS DETAILED. BUTT SOD PIECES TOGETHER CLOSELY AND ENSURE EDGES ARE TRIMMED EVENLY. ENSURE EXISTING GRADES ARE RE-ESTABLISHED FOR A FLUSH TRANSITION.
8. AN EVEN, WELL DEFINED LINE SHALL SEPARATE PLANTING AND MULCH ON GRADE AREAS FROM ALL SOD OR SEEDED AREAS.
9. BACKFILL MIXTURE FOR TREES AND SHRUBS SHALL CONSIST OF 25% COARSE SAND, 25% "BLENDED SOIL" OR EQUAL, AND 50% EXISTING SOIL.
   DISCARD REMAINING SOIL IN A LAWFUL MANNER. ALL PLANTING BACKFILL MIXTURES ARE SUBJECT TO APPROVAL BY THE OWNER'S REPRESENTATIVE. MIX THOROUGHLY PRIOR TO INSTALLATION ACCORDING TO THE FOLLOWING SCHEDULE:

1 GALLON:	0.003 CY (0.08 CF)	COARSE SAND AND 0.003 CY (0.08 CF) "BLENDED SOIL"
3 GALLON:	0.006 CY (0.16 CF)	COARSE SAND AND 0.006 CY (0.16 CF) "BLENDED SOIL"
7 GALLON:	0.015 CY (0.4 CF)	COARSE SAND AND 0.015 CY (0.4 CF) "BLENDED SOIL"
15 GALLON:	0.03 CY (0.8 CF)	COARSE SAND AND 0.03 CY (0.8 CF) "BLENDED SOIL"
30 GALLON:	0.06 CY (1.6 CF)	COARSE SAND AND 0.06 CY (1.6 CF) "BLENDED SOIL"
45 GALLON:	0.11 CY (2.9 CF)	COARSE SAND AND 0.11 CY (2.9 CF) "BLENDED SOIL"
65 GALLON:	0.17 CY (4.6 CF)	COARSE SAND AND 0.17 CY (4.6 CF) "BLENDED SOIL"

   "BLENDED SOIL" SHALL CONSIST OF: 1/3 MUSHROOM COMPOST OR PEAT, 1/3 COMMERCIALLY PROCESSED AND COMPOSTED COW MANURE AND 1/3 COMPOSTED BARK. SUBMIT PRODUCT SAMPLE/DATA SHEET FOR BLENDED SOIL COMPONENTS TO OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO PURCHASE AND INSTALLATION.
10. TOPSOIL IMPORTED TO THE SITE SHALL BE SIEVED TOPSOIL, FREE OF ROCKS AND DEBRIS. CONTRACTOR SHALL SUBMIT SOIL ANALYSIS RESULTS FROM AN APPROVED AGRONOMIC SOILS TESTING LABORATORY FOR A MINIMUM OF PH, ORGANIC CONTENT, SOLUBLE SALTS, AND TEXTURE WITH A STATEMENT OF SUITABILITY FOR CENTIPEDE SOD (EREMOCHLOA OPHIUROIDES) AND SHRUBS/GRASSES. TOPSOIL SHALL BE FREE OF DELETERIOUS MATERIALS THAT WOULD BE HARMFUL TO PLANT GROWTH. SHALL BE FREE OF NEMATODES, SHALL BE OF UNIFORM QUALITY AND SHALL HAVE A PH VALUE BETWEEN 6.5 AND 7.5 (AS DETERMINED IN ACCORDANCE WITH ASTM E70). PEAT SHALL BE STERILIZED TO MAKE FREE OF ALL VIABLE NUT GRASS AND OTHER UNDESIRABLE WEEDS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE SUITABILITY FOR GROWTH OF ALL PROPOSED PLANT MATERIAL. SUBMIT PRODUCT SAMPLE/DATA SHEET FOR TOPSOIL TO OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO PURCHASE AND INSTALLATION.

    LANDSCAPE CONTRACTOR SHALL BEAR FINAL RESPONSIBILITY FOR PROPER SURFACE DRAINAGE OF PLANTED AREAS. FINISH GRADE ALL PREPARED TOPSOIL AREAS TO A SMOOTH, EVEN SURFACE ENSURING A MINIMUM 3% POSITIVE DRAINAGE AWAY FROM STRUCTURES AND ELIMINATE ANY LOW AREAS WHICH MAY COLLECT WATER. ANY DISCREPANCY IN THE DRAWINGS, OBSTRUCTION ON THE SITE, OR PRIOR WORK DONE BY ANOTHER PARTY WHICH THE LANDSCAPE CONTRACTOR FEELS PRECLUDES ESTABLISHING PROPER DRAINAGE SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF OWNER'S REPRESENTATIVE.
11. INSTALL FERTILIZER PER MANUFACTURER RECOMMENDATIONS. CONTRACTOR SHALL CONFIRM FERTILIZER REQUIREMENTS PER LOCAL MUNICIPALITY. AS A MINIMUM FOR BIDDING PURPOSES THE CONTRACTOR SHALL ASSUME THE FOLLOWING CONCERNING FERTILIZER:

    FOR INITIAL INSTALLATION OF TREES AND SHRUBS, FERTILIZER IS ASSUMED TO BE CONTROLLED RELEASE FERTILIZER WITH A 15-9-12 ANALYSIS AND CONTAINING TRACE ELEMENTS MG, S, B, CU, FE, MN, MO, AND ZN. FERTILIZER GRANULES SHALL BE COMPOSED OF DRY NUTRIENTS ENCAPSULATED IN MULTIPLE LAYERS OF POLYMERIC RESIN.

    FOR INSTALLATION OF CENTIPEDE SOD, FERTILIZER IS ASSUMED TO BE CONTROLLED RELEASE FERTILIZER WITH A 16-4-8. SOURCE FOR N SHALL BE RESIN-COATED UREA OR RESIN COATED AMMONIUM SALTS. MN, ZN, AND CU SHALL BE SULFATE FORMS. FE SHALL BE GRANULAR CHELATED IRON.

    APPLICATION RATES ARE PROVIDED AS A RECOMMENDATION ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE APPROPRIATE FERTILIZER/AMENDMENTS TO ENSURE PROPER ESTABLISHMENT AND VIGOR OF PLANT MATERIAL:

1.0 OZ PER EA 1 GALLON CONTAINER	3.0 OZ PER EA 3 GALLON CONTAINER	
6.0 OZ PER EA 7 GALLON CONTAINER	9.0 OZ PER EA 15 GALLON CONTAINER	16.0 OZ PER EA 30 GALLON CONTAINER
4.0 OZ PER EA 45 GALLON CONTAINER	32.0 OZ PER EA 65 GALLON CONTAINER	

    FOR GRASSING AND SOD AREAS: APPLY 6 LBS/1000SF.
12. BUILD EARTHEN SAUCER TO CONTAIN WATER AROUND EACH INDIVIDUAL TREE PLANTING PIT AND AT THE PERIMETER OF ALL PLANTING AREAS. REMOVE EXCESS EXCAVATED SOIL FROM THE SITE AND DISPOSE OF IN A LAWFUL MANNER.
13. SPREAD MULCH AROUND INDIVIDUAL TREE RINGS, PLANTING AND MULCH AREAS.
    MULCHING FOR INDIVIDUAL TREE RINGS, PLANTING, AND MULCH AREAS SHALL BE FINE BARK MULCH, FULL LENGTH, DRY, BRIGHT IN COLOR, FRESHLY BALED, AND 3" DEPTH AFTER SETTLING, COMPOSED ONLY OF NEEDLES OF SLASH, LOBLOLLY, OR LONGLEAF PINE. FINE BARK SHALL NOT BE USED IF IT IS ROTTED OR MOLDY, OR CONTAINS SEED, TUBERS, OR RHIZOMES OF ANY NOXIOUS SPECIES. THE ENTIRE LOT OF PINE BARK NUGGETS BE REJECTED IF THERE IS ANY EVIDENCE THAT THE FINE BARK LOT WAS HARVESTED FROM A SITE INFESTED WITH LYGODIUM JAPONICUM OR LYGODIUM MICROPHYLLUM (CLIMBING FERN). MULCH SHALL BE UNIFORMLY SPREAD OVER THE FULL DIAMETER OF EACH INDIVIDUAL TREE RING, PLANTING, AND MULCH AREA. MULCH AREAS INCLUDE INITIAL INSTALLATION (3" DEPTH) PLUS RE-MULCHING (1.5" DEPTH MINIMUM) A MINIMUM ONCE PER YEAR DURING THE (1) YEAR WARRANTY PERIOD. MULCH SHALL NOT BE PLACED AGAINST TRUNKS OR STEMS OF PLANTS. SUBMIT PRODUCT SAMPLE/DATA SHEET FOR MULCH TO OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO PURCHASE AND INSTALLATION.
14. PRE-EMERGENT HERBICIDE SHALL BE APPLIED TO ALL INDIVIDUAL TREE RINGS, PLANTING, AND MULCH AREAS. THE HERBICIDE ACTIVE INGREDIENTS SHALL BE SUITABLE FOR CONTROL OF ANNUAL AND PERENNIAL BROADLEAF WEEDS ANY GRASSES. THE HERBICIDE SHALL BE APPLIED BY HAND. MANUFACTURER RECOMMENDATIONS FOR APPLICATION METHOD, TIMING AND APPLICATION RATE SHALL BE STRICTLY ADHERED TO.

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

No.	Date	Issue / Revision

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FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

LANDSCAPE NOTES

DWG NO. L502

SHEET NO.

ESCAMBIA COUNTY NOTES:

LANDSCAPE INSTALLATION (DESIGN STANDARDS MANUAL 2-6.2):

WHENEVER LANDSCAPING IS REQUIRED OR ANY CONDITION OF COUNTY APPROVAL IT SHALL BE INSTALLED IN A SOUND MANNER ACCORDING TO ESTABLISHED PROFESSIONAL STANDARDS, AND IN COMPLIANCE WITH THIS MANUAL.

A. PLANT PLACEMENT. THE INSTALLATION OF PLANTS IN APPROPRIATE LOCATIONS IS ESSENTIAL TO THEIR LONG-TERM SURVIVAL. LOCATIONS SHOULD MATCH MATURE PLANT SIZE TO AVAILABLE SOIL VOLUME AND OTHER CONDITIONS FOR GROWTH. APPROPRIATE SEPARATION FROM PAVEMENT AND STRUCTURES, INCLUDING STREETS, DRIVEWAYS, CURBS, SIDEWALKS, SIGNS, LIGHTS AND UTILITIES MUST BE PROVIDED.

1. SIGHT DISTANCES. LANDSCAPING WITHIN THE SIGHT DISTANCE AREAS PRESCRIBED IN ARTICLE 5 FOR STREETS AND SITE ACCESS SHALL BE DESIGNED, INSTALLED AND MAINTAINED TO ALLOW VISIBILITY BETWEEN THREE FEET AND NINE FEET ABOVE GRADE. THE TRUNKS OF MATURE TREES TRIMMED OF FOLIAGE TO NINE FEET, AND NEWLY PLANTED TREES WITH IMMATURE CROWN DEVELOPMENT ALLOWING VISIBILITY ARE GENERALLY ACCEPTABLE WITHIN SUCH AREAS.
2. MINIMUM TREE AREA. EACH NEW TREE SHALL BE PLANTED AT THE CENTER OF A MINIMUM PERMANENT PERVIOUS ROOTING AREA CLEAR OF ALL OBSTRUCTIONS TO ALLOW GROWTH TO MATURITY. THE MINIMUM RADIUS OF THE ROOTING AREA SHALL BE FOUR FEET FOR AN UNDERSTORY TREE AND SIX FEET FOR A CANOPY TREE. THIS MINIMUM CIRCULAR AREA SHALL CONTAIN NO SIDEWALKS, CURBS OR PAVEMENT AND NO STRUCTURES, INCLUDING LIGHT OR UTILITY POLES, SIGNS, MANHOLES, STORMWATER INLETS, VAULTS, TRANSFORMERS, FIRE HYDRANTS OR BACKFLOW PREVENTERS.
3. MINIMUM TREE SPACING. EACH NEW CANOPY AND UNDERSTORY TREE SHALL BE PLANTED AT LEAST 12 FEET FROM ANY OTHER TREE. ADDITIONALLY, ANY TREES TO BE PLANTED WITHIN THE CRITICAL ROOT ZONES OF PRESERVED CANOPY TREES ARE LIMITED TO UNDERSTORY TREES.
4. OVERHEAD UTILITIES. WHERE OVERHEAD UTILITIES EXIST, ONLY PLANTS THAT WILL NOT CREATE PERSISTENT UTILITY MAINTENANCE OR INTERFERENCE PROBLEMS MAY BE INSTALLED. TO PREVENT TREES FROM BECOMING ENERGIZED OR DISRUPTING ELECTRICAL SERVICE, TREE PLANTING DIRECTLY BELOW POWER LINES SHALL BE AVOIDED AND ONLY UNDERSTORY TREES PLANTED NEAR POWER LINES. WITHIN AN ESTABLISHED ELECTRIC UTILITY RIGHT-OF-WAY NO VEGETATION SHALL BE PLANTED THAT WILL ACHIEVE A HEIGHT GREATER THAN 14 FEET OR INTRUDE FROM THE SIDE CLOSER THAN TEN FEET TO POWER LINES, OR EXCEED CLEARANCES OTHERWISE REQUIRED BY APPLICABLE ANSI STANDARDS. ANY CANOPY TREES PLANTED SHALL BE AT LEAST 25 FEET FROM POWER LINES, AND LARGE MATURING SPECIES SHOULD BE PLANTED AT LEAST 50 FEET AWAY.

B. ACCOMMODATING TREE ROOTS. IN ADDITION TO THE MINIMUM AREAS REQUIRED BY THIS ARTICLE FOR PLANTED AND PRESERVED TREES, CURB, SIDEWALKS, AND OTHER CONCRETE AROUND TREES SHOULD BE MINIMIZED AND MORE FLEXIBLE MATERIALS UTILIZED TO ACCOMMODATE TREE ROOTS, INCLUDING CRUSHED STONE, BRICK-IN-SAND, AND POROUS PAVERS.

PLANT_SCHEDULE

SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME	CAL	REMARKS
TREES					
	ACE RUB	12	ACER RUBRUM 'FLORIDA FLAME' / FLORIDA FLAME RED MAPLE	45 GAL.	14' HT X 3' SPD, 4" CAL, FLORIDA NO. 1
	ILE CAS	27	ILEX CASSINE / DAHOON HOLLY	45 GAL.	14' HT X 3' SPD, 3" CAL, 3' CT, FLORIDA NO. 1
	LAG IND	7	LAGERSTROEMIA INDICA 'MUSKOGEE' / MUSKOGEE CRAPE MYRTLE	45 GAL.	10'-12' HT X 5' SPD, 2.5" CAL, STANDARD TRUNK, FLORIDA NO. 1
	MAG GRA	6	MAGNOLIA GRANDIFLORA / SOUTHERN MAGNOLIA	45 GAL.	10'-12' HT X 4' SPD, 2" CAL, FULL TO GROUND
	PIN ELL	16	PINUS ELLIOTTII / SLASH PINE	30 GAL.	8'-9' HT X 3'-4' SPD, 3" CAL, FLORIDA NO. 1
	QUE SHU	17	QUERCUS SHUMARDII / SHUMARD OAK	65 GAL.	12'-13' HT X 3'-4' SPD, 2.5" CAL, FLORIDA NO. 1
	TAX DIS	23	TAXODIUM DISTICHUM / BALD CYPRESS	45 GAL.	10'-12' HT X 3'-4' SPD, 2.5" CAL, FLORIDA NO. 1

SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME	CONT	REMARKS
SHRUBS					
	CAM SAS	2	CAMELLIA SASANQUA / SHISHI GASHIRA	7 GAL.	36"-48" HT X 48" SPD, SPACING AS SHOWN
	CAM SA2	20	CAMELLIA SASANQUA / OCTOBER MAGIC	7 GAL.	24" HT X 36" SPD, SPACING AS SHOWN
	HAM FIR	44	HAMELIA PATENS / FIREBUSH	3 GAL.	24" HT X 24" SPD, SPACING AS SHOWN
	MUH CAP	161	MUHLENBERGIA CAPILLARIS / PINK MUHLY GRASS	1 GAL.	24" HT X 24" SPD, FULL CLUMP
	RHO LIL	34	RHODODENDRON X 'ROBLES' / LILAC AZALEA	3 GAL.	18" HT X 18" SPD, SPACING AS SHOWN
	SER REP	21	SERENOA REPENS 'CINEREA' / SILVER SAW PALMETTO	7 GAL.	24" HT X 24" SPD, SPACING AS SHOWN
	TRI DAC	64	TRIPSACUM DACTYLOIDES / FAKAHATCHEE GRASS	1 GAL.	24" HT X 24" SPD, FULL CLUMP
	TRI FLO	100	TRIPSACUM FLORIDANUM / DWARF FAKAHATCHEE GRASS	1 GAL.	24" HT X 24" SPD, FULL CLUMP
	VIB OBO	186	VIBURNUM OBOVATUM / WALTER'S VIBURNUM	3 GAL.	36" HT X 24"-36" SPD, SPACING AS SHOWN
	ZAM PUM	58	ZAMIA PUMILA / COONTIE	3 GAL.	18" HT X 18" SPD, SPACING AS SHOWN

SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME	CONT	REMARKS
GROUND COVERS					
	ARC GLA	415	ARACHIS GLABRATA 'ECOTURF' / PERENNIAL PEANUT	1 GAL.	12" HT X 12" SPD, 18" O.C, FULL TO POT
	HEM LIL	99	HEMEROCALLIS LILIOASPHODELUS / YELLOW DAYLILY	1 GAL.	18" HT X 18" SPD, 18" O.C., FULL CLUMP
	LIR MUS	760	LIRIOPE MUSCARI "EMERALD GODDESS" / LIRIOPE	1 GAL.	12" HT X 12" SPD, 18" O.C., FULL CLUMP
	TRA JAS	936	TRACHELOSPERMUM JASMINOIDES 'VARIEGATUM' / VARIEGATED CONFEDERATE JASMINE	1 GAL.	12" HT X 12" SPD, 18" O.C, FULL TO POT
SOD/SEED					
	SY SOD	2,570	EREMOCHLOA OPHIUROIDES / CENTIPEDE SOD	SEED	12"X24" PIECES, WEED FREE, SOD SHALL BE CLEAN AND REASONABLY FREE OF WEEDS, NOXIOUS PESTS, AND DISEASES.
	SY SEED	4,989	EREMOCHLOA OPHIUROIDES SEED / CENTIPEDE SEED	SEED	BROADCAST SEED

NOTE: ALL PLANTS SHALL CONFORM TO THE STANDARDS FOR FLORIDA GRADE NO. 1, OR BETTER AS PROVIDED IN THE LATEST EDITION OF GRADES AND STANDARDS FOR NURSERY PLANTS, DIVISION OF PLANT INDUSTRY, FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES.

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

No.	Date	Issue / Revision

halff
2255 KILLEARN CENTER BLVD.
SUITE 200
TALLAHASSEE, FLORIDA 32309
TEL. (850) 224-4400

LAURA M. DUPLAIN, PLA
PLA NO. 6667408

HALFF ASSOCIATES, INC.
2255 KILLEARN CENTER BLVD., SUITE 200
TALLAHASSEE, FLORIDA 32309
FL LC 26000645

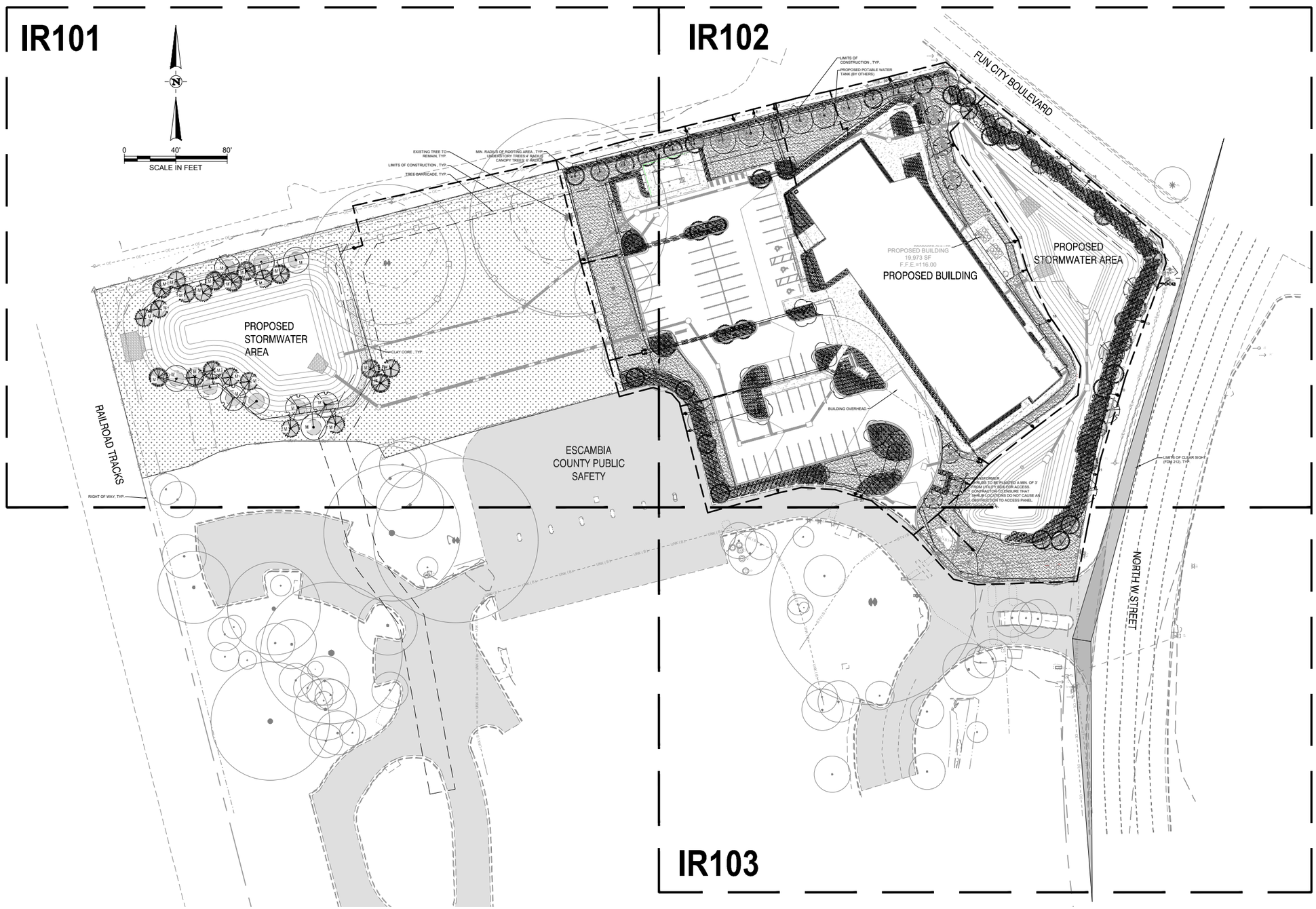
FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

LANDSCAPE NOTES

DWG NO. L503

SHEET NO.



IRRIGATION NOTE:

THESE DRAWINGS ARE TO BE CONSIDERED DIAGRAMMATIC. THE LOCATIONS OF EQUIPMENT SHOWN SHALL BE COORDINATED IN THE FIELD AND ADJUSTED AS NECESSARY TO AVOID CONFLICTS AND TO REACT TO FIELD VARIABLES. DUE TO THE SMALL SCALE OF THE DRAWINGS IT IS OFTEN NECESSARY TO SHOW PIPING OR OTHER ELEMENTS OUTSIDE RIGHTS OF WAY OR IN PAVEMENT AREAS. THE INSTALLATION OF ALL PIPING AND OTHER EQUIPMENT SHALL BE IN PERVIOUS AREAS AND WITHIN RIGHTS OF WAY UNLESS IT IS SPECIFICALLY NOTED TO THE CONTRARY.

EXISTING TREES:

CONTRACTOR TO AVOID WORKING WITHIN EXISTING TREE DRIP LINE IF POSSIBLE. ALL WORK WITHIN EXISTING TREE DRIP LINE SHALL BE DONE USING HAND TOOLS ONLY. CONTRACTOR TO KEEP ROOT DISTURBANCE TO A MINIMUM.

IMPORTANT:

- IRRIGATION DESIGN TO MEET ESCAMBIA COUNTY IRRIGATION STANDARDS.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO KEEP A CLEAN SET OF AS-BUILT DRAWINGS ON SITE DURING THE INSTALLATION OF THIS SYSTEM. AS-BUILT DRAWINGS MUST BE UPDATED DAILY AND PROVIDED TO THE OWNER'S REPRESENTATIVE PRIOR TO FINAL PAYMENT.
- ALL PRESSURES AND FLOWS SHALL BE ADEQUATE FOR THE COMPLETION OF THIS PROJECT.
- IRRIGATION ZONES SHALL BE DIVIDED INTO DRIP, SPRAY, ANNUAL/PLANTER, AND TREE BUBBLER ZONES. IRRIGATION TYPES MAY NOT OVERLAP.

Call Before You Dig

Call Sunshine State One Call, at **811** or **800-432-4770**, two full days before digging in any easement, right-of-way or permitted use area.

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FLORIDA-ALABAMA TPO

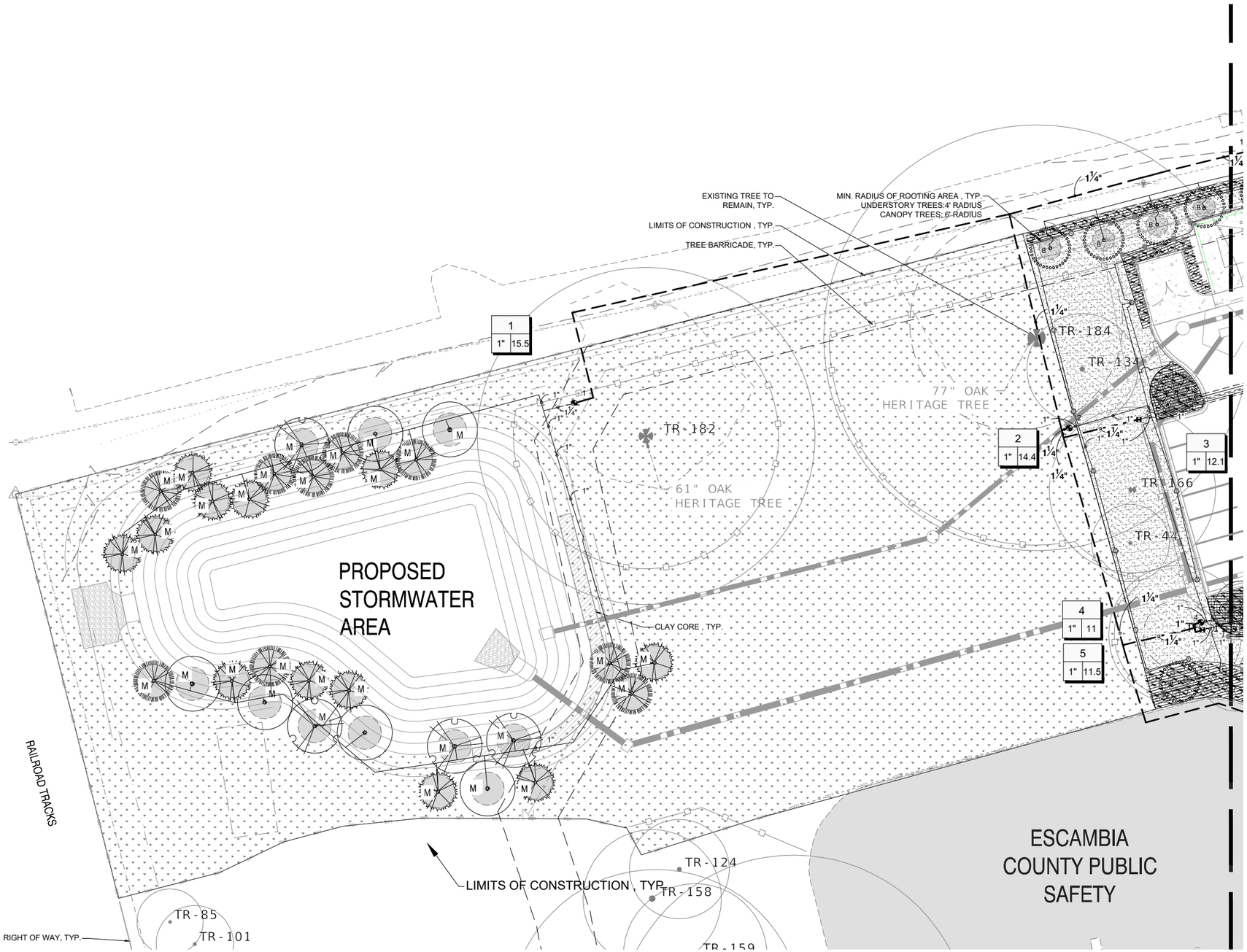
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

OVERALL IRRIGATION PLAN

DWG NO. IR100
SHEET NO.

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G10-11.011, F.A.C.

FILE NAME: A:\53000s\53197001\LA\CADD\Sheets\L-BASE-IRRI-53197.001 (enhancement).dwg DATE: June 20, 2025, TIME: 9:39 AM, USER: ah5043 AVO: 53197-001



NOTE:
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NOTE: SOD TO BE IRRIGATED DURING ESTABLISHMENT PERIOD.

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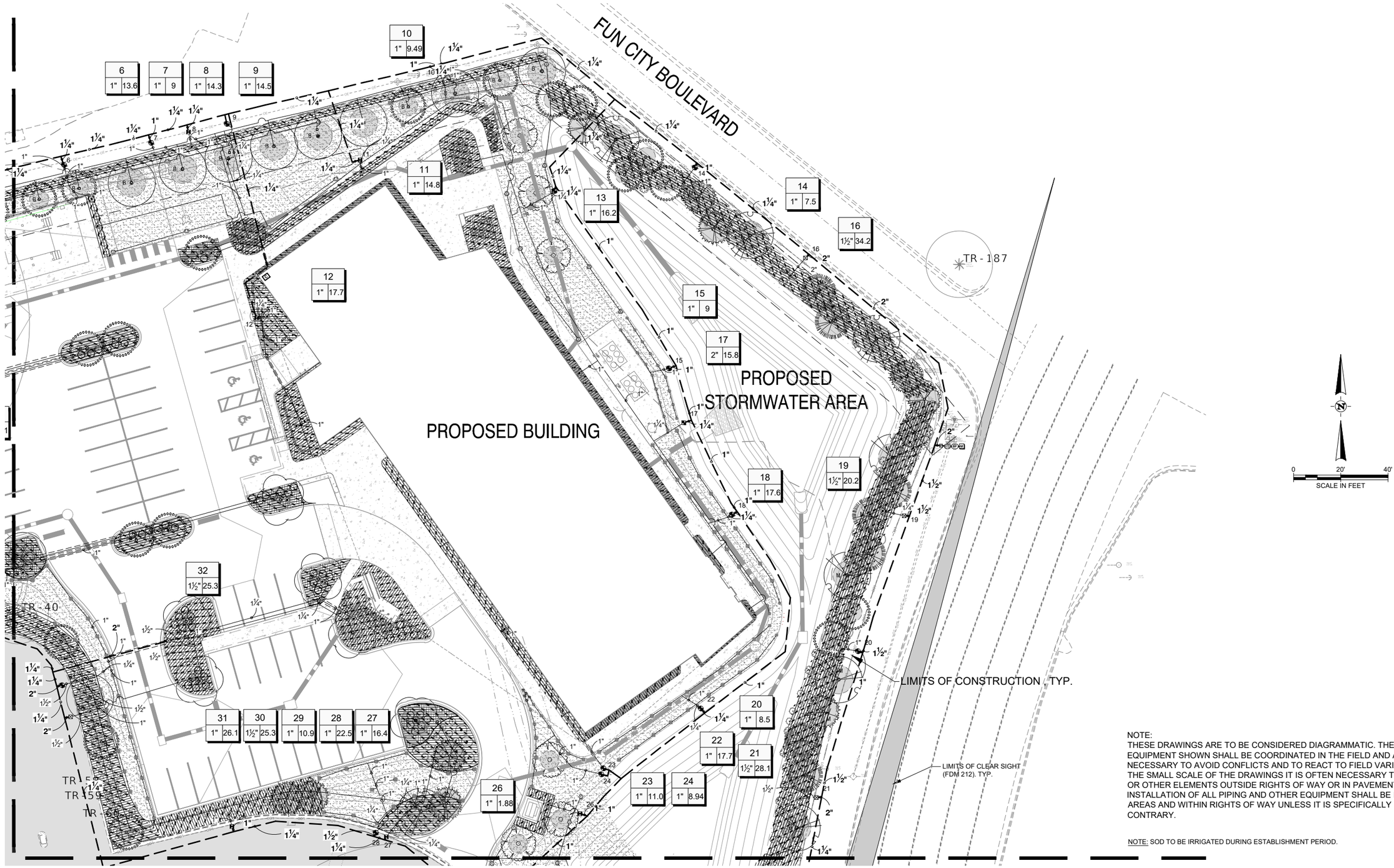
FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

IRRIGATION PLAN

DWG NO. IR101

SHEET NO.



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FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

IRRIGATION PLAN

DWG NO. IR102
SHEET NO.

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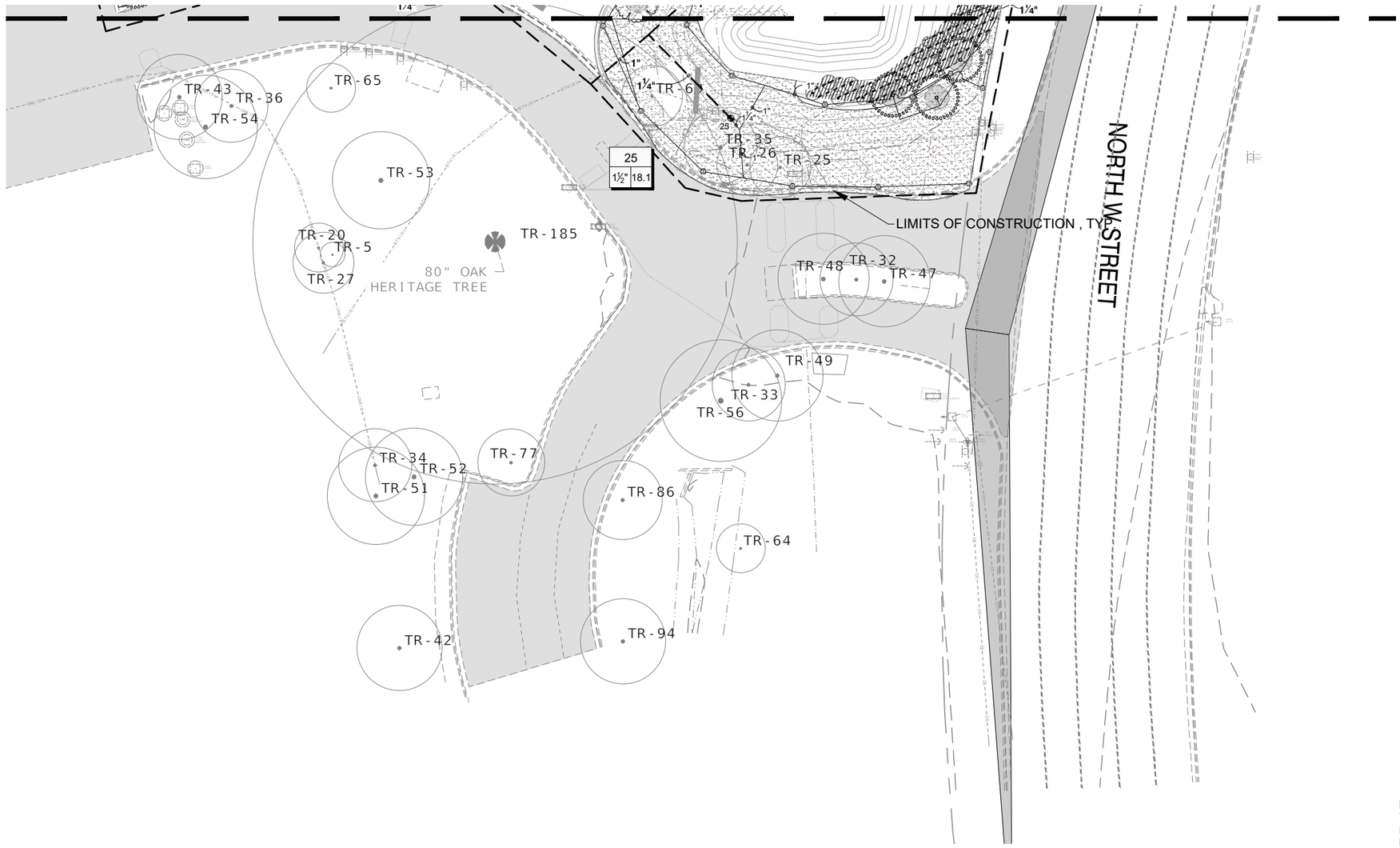
FILE NAME: A:\53000s\53197\001\LA\CADD\Sheets\L-BASE-IRRI-53197.001 (enhancement).dwg DATE: June 20, 2025, TIME: 9:39 AM, USER: ah5043 AVO: 53197-001

MATCHLINE - REFER TO SHEET IR102



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FL LC 26000645

FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

IRRIGATION PLAN

DWG NO. IR103
SHEET NO.

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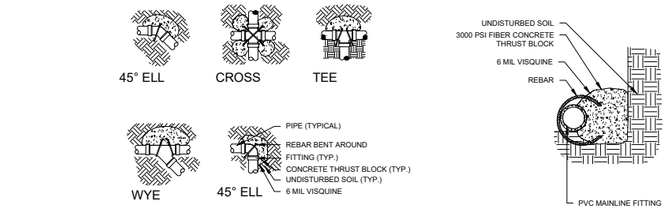


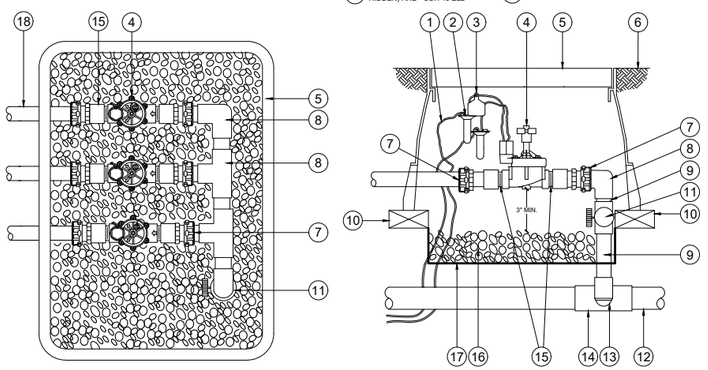
NOTES:

1. SUPPLY LINES 2.0 INCHES IN DIAMETER AND LARGER SHALL RECEIVE CONCRETE THRUST BLOCKS AS SPECIFIED HEREIN & AS APPLICABLE.
2. ALL CONCRETE TO BE 2800 PSI OR STRONGER.
3. ALL REBAR SHALL BE RUST-FREE.
4. FITTINGS TO BE WRAPPED IN VISQUEEN BEFORE POURING THE THRUST BLOCK.
5. CONCRETE IS NOT TO INCASE THE IRRIGATION MAINLINE

1 TYPICAL THRUST BLOCKING DETAILS

NTS

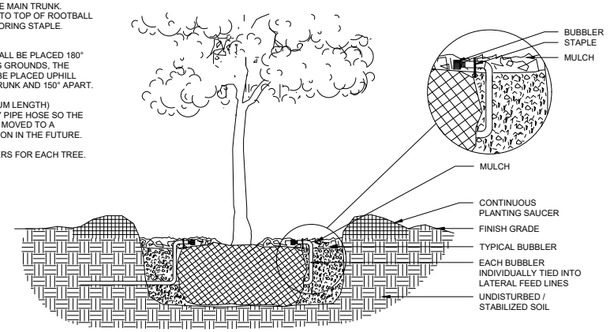
1. 6-FEET LINEAR LENGTH OF WIRE, COILED
2. WATERPROOF CONNECTION
3. ZONE ID TAG
4. CONTROL VALVE:
5. VALVE BOX
6. FINISH GRADE/TOP OF MULCH
7. PVC UNION
8. PVC SCH 40 ELL OR TEE
9. PVC SCH 80 NIPPLE
10. BRICK (1 OF 4)
11. PVC BALL VALVE
12. PVC MAINLINE PIPE
13. SCH 80 NIPPLE (2-INCH LENGTH, HIDDEN) AND SCH 40 ELL
14. PVC SCH 40 OR MEGALUG TEE OR ELL AS REQUIRED
15. PVC SCH 40 MALE ADAPTER
16. 3.0-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL
17. MIRAFI 140NC GEOTEXTILE FABRIC
18. PVC LATERAL PIPE



PLAN VIEW

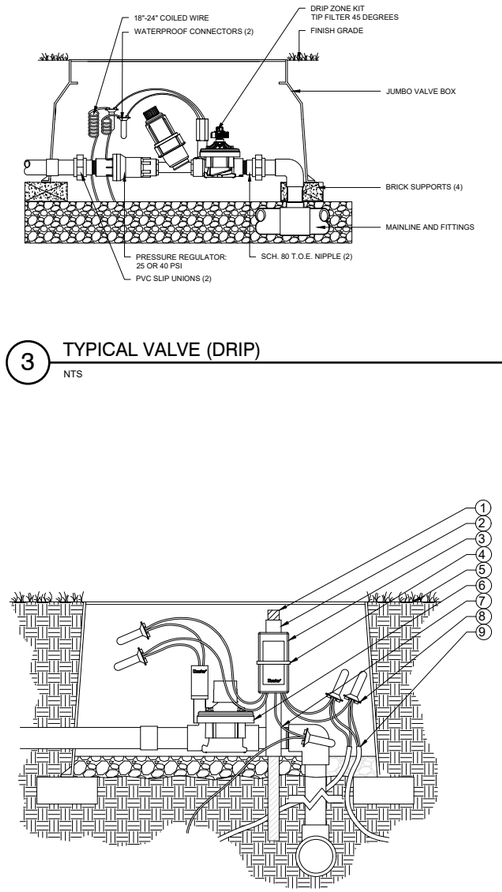
NOTES:

1. BUBBLERS ARE TO PLACED AT THE MIDPOINT BETWEEN THE EDGE OF THE ROOTBALL AND THE MAIN TRUNK. SECURE BUBBLER TO TOP OF ROOTBALL WITH A SOIL ANCHORING STAPLE.
2. THE BUBBLERS SHALL BE PLACED 180" APART, IN SLOPING GROUNDS, THE BUBBLERS SHALL BE PLACED UPHILL FROM THE TREE TRUNK AND 150" APART.
3. PROVIDE (5' MINIMUM LENGTH) SUFFICIENT FUNNY PIPE HOSE SO THE BUBBLERS CAN BE MOVED TO A DIFFERENT LOCATION IN THE FUTURE.
4. PROVIDE 2 BUBBLERS FOR EACH TREE.



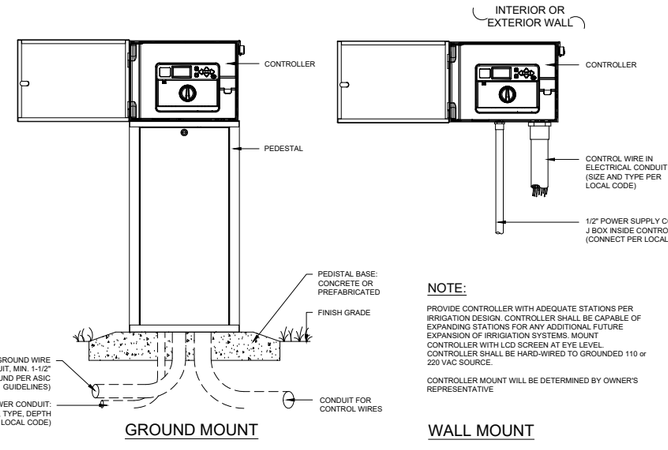
2 TYPICAL BUBBLER DETAIL

NTS



3 TYPICAL VALVE (DRIP)

NTS



GROUND MOUNT

NOTE:

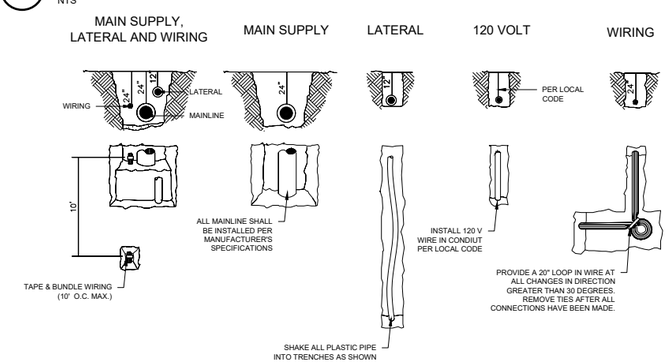
PROVIDE CONTROLLER WITH ADEQUATE STATIONS PER IRRIGATION DESIGN. CONTROLLER SHALL BE CAPABLE OF EXPANDING STATIONS FOR ANY ADDITIONAL FUTURE EXPANSION OF IRRIGATION SYSTEMS. MOUNT CONTROLLER WITH LCD SCREEN AT EYE LEVEL. CONTROLLER SHALL BE HARD-WIRED TO GROUNDED 110 or 220 VAC SOURCE.

CONTROLLER MOUNT WILL BE DETERMINED BY OWNER'S REPRESENTATIVE

WALL MOUNT

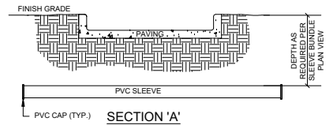
4 TYPICAL VALVE MANIFOLD (BUBBLERS)

NTS



5 TYPICAL CONTROLLER

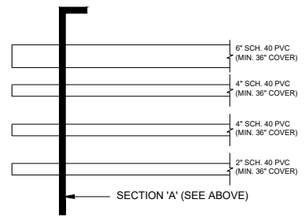
NTS



SECTION 'A'

NOTES:

1. TO FACILITATE FUTURE CABLE INSTALLATION, CONDUITS ARE PLACED AS STRAIGHT AS POSSIBLE WITHIN THE TRENCH.
2. WHERE CONDUIT BREAKS ARE ANTICIPATED (I.E. AT ROAD CROSSINGS WITH MEDIAN ACCESS) THE ENTIRE LENGTH SHALL BE INSTALLED AS ONE UNIT AND THEN THE BREAK SHALL BE CUT AND REMOVED.
3. SLEEVING SHALL EXTEND A MINIMUM OF 24" BEYOND EDGE OF PAVEMENT.
4. THE LOCATION OF SLEEVE ENDS SHALL BE RECORDED USING TWO PERMANENT REFERENCE POINTS AND THE APPROXIMATE DEPTH BELOW FINISH GRADE.
5. CONDUITS SHALL BE INSTALLED WITH CLEAN (BARB FREE) ENDS AND FREE OF CRACKING AND OTHER DAMAGE.
6. CONTRACTOR TO REFER TO IRRIGATION PLANS FOR SLEEVE SIZE, QUANTITY AND LOCATION



PLAN

*REQUIRED CONDUIT SIZES FOR NON STANDARD SLEEVE BUNDLES.

6 ICD-100 DECODER ON STAKE

NTS

PIPE SIZE TABLE

IRRIGATION ZONE DEMAND GALLONS PER MINUTE (GPM)	MINIMUM PIPE SIZE
5-10	3/4"
11-15	1"
16-25	1-1/4"
26-32	1-1/2"
33-52	2"
53-75	2-1/2"
76-110	3"

REFER TO EACH IRRIGATION ZONE ON PLAN DRAWINGS FOR ZONE GPM

ALL PIPE SHALL BE SIZED SO AS NOT TO EXCEED 5 FPS

7 TYPICAL TRENCH DETAIL

NTS

8 SLEEVE BUNDLE

NTS

9 PIPE SIZE TABLE

NTS

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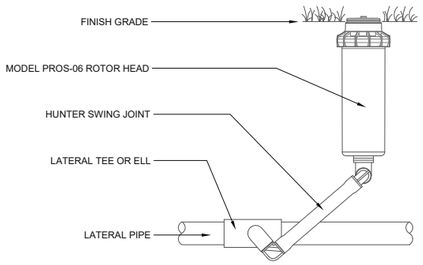
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

IRRIGATION DETAILS

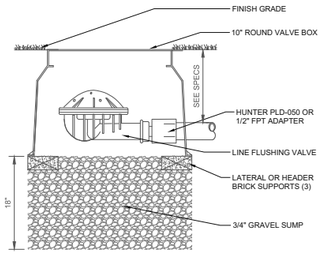
DWG NO. IR-501

SHEET NO.

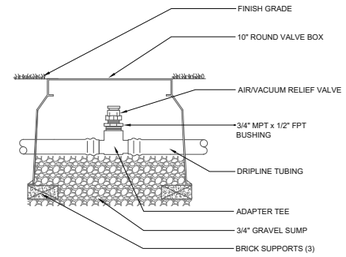
*WHEN USING LARGER GMP NOZZLES, BEWAREOF HIGHB FRICTION LOSS IN SWING JOINTS.



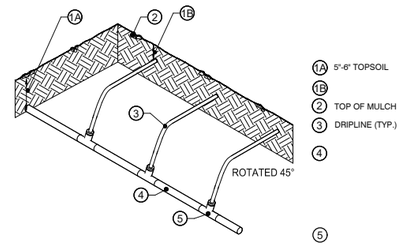
10 PROS-06 ROTOR HEAD WITH SWING JOINT
NTS



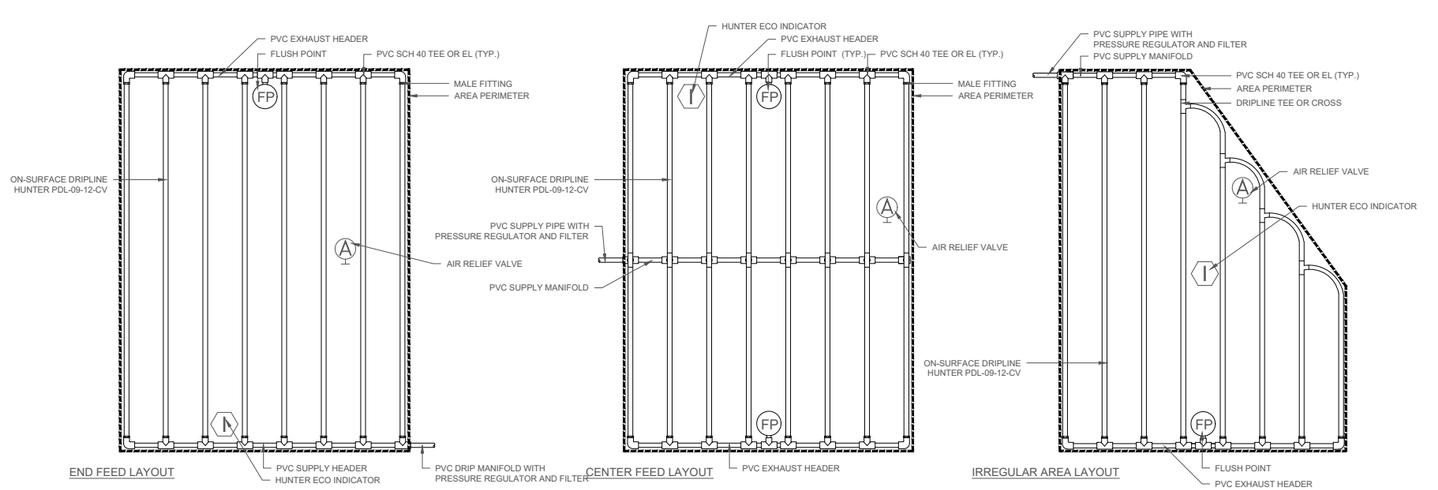
11 FLUSH VALVE AUTO
NTS



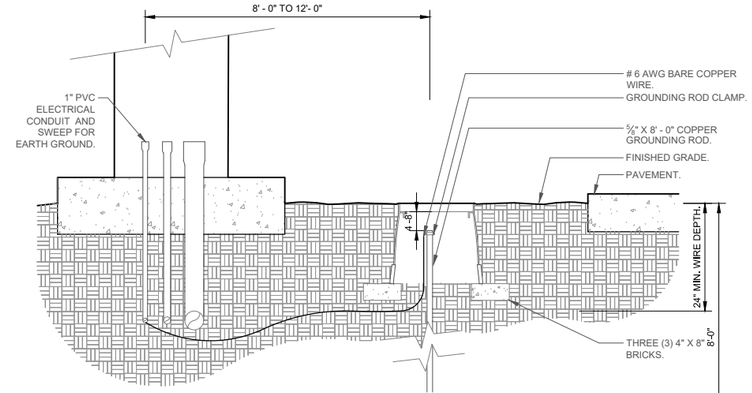
12 AIR RELIEF TUBING
NTS



13 SUPPLY / EXHAUST MANIFOLD FOR DRIP IRRIGATION
NTS



14 TYPICAL DRIP LAYOUT
NTS



NOTES:
1- ALL GROUNDING REQUIREMENTS FOR CONTROLLERS SHALL CONFORM TO LOCAL ELECTRIC CODES.

2- GROUNDING ROD SHALL NOT BE LOCATED IN THE SAME TRENCH AS THE IRRIGATION MAINLINES OR LATERAL LINES.

3- VALVE BOX SHALL BE WRAPPED WITH A MINIMUM 3 MIL THICK PLASTIC AND SECURED TO THE VALVE BOX USING DUCT TAPE OR ELECTRICAL TAPE.

4- INSTALL GROUNDING ROD PER THE CONTROLLER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

15 GROUNDING ROD
NTS

CALL 48 HOURS BEFORE YOU DIG
It's the Law!
1-800-432-4770
SUNSHINE STATE ONE CALL OF FLORIDA, INC.

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

No.	Date	Issue / Revision

halff
2255 KILLEARN CENTER BLVD.
SUITE 200
TALLAHASSEE, FLORIDA 32309
TEL. (850) 224-4400

LAURA M. DUPLAIN, PLA
PLA NO. 6667408

HALFF ASSOCIATES, INC.
2255 KILLEARN CENTER BLVD., SUITE 200
TALLAHASSEE, FLORIDA 32309
FL LC 26000645

FLORIDA-ALABAMA TPO

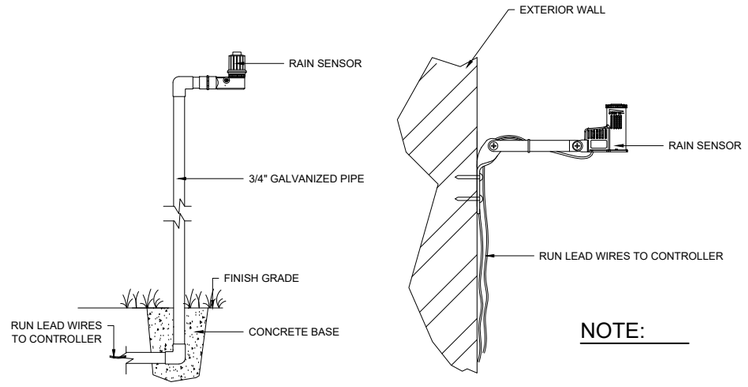
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

IRRIGATION DETAILS

DWG NO. IR-502
SHEET NO.

VALVE SCHEDULE

NUMBER	MODEL	SIZE	TYPE	GPM	DESIGN PSI	PRECIP
1	HUNTER ICV-G	1"	BUBBLER	15.5	15	1.7 in/h
2	HUNTER ICV-G	1"	TURF ROTARY	14.36	30	0.27 in/h
3	HUNTER ICZ-101-40	1"	AREA FOR DRIPLINE	12.14	15	1.44 in/h
4	HUNTER ICV-G	1"	BUBBLER	11	15	1.7 in/h
5	HUNTER ICZ-101-40	1"	AREA FOR DRIPLINE	11.51	15	1.44 in/h
6	HUNTER ICV-G	1"	TURF SPRAY	13.62	30	1.55 in/h
7	HUNTER ICV-G	1"	BUBBLER	9	15	1.7 in/h
8	HUNTER ICZ-101-40	1"	AREA FOR DRIPLINE	14.31	15	1.44 in/h
9	HUNTER ICV-G	1"	TURF ROTARY	14.51	30	0.33 in/h
10	HUNTER ICV-G	1"	TURF SPRAY	9.49	30	1.29 in/h
11	HUNTER ICZ-101-40	1"	AREA FOR DRIPLINE	14.84	15	1.45 in/h
12	HUNTER ICZ-101-40	1"	AREA FOR DRIPLINE	17.7	15	1.44 in/h
13	HUNTER ICV-G	1"	TURF ROTARY	16.16	30	0.39 in/h
14	HUNTER ICV-G	1"	BUBBLER	7.5	15	1.7 in/h
15	HUNTER ICV-G	1"	TURF SPRAY	9	30	2.31 in/h
16	HUNTER ICZ-151-XL-40	1-1/2"	AREA FOR DRIPLINE	34.19	15	1.44 in/h
17	HUNTER ICZ-201-XL-40	2"	AREA FOR DRIPLINE	17.84	15	1.45 in/h
18	HUNTER ICV-G	1"	TURF SPRAY	17.55	30	1.65 in/h
19	HUNTER ICZ-151-XL-40	1-1/2"	AREA FOR DRIPLINE	20.22	15	1.44 in/h
20	HUNTER ICV-G	1"	BUBBLER	8.5	15	1.7 in/h
21	HUNTER ICZ-151-XL-40	1-1/2"	AREA FOR DRIPLINE	28.13	15	1.44 in/h
22	HUNTER ICV-G	1"	TURF SPRAY	17.72	30	1.61 in/h
23	HUNTER ICV-G	1"	AREA FOR DRIPLINE	10.95	15	1.44 in/h
24	HUNTER ICV-G	1"	TURF SPRAY	8.94	30	1.35 in/h
25	HUNTER ICV-G	1-1/2"	TURF ROTARY	18.05	30	0.31 in/h
26	HUNTER ICZ-101-40	1"	AREA FOR DRIPLINE	1.88	15	1.44 in/h
27	HUNTER ICZ-101-40	1"	AREA FOR DRIPLINE	16.41	15	1.44 in/h
28	HUNTER ICV-G	1"	TURF SPRAY	22.52	30	1.7 in/h
29	HUNTER ICZ-101-40	1"	AREA FOR DRIPLINE	10.91	15	1.44 in/h
30	HUNTER ICZ-151-XL-40	1-1/2"	AREA FOR DRIPLINE	25.32	15	1.44 in/h
31	HUNTER ICV-G	1"	TURF SPRAY	26.07	30	1.52 in/h
32	HUNTER ICZ-151-XL-40	1-1/2"	AREA FOR DRIPLINE	25.28	15	1.44 in/h



GROUND MOUNT WALL MOUNT

16 TYPICAL RAIN SENSOR

NTS

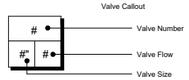
IRRIGATION SCHEDULE:

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
2Q 2H 4Q 4H 6Q 6H	HUNTER PROS-06-PRS30 SR SERIES TURF SPRAY, 30 PSI REGULATED 6IN. POP-UP. CO-MOLDED WIPER SEAL WITH UV RESISTANT MATERIAL.	32
Q T H F	HUNTER PROS-06-PRS30 8 SERIES TURF SPRAY, 30 PSI REGULATED 6IN. POP-UP. CO-MOLDED WIPER SEAL WITH UV RESISTANT MATERIAL.	19
Q T H F	HUNTER PROS-06-PRS30 10 SERIES TURF SPRAY, 30 PSI REGULATED 6IN. POP-UP. CO-MOLDED WIPER SEAL WITH UV RESISTANT MATERIAL.	61
Q T H F	HUNTER PROS-06-PRS30 12 SERIES TURF SPRAY, 30 PSI REGULATED 6IN. POP-UP. CO-MOLDED WIPER SEAL WITH UV RESISTANT MATERIAL.	24
Q T H F	HUNTER PROS-06-PRS30 15 SERIES TURF SPRAY, 30 PSI REGULATED 6IN. POP-UP. CO-MOLDED WIPER SEAL WITH UV RESISTANT MATERIAL.	12
	HUNTER PROS-06-PRS30 ADJ SERIES TURF SPRAY, 30 PSI REGULATED 6IN. POP-UP. CO-MOLDED WIPER SEAL WITH UV RESISTANT MATERIAL.	1
M L O	HUNTER MP1000 PROS-04-PRS30-CV TURF ROTATOR, 4IN. POP-UP WITH CHECK VALVE, PRESSURE REGULATED TO 30 PSI, MP ROTATOR NOZZLE ON PRS30 BODY. M=MAROON ADJ ARC 90 TO 210, L=LIGHT BLUE 210 TO 270 ARC, O=OLIVE 360 ARC.	5
K G R	HUNTER MP2000 PROS-04-PRS30-CV TURF ROTATOR, 4IN. POP-UP WITH FACTORY INSTALLED CHECK VALVE, PRESSURE REGULATED TO 30 PSI, MP ROTATOR NOZZLE ON PRS30 BODY. K=BLACK ADJ ARC 90-210, G=GREEN ADJ ARC 210-270, R=RED 360 ARC.	8
B Y A	HUNTER MP3000 PROS-04-PRS30-CV TURF ROTATOR, 4IN. POP-UP WITH FACTORY INSTALLED CHECK VALVE, PRESSURE REGULATED TO 30 PSI, MP ROTATOR NOZZLE ON PRS30 BODY. B=BLUE ADJ ARC 90-210, Y=YELLOW ADJ ARC 210-270, A=GRAY 360 ARC.	24
LB	HUNTER MP3500 PROS-04-PRS30-CV TURF ROTATOR, 4IN. POP-UP WITH FACTORY INSTALLED CHECK VALVE, PRESSURE REGULATED TO 30 PSI, MP ROTATOR NOZZLE ON PRS30 BODY. LB=LIGHT BROWN ADJUSTABLE ARC, 90-210.	11
50	HUNTER PCB FLOOD BUBBLER, 1/2IN. FIPT. USE 2 BUBBLERS @ 0.25 GPM PER EACH TREE.	103

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	HUNTER ICZ-101-40 DRIP CONTROL ZONE KIT. 1IN. ICV GLOBE VALVE WITH 1IN. HY100 FILTER SYSTEM. PRESSURE REGULATION: 40PSI. FLOW RANGE: 2 GPM TO 20 GPM. 150 MESH STAINLESS STEEL SCREEN.	8
	HUNTER ICZ-151-XL-40 DRIP CONTROL ZONE KIT. 1-1/2IN. ICV GLOBE VALVE WITH 1IN. HY100 FILTER SYSTEM. PRESSURE REGULATION: 40PSI. FLOW RANGE: 20 GPM TO 60 GPM. 120 MESH STAINLESS STEEL SCREEN. 1-1/2IN. INLET X SINGLE 2IN. OUTLET	5
	HUNTER ICZ-201-XL-40 DRIP CONTROL ZONE KIT. 2IN. ICV GLOBE VALVE. PRESSURE REGULATION: 40PSI. FLOW RANGE: 20GPM TO 100GPM. 150 MESH STAINLESS STEEL SCREEN. 2IN. INLET X SINGLE 2IN. OUTLET	1
	PIPE TRANSITION POINT IN DRIP BOX PIPE TRANSITION POINT FROM PVC LATERAL TO DRIP TUBING WITH RISER IN 6IN. DRIP BOX.	29
	AREA TO RECEIVE DRIPLINE HUNTER HDL-09-12-CV HDL-09-12-CV: HUNTER DRIPLINE W/ 0.9 GPH EMITTERS AT 12" O.C. CHECK VALVE, DARK BROWN TUBING W/ BLACK STRIPING. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. INSTALL WITH HUNTER PLD BARBED OR PLD-LOC FITTINGS.	17,300 SF

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	HUNTER ICV-G 1IN., 1-1/2IN., 2IN., AND 3IN. PLASTIC ELECTRIC REMOTE CONTROL VALVES, GLOBE CONFIGURATION, WITH NPT THREADED INLET/OUTLET, FOR COMMERCIAL/MUNICIPAL USE.	
BF	FEBCO 825Y 1" REDUCED PRESSURE BACKFLOW PREVENTER	
C	HUNTER ACC-1200 12 STATION OUTDOOR MODULAR CONTROLLER. NO MODULE REQUIRED. HIGH-END COMMERCIAL USE. POST MOUNT. W/ HUNTER RAIN-CLIK RAIN SENSOR.	
FS	HUNTER HC-100-FLOW 1IN. FLOW METER FOR USE WITH HYDRAWISE ENABLED CONTROLLER TO MONITOR FLOW AND PROVIDE SYSTEM ALERTS. ALSO FUNCTIONS AS STAND ALONE FLOW TOTALIZER/SUB METER ON ANY RESIDENTIAL OR COMMERCIAL IRRIGATION SYSTEM.	
F	HUNTER HFR-100-075-25 FILTER AND REGULATOR COMBO KIT.1IN. MPT INLET X 3/4IN. FPT OUTLET FILTER WITH 150 MESH STAINLESS STEEL SCREEN. PRESSURE REGULATED AT 25 PSI.	
M	WATER METER 1" POTABLE METER	
	IRRIGATION LATERAL LINE: PVC SCHEDULE 40	
	IRRIGATION MAINLINE: PVC CLASS 200 SDR 21	
	PIPE SLEEVE: PVC SCHEDULE 40 SLEEVES AT EACH CROSSING TO BE 2 SIZES LARGER THAN THE PIPE TO BE INSTALLED IN THE SLEEVE. SLEEVES SHALL EXTEND 24" BEYOND CURB AND BE CAPPED.	

Valve Callout



CRITICAL ANALYSIS

Generated:	2025-03-24 11:18
P.O.C. NUMBER: 01	
Water Source Information:	Potable Meter
FLOW AVAILABLE	
Water Meter Size:	1"
Flow Available	45 GPM
PRESSURE AVAILABLE	
Static Pressure at POC:	65 PSI
Elevation Change:	0.00 ft
Service Line Size:	8"
Length of Service Line:	0 ft
Pressure Available:	65 PSI
DESIGN ANALYSIS	
Maximum Station Flow:	34.19 GPM
Flow Available at POC:	45 GPM
Residual Flow Available:	10.82 GPM
Critical Station:	31
Design Pressure:	30 PSI
Friction Loss:	0.91 PSI
Fittings Loss:	0.05 PSI
Elevation Loss:	0 PSI
Loss through Valve:	6.64 PSI
Pressure Req. at Critical Station:	37.6 PSI
Loss for Fittings:	0 PSI
Loss for Main Line:	5.81 PSI
Loss for POC to Valve Elevation:	0 PSI
Loss for Backflow:	10.6 PSI
Loss for Water Meter:	4.04 PSI
Critical Station Pressure at POC:	58.0 PSI
Pressure Available:	65 PSI
Residual Pressure Available:	6.98 PSI

GENERAL IRRIGATION NOTES:

1. SCOPE OF WORK: THE WORK CONSISTS OF THE PREPARATION OF DESIGN DOCUMENTS AND INSTALLING A COMPLETE UNDERGROUND IRRIGATION SYSTEM, INCLUDING THE FURNISHING OF ALL LABOR, EQUIPMENT, PERMITS, MATERIALS, AND THE PERFORMANCE OF ALL OPERATIONS IN CONNECTION WITH THE CONSTRUCTION OF THE IRRIGATION SYSTEM. IT SHALL INCLUDE FURNISHING AND INSTALLING ALL PLASTIC AND GALVANIZED STEEL PIPE AND FITTINGS, AUTOMATIC CONTROL VALVES, RAIN / MOISTURE SENSING DEVICES, PRESSURE RELIEF VALVES, CHECK VALVES, VALVE ACCESS BOXES, SPRINKLER HEADS, ELECTRIC CONTROLLERS, FLOAT SWITCHES, ELECTRIC WIRE, PUMPS, PUMP INTAKE AND SUCTION SYSTEM, NECESSARY MOTOR STARTERS, RELAYS, ETC., AS CALLED FOR IN THESE SPECIFICATIONS, OR AS MAY BE REQUIRED FOR PROPER OPERATION OF THE SYSTEM.
2. POINT OF CONNECTION SHALL BE DETERMINED BY OWNER'S REPRESENTIVE, SPECIFIC LOCATION TO BE IDENTIFIED BY OWNER'S REPRESENTATIVE
3. LIMITS OF IRRIGATION: PROVIDE 100% COVERAGE OF ALL PREPARED PLANTING BEDS AS SHOWN ON THE DRAWINGS WITH TREES, SHRUBS, AND GROUNDCOVERS. TREES ISOLATED IN LAWN AREAS SHALL BE PROVIDED WITH A BUBBLER AND ZONED INDEPENDENTLY. SOD AND/OR SEEDED AREAS AS IDENTIFIED IN PLANTING PLANS ARE INTENDED TO BE PROVIDED WITH 100% IRRIGATION COVERAGE.
4. IRRIGATION TO MEET ESCAMBIA COUNTY IRRIGATION STANDARDS AS WELL AS ANY OTHER APPLICABLE MUNICIPAL AND STATE LAWS AND RULES AND REGULATIONS GOVERNING OR RELATING TO ANY PORTION OF THIS WORK. THESE LAWS, RULES, AND REGULATIONS ARE HEREBY INCORPORATED INTO, AND MADE A PART OF THESE SPECIFICATIONS, AND THEIR PROVISIONS SHALL BE CARRIED OUT BY THE IRRIGATION SUBCONTRACTOR. ANYTHING CONTAINED IN THESE SPECIFICATIONS SHALL NOT BE CONSTRUED TO CONFLICT WITH ANY OF THE ABOVEMENTIONED RULES, REGULATIONS OR REQUIREMENTS, AND SHOULD A CONFLICT OCCUR, THE RULES OR REQUIREMENTS OF THE GOVERNING CODE SHALL BE ADHERED TO. HOWEVER, WHEN THESE SPECIFICATIONS CALL FOR OR DESCRIBE MATERIALS, WORKMANSHIP, OR CONSTRUCTION OF A BETTER QUALITY, HIGHER STANDARD OR LARGER SIZE, THESE SPECIFICATIONS AND/OR APPROVED DRAWINGS SHALL TAKE PRECEDENCE OVER THE REQUIREMENTS OF SAID RULES, REGULATIONS OR CODES.
5. ANY PERMITS FOR THE INSTALLATION OR CONSTRUCTION OF ANY OF THE WORK INCLUDED UNDER THIS CONTRACT, WHICH ARE REQUIRED BY ANY OF THE LEGALLY CONSTITUTED AUTHORITIES HAVING JURISDICTION, SHALL BE OBTAINED AND PAID FOR BY THE IRRIGATION SUBCONTRACTOR, PRIOR TO COMMENCEMENT OF HIS OPERATIONS ON SITE. COPIES OF PERMIT SHALL BE SENT TO OWNER'S REPRESENTATIVE.
6. DESIGN PLANS: THE LANDSCAPE IRRIGATION SUBCONTRACTOR SHALL SUBMIT DESIGN DRAWINGS FOR REVIEW AND APPROVAL 35 DAYS PRIOR TO INSTALLATION TO THE RLA. DRAWINGS SHALL BE LEGIBLE AND PREPARED AT A SCALE SUITABLE FOR CONSTRUCTION. PLANS SHALL INCLUDE LEGEND, WATER SOURCE, POINT(S) OF CONNECTION, DESIGN OPERATING PRESSURE, AND FLOW RATE PER ZONE, AVERAGE APPLICATION RATE PER ZONE IN GALLONS PER MINUTE, WATERING SCHEDULE, LOCATIONS OF PIPE AND SLEEVES WITH SIZES INDICATED, CONTROLLERS, VALVES, SPRINKLERS, BACKFLOW PREVENTION DEVICE, ELECTRICAL SUPPLY, ROADWAYS, SIDEWALKS, STRUCTURES AND OTHER RELEVANT SITE CONDITIONS.
7. PRIOR TO PURCHASING, CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL PROPOSED MATERIALS INCLUDING BUT NOT LIMITED TO PUMP, WELL, BACKFLOW PREVENTER, CONTROLLER, PIPE, FITTINGS, SLEEVES, VALVES, ETC.
8. HEAD PLACEMENT SHOULD ALWAYS BE DONE WHILE TAKING INTO CONSIDERATION.
   a. WHAT IS THE BEST FOR THE GROWTH AND MAINTENANCE OF THE PLANT MATERIAL.
   b. MAINTAINING A CONSTANT AND EVEN DISTRIBUTION AND PRECIPITATION RATE.
   c. THE SPACING BETWEEN HEADS SHALL NOT EXCEED 50% OF THE DIAMETER FOR HEADS SPACED ON A SQUARE PATTERN OR 60% OF THE DIAMETER FOR HEADS SPACED ON A TRIANGULAR PATTERN.
9. AUTOMATIC CONTROL TIMER, PUMP/WELL ASSEMBLY, BACKFLOW PREVENTER, AND RAIN SENSOR LOCATIONS TO BE VERIFIED WITH OWNER'S REPRESENTATIVE.
10. FIELD ALTERATIONS MADE IN THE IRRIGATION CONTRACT DRAWING MUST BE IN THE BEST INTEREST OF THE PLANT MATERIAL AND LANDSCAPE IRRIGATION SYSTEM. CHANGES MADE BY THE IRRIGATION CONTRACTOR WHICH ARE DEEMED, BY THE OWNER AND/OR OWNER'S REPRESENTATIVE, NOT TO BE IN CONFORMITY WITH THIS CRITERIA WILL BE REMOVED AND REPLACED AT THE IRRIGATION CONTRACTOR'S EXPENSE. IF A QUESTION SHOULD ARISE AS TO THE BEST WAY TO COMPLETE A FIELD ALTERATION, CONTACT OWNER'S REPRESENTATIVE FOR APPROVAL.
11. THE CONTRACTOR SHALL STAKE OUT THE LOCATION OF EACH RUN OF PIPE, DRIP IRRIGATION ARRAYS AND VALVES PRIOR TO TRENCHING. TRENCHES FOR PIPE SHALL BE CUT TO REQUIRED GRADE LINES, AND COMPACTED TO PROVIDE ACCURATE GRADE AND UNIFORM BEARING FOR THE FULL LENGTH OF THE LINE. THE BOTTOM OF TRENCHES SHALL BE FREE OF ROCK OR OTHER SHARP EDGED OBJECTS. MINIMUM COVER SHALL BE AS FOLLOWS: PRESSURE MAINLINE 24" AT TOP OF THE PIPE TO FINISH GRADE. LATERAL PIPING 12" AT TOP OF PIPE FROM FINISH GRADE. SLEEVING UNDER ROADWAY 36" AT TOP OF PIPE FROM FINISH GRADE.
12. THE IRRIGATION AND LANDSCAPE CONTRACTORS SHALL COORDINATE THE PLACEMENT OF THE IRRIGATION EQUIPMENT AND LANDSCAPE MATERIAL WITHIN THE PLANTED AREA. THE IRRIGATION CONTRACTOR SHALL INSTALL HIS MATERIAL AT THE EDGE OF THE PLANTED AREAS AVOIDING PLANTS, ROOT BALLS, LIGHTS, BOLLARDS, FENCES, ETC.
13. OPEN CUTS IN ASPHALT AND WALKS ARE NOT PERMITTED. TRENCHES MUST BE PROTECTED FROM VEHICLE AND PEDESTRIAN TRAFFIC AT ALL TIMES. IT WILL BE THE IRRIGATION CONTRACTOR'S RESPONSIBILITY TO BARRICADE AND DIVERT TRAFFIC. ALL TRENCHES SHALL BE CLOSED AT THE END OF EACH WORKDAY.
14. SLEEVES UNDER ROADWAYS AND SIDEWALKS ARE THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR AND SHALL BE INSTALLED, IF POSSIBLE, PRIOR TO ANY PAVING. SLEEVING DEPTH TO BE A MINIMUM OF 36" FROM TOP OF PIPE TO FINISHED GRADE BELOW ALL ROADWAYS. SLEEVING BENEATH SIDEWALKS SHALL BE LOCATED AND PROVIDED BY THE IRRIGATION CONTRACTOR. SLEEVING SIZES TO BE INSTALLED PER PLANS OR TWO TIMES LARGER THAN THE PIPE TO BE PLACED INSIDE THE SLEEVE. WHICHEVER IS GREATER. SLEEVING MATERIAL TO BE SCHEDULE 40 PVC. SLEEVE ALL WIRE CROSSINGS EITHER IN CONDUIT OR IN SCHEDULE 40 PVC PIPE (IF CONTROL WIRE IS DIRECT BURIAL.)
15. ALL TRENCHES WITHIN FIFTEEN FEET (15') OF EXISTING TREES TO BE HAND EXCAVATED TO AVOID CONFLICTS WITH TREES.
16. NO ROOTS SHALL BE CUT WITHIN A FIFTEEN FOOT (15') RADIUS OF ALL EXISTING TREES. IRRIGATION PIPES AND CONDUIT SHOULD BE DIRECTIONAL BORED WITHIN THIS AREA.
17. CONTRACTOR SHALL COORDINATE ELECTRICAL AND WATER REQUIREMENTS AND POINT OF CONNECT WITH OWNER'S REPRESENTATIVE.
18. ALL PIPE SHALL BE SIZED SO AS NOT TO EXCEED 5 FPS.
19. INITIAL BACKFILL ON PVC LINE SHALL BE PULVERIZED NATIVE SOIL, FREE OF FOREIGN MATTER. SOIL OR SAND WITHIN 4" OF UNDERGROUND PIPING SHALL BE CLEAN. PLANT LOCATIONS SHALL TAKE PRECEDENCE OVER SPRINKLER AND PIPE LOCATIONS. THE CONTRACTOR SHALL COORDINATE THE PLACING OF THE SPECIMEN TREES AND SHRUBS WITH THE ROUTING OF LINES AND FINAL HEAD LOCATIONS.
20. RECORD DRAWINGS: AFTER FINAL ACCEPTANCE OF THE COMPLETED INSTALLATION, THE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR THE PREPARATION OF COMPLETE, REPRODUCIBLE, RECORD DRAWINGS FOR SUBMITTAL TO THE OWNER. PLANS SHALL INCLUDE ANY FIELD CHANGES OR DEVIATIONS FROM THE ORIGINAL, APPROVED DESIGN DOCUMENTS WITH TWO SCALED POINTS OF REFERENCE FOR EACH ITEM.
21. CONTRACTOR SHALL SUPPLY ZONE MAP, PRECIPITATION RATES, ANY KEYS, OPERATING MANUALS, WARRANTIES, COPY OF THE CONTROLLER SCHEDULE, AND EXACT EQUIPMENT PARTS BREAKOUTS WITH MODEL NUMBERS, ETC IN A 3-RING BINDER TO OWNER'S REPRESENTATIVE UPON COMPLETION OF THE PROJECT.
22. THE DRAWINGS ARE TO BE CONSIDERED DIAGRAMMATIC. THE LOCATIONS OF THE EQUIPMENT SHALL BE COORDINATED IN THE FIELD, AND ADJUSTED AS NECESSARY TO AVOID CONFLICTS, AND TO REACT TO FIELD VARIABLES. DUE TO SMALL SCALE OF DRAWINGS, IT IS OFTEN NECESSARY TO SHOW PIPING OR OTHER ELEMENTS OUTSIDE RIGHTS-OF-WAY OR IN PAVEMENT AREAS. THE INSTALLATION OF ALL PIPING AND OTHER EQUIPMENT SHALL BE IN PERVIOUS AREAS AND WITHIN RIGHTS-OF-WAY UNLESS IT IS SPECIFICALLY NOTED TO THE CONTRARY.

ELECTRICAL SUPPORT FOR LANDSCAPE IRRIGATION SYSTEM:

1. FURNISH ALL LABOR, MATERIAL, EQUIPMENT AND INCIDENTALS REQUIRED AND INSTALL, PLACE IN OPERATION AND FIELD TEST ALL OPERATIONS IN CONNECTION WITH THE INSTALLATION OF THE ELECTRICAL FACILITIES REQUIRED FOR CONTROL WIRING FOR THE UNDERGROUND ELECTROMECHANICALLY CONTROLLED IRRIGATION SYSTEM, COMPLETE, AND IN STRICT ACCORDANCE WITH THIS SECTION OF THE SPECIFICATIONS, THE APPLICABLE DRAWINGS, AND SUBJECT TO THE TERMS AND CONDITIONS OF THE CONTRACT.
2. THE CONTROLLERS FOR THE IRRIGATION VALVES SHALL BE INSTALLED AND WIRED, COMPLETE UNDER THIS SECTION. THE ELECTRICAL CONTRACTOR SHALL BRING WIRING AND CONNECTIONS TO A LOCATION APPROVED BY THE OWNER'S REPRESENTATIVE FOR THE CONTROL PANEL(S), AND SHALL PROVIDE 110 VOLT CONNECTION FROM THE POWER SOURCE TO THE CONTROLLERS. (THE LOW VOLTAGE CONTROL WIRING SHALL BE RUN UNDERGROUND TO THE RESPECTIVE REMOTE VALVES BY THE IRRIGATION CONTRACTOR).
3. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CONNECTING AND VERIFYING THE IRRIGATION CONTROLLERS TO BE OPERATIONAL. THE IRRIGATION CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR PROVIDING A FULLY OPERATIONAL SYSTEM.
4. THE ELECTRICAL CONTRACTOR SHALL COORDINATE HIS WORK WITH THE IRRIGATION CONTRACTOR, GENERAL CONTRACTOR AND OTHER SUB-CONTRACTORS.
5. QUALITY ASSURANCE: ALL WORK SHALL BE PERFORMED BY AN ELECTRICIAN LICENSED IN THE STATE OF FLORIDA AND ALL WORK SHALL COMPLY WITH APPLICABLE NFPA REQUIREMENTS.
6. MATERIALS: ALL MATERIALS FURNISHED UNDER THIS CONTRACT SHALL BE NEW AND SHALL CONFORM TO THE FOLLOWING REQUIREMENTS:
   a. UNDERGROUND CONDUIT: SHALL BE RIGID SCHEDULE 80 PVC, EQUAL TO TYPE 80 HEAVY WALL RIGID PVC-CONDUIT SIZED TO PROVIDE EASY WIRE PULL WITH A MIN. 1 INCH INSIDE DIAMETER. ALL JOINTS SHALL BE SOLVENT WELDED IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE MANUFACTURER. CONDUIT FITTINGS, ELBOWS, SWEEPS AND CEMENT SHALL BE PRODUCED BY THE SAME MANUFACTURER.
      1. CONDUIT FOR 120 AND 277 VOLT CIRCUITS SHALL BE SCHEDULE 80 ELECTRICAL CONDUIT.
      2. RIGID METAL CONDUIT: EXPOSED CONDUIT SHALL BE GALVANIZED RIGID METAL CONDUIT INSTALLED WITH CAST METAL FITTINGS.
   b. CONDUCTORS FOR LOW VOLTAGE CONTROL CIRCUITS (BELOW 24V): ALL WIRING USED FOR INTERCONNECTING THE AUTOMATIC REMOTE CONTROL VALVES FOR IRRIGATION WITH THE AUTOMATIC CONTROLLERS SHALL BE SINGLE STRANDED OR SOLID COPPER CONDUCTORS WITH TYPE UF, 600 VOLT INSULATION WHICH SHALL BEAR THE UL APPROVAL FOR DIRECT UNDERGROUND BURIAL FEEDER CABLE.
   c. INSULATION SHALL BE 4/64 INCH THICK MINIMUM COVERING OF AN APPROVED THERMOPLASTIC COMPOUND FOR POSITIVE WATERPROOF PROTECTION OF SIZE 12 THROUGH AND INCLUDING SIZE 10 AWG.
   d. WIRE CONNECTORS: CONNECTIONS TO REMOTE CONTROL IRRIGATION VALVES AND ALL SPLICES IN THE WIRING FOR SUCH VALVES SHALL BE MADE WITH WATERPROOF CONNECTORS AND SEALING CEMENT EQUAL TO RAIN BIRD SNAP-TITE CONNECTORS, MODEL ST-03.
   e. ALL VALVE CONTROL WIRES SHALL BE MINIMUM NO. 14 GAUGE UF, AND ALL COMMON GROUND WIRES SHALL BE MINIMUM NO. 14 GAUGE UF. COLOR CODED USING WHITE. ALL CONTROL WIRING SHALL BE COLOR CODED USING WHITE FOR THE COMMON WIRE AND SELECTED COLORS FOR THE CONTROL WIRES. GREEN COLOR WIRE SHALL NOT BE USED. ALL SPLICE CONNECTIONS SHALL BE MADE IN A JUNCTION BOX AND PULL BOX MARKED ON SHOP DRAWINGS FOR ACCESSIBILITY. ALL AREAS OF 90 DEGREE TURNS SHALL BE MADE WITH ELECTRICAL SWEEP ELBOWS.
   f. MISCELLANEOUS DEVICES: MISCELLANEOUS FITTINGS AND DEVICES NOT COVERED IN THE ABOVE SPECIFICATIONS SHALL BE AS REQUIRED FOR A COMPLETE INSTALLATION.

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

No.	Date	Issue / Revision

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FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

IRRIGATION NOTES

DWG NO. IR-503

SHEET NO.

FLORIDA-ALABAMA TPO
ESCAMBIA-SANTA ROSA RTMC AND RTMC SUPPORT FACILITY

6585 NORTH W Street, PENSACOLA, FL 32505

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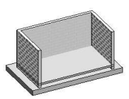
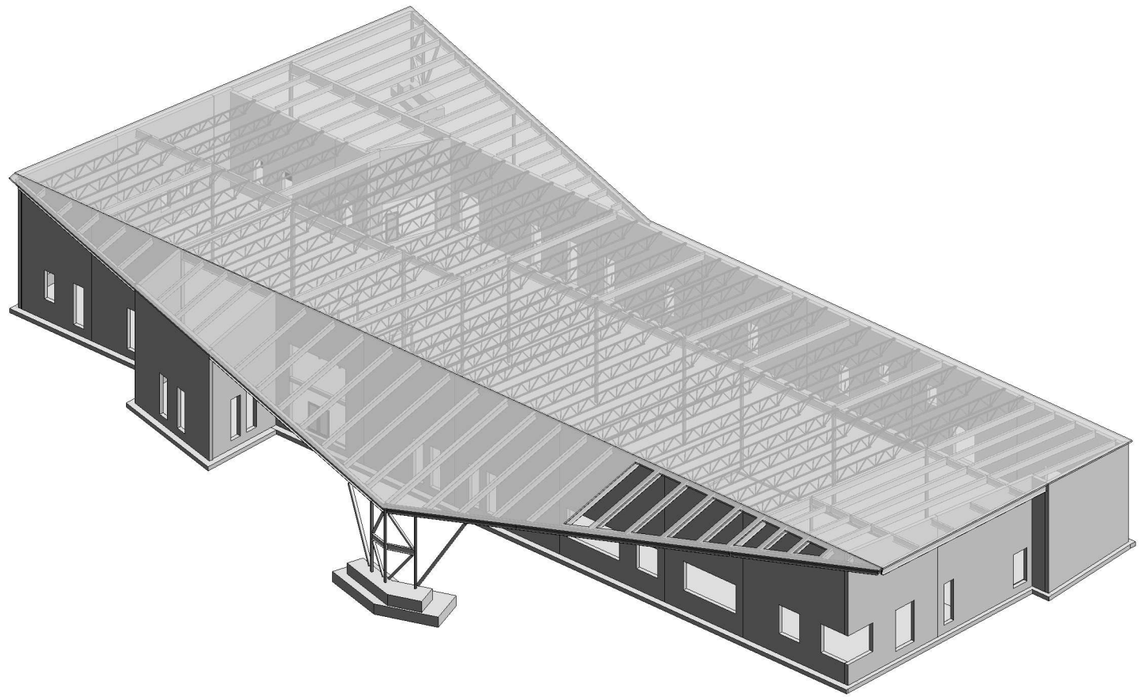
DRAWING LIST	
Sheet Number	Sheet Name
S-000	COVER SHEET
S-001	GENERAL NOTES
S-002	GENERAL NOTES
S-003	GENERAL NOTES
S-004	GENERAL NOTES
S-005	GENERAL NOTES
S-006	GENERAL NOTES
S-007	WIND PRESSURES AND DIAGRAMS
S-100	FOUNDATION PLAN - OVERALL
S-101	FOUNDATION PLAN - NORTH
S-102	FOUNDATION PLAN - SOUTH
S-110	ROOF FRAMING PLAN - OVERALL
S-111	ROOF FRAMING PLAN - NORTH
S-112	ROOF FRAMING PLAN - SOUTH
S-120	ENLARGED PLAN - TRASH ENCLOSURE
S-301	TYPICAL FOUNDATION SCHEDULE & DETAILS
S-302	TYPICAL FOUNDATION SCHEDULE & DETAILS
S-303	TYPICAL FOUNDATION DETAILS
S-304	TYPICAL FOUNDATION DETAILS
S-305	TYPICAL TILT WALL DETAILS - FOUNDATION
S-306	TYPICAL TILT WALL DETAILS - FOUNDATION
S-310	FOUNDATION DETAILS
S-550	STANDARD BEAM CONNECTION DETAILS
S-551	TYPICAL STEEL DETAILS
S-552	STANDARD COMPOSITE DECK DETAILS
S-553	STANDARD COMPOSITE DECK DETAILS
S-554	STANDARD STEEL JOISTS DETAILS
S-555	STANDARD STEEL JOISTS DETAILS
S-556	STANDARD STEEL JOISTS DETAILS
S-557	STEEL COLUMN BASE PLATE DETAILS
S-558	STEEL COLUMN EMBED DETAILS
S-600	TYPICAL TILT WALL DETAILS
S-610	TILT-WALL ELEVATION
S-611	TILT-WALL ELEVATION
S-612	TILT-WALL ELEVATION
S-613	TYPICAL BRACE DETAILS
S-614	BRACED FRAME ELEVATIONS
S-620	TYPICAL TILT REINF. WALL ELEVATIONS
S-621	TYPICAL TILT REINF. WALL ELEVATIONS
S-630	ROOF FRAMING DETAILS
S-631	ROOF FRAMING DETAILS





No.	Date	Issue / Revision

CODY LAMBERT, PE
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FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

COVER SHEET

DWG NO. S-000

SHEET NO.

GENERAL NOTES

DIVISION 01 - GENERAL REQUIREMENTS

1.1 BUILDING CODES & ORDINANCES

A. ALL DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL BUILDING CODES/ORDINANCES AND FIRE CODES, INCLUDING THE FOLLOWING:
   1. FLORIDA BUILDING CODE 2023 (FBC 2023)

1.2 DATUM

A. ALL STRUCTURAL ELEVATIONS ARE RELATIVE ELEVATIONS. REFER TO PLANS FOR RELATIVE 0'-0" DATUM AND CORRESPONDING ACTUAL ELEVATION USING NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

B. REFER TO PLAN FOR ADDITIONAL INFORMATION

1.3 DEFERRED SUBMITTALS

A. IN ACCORDANCE WITH IBC 107.3.4.1 AND LOCAL BUILDING DEPARTMENT REQUIREMENTS, DEFERRED SUBMITTALS ARE DEFINED AS THOSE PORTIONS OF THE DESIGN THAT ARE NOT SUBMITTED AT THE TIME OF THE APPLICATION FOR PERMIT AND WHICH ARE TO BE SUBMITTED TO THE BUILDING OFFICIAL WITHIN A SPECIFIED PERIOD.

B. DEFERRAL OF ANY SUBMITTAL ITEMS SHALL HAVE PRIOR APPROVAL OF THE BUILDING OFFICIAL. THE ARCHITECT OR ENGINEER OF RECORD SHALL LIST THE DEFERRED SUBMITTALS ON THE PLANS AND CONTRACTOR SHALL SUBMIT THE DEFERRED SUBMITTAL DOCUMENTS FOR REVIEW BY THE BUILDING OFFICIAL.

C. ALL DEFERRED SUBMITTAL ITEMS SHALL BE SIGNED AND SEALED BY A DESIGN PROFESSIONAL LICENSED IN THE STATE WHERE THE PROJECT IS LOCATED.

D. DOCUMENTS FOR DEFERRED SUBMITTAL SHALL BE SUBMITTED TO THE ARCHITECT OR ENGINEER OF RECORD A MINIMUM OF 30 DAYS PRIOR TO FABRICATION. DEFERRED SUBMITTAL DOCUMENTS WILL BE REVIEWED BY THE ARCHITECT OR ENGINEER OF RECORD FOR GENERAL CONFORMANCE WITH CONTRACT DOCUMENTS. A COPY OF THE DEFERRED SUBMITTAL DOCUMENTS SHALL BE SUBMITTED TO THE BUILDING OFFICIAL WITH A NOTATION INDICATING THAT THE DEFERRED SUBMITTAL DOCUMENTS HAVE BEEN REVIEWED AND FOUND TO BE IN GENERAL CONFORMANCE TO THE DESIGN OF THE BUILDING. THE DEFERRED SUBMITTAL ITEMS SHALL NOT BE INSTALLED UNTIL THEIR DESIGN AND SUBMITTAL DOCUMENTS HAVE BEEN APPROVED BY THE BUILDING OFFICIAL.

E. THE ENGINEER OF RECORD IS DELEGATING THE DESIGN OF THE FOLLOWING ITEMS, ALL OF WHICH WILL BE DEFERRED SUBMITTALS:

1 TEMPORARY EARTH RETENTION SYSTEMS
2 GLAZING SYSTEMS AND THEIR CONNECTIONS
3 PRECAST CONCRETE DRAWINGS AND CALCULATIONS (INCLUDING CAST-IN FABRICATED HARDWARE)
4 GUARDRAILS AND HANDRAILS
5 STRUCTURAL STEEL CONNECTION DRAWINGS AND CALCULATIONS (AS SPECIFIED)
6 TEMPORARY BRACING AND SHORING SYSTEMS FOR SLABS, BEAMS, AND WALLS
7 LIGHT GAUGE STEEL FRAMING AND THEIR CONNECTIONS
8 AWNINGS AND OTHER PREFABRICATED/PRE-ENGINEERED SYSTEMS
9 STEEL JOIST FRAMING AND THEIR CONNECTIONS

1.6 LOADING AND DESIGN PARAMETERS - ASCE7-22 OR AS SPECIFIED HEREIN

A. RISK CATEGORY: IV

B. SUPERIMPOSED DEAD LOADING:
   1 ROOF (NON-PARKING): 15 PSF

C. LIVE LOADING:
   2 ROOF (NON-PARKING):
      i. UNIFORM LOAD: 20 PSF
      ii. CONCENTRATED LOAD ACTING ON 4 SQ. IN. AREA: 300 LBS
   3 SLAB ON GRADE:
      i. UNIFORM LOAD: 100 PSF
      ii. CONCENTRATED LOAD ACTING ON 20 SQ. IN. AREA: 3000 LBS
   4 CONSTRUCTION LIVE LOAD:
      i. UNIFORM LOAD: 20 PSF
      ii. CONCENTRATED LOAD ACTING ON 20 SQ. IN. AREA: 2000 LBS

D. RAIN LOADING:
   1. STRUCTURE IS DESIGNED IN ACCORDANCE WITH ASCE7 FOR EACH PORTION OF ROOF TO SUSTAIN THE LOAD OF RAINWATER THAT WILL ACCUMULATE ON IT IF THE PRIMARY DRAINAGE SYSTEM FOR THAT PORTION IS BLOCKED, INCLUSIVE OF UNIFORM LOAD CAUSED BY WATER THAT RISES ABOVE THE INLET OF THE SECONDARY DRAINAGE SYSTEM AT ITS DESIGN FLOW.
   2. DESIGN RAINFALL INTENSITY (15 MINUTE), i: 10.8 PSF

E. ATMOSPHERIC ICE LOADING:
   1. STRUCTURE IS NOT DESIGNED FOR ATMOSPHERIC ICING

F. FLOOD LOADING:
   1. FLOOD ZONE: ZONE "X"
   2. PER FBC 2023 SECTION 1612.1 AND BASED ON ITS FLOOD ZONE DESIGNATION OF ZONE "X", THE BUILDING STRUCTURE NEED NOT BE DESIGNED AND CONSTRUCTED TO RESIST THE EFFECTS OF FLOOD HAZARDS AND FLOOD LOADS .

G. EARTH LATERAL LOADING:
   1. SEE ITEM 31.2.A.1

H. WIND LOADING:
   1. ULTIMATE DESIGN WIND SPEED (Vult): 178 MPH
   2. TORNADO SPEED, Vt: 73 MPH
   3. NOMINAL DESIGN WIND SPEED (Vasd): 138 MPH
   4. EXPOSURE CATEGORY: C
   5. EFFECTIVE PLAN AREA, Ae, FOR TORNADO DESIGN: 40,000 sf
   6. INTERNAL PRESSURE COEFFICIENT (GCpi): +/-0.18
   7. THE FINAL NET DESIGN WIND PRESSURE FOR MAIN WIND FORCE RESISTING SYSTEM DESIGN, INCLUDING ALL PERMITTED REDUCTIONS, SHALL NOT BE LESS THAN 8 PSF FOR THE ROOF AND 16 PSF FOR THE WALLS, PROJECTED ONTO A VERTICAL PLANE NORMAL TO THE ASSUMED WIND DIRECTION.
   8. THE FINAL NET DESIGN WIND PRESSURE FOR COMPONENTS AND CLADDING DESIGN, INCLUDING ALL PERMITTED REDUCTIONS, SHALL NOT BE LESS THAN 16 PSF ACTING IN ANY DIRECTION.
   9. COMPONENTS AND CLADDING DESIGN PRESSURES (PSF)
      SEE WIND PRESSURE DIAGRAMS S-007
   10. MAIN WIND FORCE RESISTING SYSTEM (MWFRS) BEHAVIOR:
      i. NORTH/SOUTH DIRECTION:
         ANALYSIS PROCEDURE:
            DIRECTIONAL PROCEDURE (CHAPTER 27)
         LATERAL FORCE RESISTING SYSTEM:
            ORDINARY PRECAST SHEAR WALLS (A.7 - BEARING WALL SYSTEMS)
      ii. EAST/WEST DIRECTION:
         ANALYSIS PROCEDURE:
            DIRECTIONAL PROCEDURE (CHAPTER 27)
         LATERAL FORCE RESISTING SYSTEM:
            ORDINARY PRECAST SHEAR WALLS (A.7 - BEARING WALL SYSTEMS)
   11. PER ASCE 7-22 SECTION 32.5.2 DESIGN FOR TORNADO LOADS IS NOT REQUIRED.

I. CONCRETE EXPOSURE ZONE: F0 & F1 (ZONE I)

1.12 CONSTRUCTION AND COORDINATION NOTES

A. THE CONTRACTOR SHALL COORDINATE AND CHECK ALL DIMENSIONS RELATING TO ARCHITECTURAL FINISHES, MECHANICAL EQUIPMENT AND OPENINGS, ELEVATOR SHAFTS AND OVERRIDES, ETC. AND NOTIFY THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES BEFORE PROCEEDING WITH ANY WORK.

B. METHODS, PROCEDURES, AND SEQUENCES OF CONSTRUCTION ARE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR OR SUBCONTRACTOR. THE GENERAL CONTRACTOR OR SUBCONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO MAINTAIN AND ENSURE THE INTEGRITY OF THE STRUCTURE AT ALL STAGES OF CONSTRUCTION.

C. CONSTRUCTION MEANS, METHODS, PROCEDURES, BRACING, AND SAFETY ARE THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR OR SUBCONTRACTOR. THE STRUCTURAL DRAWINGS REPRESENT THE COMPLETE STRUCTURAL SYSTEM IN ITS FINISHED STATE.

D. THE STRUCTURE HAS BEEN DESIGNED FOR THE IN-SERVICE LOADS ONLY. ALL STRUCTURAL ELEMENTS OF THE PROJECT HAVE BEEN DESIGNED BY THE ENGINEER TO RESIST THE REQUIRED CODE VERTICAL AND LATERAL FORCES THAT COULD OCCUR IN THE FINAL COMPLETED STRUCTURE ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ALL REQUIRED BRACING DURING CONSTRUCTION TO MAINTAIN THE STABILITY AND SAFETY OF ALL STRUCTURAL ELEMENTS DURING THE CONSTRUCTION PROCESS UNTIL THE LATERAL-LOAD RESISTING OR STABILITY-PROVIDING SYSTEM IS COMPLETELY INSTALLED AND THE STRUCTURE IS COMPLETELY TIED TOGETHER. TEMPORARY SUPPORTS SHALL NOT RESULT IN THE OVERSTRESS OR DAMAGE OF THE ELEMENTS TO BE BRACED NOR ANY ELEMENTS USED AS BRACE SUPPORTS. THE METHODS, PROCEDURES, AND SEQUENCES OF CONSTRUCTION ARE THE RESPONSIBILITY OF THE CONTRACTOR.

E. ALL OMISSIONS OR CONFLICTS AMONG VARIOUS ELEMENTS OF DRAWINGS AND/OR SPECIFICATIONS SHALL BE REPORTED TO ENGINEER BEFORE PROCEEDING WITH ANY WORK. THE MOST STRINGENT RESTRICTIONS AND REQUIREMENTS SHALL GOVERN A CONFLICT UNLESS NOTED OTHERWISE.

F. NO STRUCTURAL MEMBERS SHALL BE PENETRATED OR CUT FOR PIPES, DUCTS, ETC., UNLESS SPECIFICALLY DETAILED OR APPROVED IN WRITING BY ENGINEER. ALL PENETRATIONS SHALL BE SUBMITTED TO ENGINEER OF RECORD FOR REVIEW AND APPROVAL.

G. VERIFY AND COORDINATE LOCATION AND SIZE OF ALL OPENINGS AND SLEEVES THROUGH FLOORS, WALLS, AND ROOFS WITH RESPECTIVE SUBCONTRACTOR (MECHANICAL, ELECTRICAL, HVAC, ETC.)

H. THE STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE DRAWINGS AND SPECIFICATIONS OF ALL OTHER DISCIPLINES AND COORDINATED WITH THE WORK OF ALL TRADES.

I. VERIFY STRUCTURAL ELEVATIONS AND DIMENSIONS WITH RESPECT TO OTHER TRADES AND DRAWINGS.

J. VERIFY LOCATION OF SLAB DEPRESSIONS, FLOOR DRAINS, INSERTS, AND OTHER RELATED ITEMS.

K. SCALES NOTED ON THE DRAWINGS ARE FOR GENERAL REFERENCE ONLY. NO DIMENSIONAL INFORMATION SHALL BE OBTAINED BY DIRECT SCALING OF THE DRAWINGS.

L. FLOOR SLAB ELEVATIONS INDICATED ON DRAWINGS ARE ESTABLISHED TO PROVIDE POSITIVE DRAINAGE AND PROVIDE REQUIRED HEADROOM CLEARANCE. NOTIFY ENGINEER OF GRADES INDICATED WHICH DO NOT ALLOW FOR MINIMUM HEADROOM CLEARANCE OR POSITIVE DRAINAGE.

M. DO NOT INSTALL CONDUIT IN SUPPORTED SLABS, SLABS-ON-GRADE, COLUMNS, OR WALLS UNLESS EXPLICITLY SHOWN OR NOTED ON STRUCTURAL DRAWINGS OR APPROVED BY ENGINEER OF RECORD.

N. VISITS TO JOB SITE BY ENGINEER TO OBSERVE CONSTRUCTION DO NOT IN ANY WAY MEAN GUARANTEE OF CONTRACTORS WORK NOR RESPONSIBILITY FOR COORDINATION, SUPERVISION, NOR SAFETY AT JOB SITE. PERIODIC SITE OBSERVATION BY FIELD REPRESENTATIVES OF WGI IS SOLELY FOR THE PURPOSE OF DETERMINING IF THE WORK IS PROCEEDING IN ACCORDANCE WITH THE STRUCTURAL CONTRACT DOCUMENTS. THIS LIMITED SITE OBSERVATION IS NOT INTENDED TO BE A CHECK OF THE QUALITY OR QUANTITY OF THE WORK, BUT RATHER A PERIODIC CHECK IN AN EFFORT TO INFORM THE OWNER AGAINST DEFECTS AND DEFICIENCIES IN THE WORK OF THE CONTRACTOR.

O. ONLY LARGER SLEEVE OPENINGS AND FRAMED OPENINGS IN STRUCTURAL FRAMING COMPONENT MEMBERS ARE INDICATED ON THE STRUCTURAL DRAWINGS. HOWEVER, ALL SLEEVES, INSERTS AND OPENINGS, INCLUDING FRAMES AND/OR SLEEVES SHALL BE PROVIDED FOR PASSAGE, PROVISION AND/OR INCORPORATION OF THE WORK OF THE CONTRACT, INCLUDING BUT NOT LIMITED TO MECHANICAL, ELECTRICAL, AND PLUMBING WORK. THIS WORK SHALL INCLUDE THE COORDINATION OF SIZES, ALIGNMENT, DIMENSIONS, POSITION, LOCATIONS, ELEVATIONS, AND GRADES AS REQUIRED TO SERVE THE INTENDED PURPOSE. OPENINGS NOT INDICATED ON THE STRUCTURAL DRAWINGS, BUT REQUIRED AS NOTED ABOVE, SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW.

P. COMPATIBILITY OF THE STRUCTURE AND PROVISIONS FOR BUILDING EQUIPMENT SUPPORTED ON OR FROM STRUCTURAL COMPONENTS SHALL BE VERIFIED AS TO SIZE, DIMENSIONS, CLEARANCES, ACCESSIBILITY, WEIGHTS, AND REACTION WITH THE EQUIPMENT FOR WHICH THE STRUCTURE HAS BEEN DESIGNED PRIOR TO SUBMISSION OF SHOP DRAWINGS AND DATA FOR EACH PIECE OF EQUIPMENT AND FOR STRUCTURAL COMPONENTS. DIFFERENCES SHALL BE NOTED ON THE SUBMITTALS.

Q. THE DETAILS DESIGNATED AS "TYPICAL DETAILS" APPLY GENERALLY TO THE STRUCTURAL DRAWINGS IN ALL AREAS WHERE CONDITIONS ARE SIMILAR TO THOSE DESCRIBED IN THE DETAILS.

R. DO NOT SUSPEND ANY ITEMS, SUCH AS DUCTWORK, MECHANICAL OR ELECTRICAL FIXTURES, CEILINGS, ETC. FROM STEEL ROOF DECK

S. THE MECHANICAL CONTRACTOR SHALL VERIFY THAT MECHANICAL UNITS SUPPORTED BY THE FRAMING ARE CAPABLE OF SPANNING THE DISTANCE BETWEEN THE SUPPORTING MEMBERS INDICATED ON THE STRUCTURAL DRAWINGS. THE MECHANICAL CONTRACTOR SHALL SUPPLY ADDITIONAL SUPPORT FRAMING AS REQUIRED.

T. ALL REQUESTS FOR SUBSTITUTIONS OF MATERIALS OR DETAILS SHOWN IN THE STRUCTURAL CONTRACT DOCUMENTS SHALL BE SUBMITTED FOR APPROVAL DURING THE BIDDING PERIOD.

U. ONCE BIDS ARE ACCEPTED, PROPOSED SUBSTITUTIONS WILL BE CONSIDERED ONLY WHEN THEY ARE OFFICIALLY SUBMITTED WITH AN IDENTIFIED SAVINGS OR DURATION TO BE DEDUCTED FROM THE CONTRACT AND/OR SCHEDULE IMPACT. SUBMITTALS NOT SATISFYING THE ABOVE CRITERIA WILL NOT BE CONSIDERED.

V. STRUCTURAL DRAWINGS ARE NOT PERMITTED TO BE USED AS SHOP DRAWINGS.

W. GC TO ALLOW 10 BUSINESS DAYS MINIMUM PER SHOP DRAWING AND 5 BUSINESS DAYS MINIMUM PER RFI FOR COMPLETE REVIEW. MULTIPLE REVIEWS COMMENCE AT THE DISCRETION OF WGI. U.N.O. EACH SHOP DRAWING WILL BE REVIEWED IN THE ORDER IT WAS RECEIVED. EACH REVIEW WILL BEGIN AFTER RETURNING THE PREVIOUS SHOP DRAWING. WGI WILL NOT ASSUME PRIORITY FOR REVIEW OF MULTIPLE SUBMITTALS RECEIVED. DELAYS DUE TO INADEQUATE PLANNING FOR THIS REQUIRED TIME ARE NOT THE FAULT OF WGI AND WGI SHALL NOT BE HELD LIABLE FOR ANY DELAY CLAIMS.

No.	Date	Issue / Revision

CODY LAMBERT, PE
FL, 100455

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607

FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

GENERAL NOTES

DWG NO. S-001

SHEET NO.

DIVISION 03 - CONCRETE

3.1 CAST-IN-PLACE CONCRETE

A. ALL DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE FOLLOWING:
   1. ACI 318-19

B. CONCRETE MIX DESIGNS:
   1. CONCRETE MIX DESIGNS SHALL BE PER ACI 318 & ACI 362.1R AS MINIMUMS, EXCEPT AS NOTED ON DRAWINGS AND SPECIFIED HEREIN. THE CONCRETE MIX DESIGN SCHEDULE BELOW SHALL GOVERN IN ALL CASES EXCEPT WHERE DEVIATIONS ARE SPECIFICALLY NOTED ON DRAWINGS.

DESCRIPTION	F'C (PSI)	MAX W/C RATIO
FOOTINGS & MAT FDNS	4000 STD	0.45
GRADE BEAMS	4000 STD	0.45
COLUMNS & SHEAR WALLS	4000 STD	0.45
WALLS & PILASTERS	4000 STD	0.45
BEAMS	4000 STD	0.45
SLABS	4000 STD	0.45
TOPPING SLAB	4000 STD	0.45
SLAB-ON-GRADE	4000 STD	0.45
COMPOSITE METAL DECK	4000 STD	0.45
ALL OTHERS	4000 STD	0.45

NOMINAL MAX. AGGREGATE SIZE (IN)	AVG AIR ENTRAINED
3/8	6
1/2	5.5
3/4	5

NOTES:
   i. STD: DESIGNATES A CONCRETE MIX DESIGN IN ACCORDANCE WITH APPLICABLE SPECIFICATION SECTION WHICH DOES NOT REQUIRE SILICA FUME, GGBS, FLY ASH, OR CALCIUM NITRITE ADMIXTURE
   ii. ALL NORMALWEIGHT CONCRETE SHALL HAVE A DENSITY OF APPROXIMATELY 145 PCF UNLESS NOTED OTHERWISE. THE WEIGHT OF SILICA FUME AND GGBS AND FLY ASH ADMIXTURE(S) MAY BE INCLUDED WITH THE WEIGHT OF CEMENT.
   iii. FOR SITEWORK CONCRETE REFER TO CIVIL DRAWINGS AND SPECIFICATIONS

   2. CEMENT:
      i. MATERIAL PROPERTIES:
         a. ASTM C150 TYPE I OR IA
   3. AGGREGATES:
      i. ASTM C33
   4. GROUT:
      i. PREMIXED, PACKAGED, NON-SHRINK, NON-STAINING, AND CHLORIDE-FREE
      ii. MATERIAL PROPERTIES:
         a. ASTM C1107
         b. COMPRESSIVE STRENGTH: 6000 PSI MINIMUM

C. CONCRETE PUMPING, PLACING, FINISHING, AND JOINTING:
   1. GENERAL - PLACING:
      i. THE USE OF CHLORIDES SUCH AS DEICING SALTS ARE PROHIBITED FOR USE OF MELTING ICE PRIOR TO PLACEMENT OF CONCRETE.
   2. GENERAL - FINISHING:
      i. PROVIDE A 3/4 INCH CHAMFER ON EXPOSED CORNERS OF CONCRETE UNLESS NOTED OTHERWISE. TOP EDGES OF WALLS MAY BE TOOLED.
   3. GENERAL - JOINTING:
      i. CONSTRUCTION JOINTS SHALL HAVE CONTACT SURFACES CLEAN AND FREE OF LAITANCE. CONTRUCTION JOINTS SHALL BE PREPARED AS SPECIFIED ON DRAWINGS WITH A SMOOTH INTERFACE, A KEYED INTERFACE, OR A ROUGHENED INTERFACE BY MEANS OF ROUGHENED CONCRETE FINISH OR MECHANICAL ROUGHENING OF THE CONTACT SURFACE TO A FULL AMPLITUDE OF 1/4".
      ii. CONSTRUCTION JOINTS AND POUR SEQUENCING FOR ELEVATED SLABS SHALL BE AS SPECIFIED ON DRAWINGS. TOOL SLAB JOINTS AT THE TIME OF FINISHING.
      iii. JOINTS FOR SLAB-ON-GRADE SHALL BE AS SPECIFIED ON DRAWINGS. SLAB SHALL BE CAST IN STRIPS 15 FEET BY 100 FEET MAXIMUM UNO OR APPROVED BY ENGINEER. TOOL SLAB JOINTS AT THE TIME OF FINISHING OR SAW CUT AS SPECIFIED ON DRAWINGS.
      iv. JOINTS FOR WALLS SHALL BE 15 FEET ON CENTER MAXIMUM UNO
      v. CONSTRUCTION JOINTS IN CONCRETE ELEMENTS WHICH HAVE ONE SIDE EXPOSED TO WEATHER OR EARTH AND THE OTHER SIDE ADJACENT TO ENCLOSED SPACE SHALL BE PROVIDED WITH WATERSTOPS UNLESS NOTED OTHERWISE. REFER TO DRAWINGS FOR ADDITIONAL JOINT WATERPROOFING AND DAMPPROOFING DETAILS.

D. MILD REINFORCEMENT:
   1. DEFORMED BARS:
      i. MATERIAL PROPERTIES:
         a. ASTM A615 GRADE 60
         b. ASTM A706 GRADE 60 (LOW-ALLOY WELDABLE)
      ii. COATING PROPERTIES (AS REQD, SEE ITEM 3.1.D.6):
         a. NO COATING
      iii. HEADED DEFORMED BARS (AS REQD):
         a. ASTM A970
   2. WELDED DEFORMED BAR MATS:
      i. MATERIAL PROPERTIES:
         a. SEE ITEM 3.1.D.1.i
      ii. FABRICATION PROPERTIES:
         a. ASTM A184
   3. WELDED WIRE REINFORCEMENT (PLAIN & DEFORMED):
      i. MATERIAL PROPERTIES:
         a. ASTM A1064 GRADE 70 (DEFORMED)
      ii. FABRICATION PROPERTIES:
         a. ASTM A1064
   4. HEADED SHEAR STUD REINFORCEMENT:
      i. SHEAR STUDS:
         a. MATERIAL PROPERTIES:
            1. YIELD STRENGTH: 51,000 PSI MINIMUM
            2. TENSILE STRENGTH: 65,000 PSI MINIMUM
            3. ELONGATION: 20 PERCENT IN 2 INCHES
            4. REDUCTION OF AREA: 50 PERCENT MINIMUM
            5. TYPE 1 (SINGLE-HEADED) STUDS:
               I. ASTM A29 GRADES 1010-1020
            6. TYPE 2 (DOUBLE-HEADED) STUDS:
               I. ASTM A29 GRADES 1010-1020
               II. ASTM A615 GRADE 60
               III. ASTM A706 GRADE 60 (LOW-ALLOY WELDABLE)
         b. DIMENSIONS:
            1. ASTM A1044
               I. TABLE 3 FOR TYPE 1 (SINGLE-HEADED) STUDS
               II. TABLE 4 FOR TYPE 2 (DOUBLE-HEADED) STUDS
            2. AS SPECIFIED ON DRAWINGS

   5. THE FOLLOWING TYPES OF MILD REINFORCEMENT ARE NOT PERMITTED UNO:
      i. PLAIN BARS
      ii. PLAIN WIRE (DOES NOT INCLUDE WELDED WIRE REINFORCEMENT)
      iii. DEFORMED WIRE (DOES NOT INCLUDE WELDED WIRE REINFORCEMENT)
   6. REINFORCEMENT PROTECTION SHALL BE PER ACI 318 & ACI 362.1R AS MINIMUMS, EXCEPT AS NOTED ON DRAWINGS AND SPECIFIED HEREIN. THE REINFORCEMENT PROTECTION SCHEDULE BELOW SHALL GOVERN IN ALL CASES EXCEPT WHERE DEVIATIONS ARE SPECIFICALLY NOTED ON DRAWINGS. REINFORCEMENT COATINGS FOR DOWEL & SPLICE REINFORCEMENT, WHERE PERMITTED, SHALL BE THE SAME AS SPECIFIED FOR THE PRIMARY REINFORCEMENT.

ELEMENT DESCRIPTION	COVER	COATING REQS
FOOTINGS	3"	UNCOATED
GRADE BEAMS	3"	UNCOATED
WALLS		
FORMED		
NOT EXPOSED TO EARTH OR WEATHER	1 1/2"	UNCOATED
EXPOSED TO EARTH OR WEATHER	2"	UNCOATED
NOT FORMED		
CAST AGAINST EARTH	3"	UNCOATED
COLUMNS		
NOT EXPOSED TO EARTH OR WEATHER	1 1/2"	UNCOATED
EXPOSED TO EARTH OR WEATHER	2"	UNCOATED
PILASTERS	2"	UNCOATED
BEAMS (ELEVATED)	2" TOP 1 1/2" SIDE & BOT	UNCOATED
SLABS (ELEVATED)	2" TOP 1 1/2" SIDE & BOT	UNCOATED
TOPPING SLAB	1 1/2"	UNCOATED
SLAB-ON-GRADE	2" TOP	UNCOATED
STAIRS	1 1/2"	UNCOATED
COMPOSITE METAL DECK	1" TOP	UNCOATED

   7. GENERAL - MILD REINFORCEMENT:
      i. THE FOLLOWING MODIFICATIONS TO REINFORCEMENT ARE PROHIBITED UNLESS NOTED OTHERWISE OR APPROVED BY ENGINEER OF RECORD.
         a. FIELD CUTTING, HEATING, BENDING, OR STRAIGHTENING
         b. WELDING
            1. WELDING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS SET FORTH IN AWS D1.4 WHEN SPECIFICALLY NOTED OR APPROVED FOR WELDING UNCOATED REINFORCEMENT.
      ii. WHERE LAP SPLICES ARE PERMITTED, THE MINIMUM SPLICE LENGTH SHALL BE BASED ON THE CLASS B TENSION LAP PER ACI 318 UNLESS NOTED OTHERWISE
      iii. WHERE STANDARD HOOKS ARE SPECIFIED, PROVIDE 90 DEGREE HOOKS PER ACI 318 SECTION 25.3 UNLESS NOTED OTHERWISE.
      iv. MECHANICAL SPLICES AND TERMINATIONS AS INDICATED ON DRAWINGS
      v. PROVIDE ADDITIONAL TWO #5 REINFORCEMENT BARS ON ALL FOUR SIDES OF ALL OPENINGS UNO. BARS TO EXTEND TWO FEET BEYOND CORNERS OF OPENING.

E. CONCRETE ACCESSORIES:
   1. SEE DIVISION 05 FOR ALL METAL FABRICATION ACCESSORIES ASSOCIATED WITH CAST-IN-PLACE CONCRETE. THIS SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING:
      i. EMBEDDED STEEL ELEMENTS AND THEIR ANCHORS:
         a. EMBED PLATES
         b. HEADED STUD ANCHORS (FOR EMBEDS)
         c. DEFORMED BAR ANCHORS (FOR EMBEDS)
      ii. ANCHOR RODS AND ASSOCIATED HARDWARE
      iii. SHEAR CONNECTORS (HEADED STUD ANCHORS) FOR COMPOSITE BEAM BEHAVIOR

F. GENERAL - CAST-IN-PLACE CONCRETE:
   1. NO ALUMINUM CONDUIT OR PRODUCTS CONTAINING ALUMINUM OR ANY OTHER MATERIAL INJURIOUS TO THE CONCRETE SHALL BE EMBEDDED IN CONCRETE.

3.3 TILT-UP CONCRETE WALL PANELS

A. CONCRETE STRENGTH AT LIFTING SHALL BE AS DETERMINED BY LIFTING ANALYSIS, BUT SHALL NOT BE LESS THAN 75 PERCENT OF THE SPECIFIED 28 DAY STRENGTH.

B. WALL PANEL ELEVATION SHOWN IN THE STRUCTURAL DRAWINGS ARE AS VIEWED FROM THE BUILDING EXTERIOR

C. UNLESS NOTED OTHERWISE ON THE STRUCTURAL DRAWINGS, REINFORCE THE WALL PANELS AS FOLLOWS:
   1. PROVIDE 4-#5 EACH WAY IN CENTER OF PANEL.
   2. PROVIDE 1-#5 CONTINUOUS AT TOP, BOTTOM, AND SIDES OF ALL PANELS.
   3. PROVIDE 1-#5 CONTINUOUS AT HEAD, SILL, AND JAMBS OF ALL OPENINGS. EXTEND 2'-6" PAST FACE OF OPENING.
   4. PROVIDE 1-#5 X 4'-0" EACH FACE PLACED DIAGONALLY AT THE CORNERS OF ALL OPENINGS.
   5. PROVIDE 4-#4 3'-0" EACH WAY OVER EACH LIFTING INSERT, MINIMUM.

D. INSERTS, BRACES, AND OTHER ACCESSORIES REQUIRED TO LIFT AND ERECT THE WALL PANELS SHALL BE DESIGNED AND PROVIDED BY THE CONTRACTOR. LIFTING ARRANGEMENT SHALL BE SO DEVISED AS TO PREVENT CRACKING OF THE CONCRETE DUE TO ERECTION STRESSES INCLUDING A 50 PERCENT INCREASE IN FORCES DUE TO IMPACT. CONTRACTOR SHALL PROVIDE ANY ADDITIONAL PANEL REINFORCING STEEL REQUIRED FOR LIFTING AND BRACING STRESSES.

E. HOT DIP GALVANIZE ALL ITEMS REQUIRED FOR WALL PANEL CONNECTIONS INCLUDING EMBEDDED ITEMS IN PANELS AND FOUNDATIONS. ALL GALVANIZED SURFACES AFFECTED BY WELDING SHALL BE TOUCHED UP WITH A COLD GALVANIZING COMPOUND.

F. WELDING OF EMBEDDED ITEMS SHALL BE EXECUTED IN SUCH A MANNER TO PREVENT CRACKING, OR SPALLING OF CONCRETE.

G. PROVIDE AND COORDINATE ALL CAST-IN-PLACE ELEMENTS SUCH AS FINISHES, REGLETS, REVEALS, RUSTICATIONS, CHAMFERS, SLEEVES, PLATES, CONDUITS, OPENINGS AND OTHER ACCESSORIES, AS REQUIRED WITH THE ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS.

H. BRACE WALL PANELS UNTIL PERMANENT CONNECTIONS OF FLOOR AND ROOF HAVE BEEN CONNECTED. ROOF DECK SHALL BE COMPLETELY INSTALLED BEFORE BRACING IS REMOVED.

I. WALL PANELS RECEIVING BACKFILL WITH A DIFFERENCE IN ELEVATION OF MORE THAN 3'-0" FROM ONE FACE OF THE PANEL TO THE OTHER SHALL BE BRACED TO RESIST THE UNBALANCED LATERAL PRESSURES UNTIL THE BRACING FLOOR SLAB HAS BEEN PLACED AND HAS ATTAINED ITS 28 DAY STRENGTH.

J. REFER TO THE ARCHITECTURAL DRAWINGS FOR LOCATIONS AND DETAILS OF REVEALS (3/4" MAXIMUM DEPTH) IN EXPOSED WALLS.

K. ALL EMBEDDED PLATES SHALL BE PLACED PRIOR TO CONCRETE PLACEMENT.

REINFORCING STEEL SPLICE NOTES:

ALL REINFORCING STEEL SHALL BE SPLICED AS NOTED BELOW AND AS REQUIRED IN THE ACI BUILDING CODE (LATEST EDITION).

A. Ld NOTED IN THE DETAILS AND TABLES THIS SHEET IS THE STRAIGHT BAR DEVELOPMENT LENGTH PER ACI-318.

B. CLASS B LAP SPLICE TABLE SHALL BE USED FOR ALL LAP SPLICES AND BAR DEVELOPMENT UNLESS NOTED OTHERWISE.

C. ELEVATED SLAB STEEL MARKED "CONTINUOUS" SHALL BE LAPPED WITH A CLASS B LAP SPLICE AND AROUND CORNERS OR INTERSECTIONS WITH A STANDARD 90 DEGREE HOOK.

D. SPLICE ALL VERTICAL BARS IN COLUMNS AND VERTICAL AND HORIZONTAL BARS IN SHEAR WALLS WITH A CLASS B LAP SPLICE UNLESS NOTED OTHERWISE.

E. LAP SPLICES FOR #14 AND LARGER BARS SHALL BE MADE WITH MECHANICAL COUPLERS TO DEVELOP 125% OF THE BARS CAPACITY.

F. INCREASE DEVELOPMENT LENGTH SHOWN IN TABLES BELOW BY 1.25 FOR 75 KSI STEEL.

G. INCREASE DEVELOPMENT LENGTH SHOWN IN TABLES BELOW BY 1.50 FOR EPOXY COATED BARS.

H. INCREASE DEVELOPMENT LENGTH SHOWN IN TABLES BELOW BY 1.30 IF BAR IS TO BE USED AS A TOP BAR IN A BEAM OR SLAB WITH 12" OF FRESH CONCRETE BELOW THE BAR.

I. THE FOLLOWING TABLES ASSUME ONE OF THE BELOW CONDITIONS, PER ACI, ARE MET:
   a. CLEAR SPACING OF BARS BEING DEVELOPED OR SPLICED IS NOT LESS THAN db, CLEAR COVER NOT LESS THAN db AND STIRRUPS OR TIES THROUGHOUT Ld NOT LESS THAN CODE MINIMUM
   b. CLEAR SPACING OF BARS BEING DEVELOPED OR SPLICED NOT LESS THAN 2db AND CLEAR COVER NOT LESS THAN db

CLASS "B" LAP SPLICE SCHEDULE (1.3 Ld)

REINF. SIZE	CONCRETE STRENGTH (PSI)							
	3000	4000	5000	6000	7000	8000	10000	12000
#3	23"	20"	17"	16"	16"	16"	16"	16"
#4	29"	25"	23"	21"	20"	19"	16"	16"
#5	37"	32"	29"	26"	24"	23"	16"	16"
#6	43"	38"	34"	32"	29"	28"	20"	20"
#7	63"	55"	50"	45"	42"	39"	36"	36"
#8	72"	63"	56"	51"	47"	45"	39"	39"
#9	81"	71"	63"	58"	54"	50"	45"	45"
#10	91"	80"	71"	65"	60"	56"	51"	51"
#11	102"	88"	78"	72"	67"	63"	56"	56"

HOOKED REINFORCING STEEL SPLICE NOTES:

ALL HOOKED REINFORCING STEEL SHALL BE AS NOTED BELOW AND AS REQUIRED IN THE ACI BUILDING CODE LATEST EDITION.

A. Lhb NOTED IN THE SCHEDULE BELOW IS THE BASIC TENSION DEVELOPMENT LENGTH FOR STANDARD ACI HOOKS, MEASURED FROM THE CRITICAL SECTION TO THE END OF THE HOOK.

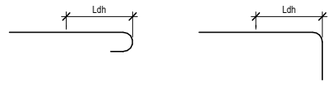
B. Ldh = 1.25*Lhb FOR GRADE 75 (75,000 PSI YIELD) REINFORCEMENT.

C. Ldh = 1.2*Lhb FOR EPOXY COATED REINFORCEMENT.

D. Ldh = Lhb UNLESS CONDITIONS NOTED IN B. OR C. ARE MET AND SHALL BE NOT BE LESS THAT 6" OR 8 BAR DIAMETERS. WHICHEVER IS LARGER.

STANDARD HOOK DEVELOPMENT LENGTH SCHEDULE (Ldh)

REINF. SIZE	CONCRETE STRENGTH (PSI)							
	3000	4000	5000	6000	7000	8000	10000	12000
#3	9"	8"	7"	6"	6"	6"	6"	6"
#4	11"	10"	9"	8"	8"	7"	6"	6"
#5	14"	12"	11"	10"	9"	9"	8"	8"
#6	17"	15"	13"	12"	11"	11"	9"	9"
#7	20"	17"	15"	14"	13"	12"	11"	11"
#8	22"	19"	17"	16"	15"	14"	12"	12"
#9	25"	22"	20"	18"	17"	16"	14"	14"
#10	28"	25"	22"	20"	19"	18"	16"	16"
#11	31"	27"	24"	22"	21"	19"	17"	17"



No.	Date	Issue / Revision

CODY LAMBERT, PE
FL, 100455

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607

FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

GENERAL NOTES

DWG NO. S-002

SHEET NO.

4.1 CONCRETE UNIT MASONRY

A. ALL DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE FOLLOWING:
   1. TMS 402-16 / TMS 602-16
   2. REFER TO APPLICABLE SPECIFICATION SECTIONS FOR ADDL INFO
B. CONCRETE MASONRY UNITS:
   1. HOLLOW AND SOLID LOAD-BEARING UNITS:
      a. MATERIAL PROPERTIES:
         1. ASTM C90
         2. NET COMPRESSIVE STRENGTH: 2800 PSI MINIMUM
C. MORTAR:
   1. MATERIAL PROPERTIES:
      a. ASTM C270 TYPE S
      b. COMPRESSIVE STRENGTH: 1800 PSI MINIMUM
D. GROUT:
   1. MATERIAL PROPERTIES:
      a. ASTM C476
      b. COMPRESSIVE STRENGTH: 2000 PSI MINIMUM
E. MILD REINFORCEMENT:
   1. DEFORMED BARS:
      a. MATERIAL PROPERTIES:
         1. AS SPECIFIED UNDER CAST-IN-PLACE CONCRETE ITEM 3.1.D.2.i
      b. COATING PROPERTIES:
         1. UNCOATED
      c. HEADED DEFORMED BARS (AS REQD):
         1. AS SPECIFIED UNDER CAST-IN-PLACE CONCRETE ITEM 3.1.D.2.iii
   2. LADDER-TYPE JOINT REINFORCEMENT:
      a. WIRE SHALL BE 9-GAUGE UNLESS NOTED OTHERWISE
      b. MATERIAL PROPERTIES:
         1. ASTM A82
      c. FABRICATION PROPERTIES:
         1. ASTM A951
         2. CROSS WIRES AT 16 INCHES OC
      d. COATING PROPERTIES:
         1. ASTM A153 CLASS B (HOT-DIP GALVANIZED)
   3. THE FOLLOWING TYPES OF MILD REINFORCEMENT ARE NOT PERMITTED UNO:
      a. PLAIN BARS
      b. WELDED DEFORMED BAR MATS
      c. PLAIN WIRE (DOES NOT INCLUDE WELDED WIRE OR LADDER-TYPE REINFORCEMENT)
      d. DEFORMED WIRE (DOES NOT INCLUDE WELDED WIRE REINFORCEMENT)
      e. WELDED WIRE REINFORCEMENT (PLAIN & DEFORMED)
      f. HEADED SHEAR STUD REINFORCEMENT
   4. GENERAL - MILD REINFORCEMENT:
      a. THE FOLLOWING MODIFICATIONS TO REINFORCEMENT ARE PROHIBITED UNLESS NOTED OTHERWISE OR APPROVED BY ENGINEER OF RECORD.
         1. FIELD CUTTING, HEATING, BENDING, OR STRAIGHTENING
         2. WELDING
            a. WELDING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS SET FORTH IN AWS D1.4 WHEN SPECIFICALLY NOTED OR APPROVED FOR WELDING UNCOATED REINFORCEMENT,
      b. WHERE LAP SPLICES ARE PERMITTED, THE MINIMUM SPLICE LENGTH SHALL BE AS SPECIFIED ON THE DRAWINGS
      c. WHERE STANDARD HOOKS ARE SPECIFIED, PROVIDE 90 DEGREE HOOKS PER ACI 318 SECTION 25.3 UNLESS NOTED OTHERWISE.
      d. MECHANICAL SPLICES AND TERMINATIONS AS INDICATED ON DRAWINGS
F. POST-INSTALLED MILD REINFORCEMENT:
   1. POST-INSTALLED MILD REINFORCEMENT IS PROHIBITED UNLESS NOTED OTHERWISE OR APPROVED BY ENGINEER OF RECORD.
G. MASONRY ACCESSORIES:
   1. DOVETAIL MASONRY ANCHORS:
      a. ANCHOR SLOTS:
         1. MATERIAL PROPERTIES:
            a. 20-GAUGE MINIMUM STEEL
         2. COATING PROPERTIES:
            a. ASTM A153 CLASS B (HOT-DIP GALVANIZED)
      b. ANCHOR WIRE:
         1. WIRE SHALL BE 3/16 INCH DIAMETER UNLESS NOTED OTHERWISE
         2. MATERIAL PROPERTIES:
            a. ASTM A82
         3. COATING PROPERTIES:
            a. ASTM A153 CLASS B (HOT-DIP GALVANIZED)
      c. ANCHOR TAIL:
         1. MATERIAL PROPERTIES:
            a. 12-GAUGE MINIMUM STEEL
         2. COATING PROPERTIES:
            a. ASTM A153 CLASS B (HOT-DIP GALVANIZED)
   2. CONTROL JOINTS SHALL BE SOLID RUBBER OR PVC STRIPS
   3. BOND BREAKER SHALL BE 15 LB ROOFING FELT
   4. MEMBRANE FLASHING SHALL BE 20 MIL PVC
H. GENERAL - CONCRETE UNIT MASONRY:
   1. MASONRY CONTROL JOINTS SHALL BE SPACED AS FOLLOWS OR AS INDICATED ON DRAWINGS:
      a. 4 FEET MAXIMUM FROM CORNERS
      b. 24 FEET MAXIMUM OC
      c. AT ALL CHANGES IN WALL HEIGHT OR THICKNESS
      d. AT ABUTMENT OF WALLS TO COLUMNS
      e. ALIGN JOINTS WITH JOINTS IN SUPPORTING CONCRETE ELEMENTS WHERE APPLICABLE
   2. MAINTAIN A 1 INCH GAP BETWEEN THE TOP OF ALL NON-BEARING INTERIOR MASONRY WALLS AND THE UNDERSIDE OF STRUCTURE ABOVE.
   3. BOND BEAMS SHALL BE FILLED WITH GROUT AND REINFORCED WITH A MINIMUM OF TWO #4 CONTINUOUS OR AS INDICATED ON DRAWINGS. WHERE BOND BEAMS INTERSECT AT CORNERS AT DIFFERENT ELEVATIONS, RUN EACH BOND BEAM AROUND CORNER FOR TWO BLOCK LENGTHS MINIMUM BEFORE TERMINATING.
   4. LINTELS SHALL HAVE A MINIMUM BEARING OF 6 INCHES.

DIVISION 05 - METALS

5.1 STEEL FRAMING

A. ALL DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE FOLLOWING:
   1. ANSI/AISC 303-10
   2. ANSI/AISC 360-16
   3. REFER TO APPLICABLE SPECIFICATION SECTIONS FOR ADDL INFO

B. FRAMING SHAPES:
   1. W-SHAPES:
      i. MATERIAL PROPERTIES:
         a. ASTM A992 GRADE 50
      ii. COATING PROPERTIES:
         a. AS REQD, SEE ITEM 5.1.E
   2. CHANNELS, ANGLES, M-SHAPES, S-SHAPES:
      i. MATERIAL PROPERTIES:
         a. ASTM A36
         b. ASTM A588 (WHERE SPECIFICALLY NOTED)
      ii. COATING PROPERTIES:
         a. AS REQD, SEE ITEM 5.1.E
   3. HOLLOW STRUCTURAL SECTIONS (HSS):
      i. MATERIAL PROPERTIES:
         a. ASTM A500 GRADE C
         b. ASTM A1085 GRADE A
      ii. COATING PROPERTIES:
         a. AS REQD, SEE ITEM 5.1.E
   4. PIPES:
      i. MATERIAL PROPERTIES:
         a. ASTM A53 GRADE B TYPE E
         b. ASTM A53 GRADE B TYPE S
      ii. COATING PROPERTIES:
         a. AS REQD, SEE ITEM 5.1.E
   5. PLATES AND BARS:
      i. MATERIAL PROPERTIES:
         a. ASTM A36
      ii. COATING PROPERTIES:
         a. AS REQD, SEE ITEM 5.1.E
   6. STAINLESS STEEL SHEETS, STRIPS, PLATES, AND FLAT BARS:
      i. MATERIAL PROPERTIES:
         a. ASTM A666 TYPE 304
      ii. COATING PROPERTIES:
         a. UNCOATED
   7. STAINLESS STEEL BARS AND SHAPES:
      i. MATERIAL PROPERTIES:
         a. ASTM A276 TYPE 304
      ii. COATING PROPERTIES:
         a. UNCOATED

C. THE METALS PROTECTION SCHEDULE BELOW SHALL GOVERN IN ALL CASES EXCEPT WHERE DEVIATIONS ARE SPECIFICALLY NOTED ON DRAWINGS. ALL METAL COATINGS SHALL BE COORDINATED TO BE COMPATIBLE WITH FINAL PAINTING SYSTEMS.

SPEC #	ELEMENT DESCRIPTION	COATING REQUIREMENTS
055700	EMBED PLATES	HOT-DIP GALVANIZED
055700	BRICK SHELF ANGLES	HOT-DIP GALVANIZED
055700	LINTELS	PAINT & PRIME

D. FRAMING CONNECTIONS:
   1. WELDED CONNECTIONS:
      i. ALL WELDING SHALL BE MADE WITH E70XX LOW HYDROGEN ELECTRODES UNLESS NOTED OTHERWISE AND SHALL CONFORM TO THE LATEST EDITION OF THE AMERICAN WELDING SOCIETY SPECIFICATIONS. ALL WELDS SHALL BE PERFORMED BY AN AWS CERTIFIED WELDER. CERTIFICATION SHALL BE APPROPRIATE FOR WELDING METHOD AND POSTION.
      ii. MINIMUM WELD SIZE IS 1/4 INCH UNLESS NOTED OTHERWISE.
      iii. FOR GALVANIZED CONNECTION HARDWARE REQUIRING FIELD WELDING, REMOVE SLAG, WIRE BRUSH, AND APPLY THREE COATS OF ZRC (COLD GALVANIZING) AFTER WELDING.
   2. BOLTED CONNECTIONS:
      i. BOLTED CONNECTIONS SHALL BE MADE USING ONE OF THE FOLLOWING:
         a. BEARING TYPE CONNECTION WITH THREADS INCLUDED IN SHEAR PLANE (CONDITION N) WITH BOLTS, NUTS, AND WASHERS. TURN OF THE NUT METHOD.
         b. SLIP CRITICAL OR OTHER TYPE CONNECTION AS INDICTED ON DRAWINGS.
      ii. BOLT SIZE SHALL BE 3/4 INCH DIAMETER UNLESS NOTED OTHERWISE.
      iii. MATERIAL PROPERTIES:
         a. ASTM F3125 GRADE A325
         b. ASTM F3125 GRADE F1852
         c. ASTM F3125 GRADE A490
         d. ASTM F3125 GRADE F2280
      iv. COATING PROPERTIES:
         a. UNCOATED
         b. ASTM B695 CLASS 50 (MECHANICALLY DEPOSITED ZINC COATING)
   3. CONNECTIONS NOT SPECIFICALLY DETAILED ON DRAWINGS SHALL BE DESIGNED BY FABRICATOR IN ACCORDANCE WITH AISC SPECIFICATIONS
      i. SHOP CONNECTIONS SHALL BE BOLTED OR WELDED.
      ii. FIELD CONNECTIONS SHALL BE BOLTED WHERE POSSIBLE UNLESS NOTED OTHERWISE.
      iii. USE DOUBLE ANGLE CONNECTIONS WHERE POSSIBLE UNLESS NOTED OTHERWISE.
      iv. WHEN NO REACTIONS ARE INDICATED, DESIGN CONNECTIONS AS A SIMPLE SHEAR CONNECTION TO SUPPORT A REACTION VALUE EQUAL TO ONE HALF THE AISC TABULATED ALLOWABLE UNIFORM LOAD VALUE (6 KIPS MINIMUM)
      v. MEMBERS CALLED OUT AS "CONTINUOUS" SHALL BE FABRICATED AND WELDED TO DEVELOP THE FULL TENSILE CAPACITY OF THE MEMBERS AT JOINTS.

E. FRAMING ACCESSORIES:
   1. SHEAR CONNECTORS (HEADED STUD ANCHORS):
      i. MATERIAL PROPERTIES:
         a. ASTM A108 GRADES 1015-1020, AWS D1.1 TYPE A FOR DIA: 1/4" - 3/8"
         b. ASTM A108 GRADES 1015-1020, AWS D1.1 TYPE B FOR DIA: 1/2" - 1"
      ii. COATING PROPERTIES:
         a. UNCOATED
         b. ASTM B695 CLASS 50 (MECHANICALLY DEPOSITED ZINC COATING)
   2. ANCHOR RODS:
      i. MATERIAL PROPERTIES:
         a. ASTM F1554 GRADE 36
      ii. COATING PROPERTIES:
         a. UNCOATED
         b. ASTM A153 CLASS C (HOT-DIP GALVANIZED)
   3. HEAVY HEX NUTS:
      i. MATERIAL PROPERTIES:
         a. ASTM A563
      ii. COATING PROPERTIES:
         a. MATCH MATING COMPONENTS
   4. WASHERS:
      i. MATERIAL PROPERTIES:
         a. ASTM F436
         b. ASTM F844
      ii. COATING PROPERTIES:
         a. MATCH MATING COMPONENTS
   5. PLATE WASHERS:
      i. MATERIAL PROPERTIES:
         a. SEE ITEM 5.1.B.5.1
      ii. COATING PROPERTIES:
         a. MATCH MATING COMPONENTS
   6. HEADED STUD ANCHORS (FOR EMBEDS):
      i. MATERIAL PROPERTIES:
         a. ASTM A108 GRADES 1015-1020, AWS D1.1 TYPE A FOR DIA: 1/4" - 3/8"
         b. ASTM A108 GRADES 1015-1020, AWS D1.1 TYPE B FOR DIA: 1/2" - 1"
      ii. COATING PROPERTIES:
         a. MATCH MATING EMBED
      iii. CONNECTION TO EMBED:
         a. MANUFACTURER TO PROVIDE AUTOMATIC STUD WELD
   7. DEFORMED BAR ANCHORS (FOR EMBEDS):
      i. MATERIAL PROPERTIES:
         a. ASTM A496, AWS D1.1 TYPE C
         b. ASTM A706 GRADE 60 (LOW-ALLOY WELDABLE)
      ii. COATING PROPERTIES:
         a. MATCH MATING EMBED
      iii. CONNECTION TO EMBED:
         a. MANUFACTURER TO PROVIDE AUTOMATIC STUD WELD
         b. SHOP WELDING SHALL BE PERMITTED FOR ASTM A706 DEFORMED BAR ANCHORS. HOWEVER, E70 ELECTRODES ARE NOT PERMITTED FOR GRADE 60 ANCHORS.
            1. FOR ANCHORS ORIENTED PERPENDICULAR TO ANCHORING PLATE, THE FOLLOWING MINIMUM ALL-AROUND FILLET WELDS SHALL BE PROVIDED USING E80 ELECTRODES:

#3: 1/4"	#4: 1/4"	#5: 5/16"	#6: 3/8"	#7: 7/16"	#8: 1/2"

F. GENERAL - STEEL FRAMING:
   1. NO SPLICES IN COLUMNS WILL BE PERMITTED UNLESS SPECIFICALLY NOTED ON DRAWINGS.
G. FABRICATION
   1 SPLICING OF STRUCTURAL STEEL MEMBERS IS PROHIBITED WITHOUT PRIOR APPROVAL OF THE ENGINEER AS TO LOCATION AND TYPE OF SPLICE TO BE MADE. ANY MEMBER HAVING SPLICE NOT SHOWN AND DETAILED ON SHOP DRAWINGS WILL BE REJECTED.
H. ERECTION
   1 ERECTION TOLERANCES OF ANCHOR BOLTS, EMBEDDED ITEMS, AND ALL STRUCTURAL STEEL UNLESS SPECIFIED OTHERWISE ON THE STRUCTURAL DRAWINGS SHALL CONFORM TO THE AISC CODE OF STANDARD PRACTICE.
   2 FIELD CUTTING OF STRUCTURAL STEEL OR ANY FIELD MODIFICATIONS TO STRUCTURAL STEEL SHALL NOT BE MADE WITHOUT PRIOR APPROVAL OF THE ENGINEER.
   3 CONTRACTOR SHALL PROTECT ANY UNPRIMED STRUCTURAL STEEL FROM DETRIMENTAL EFFECTS OF CORROSION, AS REQUIRED, UNTIL THE STEEL IS ENCLOSED AND PROTECTED BY THE NEW CONSTRUCTION.
   4 HOT DIP GALVANIZE AFTER FABRICATION ALL STRUCTURAL STEEL ITEMS AND CONNECTIONS PERMANENTLY EXPOSED TO THE WEATHER, WHETHER SPECIFIED ON THE STRUCTURAL DRAWINGS OR NOT. SUCH ITEMS INCLUDE, BUT ARE NOT LIMITED TO:
      i. SHELF ANGLES
      ii. PARAPET WALL SUPPORTING MEMBERS
      iii. WINDOW WASHING SUPPORT MEMBERS
      iv. ALL EMBEDDED PLATES IN CONCRETE
      v. BUILDING CLADDING SUPPORT STEEL IN SPACE NOT AIR CONDITIONED AND/OR EXPOSED TO MOISTURE OUTSIDE THE EXTERIOR WATERPROOFING SURFACE IF ANY.
      vi. RAILING EXPOSED TO WEATHER.
      viii. EXAMINE THE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR OTHER ITEMS REQUIRED TO BE HOT DIPPED GALVANIZED. GALVANIZE ALL NUTS, BOLTS, AND WASHERS USED IN CONNECTION WITH SUCH STEEL. FIELD WELDED CONNECTIONS SHALL HAVE WELDS PROTECTED.
   5 GRIND SMOOTH ALL WELDS VISIBLE TO THE PUBLIC. GRIND OFF ALL WELD SPLATTER.
I. CONTRACTOR SHALL COORDINATE STRUCTURAL STEEL FIREPROOFING REQUIREMENTS. ALL INTERIOR STRUCTURAL STEEL, INCLUDING STEEL JOISTS, SCHEDULED OR INDICATED TO RECEIVE SPRAY APPLIED FIREPROOFING SHALL BE DELIVERED TO THE PROJECT SITE UNPRIMED. STEEL EXPOSED TO CORROSIVE CONDITIONS AFTER INSTALLATION SHALL BE PRIMED WITH A PROTECTIVE COATING WHICH DOES NOT DIMINISH THE BOND BETWEEN THE SPRAY APPLIED FIREPROOFING, AND THE STEEL SUBSTRATE. ANY PRIMER, AND/OR COATING APPLIED TO STRUCTURAL STEEL SHALL BE APPROVED FOR USE IN THE APPLICABLE U.L. FIRE RESISTANCE ASSEMBLY USED ON THE PROJECT.
J. FOR LOOSE LINTELS, MASONRY SHELF ANGLES AND OTHER SUCH ITEMS GENERALLY NOT SHOWN ON THE STRUCTURAL DRAWINGS, REFER TO THE ARCHITECTURAL DRAWINGS.
K. STEEL COLUMNS BELOW GRADE SHALL BE ENCASED IN A MINIMUM OF 4" CONCRETE OR PAINTED WITH 2 COATS OF ASPHALTUM PAINT, UNLESS OTHERWISE SHOWN.
L. STEEL BEAMS NOT SPECIFED TO RECEIVE CAMBER SHALL BE ERECTED SUCH THAT ANY MINOR CAMBER INDUCED FROM ROLLING OR SHOP ASSEMBLY WILL BE UPWARD IN THE FINAL INSTALLED STATE
M. THE ERECTOR SHALL SHIM BETWEEN PARALLEL ROOF BEAMS AND JOISTS WITH DIFFERENTIAL MILL AND INDUCED CAMBERS FOR LEVEL DECK BEARING.
N. REFER TO THE DIVISION 5 STRUCTURAL STEEL SPECIFICATION OF THE PROJECT MANUAL FOR STRUCTURAL STEEL SURFACE PREPARATIONS AND PRIME PAINTING REQUIREMENTS.
O. PROVIDE CAP PLATES/END PLATES TO CLOSE OFF EXPOSED, OPEN ENDS OF ALL TUBULAR MEMBERS, UNLESS NOTED. SEAL WELD WITH PARTIAL PENETRATION SQUARE GROOVE WELDS FOR WATERTIGHT CONDITION.

5.3 STEEL DECKING

A. REFER TO APPLICABLE SPECIFICATION SECTIONS FOR ADDL INFO
B. STEEL DECKING SHALL COMPLY WITH STEEL DECK INSTITUTE SPECIFICATIONS
C. STEEL DECKING SHALL BE SIZED AS INDICATED ON DRAWINGS
D. STEEL DECKING SHALL BE FABRICATED IN CONTINUOUS PANELS BRIDGING FOUR SUPPORTS (SPANNING OVER THREE CONSECUTIVE SPANS) UNLESS NOTED OTHERWISE
E. STEEL DECKING SHALL BE FASTENED AS INDICATED ON DRAWINGS OR SPECIFICATIONS
F. STEEL ROOF DECKING:
   1. ALL DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH ANSI/SDI RD-2022
   2. MATERIAL PROPERTIES:
      i. ASTM A653 GRADE 50 MIN
      ii. ASTM A1008 GRADE 50 MIN
   3. COATING PROPERTIES:
      i. PRIME & PAINT, COORDINATE WITH FINAL PAINT SYSTEM
      ii. ASTM A653 (ZINC)
G. COMPOSITE STEEL FLOOR DECKING:
   1. ALL DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH ANSI/SDI C-2022
   2. MATERIAL PROPERTIES:
      i. ASTM A653 GRADE 50 MIN
         a. MAXIMUM DESIGN YIELD STRESS SHALL NOT EXCEED 50KSI NOR Fy
      ii. ASTM A1008 GRADE 50 MIN
         a. MAXIMUM DESIGN YIELD STRESS SHALL NOT EXCEED 50KSI NOR Fy
   3. COATING PROPERTIES:
      i. PRIME & PAINT, COORDINATE WITH FINAL PAINT SYSTEM
      ii. ASTM A653 (ZINC)
H. SHEET STEEL FOR GALVANIZED ROOF DECK AND ACCESSORIES SHALL CONFORM TO ASTM A653, STRUCTURAL QUALITY, WITH A MINIMUM YIELD STRENGTH OF 50 KSI. GALVANIZING SHALL CONFORM TO ASTM A653 WITH A MINIMUM COATING OF G90 AS DEFINED IN A653.
I. SHEET STEEL FOR PRIME PAINTED ROOF DECK AND ACCESSORIES SHALL CONFORM TO ASTM A1008 WITH A MINIMUM YIELD STRENGTH OF 50 KSI.
J. ROOF DECK SHALL BE CONTINUOUS OVER FOUR OR MORE SUPPORTS.
K. PLACE DECK PANELS ON STRUCTURAL SUPPORTS AND ADJUST TO FINAL POSITION WITH ENDS LAPPED 2 INCHES OVER STRUCTURAL SUPPORTS. PROVIDE MINIMUM END BEARING OF 2 INCHES.
L. ROOF DECK CONNECTIONS SHALL CONFORM TO THE REQUIREMENTS OF FACTORY MUTUAL CLASS 1-90 (DATA SHEET 1-28, JANUARY 2012) AT MINIMUM. FOR CONNECTION PURPOSES, THE WIDTH OF THE ROOF CORNERS AND PERIMETER, INCLUDING RIDGES, IS DEFINED AS THE SMALLER OF:
   a. 0.1 TIMES THE BUILDING LESSER PLAN DIMENSION.
   b. 0.4 TIMES THE EAVE HEIGHT
   c. MINIMUM WITH OF 4 FEET.
M. POWER DRIVEN FASTENERS SHALL BE SELECTED BY THE CONTRACTOR FOR THE COMBINATIONS OF DECK GAUGE AND DECK SUPPORT MEMBER THICKNESS. SUBMIT PROPOSED FASTENERS WITH COMPLETE MANUFACTURER'S INFORMATION, INCLUDING DIAPHRAGM SHEAR VALUES FOR THE ENGINEER TO REVIEW.
N. PUDDLE WELDS SHALL BE 5/8" MINIMUM DIAMETER AND SHALL BE MADE THROUGH WELD WASHERS FOR DECKING LIGHTER THAN 22 GAUGE.
O. MECHANICAL, ELECTRICAL AND PLUMBING SYSTEMS SHALL NOT BE SUPPORTED BY THE METAL ROOF DECK.

5.5 STEEL JOISTS

A. REFER TO APPLICABLE SPECIFICATION SECTIONS FOR ADDL INFO
B. STEEL JOISTS SHALL COMPLY WITH STEEL JOIST INSTITUTE SPECIFICATIONS
C. STEEL JOISTS SHALL BE SIZED AS INDICATED ON DRAWINGS
D. K-SERIES, LH-SERIES, DLH-SERIES OPEN WEB STEEL JOISTS AND JOIST GIRDERS:
   1. ALL DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH SJI 100-2015
   2. MATERIAL PROPERTIES:
      i. ASTM A36
   3. COATING PROPERTIES:
      i. UNCOATED
      ii. PRIME & PAINT, COORDINATE WITH FINAL PAINT SYSTEM

DIVISION 07 - THERMAL AND MOISTURE PROTECTION

7.1 CONCRETE SEALER

A. CONCRETE SEALER SHALL BE APPLIED TO ALL SLAB ON GRADE AND SUPPORTED SLAB SURFACES AND EXTENDED UP VERTICAL SURFACES 24 INCHES.

7.3 JOINT SEALANTS

A. ALL JOINTS BETWEEN STRUCTURAL (AND ARCHITECTURAL) MEMBERS SHALL BE PROPERLY PREPARED AND FILLED WITH JOINT SEALANT UNLESS NOTED OTHERWISE. ALL JOINT EDGES, INCLUDING TOP AND BOTTOM OF HORIZONTAL SURFACES AND BOTH FACES OF VERTICAL SURFACES, SHALL BE FORMED OR TOOLED AS REQUIRED. JOINT SEALANT SHALL BE APPLIED ONLY TO TOP OF HORIZONTAL SURFACES AND BOTH FACES OF VERTICAL SURFACES UNLESS NOTED OTHERWISE ON DRAWINGS.

B. JOINTS TO BE PREPARED AND FILLED WITH JOINT SEALANT SHALL INCLUDE, BUT ARE NOT LIMITED TO, CONSTRUCTION JOINTS, CONTROL JOINTS, ISOLATION JOINTS, AND ALL INTERFACE JOINTS BETWEEN SIMILAR AND DISSIMILAR MEMBERS. SPECIFIC LOCATIONS MAY BE INDICATED ON DRAWINGS OR MAY BE REQUIRED BY SHOP DRAWINGS OR MAY OCCUR DUE TO CONSTRUCTION SEQUENCE SELECTED BY CONTRACTOR.

No.	Date	Issue / Revision

CODY LAMBERT, PE
FL, 100455

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607

FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

GENERAL NOTES

DWG NO. S-003

SHEET NO.

DIVISION 31 - EARTHWORK

31.1 FOUNDATIONS AND OTHER EARTH BEARING SYSTEMS

A. FOUNDATIONS AND OTHER EARTH BEARING SYSTEMS ARE DESIGNED IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE FOLLOWING GEOTECHNICAL INVESTIGATION REPORT:
   1. REPORT NAME: FINAL REPORT OF GEOTECHNICAL INVESTIGATION ESCAMBIA-SANTA ROSA RTMC AND ECRC OFICE FACILITY (NO. 301-35-23-01)
   2. REPORT DATE: MAY 10, 2024
   3. PREPARED BY: ENVIRONMENTAL AND GEOTECHNICAL SPECIALISTS, INC.
   4. REFER TO APPLICABLE SPECIFICATION SECTIONS FOR ADDL INFO

B. OTHER EARTH BEARING SYSTEMS:
   1. CAST-IN-PLACE CONCRETE SLAB-ON-GRADE:
      i. SIZES AND LOCATIONS AS SPECIFIED ON DRAWINGS.
      ii. MATERIAL PROPERTIES AS SPECIFIED IN DIVISION 03.
      iii. CONCRETE ELEMENTS ON NATIVE SOIL OR ENGINEERED FILL:
         a. BEARING STRATUM SHALL COMPLY WITH THE REQUIREMENTS OF THE GEOTECHNICAL INVESTIGATION REPORT.
         b. LOCATION SHALL BE ASSUMED AS TYPICAL UNLESS NOTED OTHERWISE.
         c. SUBGRADE SHALL BE PREPARED IN ACCORDANCE WITH SECTION "RTMC & ECRC BUILDING - STRUCTURAL FILL" OF THE GEOTECHNICAL REPORT
         d. ALL MATERIALS TO BE COMPACTED STANDARD PROCTOR ASTM D698. TESTING LABORATORY TO VERIFY ADEQUACY OF SUBGRADE PREPARATION, FILL MATERIAL AND COMPACTION AS FOLLOWS: 95%
         e. PROVIDE A 15 MIL POLYOLEFIN VAPOR BARRIOR AT GROUND LEVEL. PLACE VAPOR BARRIOR IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, BUT WITH JOINTS LAPPED NOT LESS THAN 6 INCHES. ON TOP OF STRUCTURAL FILL.
         f. TERMITE PROTECTION MEASURES SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 1816 "TERMITE PROTECTION" OF THE FLORIDA BUILDING CODE

   2. SITE PAVINGS, WALKS, AND AREAS OF GENERAL GRADING/BACKFILLING:
      i. AS SPECIFIED BY CIVIL UNLESS NOTED OTHERWISE
      ii. CONCRETE ELEMENTS ON NATIVE SOIL OR ENGINEERED FILL:
         a. BEARING STRATUM SHALL COMPLY WITH THE REQUIREMENTS OF THE GEOTECHNICAL INVESTIGATION REPORT.
         b. ALL MATERIALS TO BE COMPACTED STANDARD PROCTOR ASTM D698. TESTING LABORATORY TO VERIFY ADEQUACY OF SUBGRADE PREPARATION, FILL MATERIAL AND COMPACTION AS FOLLOWS: 95%

C. SHALLOW FOUNDATIONS:
   1 FOUNDATIONS SHALL BE PLACED AT ELEVATIONS SPECIFIED ON DRAWINGS. A MINIMUM OF 2'-0" SEPERATION SHALL BE PROVIDED BETWEEN CLAYEY SOILS AND THE BOTTOM OF PROPOSED STRUCTURAL FOOTINGS AND FOOTINGS SHALL BEAR AT LEAST 2'-0" BELOW FINISHED GRADE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT.

   2 CAST-IN-PLACE CONCRETE FOOTINGS, MATS, AND STRIPS:
      i. SIZES AND LOCATIONS AS SPECIFIED ON DRAWINGS.
      ii. MATERIAL PROPERTIES AS SPECIFIED IN DIVISION 03.
      iii. CONCRETE ELEMENTS ON NATIVE SOIL OR ENGINEERED FILL:
         a. BEARING STRATUM SHALL COMPLY WITH THE GEOTECHNICAL INVESTIGATION REPORT
         b. LOCATION SHALL BE ASSUMED AS TYPICAL UNLESS NOTED OTHERWISE.
         c. ALLOWABLE DESIGN CAPACITIES:
            1. GRAVITY BEARING (UNIFORM UNO)
               a. COLUMN FOOTING 3950 PSF (NET)
               b. STRIP FOOTING 4000 PSF (NET)
            2. SLIDING COEFFICIENT .36

31.2 PERMANENT LATERAL EARTH RETENTION

A. STRUCTURE IS DESIGNED IN ACCORDANCE WITH ASCE7 FOR EACH PORTION AT GRADE SUBJECTED TO LATERAL EARTH PRESSURES. LATERAL EARTH PRESSURES SPECIFIED HEREIN ARE IN ACCORDANCE WITH THE GEOTECHNICAL INVESTIGATION FOR THE TYPES OF BEHAVIOR GIVEN TO EACH LATERAL EARTH RETAINING ELEMENT.

   1. EARTH LATERAL LOADING:
      i. ACTIVE PRESSURE 38 PSF/FT
      ii. AT-REST PRESSURE 58 PSF/FT
      iii. PASSIVE PRESSURE 173 PSF/FT

31.3 GENERAL - EARTHWORK

A. ALL FOUNDATIONS AND OTHER EARTH BEARING SYSTEMS, PERMANENT LATERAL EARTH RETAINING ELEMENTS, EARTHWORK, EXCAVATION, BACKFILL, AND SUBGRADE DRAINAGE SHALL BE SUBJECT TO OBSERVATION BY GEOTECHNICAL ENGINEER WHOSE APPROVAL IS REQUIRED PRIOR TO PLACEMENT OF OTHER CONSTRUCTION MATERIALS OR CONCRETE. CONTRACTOR SHALL COORDINATE THE CONSTRUCTION SCHEDULE WITH THE GEOTECHNICAL ENGINEER TO FACILITATE OBSERVATION.

B. CONTRACTOR SHALL DETERMINE IN FIELD HORIZONTAL AND VERTICAL LOCATION OF ANY EXISTING UTILITY LINES AND/OR APPURTENANCES AND ADVISE ENGINEER OF ANY CONFLICTS WITH NEW STRUCTURE PRIOR TO CONSTRUCTION. DO NOT DESTROY ANY EXISTING UNDERGROUND STRUCTURES UNLESS AUTHORIZATION IS OBTAINED PRIOR TO CONSTRUCTION.

C. CONTRACTOR SHALL MAINTAIN SAFETY IN CONNECTION WITH EARTH SLOPES CAUSED BY TRENCHING, EXCAVATION, AND/OR FILL DURING CONSTRUCTION. WHERE HEIGHT OF SUCH SLOPES WILL EXCEED 8 FEET OR AS SPECIFIED ON DRAWINGS, SUBMIT FOR RECORD LAYOUT DRAWINGS INDICATING DESIGN OF TEMPORARY EARTH RETENTION SYSTEM WHICH WILL BE IMPLEMENTED (SUCH AS SHEETING AND SHORING OR OTHER METHODS), PREPARED, SIGNED, AND SEALED BY A GEOTECHNICAL AND/OR STRUCTURAL ENGINEER REGISTERED IN STATE WHICH PROJECT IS LOCATED. REFER TO SPECIFICATION SECTION FOR ADDL INFO.

D. ANY UNUSUAL SOIL CONDITIONS (WATER, SOFT LAYERS, ODORS, ETC.) ENCOUNTERED DURING EXCAVATION SHOULD BE IMMEDIATELY BROUGHT TO ATTENTION OF THE GEOTECHNICAL ENGINEER.

No.	Date	Issue / Revision

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FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

GENERAL NOTES

DWG NO. S-004

SHEET NO.

SPECIAL INSPECTIONS

I. GENERAL

A. THE OWNER SHALL EMPLOY ONE OR MORE APPROVED AGENCIES (SPECIAL INSPECTORS) WHO SHALL PROVIDE INSPECTIONS AND MATERIALS TESTING DURING CONSTRUCTION. ALL SPECIAL INSPECTIONS AND TESTING SHALL CONFORM TO THE REQUIREMENTS OF THE IBC SECTION 1705.

B. SPECIAL INSPECTIONS ARE IN ADDITION TO THE INSPECTIONS CONDUCTED BY THE LOCAL BUILDING OFFICIAL AND SHALL NOT RELIEVE THE OWNER AND CONTRACTOR FROM REQUESTING THE BUILDING OFFICIAL'S INSPECTIONS REQUIRED BY IBC SECTION 110.

C. THE SPECIAL INSPECTOR IS OBLIGATED TO BOTH THE OWNER AND THE BUILDING OFFICIAL FOR OBSERVING THAT THE WORK IS EXECUTED IN CONFORMANCE WITH THE CONTRACT DOCUMENTS. THE CONTRACT DOCUMENTS ARE DEFINED AS THE APPROVED, PERMITTED PLANS AND SPECIFICATIONS, AND ALL ADDENDA.

D. THE OWNER SHALL ARRANGE FOR ALL NECESSARY CONSTRUCTION RECORDS TO BE FURNISHED TO THE SPECIAL INSPECTOR IN A TIMELY MANNER. SUCH RECORDS SHALL CONSIST OF, BUT MAY NOT BE LIMITED TO APPROVED CONSTRUCTION DOCUMENTS, APPROVED SHOP DRAWINGS, CONCRETE CYLINDER TEST REPORTS, ETC.

E. DELEGATED DESIGN ITEMS LISTED IN SECTION 1.3 "DEFERRED SUBMITTALS" SHALL HAVE SPECIAL INSPECTIONS THAT ARE DETERMINED BY THE ENGINEER-OF-RECORD FOR THE SPECIFIC DELEGATED DESIGN ITEM.

II. SPECIAL INSPECTOR QUALIFICATIONS

A. THE SPECIAL INSPECTOR SHALL PROVIDE WRITTEN DOCUMENTATION TO THE BUILDING OFFICIAL DEMONSTRATING HIS OR HER COMPETENCE AND RELEVANT EXPERIENCE OR TRAINING. THESE QUALIFICATIONS ARE IN ADDITION TO QUALIFICATIONS SPECIFIED IN OTHER SECTIONS OF THE IBC AND SHALL BE REVIEWED AND ACCEPTED BY THE BUILDING OFFICIAL PRIOR TO THE COMMENCEMENT OF SPECIAL INSPECTIONS WORK.

1 WRITTEN DOCUMENTATION MAY INCLUDE THE CERTIFICATE OF SUCCESSFUL COMPLETION OF AN APPROVED COURSE OR CERTIFICATION AS REQUIRED BY THE JURISDICTION. IT SHALL BE THE SPECIAL INSPECTOR'S RESPONSIBILITY TO BE AWARE OF, AND MAINTAIN CURRENT CERTIFICATION, FOR ANY APPROVED COURSE OR CERTIFICATION REQUIRED BY THE BUILDING OFFICIAL THROUGHOUT THE CONSTRUCTION OF THIS PROJECT.

B. THE SPECIAL INSPECTOR SHALL BE OBJECTIVE, COMPETENT, AND INDEPENDENT FROM THE CONTRACTOR RESPONSIBLE FOR THE WORK BEING INSPECTED. THE SPECIAL INSPECTOR SHALL ALSO DISCLOSE POSSIBLE CONFLICTS OF INTEREST SO THAT OBJECTIVITY CAN BE CONFIRMED.

C. THE SPECIAL INSPECTOR SHALL HAVE ADEQUATE EQUIPMENT TO PERFORM REQUIRED TESTS. THE EQUIPMENT SHALL BE PERIODICALLY CALIBRATED IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS OR AS REQUIRED BY CODE OR SPECIFICATION.

D. THE SPECIAL INSPECTOR SHALL EMPLOY EXPERIENCED PERSONNEL EDUCATED IN CONDUCTING, SUPERVISING, AND EVALUATING TESTS AND/OR INSPECTIONS.

E. THE SPECIAL INSPECTOR SHALL POSSESS A THOROUGH KNOWLEDGE OF THE CONTRACT DOCUMENTS AND APPROPRIATE PORTIONS OF THE GOVERNING CODE.

III. REQUIREMENTS OF THE SPECIAL INSPECTOR

A. THE SPECIAL INSPECTOR SHALL MAINTAIN WRITTEN RECORDS OF INSPECTIONS.

B. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE.

C. REQUIREMENTS FOR THESE INSPECTION REPORTS SHALL BE AS FOLLOWS:

1 THE REPORTS SHALL BE IN WRITING.

2 A SEPARATE REPORT SHALL BE SUBMITTED FOR EACH DAY INSPECTIONS AND/OR TESTING WERE PERFORMED.

3 EACH REPORT SHALL CONTAIN THE FOLLOWING INFORMATION.

a. DATE
b. PROJECT NAME
c. PROJECT LOCATION
d. BUILDING PERMIT NUMBER
e. CONTRACTOR'S NAME
f. NAME OF INDIVIDUAL PREPARING THE REPORT
g. NAMES OF KEY INDIVIDUALS WHO WERE PRESENT DURING THE INSPECTION PROCESS
h. IDENTIFICATION OF STRUCTURAL COMPONENTS BEING INSPECTED
i. OBSERVATIONS NOTED DURING INSPECTION
j. ALL DISCREPANCIES AND DEVIATIONS FROM THE CONTRACT DOCUMENTS
k. INDICATION IF THE ITEMS INSPECTED WERE OR WERE NOT IN CONFORMANCE WITH THE CONTRACT DOCUMENTS

D. THE SPECIAL INSPECTOR SHALL MAINTAIN A WRITTEN DISCREPANCY LOG WHERE ANY DISCREPANCIES AND/OR DEVIATIONS FROM THE CONTRACT DOCUMENTS OBSERVED BY THE SPECIAL INSPECTOR ARE RECORDED.

E. DISCREPANCIES AND/OR DEVIATIONS FROM THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF THESE DISCREPANCIES AND/OR DEVIATIONS ARE NOT CORRECTED, THE DISCREPANCIES/DEVIATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE PRIOR TO THE COMPLETION OF THAT PHASE OF WORK. CORRECTIONS OF ANY DISCREPANCIES SHALL BE RE-INSPECTED BY THE SPECIAL INSPECTOR AND PHOTOGRAPHED FOR RECORD IN THE DISCREPANCY LOG.

F. A FINAL REPORT DOCUMENTING ALL OF THE REQUIRED SPECIAL INSPECTIONS AND THE CORRECTIONS OF ALL OF THE DISCREPANCIES/DEVIATIONS NOTED IN THE INSPECTION REPORTS SHALL BE SUBMITTED TO THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE.

IV. REQUIREMENTS OF THE CONTRACTOR

A. ACCESS FOR SPECIAL INSPECTION: THE CONSTRUCTION OR WORK FOR WHICH SPECIAL INSPECTION IS REQUIRED SHALL REMAIN ACCESSIBLE AND EXPOSED FOR SPECIAL INSPECTION PURPOSES UNTIL COMPLETION OF THE REQUIRED SPECIAL INSPECTIONS.

B. THE CONTRACTOR SHALL ADVISE THE SPECIAL INSPECTOR IN ADVANCE OF CONSTRUCTION SCHEDULES AND PLANNED OPERATIONS TO ASSURE TIMELY AND APPROPRIATE INSPECTIONS AND OBSERVATIONS. A MINIMUM OF 24 HOURS' NOTICE SHALL BE GIVEN FOR ALL REQUESTED INSPECTIONS.

C. EACH CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION OF A MAIN WIND- OR SEISMIC FORCE-RESISTING SYSTEM, DESIGNATED SEISMIC SYSTEM OR A WIND- OR SEISMIC-RESISTING COMPONENT LISTED IN THE STATEMENT OF SPECIAL INSPECTIONS SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY TO THE BUILDING OFFICIAL AND THE OWNER PRIOR TO THE COMMENCEMENT OF WORK ON THE SYSTEM OR COMPONENT. THE CONTRACTOR'S STATEMENT OF RESPONSIBILITY SHALL CONTAIN ACKNOWLEDGEMENT OF AWARENESS OF THE SPECIAL INSPECTION REQUIREMENTS CONTAINED IN THE STATEMENT OF SPECIAL INSPECTION.

V. FABRICATORS

A. INSPECTION OF FABRICATORS: WHERE FABRICATION OF STRUCTURAL LOAD-BEARING MEMBERS AND ASSEMBLIES IS PERFORMED ON THE PREMISES OF A FABRICATOR'S SHOP, SPECIAL INSPECTION OF THE FABRICATED ITEMS SHALL BE REQUIRED AND IN ACCORDANCE WITH SECTION 1704.2.5.1 "FABRICATION AND IMPLEMENTATION PROCEDURES" AND AS REQUIRED ELSEWHERE IN THE IBC.

1 EXCEPTION: SPECIAL INSPECTIONS OF FABRICATORS AS REQUIRED BY SECTION 1704.2.5 SHALL NOT BE REQUIRED WHERE THE FABRICATOR IS APPROVED IN ACCORDANCE WITH SECTION 1704.2.5.2.

B. FABRICATOR APPROVAL: SPECIAL INSPECTIONS REQUIRED BY SECTION 1705 ARE NOT REQUIRED WHERE THE WORK IS DONE ON THE PREMISES OF A FABRICATOR REGISTERED AND APPROVED TO PERFORM SUCH WORK WITHOUT SPECIAL INSPECTION. AT COMPLETION OF FABRICATION, THE APPROVED FABRICATOR SHALL SUBMIT A CERTIFICATE OF COMPLIANCE TO THE BUILDING OFFICIAL STATING THAT THE WORK WAS PERFORMED IN ACCORDANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS.
FABRICATOR APPROVAL: SPECIAL INSPECTIONS REQUIRED BY SECTION 1705 ARE NOT REQUIRED WHERE THE WORK IS DONE ON THE PREMISES OF A FABRICATOR REGISTERED AND APPROVED TO PERFORM SUCH WORK WITHOUT SPECIAL INSPECTION. AT COMPLETION OF FABRICATION, THE APPROVED FABRICATOR SHALL SUBMIT A CERTIFICATE OF COMPLIANCE TO THE BUILDING OFFICIAL STATING THAT THE WORK WAS PERFORMED IN ACCORDANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS.

VI. STATEMENT OF SPECIAL INSPECTION

A. THE FOLLOWING SCHEDULE OF SPECIAL INSPECTIONS (SSI) IS REQUIRED FOR THIS PROJECT.

TABLE 1705.6
REQUIRED VERIFICATION AND INSPECTION OF SOILS

SPECIAL INSPECTION REQUIRED	VERIFICATION AND INSPECTION	CONTINUOUS DURING TASK LISTED	PERIODIC DURING TASK LISTED
YES	1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY	-	X
YES	2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL	-	X
YES	3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS	-	X
YES	4. DURING FILL PLACEMENT, VERIFY USE OF PROPER MATERIALS AND PROCEDURES IN ACCORDANCE WITH THE PROVISIONS OF THE APPROVED GEOTECHNICAL REPORT. VERIFY DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL	X	-
YES	5. PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY	-	X

AISC 360-16 (TABLE N5.6-1)
REQUIRED VERIFICATION AND INSPECTION TASKS FOR BOLTING OF STRUCTURAL STEEL

SPECIAL INSPECTION REQUIRED	VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD	IBC REFERENCE
	1. INSPECTION TASKS PRIOR TO BOLTING				
YES	A. MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS	X	-	AISC 360-16: N5.6-1	1705.2.1
YES	B. FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS	-	X	AISC 360-16: N5.6-1	1705.2.1
YES	C. CORRECT FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH IF THREADS ARE TO BE EXCLUDED FROM SHEAR PLANE)	-	X	AISC 360-16: N5.6-1	1705.2.1
YES	D. CORRECT BOLTING PROCEDURE SELECTED FOR JOINT DETAIL	-	X	AISC 360-16: N5.6-1	1705.2.1
YES	E. CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS	-	X	AISC 360-16: N5.6-1	1705.2.1
YES	F. PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED	X	-	AISC 360-16: N5.6-1	1705.2.1
YES	G. PROTECTED STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENTS	-	X	AISC 360-16: N5.6-1	1705.2.1
	2. INSPECTION TASKS DURING BOLTING				
YES	A. FASTENER ASSEMBLIES, OF SUITABLE CONDITION, PLACED IN ALL HOLES AND WASHERS (IF REQUIRED) ARE POSITIONED AS REQUIRED	-	X	AISC 360-16: N5.6-2	1705.2.1
YES	B. JOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING OPERATION	-	X	AISC 360-16: N5.6-2	1705.2.1
YES	C. FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING	-	X	AISC 360-16: N5.6-2	1705.2.1
YES	D. FASTENERS ARE PRETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES	-	X	AISC 360-16: N5.6-2	1705.2.1
	3. INSPECTION TASKS AFTER BOLTING				
YES	A. DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS	X	-	AISC 360-16: N5.6-3	1705.2.1

TABLE 1705.3
REQUIRED VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION

SPECIAL INSPECTION REQUIRED	VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD(a)	IBC REFERENCE
YES	1. INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS, AND VERIFY PLACEMENT.	-	X	ACI 318 Ch. 20, 25.2, 25.3, 26.6.1-26.6.3	-
YES	2A. INSPECTION OF REINFORCING BAR WELDING - VERIFICATION OF WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706	-	X	AWS D1.4; ACI 318: 26.6.4	-
YES	2B. INSPECTION OF REINFORCING BAR WELDING - INSPECTION OF SINGLE-PASS FILLET WELDS, MAXIMUM 5/16"	-	X	AWS D1.4; ACI 318: 26.6.4	-
YES	2C. INSPECTION OF ALL OTHER WELDS	-	X	AWS D1.4; ACI 318: 26.6.4	-
YES	3. INSPECTION OF ANCHORS CAST IN CONCRETE	-	X	ACI 318: 17.8.2	-
YES	4A. INSPECTION OF ANCHORS POST-INSTALLED IN HARDENED MEMBERS(b)- ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS.	X	-	ACI 318: 17.8.2.4	-
YES	4B. INSPECTION OF ANCHORS POST-INSTALLED IN HARDENED MEMBERS(b) - MECHANICAL AND ADHESIVE ANCHORS NOT DEFINED IN 4A.	-	X	ACI 318: 17.8.2	-
YES	5. VERIFICATION OF USE OF REQUIRED DESIGN MIX.	-	X	ACI 318: Ch. 19, 26.4.3, 26.4.4	1904.1, 1904.2
YES	6. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE	X	-	ASTM C 172; ASTM C 31; ACI 318: 26.5, 26.12	-
YES	7. INSPECTION OF CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES	X	-	ACI 318: 26.5	-
YES	8. VERIFICATION OF MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	-	X	ACI 318: 25.5.3-26.5.5	-
NO	9A. INSPECTION OF PRESTRESSED CONCRETE: APPLICATION OF PRESTRESSING FORCES	X	-	ACI 318: 26.10	-
NO	9B. INSPECTION OF PRESTRESSED CONCRETE: GROUTING OF BONDED PRESTRESSING TENDONS.	X	-	ACI 318: 26.10	-
YES	10. INSPECTION OF ERECTION OF PRECAST MEMBERS	-	X	ACI 318: Ch. 26.9	-
YES	11A. FOR PRECAST CONCRETE DIAPHRAGM CONNECTIONS OR REINFORCEMENT AT JOINTS CLASSIFIED AS MODERATE OR HIGH DEFORMABILITY ELEMENTS (MDE OR HDE) IN STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY C, D, E OR F, INSPECT SUCH CONNECTIONS AND REINFORCEMENT IN THE FIELD FOR: INSTALLATION OF THE EMBEDDED PARTS	X	-	ACI 318: Ch. 26.13.1.3 ACI 550.5	-
YES	11B. FOR PRECAST CONCRETE DIAPHRAGM CONNECTIONS OR REINFORCEMENT AT JOINTS CLASSIFIED AS MODERATE OR HIGH DEFORMABILITY ELEMENTS (MDE OR HDE) IN STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY C, D, E OR F, INSPECT SUCH CONNECTIONS AND REINFORCEMENT IN THE FIELD FOR: COMPLETION OF THE CONTINUITY OF REINFORCEMENT ACROSS JOINTS.	X	-	ACI 318: Ch. 26.13.1.3 ACI 550.5	-
YES	11C. FOR PRECAST CONCRETE DIAPHRAGM CONNECTIONS OR REINFORCEMENT AT JOINTS CLASSIFIED AS MODERATE OR HIGH DEFORMABILITY ELEMENTS (MDE OR HDE) IN STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY C, D, E OR F, INSPECT SUCH CONNECTIONS AND REINFORCEMENT IN THE FIELD FOR: COMPLETION OF CONNECTIONS IN THE FIELD.	X	-	ACI 318: Ch. 26.13.1.3 ACI 550.5	-
NO	12. INSPECT INSTALLATION TOLERANCES OF PRECAST CONCRETE DIAPHRAGM CONNECTIONS FOR COMPLIANCE WITH ACI 550.5	-	X	ACI 318: Ch. 26.13.1.3	-
YES	13. VERIFICATION OF IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS	-	X	ACI 318: 26.11.2	-
YES	14. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED	-	X	ACI 318: 26.11.1.2(b)	-

a. WHERE APPLICABLE, SEE ALSO SECTION 1705.12. SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE.

b. SPECIFIC REQUIREMENTS FOR SPECIAL INSPECTION SHALL BE INCLUDED IN THE RESEARCH REPORT FOR THE ANCHOR ISSUED BY AN APPROVED SOURCE IN ACCORDANCE WITH 17.8.2 IN ACI318, OR OTHER QUALIFICATION PROCEDURES. WHERE SPECIFIC REQUIREMENTS ARE NOT PROVIDED, SPECIAL INSPECTION REQUIREMENTS SHALL BE SPECIFIED BY THE REGISTERED DESIGN PROFESSIONAL AND SHALL BE APPROVED BY THE BUILDING OFFICIAL PRIOR TO COMMENCEMENT OF THE WORK.

No.	Date	Issue / Revision

CODY LAMBERT, PE
FL, 100455

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607

FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

GENERAL NOTES

DWG NO. S-005

SHEET NO.

AISC 360-16 (TABLES N5.4-1, N5.4-2, AND N5.4-3)
REQUIRED VERIFICATION AND INSPECTION TASKS FOR WELDING OF STRUCTURAL STEEL

SPECIAL INSPECTION REQUIRED	VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD	IBC REFERENCE
	1. INSPECTION TASKS PRIOR TO WELDING				
YES	A. WELDER QUALIFICATION RECORDS AND CONTINUITY RECORDS	X	-	AISC 360-16: N5.4-1; AWS D1.1	1705.2.1
YES	B. WPS AVAILABLE	X	-	AISC 360-16: N5.4-1; AWS D1.1	1705.2.1
YES	C. MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE	X	-	AISC 360-16: N5.4-1; AWS D1.1	1705.2.1
YES	D. MATERIAL IDENTIFICATION (TYPE/GRADE)	-	X	AISC 360-16: N5.4-1; AWS D1.1	1705.2.1
YES	E. WELDER IDENTIFICATION SYSTEM	-	X	AISC 360-16: N5.4-1; AWS D1.1	1705.2.1
YES	F. FIT-UP GROOVE WELDS (INCLUDING JOINT GEOMETRY) I. JOINT PREPARATION II. DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL) III. CLEANLINESS (CONDITION OF STEEL SURFACES) IV. TACKING (TACK WELD QUALITY AND LOCATION)	X	-	AISC 360-16: N5.4-1; AWS D1.1	1705.2.1
YES	G. CONFIGURATION AND FINISH OF ACCESS HOLES	-	X	AISC 360-16: N5.4-1; AWS D1.1	1705.2.1
YES	H. FIT-UP FILLET WELDS I. DIMENSIONS (ALIGNMENT, GAPS AT ROOT) II. CLEANLINESS (CONDITION OF STEEL SURFACES) III. TACKING (TACK WELD QUALITY AND LOCATION)	-	X	AISC 360-16: N5.4-1; AWS D1.1	1705.2.1
YES	I. CHECK WELDING EQUIPMENT	-	X	AISC 360-10: N5.4-1; AWS D1.1	1705.2.1
	2. INSPECTION TASKS DURING WELDING				
YES	A. CONTROL AND HANDLING OF WELDING CONSUMABLES I. PACKAGING II. EXPOSURE CONTROL	-	X	AISC 360-16: N5.4-2; AWS D1.1	1705.2.1
YES	B. NO WELDING OVER CRACKED TACK WELDS	-	X	AISC 360-16: N5.4-2; AWS D1.1	1705.2.1
YES	C. ENVIRONMENTAL CONDITIONS I. WIND SPEED WITHIN LIMITS II. PRECIPITATION AND TEMPERATURE	-	X	AISC 360-16: N5.4-2; AWS D1.1	1705.2.1
YES	D. WPS FOLLOWED I. SETTINGS ON WELDING EQUIPMENT II. TRAVEL SPEED III. SELECTED WELDING MATERIALS IV. SHIELDING GAS TYPE/FLOW RATE V. PREHEAT APPLIED VI. INTERPASS TEMPERATURE MAINTAINED (MIN./MAX.) VII. PROPER POSITION (F, V, H, OH)	-	X	AISC 360-16: N5.4-2; AWS D1.1	1705.2.1
YES	E. WELDING TECHNIQUES I. INTERPASS AND FINAL CLEARING II. EACH PASS WITHIN PROFILE LIMITATIONS III. EACH PASS MEETS QUALITY REQUIREMENTS	-	X	AISC 360-16: N5.4-2; AWS D1.1	1705.2.1
YES	F. PLACEMENT AND INSTALLATION OF STEEL HEADED STUD ANCHORS	X	-	AISC 360-16: N5.4-2; AWS D1.1	1705.2.1
	3. INSPECTION TASKS AFTER WELDING				
YES	A. WELDS CLEANED	-	X	AISC 360-16: N5.4-3; AWS D1.1	1705.2.1
YES	B. SIZE, LENGTH AND LOCATION OF WELDS	X	-	AISC 360-16: N5.4-3; AWS D1.1	1705.2.1
YES	C. WELDS MEET VISUAL ACCEPTABLE CRITERIA I. CRACK PROHIBITION II. WELD/BASE-METAL FUSION III. CRATER CROSS SECTION IV. WELD PROFILES V. WELD SIZE VI. UNDERCUT VII. POROSITY	X	-	AISC 360-16: N5.4-3; AWS D1.1	1705.2.1
YES	D. ARC STRIKES	X	-	AISC 360-16: N5.4-3; AWS D1.1	1705.2.1
YES	E. K-AREA2	X	-	AISC 360-16: N5.4-3; AWS D1.1	1705.2.1
YES	F. WELD ACCESS HOLES IN ROLLED HEAVY SHAPES AND BUILT-UP HEAVY SHAPES				
YES	G. BACKING REMOVED AND WELD TABS REMOVED (IF REQUIRED)	X	-	AISC 360-16: N5.4-3; AWS D1.1	1705.2.1
YES	H. REPAIR ACTIVITIES	X	-	AISC 360-16: N5.4-3; AWS D1.1	1705.2.1
YES	I. DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER	X	-	AISC 360-16: N5.4-3; AWS D1.1	1705.2.1
YES	J. NO PROHIBITED WELDS HAVE BEEN ADDED WITHOUT THE APPROVAL OF THE EOR	-	X	AISC 360-16: N5.4-3; AWS D1.1	1705.2.1

1. THE FABRICATOR OR ERECTOR, AS APPLICABLE, SHALL MAINTAIN A SYSTEM BY WHICH A WELDER WHO HAS WELDED A JOINT OR MEMBER CAN BE INDENTIFIED. STAMPS, IF USED SHALL BE THE LOW-STRESS TYPE.
2. WHEN WELDING OF DOUBLER PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PERFORMED IN THE K-AREA, VISUALLY INSPECT THE WEB K-AREA FOR CRACKS WITHIN 3 INCHES OF THE WELD.
3. AFTER ROLLED HEAVY SHAPES (SEE SECTION A3.1C) AND BUILT-UP HEAVY SHAPES (SEE SECTION A3.1D) ARE WELDED, VISUALLY INSPECT THE WELD ACCESS HOLE FOR CRACKS.

TABLE 1705.2.3
REQUIRED VERIFICATION AND INSPECTION OF OPEN-WEB STEEL JOINTS AND JOIST GIRDERS

SPECIAL INSPECTION REQUIRED	VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARDa
	1. INSTALLATION OF OPEN-WEB STEEL JOISTS AND JOIST GIRDERS.			
YES	A. END CONNECTIONS-WELDING OR BOLTED.	-	X	SJI SPECIFICATION LISTED IN SECTION 2207.1.
YES	B. BRIDGING- HORIZONTAL OR DIAGONAL.	-	-	-
	I. STANDARD BRIDGING	-	X	SJI SPECIFICATION LISTED IN SECTION 2207.1.
	II. BRIDGING THAT DIFFERS FROM THE SJI SPECIFICATIONS LISTED IN SECTION 2207.1.	-	X	-

a. WHERE APPLICABLE, SEE ALSO SECTION 1705.12, SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE

TABLE 1705.2.2
REQUIRED VERIFICATION AND INSPECTION OF STEEL CONSTRUCTION OTHER THAN STRUCTURAL STEEL

SPECIAL INSPECTION REQUIRED	VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD
	1. MATERIAL VERIFICATION OF COLD-FORMED STEEL DECK			
YES	A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS	-	X	APPLICABLE ASTM MATERIAL STANDARDS
YES	B. MANUFACTURER'S CERTIFIED TEST REPORTS	-	X	
	2. INSPECTION OF WELDING			
YES	A. COLD-FORMED STEEL DECK I. FLOOR AND ROOF DECK WELDS	-	X	AWS D1.3
	B. REINFORCING STEEL			
YES	I. VERIFICATION OF WELDABILITY OF REINFORCING STEEL OTHER THAN ASTM A 706	-	X	AWS D1.4 ACI 318: 3.5.2
YES	II. REINFORCING STEEL RESISTING FLEXURAL AND AXIAL FORCES IN INTERMEDIATE AND SPECIAL MOMENT FRAMES, AND BOUNDARY ELEMENTS OF SPECIAL STRUCTURAL WALLS OF CONCRETE AND SHEAR REINFORCEMENT.	X	-	AWS D1.4 ACI 318: 3.5.2
YES	III. SHEAR REINFORCEMENT	X	-	AWS D1.4 ACI 318: 3.5.2
YES	IV. OTHER REINFORCING STEEL	-	X	AWS D1.4 ACI 318: 3.5.2

ACI 530-11/TMS 402-11 TABLE 1.19.2
LEVEL B QUALITY ASSURANCE

SPECIAL INSPECTION REQUIRED	MINIMUM TESTS				
YES	VERIFICATION OF SLUMP FLOW AND VISUAL STABILITY INDEX (VSI) AS DELIVERED TO THE PROJECT SITE IN ACCORDANCE WITH SPECIFICATION ARTICLE 1.5 B.1.B.3 FOR SELF-CONSOLIDATING GROUT				
YES	VERIFICATION OF F'_M AND F'_{AAC} IN ACCORDANCE WITH SPECIFICATION ARTICLE 1.4 B PRIOR TO CONSTRUCTION, EXCEPT WHERE SPECIFICALLY EXEMPTED BY THIS CODE				
	INSPECTION TASK	FREQUENCY		REFERENCE FOR CRITERIA	
		CONTINUOUS	PERIODIC	TMS 402 / ACI 530 / ASCE 5	TMS 602 / ACI 530.1 / ASCE 6
YES	1. VERIFY COMPLIANCE WITH THE APPROVED SUBMITTALS	-	X	-	Art. 1.5
	2. AS MASONRY CONSTRUCTION BEGINS, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE:				
YES	A. PROPORTIONS OF SITE-PREPARED MORTAR	-	X	-	Art. 2.1, 2.6 A
YES	B. MANUFACTURER'S CERTIFIED TEST REPORTS	-	X	-	Art. 3.3 B
NO	C. GRADE AND SIZE OF PRESTRESSING TENDONS AND ANCHORAGES	-	X	-	Art. 2.4 B, 2.4 H
YES	D. LOCATION OF REINFORCEMENT, CONNECTORS, AND PRESTRESSING TENDONS AND ANCHORAGES	-	X	-	Art. 3.4, 3.6 A
NO	E. PRESTRESSING TECHNIQUE	-	X	-	Art. 3.6 B
NO	F. PROPERTIES OF THIN-BED MORTAR FOR AAC MASONRY	X[a]	X[b]	-	Art. 2.1 C
	3. PRIOR TO GROUTING, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE:				
YES	A. GROUT SPACE	-	X	-	Art. 3.2 D, 3.2 F
YES	B. GRADE, TYPE, AND SIZE OF REINFORCEMENT AND ANCHOR BOLTS, AND PRESTRESSING TENDONS AND ANCHORAGES	-	X	Sec. 1.16	Art. 2.4, 3.4
YES	C. PLACEMENT OF REINFORCEMENT, CONNECTORS, AND PRESTRESSING TENDONS AND ANCHORAGES	-	X	Sec. 1.16	Art. 3.2 E, 3.4, 3.6 A
YES	D. PROPORTIONS OF SITE-PREPARED GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS	-	X	-	Art. 2.6 B, 2.4 G.1.b
YES	E. CONSTRUCTION OF MORTAR JOINTS	-	X	-	Art. 3.3 B
	4. VERIFY DURING CONSTRUCTION:				
YES	A. SIZE AND LOCATION OF STRUCTURAL ELEMENTS	-	X	-	Art. 3.3 F
YES	B. TYPE, SIZE, AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES, OR OTHER CONSTRUCTION	-	X	Sec 1.16.4.3, 1.17.1	-
NO	C. WELDING OF REINFORCEMENT	X	-	Sec. 2.1.7.7.2, 3.3.3.4 (c), 8.3.3.4 (b)	-
YES	D. PREPARATION, CONSTRUCTION, AND PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40 DEGREES F OR HOT WEATHER (TEMPERATURE ABOVE 90 DEGREES F)	-	X	-	Art. 1.8 C, 1.8 D
NO	E. APPLICATION OF MEASUREMENT OF PRESTRESSING FORCE	X	-	-	Art. 3.6 B
NO	F. PLACEMENT OF GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS IS IN COMPLIANCE	X	-	-	Art. 3.5, 3.6 C
NO	G. PLACEMENT OF AAC MASONRY UNITS AND CONSTRUCTION OF THIN-BED MORTAR JOINTS	X[a]	X[b]	-	Art. 3.3 B.8
YES	5. OBSERVE PREPARATION OF GROUT SPECIMENS, MORTAR SPECIMENS, AND/OR PRISMS	-	X	-	Art. 1.4 B.2.a.3, 1.4 B.2.b.3, 1.4 B.2.c.3, 1.4 B.3, 1.4 B.4

a. REQUIRED FOR THE FIRST 5000 SQUARE FEET OF AAC MASONRY
b. REQUIRED AFTER THE FIRST 5000 SQUARE FEET OF AAC MASONRY

ABBREVIATIONS

ADDL	=	ADDITIONAL
AESS	=	ARCHITECTURALLY EXPOSED STRUCTURAL STEEL
ALT	=	ALTERNATE
ARCH	=	ARCHITECTURAL
BO ___	=	BOTTOM OF ___
BOT, B	=	BOTTOM
BRG	=	BEARING
BTW	=	BETWEEN
CGS	=	CENTER OF GRAVITY OF STEEL
CIP	=	CAST-IN-PLACE
CJ	=	CONTROL JOINT
CJP	=	COMPLETE JOINT PENETRATION
CL	=	CENTER LINE
CLR	=	CLEAR
CMU	=	CONCRETE MASONRY UNIT
COL	=	COLUMN
CONC	=	CONCRETE
CONN	=	CONNECTION
CONT	=	CONTINUOUS
DBA	=	DEFORMED BAR ANCHOR
DET	=	DETAIL
DIA	=	DIAMETER
DIAG	=	DIAGONAL
DWL	=	DOWEL
EA	=	EACH
EC	=	EPOXY COATED
EE	=	EACH END
EF	=	EACH FACE
EJ	=	EXPANSION JOINT
EL	=	ELEVATION
ELEC	=	ELECTRICAL
EOR	=	ENGINEER OF RECORD
EOS	=	EDGE OF SLAB
EQ	=	EQUAL
EW	=	EACH WAY
E/W	=	EAST/WEST
EXIST	=	EXISTING
FD	=	FLOOR DRAIN
FDN	=	FOUNDATION
FS	=	FAR SIDE
FT	=	FOOT
FTG	=	FOOTING
FV	=	FIELD VERIFY
GA	=	GAUGE
GALV	=	GALVANIZED
GC	=	GENERAL CONTRACTOR
GR	=	GRADE
HDPE	=	HIGH DENSITY POLYETHYLENE
HK	=	HOOK
HORIZ	=	HORIZONTAL
HSA	=	HEADED STUD ANCHOR
HSS	=	HOLLOW STRUCTURAL SECTION
IF	=	INSIDE FACE
IP	=	INFLECTION POINT
K	=	KIP
LLH	=	LONG LEG HORIZONTAL
LLV	=	LONG LEG VERTICAL
LSH	=	LONG SIDE HORIZONTAL
LSL	=	LONG SLOT
LSV	=	LONG SIDE VERTICAL
LT WALL	=	LIGHT WALL
LW	=	LIGHTWEIGHT
MAX	=	MAXIMUM
MECH	=	MECHANICAL
MFR	=	MANUFACTURER
MIN	=	MINIMUM
NOM	=	NOMINAL
NS	=	NEAR SIDE
NSNS	=	NON-SHRINK, NON-STAIN
N/S	=	NORTH/SOUTH
NTS	=	NOT TO SCALE
OC	=	ON CENTER
OF	=	OUTSIDE FACE
OH	=	OPPOSITE HAND
OVS	=	OVERSIZED
PCC	=	PRECAST CONCRETE
PJP	=	PARTIAL JOINT PENETRATION
PL	=	PLATE
PT	=	POST-TENSIONED
QTY	=	QUANTITY
R	=	REMAINDER
RD	=	ROOF DRAIN
REINF	=	REINFORCING
REQ'D	=	REQUIRED
RFI	=	REQUEST FOR INFORMATION
SIM	=	SIMILAR
SOG	=	SLAB-ON-GRADE
SPEC	=	SPECIFICATION
SS	=	STAINLESS STEEL
SSL	=	SHORT SLOT
STD	=	STANDARD
STIR	=	STIRRUPS
STL	=	STEEL
STR	=	STRUCTURE
T	=	TOP
T&B	=	TOP AND BOTTOM
THK	=	THICK
TO ___	=	TOP OF ___
TOB	=	TOP OF BEAM
TOC	=	TOP OF CONCRETE
TOF	=	TOP OF FOUNDATION/ FOOTING
TOS	=	TOP OF STEEL
TOW	=	TOP OF WALL
TEMP	=	TEMPORARY
TYP	=	TYPICAL
UNO	=	UNLESS NOTED OTHERWISE
VERT	=	VERTICAL
W/	=	WITH
W/O	=	WITHOUT
WF	=	WIDE FLANGE
WWR	=	WELDED WIRE REINFORCEMENT

No.	Date	Issue / Revision

CODY LAMBERT, PE
FL, 100455

WGI, INC.
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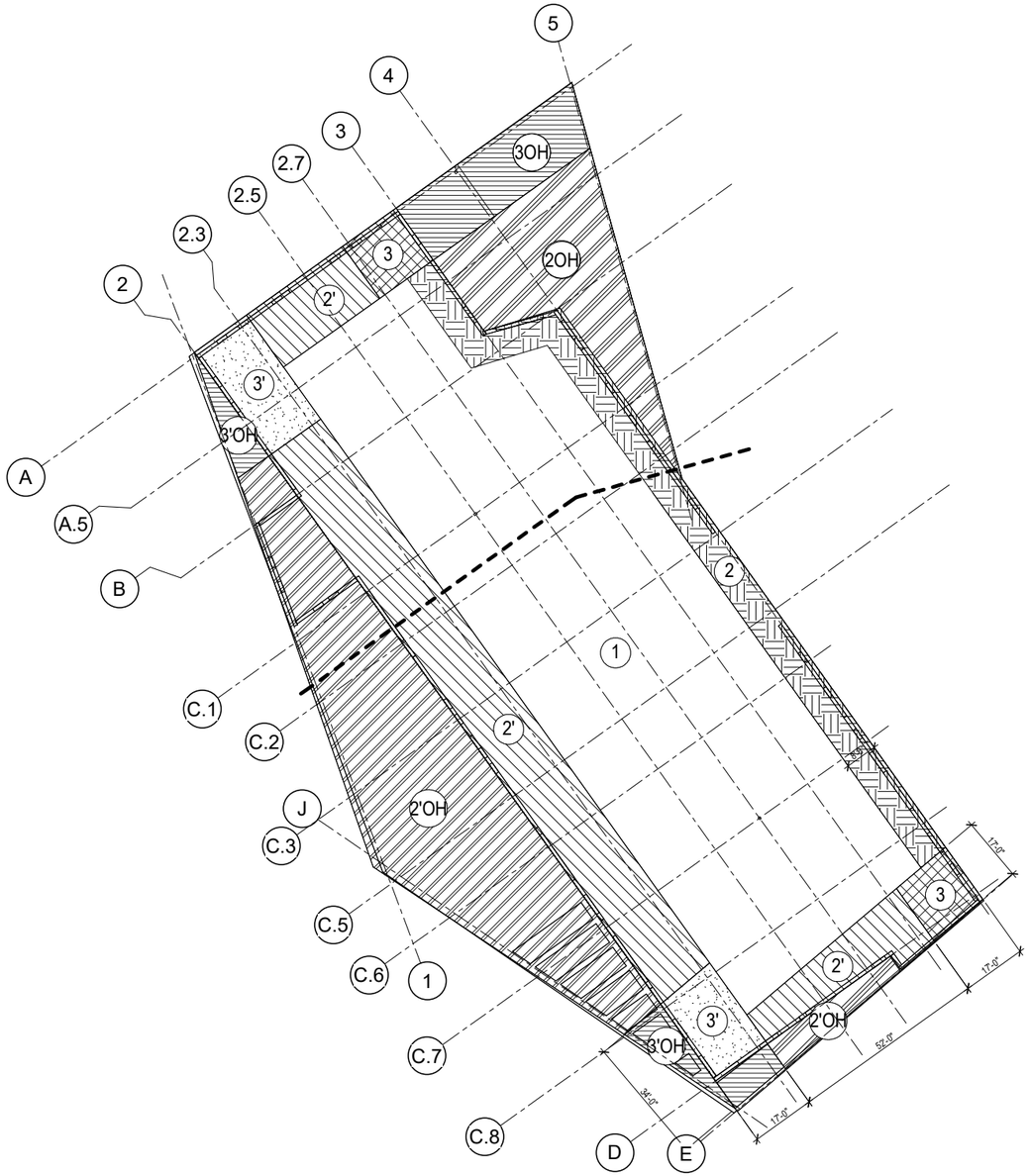
FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

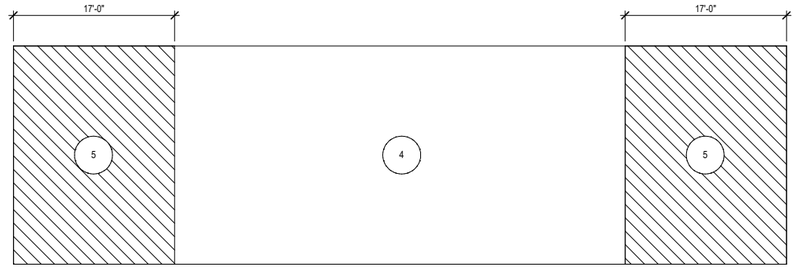
GENERAL NOTES

DWG NO. S-006
SHEET NO.



1 C&C ROOF ZONE DIAGRAM

NOT TO SCALE



3 C&C WALL ZONE DIAGRAM

NOT TO SCALE

COMPONENTS AND CLADDING ROOF PRESSURES			
COMPONENT EFFECTIVE AREA	ZONE	WIND PRESSURE (ULTIMATE) POSITIVE (PSF)	NEGATIVE (PSF)
<10 SF	1	32.4	-86.5
20 SF	1	30.4	-86.5
50 SF	1	27.7	-86.5
100 SF	1	25.7	-86.5
<10 SF	2	32.4	-100.0
20 SF	2	30.4	-97.9
50 SF	2	27.7	-95.2
100 SF	2	25.7	-93.2
<10 SF	2'	32.4	-120.2
20 SF	2'	30.4	-118.2
50 SF	2'	27.7	-115.5
100 SF	2'	25.7	-113.5
<10 SF	3	32.4	-133.7
20 SF	3	30.4	-121.5
50 SF	3	27.7	-105.4
100 SF	3	25.7	-93.2
<10 SF	3'	32.4	-187.8
20 SF	3'	30.4	-167.4
50 SF	3'	27.7	-140.6
100 SF	3'	25.7	-120.2
<10 SF	2OH	32.4	-154.7
20 SF	2OH	30.4	-149.4
50 SF	2OH	27.7	-142.4
100 SF	2OH	25.7	-137.2
<10 SF	2'OH	32.4	-174.9
20 SF	2'OH	30.4	-169.7
50 SF	2'OH	27.7	-162.7
100 SF	2'OH	25.7	-157.4
<10 SF	3OH	32.4	-206.7
20 SF	3OH	30.4	-188.0
50 SF	3OH	27.7	-163.3
100 SF	3OH	25.7	-144.7
<10 SF	3'OH	32.4	-260.7
20 SF	3'OH	30.4	-233.9
50 SF	3'OH	27.7	-198.5
100 SF	3'OH	25.7	-171.7

COMPONENTS AND CLADDING WALL PRESSURES			
COMPONENT EFFECTIVE AREA	ZONE	WIND PRESSURE (ULTIMATE) POSITIVE (PSF)	NEGATIVE (PSF)
<10 SF	4	72.9	-79.0
20 SF	4	69.7	-75.8
50 SF	4	65.4	-71.5
100 SF	4	62.2	-68.3
<10 SF	5	72.9	-97.3
20 SF	5	69.7	-90.8
50 SF	5	65.4	-82.3
100 SF	5	62.2	-75.8

2 C&C ZONE DESIGN VALUES

NOT TO SCALE

No.	Date	Issue / Revision

CODY LAMBERT, PE
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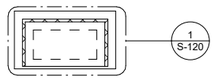
FLORIDA-ALABAMA TPO

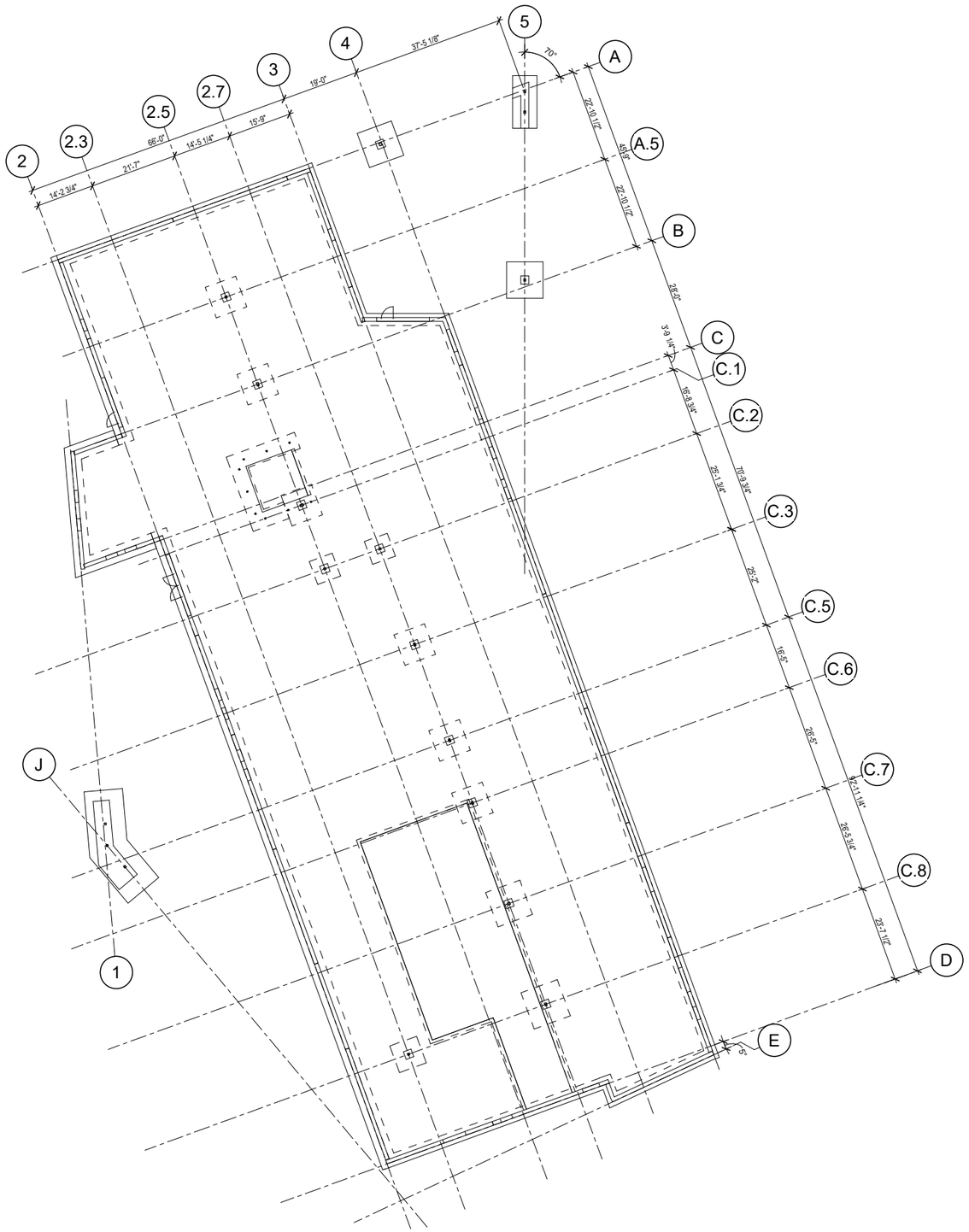
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

WIND PRESSURES AND DIAGRAMS

DWG NO. S-007

SHEET NO.





1 FOUNDATION PLAN - OVERALL

SCALE: 1/16" = 1'-0"

No.	Date	Issue / Revision

CODY LAMBERT, PE
FL, 100455

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607

FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

FOUNDATION PLAN - OVERALL

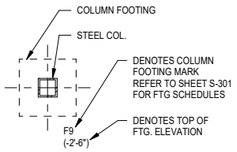
DWG NO. S-100

SHEET NO.

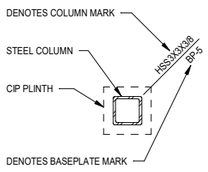
FOUNDATION NOTES:

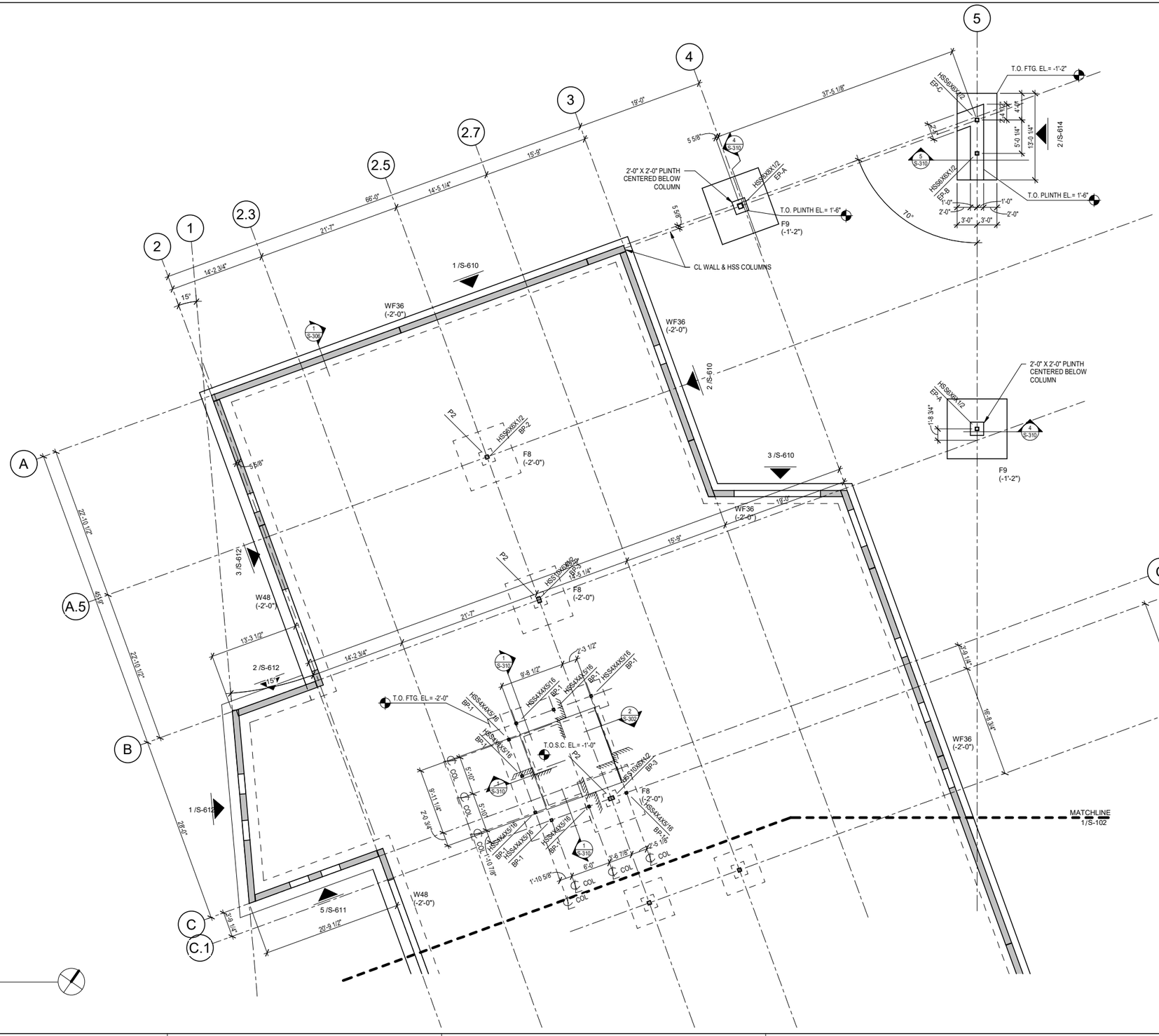
1. SLAB SHALL BE 5" THK. REINF. W/ #4 @ 16" O.C. E.W. SUBGRADE SHALL BE PREPARED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT RECOMMENDATIONS.
2. FINISH FLOOR ELEVATION = 0'-0" (NAVD 88 116'-0") , UNLESS NOTED OTHERWISE.REF. TO CIVIL FOR ADDITIONAL INFORMATION.
3. REFER TO THE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF FLOOR RECESSES, DROPS AND SLOPES NOT DIMENSIONED ON PLAN. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR LOCATION AND DIMENSIONS OF FLOOR PENETRATIONS NOT DIMENSIONED ON PLAN. CONTRACTOR TO COORDINATE.
4. CENTERLINES OF FOUNDATIONS NOT SPECIFICALLY LOCATED ON PLAN BY NOTE OR DIMENSION SHALL BE LOCATED AS FOLLOWS:
   A. SUPPORTING FREESTANDING COLUMNS: CENTERLINES OF COLUMN.
   B. SUPPORTING GRADEBEAMS AND WALLS: CENTERLINE OF GRADEBEAM OR WALL IN ONE DIRECTION, GRID OR AS NOTED IN OTHER DIRECTION. AT CORNER CONDITIONS: CENTERLINES OF GRADEBEAMS OR WALLS.
   C. COLUMNS EMBEDED IN GRADEBEAMS OR WALLS (PILASTERS): CENTERLINES OF THE COLUMN.
5. TYPICAL CONCRETE SLAB THICKNESS IS 5" (OVERALL), UNLESS NOTED OTHERWISE.
6. REF. SHEETS S-301 - S-304 FOR ADD'L SLAB-ON-GRADE INFORMATION

ISOLATED FOOTING NOTES:



STEEL COLUMN NOTES:





1 FOUNDATION PLAN - NORTH
SCALE: 1/8" = 1'-0"

No.	Date	Issue / Revision

CODY LAMBERT, PE
FL, 100455

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607

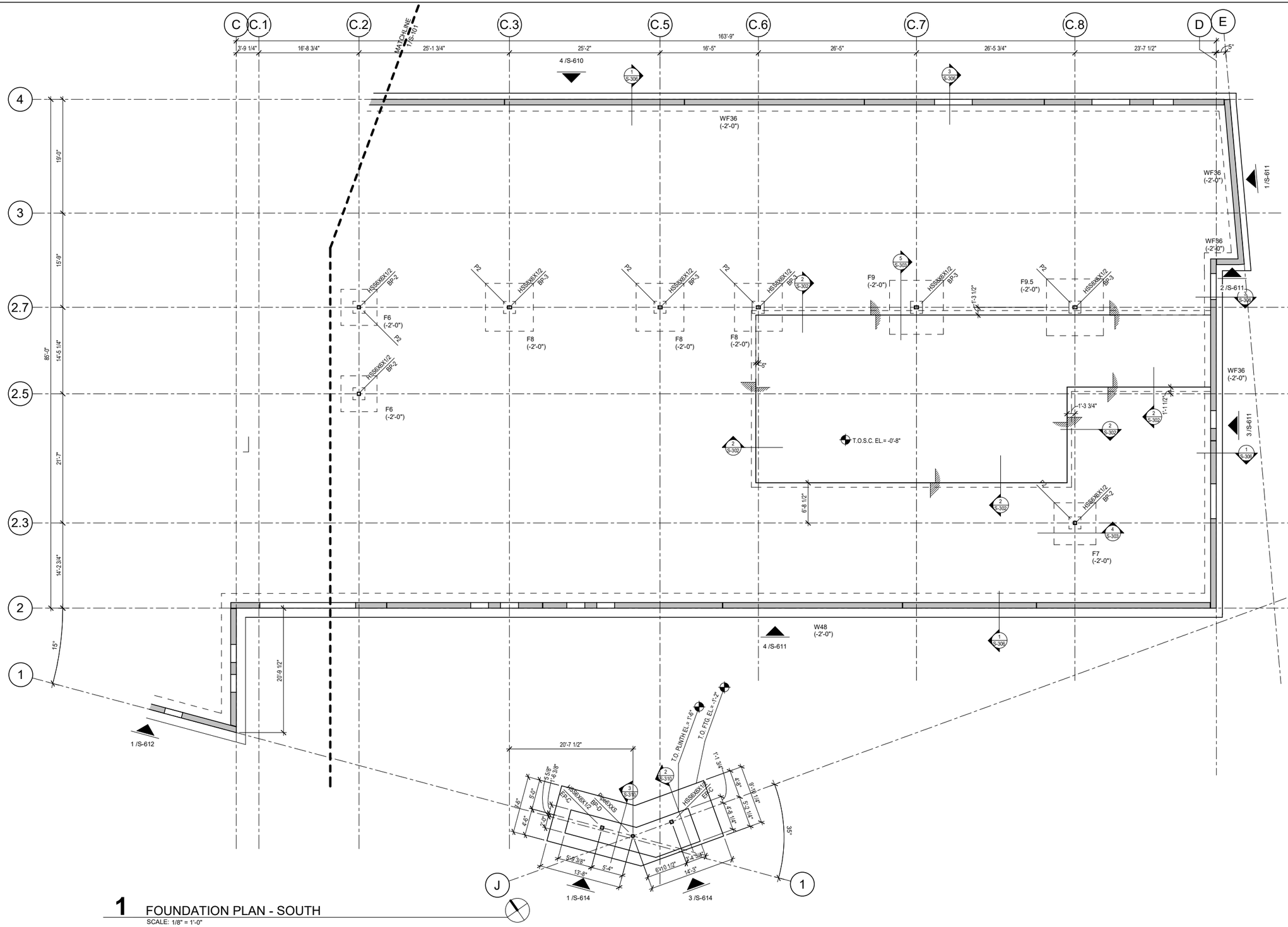
FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

FOUNDATION PLAN - NORTH

DWG NO. S-101

SHEET NO.



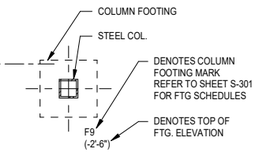
1 FOUNDATION PLAN - SOUTH

SCALE: 1/8" = 1'-0"

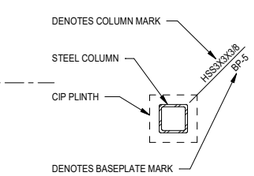
FOUNDATION NOTES:

1. SLAB SHALL BE 5" THK. REINF. W/ #4 @ 16" O.C. E.W. SUBGRADE SHALL BE PREPARED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT RECOMMENDATIONS.
2. FINISH FLOOR ELEVATION = 0'-0" (NAVD 88 116'-0") , UNLESS NOTED OTHERWISE.REF. TO CIVIL FOR ADDITIONAL INFORMATION.
3. REFER TO THE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF FLOOR RECESSES, DROPS AND SLOPES NOT DIMENSIONED ON PLAN. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR LOCATION AND DIMENSIONS OF FLOOR PENETRATIONS NOT DIMENSIONED ON PLAN. CONTRACTOR TO COORDINATE.
4. CENTERLINES OF FOUNDATIONS NOT SPECIFICALLY LOCATED ON PLAN BY NOTE OR DIMENSION SHALL BE LOCATED AS FOLLOWS:
   A. SUPPORTING FREESTANDING COLUMNS: CENTERLINES OF COLUMN.
   B. SUPPORTING GRADEBEAMS AND WALLS: CENTERLINE OF GRADEBEAM OR WALL IN ONE DIRECTION, GRID OR AS NOTED IN OTHER DIRECTION. AT CORNER CONDITIONS: CENTERLINES OF GRADEBEAMS OR WALLS.
   C. COLUMNS EMBEDED IN GRADEBEAMS OR WALLS (PILASTERS): CENTERLINES OF THE COLUMN.
5. TYPICAL CONCRETE SLAB THICKNESS IS 5" (OVERALL), UNLESS NOTED OTHERWISE.
6. REF. SHEETS S-301 - S-304 FOR ADD'L SLAB-ON-GRADE INFORMATION

ISOLATED FOOTING NOTES:



STEEL COLUMN NOTES:



No.	Date	Issue / Revision

CODY LAMBERT, PE
FL, 100455

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607

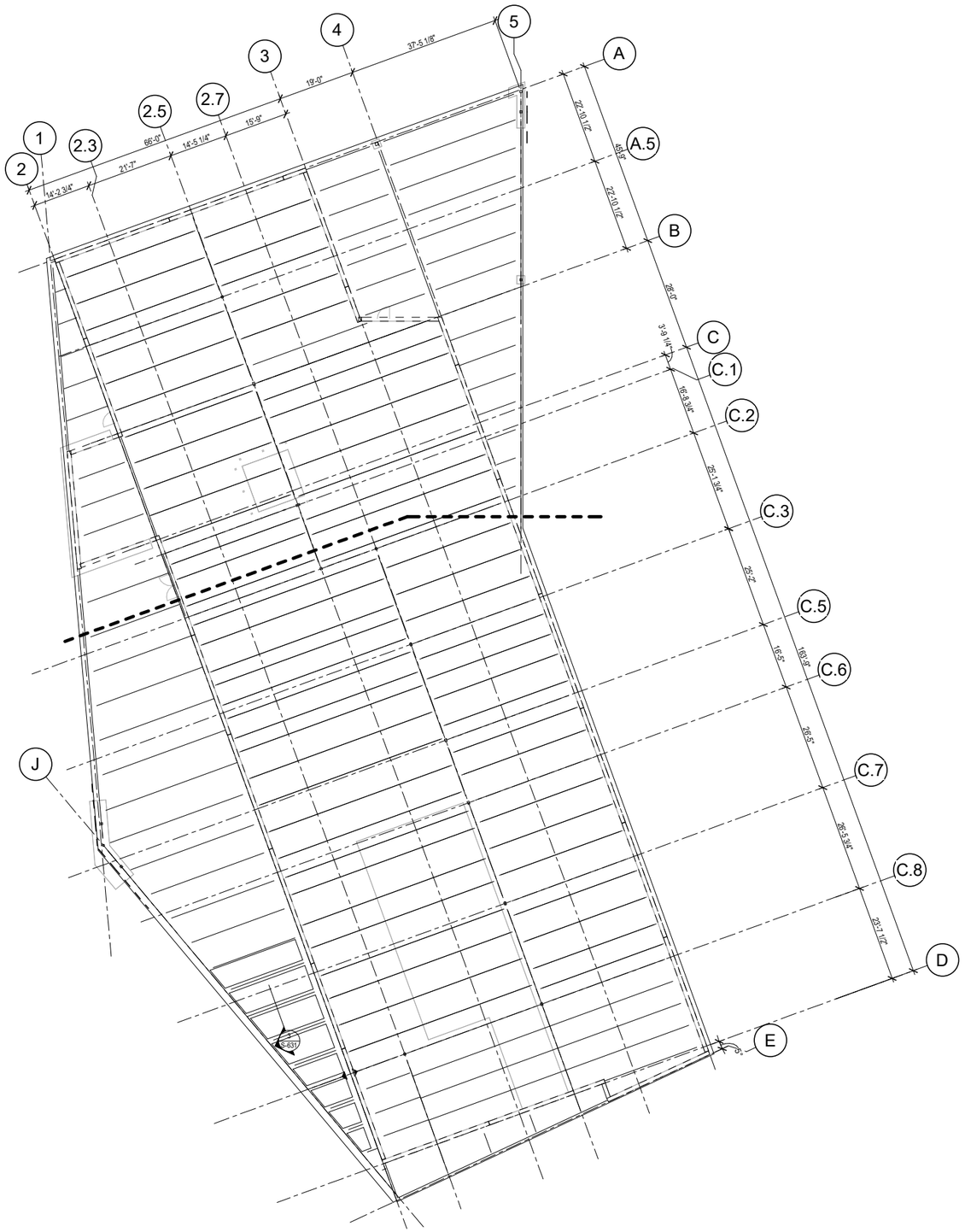
FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

FOUNDATION PLAN - SOUTH

DWG NO. S-102

SHEET NO.



1 ROOF FRAMING PLAN - OVERALL
SCALE: 1/16" = 1'-0"

No.	Date	Issue / Revision

CODY LAMBERT, PE
FL, 100455

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607

FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

ROOF FRAMING PLAN - OVERALL

DWG NO. S-110

SHEET NO.

STEEL FRAMING NOTES:

1. REF. S-001 - S-007 FOR STRUCTURAL NOTES, DESIGN DATA, SCHEDULES & LEGENDS.
2. REF. THE S-550 SERIES FOR TYPICAL FRAMING DETAILS.
3. ALL CONTRACTORS ARE REQUIRED TO COORDINATE THEIR WORK WITH ALL DISCIPLINES TO AVOID CONFLICTS. THE MECHANICAL, ELECTRICAL, AND PLUMBING ASPECTS ARE NOT IN THE SCOPE OF THESE DRAWINGS. THEREFORE, ALL REQUIRED MATERIALS AND WORK MAY NOT BE INDICATED.
4. ALL ELEVATIONS ARE REFERENCED FROM THE FIRST FLOOR FINISHED FLOOR ELEVATION +0' - 0" (NAVD 88 116'-0"). REF CIVIL DWGS.
5. ALL WALLS SHALL BE LAID OUT FROM THE ARCHITECTURAL DRAWINGS.
6. REF. ARCH. DRAWINGS. FOR ALL DIMENSIONS NOT SHOWN. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION AND IMMEDIATELY NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES.
7. COORDINATE EXACT SIZE & LOCATION OF ANY MECHANICAL OPENINGS IN FLOOR SLAB, ROOF DECK, OR WALLS WITH THE M.E.P. CONTRACTOR. LOCATION & SIZE OF ALL DUCT OPENINGS, GRILLS, ETC. SHALL BE VERIFIED PRIOR TO CONSTRUCTION.
8. ALL ELEVATIONS SHOWN ON PLAN INDICATE TOP OF = BOTTOM OF DECK UNLESS NOTED OTHERWISE.
9. PROVIDE FRAMES AT ALL ROOF DRAINS, ROOF HATCHES & OTHER ROOF OPENINGS PER TYPICAL DETAILS ON S-551 & S-552 COORDINATE EXACT NUMBER, LOCATIONS & DIMENSIONS WITH THE APPROPRIATE CONTRACTORS & THE ARCH. & M.E.P. DRAWINGS.
10. ALL HORIZONTAL AND DIAGONAL BRIDGING FOR STEEL JOISTS SHALL BE DESIGNED, LOCATED & PROVIDED BY THE JOIST SUPPLIER PER SJI SPECIFICATIONS.
11. WIDE-FLANGE BEAM & GIRDER NOTATION:BEAM REACTIONS SHOWN IN KIPS (LRFD / FACTORED LOADS) TO BE USED FOR DESIGN OF SHEAR CONNECTION BY STEEL FABRICATOR. SIMPLE SPAN CONNECTIONS FOR BEAMS & GIRDERS LESS THAN 10 FEET IN LENGTH AND WITH NO REACTION SHOWN SHALL BE DESIGNED FOR 10 KIPS MINIMUM. SEE STEEL CONNECTION NOTES ON SHEET S-551 FOR ADDITIONAL INFORMATION.
12. ALL FRAMING DIRECTLY SUPPORTING COMPOSITE METAL ROOF DECK SHALL HAVE HEADED STUD ANCHORS WELDED ALONG SPAN SPACED AT 18" OC MAX UNO.

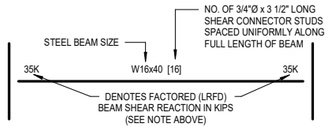
F.F. DENOTES FIN. FLOOR
T.O.S. EL. DENOTES TOP OF STEEL, SLAB, PIER, ETC.
BOT. EL. DENOTES BOTTOM OF LINTEL, ETC.
DE DENOTES DECK EDGE DIMENSION

(S) DENOTES 20 GA. 2VLI DECK W/ 2" NW CONCRETE (4" TOTAL THICKNESS) DECK REINF. w/ 6X6 - W1.4XW1.4 WELDED WIRE MESH

DENOTES BEAM-TO-COLUMN MOMENT CONNECTION. REF. SPECIFIC SECTIONS & DETAILS

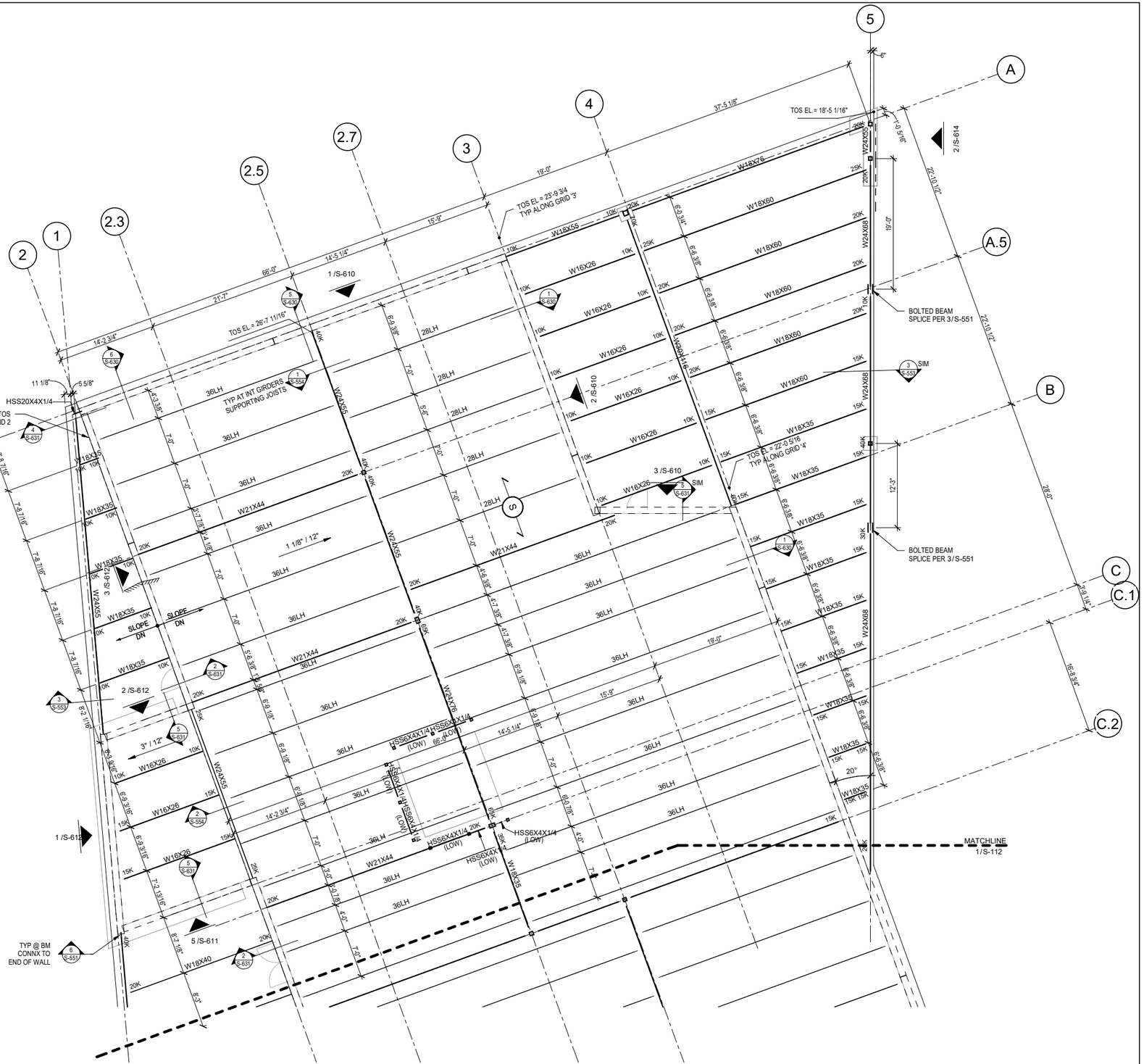
DENOTES BRACED FRAME OR KICKER LOCATION

DENOTES APPROX. LOCATION OF OPENING IN DECK/SLAB. REF. DETAILS ON S-551 & S-552 FOR TYPICAL OPENING FRAMES.



TYPICAL BEAM DIAGRAM

NOTE:
1. FOR MOMENT CONNECTIONS BETWEEN DIFFERENT-SIZED BEAMS, DESIGN CONNECTIONS FOR MAXIMUM MOMENT OF SMALLER BEAM
2. STUCTURAL STEEL FRAMING IS NOT DESIGNED TO EXHIBIT COMPOSITE BEHAVIOR. HEADED STUD ANCHORS ARE SPECIFIED TO TRANSFER UPLIFT FORCES TO PRIMARY FRAME.
3. REFER TO S-552 FOR ADDITIONAL INFORMATION RELATED TO HEADED STUD (SHEAR STUD) CONNECTORS



1 ROOF FRAMING PLAN - NORTH

SCALE: 1/8" = 1'-0"

No.	Date	Issue / Revision

CODY LAMBERT, PE
FL, 100455

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607

FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

ROOF FRAMING PLAN - NORTH

DWG NO. S-111

SHEET NO.

STEEL FRAMING NOTES:

1. REF. S0-01 & S0-02 FOR STRUCTURAL NOTES, DESIGN DATA, SCHEDULES & LEGENDS.
2. REF. THE SO SERIES FOR TYPICAL FRAMING DETAILS.
3. ALL CONTRACTORS ARE REQUIRED TO COORDINATE THEIR WORK WITH ALL DISCIPLINES TO AVOID CONFLICTS. THE MECHANICAL, ELECTRICAL, AND PLUMBING ASPECTS ARE NOT IN THE SCOPE OF THESE DRAWINGS. THEREFORE, ALL REQUIRED MATERIALS AND WORK MAY NOT BE INDICATED.
4. ALL ELEVATIONS ARE REFERENCED FROM THE FIRST FLOOR FINISHED FLOOR ELEVATION +0' - 0" (NAVD 88 116'-0"). REF CIVIL DWGS.
5. ALL WALLS SHALL BE LAID OUT FROM THE ARCHITECTURAL DRAWINGS.
6. REF. ARCH. DRAWINGS. FOR ALL DIMENSIONS NOT SHOWN. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION AND IMMEDIATELY NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES.
7. COORDINATE EXACT SIZE & LOCATION OF ANY MECHANICAL OPENINGS IN FLOOR SLAB, ROOF DECK, OR WALLS WITH THE M.E.P. CONTRACTOR. LOCATION & SIZE OF ALL DUCT OPENINGS, GRILLS, ETC. SHALL BE VERIFIED PRIOR TO CONSTRUCTION.
8. ALL ELEVATIONS SHOWN ON PLAN INDICATE TOP OF STEEL BEAM UNLESS NOTED OTHERWISE.
9. PROVIDE FRAMES AT ALL ROOF DRAINS, ROOF HATCHES & OTHER ROOF OPENINGS PER TYPICAL DETAILS ON S-551 & S-552 COORDINATE EXACT NUMBER, LOCATIONS & DIMENSIONS WITH THE APPROPRIATE CONTRACTORS & THE ARCH. & M.E.P. DRAWINGS.
10. NOTE: ALL HORIZONTAL AND DIAGONAL BRIDGING FOR STEEL JOISTS SHALL BE DESIGNED, LOCATED & PROVIDED BY THE JOIST SUPPLIER PER SJI SPECIFICATIONS.
11. WIDE-FLANGE BEAM & GIRDER NOTATION:BEAM REACTIONS SHOWN IN KIPS (LRFD / FACTORED LOADS) TO BE USED FOR DESIGN OF SHEAR CONNECTION BY STEEL FABRICATOR. SIMPLE SPAN CONNECTIONS FOR BEAMS & GIRDERS LESS THAN 10 FEET IN LENGTH AND WITH NO REACTION SHOWN SHALL BE DESIGNED FOR 10 KIPS MINIMUM. SEE STEEL CONNECTION NOTES ON SHEET S-551 FOR ADDITIONAL INFORMATION.
12. ALL FRAMING DIRECTLY SUPPORTING COMPOSITE METAL ROOF DECK SHALL HAVE HEADED STUD ANCHORS WELDED ALONG SPAN SPACED AT 18" OC MAX UNO.

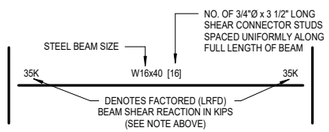
F.F. DENOTES FIN. FLOOR
T.O.S. EL. DENOTES TOP OF STEEL, SLAB, PIER, ETC.
BOT. EL. DENOTES BOTTOM OF LINTEL, ETC.
DE DENOTES DECK EDGE DIMENSION

(S) DENOTES 20 GA. 2VLI DECK W/ 2" NW CONCRETE (4" TOTAL THICKNESS) DECK REINF. w/ 6X6 - W1.4XW1.4 WELDED WIRE MESH

DENOTES BEAM-TO-COLUMN MOMENT CONNECTION. REF. SPECIFIC SECTIONS & DETAILS

DENOTES BRACED FRAME OR KICKER LOCATION

DENOTES APPROX. LOCATION OF OPENING IN DECK/SLAB. REF. DETAILS ON S-551 & S-552 FOR TYPICAL OPENING FRAMES.



TYPICAL BEAM DIAGRAM

NOTE:
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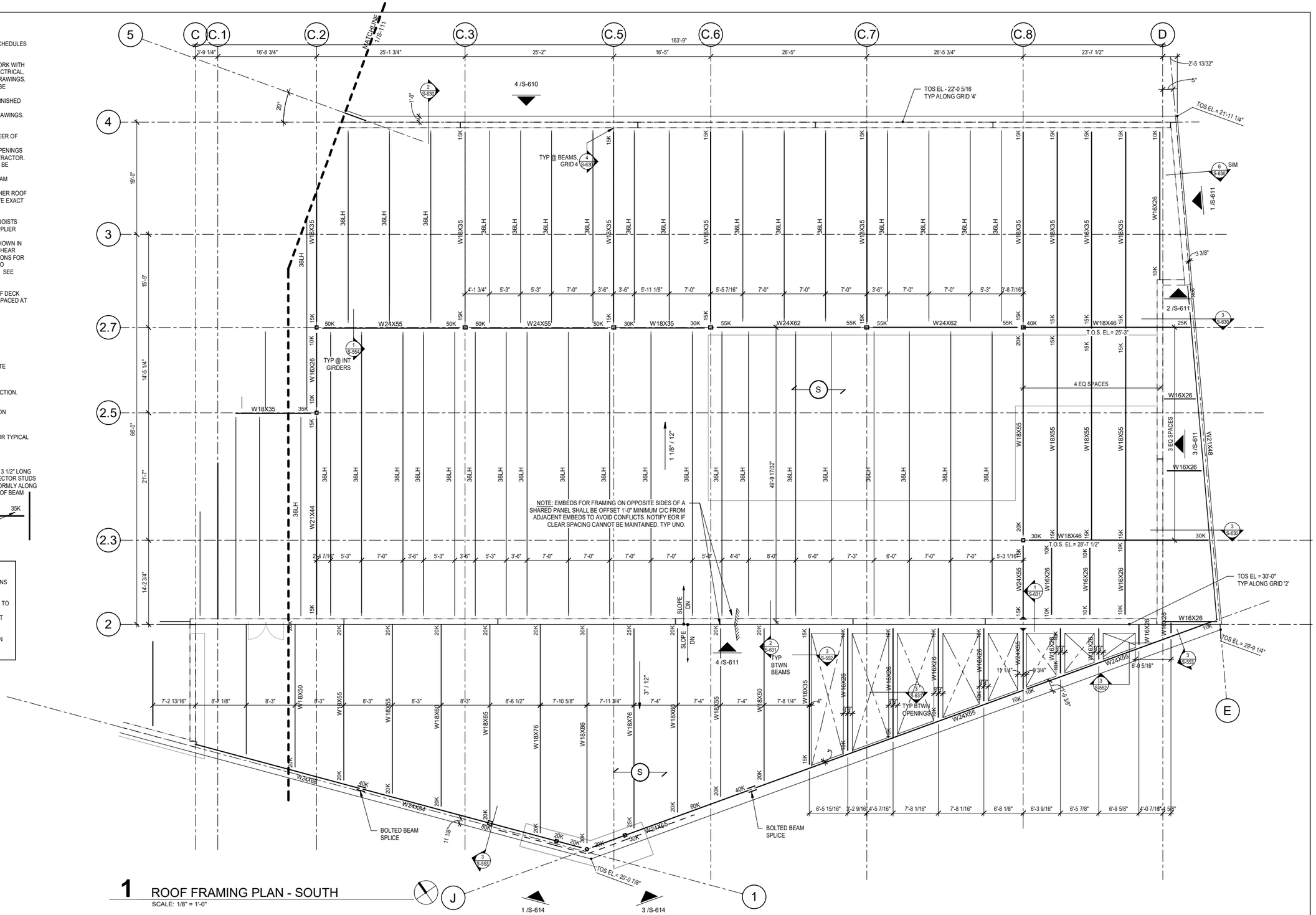
3. REFER TO S-552 FOR ADDITIONAL INFORMATION RELATED TO HEADED STUD (SHEAR STUD) CONNECTORS



1 ROOF FRAMING PLAN - SOUTH
SCALE: 1/8" = 1'-0"

No.	Date	Issue / Revision

CODY LAMBERT, PE
FL, 100455

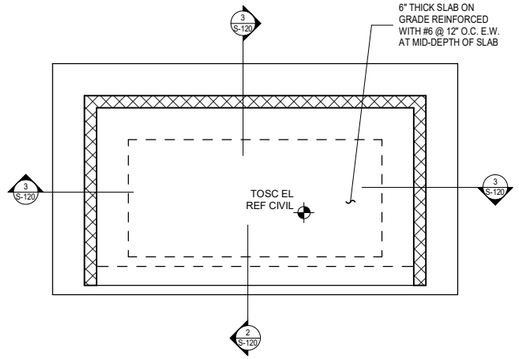
WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607

FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

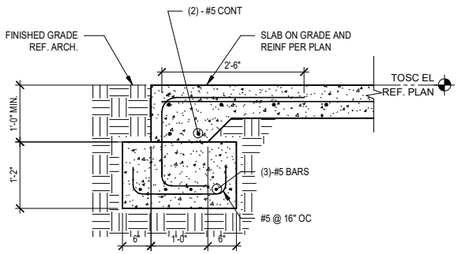
ROOF FRAMING PLAN - SOUTH

DWG NO. S-112
SHEET NO.



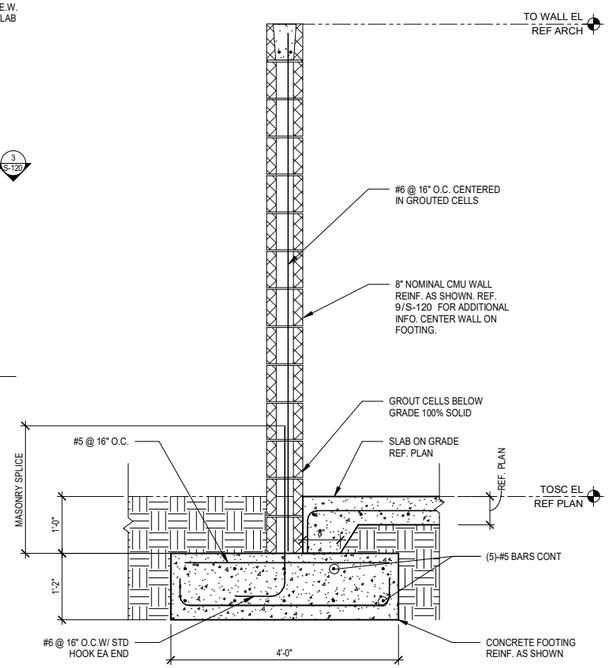
1 TRASH ENCLOSURE PLAN

SCALE: 1/4" = 1'-0"



2 SECTION

SCALE: 3/4" = 1'-0"



3 CMU TRASH ENCLOSURE FOOTING

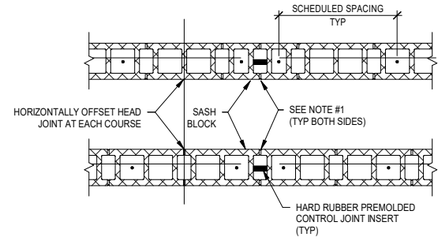
SCALE: 3/4" = 1'-0"

REINFORCEMENT SPLICE LENGTH SCHEDULE	
f'm=1500 psi MASONRY	
BAR SIZE	MASONRY
#3	1'-0"
#4	1'-3"
#5	1'-11"
#6	3'-7"
#7	5'-0"
#8	6'-0"
#9	6'-9"

NOTES:
1. LAP LENGTHS LISTED ABOVE APPLY UNDER THE FOLLOWING CONDITIONS:
   A. REINFORCING BARS ARE GRADE 60 (Fy=60,000 PSI)
   B. MASONRY STRENGTH IS AT LEAST 1,500 PSI
   C. WALL BARS ARE SPACED AT LEAST 5 BAR DIA. OC
   D. CLEAR COVER ASSUMED TO BE 2 1/2" FOR BAR SIZES OF #6 AND LESS.
   E. CLEAR COVER ASSUMED TO BE 3" FOR #7 BARS AND 4" FOR #8 AND #9 BARS.
2. WHERE CLEAR COVER OR CLEAR SPACING FOR MASONRY REINF IS LESS, INCREASE SPLICE LENGTHS SHOWN BY MULTIPLYING LENGTHS BY MAX. RATIO OF ASSUMED CLEAR COVER TO ACTUAL CLEAR COVER.
3. WHERE A LARGER BAR LAPS A SMALLER BAR, THE LARGER SCHEDULED LAP LENGTH APPLIES UNO
4. SEE CONCRETE TYPICAL DETAILS FOR DOWELS AND HOOK LENGTHS.
5. SPLICE LENGHTS COMPLY WITH TMS 402/602-16.

4 MASONRY LAP SPLICE SCHEDULE

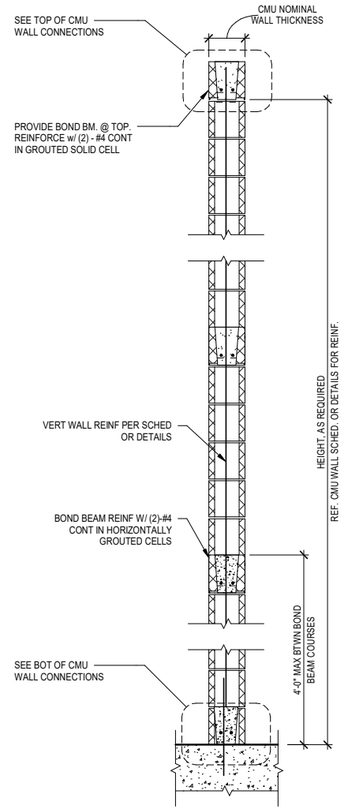
NOT TO SCALE



NOTES:
1. USE SEALANT BOTH SIDES FULL HEIGHT OF WALL.
2. MAXIMUM CONTROL JOINT SPACING IS 24'-0" OC
3. WHERE POSSIBLE, POSITION CMU WALL CONTROL JOINT TO COINCIDE WITH SLAB-ON-GRADE CONTROL/CONSTRUCTION JOINTS.
4. SUBMIT A CMU CONTROL JOINT PLAN TO THE ARCHITECT FOR REVIEW AND APPROVAL.
5. IN LIEU OF HARD RUBBER PREMOLDED CONTROL JOINT INSERT AND SPECIAL SASH BLOCKS, A CONTROL JOINT SHEAR BAR (12" LONG x 1" WIDE x 1/4" THICK MAY BE GROUTED INTO THE WALL AT THE CONTROL JOINT AT 16" OC

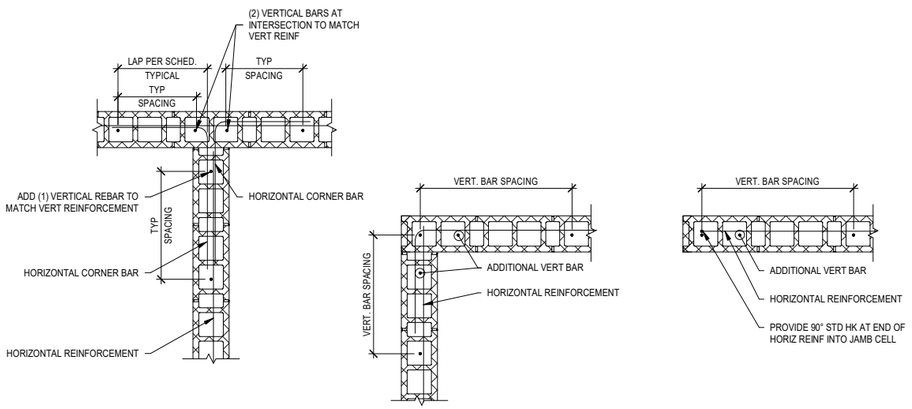
6 TYPICAL DETAIL WALL CONTROL JOINT

NOT TO SCALE



9 TYPICAL DETAIL WALL SECTION

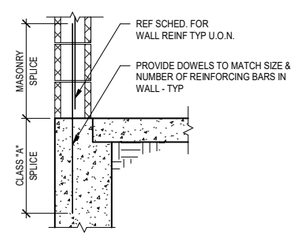
NOT TO SCALE



"T" - INTERSECTIONS CORNER END OR JAMB

8 TYPICAL DETAIL CMU WALL CORNER REINFORCING

NOT TO SCALE



CAST-IN-PLACE (STRAIGHT BAR)

NOTES:
1. MASONRY DOWEL TO MATCH SIZE & SPACING OF VERTICAL WALL REINF TYP
2. REF TO REINFORCEMENT SPLICE LENGTH SCHEDULE ON 4/S-120FOR ADD'L INFO

5 TYPICAL DETAIL WALL ANCHORAGE

NOT TO SCALE

No.	Date	Issue / Revision

CODY LAMBERT, PE
FL, 100455

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607

FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

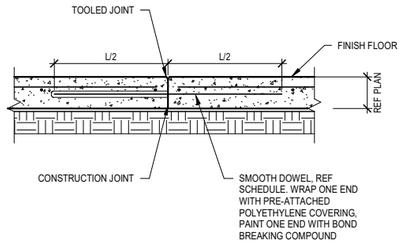
ENLARGED PLAN - TRASH ENCLOSURE

DWG NO. S-120

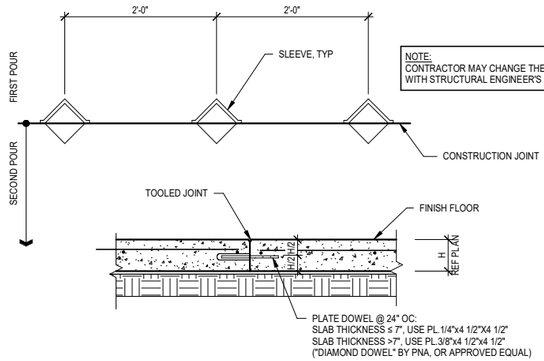
SHEET NO.

SLAB ON GRADE SMOOTH DOWEL SCHEDULE			
THK (IN)	DOWEL Ø (IN)	L (IN)	SPACING
5-6	3/4	16	12" OC
7-8	1	18	12" OC
9-11	1 1/4	18	12" OC

NOTE:
1. CONTRACTOR MAY CHANGE THE LOCATION OF JOINT WITH STRUCTURAL ENGINEER'S PRIOR APPROVAL.
2. PROVIDE CHAIRS AS REQ'D TO PROVIDE HORIZONTAL ALIGNMENT ACROSS JOINT
3. TERMINATE MESH/ REINFORCEMENT AT CONSTRUCTION JOINT.



1 CONSTRUCTION JOINT
NOT TO SCALE

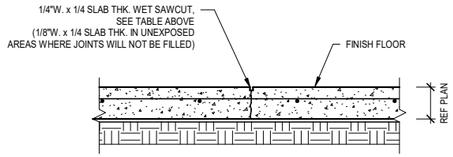


NOTE:
CONTRACTOR MAY CHANGE THE LOCATION OF JOINT WITH STRUCTURAL ENGINEER'S PRIOR APPROVAL.

2 CONSTRUCTION JOINT (DIAMOND)
NOT TO SCALE

NOTE:
CONTROL JOINTS SHALL BE SAWN NOT LATER THAN THE FOLLOWING TABLE, OR 16 HOURS AFTER FINAL FINISHING (WHICHEVER IS LESS), WHERE TEMP. EQUALS THE AMBIENT TEMPERATURE IN DEGREES FAHRENHEIT AT THE TIME OF FINAL FINISHING. SAWCUTTING SHALL BE SUSPENDED ONLY IF THE LARGE AGGREGATE IS DISLODGED OR LOOSENED. ALTERNATE: USE PRE-FORMED JOINT FORMER.

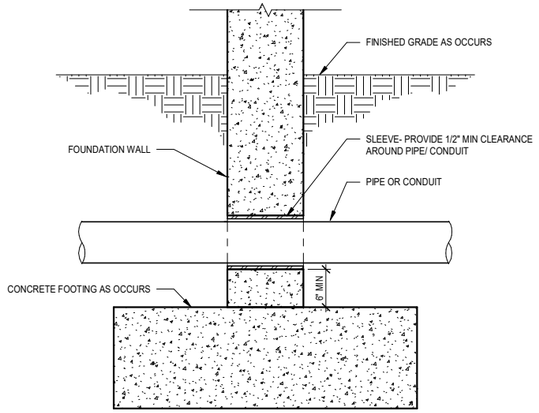
TEMP - °F	TIME - HOURS
< 40°	16
50°	14
60°	8 1/2
70°	5 1/2
80°	4
90°	3



3 CONTROL/ CONTRACTION JOINT
NOT TO SCALE

SPREAD FOOTING SCHEDULE				
FOOTING MARK	FOOTING DIMENSIONS			BARS E.W. (T&B) U.N.O.
	L	W	T	
F6	6'-0"	6'-0"	1'-6"	6-#5
F7	7'-0"	7'-0"	1'-8"	8-#5
F8	8'-0"	8'-0"	1'-10"	8-#6
F9	9'-0"	9'-0"	2'-1"	10-#6
F9.5	9'-6"	9'-6"	2'-2"	8-#7

6 SPREAD FOOTING SCHEDULE
NOT TO SCALE

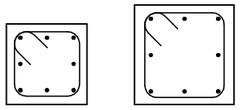


4 PIPE/ CONDUIT THROUGH FOUNDATION WALL
NOT TO SCALE

TOP & BOTTOM REINF				
FOOTING MARK	FOOTING DIMENSIONS		TOP & BOTTOM REINF	
	WIDTH	THICKNESS	LONG	TRANS
WF36	3'-0"	1'-0"	(3)-#5 BARS	#5 @ 10" OC
WF48	4'-0"	1'-0"	(4)-#5 BARS	#5 @ 10" OC

5 WALL FOOTING SCHEDULE
NOT TO SCALE

PLINTH SCHEDULE				
PLINTH MARK	SIZE		REINFORCEMENT	
	L	W	VERT BARS	TIES
P2	2'-0"	2'-0"	(8) - #6	#4 @ 9" OC



PLAN

7 PLINTH SCHEDULE AND PLAN
NOT TO SCALE

No.	Date	Issue / Revision

CODY LAMBERT, PE
FL, 100455

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607

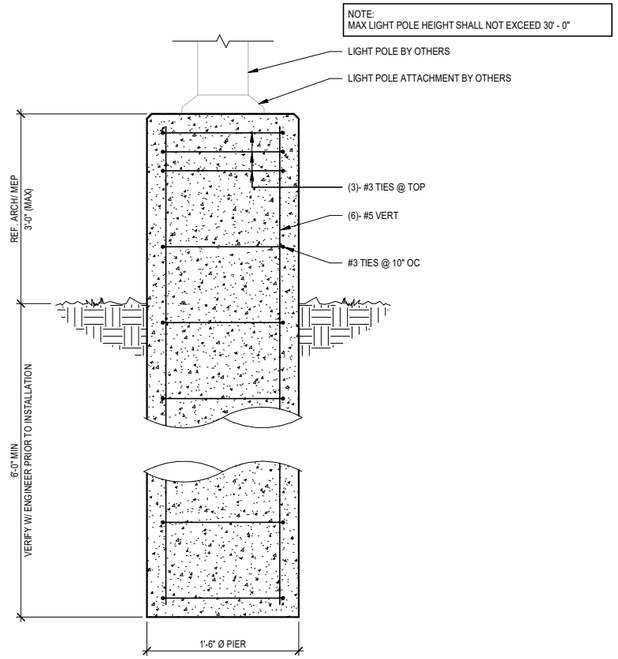
FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

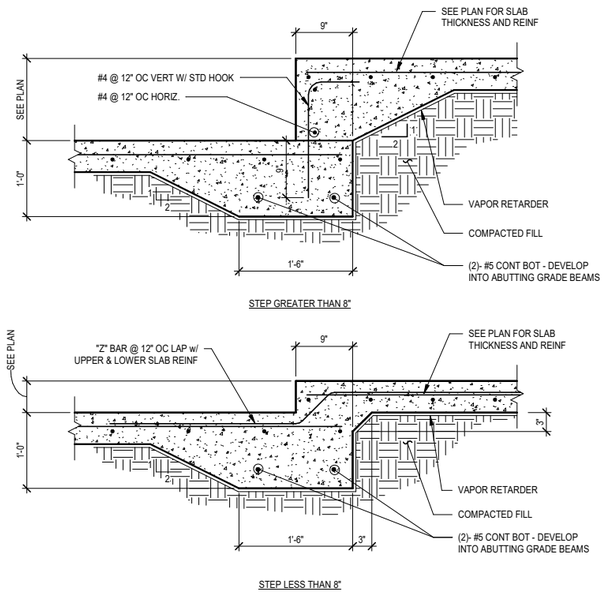
TYPICAL FOUNDATION SCHEDULE & DETAILS

DWG NO. S-301

SHEET NO.



1 LIGHT POLE DETAIL
NOT TO SCALE



2 STEP IN SLAB
NOT TO SCALE

No.	Date	Issue / Revision

CODY LAMBERT, PE
FL, 100455

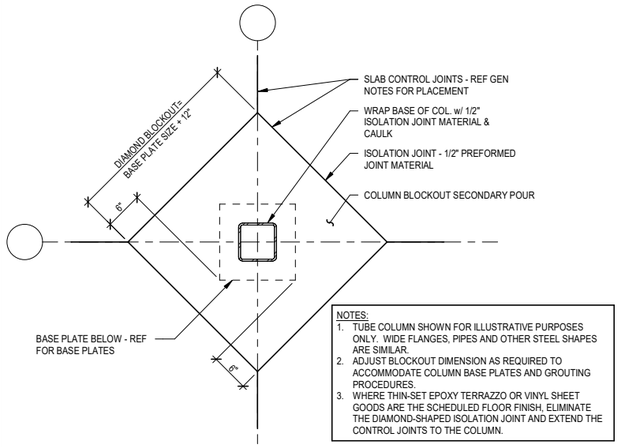
WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607

FLORIDA-ALABAMA TPO

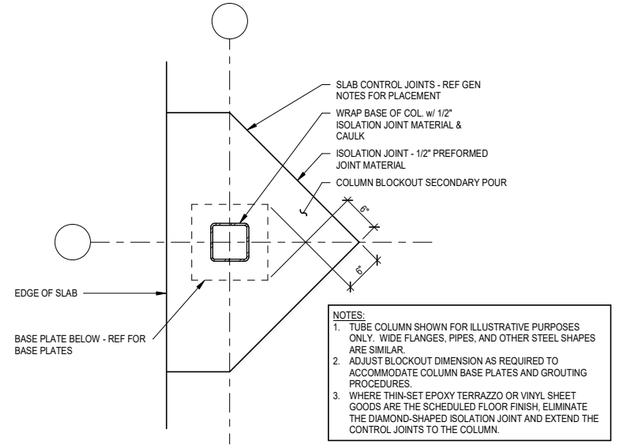
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

TYPICAL FOUNDATION SCHEDULE & DETAILS

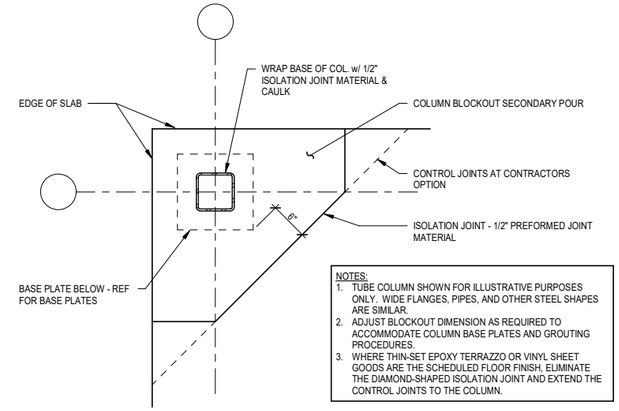
DWG NO.
S-302
SHEET NO.



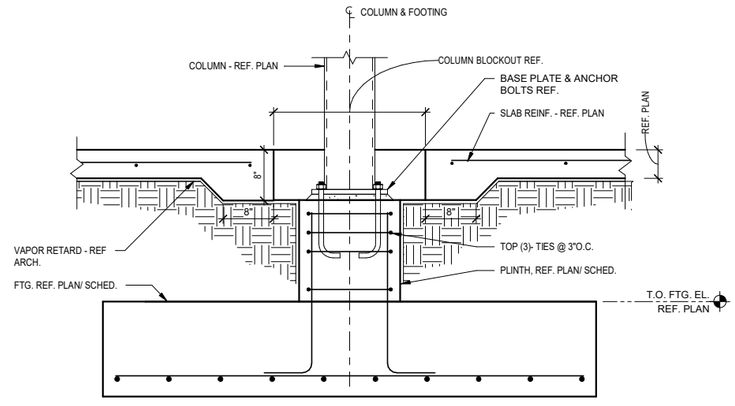
1 INTERIOR COLUMN BLOCKOUT
NOT TO SCALE



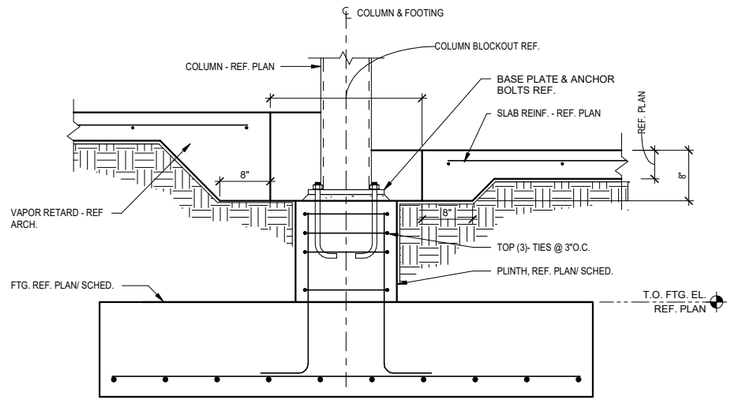
2 EXTERIOR COLUMN BLOCKOUT
NOT TO SCALE



3 EXTERIOR COLUMN BLOCKOUT
NOT TO SCALE



4 INTERIOR COLUMN DETAIL AT SPREAD FOOTING
NOT TO SCALE



5 INTERIOR COLUMN DETAIL AT SPREAD FOOTING AT DROP
NOT TO SCALE

No.	Date	Issue / Revision

CODY LAMBERT, PE
FL, 100455

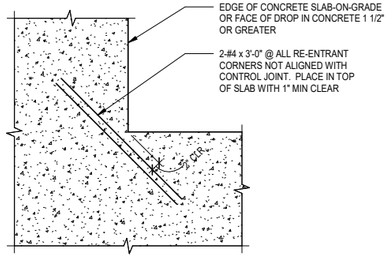
WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607

FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

TYPICAL FOUNDATION DETAILS

DWG NO. S-303
SHEET NO.



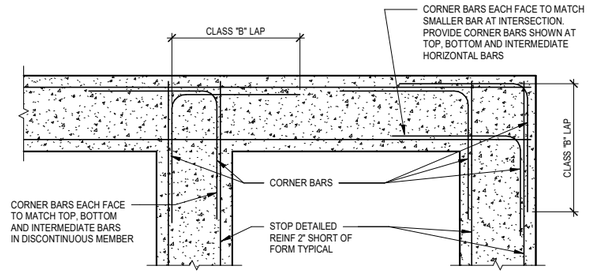
PLAN

1 TYPICAL SLAB-ON-GRADE RE-ENTRANT CORNER REINFORCING DETAIL

NOT TO SCALE

NOTES:

1. MATCH SIZE, LOCATION AND NUMBER OF HORIZONTAL BEAM AND WALL BARS, EXCEPT THAT WHERE THERE ARE MORE THAN 2 TOP OR BOTTOM BARS, ONLY THE INSIDE AND OUTSIDE BARS MUST BE MATCHED.
2. WHERE 90 DEGREE HOOKS ARE PROVIDED FOR TOP BARS CORNER BARS MAY BE OMITTED AT TOP. WHERE 90 DEGREE HOOKS ARE PROVIDED FOR BOTTOM BARS, CORNER BARS MAY BE OMITTED AT BOTTOM.



PLAN

2 TYPICAL CORNER BARS AT STRIP FOOTING INTERSECTION DETAIL

NOT TO SCALE

No.	Date	Issue / Revision

CODY LAMBERT, PE
FL, 100455

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607

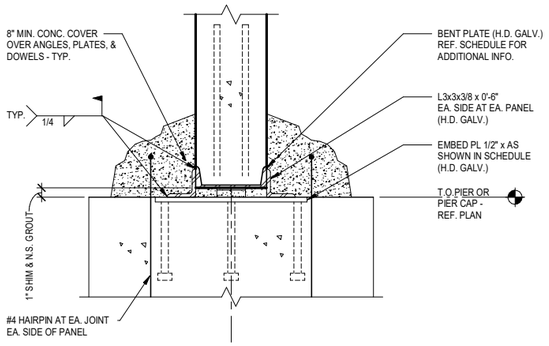
FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

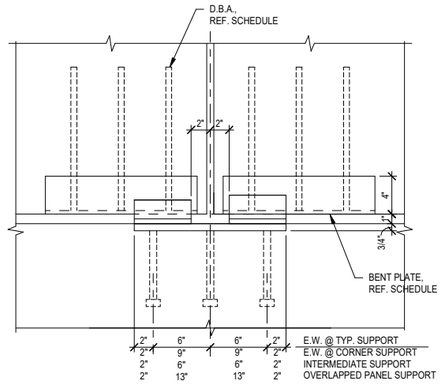
TYPICAL FOUNDATION DETAILS

DWG NO. S-304

SHEET NO.



SECTION

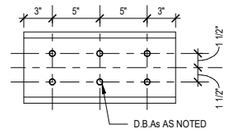


ELEVATION - TYPICAL

EMBED PLATE SCHED.		
LOCATION	PLATE SIZE	NO. H.S.A.
TYPICAL	1/2" x 16"x 1'-4"	9
CORNER	1/2" x 22" x 1'-10"	9
INTERMEDIATE	1/2" x 12" x 1'-4"	6
OVERLAPPED	1/2" x 28" x 2'-4"	9

NOTES:

1. PROVIDE 2-1"Ø AIR RELIEF HOLES IN CENTER OF PLATE.
2. H.S.A. ARE 3/4" DIA. x 0'-8".
3. H.D. GALV. AFTER FABRICATION.



BENT PLATE PLAN

BENT PLATE SCHEDULE		
PANEL THK.	PLATE SIZE	
11 1/4"	PL5/8" X AS SHOWN	(6)- 5/8"Ø D.B.As x 2'-0" SPACED AS SHOWN

NOTE: D.B.As SHALL NOT BE SUBSTITUTED BY REBAR

1 TYPICAL TILT-UP WALL PANEL ANCHOR DETAIL

NOT TO SCALE

No.	Date	Issue / Revision

CODY LAMBERT, PE
FL, 100455

WGI, INC.
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SUITE 375
TAMPA, FL 33607

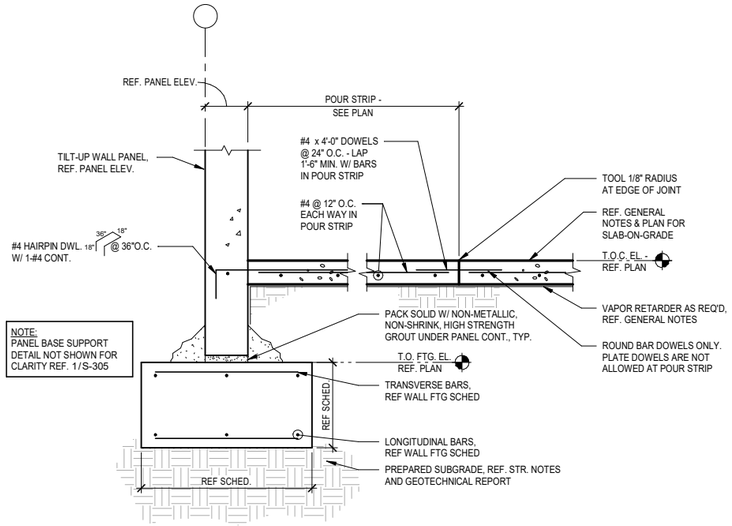
FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

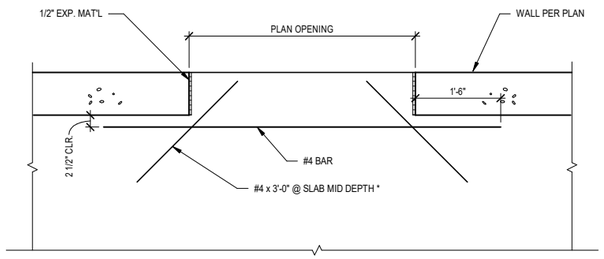
TYPICAL TILT WALL DETAILS - FOUNDATION

DWG NO. S-305

SHEET NO.

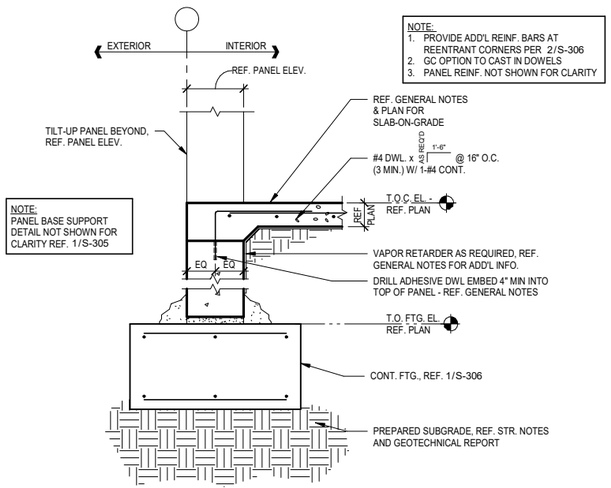


1 SLAB POUR STRIP DETAIL
NOT TO SCALE

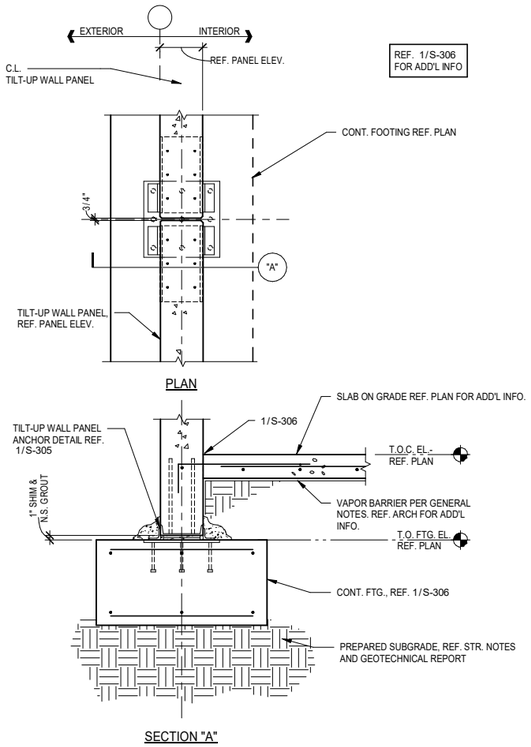


*TYP. SLAB REINF. @ ALL REENTRANT CORNERS

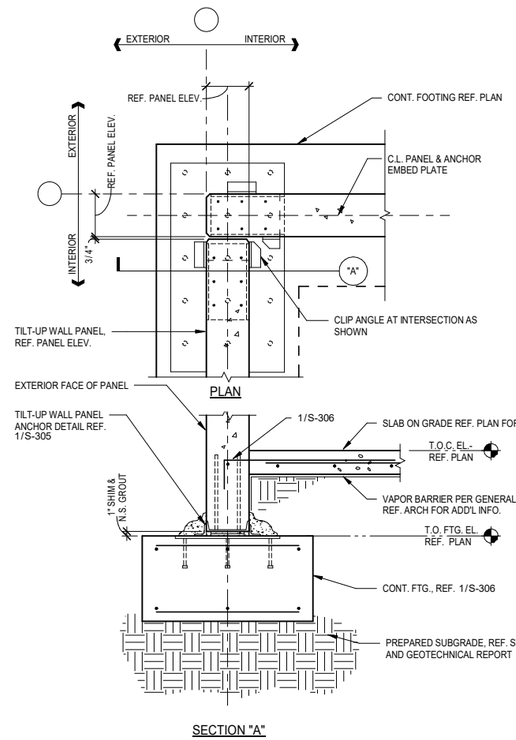
2 TYPICAL SLAB OPENING PLAN DETAIL
NOT TO SCALE



3 TILT-UP WALL PANEL AT MAN DOOR DETAIL
NOT TO SCALE



4 TYPICAL TILT-UP WALL PANEL TO CONT. FOOTING CONNECTION DETAIL
NOT TO SCALE



5 TILT-UP WALL PANEL TO CONT. FOOTING CONNECTION DETAIL - CORNER CONDITION
NOT TO SCALE

No.	Date	Issue / Revision

CODY LAMBERT, PE
FL, 100455

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607

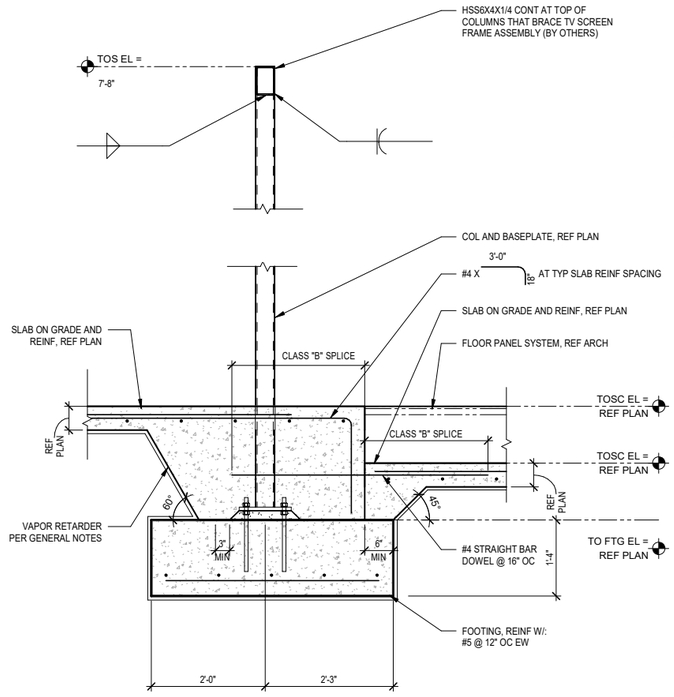
FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

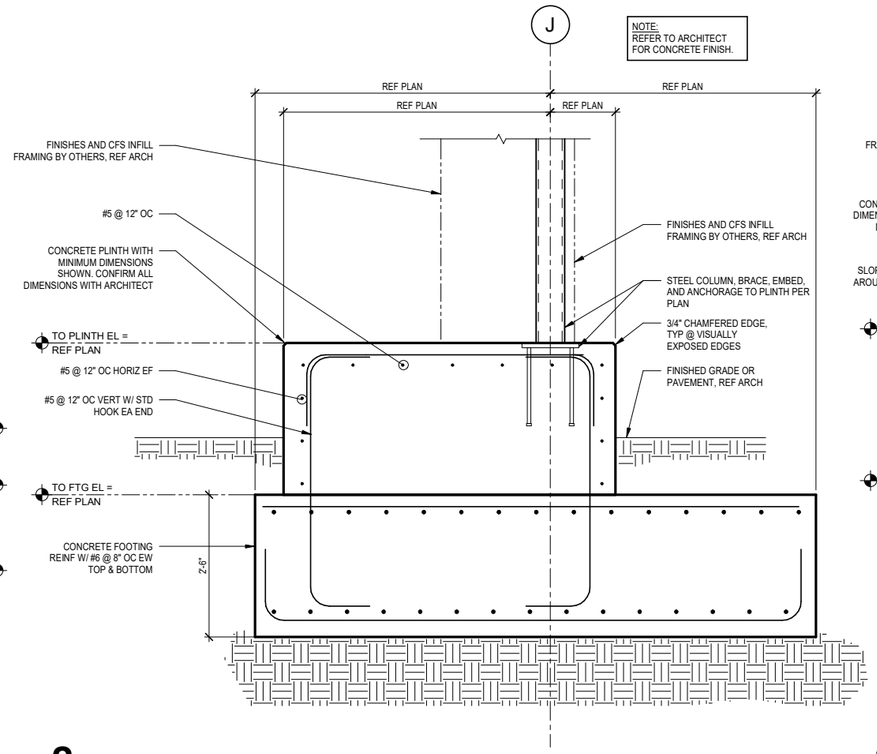
TYPICAL TILT WALL DETAILS - FOUNDATION

DWG NO. S-306

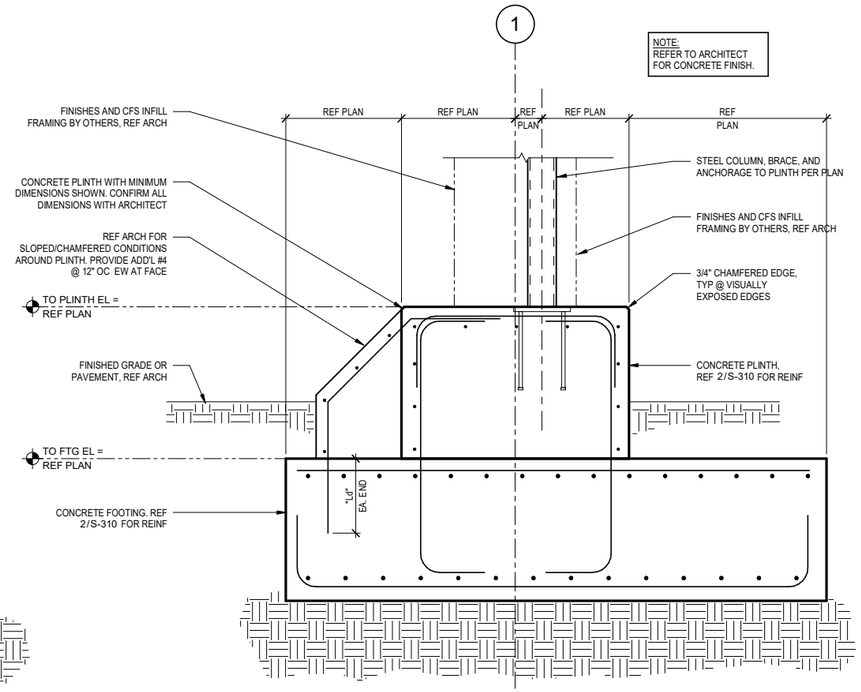
SHEET NO.



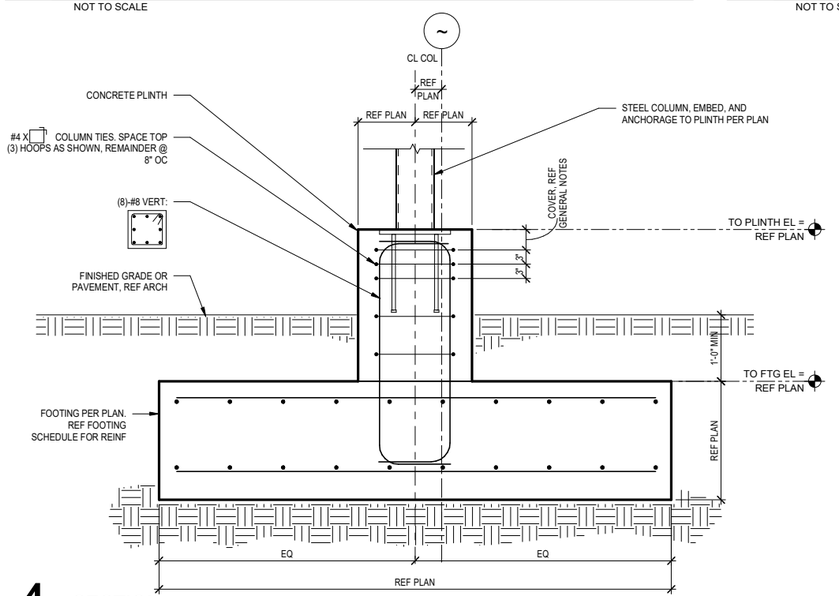
1 SECTION
NOT TO SCALE



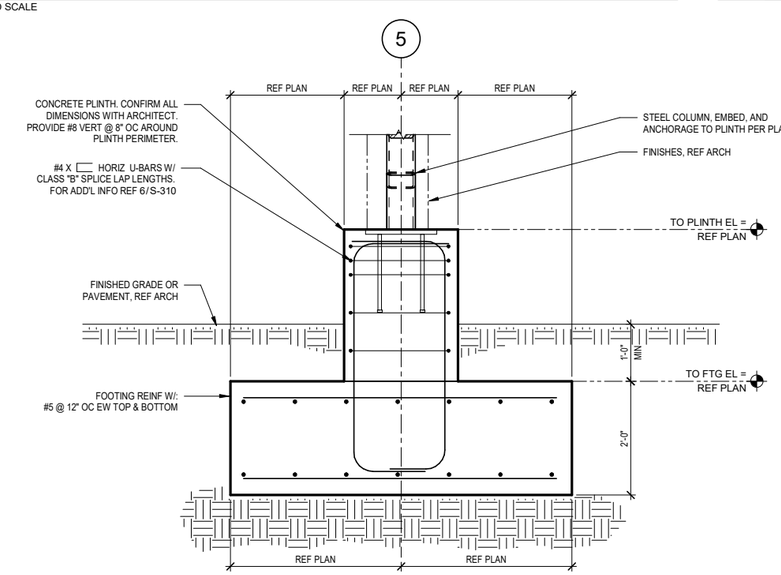
2 SECTION
NOT TO SCALE



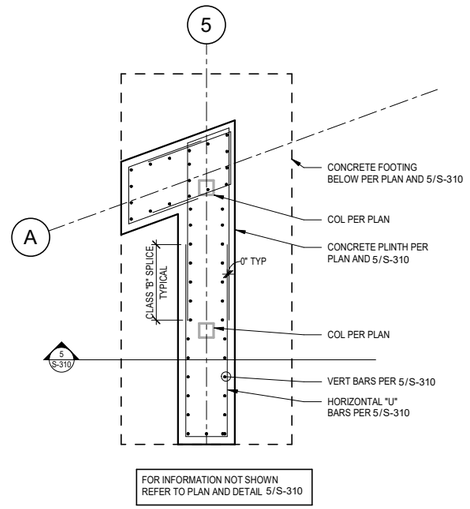
3 SECTION
NOT TO SCALE



4 SECTION
NOT TO SCALE



5 SECTION
NOT TO SCALE



6 ENLARGED PLAN - PLINTH REINFORCING
SCALE: 3/8" = 1'-0"

No.	Date	Issue / Revision

CODY LAMBERT, PE
FL, 100455

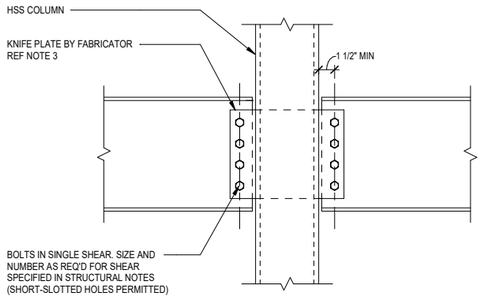
WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607

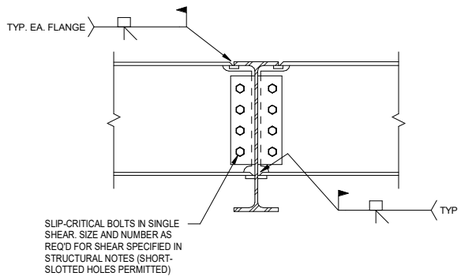
FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

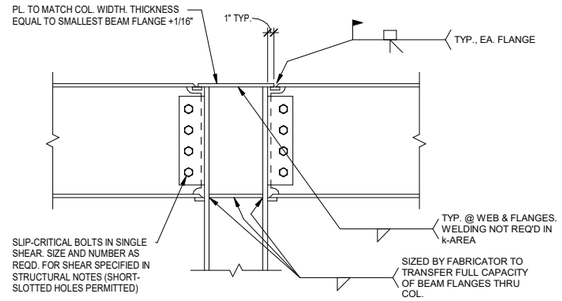
FOUNDATION DETAILS

DWG NO.
S-310
SHEET NO.

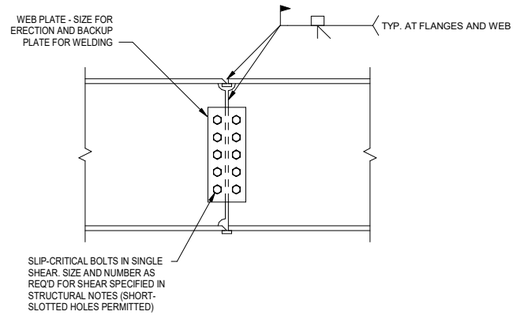




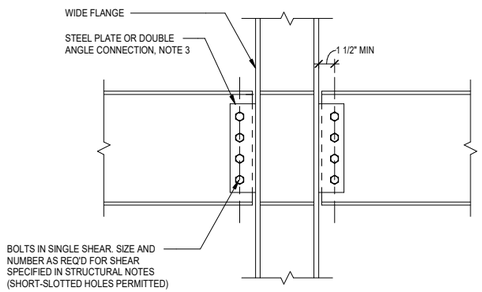
2 BEAM TO BEAM MOMENT CONNECTION TYPICAL DETAIL
NOT TO SCALE



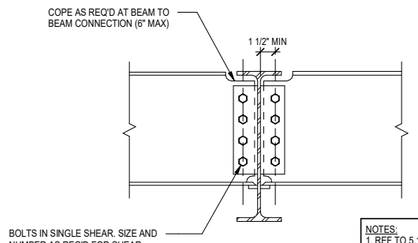
3 BEAM TO TOP OF COLUMN MOMENT CONNECTION TYPICAL DETAIL
NOT TO SCALE



4 MOMENT CONNECTION (BEAM SPLICE) TYPICAL DETAIL
NOT TO SCALE



BEAM SIZE	MINIMUM NO. OF ROWS OF BOLTS (N)
W8	2
W10	2
W12	2
W14	3
W16	3
W18	4
W21	4
W24	5
W27	5
W30	6
W33	7
W36	8
W40	9
W44	10



NOTES:
1. REF TO 5.1-D OF GENERAL NOTES FOR INFORMATION NOT SHOWN.
2. BOLTS ARE A325N, TYPICAL
3. MINIMUM PLATE THICKNESS IS 3/8" TYPICAL AND 7/16" AT W33 AND DEEPER. MINIMUM ANGLE THICKNESS IS 1/4" TYPICAL AND 5/16" AT W33 AND DEEPER.

1 SHEAR CONNECTION TYPICAL DETAIL
NOT TO SCALE

No.	Date	Issue / Revision

CODY LAMBERT, PE
FL, 100455

WGI, INC.
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SUITE 375
TAMPA, FL 33607

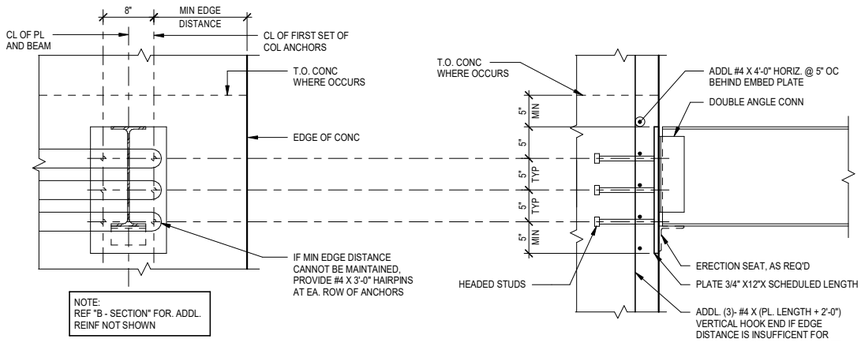
FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

STANDARD BEAM CONNECTION DETAILS

DWG NO. S-550
SHEET NO.

MAX. FACTORED END REACTION (KIPS)	NUMBER OF STUDS	PLATE LENGTH (NOTE 4)	MIN EDGE DISTANCE
35K	4	1'-3"	12"
55K	6	1'-8"	2'-0"
70K	8	2'-1"	2'-6"
85K	10	2'-6"	3'-0"
100K	12	2'-11"	3'-6"



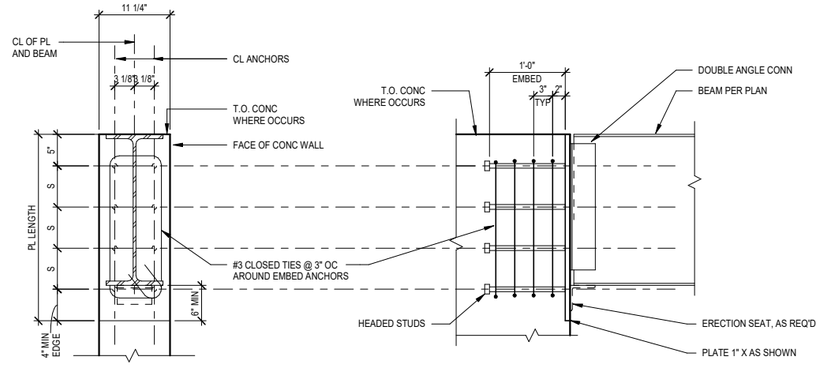
A ELEVATION

B SECTION

NOTES:
1. PROVIDE EMBED PLATE TO EQUAL OR EXCEED BEAM REACTION AS SPECIFIED FOR BEAM CONNECTION DESIGN.
2. DOUBLE ANGLE CONNECTION SHALL BE DESIGNED AND DETAILED BY A PROFESSIONAL ENGINEER WORKING UNDER THE GUIDANCE OF THE CONTRACTOR. REF GENERAL NOTES UNDER "STRUCTURAL STEEL CONNECTIONS."
3. HEADED STUDS SHALL BE 3/4"Ø X 6".
4. PROVIDE EXTRA PLATE LENGTH AS REQUIRED FOR ERECTION SEAT AT CONTRACTOR'S OPTION.
5. CONTRACTOR RESPONSIBLE FOR COORDINATING CONFLICTS WITH ARCH.
6. MINIMUM CONCRETE THICKNESS SHALL BE 10".
7. FOR REACTIONS GREATER THAN 100K, REF PLAN FOR CONNECTION DETAIL.

1 STEEL BEAM TO CONCRETE WALL CONNECTION TYPICAL DETAIL (12" THICK MAX)

NOT TO SCALE



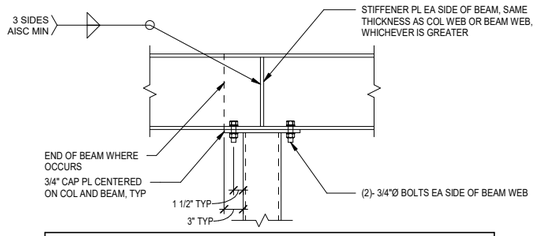
A ELEVATION

B SECTION

NOTE:
1. ANCHOR ROW SPACING "S" SHALL BE 6-1/2", UNLESS NOTED OTHERWISE.
2. PROVIDE NUMBER OF ANCHOR ROWS AS REQUIRED TO FILL THE PLATE LENGTH AT SPACING "S" AND MAINTAIN INDICATED EDGE DISTANCE.
3. DOUBLE ANGLE CONNECTION SHALL BE DESIGNED AND DETAILED BY A PROFESSIONAL ENGINEER WORKING UNDER THE GUIDANCE OF THE CONTRACTOR. REF GENERAL NOTES UNDER "STRUCTURAL STEEL CONNECTIONS."
4. HEADED STUDS SHALL BE 3/4"Ø X AS SHOWN.
5. PROVIDE EXTRA PLATE LENGTH AS REQUIRED FOR ERECTION SEAT AT CONTRACTOR'S OPTION.

6 STEEL BEAM CONNX TO END OF PANEL

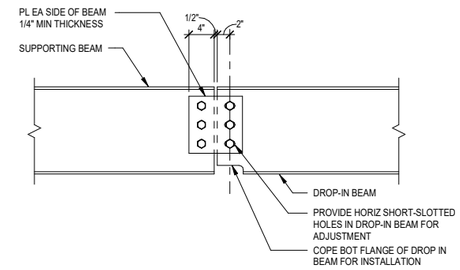
NOT TO SCALE



NOTES:
1. REFER TO ROOF PLAN FOR ROOF SLOPE. SLOPE CAP PLATES ACCORDINGLY.
2. CONNECT INTERSECTING BEAMS TO STIFFENER PLATES USING BOLTS IN SINGLE SHEAR DESIGNED FOR ECCENTRIC BEAM REACTION.
3. FOR BEAM FLANGE WIDTH <5", FIELD WELD BEAM TO CAP IN LIEU OF BOLTING, OR EXTEND BOTTOM FLANGE WITH PLATE EA. SIDE. PLATE EXTENSIONS SHALL BE SAME THICKNESS AS FLANGE, SAME LENGTH AS CAP PL., AND WELDED TO FLANGE WITH PREQUALIFIED FULL PEN. WELDS.

2 HSS OR PIPE COLUMN CAP PLATE TO BEAM CONNECTION TYPICAL DETAIL

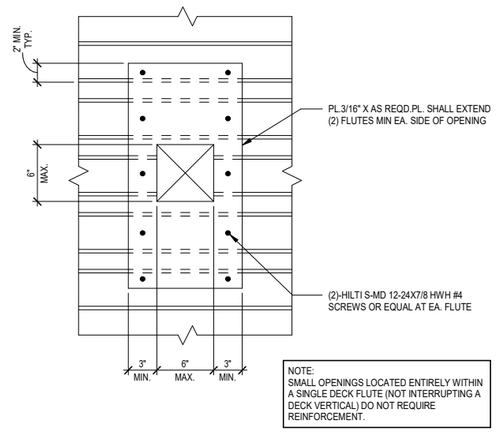
NOT TO SCALE



NOTES:
1. SPLICE CONNECTIONS SHALL BE DESIGNED BY THE CONTRACTOR TO MEET THE REQUIREMENTS SPECIFIED FOR STANDARD CONNECTIONS IN THE STRUCTURAL NOTES.
2. PROVIDE SHIM PLATES AS REQUIRED.

3 BOLTED BEAM SPLICE TYPICAL DETAIL

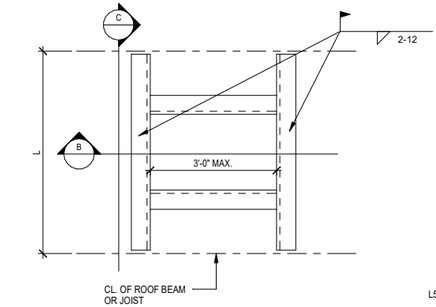
NOT TO SCALE



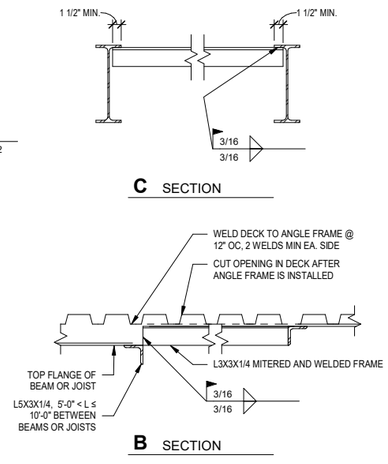
NOTE:
SMALL OPENINGS LOCATED ENTIRELY WITHIN A SINGLE DECK FLUTE (NOT INTERRUPTING A DECK VERTICAL) DO NOT REQUIRE REINFORCEMENT.

4 SMALL OPENING IN ROOF DECK

NOT TO SCALE



A PLAN



C SECTION

B SECTION

5 ROOF OPENING TYPICAL DETAIL

NOT TO SCALE

No.	Date	Issue / Revision

CODY LAMBERT, PE
FL, 100455

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607

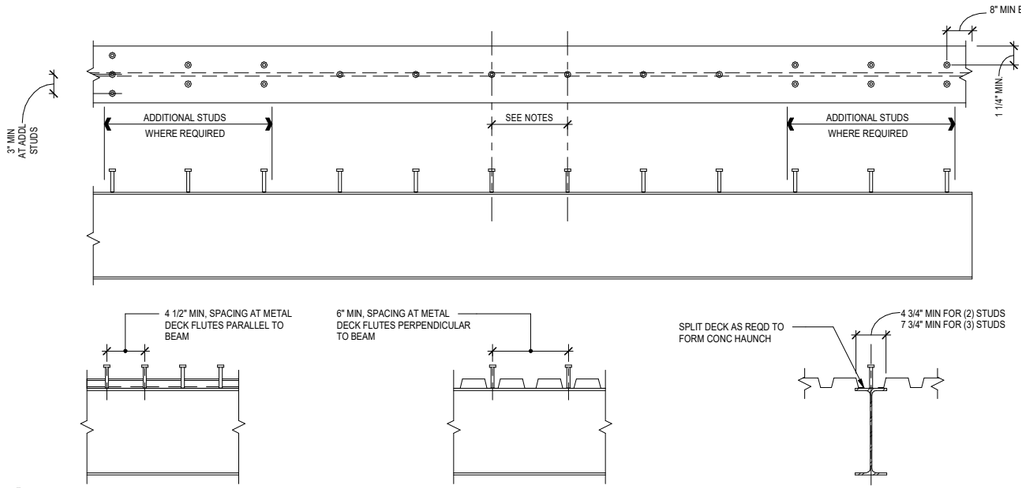
FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

TYPICAL STEEL DETAILS

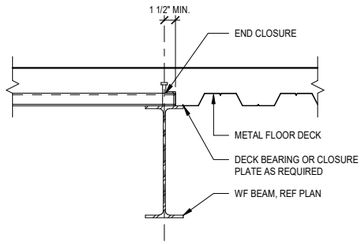
DWG NO. S-551

SHEET NO.

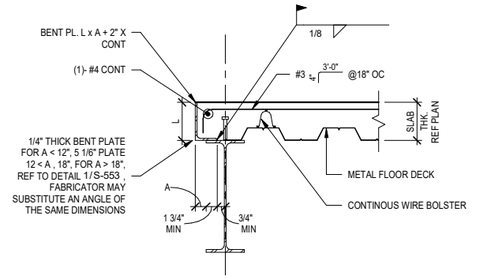


NOTES:
1. DETERMINE WHERE ALL STUDS ARE TO BE PLACED BEFORE WELDING TO BEAM. SEE DETAIL FOR STUD SPACING AND EDGE DISTANCE REQUIREMENTS. IF REQUIRED NUMBER OF STUDS CANNOT BE INSTALLED ON BEAM WITHIN MINIMUM SPACING REQUIREMENTS, GENERAL CONTRACTOR SHALL CONTACT ENGINEER OF RECORD FOR DIRECTION PRIOR TO INSTALLING ANY STUDS.
2. FOR UNIFORMLY-DISTRIBUTED STUDS - PLACE HALF OF THE TOTAL NUMBER OF STUDS EACH SIDE OF THE BEAM MIDSPAN. FOR NON-UNIFORMLY-DISTRIBUTED STUDS - PLACE NUMBER STUDS BETWEEN BEAMS AS NOTED ON PLAN.
3. AT BEAMS PERPENDICULAR TO DECK FLUTES: STARTING FROM THE END SUPPORT PLACE SHEAR STUDS UNIFORMLY TOWARDS THE MIDSPAN. MAX SPACING SHALL NOT EXCEED 18 INCHES. FOR REMAINING STUDS, BEGIN FROM EACH END AND PLACE STUDS AT REMAINING FLUTES WITHOUT STUDS. WHERE REQUIRED NUMBER OF STUDS EXCEEDS SINGLE STUDS PER FLUTE, PLACE EXTRA STUDS IN PAIRS (1-1/2" EACH SIDE OF BEAM WEB), STARTING AT EACH END OF BEAM. WHERE REQUIRED NUMBER OF STUDS EXCEEDS PAIRS, PLACE EXTRA STUDS IN TRIOS (ONE AT CENTER, PLUS ONE 3" EACH SIDE OF BEAM WEB), STARTING AT EACH END OF BEAM. MULTIPLE STUDS SHALL NOT BE PLACED IN A LONGITUDINAL LINE WITHIN A SINGLE DECK FLUTE.
4. AT BEAMS PARALLEL TO DECK FLUTES: STARTING FROM EACH END, PLACE SHEAR STUDS EVENLY-SPACED ALONG EACH SECTION OF BEAM. SPACE NO CLOSER THAN 4 1/2" ON CENTER. WHERE REQUIRED NUMBER OF STUDS EXCEEDS SINGLE LINE SPACED 4 1/2" ON CENTER, PLACE EXTRA STUDS IN PAIRS OR TRIOS AS DESCRIBED IN PREVIOUS NOTE. MAX. SPACING OF STUDS SHALL NOT EXCEED 18 INCHES.

1 SHEAR STUD PLACEMENT DIAGRAM
NOT TO SCALE

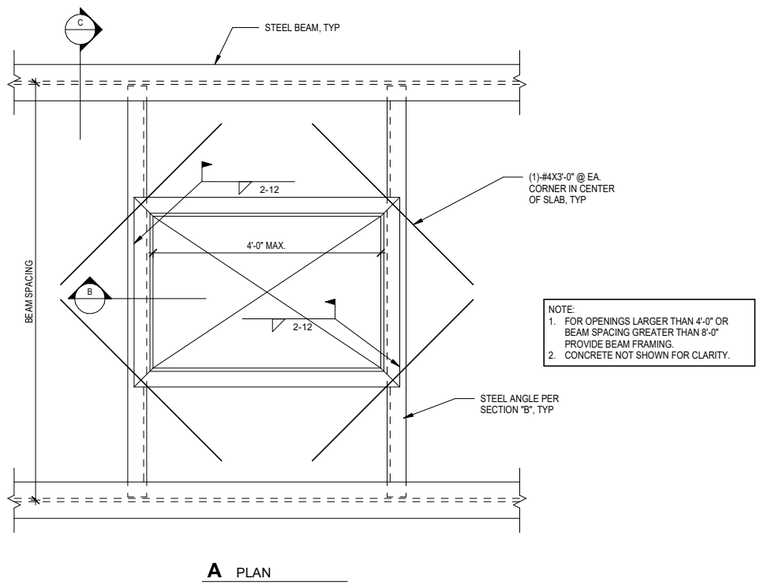


2 CHANGE OF DECK DIRECTION OVER BEAM TYPICAL DETAIL
NOT TO SCALE



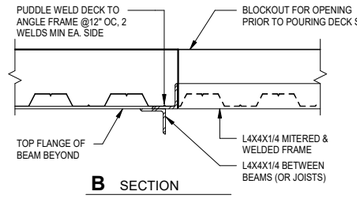
NOTE:
1. PROVIDE 1/2" RETURN LIP ON 16 GA. EDGE FORMS.

3 COMPOSITE SLAB EDGE CONDITION TYPICAL DETAIL
NOT TO SCALE

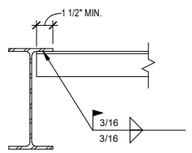


NOTE:
1. FOR OPENINGS LARGER THAN 4'-0" OR BEAM SPACING GREATER THAN 8'-0" PROVIDE BEAM FRAMING.
2. CONCRETE NOT SHOWN FOR CLARITY.

A PLAN

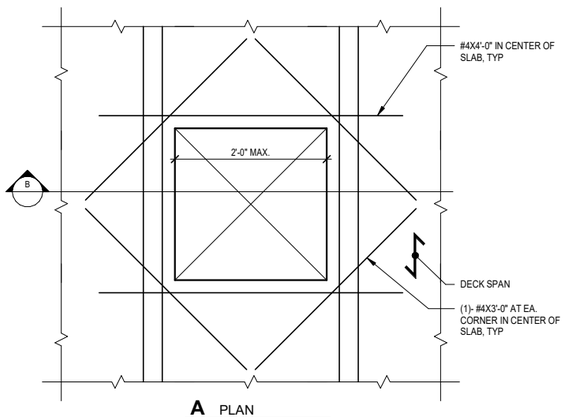


B SECTION



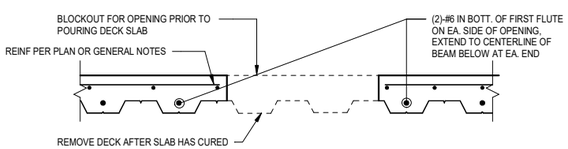
C SECTION

4 LARGE OPENING IN COMPOSITE SLAB TYPICAL DETAIL
NOT TO SCALE



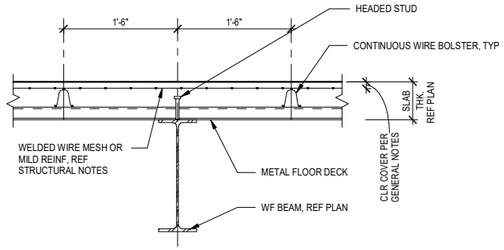
A PLAN

NOTES:
1. REINFORCING NOT REQUIRED AT OPENINGS LESS THAN 6" WIDE UNLESS DETAILED OTHERWISE.
2. FOR OPENINGS LARGER THAN 2'-0" WIDE, REF 4/S-552

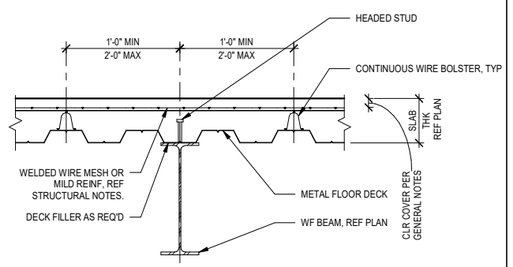


B SECTION

5 SMALL OPENING IN COMPOSITE SLAB TYPICAL DETAIL
NOT TO SCALE



A BEAM SECTION PERPENDICULAR TO DECK SPAN



B GIRDER SECTION PARALLEL TO DECK SPAN

6 COMPOSITE BEAM OR GIRDER TYPICAL DETAIL
NOT TO SCALE

No.	Date	Issue / Revision

CODY LAMBERT, PE
FL, 100455

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607

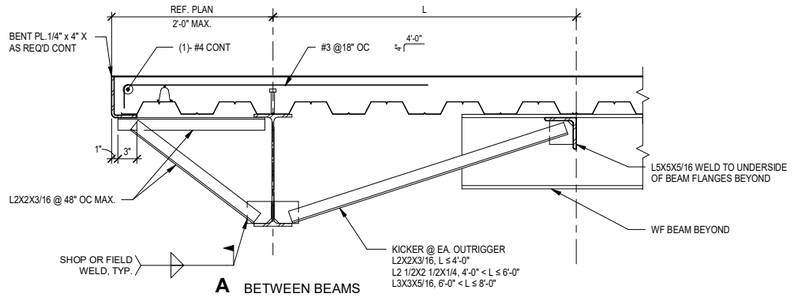
FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

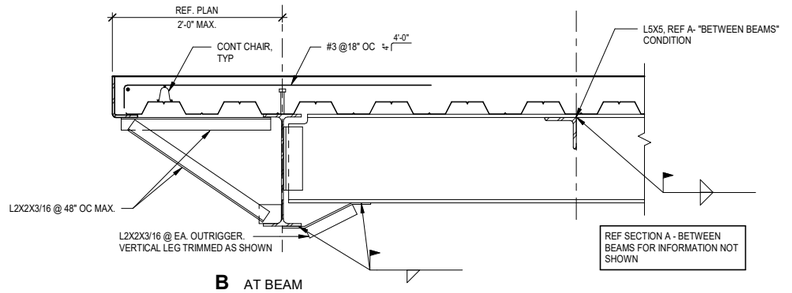
STANDARD COMPOSITE DECK DETAILS

DWG NO. S-552

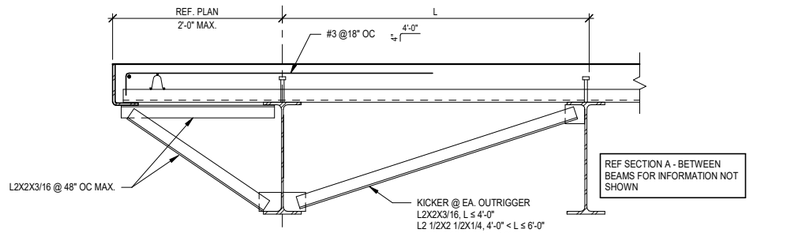
SHEET NO.



A BETWEEN BEAMS



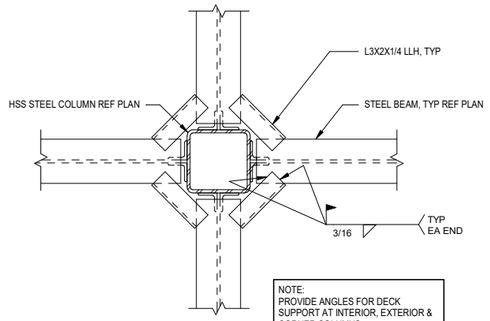
B AT BEAM



C DECK PERPENDICULAR TO BEAMS

1 COMPOSITE SLAB EDGE OVERHANG TYPICAL DETAIL

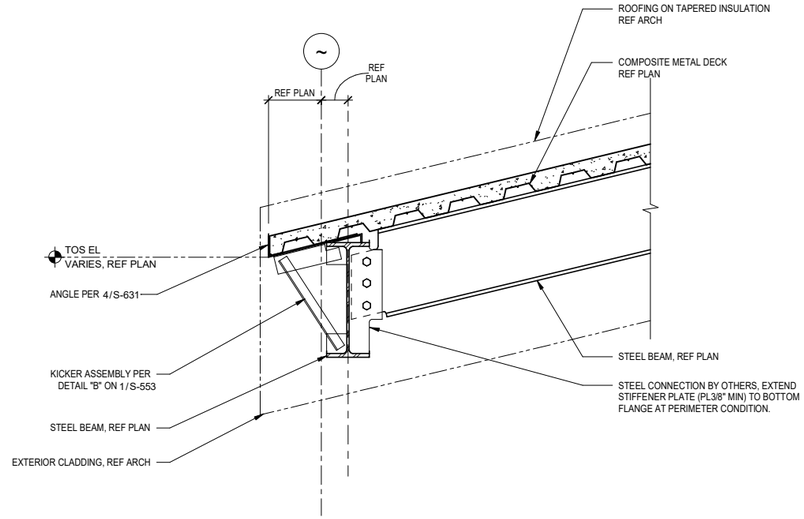
NOT TO SCALE



A PLAN

2 DECK SUPPORT AT HSS COLUMN TYPICAL DETAIL

NOT TO SCALE



3 SECTION

SCALE: 3/4" = 1'-0"

No.	Date	Issue / Revision

CODY LAMBERT, PE
FL, 100455

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607

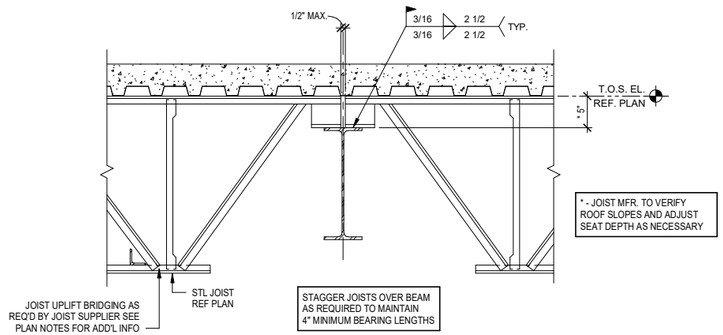
FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

STANDARD COMPOSITE DECK DETAILS

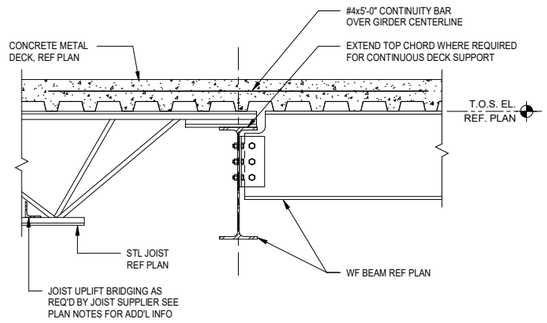
DWG NO. S-553

SHEET NO.



1 LH SERIES STEEL JOIST BEARING ON STEEL BEAM TYPICAL DETAIL

NOT TO SCALE



2 EXTENDED TOP CHORD FOR DECK SUPPORT TYPICAL DETAIL

NOT TO SCALE

No.	Date	Issue / Revision

CODY LAMBERT, PE
FL, 100455

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607

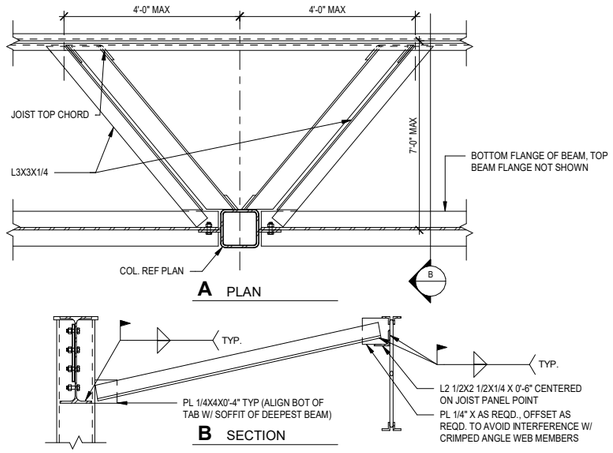
FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

STANDARD STEEL JOISTS DETAILS

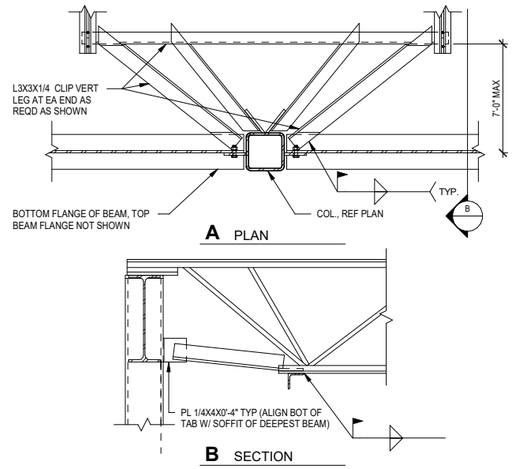
DWG NO. S-554

SHEET NO.



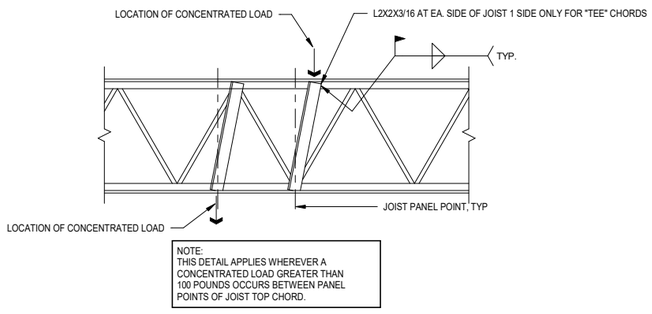
1 COLUMN BRACED TO JOISTS PARALLEL TO BEAM-TYPICAL DETAIL

NOT TO SCALE



2 COLUMN BRACED TO JOISTS PERPENDICULAR TO BEAM-TYPICAL DETAIL

NOT TO SCALE



3 JOIST CHORD REINFORCEMENT FOR CONCENTRATED POINT LOADS TYPICAL DETAIL

NOT TO SCALE

No.	Date	Issue / Revision

CODY LAMBERT, PE
FL, 100455

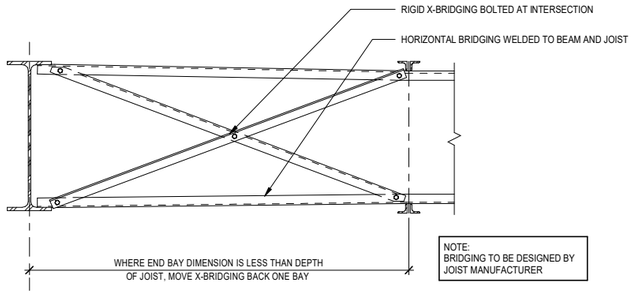
WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607

FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

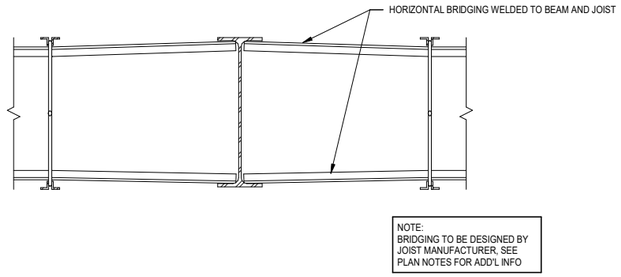
STANDARD STEEL JOISTS DETAILS

DWG NO.
S-555
SHEET NO.



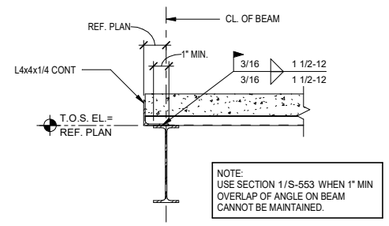
1 CROSS BRIDGING AT END BAY FOR K & KCS SERIES JOISTS TYPICAL DETAIL

NOT TO SCALE



2 HORIZONTAL BRIDGING AT BEAM PARALLEL TO JOISTS TYPICAL DETAIL

NOT TO SCALE



3 EXTERIOR BEAM PARALLEL TO JOIST TYPICAL DETAIL

NOT TO SCALE

No.	Date	Issue / Revision

CODY LAMBERT, PE
FL, 100455

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607

FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

STANDARD STEEL JOISTS DETAILS

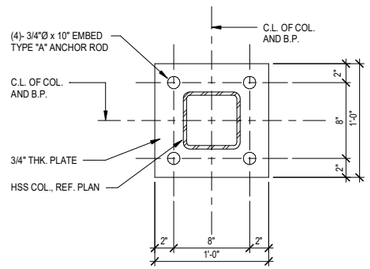
DWG NO. S-556

SHEET NO.

ANCHOR ROD HOLES IN BASE PLATES			
ANCHOR ROD DIAMETER	HOLE DIAMETER	MIN. WASHER SIZE	MIN. WASHER THICKNESS
3/4"	1 5/16"	2"	1/4"
7/8"	1 9/16"	2 1/2"	5 /16"
1"	1 13/16"	3"	3/8"
1 1/4"	2 1/16"	3"	1/2"
1 1/2"	2 5/16"	3 1/2"	1/2"
1 3/4"	2 3/4"	4"	5/8"
2"	3 1/4"	5"	3/4"
2 1/2"	3 3/4"	5 1/2"	7/8"

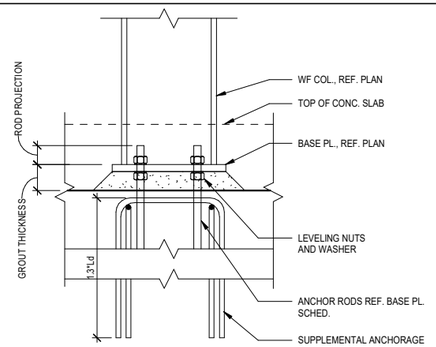
NOTES:
i. CIRCULAR OR SQUARE WASHERS MEETING THE WASHER SIZE ARE ACCEPTABLE.
ii. WASHERS SHALL BE FIELD WELDED ALL AROUND TO BASE PL. USING MINIMUM WELDS SIZE PER AISC.

1 BASE PLATE ANCHOR ROD HOLE SCHEDULE
NOT TO SCALE



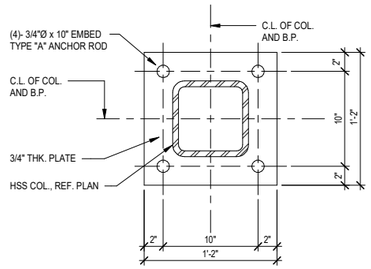
NOTES:
1. WELD TO BE MINIMUM SIZE REQUIRED BY A.I.S.C. FOR THICKNESS OF BASE PLATE USED.
2. REF. COLUMN BASE PLATE TYPICAL DETAIL - HSS FOR BASE PLATE ELEVATION.

5 BP-1
NOT TO SCALE



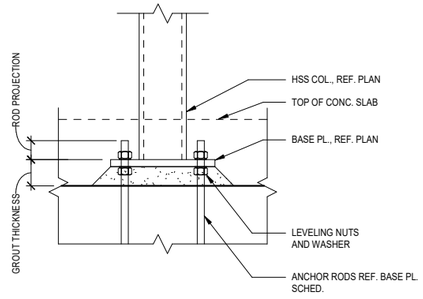
ROD PROJECTION AND GROUT THICKNESS SCHEDULE		
ANCHOR ROD DIAMETER	GROUT THICKNESS	MIN. ROD PROJECTION
1" OR LESS	1 1/2"	1 1/2"
1 1/8" TO 1 1/2"	2"	2"

2 COLUMN BASE PLATE TYPICAL DETAIL - WF
NOT TO SCALE



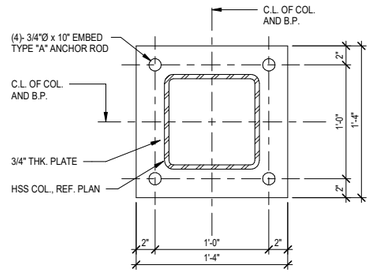
NOTES:
1. WELD TO BE MINIMUM SIZE REQUIRED BY A.I.S.C. FOR THICKNESS OF BASE PLATE USED.
2. REF. COLUMN BASE PLATE TYPICAL DETAIL - HSS FOR BASE PLATE ELEVATION.

6 BP-2
NOT TO SCALE



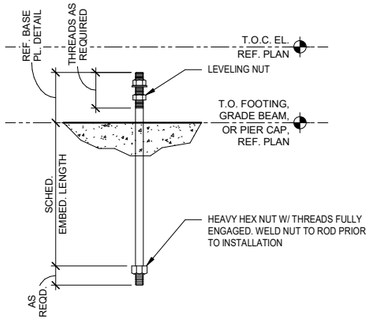
ROD PROJECTION AND GROUT THICKNESS SCHEDULE		
ANCHOR ROD DIAMETER	GROUT THICKNESS	MIN. ROD PROJECTION
1" OR LESS	1 1/2"	1 1/2"
1 1/8" TO 1 1/2"	2"	2"

3 COLUMN BASE PLATE TYPICAL DETAIL - HSS
NOT TO SCALE

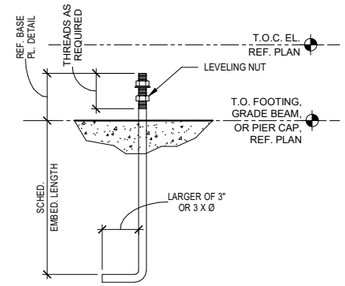


NOTES:
1. WELD TO BE MINIMUM SIZE REQUIRED BY A.I.S.C. FOR THICKNESS OF BASE PLATE USED.
2. REF. COLUMN BASE PLATE TYPICAL DETAIL - HSS FOR BASE PLATE ELEVATION.

7 BP-3
NOT TO SCALE



B TYPE "B" ROD



A TYPE "A" ROD

NOTES:
i. USE TYPE "A" ROD, TYPICAL U.N.O.
ii. USE TYPE "B" ROD AT ALL BRACE LOCATIONS AND OTHER LOCATIONS AT CONTRACTOR'S OPTION.
iii. HEADED BOLTS MAY BE USED IN LIEU OF TYPE "A" OR TYPE "B" RODS AT CONTRACTOR'S OPTION.

4 ANCHOR ROD TYPES
NOT TO SCALE

No.	Date	Issue / Revision

CODY LAMBERT, PE
FL, 100455

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607

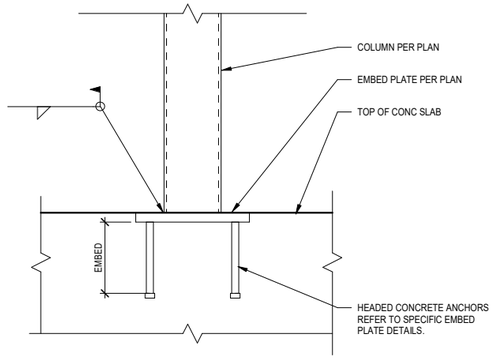
FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

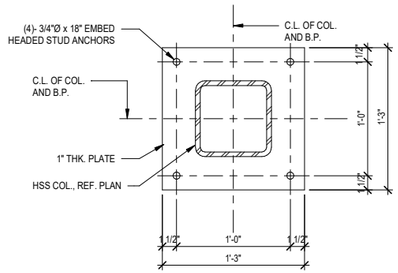
STEEL COLUMN BASE PLATE DETAILS

DWG NO. S-557

SHEET NO.

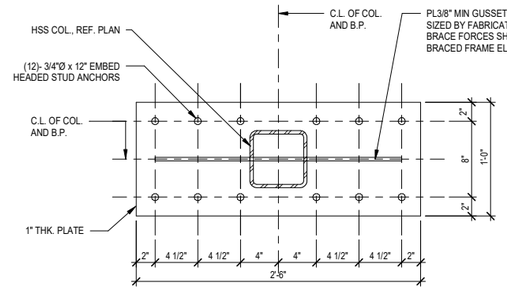


1 TYPICAL COLUMN EMBED PLATE ELEVATION
NOT TO SCALE



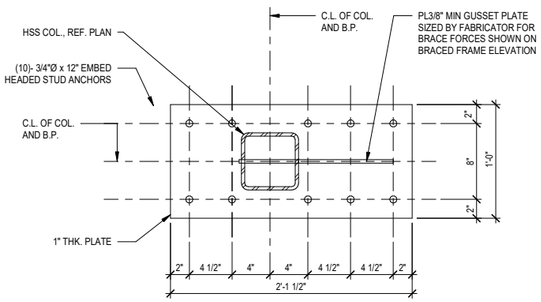
NOTES:
1. WELD TO BE MINIMUM SIZE REQUIRED BY A.I.S.C. FOR THICKNESS OF BASE PLATE USED.
2. REF. COLUMN EMBED PLATE TYPICAL ELEVATION DETAIL FOR ADD'L INFO.

2 EP-A
NOT TO SCALE



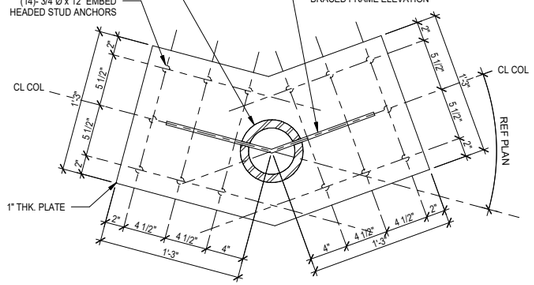
NOTES:
1. WELD TO BE MINIMUM SIZE REQUIRED BY A.I.S.C. FOR THICKNESS OF BASE PLATE USED.
2. REF. COLUMN EMBED PLATE TYPICAL ELEVATION DETAIL FOR ADD'L INFO.

3 EP-B
NOT TO SCALE



NOTES:
1. WELD TO BE MINIMUM SIZE REQUIRED BY A.I.S.C. FOR THICKNESS OF BASE PLATE USED.
2. REF. COLUMN EMBED PLATE TYPICAL ELEVATION DETAIL FOR ADD'L INFO.

4 EP-C
NOT TO SCALE



NOTES:
1. WELD TO BE MINIMUM SIZE REQUIRED BY A.I.S.C. FOR THICKNESS OF BASE PLATE USED.
2. REF. COLUMN EMBED PLATE TYPICAL ELEVATION DETAIL FOR ADD'L INFO.

5 EP-D
SCALE: 1 1/2" = 1'-0"

No.	Date	Issue / Revision

CODY LAMBERT, PE
FL, 100455

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607

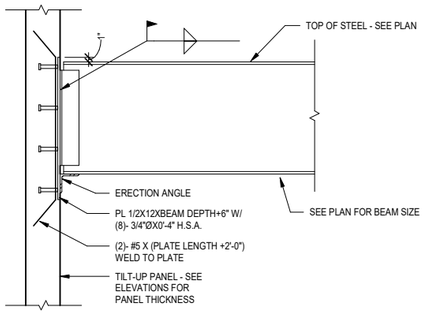
FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

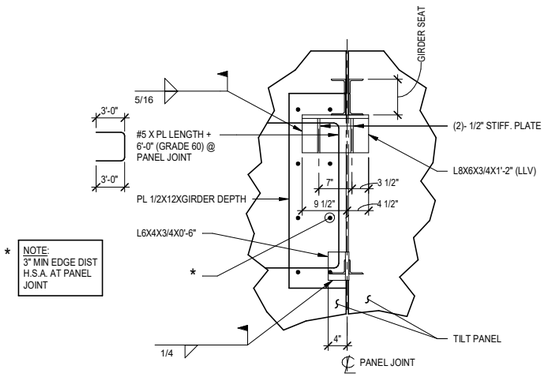
STEEL COLUMN EMBED DETAILS

DWG NO. S-558

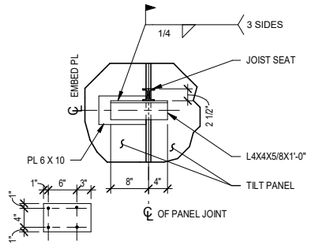
SHEET NO.



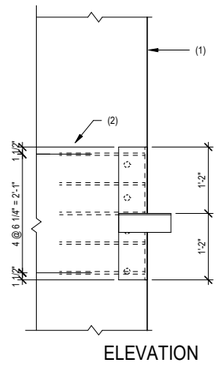
1 BEAM BEARING AT PANEL
NOT TO SCALE

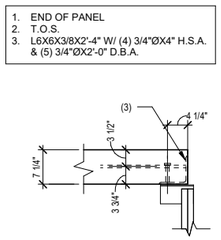


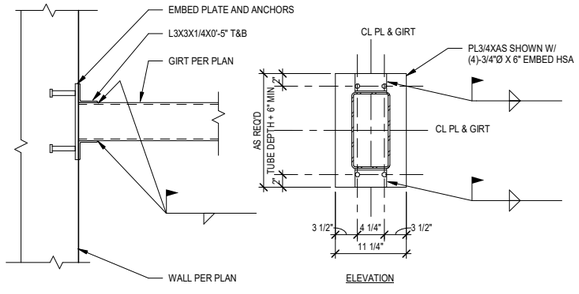
2 CONNECTION AT PANEL JOINT
NOT TO SCALE



3 CONNECTION AT PANEL JOINT (JOIST BEARING)
NOT TO SCALE

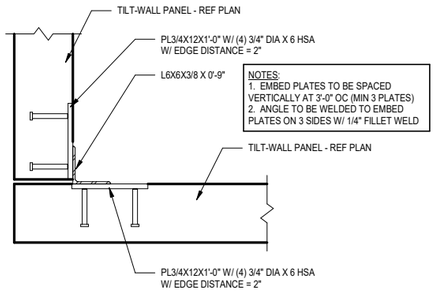




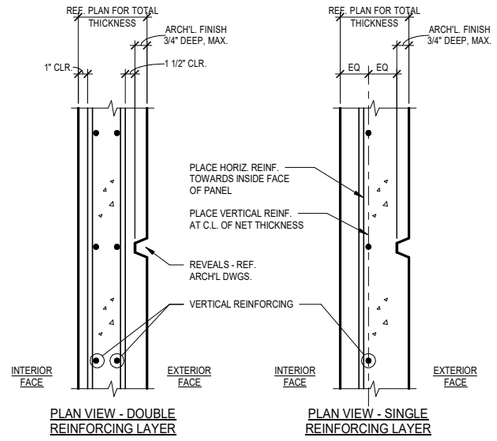


4 JOIST TO PANEL EDGE
NOT TO SCALE

5 GIRT CONNECTION AT PANEL
NOT TO SCALE



6 PARTIAL PLAN - CORNER TILT WALL PANEL
NOT TO SCALE



7 TYPICAL TILT-UP PANEL THICKNESS & REINFORCING PLACEMENT DETAIL
NOT TO SCALE

No.	Date	Issue / Revision

CODY LAMBERT, PE
FL, 100455

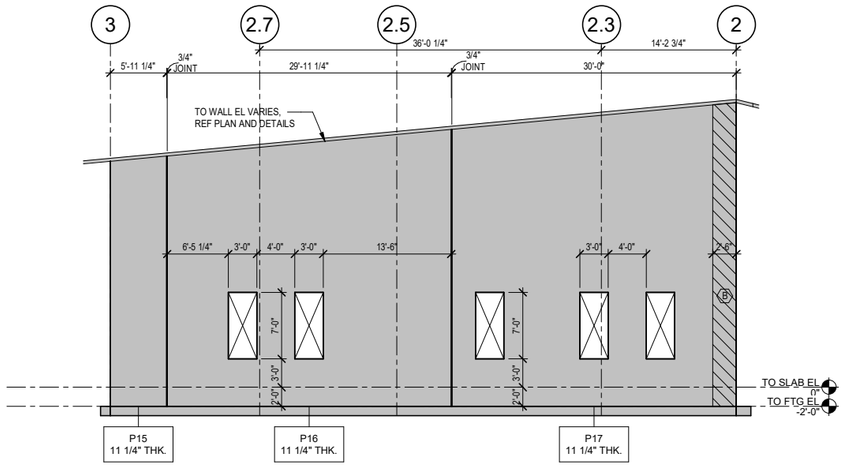
WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607

FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

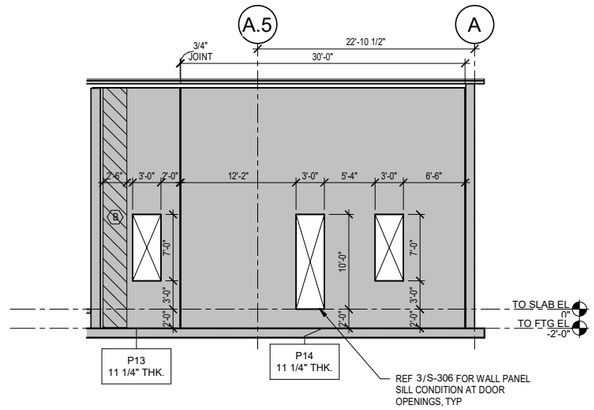
TYPICAL TILT WALL DETAILS

DWG NO.
S-600
SHEET NO.



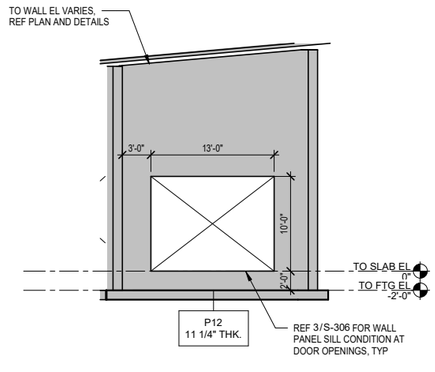
1 TILT-UP WALL ELEVATION

SCALE: 1/8" = 1'-0"



2 TILT-UP WALL ELEVATION

SCALE: 1/8" = 1'-0"

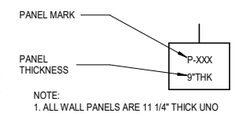


3 TILT-UP WALL ELEVATION

SCALE: 1/8" = 1'-0"

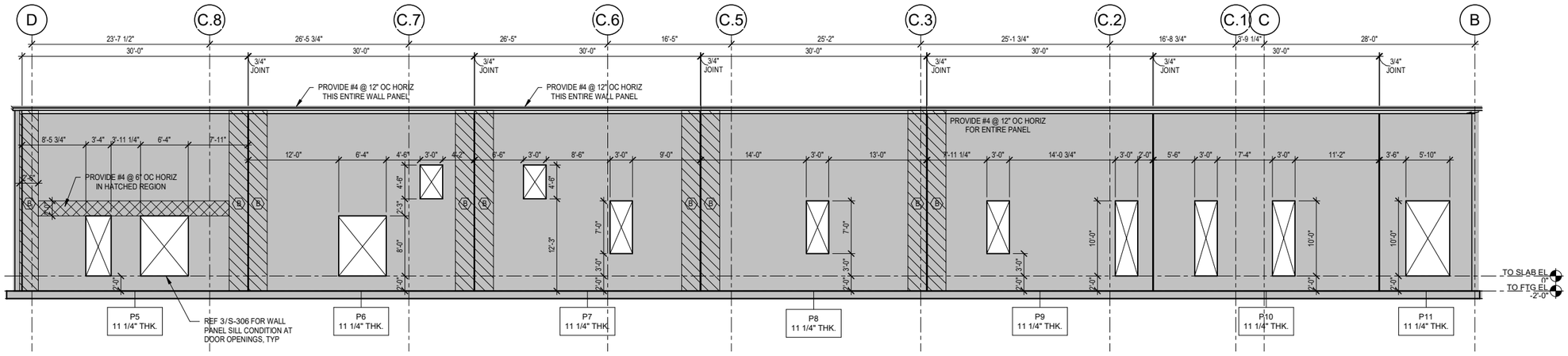
TILT WALL PANEL NOTES:

1. REF ARCH DRAWINGS AND SPECIFICATIONS FOR FINISHES, CHAMFERS AND REVEALS
2. REF. MECH. DRAWINGS FOR ALL MECH. OPENINGS AND SLEEVES. PROVIDE (2)- #5 BARS ON ALL SIDES OF OPENING U.N.O.
3. REF. ARCH AND STRUCTURAL DRAWINGS FOR ITEMS TO BE CAST IN PANELS
4. PANEL LIFTING IS THE RESPONSIBILITY OF THE CONTRACTOR. ADDITIONAL REINFORCING AND STRONG BACK FOR PANEL ERECTION SHALL BE SUPPLIED AS REQ'D. CONTRACTOR SHALL SUPPLY LIFTING INSERT SHOP DRAWINGS DETAILING EXACT LOCATION AND BRACING INSERT LOCATIONS.
5. SOIL FILL ADJACENT TO EXTERIOR TILT-WALL PANELS SHALL BE HAND COMPACTED TO THE REQUIRED DENSITIES.
6. PROVIDE 3/4" JOINT (VERIFY) BETWEEN ALL PANELS.
7. REFER TO S-620 FOR ADD'L WALL REINF INFORMATION.
8. PANELS SHOWN IN ELEVATIONS ARE VIEWED FROM THE BUILDING EXTERIOR, TYP.
9. REFER TO S-621 FOR TYPICAL WALL PANEL REINFORCEMENT ELEVATION.
10. REFER TO PLAN AND SECTIONS FOR LOCATING TOP OF WALL ELEVATION, TYP UNO.



NOTE:
1. ALL WALL PANELS ARE 11 1/4" THICK UNO

TYPICAL TILT-UP PANEL CALLOUT



4 TILT-UP WALL ELEVATION

SCALE: 1/8" = 1'-0"

No.	Date	Issue / Revision

CODY LAMBERT, PE
FL, 100455

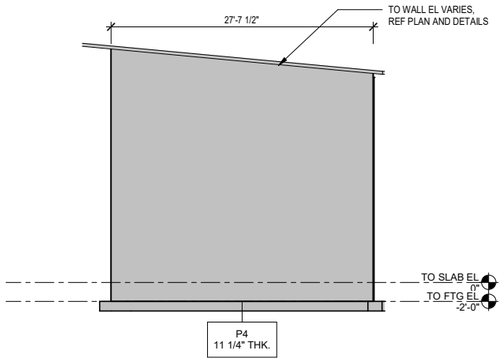
WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607

FLORIDA-ALABAMA TPO

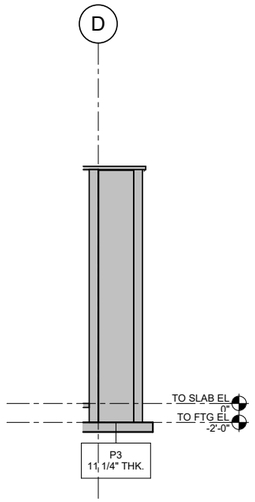
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

TILT-WALL ELEVATION

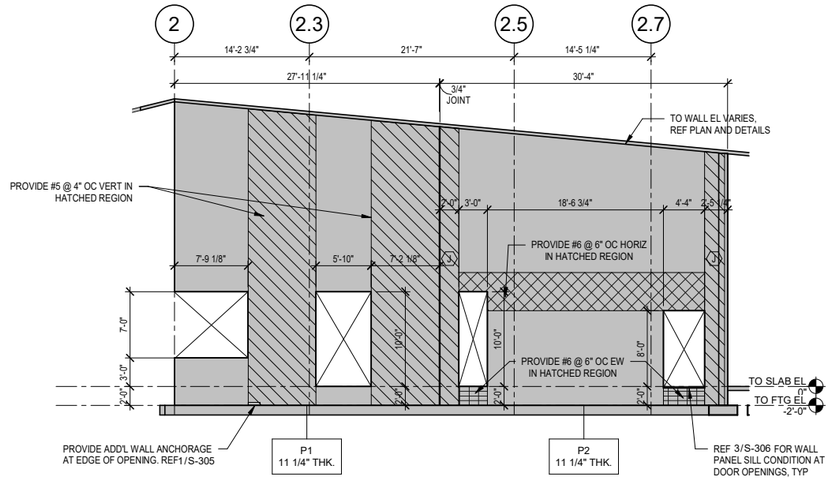
DWG NO.
S-610
SHEET NO.



1 TILT-UP WALL ELEVATION
SCALE: 1/8" = 1'-0"



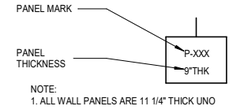
2 TILT-UP WALL ELEVATION
SCALE: 1/8" = 1'-0"



3 TILT-UP WALL ELEVATION
SCALE: 1/8" = 1'-0"

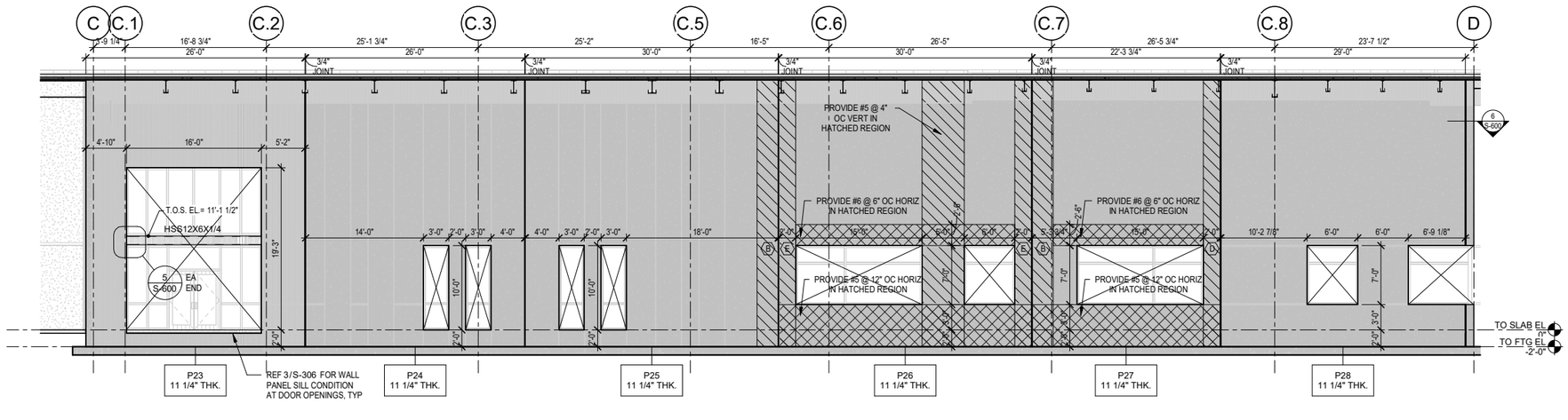
TILT WALL PANEL NOTES:

1. REF ARCH DRAWINGS AND SPECIFICATIONS FOR FINISHES, CHAMFERS AND REVEALS
2. REF. MECH. DRAWINGS FOR ALL MECH. OPENINGS AND SLEEVES. PROVIDE (2)- #5 BARS ON ALL SIDES OF OPENING U.N.O.
3. REF. ARCH AND STRUCTURAL DRAWINGS FOR ITEMS TO BE CAST IN PANELS
4. PANEL LIFTING IS THE RESPONSIBILITY OF THE CONTRACTOR. ADDITIONAL REINFORCING AND STRONG BACK FOR PANEL ERECTION SHALL BE SUPPLIED AS REQ'D. CONTRACTOR SHALL SUPPLY LIFTING INSERT SHOP DRAWINGS DETAILING EXACT LOCATION AND BRACING INSERT LOCATIONS.
5. SOIL FILL ADJACENT TO EXTERIOR TILT-WALL PANELS SHALL BE HAND COMPACTED TO THE REQUIRED DENSITIES.
6. PROVIDE 3/4" JOINT (VERIFY) BETWEEN ALL PANELS.
7. REFER TO S-620 FOR ADD'L WALL REINF INFORMATION.
8. PANELS SHOWN IN ELEVATIONS ARE VIEWED FROM THE BUILDING EXTERIOR, TYP.
9. REFER TO S-621 FOR TYPICAL WALL PANEL REINFORCEMENT ELEVATION.
10. REFER TO PLAN AND SECTIONS FOR LOCATING TOP OF WALL ELEVATION, TYP UNO.

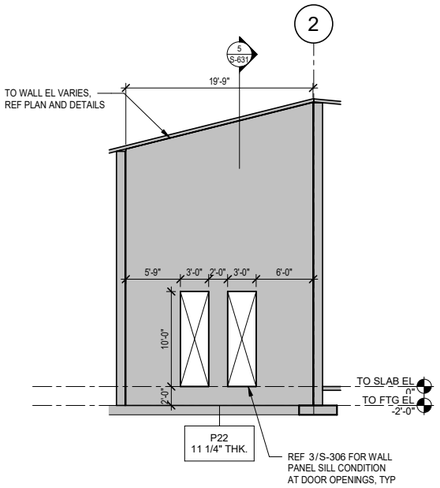


NOTE:
1. ALL WALL PANELS ARE 11 1/4" THICK UNO

TYPICAL TILT-UP PANEL CALLOUT



4 TILT-UP WALL ELEVATION
SCALE: 1/8" = 1'-0"



5 TILT-UP WALL ELEVATION
SCALE: 1/8" = 1'-0"

No.	Date	Issue / Revision

CODY LAMBERT, PE
FL, 100455

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607

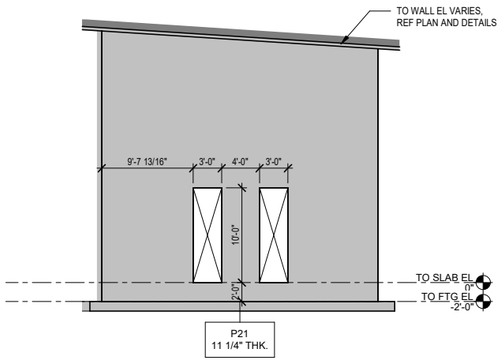
FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

TILT-WALL ELEVATION

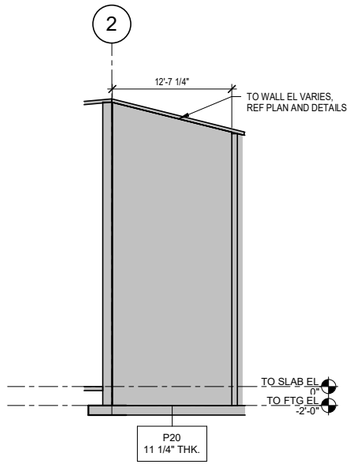
DWG NO. S-611

SHEET NO.



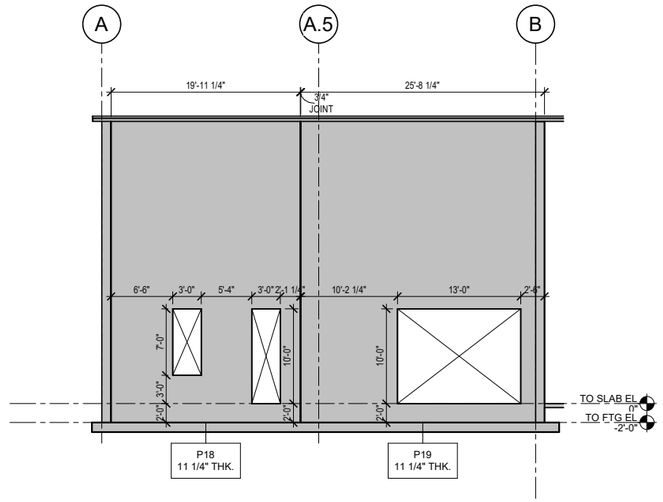
1 TILT-UP WALL ELEVATION

SCALE: 1/8" = 1'-0"



2 TILT-UP WALL ELEVATION

SCALE: 1/8" = 1'-0"

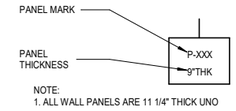


3 TILT-UP WALL ELEVATION

SCALE: 1/8" = 1'-0"

TILT WALL PANEL NOTES:

1. REF ARCH DRAWINGS AND SPECIFICATIONS FOR FINISHES, CHAMFERS AND REVEALS
2. REF. MECH. DRAWINGS FOR ALL MECH. OPENINGS AND SLEEVES. PROVIDE (2)- #5 BARS ON ALL SIDES OF OPENING U.N.O.
3. REF. ARCH AND STRUCTURAL DRAWINGS FOR ITEMS TO BE CAST IN PANELS
4. PANEL LIFTING IS THE RESPONSIBILITY OF THE CONTRACTOR. ADDITIONAL REINFORCING AND STRONG BACK FOR PANEL ERECTION SHALL BE SUPPLIED AS REQ'D. CONTRACTOR SHALL SUPPLY LIFTING INSERT SHOP DRAWINGS DETAILING EXACT LOCATION AND BRACING INSERT LOCATIONS.
5. SOIL FILL ADJACENT TO EXTERIOR TILT-WALL PANELS SHALL BE HAND COMPACTED TO THE REQUIRED DENSITIES.
6. PROVIDE 3/4" JOINT (VERIFY) BETWEEN ALL PANELS.
7. REFER TO S-620 FOR ADD'L WALL REINF INFORMATION.
8. PANELS SHOWN IN ELEVATIONS ARE VIEWED FROM THE BUILDING EXTERIOR, TYP.
9. REFER TO S-621 FOR TYPICAL WALL PANEL REINFORCEMENT ELEVATION.
10. REFER TO PLAN AND SECTIONS FOR LOCATING TOP OF WALL ELEVATION, TYP UNO.



NOTE:
1. ALL WALL PANELS ARE 11 1/4" THICK UNO

TYPICAL TILT-UP PANEL CALLOUT

No.	Date	Issue / Revision

CODY LAMBERT, PE
FL, 100455

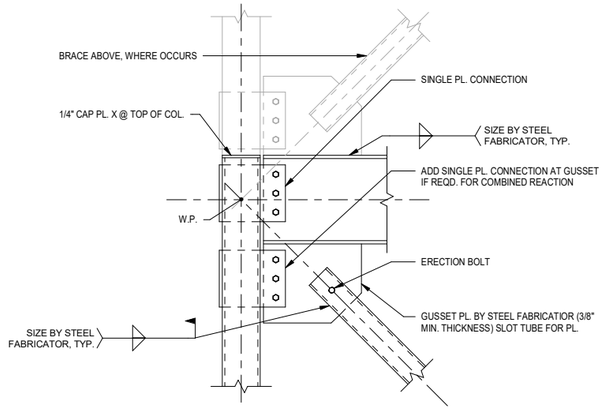
WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607

FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

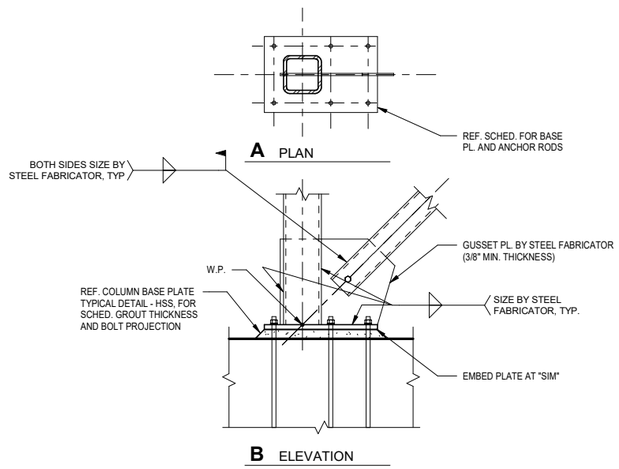
TILT-WALL ELEVATION

DWG NO.
S-612
SHEET NO.



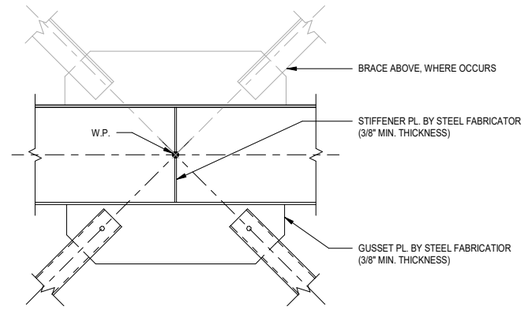
1 WIDE FLANGE BEAM AND HSS BRACE CONNECTION TO TUBE COLUMN TYPICAL DETAIL

NOT TO SCALE



2 HSS BRACE CONNECTION TO TUBE COLUMN AND BASE PLATE TYPICAL DETAIL

NOT TO SCALE

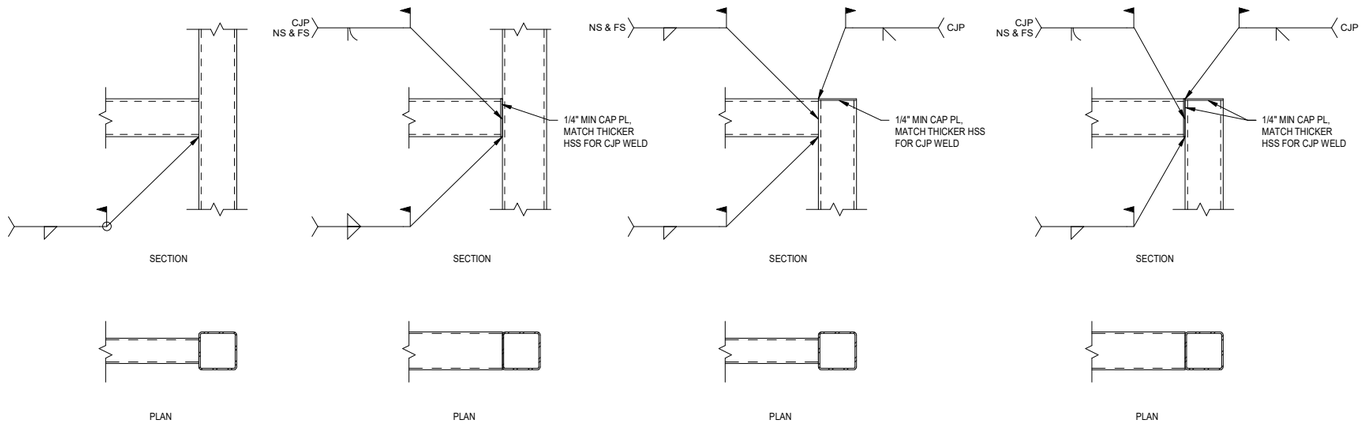


3 HSS BRACE CONNECTION TO BEAM TYPICAL DETAIL

NOT TO SCALE

BRACE DESIGN NOTES:

1. DESIGN CONNECTIONS FOR FORCES SHOWN ON BRACE ELEVATIONS.
2. IF NO FORCES ARE SHOWN ON BRACE ELEVATIONS, DESIGN FOR THE FULL TENSILE CAPACITY OF THE BRACES ACCORDING TO THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION MANUAL. REFER TO GENERAL NOTES FOR MANUAL EDITION.
3. SIZE WELDS FOR FORCES AND ECCENTRICITY OF C.G. WELD AND C.G. FORCE.
4. AT BEAM TO COLUMN CONNECTIONS, SIZE ATTACHMENT TO COLUMN FOR COMBINED GRAVITY LOAD SHEAR PLUS VERTICAL SHEAR COMPONENT DUE TO LATERAL LOAD.
5. CHECK FOR WHITMORE SECTION BUCKLING AND BLOCK SHEAR RUPTURE OF GUSSET PLATES.
6. CALCULATIONS SHALL BE PERFORMED AND SEALED BY A REGISTERED PROFESSIONAL ENGINEER AND SHALL BE SUBMITTED TO THE ARCHITECT PER SPECIFICATIONS.
7. DESIGN FORCES NOTED AS H= K ARE FACTORED FORCES IN AXIAL TENSION (T) OR COMPRESSION (C). WHERE LOADS "H" ARE SPECIFIED, THE MAGNITUDE OF THE LOAD SHALL BE USED FOR BOTH TENSION AND COMPRESSION.



4 HSS TO HSS WELD CONNECTIONS, TYP

NOT TO SCALE

No.	Date	Issue / Revision

CODY LAMBERT, PE
FL, 100455

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607

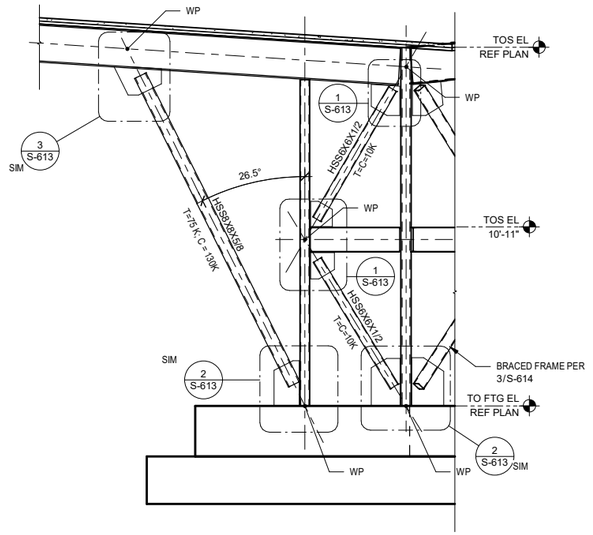
FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

TYPICAL BRACE DETAILS

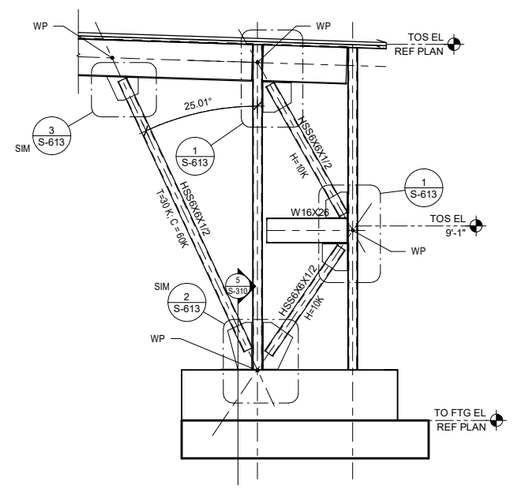
DWG NO. S-613

SHEET NO.



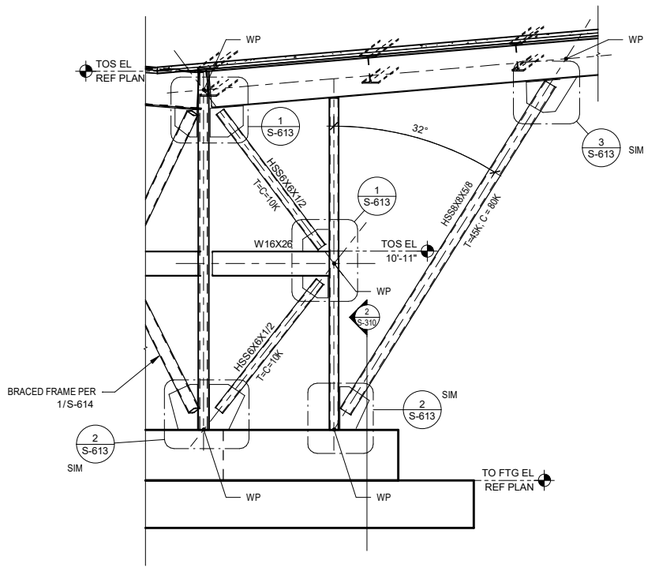
1 STEEL BRACE FRAME ELEVATION

SCALE: 1/4" = 1'-0"



2 STEEL BRACE FRAME ELEVATION

SCALE: 1/4" = 1'-0"



3 STEEL BRACE FRAME ELEVATION

SCALE: 1/4" = 1'-0"

No.	Date	Issue / Revision

CODY LAMBERT, PE
FL, 100455

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607

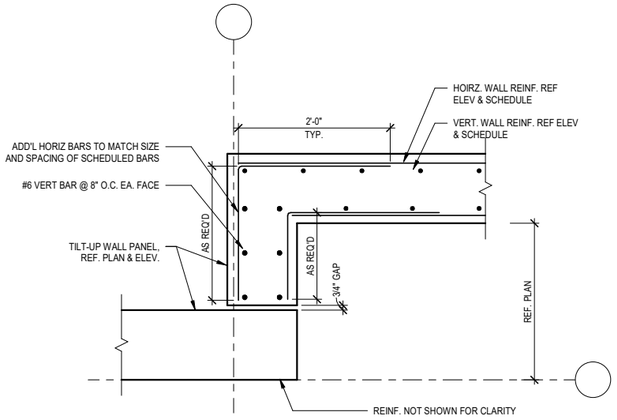
FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

BRACED FRAME ELEVATIONS

DWG NO. S-614

SHEET NO.

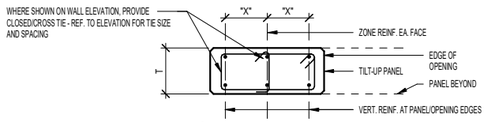


1 PANEL LEG REINF.
NOT TO SCALE

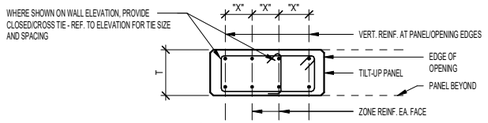
VERTICAL WALL REINFORCING SCHEDULE		
ZONE CALLOUT	BAR SIZE	QUANTITY - EA. FACE
A	#5	3
B	#5	4
C	#5	5
D	#5	6
E	#5	7
F	#5	8
G	#5	9
H	#5	10
J	#8	6

NOTES:
1. QUANTITY OF BARS ARE TO BE EQUALLY SPACED WITHIN THE MARKED ZONES NOTED ON ELEVATIONS
2. FOR PANEL ELEVATIONS REFER TO PLAN
3. NOTED REINFORCEMENT REPLACES TYPICAL VERTICAL BARS NOTED IN TYP. PANEL ELEVATIONS, NOT IN ADDITION TO.
4. REF. TO DETAIL 3/S-620 SHEET FOR REINF. LAYOUT

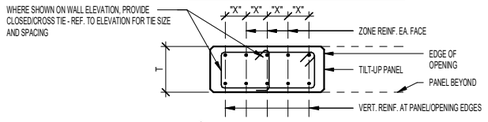
2 VERTICAL WALL REINF. SCHEDULE
NOT TO SCALE



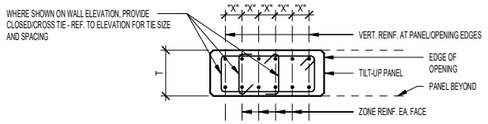
1 ZONE CALLOUT 3 VERT BARS



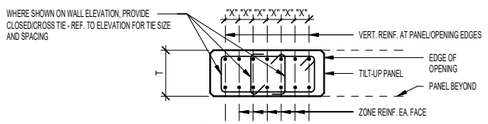
2 ZONE CALLOUT 4 VERT BARS



3 ZONE CALLOUT 5 VERT BARS



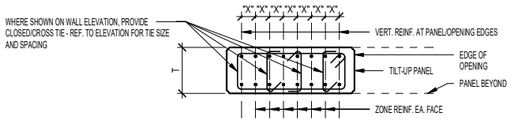
4 ZONE CALLOUT 6 VERT BARS



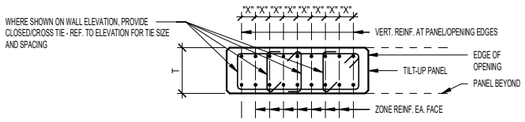
5 ZONE CALLOUT 7 VERT BARS

NOTES:
1. T = PANEL THICKNESS - REF. TO ELEVATION
2. REF. TO 1/S-621 THIS SHEET FOR REQ'D VERT REINF IN ZONES
3. "X" DENOTES VERT. REINF. SPACING
4. CROSS-TIES ARE REQ'D AT EVERY VERT. IF "X" IS GREATER THAN 6"
5. CROSS-TIES SHALL HAVE 135 DEG. HOOK AT ONE END AND STD. 90 DEG. HOOK AT OTHER END
6. CONSECUTIVE CROSS-TIES SHALL BE PLACED SO THAT HOOKS ARE ALTERNATING
7. TIES AND CROSS-TIES SHALL BE #4 @ 12" OC UNO

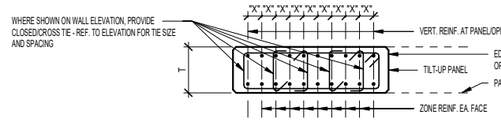
3 TILT-UP PANEL VERT REINFORCMENT BOUNDARY ZONES
NOT TO SCALE



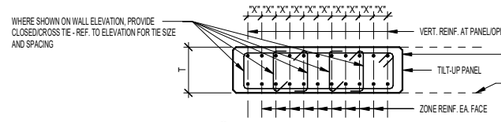
6 ZONE CALLOUT 8 VERT BARS



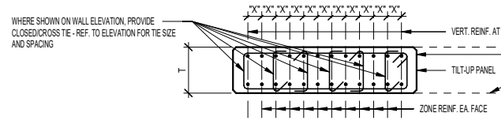
7 ZONE CALLOUT 9 VERT BARS



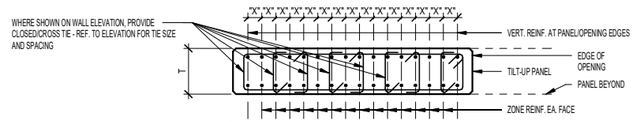
8 ZONE CALLOUT 10 VERT BARS



9 ZONE CALLOUT 11 VERT BARS



10 ZONE CALLOUT 12 VERT BARS



11 ZONE CALLOUT 13 VERT BARS

No.	Date	Issue / Revision

CODY LAMBERT, PE
FL, 100455

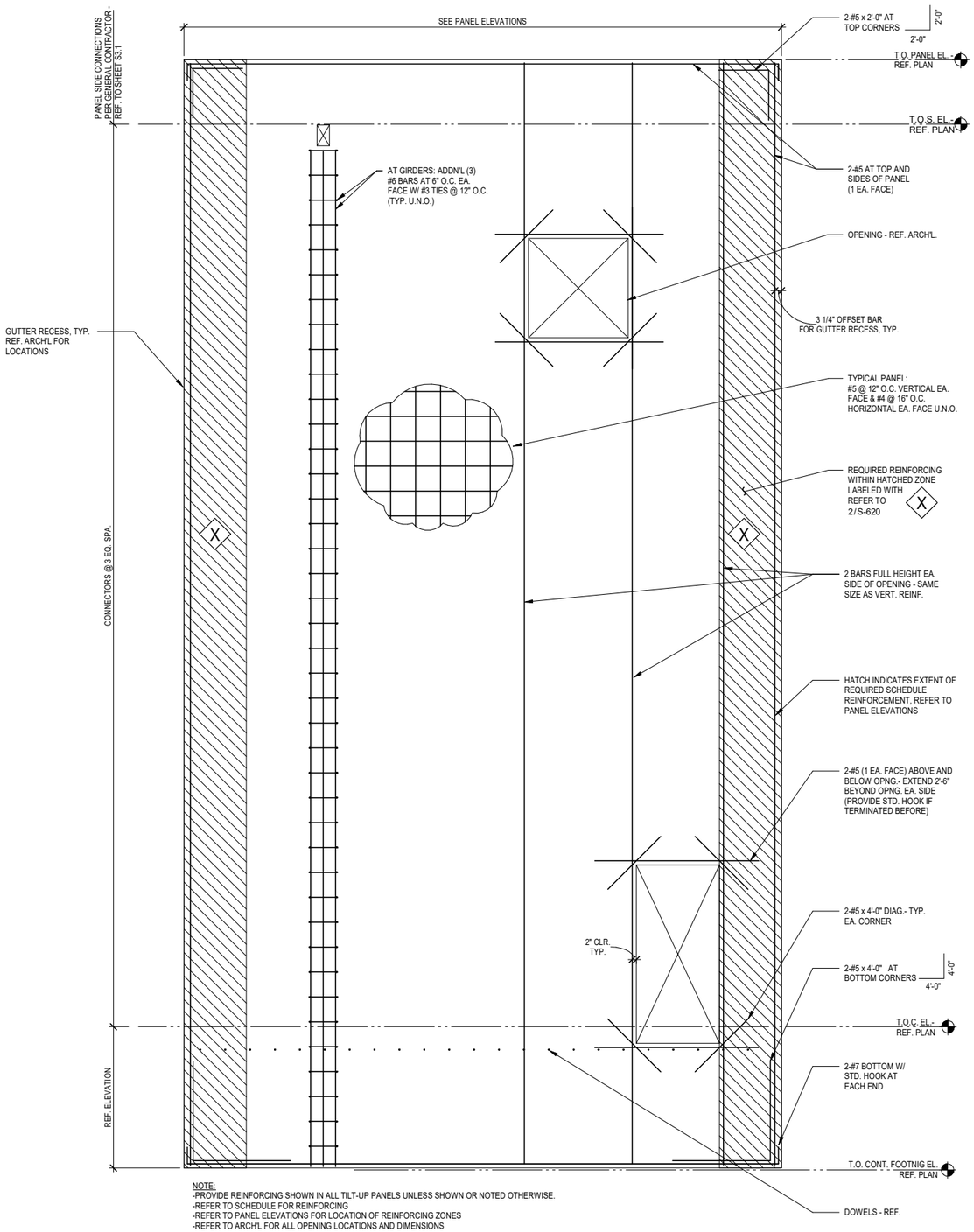
WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607

FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

TYPICAL TILT REINF. WALL ELEVATIONS

DWG NO. S-620
SHEET NO.



NOTE:
-PROVIDE REINFORCING SHOWN IN ALL TILT-UP PANELS UNLESS SHOWN OR NOTED OTHERWISE.
-REFER TO SCHEDULE FOR REINFORCING
-REFER TO PANEL ELEVATIONS FOR LOCATION OF REINFORCING ZONES
-REFER TO ARCH'L FOR ALL OPENING LOCATIONS AND DIMENSIONS

1 TYPICAL TILT-UP WALL PANEL ELEVATION
NOT TO SCALE

No.	Date	Issue / Revision

CODY LAMBERT, PE
FL, 100455

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
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TAMPA, FL 33607

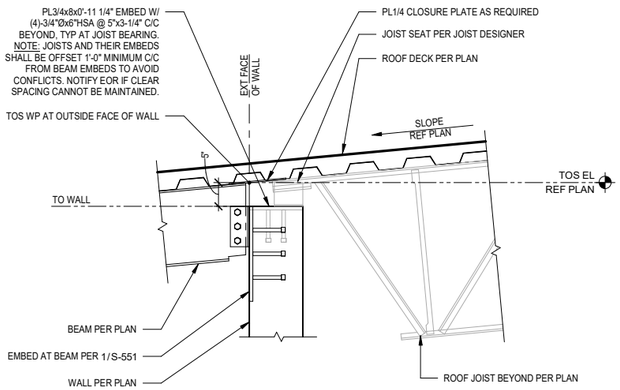
FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

TYPICAL TILT REINF. WALL ELEVATIONS

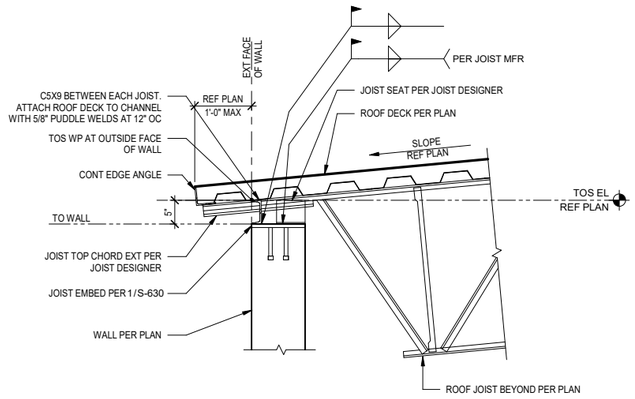
DWG NO. S-621

SHEET NO.



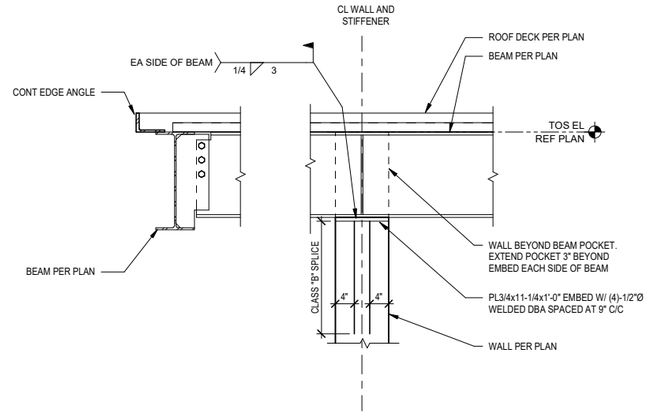
1 DETAIL - ROOF FRAMING ACROSS EXT WALL

SCALE: 3/4" = 1'-0"



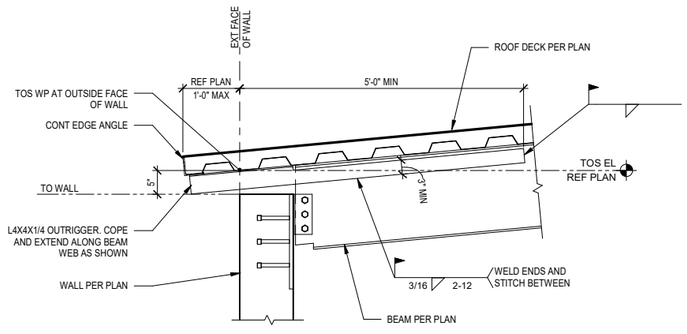
2 DETAIL - ROOF AT EXT WALL

SCALE: 3/4" = 1'-0"



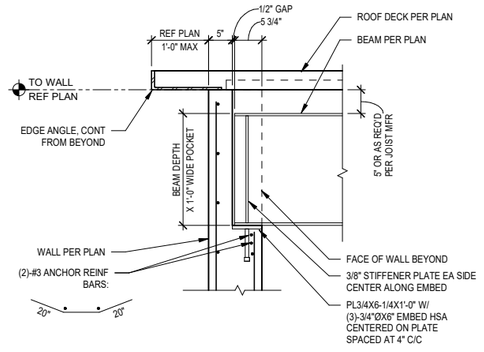
3 DETAIL- GIRDER POCKET AT CANTILEVER

SCALE: 3/4" = 1'-0"



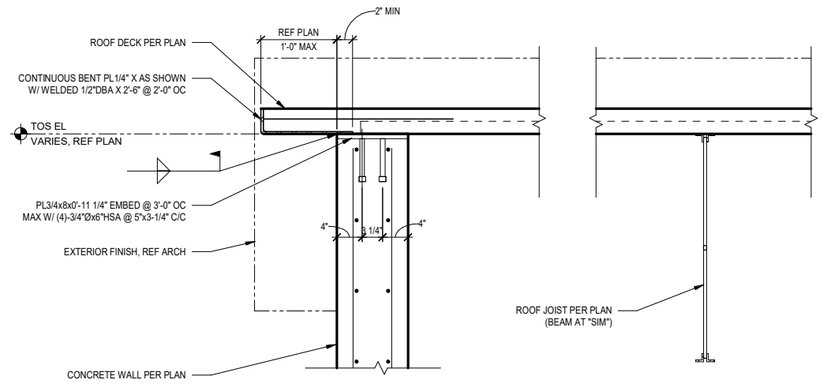
4 DETAIL - BEAM BEARING AT WALL

SCALE: 3/4" = 1'-0"



5 SECTION AT GIRDER POCKET

SCALE: 3/4" = 1'-0"



6 SECTION

SCALE: 1" = 1'-0"

No.	Date	Issue / Revision

CODY LAMBERT, PE
FL, 100455

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
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TAMPA, FL 33607

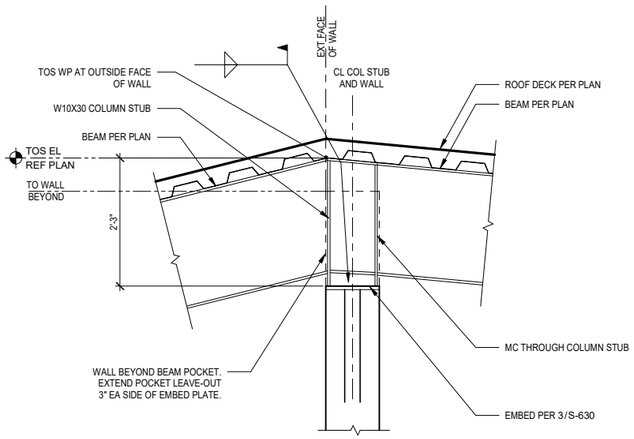
FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

ROOF FRAMING DETAILS

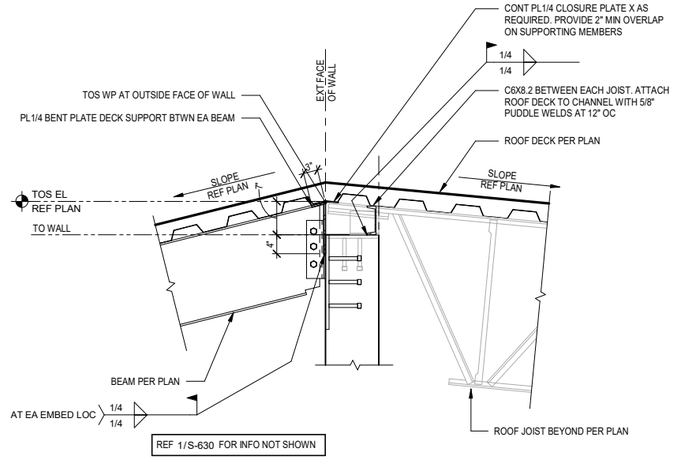
DWG NO. S-630

SHEET NO.



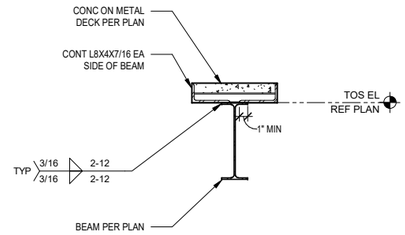
1 DETAIL AT KINKED CONTINUOUS BEAM

SCALE: 3/4" = 1'-0"



2 DETAIL - ROOF FRAMING EA SIDE OF WALL AT HIGH SIDE

SCALE: 3/4" = 1'-0"

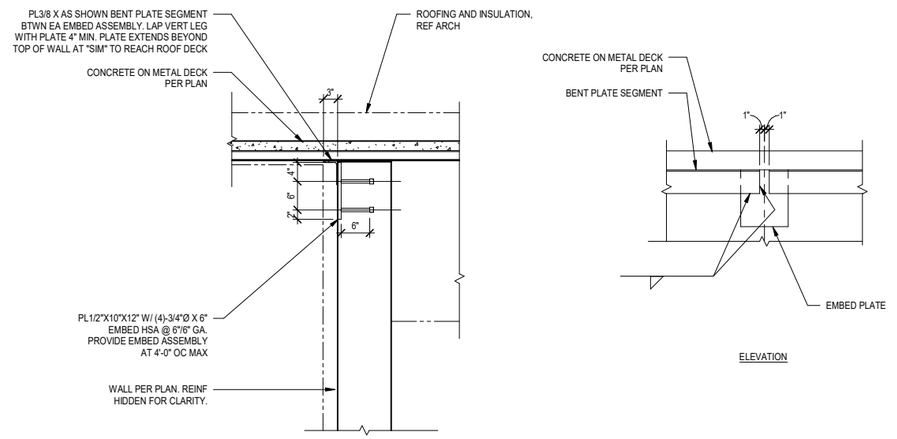


3 SECTION

SCALE: 3/4" = 1'-0"

4 SECTION

SCALE: 3/4" = 1'-0"



5 DETAIL

SCALE: 3/4" = 1'-0"

No.	Date	Issue / Revision

CODY LAMBERT, PE
FL, 100455

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
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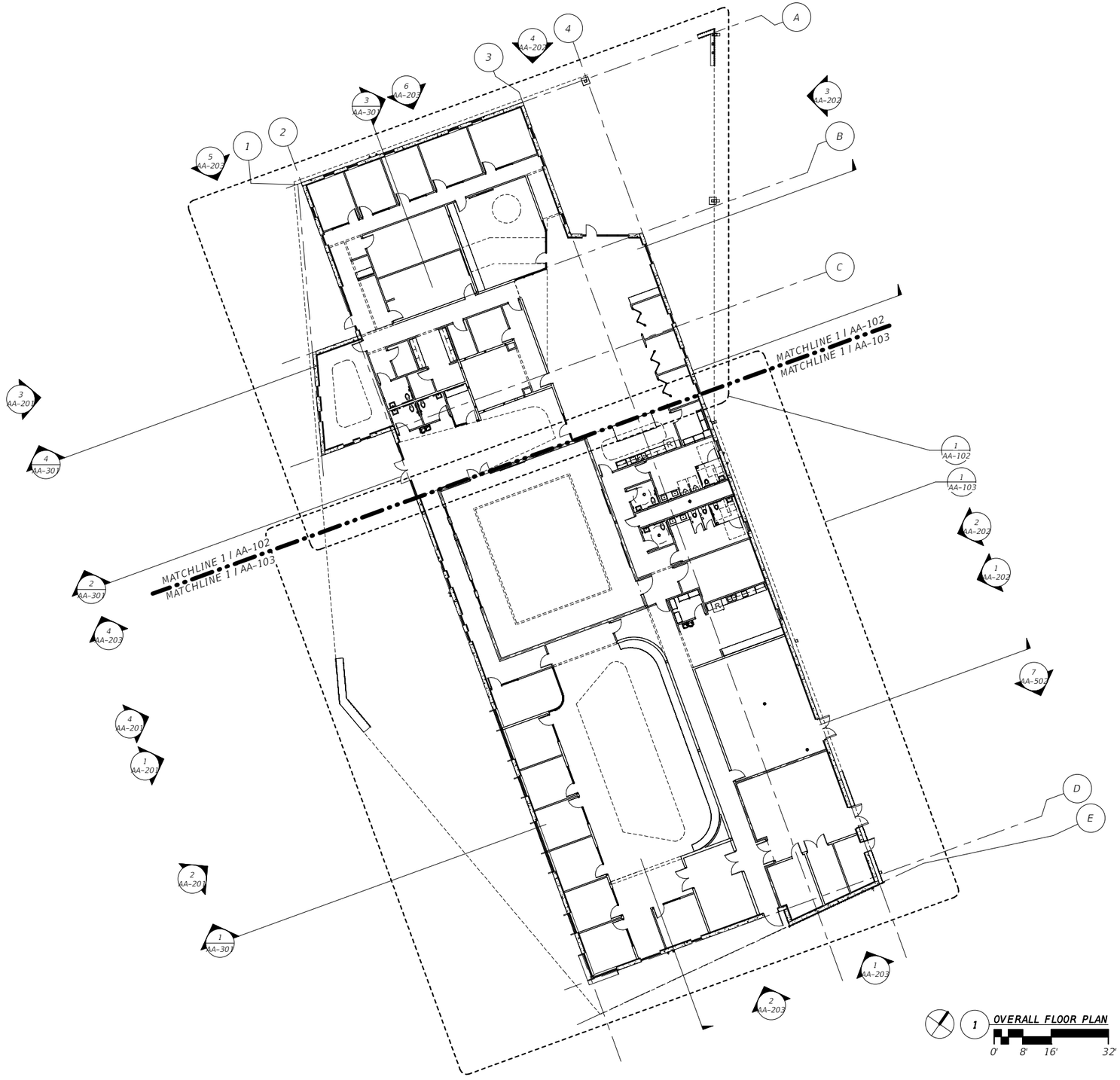
FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

ROOF FRAMING DETAILS

DWG NO. S-631

SHEET NO.



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GENERAL DISCLAIMER: TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARD AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH FBC 110.8.4.4 AND CHAPTER 63, FLORIDA STATUTES.

No.	Date	Issue / Revision

ERIC LUTTMANN, AIA
AR 97111

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607

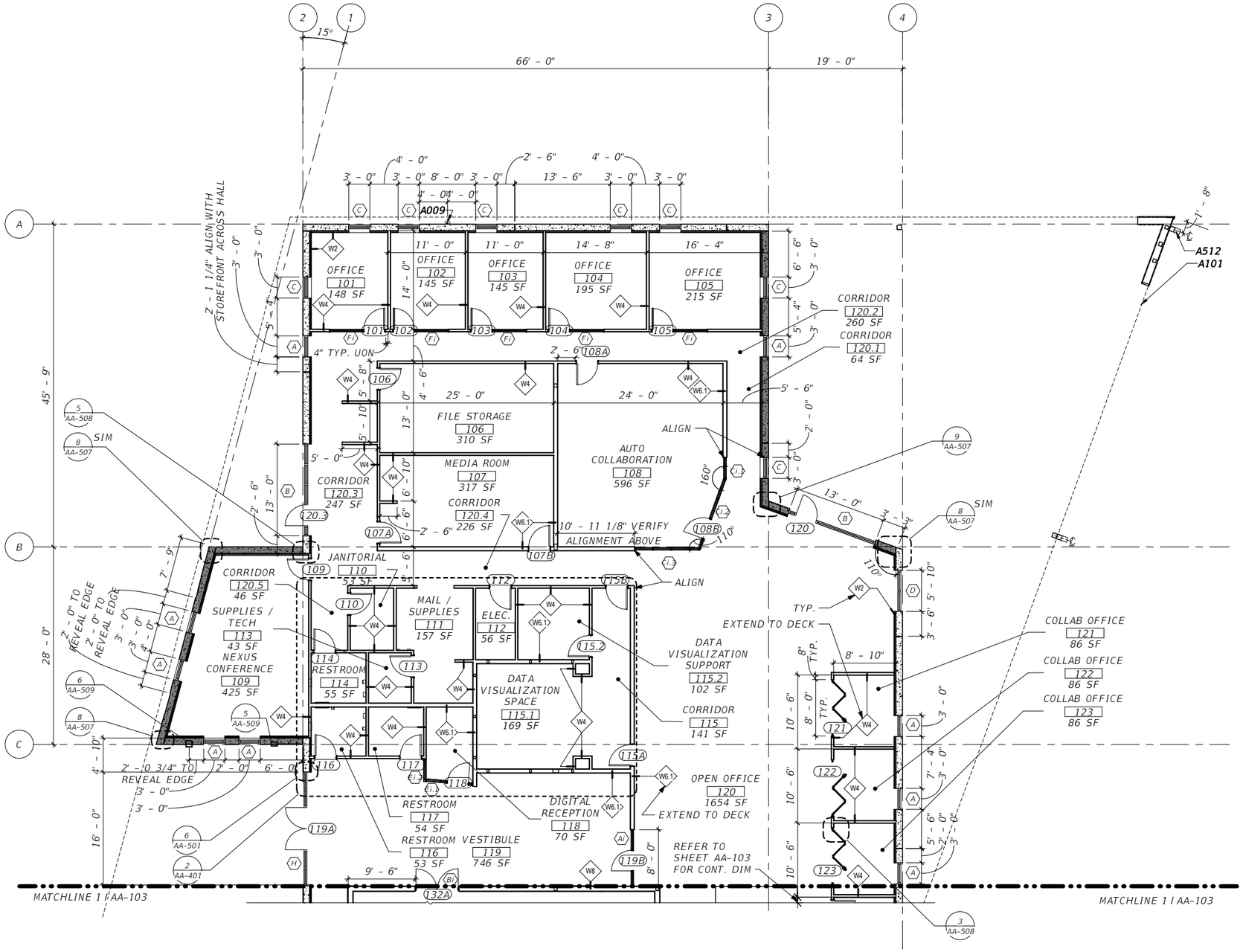
FLORIDA-ALABAMA TPO

ROAD NAME	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

OVERALL FLOOR PLAN

DWG NO. AA-101

SHEET NO.



NOTE: REFER TO STRUCTURAL FOR TILT WALL SIZES

1 FLOOR PLAN NORTH
0' 4' 8' 16'

KEYNOTE LEGEND

NO.	DESCRIPTION
A009	TAMPER PROOF HOSE BIBB WITH VACUUM BREAKER, TYP.
A101	ROOF ABOVE, TYP.
A512	METAL GUTTER AND DOWNSPOUT ASSEMBLY, TYP.

TILT UP PANEL LEGEND

CONCRETE TILT UP PANEL

CONCRETE TILT UP ACCENT PANEL

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No.	Date	Issue / Revision

ERIC LUTTMANN, AIA
AR 97111

WGI, INC.
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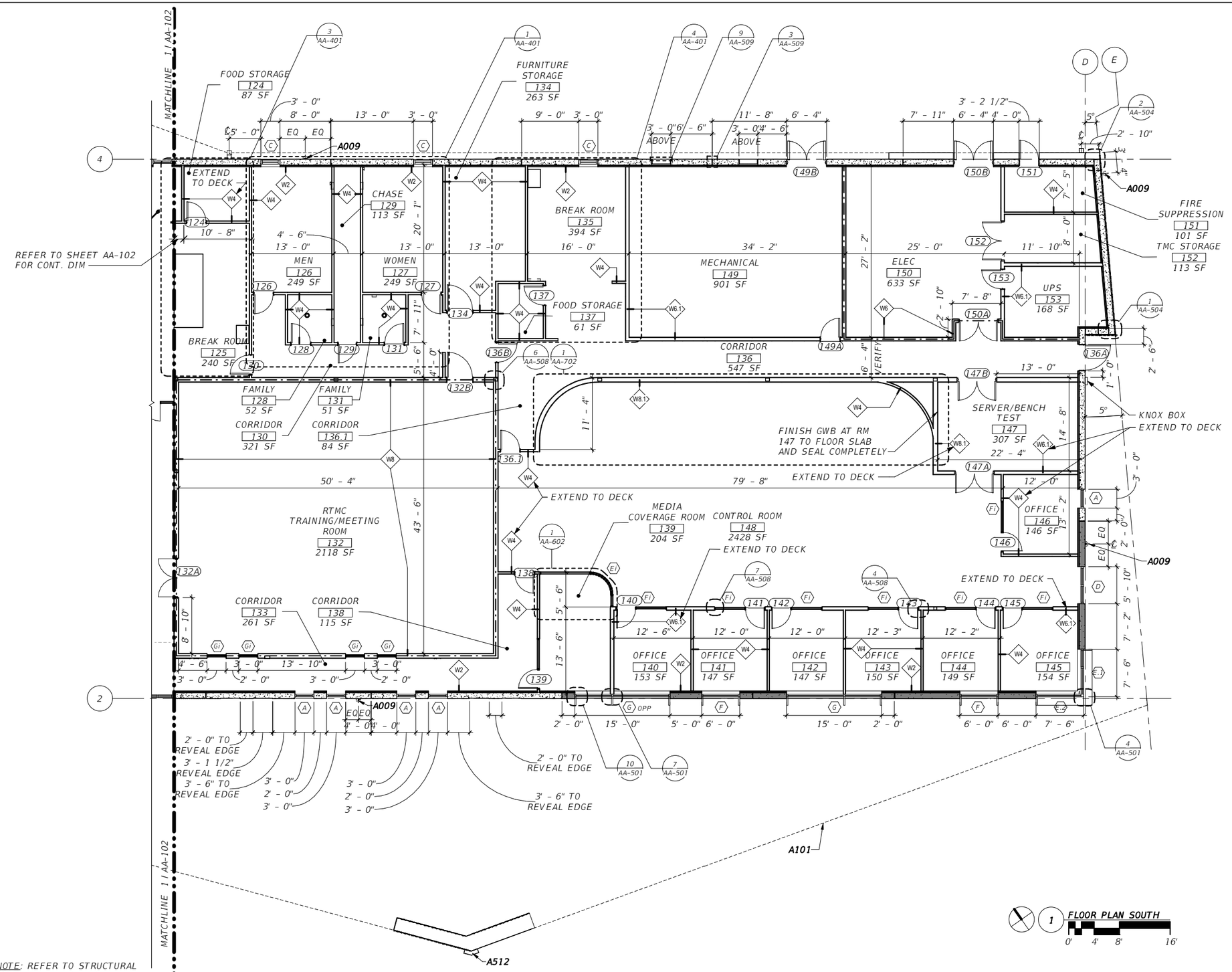
FLORIDA-ALABAMA TPO

ROAD NAME	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

ENLARGED FLOOR PLAN (DIMENSIONS)

DWG NO. AA-102

SHEET NO.



NOTE: REFER TO STRUCTURAL FOR TILT WALL SIZES

KEYNOTE LEGEND

NO.	DESCRIPTION
A009	TAMPER PROOF HOSE BIBB WITH VACUUM BREAKER, TYP.
A101	ROOF ABOVE, TYP.
A512	METAL GUTTER AND DOWNSPOUT ASSEMBLY, TYP.

TILT UP PANEL LEGEND

CONCRETE TILT UP PANEL

CONCRETE TILT UP ACCENT PANEL

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No.	Date	Issue / Revision

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WGI, INC.
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TAMPA, FL 33607

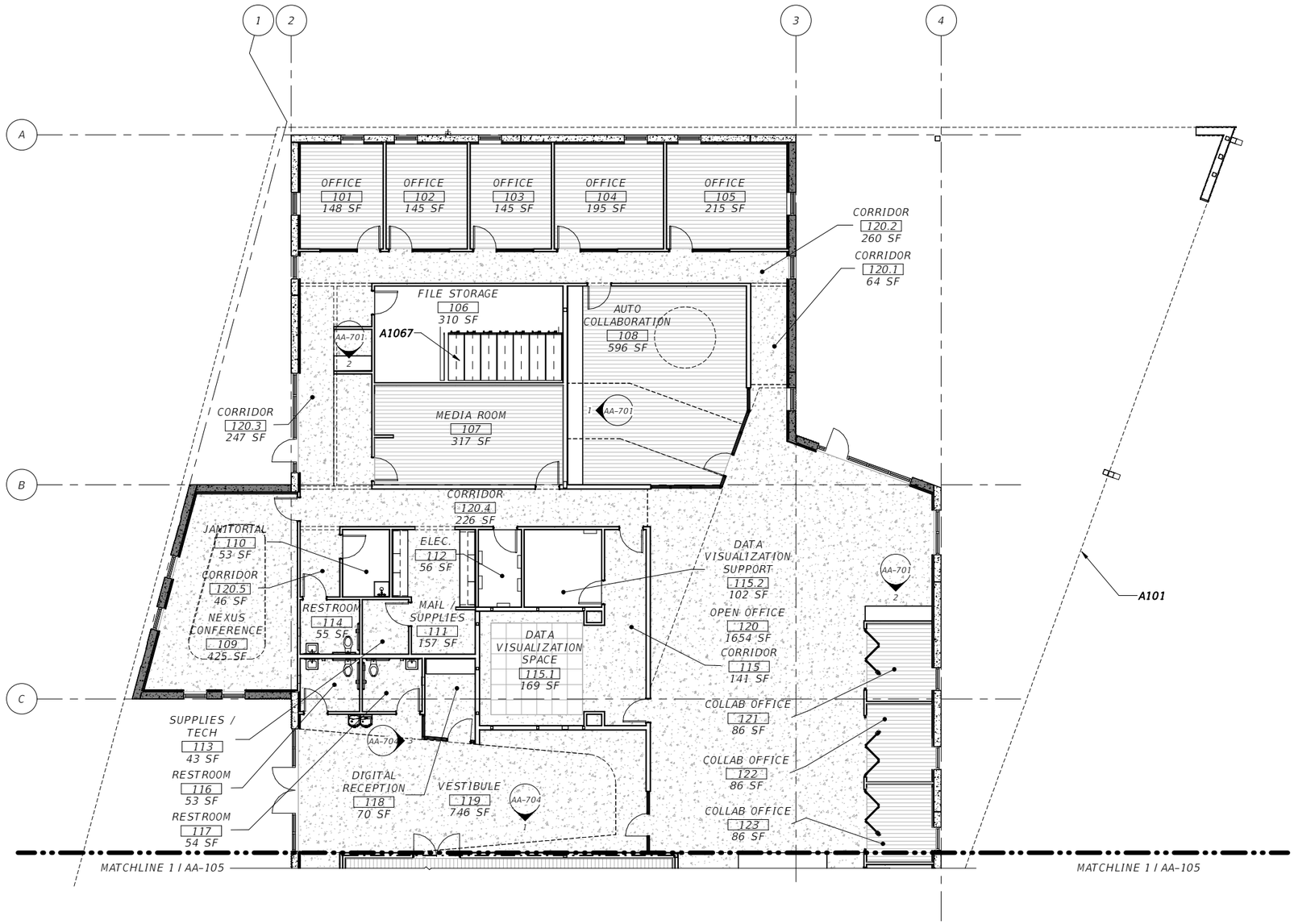
FLORIDA-ALABAMA TPO

ROAD NAME	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

ENLARGED FLOOR PLAN (DIMENSIONS)

DWG NO. AA-103

SHEET NO.



1 FLOOR PLAN NORTH

0' 4' 8' 16'

KEYNOTE LEGEND

NO.	DESCRIPTION
A101	ROOF ABOVE, TYP.
A1067	MOVABLE STORAGE SHELVES, CFCI

TILT UP PANEL LEGEND

- CONCRETE TILT UP PANEL
- CONCRETE TILT UP ACCENT PANEL

FINISH LEGEND

- POLISHED CONCRETE
- CLEAR SEALED CONCRETE
- CARPET TILE
- RAISED FLOORING SYSTEM

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No.	Date	Issue / Revision

ERIC LUTTMANN, AIA
AR 97111

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607

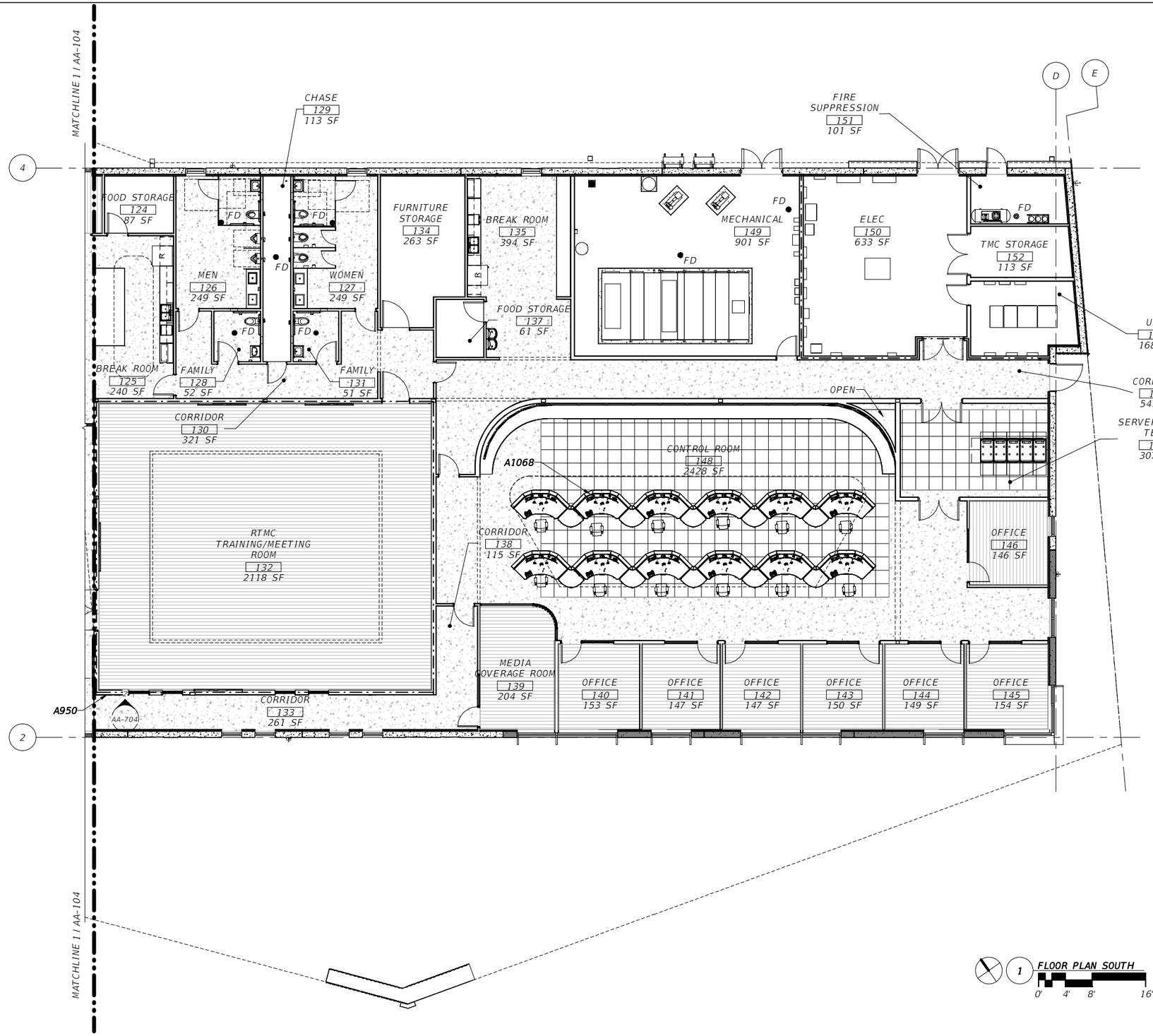
FLORIDA-ALABAMA TPO

ROAD NAME	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

ENLARGED FLOOR PLAN (FINISH)

DWG NO. AA-104

SHEET NO.



KEYNOTE LEGEND

NO.	DESCRIPTION
A950	ALL FIRE RATED WALLS SHALL BE COPED NEATLY TO DECK, FIRE CAULKED & SEALED AS REQUIRED PER APPROVED UL ASSEMBLY DETAIL REQUIREMENTS AS BASIS OF DESIGN, TYP.
A1068	CONTROL ROOM FURNITURE, CFCI

TILT UP PANEL LEGEND

- CONCRETE TILT UP PANEL
- CONCRETE TILT UP ACCENT PANEL

FINISH LEGEND

- POLISHED CONCRETE
- CLEAR SEALED CONCRETE
- CARPET TILE
- RAISED FLOORING SYSTEM

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No.	Date	Issue / Revision

ERIC LUTTMANN, AIA
AR 97111

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607

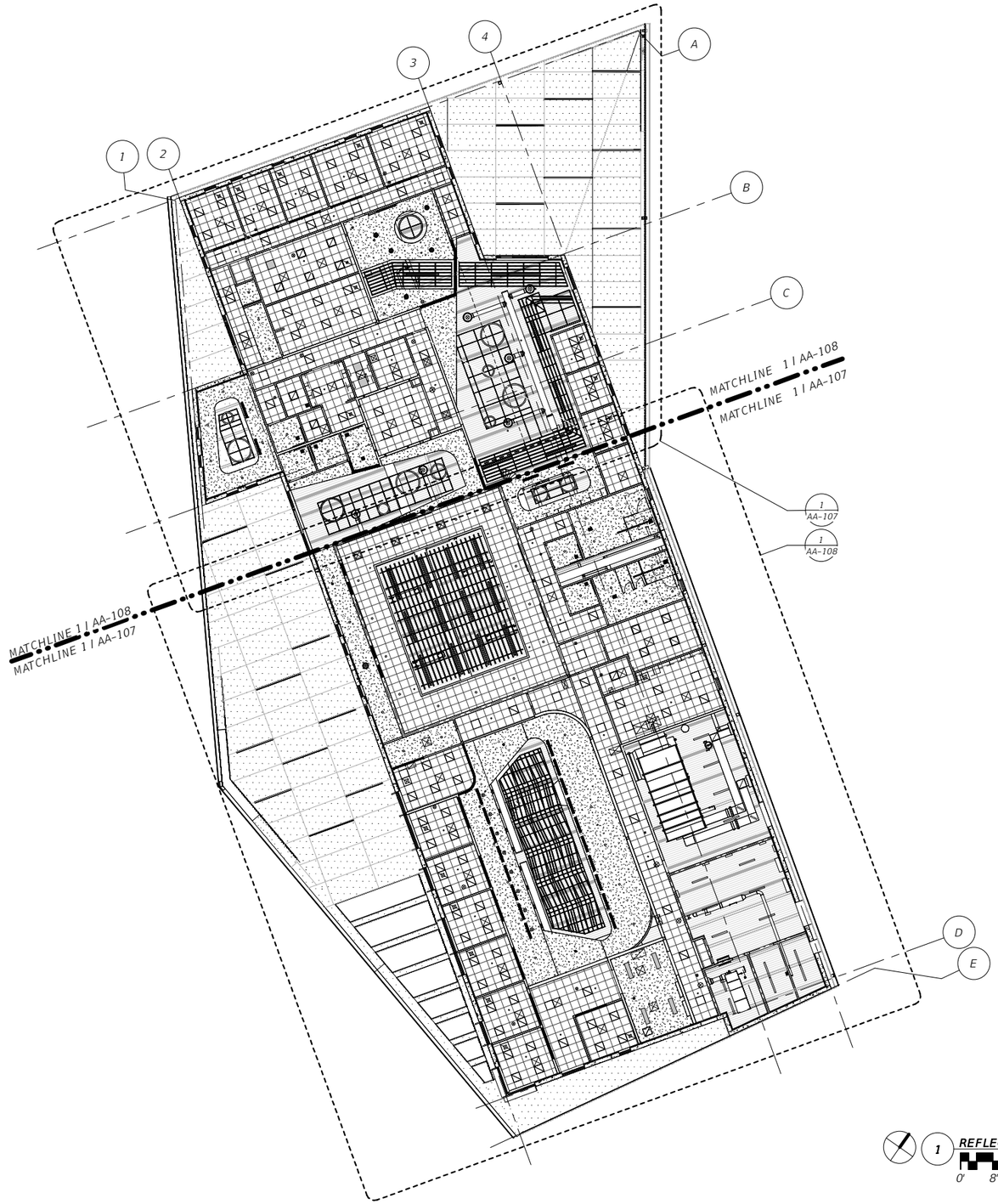
FLORIDA-ALABAMA TPO

ROAD NAME	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

ENLARGED FLOOR PLAN (FINISH)

DWG NO. AA-105

SHEET NO.



1 REFLECTED CEILING PLAN

0' 8' 16' 32'

REFLECTED CEILING PLAN LEGEND	
	ACOUSTIC BAFFLE SYSTEM
	2'x2' SUSPENDED CEILING GRID AND ACOUSTICAL PANEL. HEIGHT 10'- 1", UON.
	OPEN TO STRUCTURE
	GYPSUM BOARD CEILING HEIGHT 10'- 0", UON.
	STUCCO CEILING

MEP REFLECTED CEILING PLAN LEGEND	
	OCCUPANCY SENSOR
	EXIT SIGN
	AIR DEVICES
	LOUVER
	DIFFUSER
	RETURN
	RECESSED LIGHT
	EMERGENCY RECESSED LIGHT
	LINEAR LIGHT FIXTURE
	CIRCULAR LIGHT FIXTURE

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No.	Date	Issue / Revision

ERIC LUTTMANN, AIA
AR 97111

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607

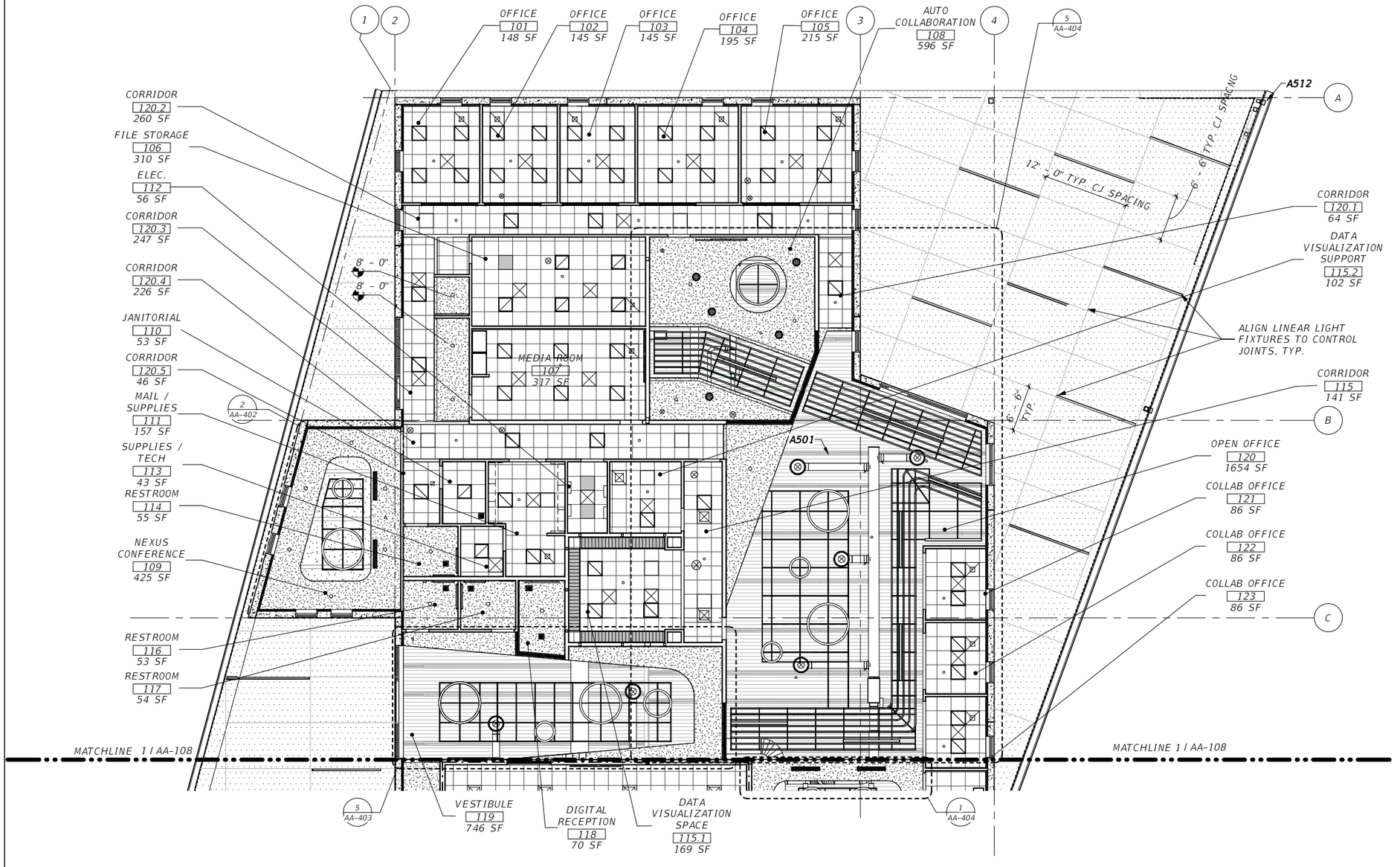
FLORIDA-ALABAMA TPO

ROAD NAME	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

OVERALL REFLECTED CEILING PLAN

DWG NO. AA-106

SHEET NO.



1 ENLARGED REFLECTED CEILING PLAN

0' 4' 8' 16'

KEYNOTE LEGEND

NO.	DESCRIPTION
A501	ARCHITECTURAL EXPOSED STRUCTURAL STEEL FRAMING
A512	METAL GUTTER AND DOWNSPOUT ASSEMBLY, TYP.

REFLECTED CEILING PLAN LEGEND	MEP REFLECTED CEILING PLAN LEGEND
ACOUSTIC BAFFLE SYSTEM	OCCUPANCY SENSOR
2'x2' SUSPENDED CEILING GRID AND ACOUSTICAL PANEL. HEIGHT 10'- 1", UON.	EXIT SIGN
OPEN TO STRUCTURE	AIR DEVICES
GYPSUM BOARD CEILING HEIGHT 10'- 0", UON.	LOUVER
STUCCO CEILING	DIFFUSER
	RETURN
	RECESSED LIGHT
	EMERGENCY RECESSED LIGHT
	LINEAR LIGHT FIXTURE
	CIRCULAR LIGHT FIXTURE

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No.	Date	Issue / Revision

ERIC LUTTMANN, AIA
AR 97111

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607

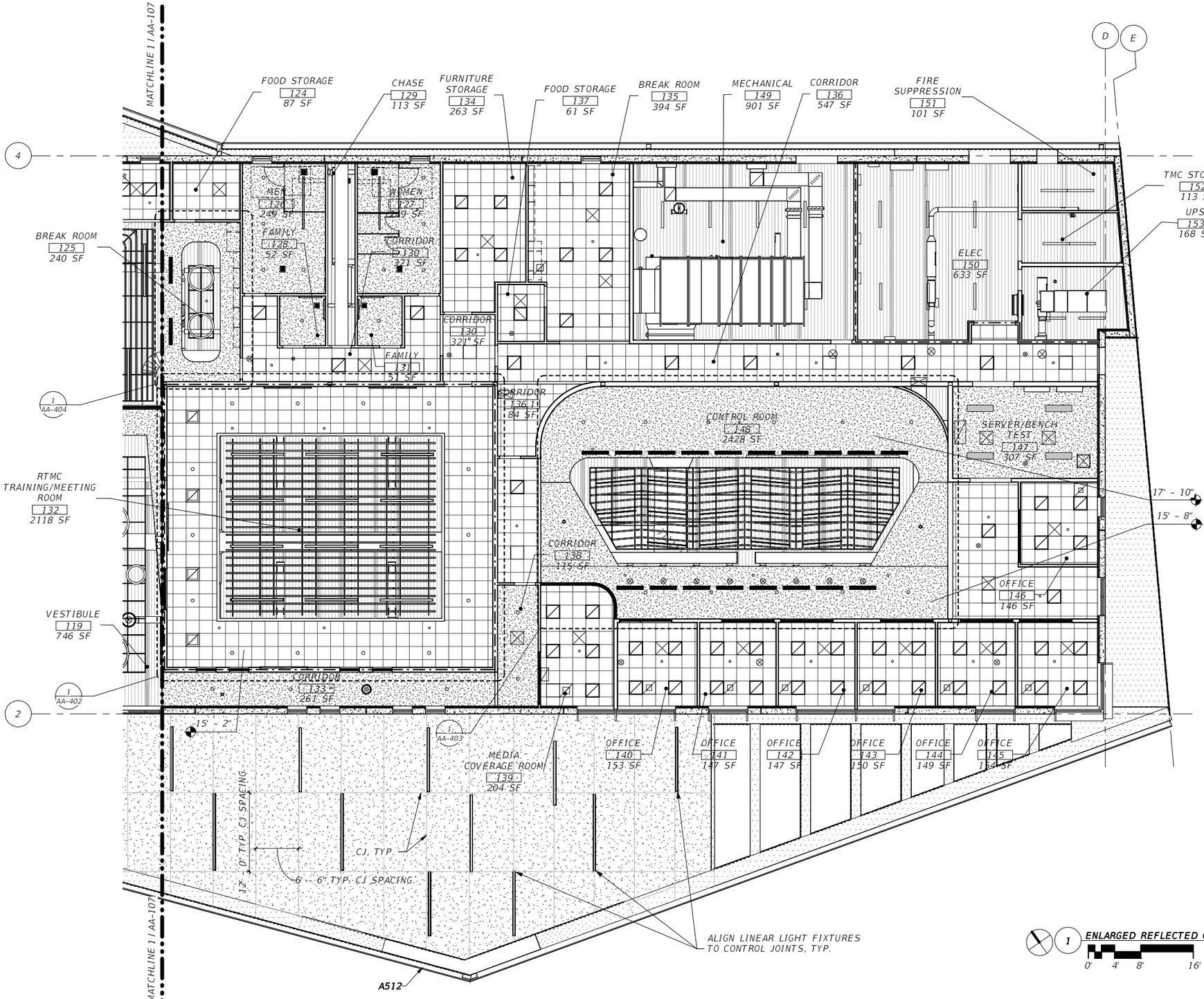
FLORIDA-ALABAMA TPO

ROAD NAME	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

ENLARGED FIRST FLOOR REFLECTED CEILING PLAN

DWG NO. AA-107

SHEET NO.



1 ENLARGED REFLECTED CEILING PLAN

0' 4' 8' 16'

KEYNOTE LEGEND

NO.	DESCRIPTION
A512	METAL GUTTER AND DOWNSPOUT ASSEMBLY, TYP.

REFLECTED CEILING PLAN LEGEND

- ACOUSTIC BAFFLE SYSTEM
- 2'x2' SUSPENDED CEILING GRID AND ACOUSTICAL PANEL. HEIGHT 10'- 1", UON.
- OPEN TO STRUCTURE
- GYPSUM BOARD CEILING HEIGHT 10'- 0", UON.
- STUCCO CEILING

MEP REFLECTED CEILING PLAN LEGEND

- OCCUPANCY SENSOR
- EXIT SIGN
- AIR DEVICES
- LOUVER
- DIFFUSER
- RETURN
- RECESSED LIGHT
- EMERGENCY RECESSED LIGHT
- LINEAR LIGHT FIXTURE
- CIRCULAR LIGHT FIXTURE

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No.	Date	Issue / Revision

ERIC LUTTMANN, AIA
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WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607

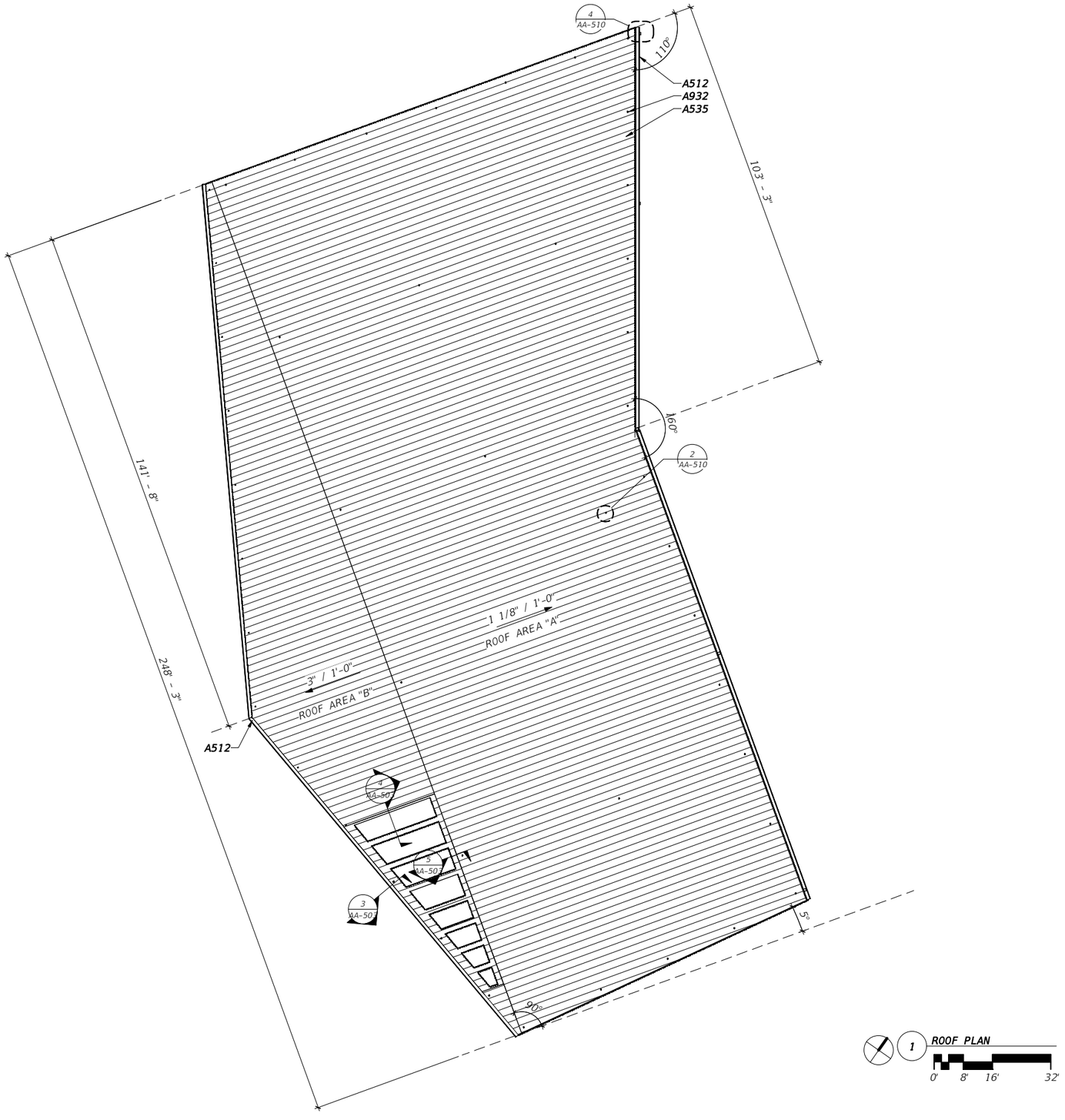
FLORIDA-ALABAMA TPO

ROAD NAME	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

ENLARGED FIRST FLOOR REFLECTED CEILING PLAN

DWG NO. AA-108

SHEET NO.



1 ROOF PLAN

0' 8' 16' 32'

KEYNOTE LEGEND

NO.	DESCRIPTION
A512	METAL GUTTER AND DOWNSPOUT ASSEMBLY, TYP.
A535	STANDING SEAM METAL ROOFING SYSTEM WITH CONCEALED FASTENERS ON APPROVED 40 MIL PEEL & STICK UNDERLAYMENT ON APA RATED INSULATION/ PLYWOOD COMPOSITE SUBSTRATE, TYP.
A932	LIGHTNING PROTECTION SYSTEM, REFER TO ELECTRICAL, TYP.

ROOF PLAN NOTES:

1. ROOF AREA DRAINAGE CALCULATIONS BASED ON SHEET METAL & AIR CONDITIONING CONTRACTORS' NATIONAL ASSOCIATION (SMACNA) DOWNSPOUT & GUTTER SIZING CALCULATOR:
   - *100 YEAR STORM (RAINFALL INTENSITY OF 10.8 IN/HR FOR RAINFALL AVERAGES IN TAMPA)

ROOF DESIGN AREA "A":
TOTAL AREA = 23,035 SF
- *GUTTER LENGTH SERVING DESIGN AREA = 240'-0"
- *8.5" X 11" GUTTER REQUIRED PER SMACNA
- *9" x 12" GUTTER PROVIDED
- *8" ROUND DOWNSPOUTS REQUIRED (5 TOTAL)
- *10" x 10" DOWNSPOUTS PROVIDED (5 TOTAL)

ROOF DESIGN AREA "B":
TOTAL AREA = 4,480 SF
- *GUTTER LENGTH SERVING DESIGN AREA = 261'-0"
- *4.5" X 6" GUTTER REQUIRED PER SMACNA
- *6" x 10" GUTTER PROVIDED
- *3" x 4" RECTANGULAR DOWNSPOUTS REQUIRED (6 TOTAL)
  6 x 12 SQIN = 72 SQIN TOTAL REQUIRED
- *8" x 12" DOWNSPOUT PROVIDED (2 TOTAL) = 192 SQIN

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No.	Date	Issue / Revision

ERIC LUTTMANN, AIA
AR 97111

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607

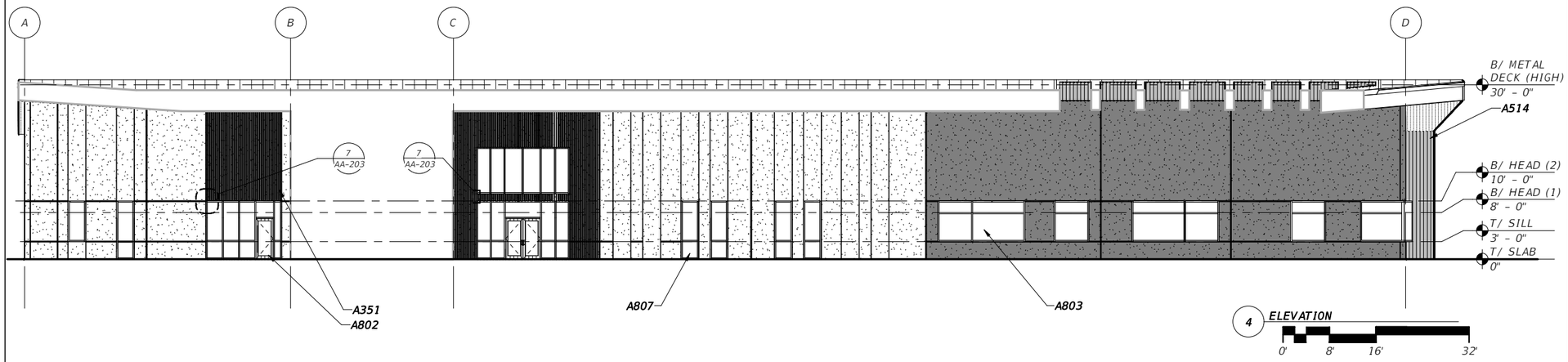
FLORIDA-ALABAMA TPO

ROAD NAME	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

ROOF PLAN

DWG NO. AA-109

SHEET NO.

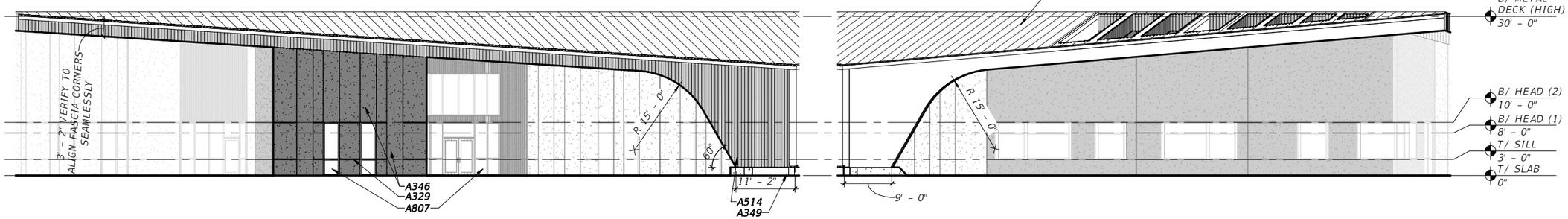


4 ELEVATION

0' 8' 16' 32'

KEYNOTE LEGEND

NO.	DESCRIPTION
A329	CONCRETE REVEAL, TYP. REFER TO REVEAL PROFILE DETAILS FOR ADDITIONAL INFORMATION
A346	LARGE CONCRETE REVEAL. ALIGN TO OPENING WHEN APPLICABLE, REFER TO REVEAL PROFILE DETAILS FOR ADDITIONAL INFORMATION
A349	CAST IN PLACE CONCRETE BENCH, REFER TO 3/AC-113
A351	CONCRETE FORMLINER
A514	ALUMINUM WALL PANEL SYSTEM INSTALLED PER MFR INSTRUCTIONS, TYP.
A535	STANDING SEAM METAL ROOFING SYSTEM WITH CONCEALED FASTENERS ON APPROVED 40 MIL PEEL & STICK UNDERLAYMENT ON APA RATED INSULATION/ PLYWOOD COMPOSITE SUBSTRATE, TYP.
A802	ALUMINUM STOREFRONT DOOR
A803	ALUMINUM STOREFRONT SYSTEM
A807	INTERIOR STOREFRONT SYSTEM, TYP

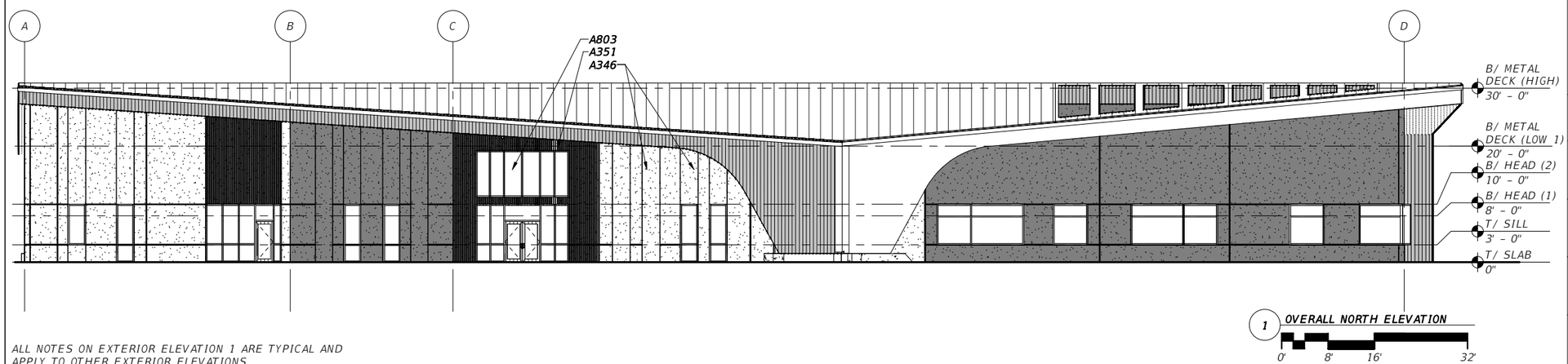


3 ELEVATION

0' 8' 16' 32'

2 ELEVATION

0' 8' 16' 32'



1 OVERALL NORTH ELEVATION

0' 8' 16' 32'

ALL NOTES ON EXTERIOR ELEVATION 1 ARE TYPICAL AND APPLY TO OTHER EXTERIOR ELEVATIONS

FINISH LEGEND

- METAL PANEL SYSTEM
- CONCRETE TILT UP PANEL
- CONCRETE TILT ACCENT
- FORMLINER

No.	Date	Issue / Revision

ERIC LUTTMANN, AIA
AR 97111

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607

FLORIDA-ALABAMA TPO

ROAD NAME	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

EXTERIOR ELEVATIONS (1)

DWG NO. AA-201

SHEET NO.

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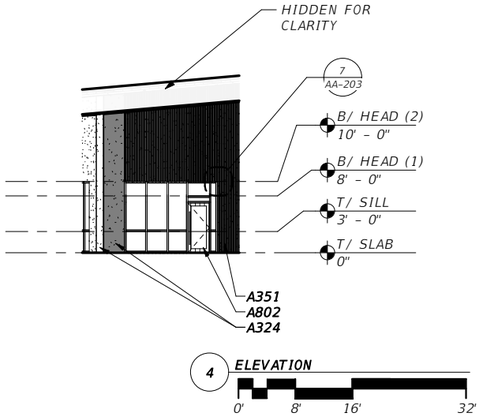
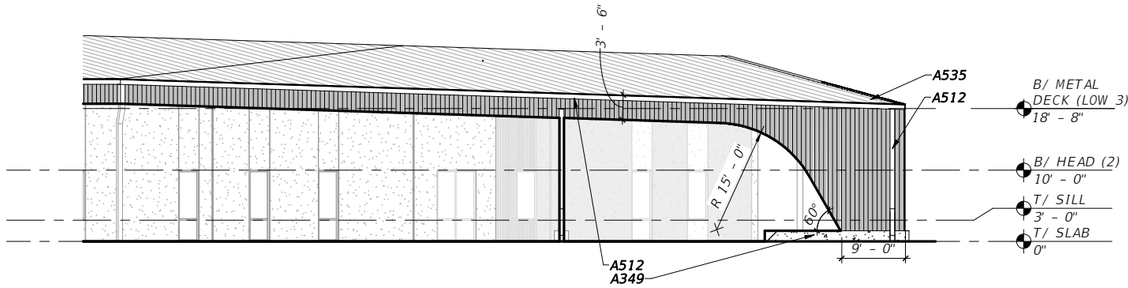


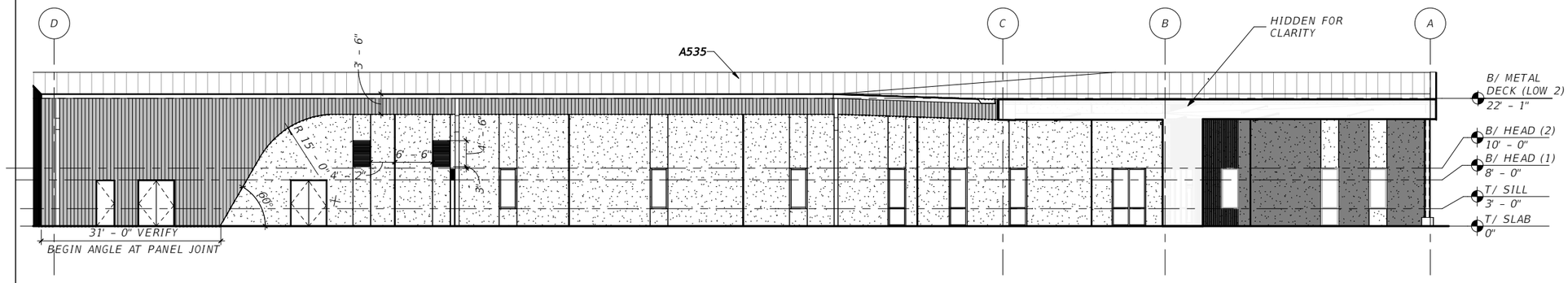
4 ELEVATION

0' 8' 16' 32'



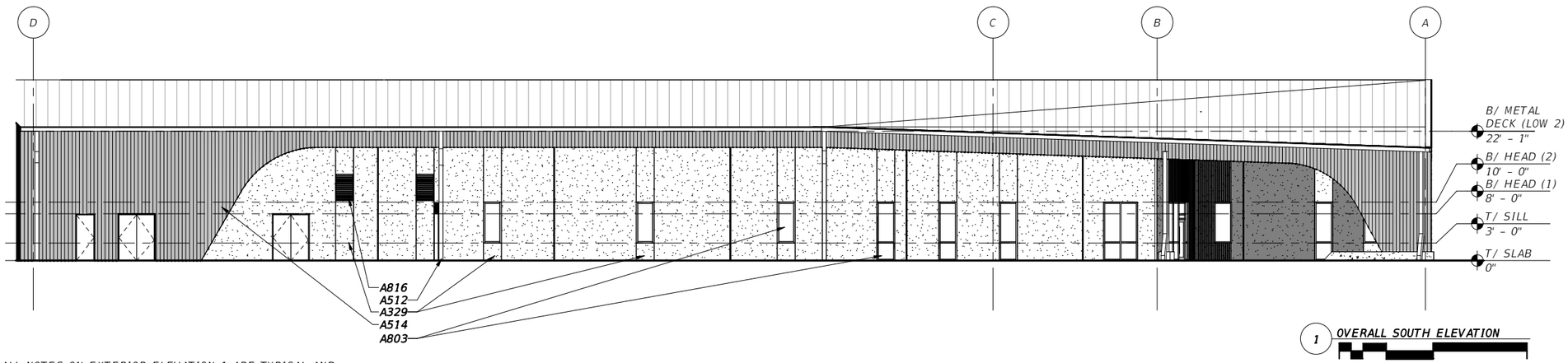
3 ELEVATION

0' 8' 16' 32'



2 ELEVATION

0' 8' 16' 32'



1 OVERALL SOUTH ELEVATION

0' 8' 16' 32'

ALL NOTES ON EXTERIOR ELEVATION 1 ARE TYPICAL AND APPLY TO OTHER EXTERIOR ELEVATIONS

KEYNOTE LEGEND

NO.	DESCRIPTION
A324	CONCRETE TILT UP PANEL, TYP.
A329	CONCRETE REVEAL, TYP. REFER TO REVEAL PROFILE DETAILS FOR ADDITIONAL INFORMATION
A349	CAST IN PLACE CONCRETE BENCH, REFER TO 3/AC-113
A351	CONCRETE FORMLINER
A512	METAL GUTTER AND DOWNSPOUT ASSEMBLY, TYP.
A514	ALUMINUM WALL PANEL SYSTEM INSTALLED PER MFR INSTRUCTIONS, TYP.
A535	STANDING SEAM METAL ROOFING SYSTEM WITH CONCEALED FASTENERS ON APPROVED 40 MIL PEEL & STICK UNDERLAYMENT ON APA RATED INSULATION/ PLYWOOD COMPOSITE SUBSTRATE, TYP.
A802	ALUMINUM STOREFRONT DOOR
A803	ALUMINUM STOREFRONT SYSTEM
A816	MECHANICAL LOUVER

FINISH LEGEND

- METAL PANEL SYSTEM
- CONCRETE TILT UP PANEL
- CONCRETE TILT ACCENT
- FORMLINER

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No.	Date	Issue / Revision

ERIC LUTTMANN, AIA
AR 97111

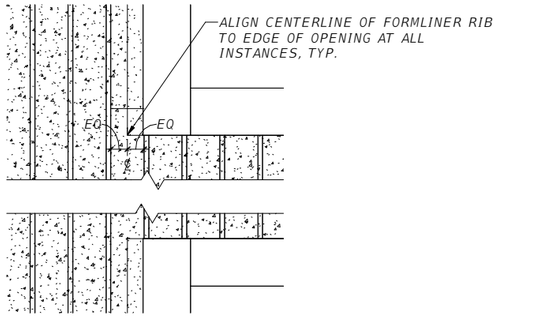
WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607

FLORIDA-ALABAMA TPO

ROAD NAME	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

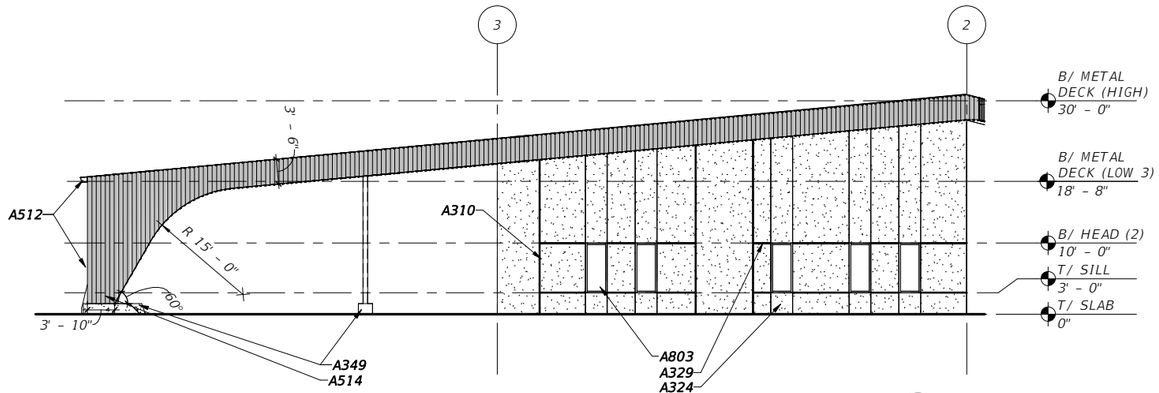
EXTERIOR ELEVATIONS (2)

DWG NO.
AA-202
SHEET NO.



7 FORMLINER ENLARGEMENT

0' 3" 6" 1'

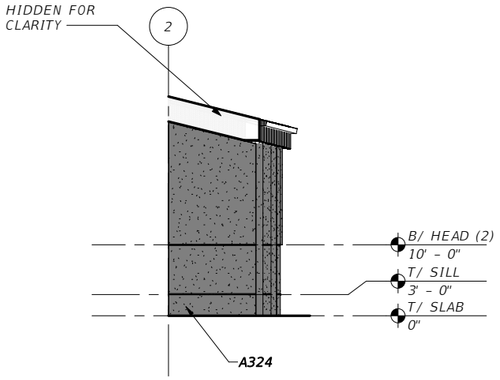


6 ELEVATION

0' 8' 16' 32'

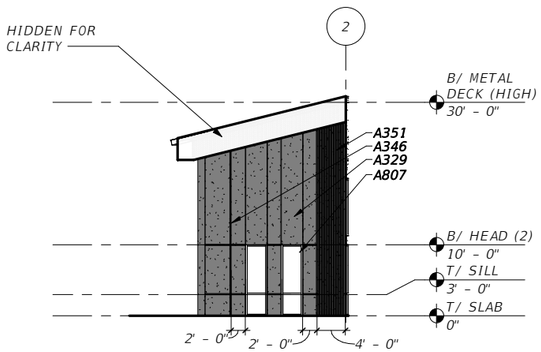
KEYNOTE LEGEND

NO.	DESCRIPTION
A310	TILT-UP PANEL JOINT WITH BACKER ROD & SEALANT CONT. ALL AROUND, TYP.
A324	CONCRETE TILT UP PANEL, TYP.
A329	CONCRETE REVEAL, TYP. REFER TO REVEAL PROFILE DETAILS FOR ADDITIONAL INFORMATION
A346	LARGE CONCRETE REVEAL. ALIGN TO OPENING WHEN APPLICABLE, REFER TO REVEAL PROFILE DETAILS FOR ADDITIONAL INFORMATION
A349	CAST IN PLACE CONCRETE BENCH, REFER TO 3/AC-113
A351	CONCRETE FORMLINER
A512	METAL GUTTER AND DOWNSPOUT ASSEMBLY, TYP.
A514	ALUMINUM WALL PANEL SYSTEM INSTALLED PER MFR INSTRUCTIONS, TYP.
A801	HOLLOW METAL DOOR & FULLY GROUTED FRAME
A803	ALUMINUM STOREFRONT SYSTEM
A807	INTERIOR STOREFRONT SYSTEM, TYP



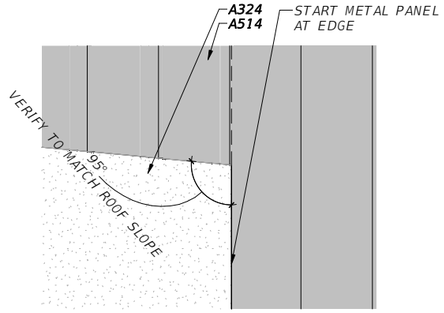
5 ELEVATION

0' 8' 16' 32'



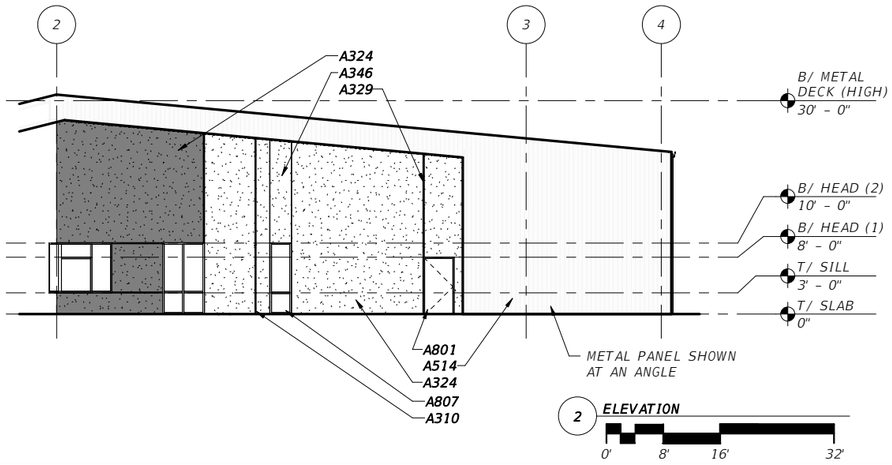
4 ELEVATION

0' 8' 16' 32'



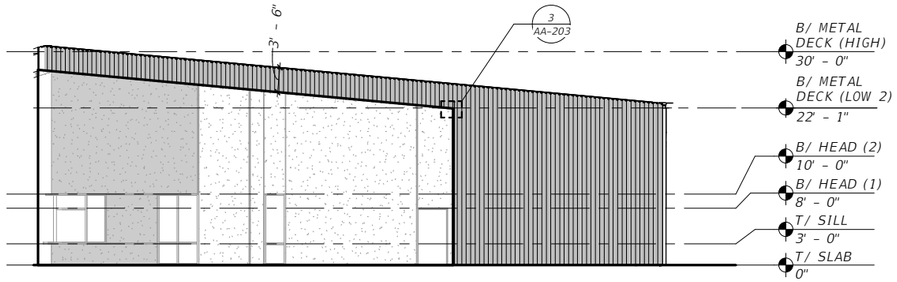
3 ELEVATION

0' 6" 1' 2'



2 ELEVATION

0' 8' 16' 32'



ALL NOTES ON EXTERIOR ELEVATION 1 ARE TYPICAL AND APPLY TO OTHER EXTERIOR ELEVATIONS

1 ELEVATION

0' 8' 16' 32'

FINISH LEGEND

- METAL PANEL SYSTEM
- CONCRETE TILT UP PANEL
- CONCRETE TILT ACCENT
- FORMLINER

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No.	Date	Issue / Revision

ERIC LUTTMANN, AIA
AR 97111

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607

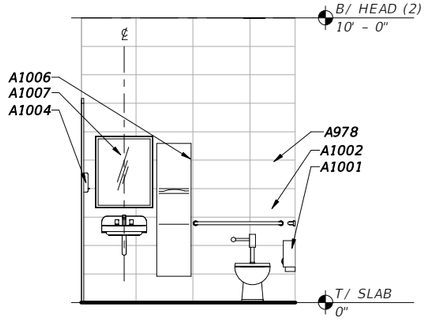
FLORIDA-ALABAMA TPO

ROAD NAME	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

EXTERIOR ELEVATIONS (3)

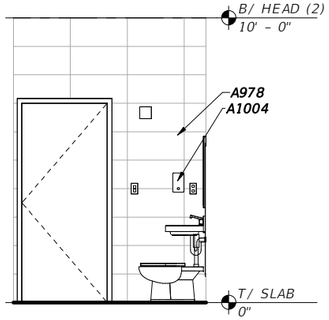
DWG NO. AA-203

SHEET NO.



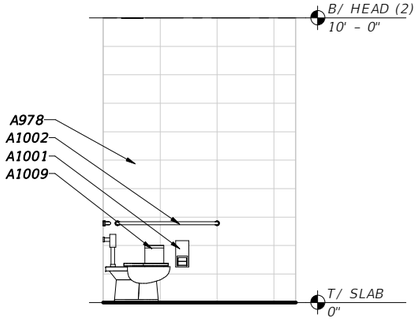
8 RESTROOM

0' 2' 4' 8'



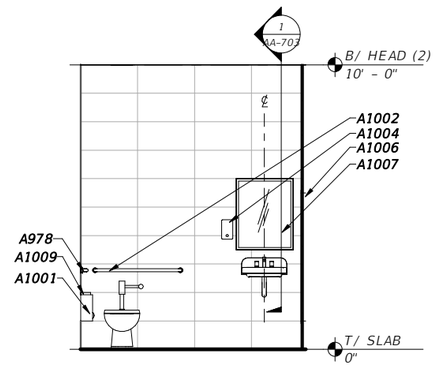
7 RESTROOM

0' 2' 4' 8'



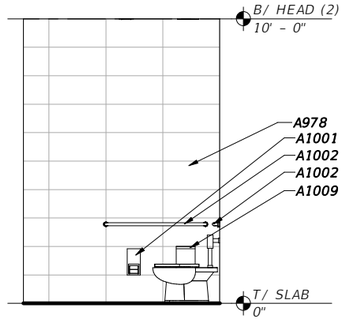
6 RESTROOM

0' 2' 4' 8'



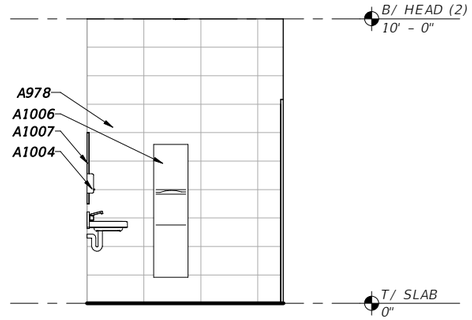
5 RESTROOM

0' 2' 4' 8'



4 RESTROOM

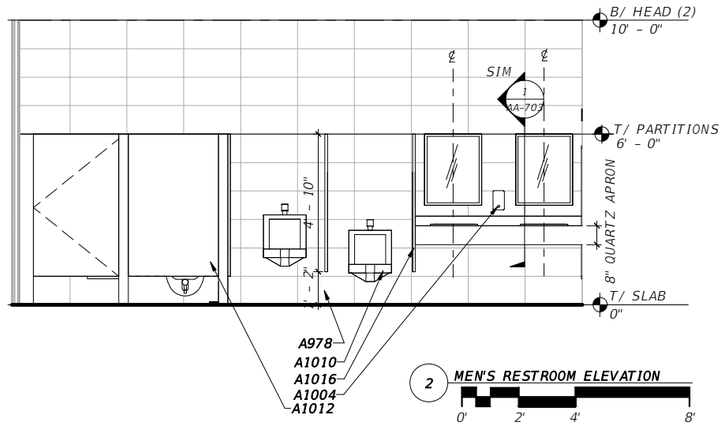
0' 2' 4' 8'



3 RESTROOM

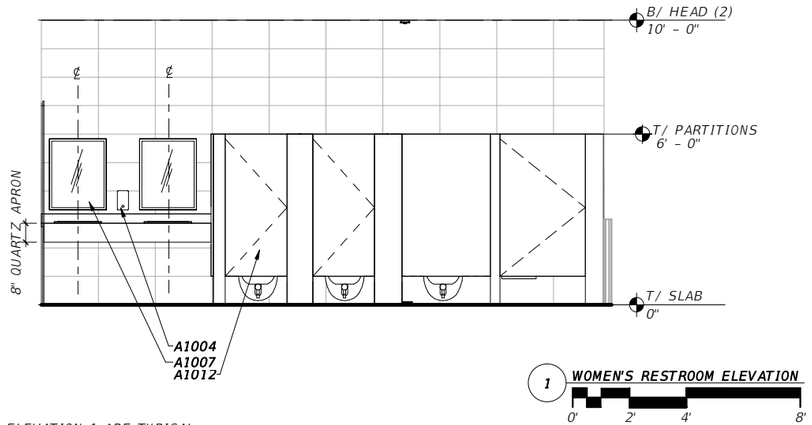
0' 2' 4' 8'

ALL NOTES ON ELEVATION 3 ARE TYPICAL AND APPLY TO ALL FAMILY RESTROOM ELEVATIONS



2 MEN'S RESTROOM ELEVATION

0' 2' 4' 8'



1 WOMEN'S RESTROOM ELEVATION

0' 2' 4' 8'

ALL NOTES ON ELEVATION 1 ARE TYPICAL AND APPLY TO ELEVATION 2

KEYNOTE LEGEND

NO.	DESCRIPTION
A978	LARGE FORMAT PORCELAIN TILE WALL, COORDINATE EXPANSION JOINTS W/ MASONRY WALLS PER MFR, REFER TO STRUCTURAL, TYP.
A1001	WALL HUNG TOILET TISSUE PAPER DISPENSER, TYP.
A1002	STAINLESS STEEL GRAB BAR, TYP.
A1004	WALL MOUNTED SOAP DISPENSER, TYP,
A1006	RECESSED PAPER TOWEL DISPENSER & WASTE RECEPTACLE, TYP.
A1007	ADA COMPLIANT, 24"W X 36"H STAINLESS STEEL FRAMED MIRROR, TYP.
A1009	FEMININE NAPKIN DISPOSAL, TYP.
A1010	WALL MOUNTED PLUMBING FIXTURES, REFER TO PLUMBING, TYP.
A1012	FLOOR MOUNTED, STAINLESS STEEL TOILET PARTITIONS, TYP.
A1016	STAINLESS STEEL URINAL PARTITIONS, TYP.

GENERAL NOTES:

1. REFER TO ENLARGED FLOOR PLANS FOR TOILET ACCESSORY INFORMATION FOR EACH FAMILY RESTROOM.

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No.	Date	Issue / Revision

ERIC LUTTMANN, AIA
AR 97111

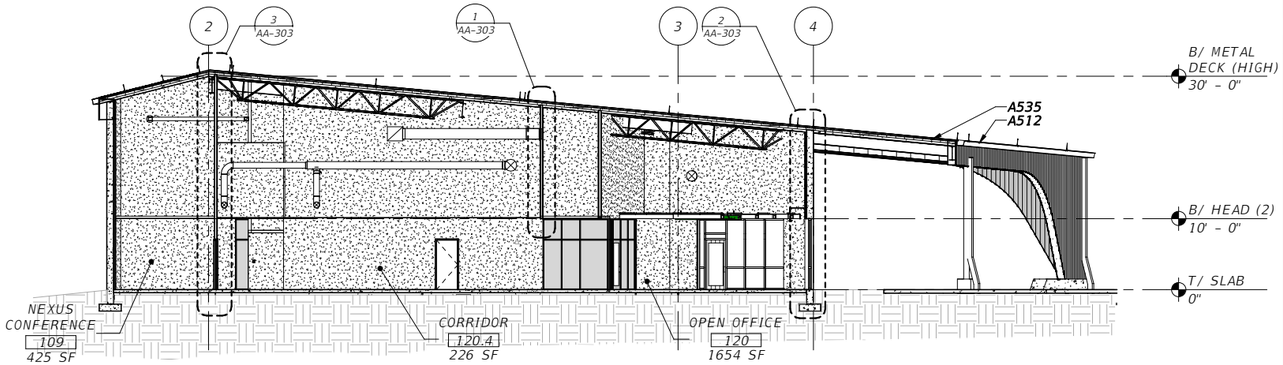
WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607

FLORIDA-ALABAMA TPO

ROAD NAME	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

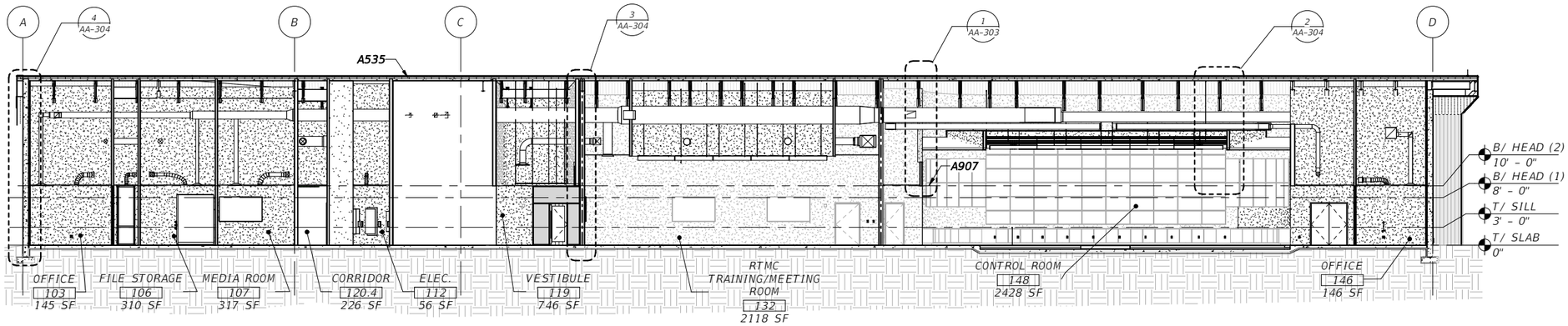
INTERIOR ELEVATIONS (1)

DWG NO.
AA-204
SHEET NO.



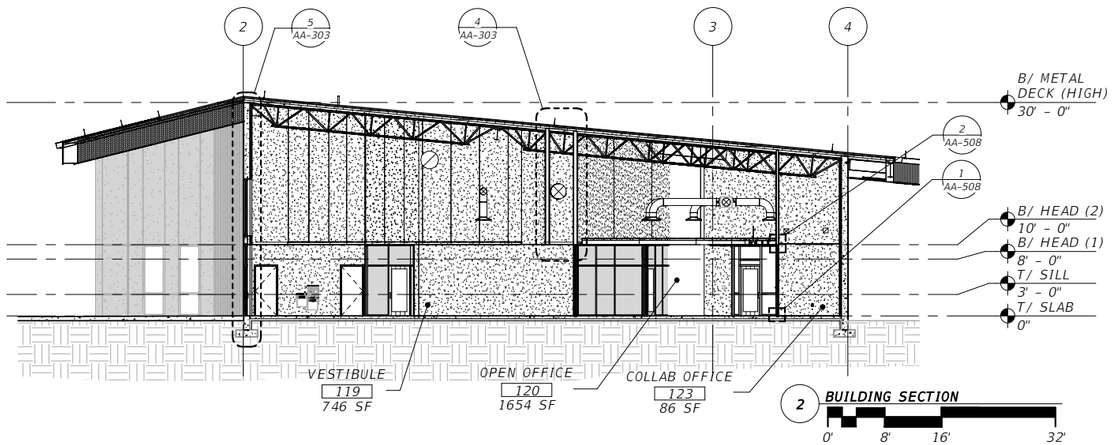
4 **BUILDING SECTION**

0' 8' 16' 32'



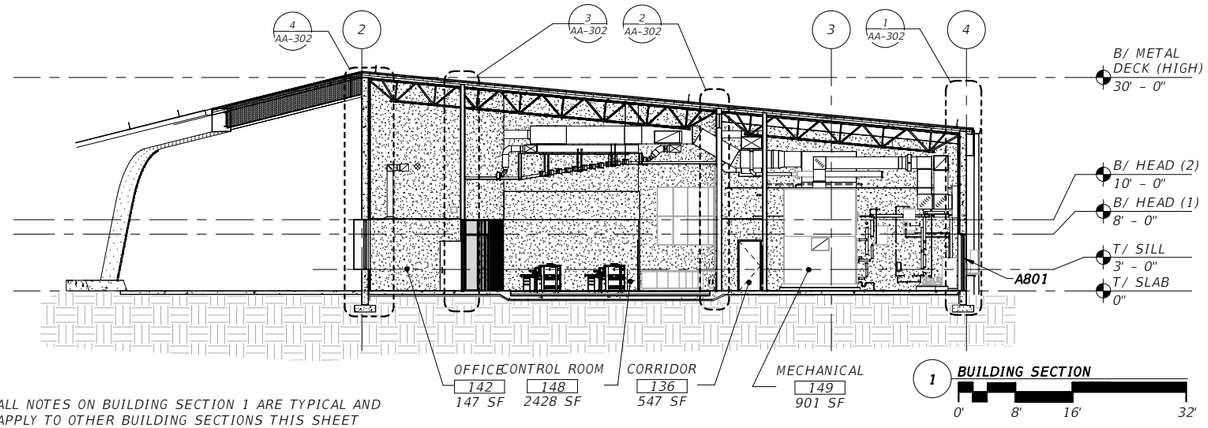
3 **BUILDING SECTION**

0' 8' 16' 32'



2 **BUILDING SECTION**

0' 8' 16' 32'



1 **BUILDING SECTION**

0' 8' 16' 32'

ALL NOTES ON BUILDING SECTION 1 ARE TYPICAL AND APPLY TO OTHER BUILDING SECTIONS THIS SHEET

KEYNOTE LEGEND

NO.	DESCRIPTION
A512	METAL GUTTER AND DOWNSPOUT ASSEMBLY, TYP.
A535	STANDING SEAM METAL ROOFING SYSTEM WITH CONCEALED FASTENERS ON APPROVED 40 MIL PEEL & STICK UNDERLAYMENT ON APA RATED INSULATION/ PLYWOOD COMPOSITE SUBSTRATE, TYP.
A801	HOLLOW METAL DOOR & FULLY GROUTED FRAME
A907	SUSPENDED ACOUSTICAL CEILING SYSTEM

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No.	Date	Issue / Revision

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SUITE 375
TAMPA, FL 33607

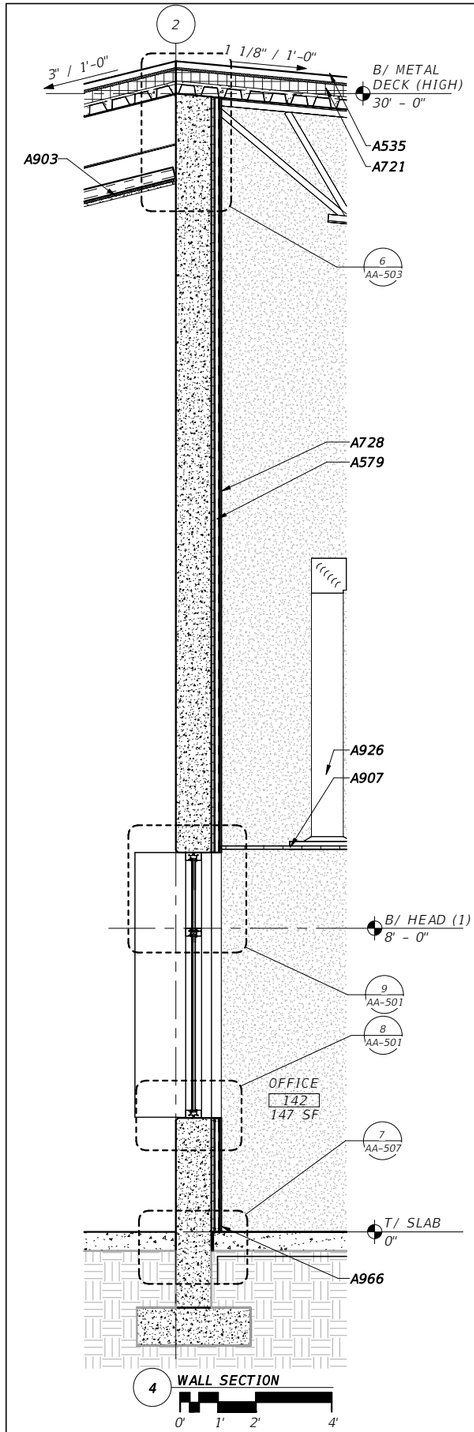
FLORIDA-ALABAMA TPO

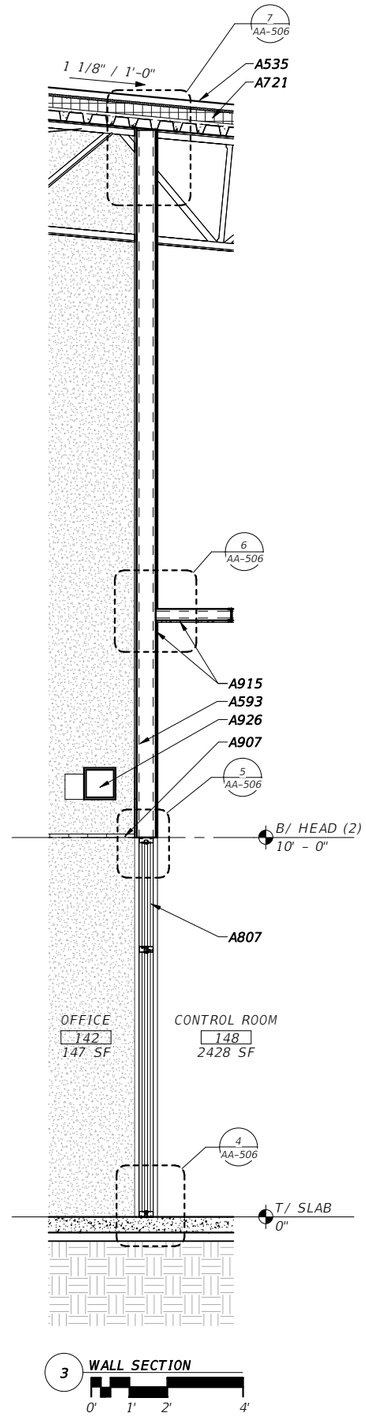
ROAD NAME	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

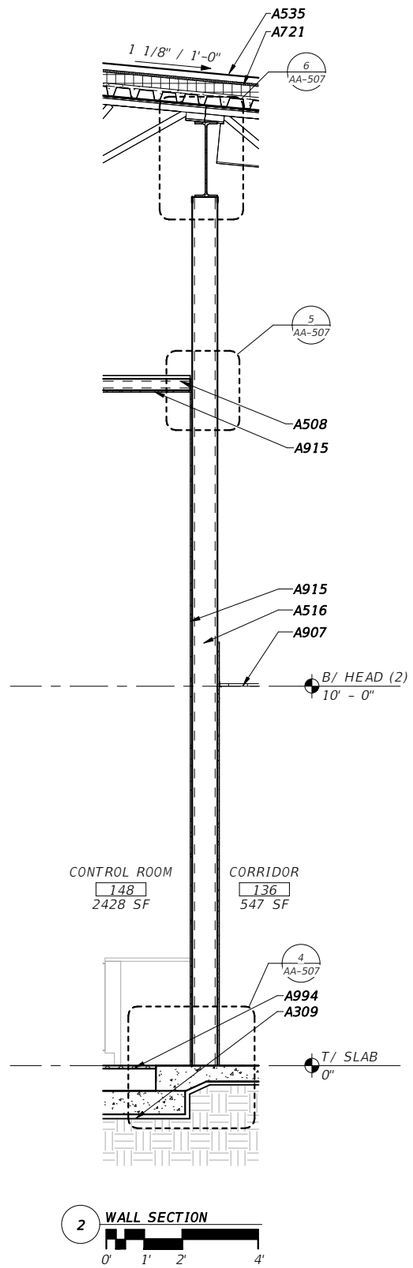
BUILDING SECTIONS (1)

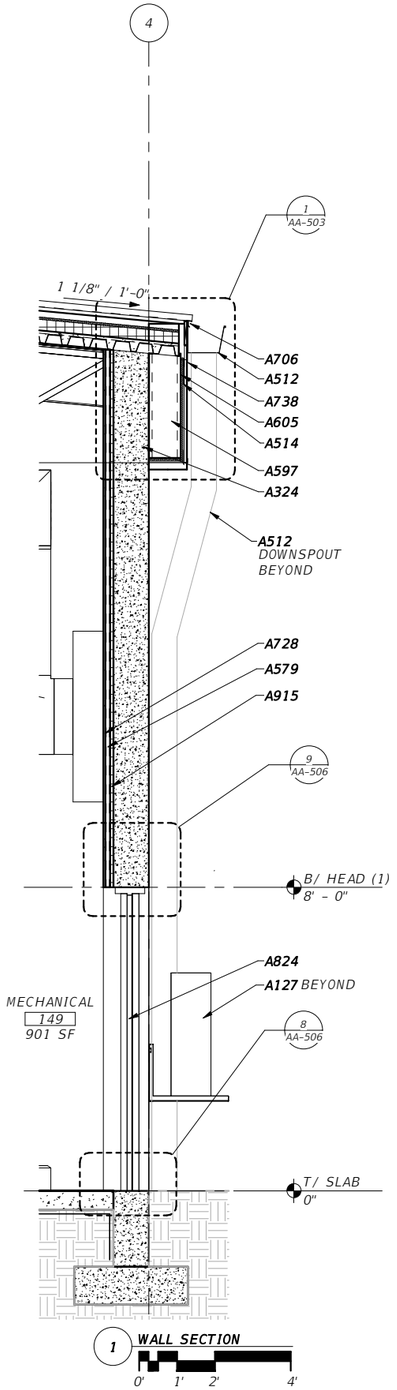
DWG NO. AA-301

SHEET NO.









ALL NOTES ON WALL SECTION 1 ARE TYPICAL AND APPLY TO OTHER WALL SECTIONS

KEYNOTE LEGEND

NO.	DESCRIPTION
A127	CONDENSING UNIT, REFER TO MECHANICAL
A309	MEMBRANE VAPOR BARRIER WITH SLAB EDGES SEALED PER MANUFACTURER'S RECOMMENDED INSTALLATION INSTRUCTIONS, TYP.
A324	CONCRETE TILT UP PANEL, TYP.
A508	3 5/8" METAL STUDS @ 16" O.C.
A512	METAL GUTTER AND DOWNSPOUT ASSEMBLY, TYP.
A514	ALUMINUM WALL PANEL SYSTEM INSTALLED PER MFR INSTRUCTIONS, TYP.
A516	8" METAL STUD
A535	STANDING SEAM METAL ROOFING SYSTEM WITH CONCEALED FASTENERS ON APPROVED 40 MIL PEEL & STICK UNDERLAYMENT ON APA RATED INSULATION/ PLYWOOD COMPOSITE SUBSTRATE, TYP.
A579	1 1/2" METAL STUD @ 16" O.C
A593	6" METAL STUD
A597	12" METAL STUD
A605	3/4" PLYWOOD SHEATHING WITH 60 MIL PEEL & STICK MEMBRANE VAPOR RETARDER, TYP.
A706	FABRICATED METAL FLASHING SYSTEM WITH CONT. CLEAT & DRIP EDGE
A721	MIN. R-25 RIGID INSULATION BOARD, TYP
A728	1" R-5.7 RIGID INSULATION BOARD GLUED TO TILT PANELS CONTINUOUS TO DECK, TYP
A738	MEMBRANE COUNTER FLASHING
A807	INTERIOR STOREFRONT SYSTEM, TYP
A824	METAL DOOR AND FRAME, REFER TO DOOR SCHEDULE AND OPENING TYPES FOR ADDITIONAL INFORMATION
A903	7/8" THICK GALV. METAL LATH & STUCCO SYSTEM ON 60 MIL PEEL & STICK MEMBRANE VAPOR RETARDER ON 3/4" PLYWOOD SHEATHING
A907	SUSPENDED ACOUSTICAL CEILING SYSTEM
A915	5/8" GYPSUM WALL BOARD, TYP.
A926	DUCTWORK SYSTEM, REFER TO MECHANICAL, TYP.
A966	2 1/2" RESILIENT WALL BASE
A994	RAISED FLOOR SYSTEM AND PANELS OF SOLID MATERIAL, TYP.

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No.	Date	Issue / Revision

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AR 97111

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607

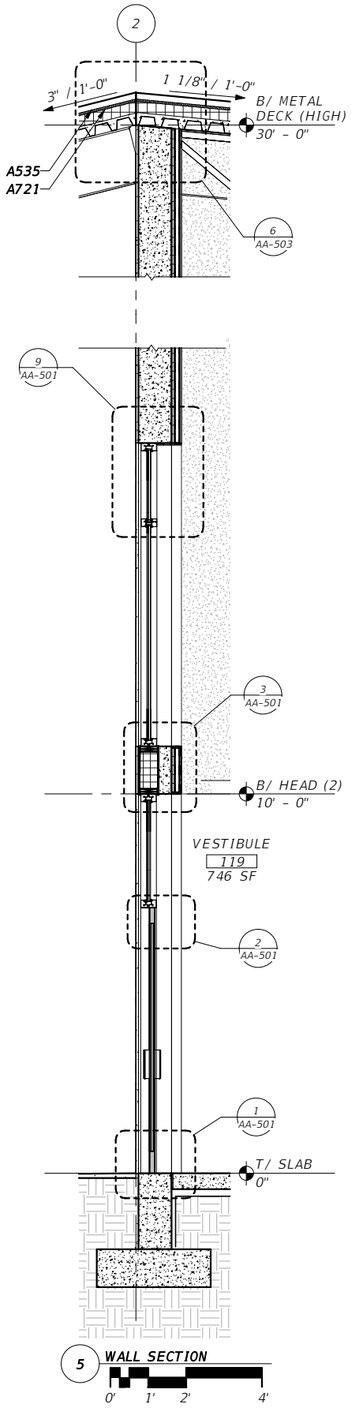
FLORIDA-ALABAMA TPO

ROAD NAME	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

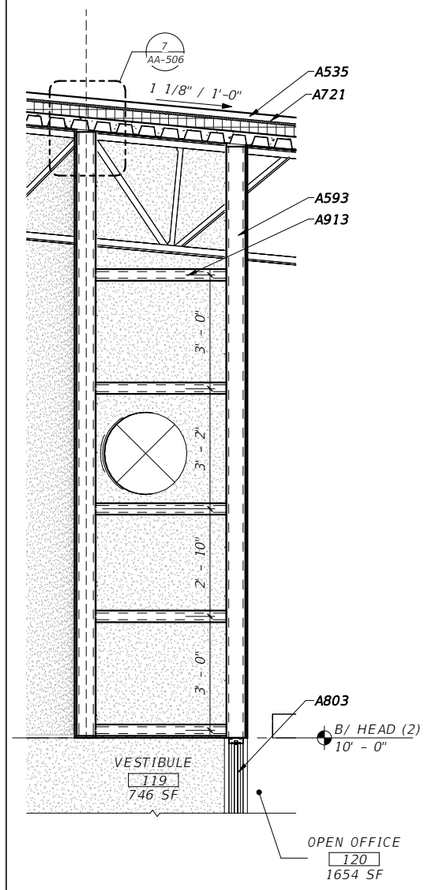
WALL SECTIONS (1)

DWG NO. AA-302

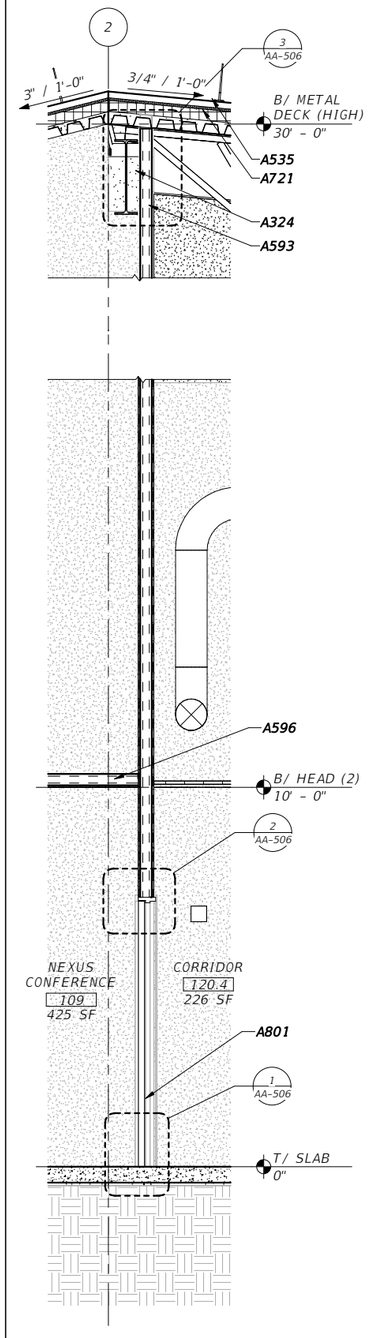
SHEET NO.



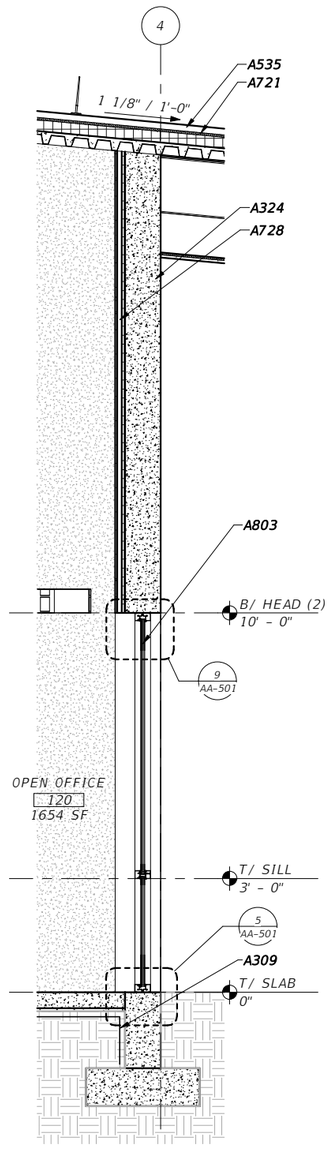
5 WALL SECTION



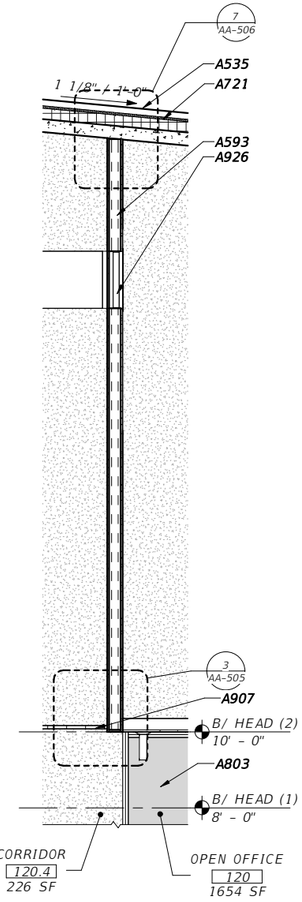
4 WALL SECTION



3 WALL SECTION



2 WALL SECTION



1 WALL SECTION

ALL NOTES ON WALL SECTION 1 ARE TYPICAL AND APPLY TO OTHER WALL SECTIONS THIS SHEET

KEYNOTE LEGEND

NO.	DESCRIPTION
A309	MEMBRANE VAPOR BARRIER WITH SLAB EDGES SEALED PER MANUFACTURER'S RECOMMENDED INSTALLATION INSTRUCTIONS, TYP.
A324	CONCRETE TILT UP PANEL, TYP.
A535	STANDING SEAM METAL ROOFING SYSTEM WITH CONCEALED FASTENERS ON APPROVED 40 MIL PEEL & STICK UNDERLAYMENT ON APA RATED INSULATION/ PLYWOOD COMPOSITE SUBSTRATE, TYP.
A593	6" METAL STUD
A596	3 5/8" METAL STUDS WITH 5/8" GYP
A721	MIN. R-25 RIGID INSULATION BOARD, TYP
A728	1" R-5.7 RIGID INSULATION BOARD GLUED TO TILT PANELS CONTINUOUS TO DECK, TYP
A801	HOLLOW METAL DOOR & FULLY GROUTED FRAME
A803	ALUMINUM STOREFRONT SYSTEM
A907	SUSPENDED ACOUSTICAL CEILING SYSTEM
A913	3 5/8" METAL STUD BRACE MEMBER AT 4'-0" O.C. MAX, TYP.
A926	DUCTWORK SYSTEM, REFER TO MECHANICAL, TYP.

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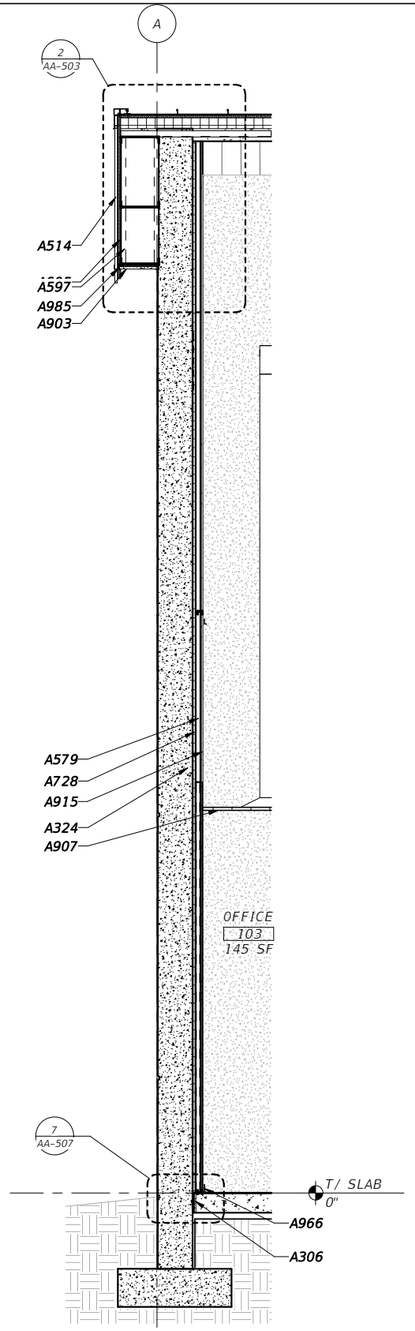
FLORIDA-ALABAMA TPO

ROAD NAME	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

WALL SECTIONS (2)

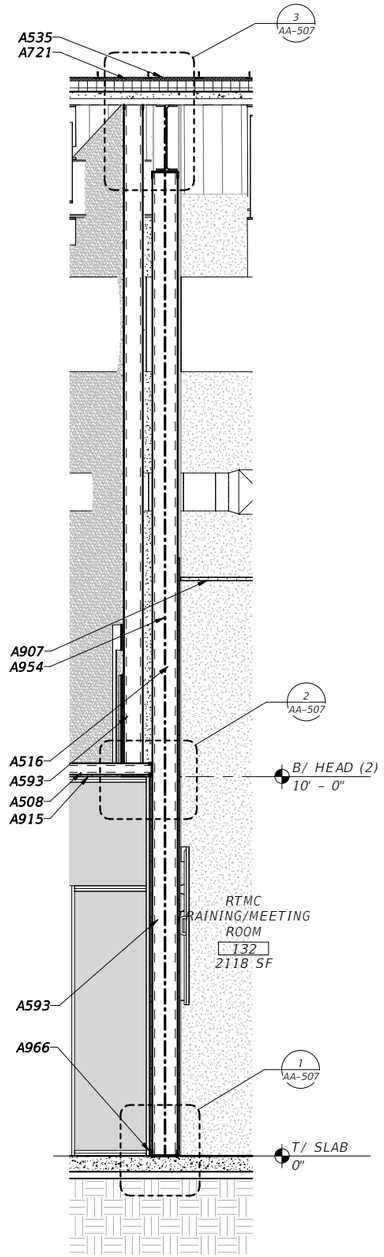
DWG NO. AA-303

SHEET NO.



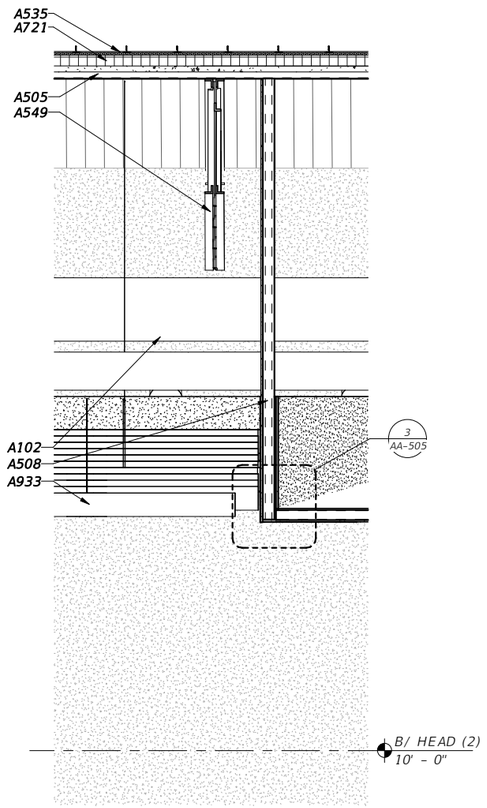
4 WALL SECTION

0' 1' 2' 4'



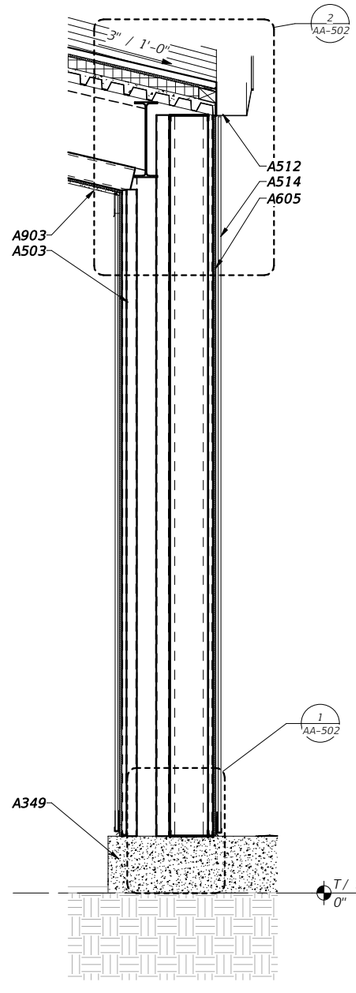
3 WALL SECTION

0' 1' 2' 4'



2 WALL SECTION

0' 1' 2' 4'



1 WALL SECTION

0' 1' 2' 4'

ALL NOTES ON WALL SECTION 1 ARE TYPICAL AND APPLY TO OTHER WALL SECTIONS

KEYNOTE LEGEND

NO.	DESCRIPTION
A102	HVAC EQUIPMENT, REFER TO MECHANICAL, TYP.
A306	1/2" PREFORMED WATERPROOF, SEMI-RIGID JOINT FILLER CONTINUOUS, TYP.
A324	CONCRETE TILT UP PANEL, TYP.
A349	CAST IN PLACE CONCRETE BENCH, REFER TO 3/AC-113
A503	16 GA METAL STUD FRAMING INSTALLED PER METAL PANEL MFR REQUIREMENTS, TYP.
A505	COMPOSITE CONCRETE & METAL DECK SYSTEM, REFER TO STRUCTURAL
A508	3 5/8" METAL STUDS @ 16" O.C.
A512	METAL GUTTER AND DOWNSPOUT ASSEMBLY, TYP.
A514	ALUMINUM WALL PANEL SYSTEM INSTALLED PER MFR INSTRUCTIONS, TYP.
A516	8" METAL STUD
A535	STANDING SEAM METAL ROOFING SYSTEM WITH CONCEALED FASTENERS ON APPROVED 40 MIL PEEL & STICK UNDERLAYMENT ON APA RATED INSULATION/ PLYWOOD COMPOSITE SUBSTRATE, TYP.
A549	STRUCTURAL STEEL FRAMING, REFER TO STRUCTURAL, TYP.
A579	1 1/2" METAL STUD @ 16" O.C
A593	6" METAL STUD
A597	12" METAL STUD
A605	3/4" PLYWOOD SHEATHING WITH 60 MIL PEEL & STICK MEMBRANE VAPOR RETARDER, TYP.
A721	MIN. R-25 RIGID INSULATION BOARD, TYP
A728	1" R-5.7 RIGID INSULATION BOARD GLUED TO TILT PANELS CONTINUOUS TO DECK, TYP
A903	7/8" THICK GALV. METAL LATH & STUCCO SYSTEM ON 60 MIL PEEL & STICK MEMBRANE VAPOR RETARDER ON 3/4" PLYWOOD SHEATHING
A907	SUSPENDED ACOUSTICAL CEILING SYSTEM
A915	5/8" GYPSUM WALL BOARD, TYP.
A933	FREEFORM ACOUSTIC CEILING BAFFLE SYSTEM
A954	PROVIDE UL DESIGN U419 AS BASIS OF DESIGN FOR FIRE RATED ENCLOSURE. SUBMIT TEST ASSEMBLY DETAILS FOR APPROVAL.
A966	2 1/2" RESILIENT WALL BASE
A985	BACKER ROD AND SEALANT CONT.

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SUITE 375
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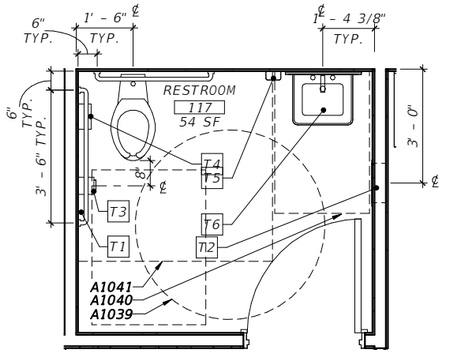
FLORIDA-ALABAMA TPO

ROAD NAME	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

WALL SECTIONS (3)

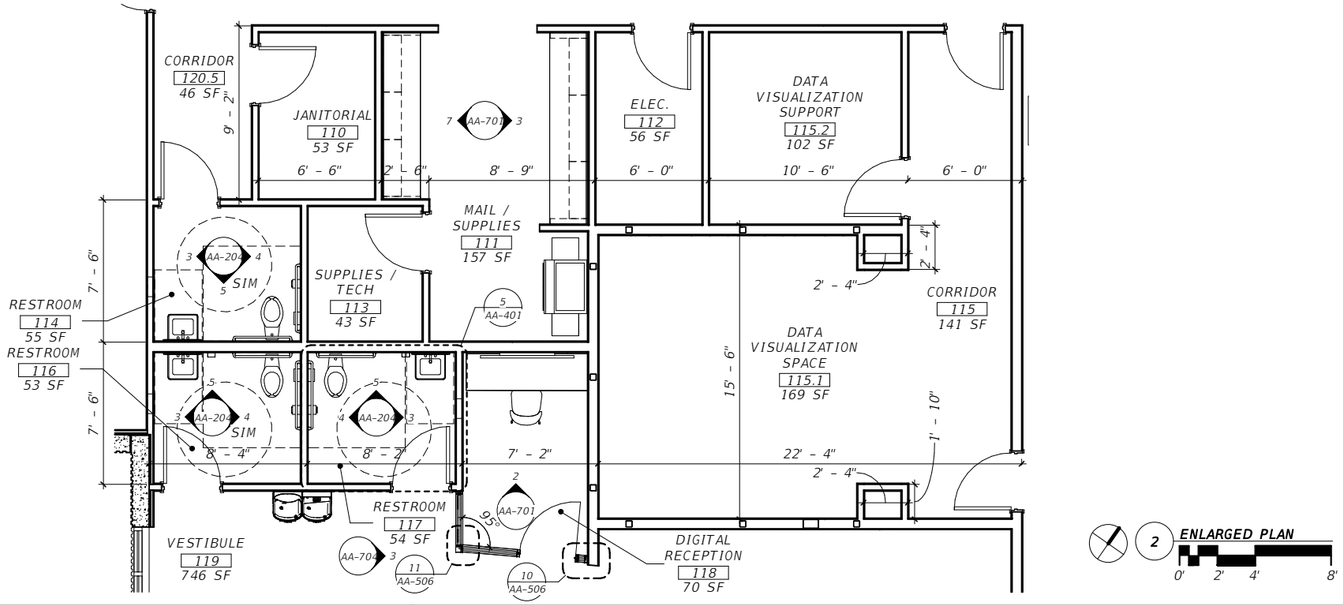
DWG NO. AA-304

SHEET NO.



5 ENLARGED PLAN

0' 2' 4' 8'

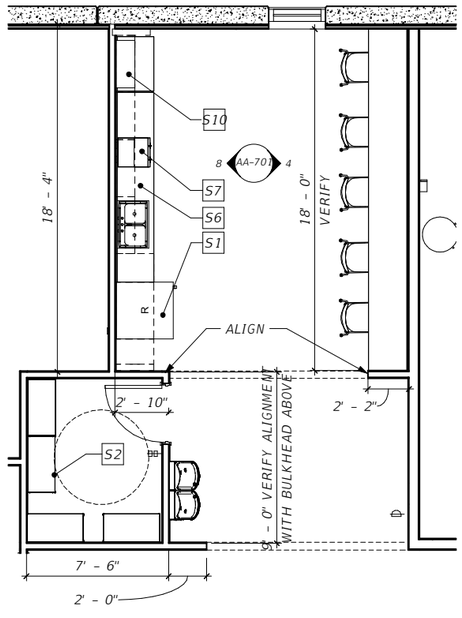


2 ENLARGED PLAN

0' 2' 4' 8'

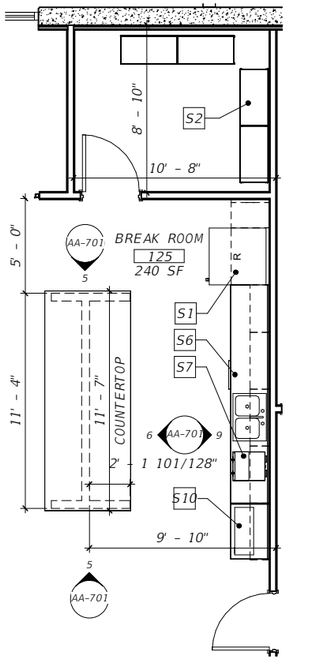
KEYNOTE LEGEND

NO.	DESCRIPTION
A1039	5 FT DIA ADA TURNING RADIUS, TYP.
A1040	ADA ACCESSIBILITY 2'-6" X 4'-0" CLEAR FLOOR SPACE
A1041	ADA ACCESSIBILITY 5'-0" X 5'-0" TOILET CLEAR FLOOR SPACE



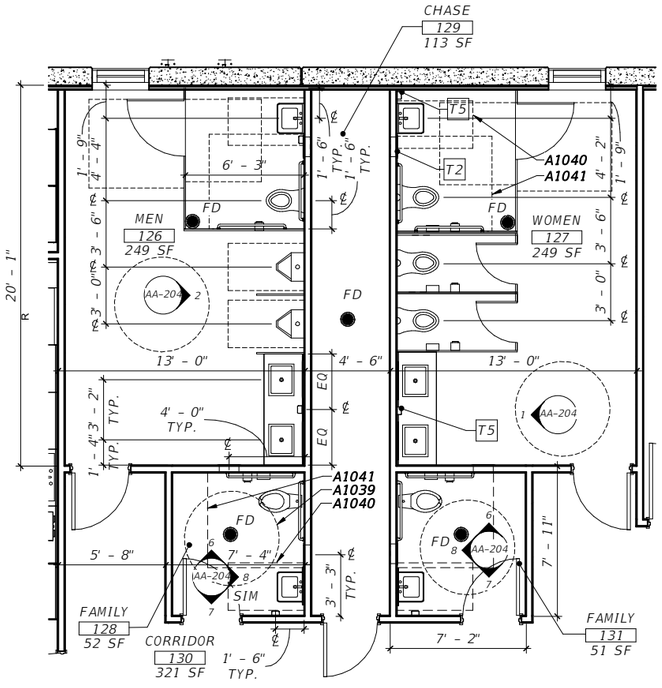
4 ENLARGED PLAN

0' 2' 4' 8'



3 ENLARGED PLAN

0' 2' 4' 8'



1 ENLARGED PLAN

0' 2' 4' 8'

ALL NOTES ON ENLARGED PLAN 1 ARE TYPICAL AND APPLY TO OTHER ENLARGED PLANS THIS SHEET

TOILET ACCESSORY SCHEDULE

ITEM	PRODUCT DESCRIPTION	MFR	RESPONSIBILITY	MODEL ID
T1	ADA GRAB BAR	BOBRICK	CFCI	B-5806
T2	PAPER TOWEL DISPENSER AND WASTE DISPOSAL	BOBRICK	CFCI	B-43944
T3	TOILET TISSUE DISPENSER	BOBRICK	CFCI	B-2740
T4	FEMALE NAPKIN DISPOSAL	BOBRICK	CFCI	B-270
T5	SOAP DISPENSER	BOBRICK	CFCI	B-2013
T6	MIRROR	BOBRICK	CFCI	B-2908 2436

SPECIAL EQUIPMENT SCHEDULE

ITEM	PRODUCT	RESPONSIBILITY
S1	REFRIGERATOR	CFCI
S2	STORAGE RACKS	OFOI
S5	TV	OFOI
S6	DISHWASHER	CFCI
S7	COFFEE MAKER	OFOI
S10	MICROWAVE	CFCI

TOILET ACCESSORY NOTE:

1. MODEL NUMBERS ARE PROVIDED AS BASIS OF DESIGN.
2. ALL TOILET ACCESSORIES WITHIN ROOM 117 ARE TYPICAL AND APPLY TO ROOMS 114, 116, 128, AND 131.
3. ALL ANNOTATIONS, TOILET ACCESSORIES WITHIN MEN (RM 126) AND WOMEN (RM 127) ARE APPLICABLE TO BOTH UON.

NOTE: ALL FURNITURE TO BE OWNER FURNISHED, OWNER INSTALLED.

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No.	Date	Issue / Revision

ERIC LUTTMANN, AIA
AR 97111

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607

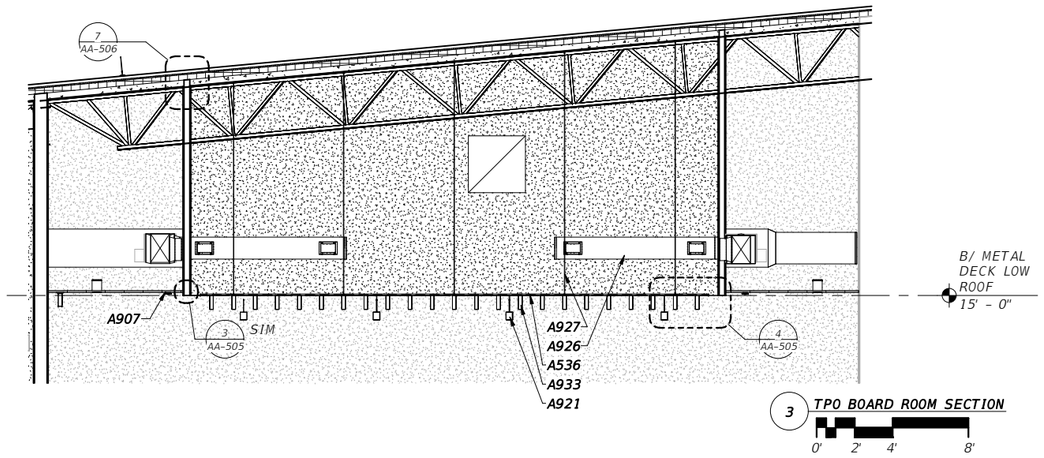
FLORIDA-ALABAMA TPO

ROAD NAME	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

ENLARGED PLANS (1)

DWG NO. AA-401

SHEET NO.



3 TPO BOARD ROOM SECTION

0' 2' 4' 8'

MEP REFLECTED CEILING PLAN LEGEND

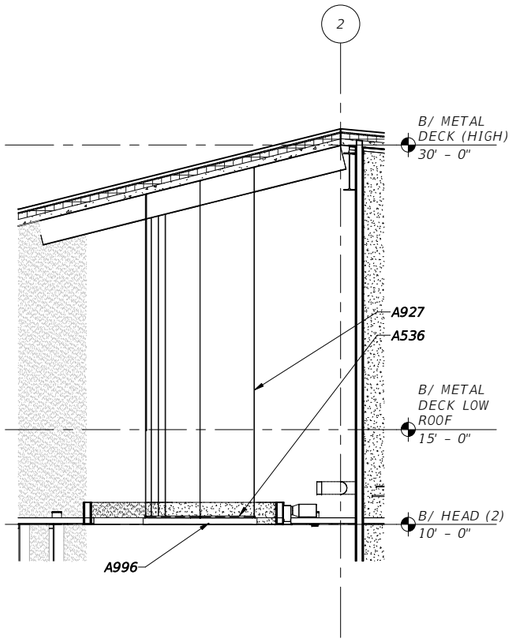
○	OCCUPANCY SENSOR
⊗	EXIT SIGN
▩	AIR DEVICES
▤	LOUVER
⊠	DIFFUSER
▣	RETURN
▨	RECESSED LIGHT
■	EMERGENCY RECESSED LIGHT
▬	LINEAR LIGHT FIXTURE
◎	CIRCULAR LIGHT FIXTURE

REFLECTED CEILING PLAN LEGEND

▤	ACOUSTIC BAFFLE SYSTEM
▦	2'x2' SUSPENDED CEILING GRID AND ACOUSTICAL PANEL. HEIGHT 10'- 1", UON.
▥	OPEN TO STRUCTURE
▩	GYPSUM BOARD CEILING HEIGHT 10'- 0", UON.
▨	STUCCO CEILING

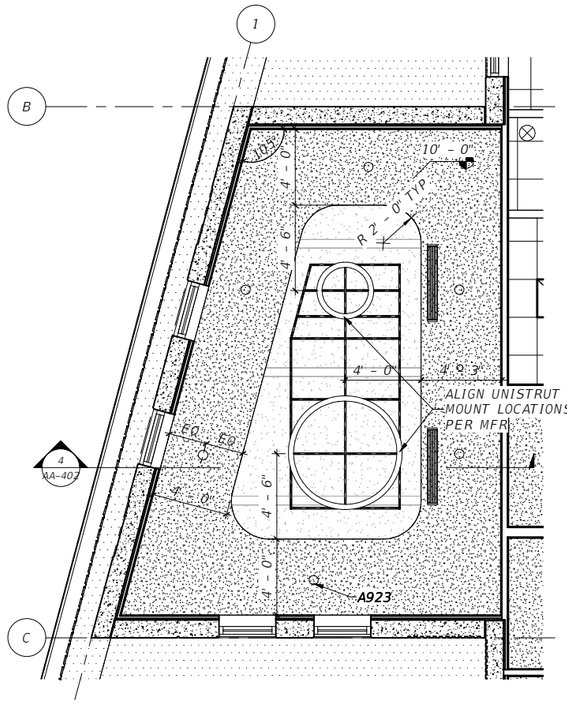
KEYNOTE LEGEND

NO.	DESCRIPTION
A536	SUSPENDED 1" X 1" METAL UNISTRUT SYSTEM, SIZE APPROPRIATELY TO ATTACH LIGHTING FIXTURES
A907	SUSPENDED ACOUSTICAL CEILING SYSTEM
A921	SUSPENDED LIGHT FIXTURE CENTERED EVENLY BETWEEN ACOUSTICAL BAFFLES, REFER TO ELECTRICAL, TYP.
A923	RECESSED LIGHTING FIXTURE, REFER TO ELECTRICAL, TYP.
A926	DUCTWORK SYSTEM, REFER TO MECHANICAL, TYP.
A927	UNISTRUT CABLE CONNECTION TO DECK
A933	FREEFORM ACOUSTIC CEILING BAFFLE SYSTEM
A996	SURFACE MOUNTED LIGHT FIXTURE, REFER TO ELECTRICAL



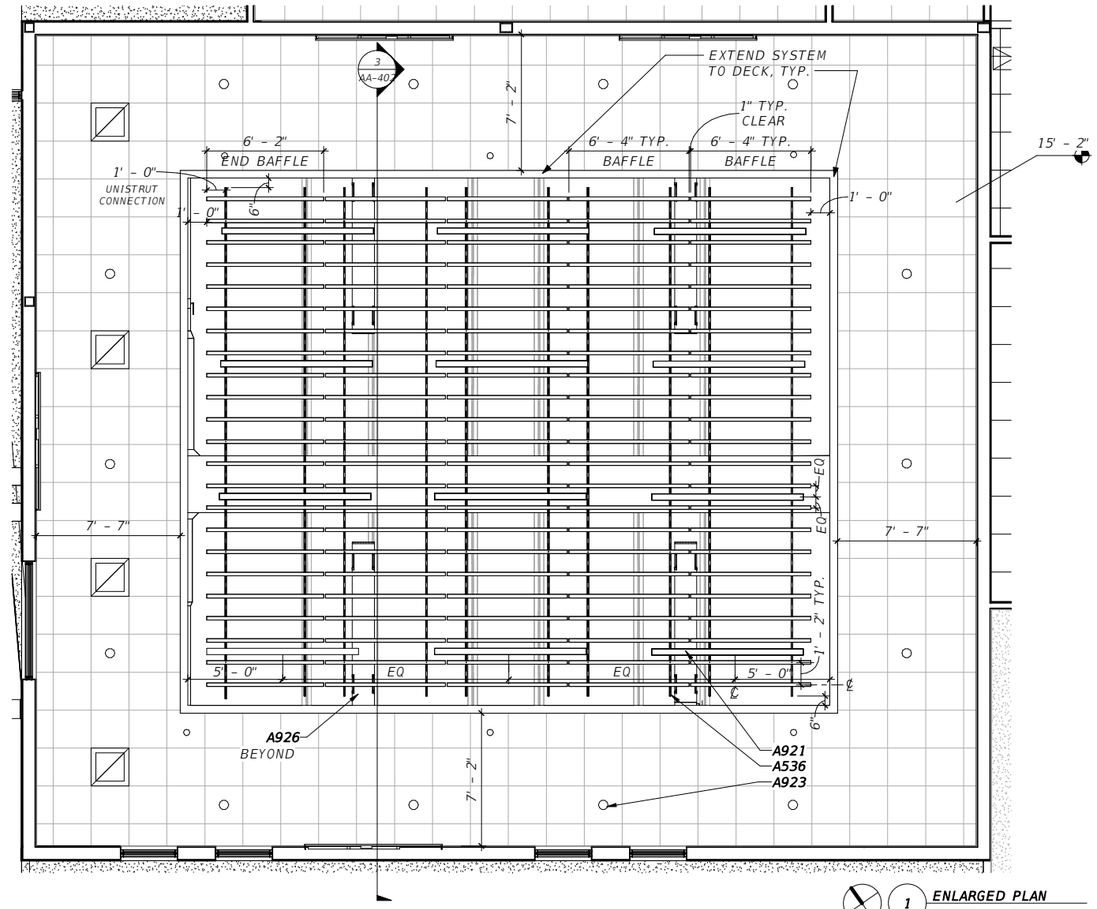
4 NEXUS CONFERENCE ROOM SECTION

0' 2' 4' 8'



2 ENLARGED PLAN

0' 2' 4' 8'



1 ENLARGED PLAN

0' 2' 4' 8'

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ERIC LUTTMANN, AIA
AR 97111

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607

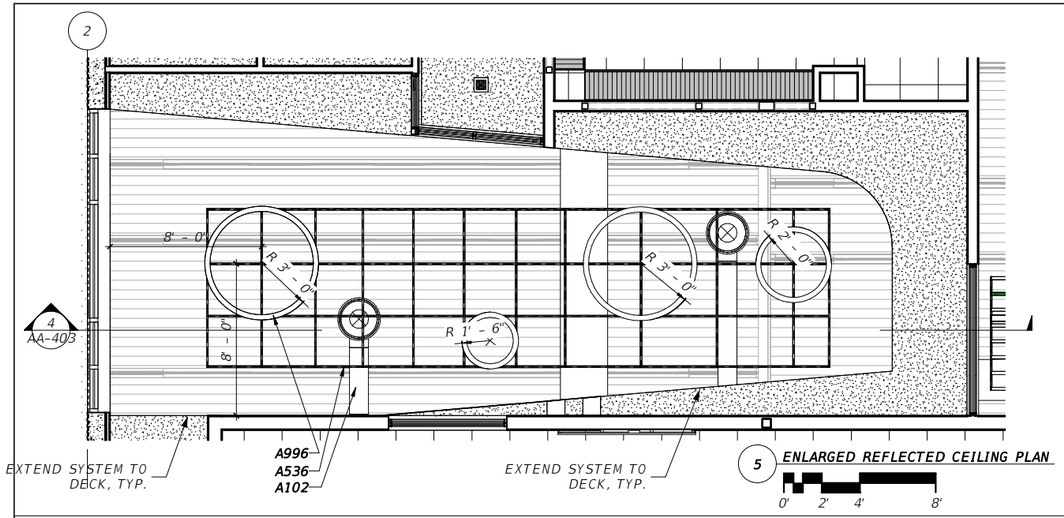
FLORIDA-ALABAMA TPO

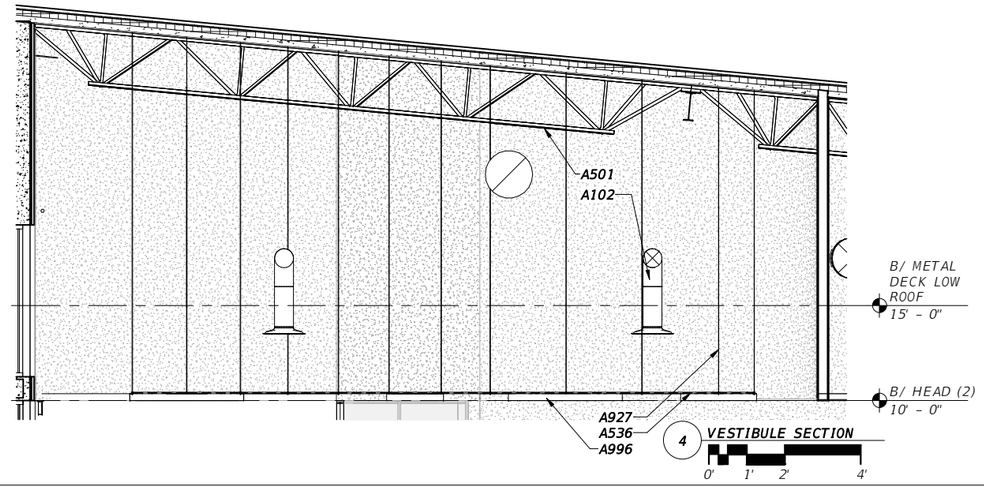
ROAD NAME	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

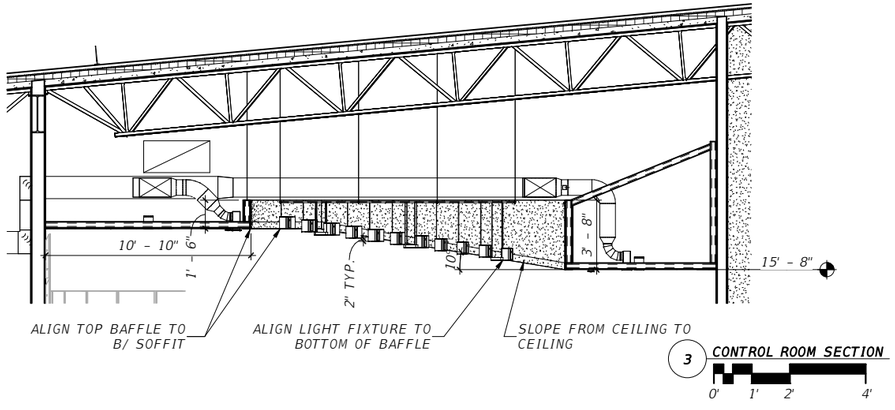
ENLARGED PLANS (2)

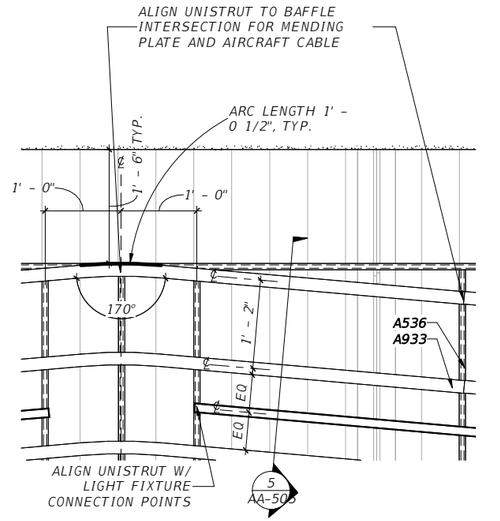
DWG NO. AA-402

SHEET NO.







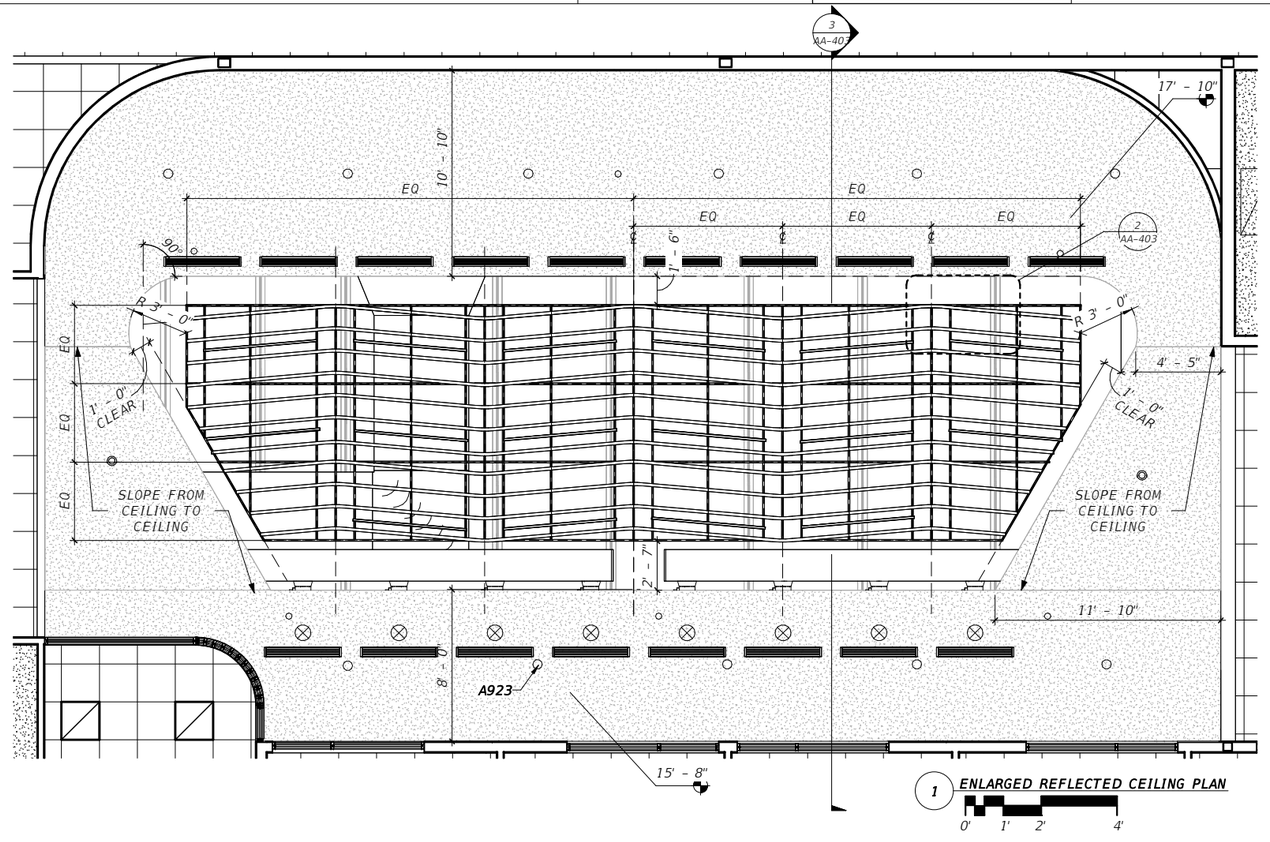


MEP REFLECTED CEILING PLAN LEGEND	
○	OCCUPANCY SENSOR
	EXIT SIGN
	AIR DEVICES
	LOUVER
	DIFFUSER
	RETURN
	RECESSED LIGHT
	EMERGENCY RECESSED LIGHT
	LINEAR LIGHT FIXTURE
	CIRCULAR LIGHT FIXTURE

KEYNOTE LEGEND

NO.	DESCRIPTION
A102	HVAC EQUIPMENT, REFER TO MECHANICAL, TYP.
A501	ARCHITECTURAL EXPOSED STRUCTURAL STEEL FRAMING
A536	SUSPENDED 1" X 1" METAL UNISTRUT SYSTEM, SIZE APPROPRIATELY TO ATTACH LIGHTING FIXTURES
A923	RECESSED LIGHTING FIXTURE, REFER TO ELECTRICAL, TYP.
A927	UNISTRUT CABLE CONNECTION TO DECK
A933	FREEFORM ACOUSTIC CEILING BAFFLE SYSTEM
A996	SURFACE MOUNTED LIGHT FIXTURE, REFER TO ELECTRICAL

REFLECTED CEILING PLAN LEGEND	
	ACOUSTIC BAFFLE SYSTEM
	2'x2' SUSPENDED CEILING GRID AND ACOUSTICAL PANEL. HEIGHT 10'– 1", UON.
	OPEN TO STRUCTURE
	GYPSUM BOARD CEILING HEIGHT 10'– 0", UON.
	STUCCO CEILING



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SUITE 375
TAMPA, FL 33607

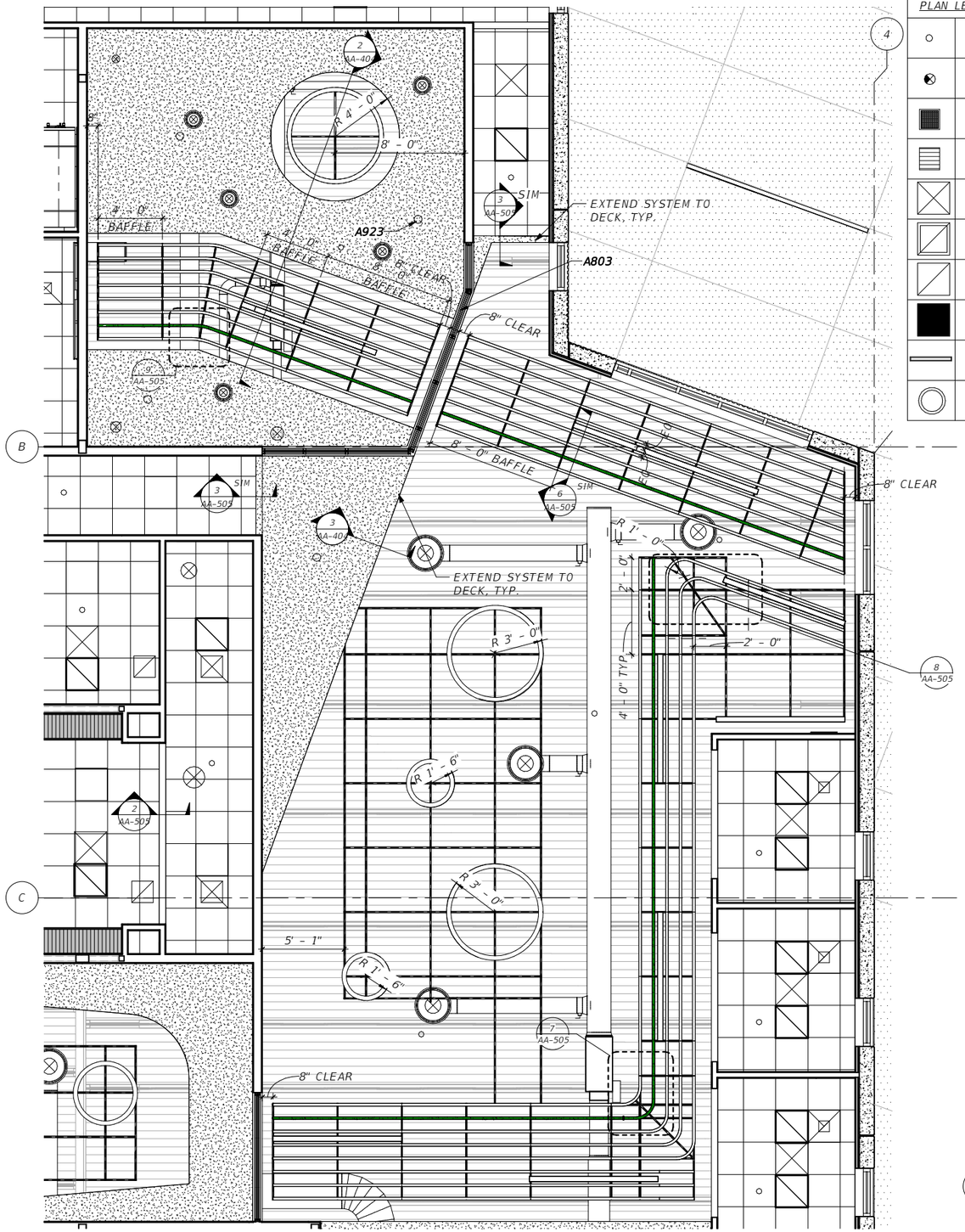
FLORIDA-ALABAMA TPO

ROAD NAME	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

ENLARGED PLANS (3)

DWG NO. AA-403

SHEET NO.



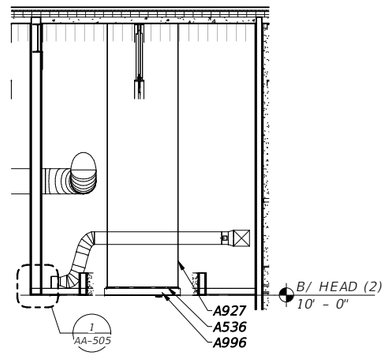
5 ENLARGED PLAN
0' 2' 4' 8'

MEP REFLECTED CEILING PLAN LEGEND	
○	OCCUPANCY SENSOR
⊗	EXIT SIGN
	AIR DEVICES
	LOUVER
	DIFFUSER
	RETURN
	RECESSED LIGHT
	EMERGENCY RECESSED LIGHT
	LINEAR LIGHT FIXTURE
	CIRCULAR LIGHT FIXTURE

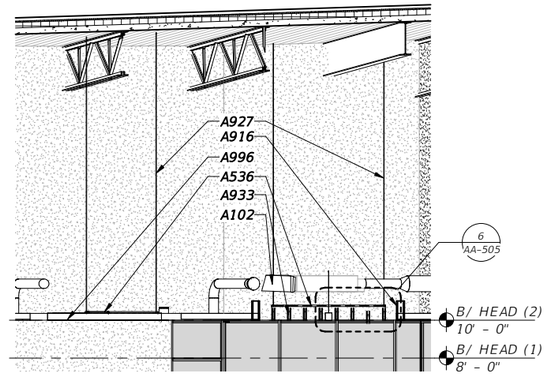
REFLECTED CEILING PLAN LEGEND	
	ACOUSTIC BAFFLE SYSTEM
	2'x2' SUSPENDED CEILING GRID AND ACOUSTICAL PANEL. HEIGHT 10'– 1", UON.
	OPEN TO STRUCTURE
	GYPSUM BOARD CEILING HEIGHT 10'– 0", UON.
	STUCCO CEILING

KEYNOTE LEGEND

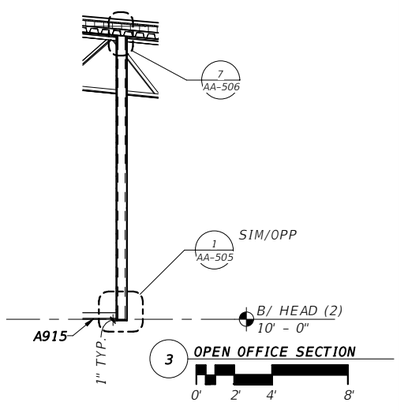
NO.	DESCRIPTION
A102	HVAC EQUIPMENT, REFER TO MECHANICAL, TYP.
A536	SUSPENDED 1" X 1" METAL UNISTRUT SYSTEM, SIZE APPROPRIATELY TO ATTACH LIGHTING FIXTURES
A803	ALUMINUM STOREFRONT SYSTEM
A915	5/8" GYPSUM WALL BOARD, TYP.
A916	5/8" GYPSUM WALL BOARD SOFFIT SYSTEM, TYP.
A923	RECESSED LIGHTING FIXTURE, REFER TO ELECTRICAL, TYP.
A927	UNISTRUT CABLE CONNECTION TO DECK
A933	FREEFORM ACOUSTIC CEILING BAFFLE SYSTEM
A996	SURFACE MOUNTED LIGHT FIXTURE, REFER TO ELECTRICAL



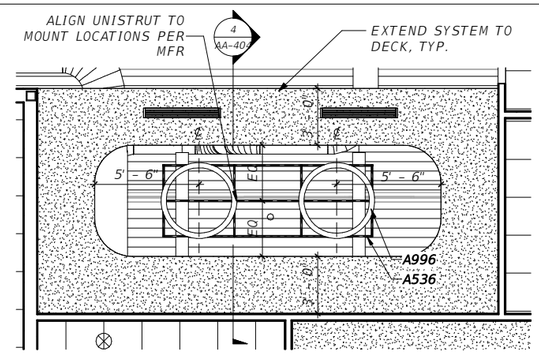
4 COFFEE BAR SECTION
0' 2' 4' 8'



2 AUTO COLLABORATION ROOM SECTION
0' 2' 4' 8'



3 OPEN OFFICE SECTION
0' 2' 4' 8'



1 ENLARGED PLAN
0' 2' 4' 8'

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SUITE 375
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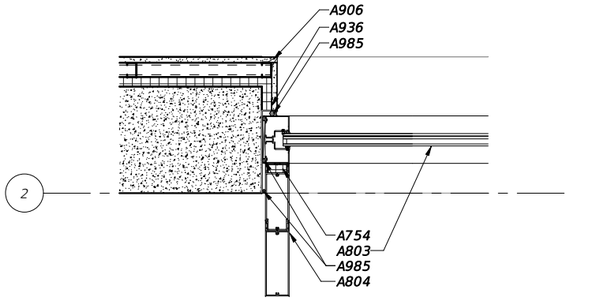
FLORIDA-ALABAMA TPO

ROAD NAME	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

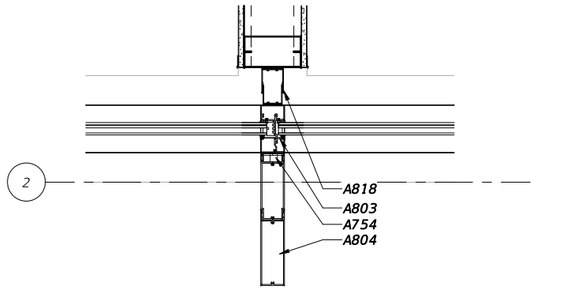
ENLARGED PLANS (3)

DWG NO. AA-404

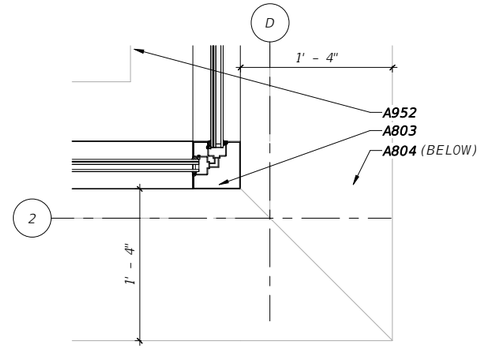
SHEET NO.



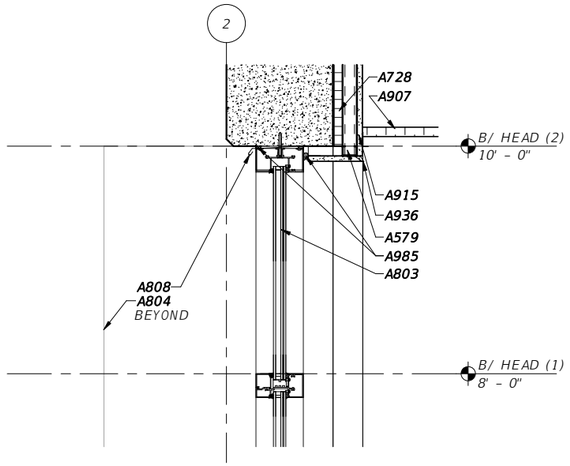
10 DETAIL
0' 6" 1' 2'



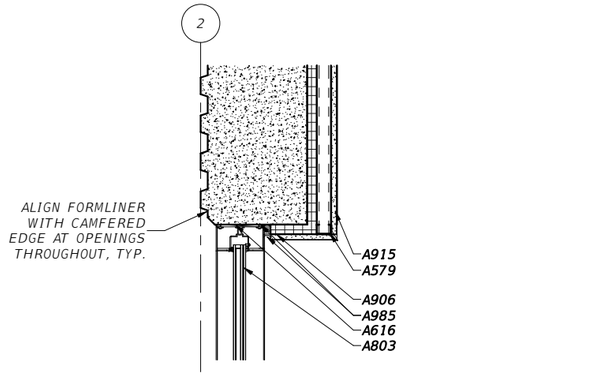
7 DETAIL
0' 6" 1' 2'



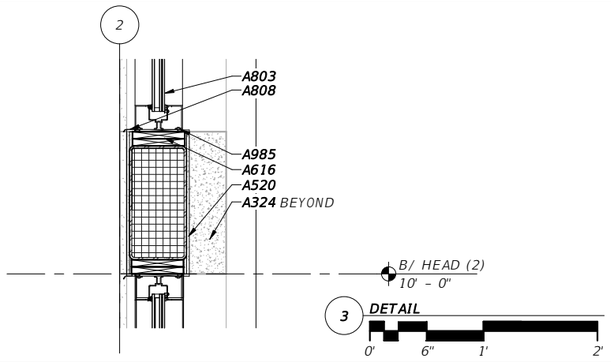
4 DETAIL
0' 6" 1' 2'



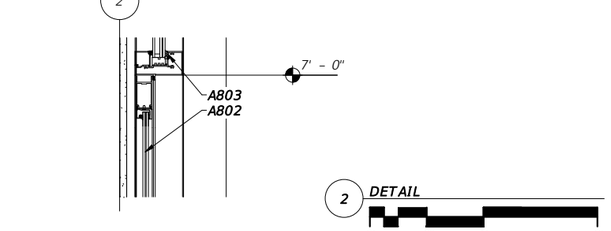
9 DETAIL
0' 6" 1' 2'



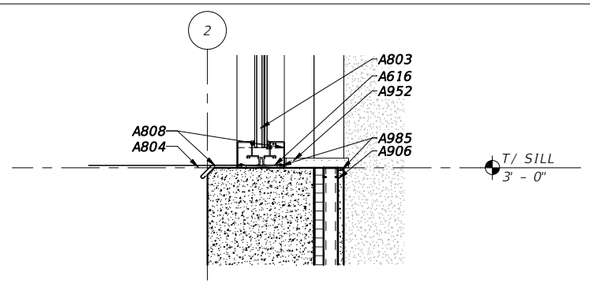
6 DETAIL
0' 6" 1' 2'



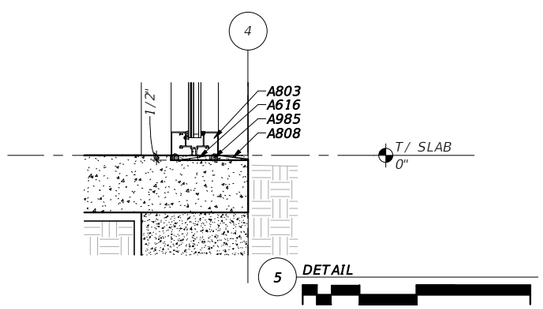
3 DETAIL
0' 6" 1' 2'



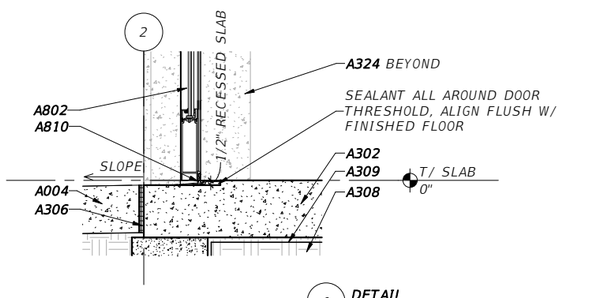
2 DETAIL
0' 6" 1' 2'



8 DETAIL
0' 6" 1' 2'



5 DETAIL
0' 6" 1' 2'



1 DETAIL
0' 6" 1' 2'

ALL NOTES ON DETAIL 1 ARE TYPICAL AND APPLY TO OTHER DETAILS

KEYNOTE LEGEND

NO.	DESCRIPTION
A004	CONCRETE SIDEWALKS & SITE SLABS ON GRADE, REFER TO CIVIL FOR ADDITIONAL INFORMATION
A302	REINFORCED CONCRETE SLAB, REFER TO STRUCTURAL
A306	1/2" PREFORMED WATERPROOF, SEMI-RIGID JOINT FILLER CONTINUOUS, TYP.
A308	COMPACTED FILL, TYP.
A309	MEMBRANE VAPOR BARRIER WITH SLAB EDGES SEALED PER MANUFACTURER'S RECOMMENDED INSTALLATION INSTRUCTIONS, TYP.
A324	CONCRETE TILT UP PANEL, TYP.
A520	STOREFRONT SYSTEM COVERPLATE OVER STEEL BEAM BY STOREFRONT MANUFACTURER SET IN FULL BED OF SEALANT
A579	1 1/2" METAL STUD @ 16" O.C
A616	SHIM AS REQUIRED, TYP.
A728	1" R-5.7 RIGID INSULATION BOARD GLUED TO TILT PANELS CONTINUOUS TO DECK, TYP
A754	RIGID INSULATION
A802	ALUMINUM STOREFRONT DOOR
A803	ALUMINUM STOREFRONT SYSTEM
A804	MULLION EXTENSION W/ ATTACHED ADDITIONAL 16" DEEP MULLION COVER PER STOREFRONT MANUFACTURER, TYP.
A808	FABRICATED ALUMINUM SILL PAN FLASHING WITH 2" END DAMS SET IN FULL BED OF SEALANT, TYP.
A810	ADA COMPLIANT METAL OFFSET THRESHOLD SET IN FULL BED OF SEALANT @ 1/2" RECESSED SLAB
A818	MULLION MATE WITH INTEGRAL ENDCAP, CENTERED ON ALUMINUM STOREFRONT MULLION
A906	J-BEAD CONT.
A907	SUSPENDED ACOUSTICAL CEILING SYSTEM
A915	5/8" GYPSUM WALL BOARD, TYP.
A936	CORNER BEAD CONT.
A952	QUARTZ SILL, NEATLY SEALED ALL AROUND, 1/8" PER FOOT SLOPE TOWARDS BUILDING INTERIOR, TYP.
A985	BACKER ROD AND SEALANT CONT.

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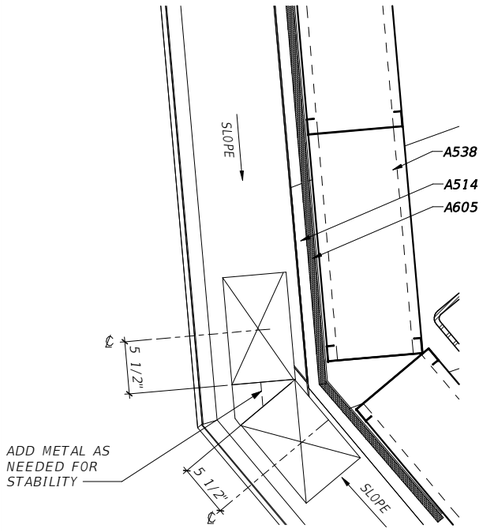
FLORIDA-ALABAMA TPO

ROAD NAME	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

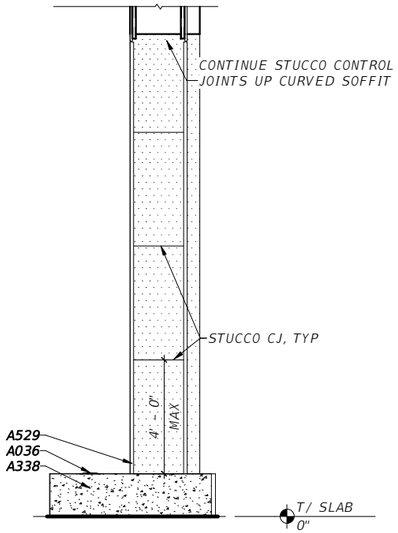
EXTERIOR STOREFRONT DETAILS

DWG NO. AA-501

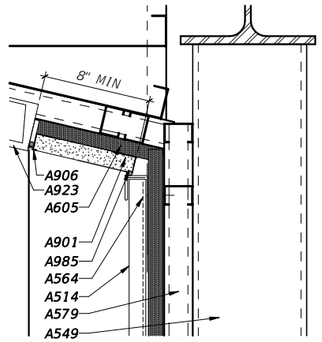
SHEET NO.



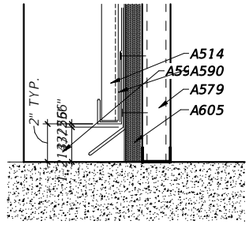
8 DETAIL
0' 1' 2' 4'



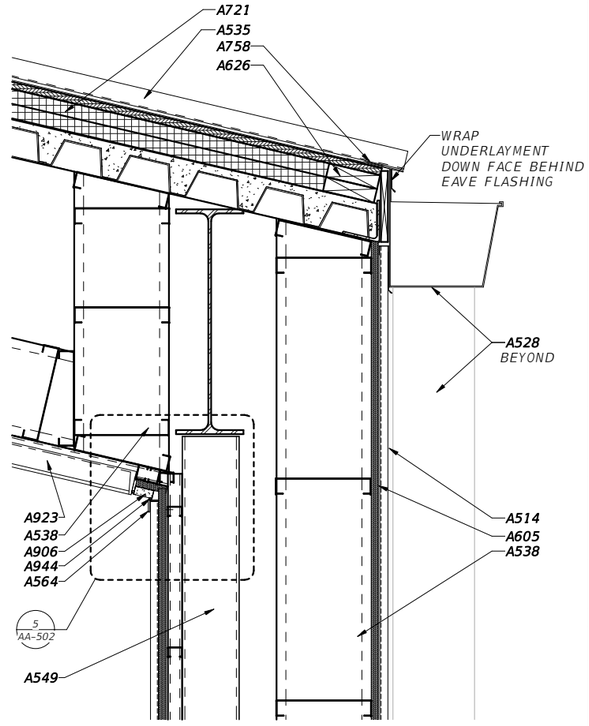
7 DETAIL
0' 2' 4' 8'



5 DETAIL
0' 3" 6" 1'

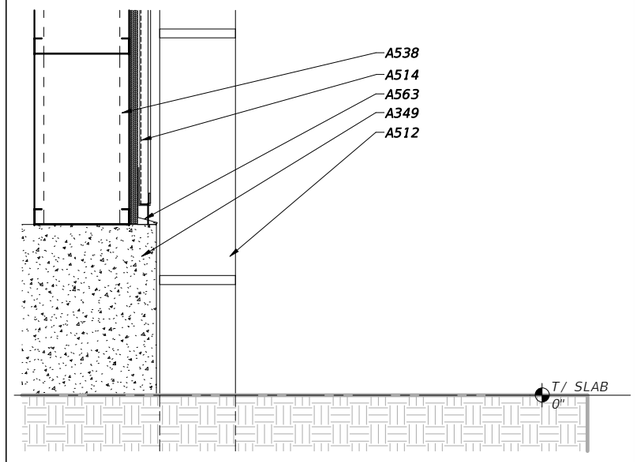


4 DETAIL
0' 3" 6" 1'

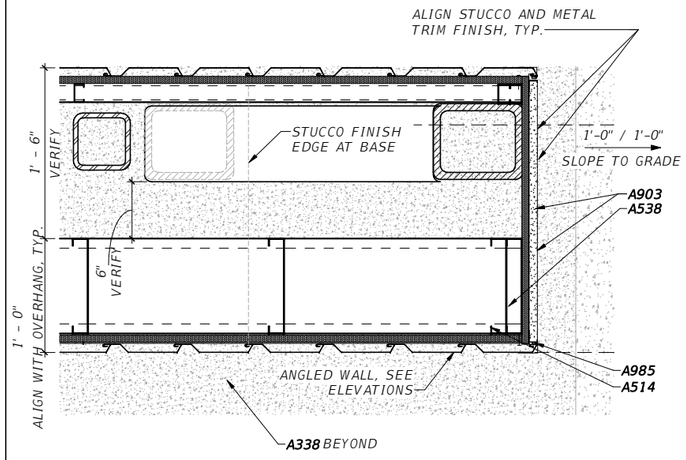


2 DETAIL
0' 6" 1' 2'

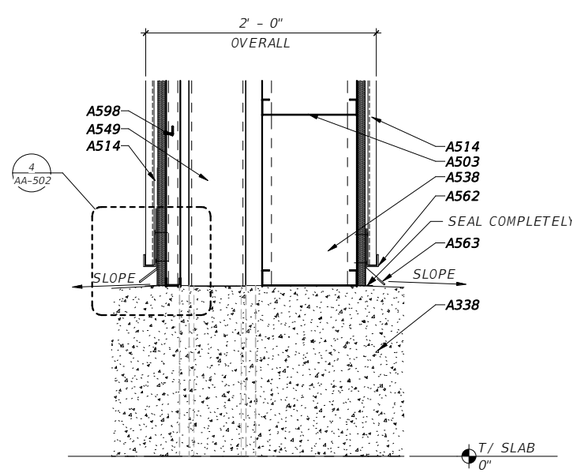
KEYNOTE LEGEND	
NO.	DESCRIPTION
A036	SITE LIGHTING, TYP., REFER TO ELECTRICAL
A338	CAST IN PLACE CONCRETE, REFER TO STRUCTURAL
A349	CAST IN PLACE CONCRETE BENCH, REFER TO 3/AC-113
A503	16 GA METAL STUD FRAMING INSTALLED PER METAL PANEL MFR REQUIREMENTS, TYP.
A512	METAL GUTTER AND DOWNSPOUT ASSEMBLY, TYP.
A514	ALUMINUM WALL PANEL SYSTEM INSTALLED PER MFR INSTRUCTIONS, TYP.
A528	METAL GUTTER & DOWNSPOUT SYSTEM BY METAL ROOF SYSTEM MANUFACTURER
A529	BRAKE METAL TRIM WITH CONT. CLEAT TO MATCH METAL WALL PANEL SYSTEM FINISH AS REQUIRED TO AVOID CONTACT BETWEEN DISSIMILAR METALS, TYP.
A535	STANDING SEAM METAL ROOFING SYSTEM WITH CONCEALED FASTENERS ON APPROVED 40 MIL PEEL & STICK UNDERLAYMENT ON APA RATED INSULATION/ PLYWOOD COMPOSITE SUBSTRATE, TYP.
A538	10" METAL STUD
A549	STRUCTURAL STEEL FRAMING, REFER TO STRUCTURAL, TYP.
A562	INSTALL METAL CHANNEL EDGE WITH BUTT END JOINTS FOR WEEP AND POSITIVE DRAINAGE, PER MANUFACTURER, TYP.
A563	METAL COUNTERFLASHING, MATCH METAL PANEL FINISH, AND SET IN A BED FULL OF BUTYL SEALANT, TYP.
A564	CONT. METAL CHANNEL TRIM FLASHING PER MANUFACTURER, TYP.
A579	1 1/2" METAL STUD @ 16" O.C
A590	METAL FLASHING
A598	1 1/2" 16 GA METAL STUDS, INSTALLED EVENLY SPACED @ 60" MAX HORIZONTALLY PER MANUFACTURER INSTALLATION REQUIREMENTS, TYP.
A605	3/4" PLYWOOD SHEATHING WITH 60 MIL PEEL & STICK MEMBRANE VAPOR RETARDER, TYP.
A626	PROVIDE ADDITIONAL 2X6 BLOCKING FASTENED TO 2X6 PLATE W/ 3/16" X 3 1/2" WOOD SCREWS @ 8" O.C. STAGGERED
A721	MIN. R-25 RIGID INSULATION BOARD, TYP
A758	4" CONT. APPROVED 40 MIL PEEL & STICK UNDERLAYMENT STRIP, TYP.
A901	7/8" STUCCO
A903	7/8" THICK GALV. METAL LATH & STUCCO SYSTEM ON 60 MIL PEEL & STICK MEMBRANE VAPOR RETARDER ON 3/4" PLYWOOD SHEATHING
A906	J-BEAD CONT.
A923	RECESSED LIGHTING FIXTURE, REFER TO ELECTRICAL, TYP.
A944	1/4" JOINT W/ BACKER ROD AND SEALANT CONT.
A985	BACKER ROD AND SEALANT CONT.



6 DETAIL
0' 6" 1' 2'



3 DETAIL
0' 6" 1' 2'



1 DETAIL
0' 6" 1' 2'

ROOF PLAN NOTES:

1. ROOF AREA DRAINAGE CALCULATIONS BASED ON SHEET METAL & AIR CONDITIONING CONTRACTORS' NATIONAL ASSOCIATION (SMACNA) DOWNSPOUT & GUTTER SIZING CALCULATOR:
   - *100 YEAR STORM (RAINFALL INTENSITY OF 10.8 IN/HR FOR RAINFALL AVERAGES IN TAMPA)

ROOF DESIGN AREA "A":
TOTAL AREA = 23,035 SF
- *GUTTER LENGTH SERVING DESIGN AREA = 240'-0"
- *8.5" X 11" GUTTER REQUIRED PER SMACNA
- *9" x 12" GUTTER PROVIDED
- *8" ROUND DOWNSPOUTS REQUIRED (5 TOTAL)
- *10" x 10" DOWNSPOUTS PROVIDED (5 TOTAL)

ROOF DESIGN AREA "B":
TOTAL AREA = 4,480 SF
- *GUTTER LENGTH SERVING DESIGN AREA = 261'-0"
- *4.5" X 6" GUTTER REQUIRED PER SMACNA
- *6" x 10" GUTTER PROVIDED
- *3" x 4" RECTANGULAR DOWNSPOUTS REQUIRED (6 TOTAL)
  - 6 x 12 SQIN = 72 SQIN TOTAL REQUIRED
- *8" x 12" DOWNSPOUT PROVIDED (2 TOTAL) = 192 SQIN

No.	Date	Issue / Revision

ERIC LUTTMANN, AIA
AR 97111

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607

FLORIDA-ALABAMA TPO

ROAD NAME	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

PANEL AND SOFFIT DETAILS (1)

DWG NO. AA-502
SHEET NO.

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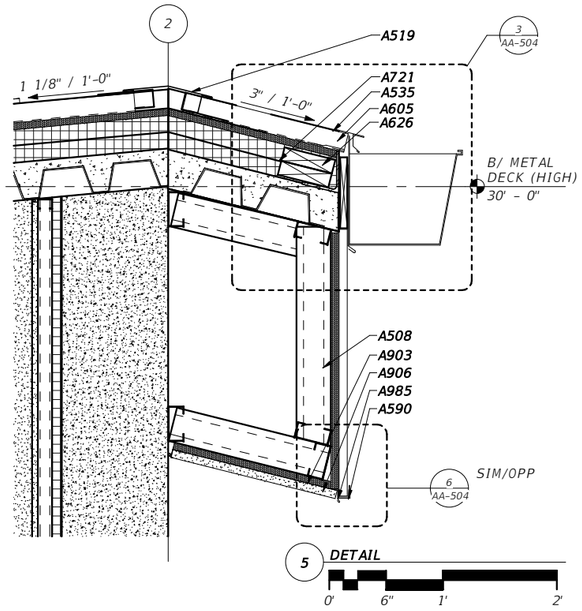
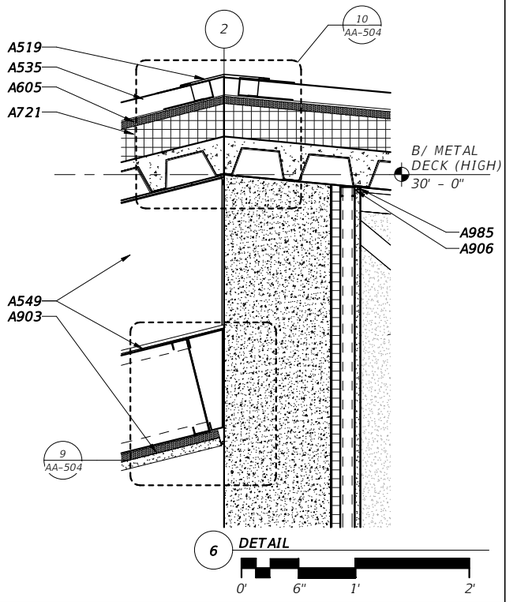
GENERAL DISCLAIMER: TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARD AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH FBC 110.8.4.4 AND CHAPTER 63, FLORIDA STATUTES.



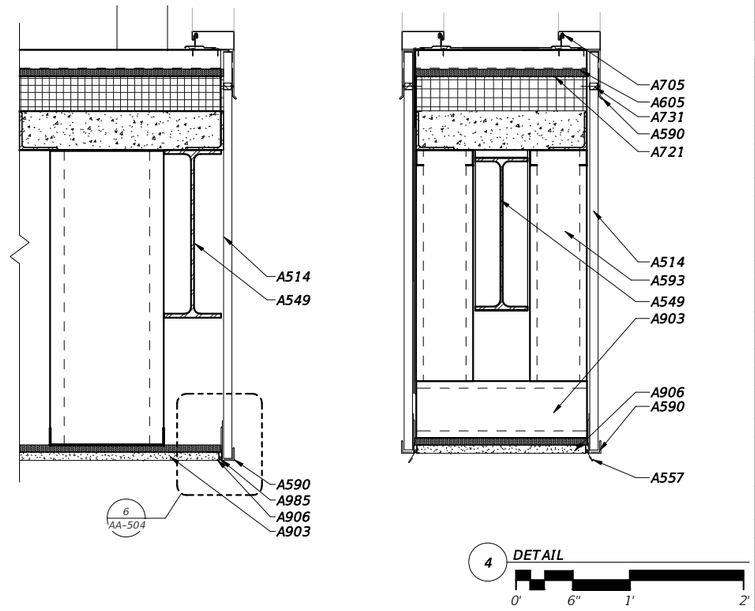
5 DETAIL

0' 6" 1' 2'



6 DETAIL

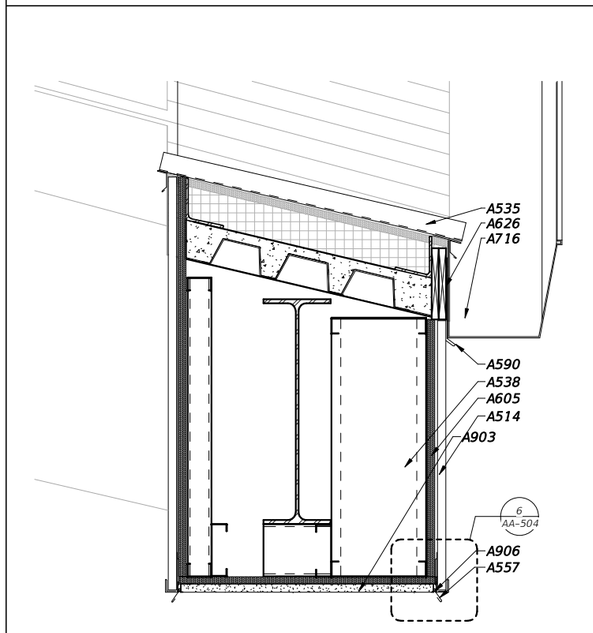
0' 6" 1' 2'



4 DETAIL

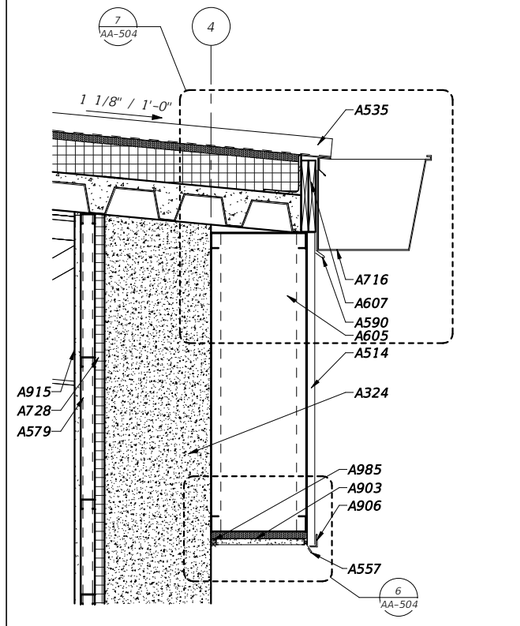
0' 6" 1' 2'

KEYNOTE LEGEND	
NO.	DESCRIPTION
A324	CONCRETE TILT UP PANEL, TYP.
A347	COMPOSITE ROOF COMPOSED OF METAL DECK, CONCRETE TOPPING, RIGID INSULATION, AND METAL STANDING SEAM ROOFING SYSTEM
A508	3 5/8" METAL STUDS @ 16" O.C.
A514	ALUMINUM WALL PANEL SYSTEM INSTALLED PER MFR INSTRUCTIONS, TYP.
A519	METAL ROOF RIDGE, TYP.
A535	STANDING SEAM METAL ROOFING SYSTEM WITH CONCEALED FASTENERS ON APPROVED 40 MIL PEEL & STICK UNDERLAYMENT ON APA RATED INSULATION/ PLYWOOD COMPOSITE SUBSTRATE, TYP.
A538	10" METAL STUD
A549	STRUCTURAL STEEL FRAMING, REFER TO STRUCTURAL, TYP.
A557	DRIP EDGE BY MFR, TYP.
A579	1 1/2" METAL STUD @ 16" O.C
A590	METAL FLASHING
A593	6" METAL STUD
A605	3/4" PLYWOOD SHEATHING WITH 60 MIL PEEL & STICK MEMBRANE VAPOR RETARDER, TYP.
A607	2X P.T. PLATE CONT., CUT TO FIT
A626	PROVIDE ADDITIONAL 2X6 BLOCKING FASTENED TO 2X6 PLATE W/ 3/16" X 3 1/2" WOOD SCREWS @ 8" O.C. STAGGERED
A705	FABRICATED METAL FASCIA SYSTEM WITH CONT. CLEAT & DRIP EDGE, TYP.
A716	FABRICATED METAL GUTTER SYSTEM
A721	MIN. R-25 RIGID INSULATION BOARD, TYP
A728	1" R-5.7 RIGID INSULATION BOARD GLUED TO TILT PANELS CONTINUOUS TO DECK, TYP
A731	RUBBER CLOSURE, PER MFR.
A903	7/8" THICK GALV. METAL LATH & STUCCO SYSTEM ON 60 MIL PEEL & STICK MEMBRANE VAPOR RETARDER ON 3/4" PLYWOOD SHEATHING
A906	J-BEAD CONT.
A915	5/8" GYPSUM WALL BOARD, TYP.
A985	BACKER ROD AND SEALANT CONT.



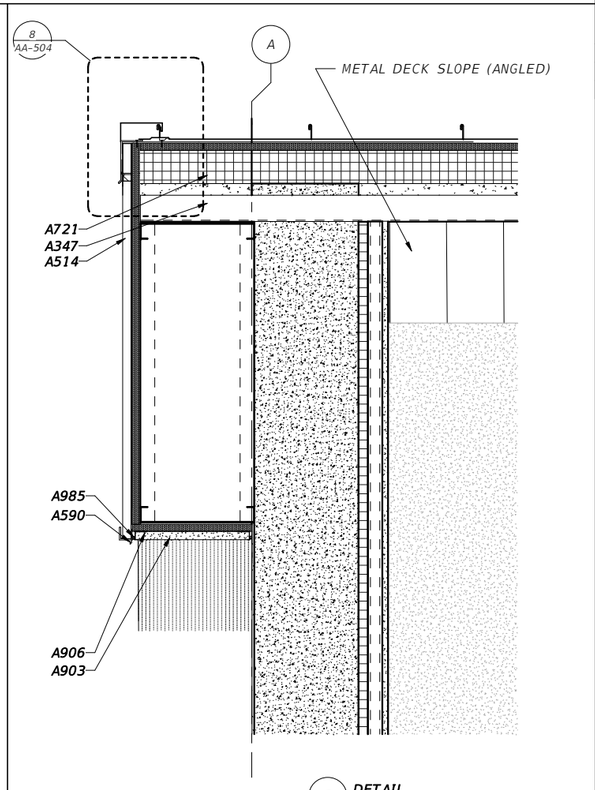
3 DETAIL

0' 6" 1' 2'



1 DETAIL

0' 6" 1' 2'



2 DETAIL

0' 6" 1' 2'

No.	Date	Issue / Revision

ERIC LUTTMANN, AIA
AR 97111

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607

FLORIDA-ALABAMA TPO

ROAD NAME	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

PANEL AND SOFFIT DETAILS (2)

DWG NO. AA-503

SHEET NO.

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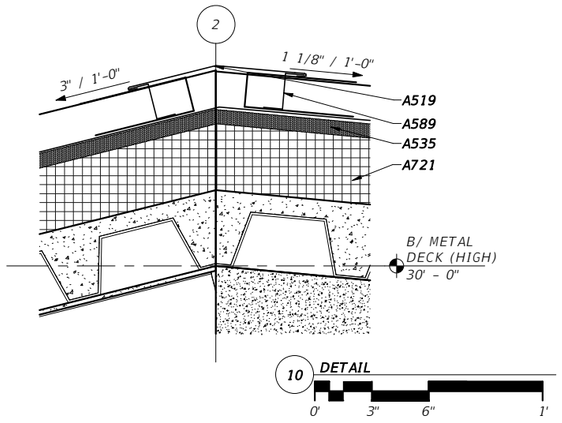
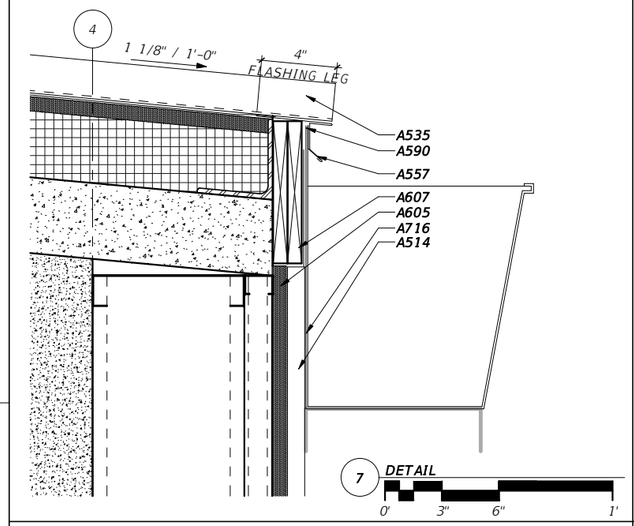
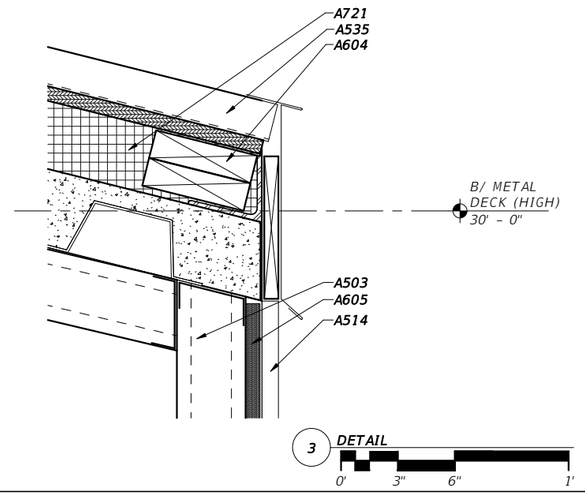
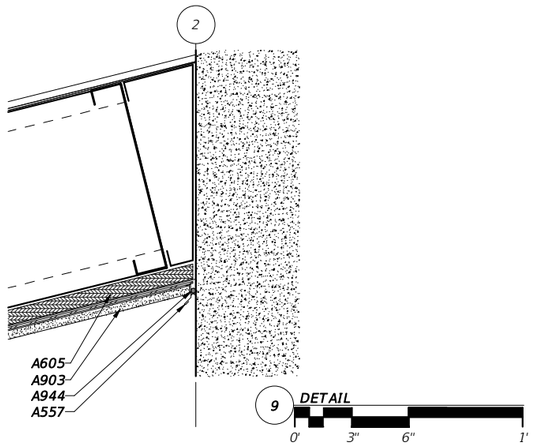
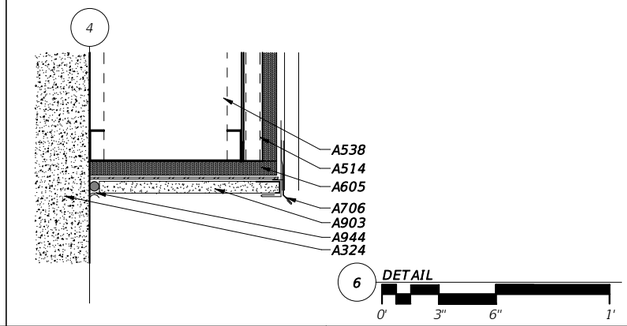


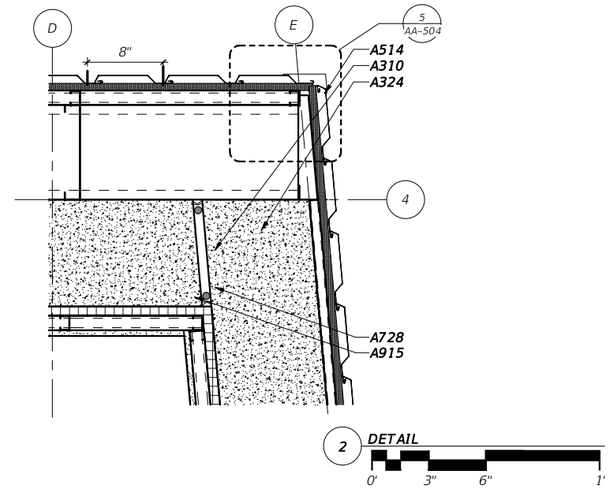


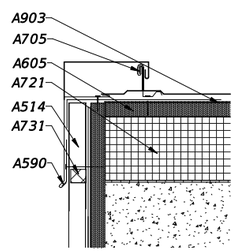


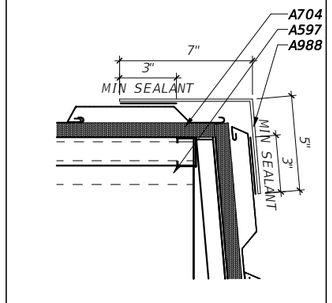
KEYNOTE LEGEND	
NO.	DESCRIPTION
A310	TILT-UP PANEL JOINT WITH BACKER ROD & SEALANT CONT. ALL AROUND, TYP.
A324	CONCRETE TILT UP PANEL, TYP.
A503	16 GA METAL STUD FRAMING INSTALLED PER METAL PANEL MFR REQUIREMENTS, TYP.
A514	ALUMINUM WALL PANEL SYSTEM INSTALLED PER MFR INSTRUCTIONS, TYP.
A519	METAL ROOF RIDGE, TYP.
A522	1" METAL STUD
A535	STANDING SEAM METAL ROOFING SYSTEM WITH CONCEALED FASTENERS ON APPROVED 40 MIL PEEL & STICK UNDERLAYMENT ON APA RATED INSULATION/ PLYWOOD COMPOSITE SUBSTRATE, TYP.
A538	10" METAL STUD
A557	DRIP EDGE BY MFR, TYP.
A579	1 1/2" METAL STUD @ 16" O.C
A589	RIDGE FLASHING AND Z-CLOSURE PLATE BY MFR, TYP.
A590	METAL FLASHING
A597	12" METAL STUD
A604	2X6 P.T. PLATE CONT.
A605	3/4" PLYWOOD SHEATHING WITH 60 MIL PEEL & STICK MEMBRANE VAPOR RETARDER, TYP.
A607	2X P.T. PLATE CONT., CUT TO FIT
A704	FABRICATED METAL WALL COPING SYSTEM
A705	FABRICATED METAL FASCIA SYSTEM WITH CONT. CLEAT & DRIP EDGE, TYP.
A706	FABRICATED METAL FLASHING SYSTEM WITH CONT. CLEAT & DRIP EDGE
A716	FABRICATED METAL GUTTER SYSTEM
A721	MIN. R-25 RIGID INSULATION BOARD, TYP
A728	1" R-5.7 RIGID INSULATION BOARD GLUED TO TILT PANELS CONTINUOUS TO DECK, TYP
A731	RUBBER CLOSURE, PER MFR.
A903	7/8" THICK GALV. METAL LATH & STUCCO SYSTEM ON 60 MIL PEEL & STICK MEMBRANE VAPOR RETARDER ON 3/4" PLYWOOD SHEATHING
A915	5/8" GYPSUM WALL BOARD, TYP.
A944	1/4" JOINT W/ BACKER ROD AND SEALANT CONT.
A988	FINISH ALUMINUM BREAK METAL TRIM SET IN FULL BED OF SEALANT

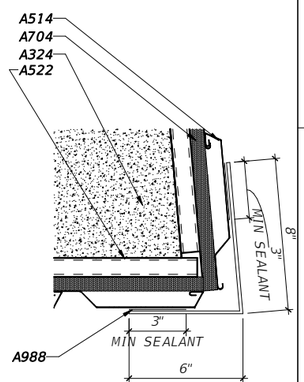


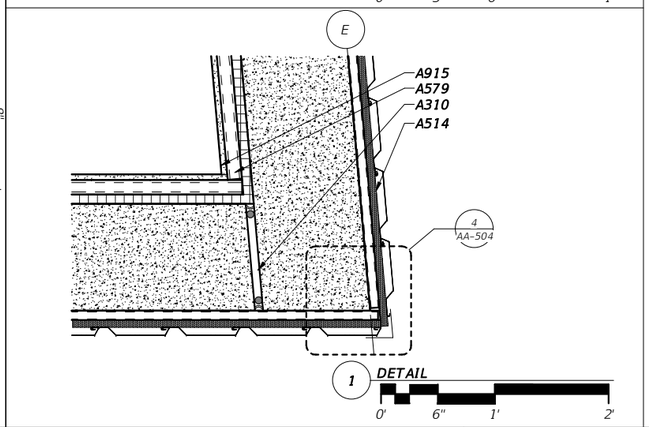












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No.	Date	Issue / Revision

ERIC LUTTMANN, AIA
AR 97111

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607

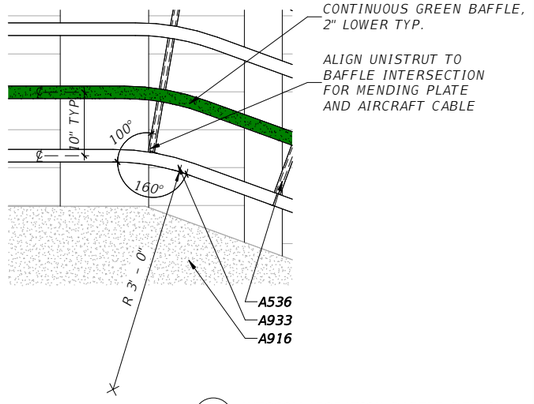
FLORIDA-ALABAMA TPO

ROAD NAME	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

PANEL AND SOFFIT DETAILS (3)

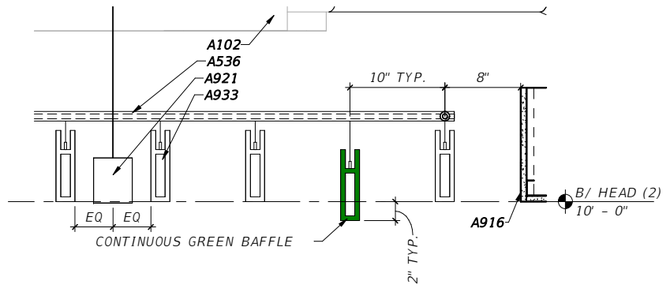
DWG NO. AA-504

SHEET NO.



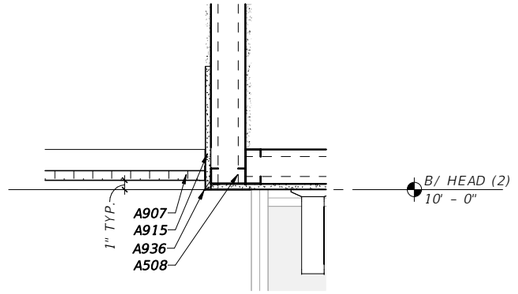
9 AUTOCOLLABORATION BAFFLE DETAIL

0' 6" 1' 2'



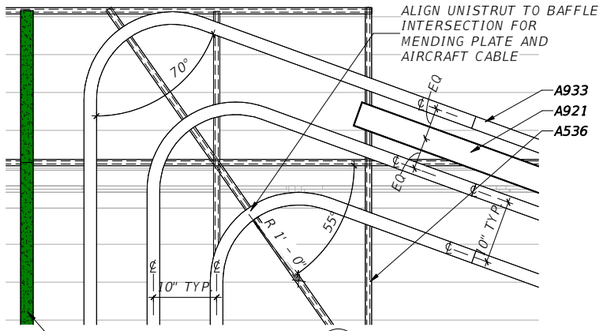
6 AUTO COLLABORATION BAFFLE DETAIL

0' 6" 1' 2'



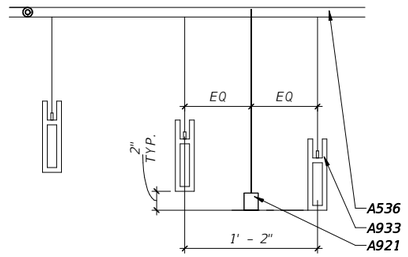
3 DETAIL

0' 6" 1' 2'



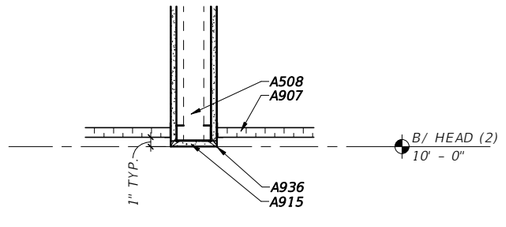
8 OPEN OFFICE BAFFLE DETAIL

0' 6" 1' 2'



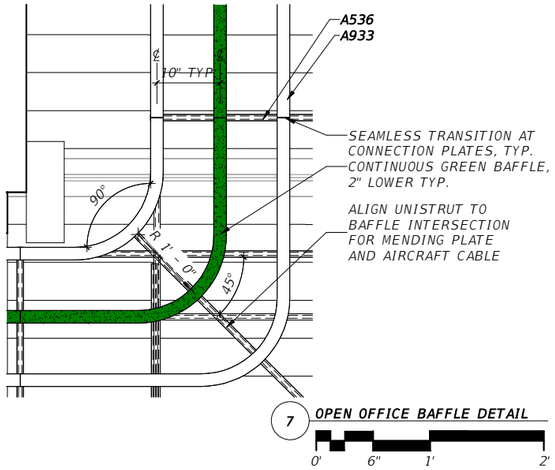
5 CONTROL ROOM BAFFLE DETAIL

0' 6" 1' 2'



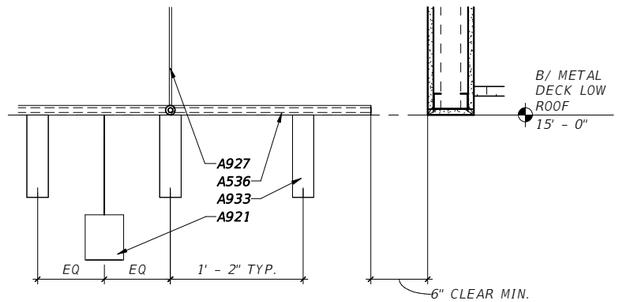
2 DETAIL

0' 3" 6" 1'



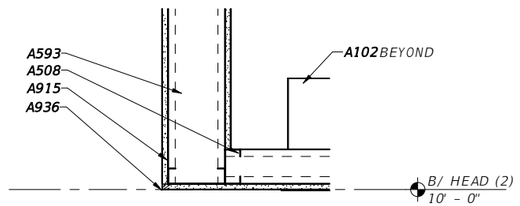
7 OPEN OFFICE BAFFLE DETAIL

0' 6" 1' 2'



4 TPO BAFFLE DETAIL

0' 6" 1' 2'



ALL NOTES ON DETAIL 1 ARE TYPICAL AND APPLY TO OTHER DETAILS

1 DETAIL

0' 3" 6" 1'

KEYNOTE LEGEND

NO.	DESCRIPTION
A102	HVAC EQUIPMENT, REFER TO MECHANICAL, TYP.
A508	3 5/8" METAL STUDS @ 16" O.C.
A536	SUSPENDED 1" X 1" METAL UNISTRUT SYSTEM, SIZE APPROPRIATELY TO ATTACH LIGHTING FIXTURES
A593	6" METAL STUD
A907	SUSPENDED ACOUSTICAL CEILING SYSTEM
A915	5/8" GYPSUM WALL BOARD, TYP.
A916	5/8" GYPSUM WALL BOARD SOFFIT SYSTEM, TYP.
A921	SUSPENDED LIGHT FIXTURE CENTERED EVENLY BETWEEN ACOUSTICAL BAFFLES, REFER TO ELECTRICAL, TYP.
A927	UNISTRUT CABLE CONNECTION TO DECK
A933	FREEFORM ACOUSTIC CEILING BAFFLE SYSTEM
A936	CORNER BEAD CONT.

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No.	Date	Issue / Revision

ERIC LUTTMANN, AIA
AR 97111

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607

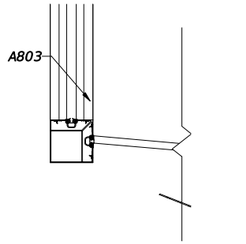
FLORIDA-ALABAMA TPO

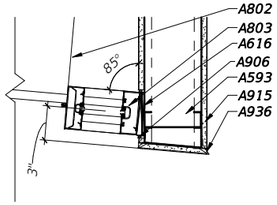
ROAD NAME	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

CEILING AND BAFFLE DETAILS

DWG NO. AA-505

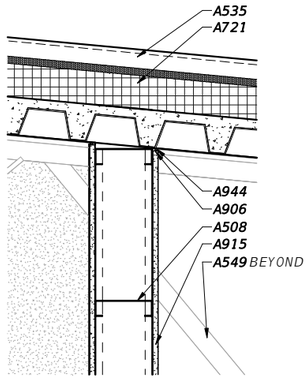
SHEET NO.



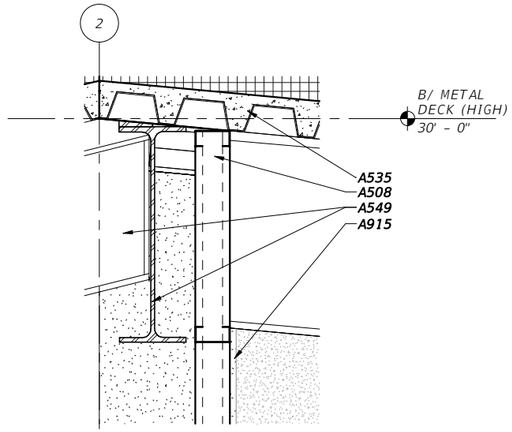


11 DETAIL 0' 6" 1' 2'

10 DETAIL 0' 6" 1' 2'

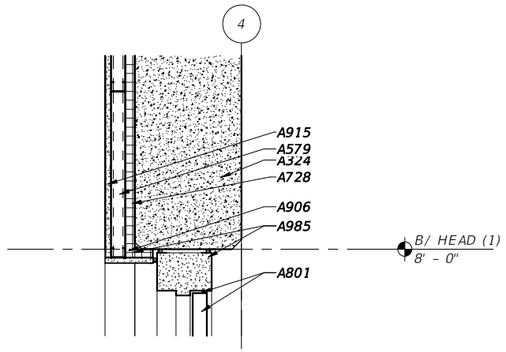


7 DETAIL 0' 6" 1' 2'

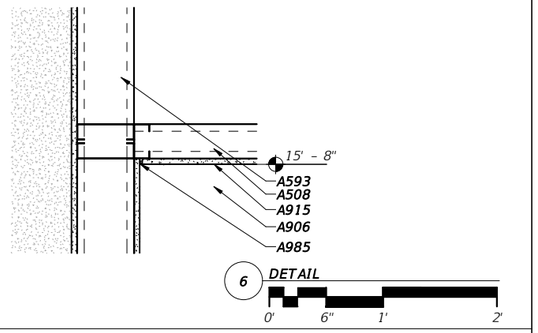


3 DETAIL 0' 6" 1' 2'

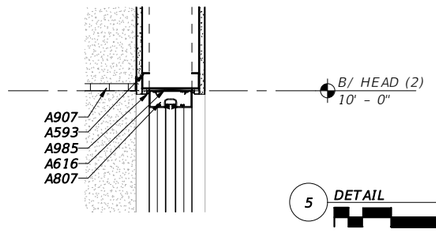
KEYNOTE LEGEND	
NO.	DESCRIPTION
A004	CONCRETE SIDEWALKS & SITE SLABS ON GRADE, REFER TO CIVIL FOR ADDITIONAL INFORMATION
A302	REINFORCED CONCRETE SLAB, REFER TO STRUCTURAL
A306	1/2" PREFORMED WATERPROOF, SEMI-RIGID JOINT FILLER CONTINUOUS, TYP.
A308	COMPACTED FILL, TYP.
A309	MEMBRANE VAPOR BARRIER WITH SLAB EDGES SEALED PER MANUFACTURER'S RECOMMENDED INSTALLATION INSTRUCTIONS, TYP.
A324	CONCRETE TILT UP PANEL, TYP.
A508	3 5/8" METAL STUDS @ 16" O.C.
A535	STANDING SEAM METAL ROOFING SYSTEM WITH CONCEALED FASTENERS ON APPROVED 40 MIL PEEL & STICK UNDERLAYMENT ON APA RATED INSULATION/ PLYWOOD COMPOSITE SUBSTRATE, TYP.
A549	STRUCTURAL STEEL FRAMING, REFER TO STRUCTURAL, TYP.
A579	1 1/2" METAL STUD @ 16" O.C
A593	6" METAL STUD
A596	3 5/8" METAL STUDS WITH 5/8" GYP
A616	SHIM AS REQUIRED, TYP.
A720	SEALANT CONT ALL AROUND
A721	MIN. R-25 RIGID INSULATION BOARD, TYP
A728	1" R-5.7 RIGID INSULATION BOARD GLUED TO TILT PANELS CONTINUOUS TO DECK, TYP
A801	HOLLOW METAL DOOR & FULLY GROUTED FRAME
A802	ALUMINUM STOREFRONT DOOR
A803	ALUMINUM STOREFRONT SYSTEM
A807	INTERIOR STOREFRONT SYSTEM, TYP
A809	ADA COMPLIANT METAL THRESHOLD SET IN FULL BED OF SEALANT
A832	SOLID WOOD DOOR AND FRAME, TYP.
A906	J-BEAD CONT.
A907	SUSPENDED ACOUSTICAL CEILING SYSTEM
A915	5/8" GYPSUM WALL BOARD, TYP.
A936	CORNER BEAD CONT.
A944	1/4" JOINT W/ BACKER ROD AND SEALANT CONT.
A985	BACKER ROD AND SEALANT CONT.



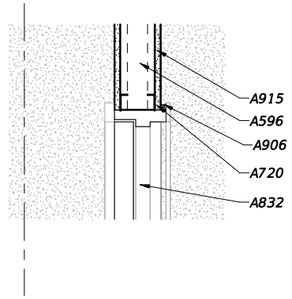
9 DETAIL 0' 6" 1' 2'



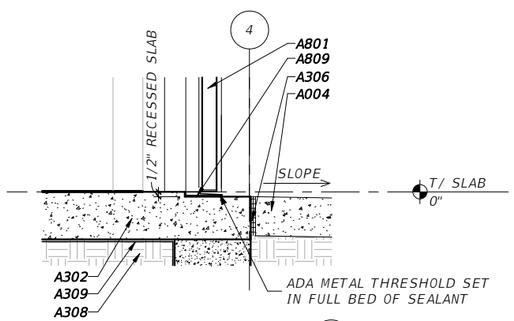
6 DETAIL 0' 6" 1' 2'



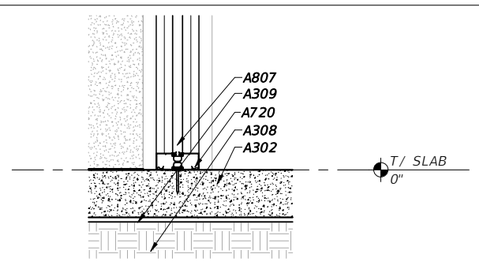
5 DETAIL 0' 6" 1' 2'



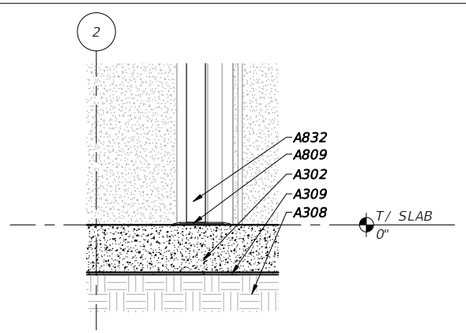
2 DETAIL 0' 6" 1' 2'



8 DETAIL 0' 6" 1' 2'



4 DETAIL 0' 6" 1' 2'



1 DETAIL 0' 6" 1' 2'

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No.	Date	Issue / Revision

ERIC LUTTMANN, AIA
AR 97111

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607

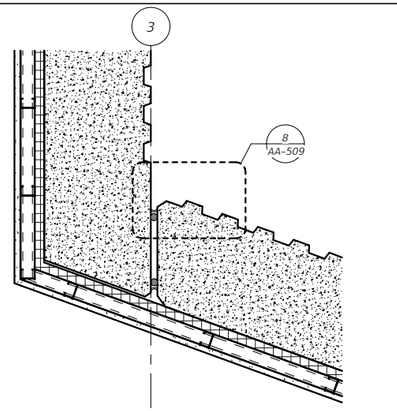
FLORIDA-ALABAMA TPO

ROAD NAME	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

DETAILS (1)

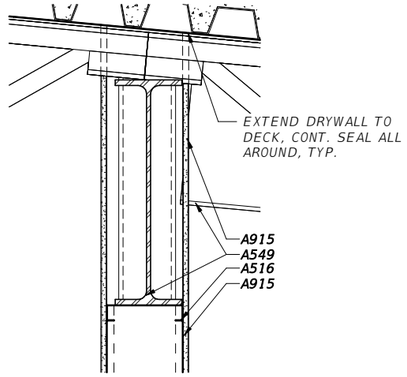
DWG NO. AA-506

SHEET NO.



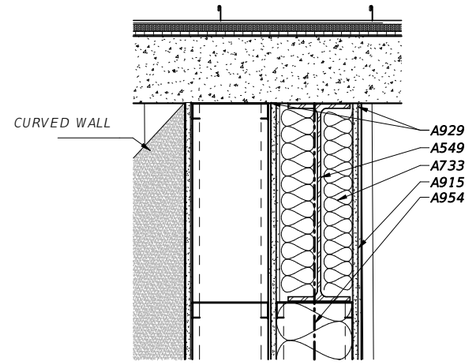
9 DETAIL

0' 6" 1' 2'



6 DETAIL

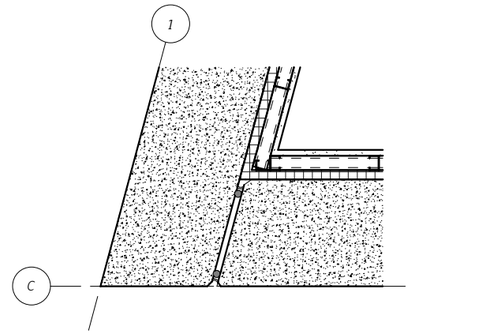
0' 6" 1' 2'



3 DETAIL

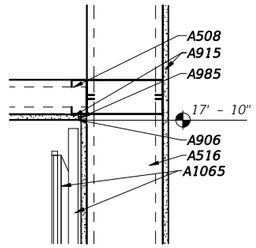
0' 6" 1' 2'

KEYNOTE LEGEND	
NO.	DESCRIPTION
A301	REINFORCED CONCRETE FOUNDATION, REFER TO STRUCTURAL
A306	1/2" PREFORMED WATERPROOF, SEMI-RIGID JOINT FILLER CONTINUOUS, TYP.
A308	COMPACTED FILL, TYP.
A309	MEMBRANE VAPOR BARRIER WITH SLAB EDGES SEALED PER MANUFACTURER'S RECOMMENDED INSTALLATION INSTRUCTIONS, TYP.
A508	3 5/8" METAL STUDS @ 16" O.C.
A516	8" METAL STUD
A549	STRUCTURAL STEEL FRAMING, REFER TO STRUCTURAL, TYP.
A579	1 1/2" METAL STUD @ 16" O.C
A728	1" R-5.7 RIGID INSULATION BOARD GLUED TO TILT PANELS CONTINUOUS TO DECK, TYP
A733	FRICTION FIT ACOUSTIC FIBERGLASS BATT INSULATION, TYP.
A906	J-BEAD CONT.
A915	5/8" GYPSUM WALL BOARD, TYP.
A929	FIRE RATED WALLS SHALL BE COPED NEATLY TO DECK, FIRE CAULKED & CONT. SEALED AROUND AS REQUIRED PER APPROVED UL ASSEMBLY DETAIL REQUIREMENTS AS BASIS OF DESIGN, TYP.
A954	PROVIDE UL DESIGN U419 AS BASIS OF DESIGN FOR FIRE RATED ENCLOSURE. SUBMIT TEST ASSEMBLY DETAILS FOR APPROVAL.
A966	2 1/2" RESILIENT WALL BASE
A985	BACKER ROD AND SEALANT CONT.
A994	RAISED FLOOR SYSTEM AND PANELS OF SOLID MATERIAL, TYP.
A1065	VIDEO SCREEN MONITORS INSTALLED ON ASSOCIATED RAIL SYSTEM, REFER TO ITS.



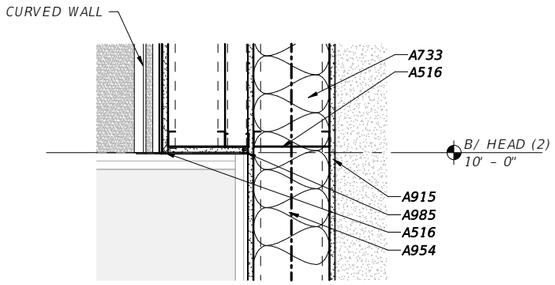
8 DETAIL

0' 6" 1' 2'



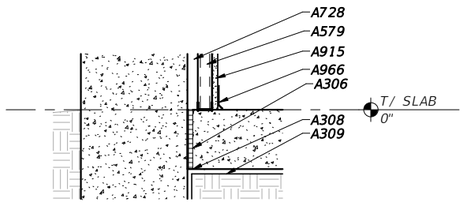
5 DETAIL

0' 6" 1' 2'



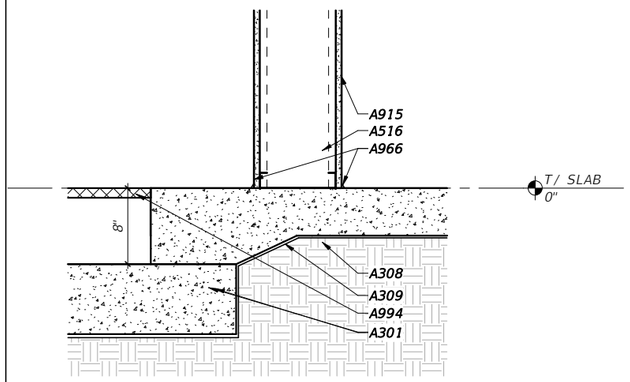
2 DETAIL

0' 6" 1' 2'



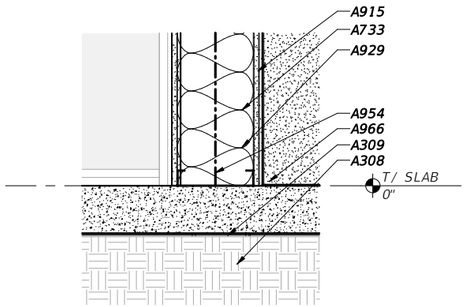
7 DETAIL

0' 6" 1' 2'



4 DETAIL

0' 6" 1' 2'



1 DETAIL

0' 6" 1' 2'

ALL NOTES ON DETAIL 1 ARE TYPICAL AND APPLY TO OTHER DETAILS

No.	Date	Issue / Revision

ERIC LUTTMANN, AIA
AR 97111

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607

FLORIDA-ALABAMA TPO

ROAD NAME	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

DETAILS (2)

DWG NO.
AA-507
SHEET NO.

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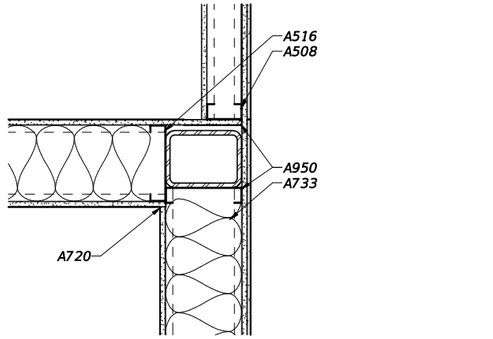
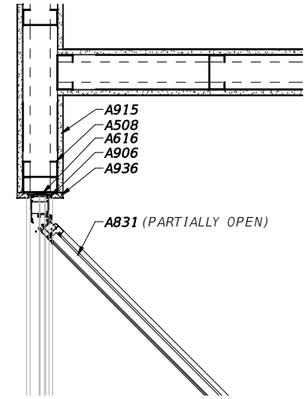


6 DETAIL

0' 6" 1' 2'

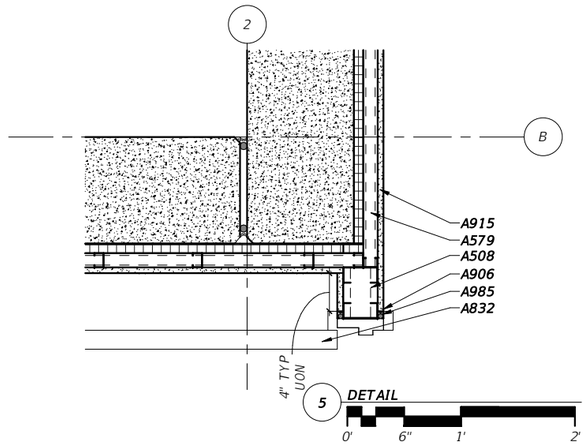


3 DETAIL

0' 6" 1' 2'

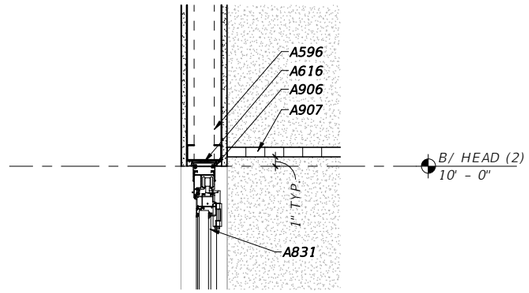
KEYNOTE LEGEND

NO.	DESCRIPTION
A302	REINFORCED CONCRETE SLAB, REFER TO STRUCTURAL
A308	COMPACTED FILL, TYP.
A309	MEMBRANE VAPOR BARRIER WITH SLAB EDGES SEALED PER MANUFACTURER'S RECOMMENDED INSTALLATION INSTRUCTIONS, TYP.
A508	3 5/8" METAL STUDS @ 16" O.C.
A516	8" METAL STUD
A579	1 1/2" METAL STUD @ 16" O.C
A593	6" METAL STUD
A596	3 5/8" METAL STUDS WITH 5/8" GYP
A616	SHIM AS REQUIRED, TYP.
A720	SEALANT CONT ALL AROUND
A733	FRICTION FIT ACOUSTIC FIBERGLASS BATT INSULATION, TYP.
A807	INTERIOR STOREFRONT SYSTEM, TYP
A831	ALUMINUM BI-FOLD DOOR SYSTEM
A832	SOLID WOOD DOOR AND FRAME, TYP.
A906	J-BEAD CONT.
A907	SUSPENDED ACOUSTICAL CEILING SYSTEM
A915	5/8" GYPSUM WALL BOARD, TYP.
A936	CORNER BEAD CONT.
A950	ALL FIRE RATED WALLS SHALL BE COPED NEATLY TO DECK, FIRE CAULKED & SEALED AS REQUIRED PER APPROVED UL ASSEMBLY DETAIL REQUIREMENTS AS BASIS OF DESIGN, TYP.
A985	BACKER ROD AND SEALANT CONT.



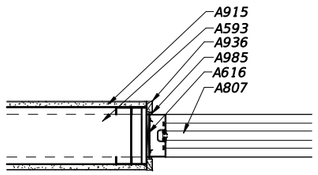
5 DETAIL

0' 6" 1' 2'



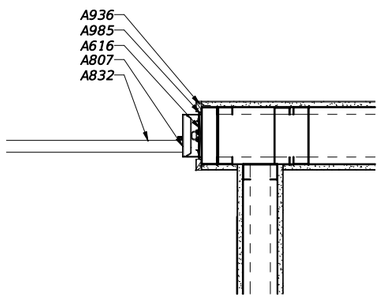
2 DETAIL

0' 6" 1' 2'



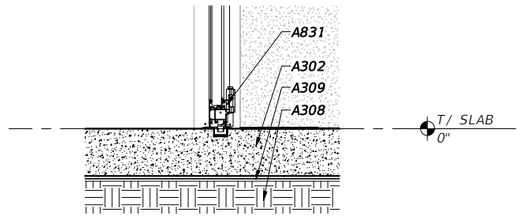
7 DETAIL

0' 6" 1' 2'



4 DETAIL

0' 6" 1' 2'



ALL NOTES ON DETAIL 1 ARE TYPICAL AND APPLY TO OTHER DETAILS

1 DETAIL

0' 6" 1' 2'

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No.	Date	Issue / Revision

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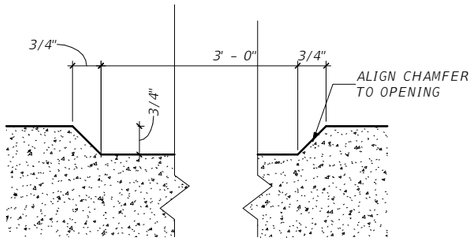
SUITE 375
TAMPA, FL 33607

FLORIDA-ALABAMA TPO

ROAD NAME	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

DETAILS (3)

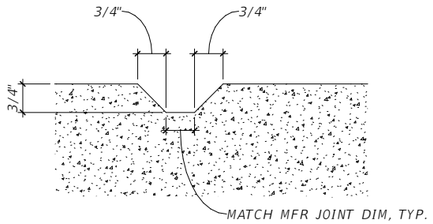
DWG NO.
AA-508
SHEET NO.



REVEAL PROFILE NOTE:
STOP REVEAL AT GRADE FOR FLUSH JOINT AT SIDEWALK CONDITIONS, TYP.

9 PANEL REVEAL

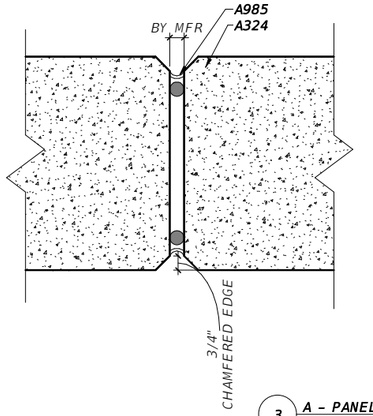
0' 1 ½" 3" 6"



REVEAL PROFILE NOTE:
STOP REVEAL AT GRADE FOR FLUSH JOINT AT SIDEWALK CONDITIONS, TYP.

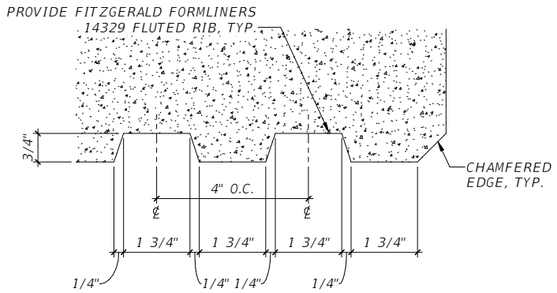
6 PANEL REVEAL

0' 1 ½" 3" 6"



3 A - PANEL JOINT

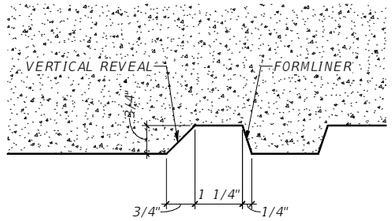
0' 3" 6" 1'



REVEAL PROFILE NOTE:
STOP REVEAL AT GRADE FOR FLUSH JOINT AT SIDEWALK CONDITIONS, TYP.

8 FORMLINER PROFILE

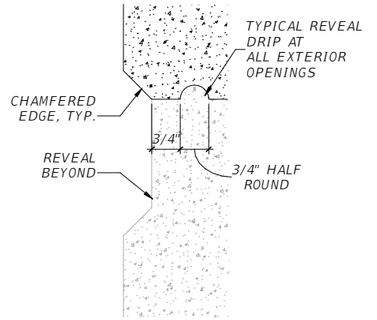
0' 1 ½" 3" 6"



REVEAL PROFILE NOTE:
STOP REVEAL AT GRADE FOR FLUSH JOINT AT SIDEWALK CONDITIONS, TYP.

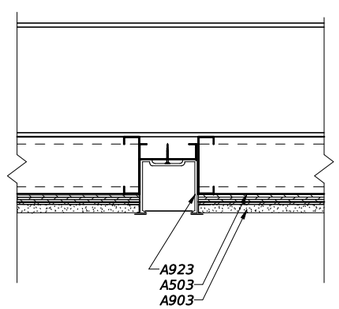
5 REVEAL TRANSITION

0' 1 ½" 3" 6"



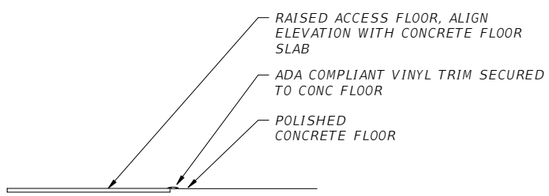
2 TILT PANEL PROFILE DETAILS

0' 1 ½" 3" 6"



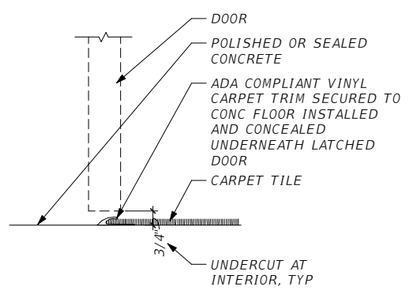
7 LIGHT AT SOFFIT DETAIL

0' 6" 1' 2'



4 TRANSITION DETAIL

0' 3" 6" 1'



1 THRESHOLD DETAIL

0' 3" 6" 1'

KEYNOTE LEGEND

NO.	DESCRIPTION
A324	CONCRETE TILT UP PANEL, TYP.
A503	16 GA METAL STUD FRAMING INSTALLED PER METAL PANEL MFR REQUIREMENTS, TYP.
A903	7/8" THICK GALV. METAL LATH & STUCCO SYSTEM ON 60 MIL PEEL & STICK MEMBRANE VAPOR RETARDER ON 3/4" PLYWOOD SHEATHING
A923	RECESSED LIGHTING FIXTURE, REFER TO ELECTRICAL, TYP.
A985	BACKER ROD AND SEALANT CONT.

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No.	Date	Issue / Revision

ERIC LUTTMANN, AIA
AR 97111

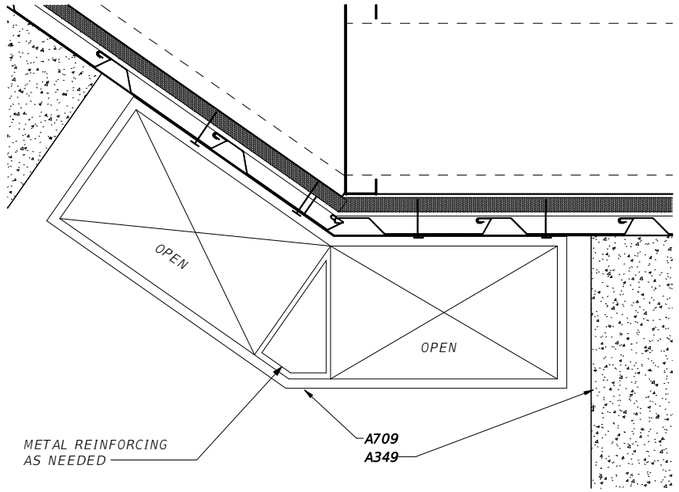
WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607

FLORIDA-ALABAMA TPO

ROAD NAME	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

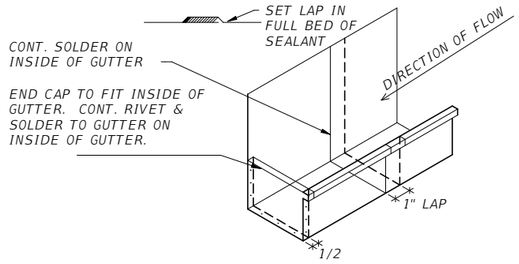
TYPICAL DETAILS

DWG NO.
AA-509
SHEET NO.



7 **FABRICATED DOWNSPOUT**
0' 3" 6" 1'

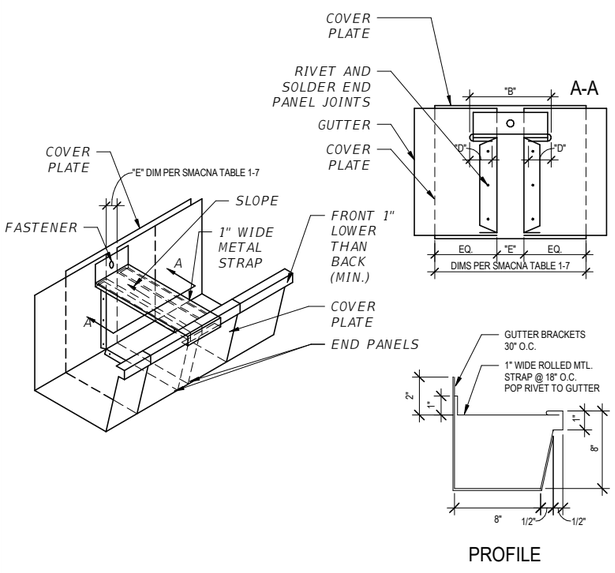
FOLD END OF GUTTER SHEETS BEFORE BENDING TO GUTTER PROFILE TO PROVIDE NESTING OF GUTTER SECTIONS.



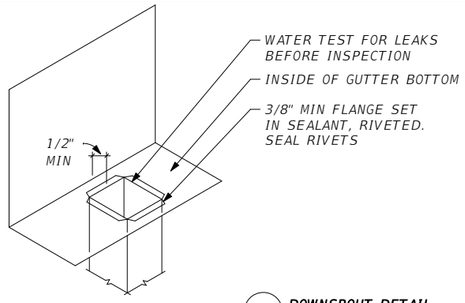
3 **GUTTER DETAIL**
NOT TO SCALE

KEYNOTE LEGEND

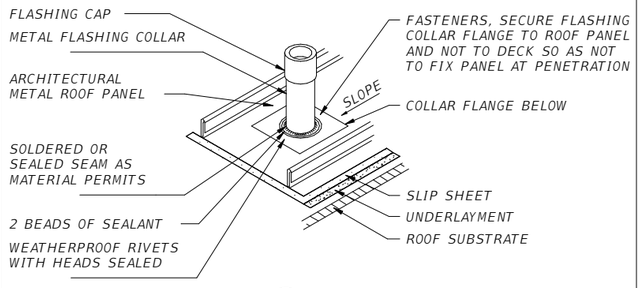
NO.	DESCRIPTION
A349	CAST IN PLACE CONCRETE BENCH, REFER TO 3/AC-113
A709	FABRICATED METAL DOWNSPOUT SYSTEM



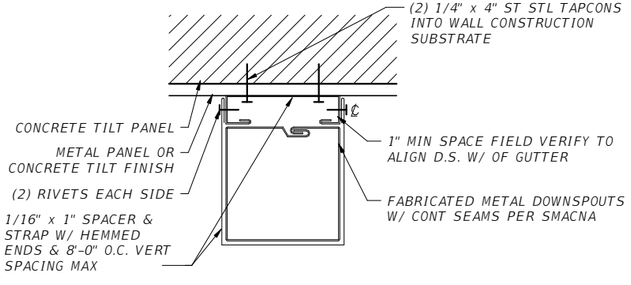
6 **GUTTER DETAIL**
NOT TO SCALE



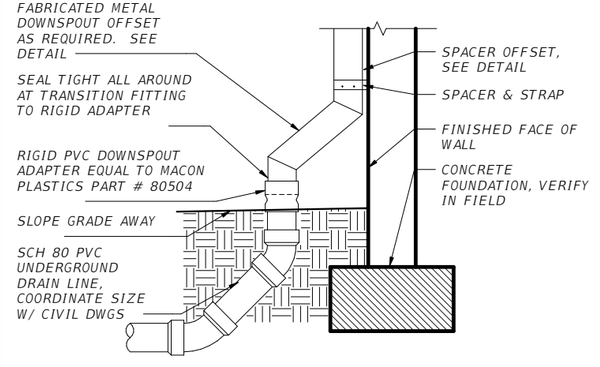
5 **DOWNSPOUT DETAIL**
NOT TO SCALE



2 **NRCA PLUMBING VENT FLASHING DETAIL**
NOT TO SCALE



4 **DOWNSPOUT DETAIL**
NOT TO SCALE



1 **DRAIN HUB DETAIL**
NOT TO SCALE

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No.	Date	Issue / Revision

ERIC LUTTMANN, AIA
AR 97111

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607

FLORIDA-ALABAMA TPO

ROAD NAME	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

ROOF DETAILS

DWG NO. AA-510
SHEET NO.

DOOR SCHEDULE

DOOR								FRAME			REMARKS
NO.	TYPE	PAIR	WIDTH	HEIGHT	MATERIAL	RATING	FINISH	TYPE	MATERIAL	FINISH	
101	1	--	3' - 0"	7' - 0"	SCW	--	WD	--	ALUM	MFR	
102	1	--	3' - 0"	7' - 0"	SCW	--	WD	--	ALUM	MFR	
103	1	--	3' - 0"	7' - 0"	SCW	--	WD	--	ALUM	MFR	
104	1	--	3' - 0"	7' - 0"	SCW	--	WD	--	ALUM	MFR	
105	1	--	3' - 0"	7' - 0"	SCW	--	WD	--	ALUM	MFR	
106	1	--	3' - 0"	7' - 0"	SCW	--	WD	a	HM	P/G	ELECTRONIC SECURED
107A	1	--	3' - 0"	7' - 0"	SCW	--	WD	a	HM	P/G	ELECTRONIC SECURED
107B	1	--	3' - 0"	7' - 0"	SCW	--	WD	a	HM	P/G	ELECTRONIC SECURED
108A	1	--	3' - 0"	7' - 0"	SCW	--	WD	a	HM	P/G	
108B	2	--	3' - 0"	7' - 0"	ALUM	--	MFR	a	ALUM	MFR	
109	1	--	3' - 0"	7' - 0"	SCW	--	WD	a	HM	P/G	
110	1	--	3' - 0"	7' - 0"	SCW	--	WD	a	HM	P/G	ANTI-MICROBIAL HARDWARE
112	1	--	3' - 0"	7' - 0"	SCW	--	WD	a	HM	P/G	
113	1	--	3' - 0"	7' - 0"	SCW	--	WD	a	HM	P/G	
114	1	--	3' - 0"	7' - 0"	SCW	--	WD	a	HM	P/G	ANTI-MICROBIAL HARDWARE
115.2	1	--	3' - 0"	7' - 0"	SCW	--	WD	a	HM	P/G	
115A	1	--	3' - 0"	7' - 0"	SCW	--	WD	a	HM	P/G	
115B	1	--	3' - 0"	7' - 0"	SCW	--	WD	a	HM	P/G	
116	1	--	3' - 0"	7' - 0"	SCW	--	WD	a	HM	P/G	ANTI-MICROBIAL HARDWARE
117	1	--	3' - 0"	7' - 0"	SCW	--	WD	a	HM	P/G	ANTI-MICROBIAL HARDWARE
118	2	--	3' - 0"	7' - 0"	ALUM	--	MFR	a	ALUM	MFR	
119A	2	PR	6' - 0"	7' - 0"	ALUM	--	MFR	--	ALUM	MFR	ELECTRONIC SECURED
119B	2	--	3' - 0"	7' - 0"	ALUM	--	MFR	--	ALUM	MFR	ELECTRONIC SECURED
120	2	--	3' - 0"	7' - 0"	ALUM	--	MFR	--	ALUM	MFR	ELECTRONIC SECURED
120.3	2	--	3' - 0"	7' - 0"	ALUM	--	MFR	--	ALUM	MFR	ELECTRONIC SECURED
121	3	--	8' - 0"	10' - 0"	ALUM	--	MFR	--	ALUM	MFR	
122	3	--	8' - 0"	10' - 0"	ALUM	--	MFR	--	ALUM	MFR	
123	3	--	8' - 0"	10' - 0"	ALUM	--	MFR	--	ALUM	MFR	
124	1	--	3' - 0"	7' - 0"	SCW	--	WD	a	HM	P/G	
126	1	--	3' - 0"	7' - 0"	SCW	--	WD	a	HM	P/G	ANTI-MICROBIAL HARDWARE
127	1	--	3' - 0"	7' - 0"	SCW	--	WD	a	HM	P/G	ANTI-MICROBIAL HARDWARE
128	1	--	3' - 0"	7' - 0"	SCW	--	WD	a	HM	P/G	ANTI-MICROBIAL HARDWARE
129	1	--	2' - 10"	7' - 0"	SCW	--	WD	a	HM	P/G	
130	1	--	3' - 0"	7' - 0"	SCW	--	WD	a	HM	P/G	ELECTRONIC SECURED
131	1	--	3' - 0"	7' - 0"	SCW	--	WD	a	HM	P/G	ANTI-MICROBIAL HARDWARE
132A	2	PR	6' - 0"	7' - 0"	ALUM	3/4 HR	MFR	--	ALUM	MFR	
132B	1	--	4' - 0"	7' - 0"	SCW	3/4 HR	WD	a	HM	P/G	
134	1	--	4' - 0"	7' - 0"	SCW	--	WD	a	HM	P/G	
136.1	1	--	3' - 0"	7' - 0"	SCW	--	WD	a	HM	P/G	ELECTRONIC SECURED
136A	1	--	4' - 0"	8' - 0"	HM	--	P/G	a	HM	P/G	ELECTRONIC SECURED
136B	1	--	3' - 0"	7' - 0"	SCW	--	WD	a	HM	P/G	ELECTRONIC SECURED
137	1	--	3' - 0"	7' - 0"	SCW	--	WD	a	HM	P/G	
138	1	--	3' - 0"	7' - 0"	SCW	--	WD	a	HM	P/G	ELECTRONIC SECURED
139	1	--	3' - 0"	7' - 0"	SCW	--	WD	--	ALUM	MFR	
140	1	--	3' - 0"	7' - 0"	SCW	--	WD	--	ALUM	MFR	
141	1	--	3' - 0"	7' - 0"	SCW	--	WD	--	ALUM	MFR	
142	1	--	3' - 0"	7' - 0"	SCW	--	WD	--	ALUM	MFR	
143	1	--	3' - 0"	7' - 0"	SCW	--	WD	--	ALUM	MFR	
144	1	--	3' - 0"	7' - 0"	SCW	--	WD	--	ALUM	MFR	
145	1	--	3' - 0"	7' - 0"	SCW	--	WD	--	ALUM	MFR	
146	1	--	3' - 0"	7' - 0"	SCW	--	WD	--	ALUM	MFR	
147A	1	PR	3' - 0"	7' - 0"	HM	--	P/G	a	HM	P/G	ELECTRONIC SECURED
147B	1	PR	3' - 0"	7' - 0"	SCW	--	WD	a	HM	P/G	ELECTRONIC SECURED
149A	1	--	3' - 0"	7' - 0"	SCW	--	WD	a	HM	P/G	
149B	1	PR	3' - 0"	7' - 10"	HM	--	P/G	a	HM	P/G	
150A	1	PR	3' - 0"	7' - 0"	HM	3/4 HR	P/G	a	HM	P/G	
150B	1	PR	3' - 0"	7' - 10"	HM	--	P/G	a	HM	P/G	
151	1	--	3' - 0"	7' - 10"	HM	--	P/G	a	HM	P/G	
152	1	PR	3' - 0"	7' - 0"	HM	--	P/G	a	HM	P/G	
153	1	--	3' - 0"	7' - 0"	HM	--	P/G	a	HM	P/G	

TOTAL DOORS: 60

GLAZING TYPES:

GL-1 1 5/16" CLEAR, INSULATED, LAMINATED IMPACT GLAZING
GL-1a 1 5/16" ETCHED, INSULATED, LAMINATED IMPACT GLAZING
GL-2 9/16" CLEAR, LAMINATED IMPACT GLAZING
GL-2a 9/16" ETCHED, LAMINATED IMPACT GLAZING
GL-3 1/4" CLEAR, TEMPERED IMPACT GLAZING
GL-4 9/16" 3/4 HR FIRE RATED LAMINATED IMPACT GLAZING

(EXTERIOR) STOREFRONT FRAMES (PRODUCT APPROVAL BASIS OF DESIGN): YKK YHS 50 TU

(INTERIOR) STOREFRONT FRAMES (PRODUCT APPROVAL BASIS OF DESIGN): YES 45 FS

STOREFRONT NOTES:

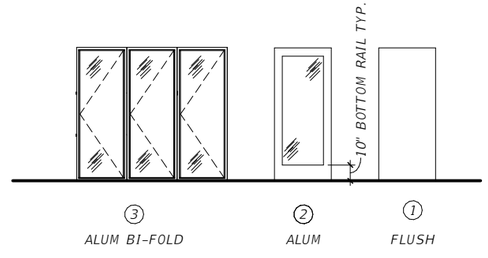
1. GLAZING TYPES VARY BASED ON LOCATION. REFER TO WINDOW AND DOOR TYPES AND BUILDING ELEVATIONS FOR ADDITIONAL INFORMATION.
2. REFER TO DOOR SCHEDULE FOR ADDITIONAL INFORMATION, TYP.
3. REFER TO FLOOR PLANS FOR ROUGH OPENING SIZES FOR DOORS AND WINDOWS, TYP.

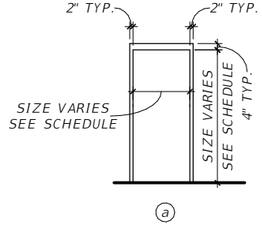
HARDWARE NOTES:

1. REFER TO TECHNICAL SPECIAL PROVISIONS FOR HARDWARE SCHEDULE AND ADDITIONAL INFORMATION

MATERIAL ABBREVIATION LEGEND:

ALUM ALUMINUM
HM HOLLOW METAL
STL STEEL
MFR MANUFACTURER
P PAINT
G GALVANIZED
SCW SOLID CORE WOOD
WD STAINED WOOD VENEER





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No.	Date	Issue / Revision

ERIC LUTTMANN, AIA
AR 97111

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607

FLORIDA-ALABAMA TPO

ROAD NAME	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

DOOR SCHEDULE, DOOR / FRAME & NOTES

DWG NO. AA-601

SHEET NO.

GLAZING TYPES:

GL-1 1 5/16" CLEAR, INSULATED, LAMINATED IMPACT GLAZING
GL-1a 1 5/16" ETCHED, INSULATED, LAMINATED IMPACT GLAZING
GL-2 9/16" CLEAR, LAMINATED IMPACT GLAZING
GL-2a 9/16" ETCHED, LAMINATED IMPACT GLAZING
GL-3 1/4" CLEAR, TEMPERED IMPACT GLAZING
GL-4 9/16" 3/4 HR FIRE RATED LAMINATED IMPACT GLAZING
GI-5 5/16" CLEAR STANDARD SWITCHABLE GLASS

(EXTERIOR) STOREFRONT FRAMES (PRODUCT APPROVAL BASIS OF DESIGN): YKK YHS 50 TU

(INTERIOR) STOREFRONT FRAMES (PRODUCT APPROVAL BASIS OF DESIGN): YES 45 FS

STOREFRONT NOTES:

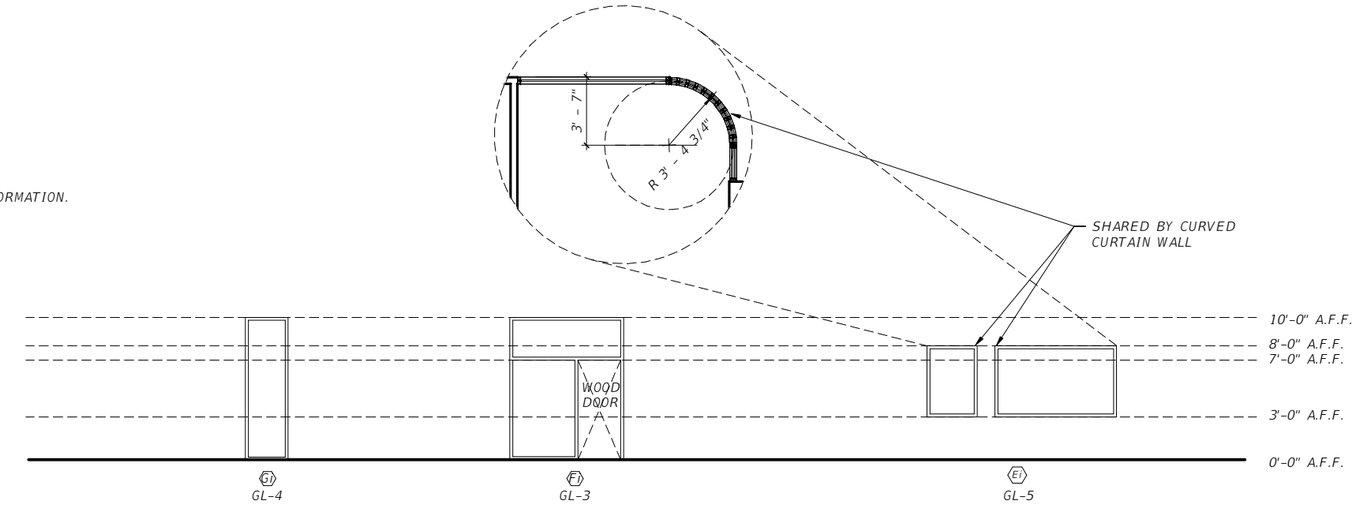
1. GLAZING TYPES VARY BASED ON LOCATION. REFER TO WINDOW AND DOOR TYPES AND BUILDING ELEVATIONS FOR ADDITIONAL INFORMATION.
2. REFER TO DOOR SCHEDULE FOR ADDITIONAL INFORMATION, TYP.
3. REFER TO FLOOR PLANS FOR ROUGH OPENING SIZES FOR DOORS AND WINDOWS, TYP.

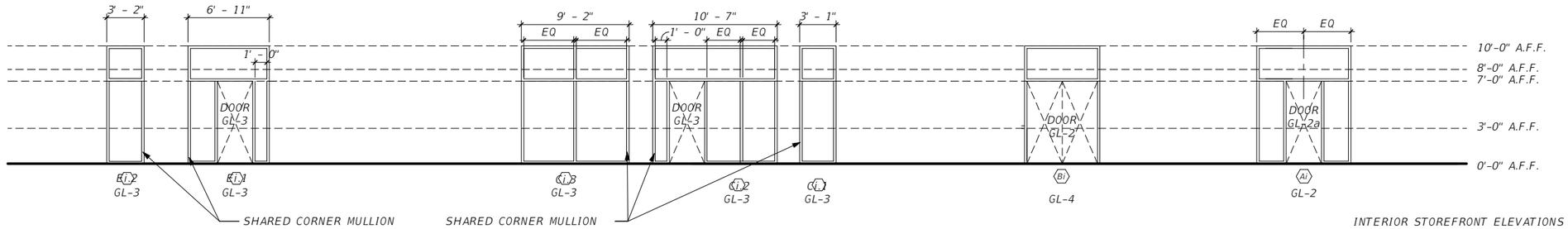
HARDWARE NOTES:

1. REFER TO TECHNICAL SPECIAL PROVISIONS FOR HARDWARE SCHEDULE AND ADDITIONAL INFORMATION

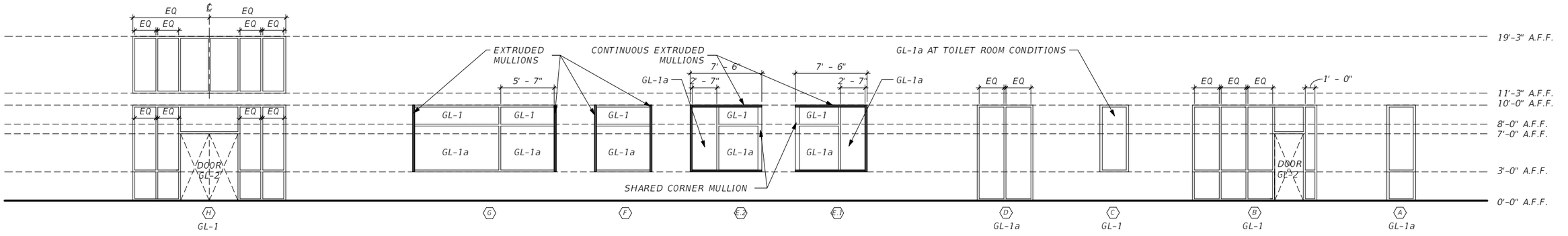
MATERIAL ABBREVIATION LEGEND:

ALUM	ALUMINUM
HM	HOLLOW METAL
STL	STEEL
MFR	MANUFACTURER
P	PAINT
G	GALVANIZED
SCW	SOLID CORE WOOD
WD	STAINED WOOD VENEER





INTERIOR STOREFRONT ELEVATIONS
YES 45 TU (UON)



EXTERIOR STOREFRONT ELEVATIONS
YHS 50 TU

No.	Date	Issue / Revision

ERIC LUTTMANN, AIA
AR 97111

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607

FLORIDA-ALABAMA TPO

ROAD NAME	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

DOOR SCHEDULE, STOREFRONT TYPES & NOTES

DWG NO. AA-602
SHEET NO.

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FINISH SCHEDULE

ROOM NUMBER	ROOM NAME	FLOORS FINISH	BASE FINISH	WALL FINISH	CEILING FINISH	REMARKS
T/ SLAB						
101	OFFICE	CARPET TILE	RESILIENT WALL BASE	PAINTED/ GYPSUM WALL BOARD	ACOUSTICAL CEILING TILE	
102	OFFICE	CARPET TILE	RESILIENT WALL BASE	PAINTED/ GYPSUM WALL BOARD	ACOUSTICAL CEILING TILE	
103	OFFICE	CARPET TILE	RESILIENT WALL BASE	PAINTED/ GYPSUM WALL BOARD	ACOUSTICAL CEILING TILE	
104	OFFICE	CARPET TILE	RESILIENT WALL BASE	PAINTED/ GYPSUM WALL BOARD	ACOUSTICAL CEILING TILE	
105	OFFICE	CARPET TILE	RESILIENT WALL BASE	PAINTED/ GYPSUM WALL BOARD	ACOUSTICAL CEILING TILE	
106	FILE STORAGE	CLEAR SEALED CONCRETE	N/A	PAINTED/ GYPSUM WALL BOARD	ACOUSTICAL CEILING TILE	
107	MEDIA ROOM	CARPET TILE	RESILIENT WALL BASE	PAINTED/ GYPSUM WALL BOARD	ACOUSTICAL CEILING TILE	
108	AUTO COLLABORATION	CARPET TILE	RESILIENT WALL BASE	PAINTED/ GYPSUM WALL BOARD	HARD CEILING/ OPEN TO STRUCTURE	
109	NEXUS CONFERENCE	POLISHED CONCRETE	RESILIENT WALL BASE	PAINTED/ GYPSUM WALL BOARD	HARD CEILING/ OPEN TO STRUCTURE	
110	JANITORIAL	CLEAR SEALED CONCRETE	N/A	PAINTED/ GYPSUM WALL BOARD	ACOUSTICAL CEILING TILE	
111	MAIL / SUPPLIES	POLISHED CONCRETE	RESILIENT WALL BASE	PAINTED/ GYPSUM WALL BOARD	ACOUSTICAL CEILING TILE	
112	ELEC.	CLEAR SEALED CONCRETE	N/A	PAINTED/ GYPSUM WALL BOARD	ACOUSTICAL CEILING TILE	
113	SUPPLIES / TECH	POLISHED CONCRETE	RESILIENT WALL BASE	PAINTED/ GYPSUM WALL BOARD	ACOUSTICAL CEILING TILE	
114	RESTROOM	POLISHED CONCRETE	INTEGRAL COVE BASE	PAINTED/ GYPSUM WALL BOARD	HARD CEILING	
115	CORRIDOR	POLISHED CONCRETE	RESILIENT WALL BASE	PAINTED/ GYPSUM WALL BOARD	ACOUSTICAL CEILING TILE	
115.1	DATA VISUALIZATION SPACE	POLISHED CONCRETE/ RAISED FLOORING SYSTEM	RESILIENT WALL BASE	PAINTED/ GYPSUM WALL BOARD	ACOUSTICAL CEILING TILE	
115.2	DATA VISUALIZATION SUPPORT	CLEAR SEALED CONCRETE	N/A	PAINTED/ GYPSUM WALL BOARD	ACOUSTICAL CEILING TILE	
116	RESTROOM	POLISHED CONCRETE	INTEGRAL COVE BASE	PORCELAIN TILE	HARD CEILING	
117	RESTROOM	POLISHED CONCRETE	INTEGRAL COVE BASE	PORCELAIN TILE	HARD CEILING	
118	DIGITAL RECEPTION	POLISHED CONCRETE	RESILIENT WALL BASE	PAINTED/ GYPSUM WALL BOARD	HARD CEILING	
119	VESTIBULE	POLISHED CONCRETE	RESILIENT WALL BASE	PAINTED/ GYPSUM WALL BOARD	OPEN TO STRUCTURE/ BAFFLES	
120	OPEN OFFICE	POLISHED CONCRETE	RESILIENT WALL BASE	PAINTED/ GYPSUM WALL BOARD	OPEN TO STRUCTURE/ BAFFLES	
120.1	CORRIDOR	POLISHED CONCRETE	RESILIENT WALL BASE	PAINTED/ GYPSUM WALL BOARD	ACOUSTICAL CEILING TILE	
120.2	CORRIDOR	POLISHED CONCRETE	RESILIENT WALL BASE	PAINTED/ GYPSUM WALL BOARD	ACOUSTICAL CEILING TILE	
120.3	CORRIDOR	POLISHED CONCRETE	RESILIENT WALL BASE	PAINTED/ GYPSUM WALL BOARD	ACOUSTICAL CEILING TILE / HARD CEILING	
120.4	CORRIDOR	POLISHED CONCRETE	RESILIENT WALL BASE	PAINTED/ GYPSUM WALL BOARD	ACOUSTICAL CEILING TILE	
120.5	CORRIDOR	POLISHED CONCRETE	RESILIENT WALL BASE	PAINTED/ GYPSUM WALL BOARD	ACOUSTICAL CEILING TILE	
121	COLLAB OFFICE	CARPET TILE	RESILIENT WALL BASE	PAINTED/ GYPSUM WALL BOARD	ACOUSTICAL CEILING TILE	
122	COLLAB OFFICE	CARPET TILE	RESILIENT WALL BASE	PAINTED/ GYPSUM WALL BOARD	ACOUSTICAL CEILING TILE	
123	COLLAB OFFICE	CARPET TILE	RESILIENT WALL BASE	PAINTED/ GYPSUM WALL BOARD	ACOUSTICAL CEILING TILE	
124	FOOD STORAGE	CLEAR SEALED CONCRETE	N/A	PAINTED/ GYPSUM WALL BOARD	ACOUSTICAL CEILING TILE	
125	BREAK ROOM	POLISHED CONCRETE	RESILIENT WALL BASE	PAINTED/ GYPSUM WALL BOARD	HARD CEILING/ OPEN TO STRUCTURE/ BAFFLES	
126	MEN	POLISHED CONCRETE	INTEGRAL COVE BASE	PORCELAIN TILE	HARD CEILING	
127	WOMEN	POLISHED CONCRETE	INTEGRAL COVE BASE	PORCELAIN TILE	HARD CEILING	
128	FAMILY	POLISHED CONCRETE	INTEGRAL COVE BASE	PORCELAIN TILE	HARD CEILING	
129	CHASE	CLEAR SEALED CONCRETE	N/A	N/A	OPEN TO STRUCTURE	
130	CORRIDOR	POLISHED CONCRETE	RESILIENT WALL BASE	PAINTED/ GYPSUM WALL BOARD	ACOUSTICAL CEILING TILE	
131	FAMILY	POLISHED CONCRETE	INTEGRAL COVE BASE	PORCELAIN TILE	HARD CEILING	
132	RTMC TRAINING/MEETING ROOM	CARPET TILE	RESILIENT WALL BASE	PAINTED/ GYPSUM WALL BOARD	ACOUSTICAL CEILING TILE/ OPEN TO STRUCTURE/ BAFFLES	
133	CORRIDOR	POLISHED CONCRETE	RESILIENT WALL BASE	PAINTED/ GYPSUM WALL BOARD	HARD CEILING	
134	FURNITURE STORAGE	CLEAR SEALED CONCRETE	N/A	PAINTED/ GYPSUM WALL BOARD	ACOUSTICAL CEILING TILE	
135	BREAK ROOM	POLISHED CONCRETE	RESILIENT WALL BASE	PAINTED/ GYPSUM WALL BOARD	ACOUSTICAL CEILING TILE	
136	CORRIDOR	POLISHED CONCRETE	RESILIENT WALL BASE	PAINTED/ GYPSUM WALL BOARD	ACOUSTICAL CEILING TILE	
136.1	CORRIDOR	POLISHED CONCRETE	RESILIENT WALL BASE	PAINTED/ GYPSUM WALL BOARD	ACOUSTICAL CEILING TILE	
137	FOOD STORAGE	CLEAR SEALED CONCRETE	N/A	PAINTED/ GYPSUM WALL BOARD	ACOUSTICAL CEILING TILE	
138	CORRIDOR	POLISHED CONCRETE	RESILIENT WALL BASE	PAINTED/ GYPSUM WALL BOARD	HARD CEILING	
139	MEDIA COVERAGE ROOM	CARPET TILE	RESILIENT WALL BASE	PAINTED/ GYPSUM WALL BOARD	ACOUSTICAL CEILING TILE	
140	OFFICE	CARPET TILE	RESILIENT WALL BASE	PAINTED/ GYPSUM WALL BOARD	ACOUSTICAL CEILING TILE	
141	OFFICE	CARPET TILE	RESILIENT WALL BASE	PAINTED/ GYPSUM WALL BOARD	ACOUSTICAL CEILING TILE	
142	OFFICE	CARPET TILE	RESILIENT WALL BASE	PAINTED/ GYPSUM WALL BOARD	ACOUSTICAL CEILING TILE	
143	OFFICE	CARPET TILE	RESILIENT WALL BASE	PAINTED/ GYPSUM WALL BOARD	ACOUSTICAL CEILING TILE	
144	OFFICE	CARPET TILE	RESILIENT WALL BASE	PAINTED/ GYPSUM WALL BOARD	ACOUSTICAL CEILING TILE	
145	OFFICE	CARPET TILE	RESILIENT WALL BASE	PAINTED/ GYPSUM WALL BOARD	ACOUSTICAL CEILING TILE	
146	OFFICE	CARPET TILE	RESILIENT WALL BASE	PAINTED/ GYPSUM WALL BOARD	ACOUSTICAL CEILING TILE	
147	SERVER/BENCH TEST	RAISED FLOORING SYSTEM	RESILIENT WALL BASE	PAINTED/ GYPSUM WALL BOARD	HARD CEILING	
148	CONTROL ROOM	POLISHED CONCRETE/ RAISED FLOORING SYSTEM	RESILIENT WALL BASE	PAINTED/ GYPSUM WALL BOARD	HARD CEILING/ OPEN TO STRUCTURE/ BAFFLES / ACOUSTIC CEILING TILE	
149	MECHANICAL	CLEAR SEALED CONCRETE	N/A	PAINTED/ GYPSUM WALL BOARD	OPEN TO STRUCTURE	
150	ELEC	CLEAR SEALED CONCRETE	N/A	PAINTED/ GYPSUM WALL BOARD	OPEN TO STRUCTURE	
151	FIRE SUPPRESSION	CLEAR SEALED CONCRETE	N/A	PAINTED/ GYPSUM WALL BOARD	OPEN TO STRUCTURE	
152	TMC STORAGE	CLEAR SEALED CONCRETE	N/A	PAINTED/ GYPSUM WALL BOARD	OPEN TO STRUCTURE	
153	UPS	CLEAR SEALED CONCRETE	N/A	PAINTED/ GYPSUM WALL BOARD	OPEN TO STRUCTURE	

FINISH NOTES:

1. PROVIDE CLEAR SEALED CONCRETE AT ALL CONCEALED SPACES, TYPICAL.

2. MAINTAIN CONSISTENTLY LEVEL, PLUMB, AND ALIGNED GROUT JOINTS HORIZONTALLY AND VERTICALLY AT ALL TILE INSTALLATIONS FROM WALL TO FLOOR AND AROUND ALL OBSTRUCTIONS, TYPICAL. NOTIFY ARCHITECT OF ANY CASES WHERE TILE INSTALLATION AND GROUT JOINT ALIGNMENT IS OF CONCERN.

3. COMPLETE FINISH AND COLOR SECTIONS WILL BE COORDINATED BY THE ARCHITECT. ALL FINISH SAMPLES SHALL BE SUBMITTED FOR REVIEW PRIOR TO ASSOCIATED SHOP DRAWINGS.

No.	Date	Issue / Revision

ERIC LUTTMANN, AIA
AR 97111

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607

FLORIDA-ALABAMA TPO

ROAD NAME	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

FINISH SCHEDULE

DWG NO. AA-603

SHEET NO.

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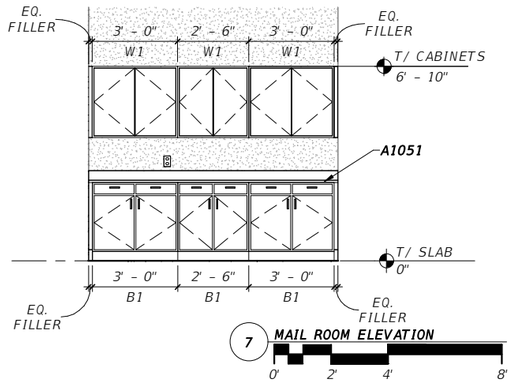
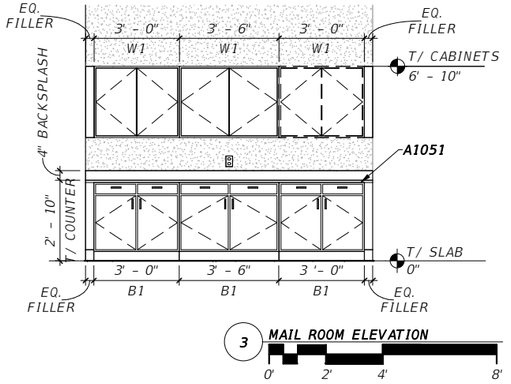
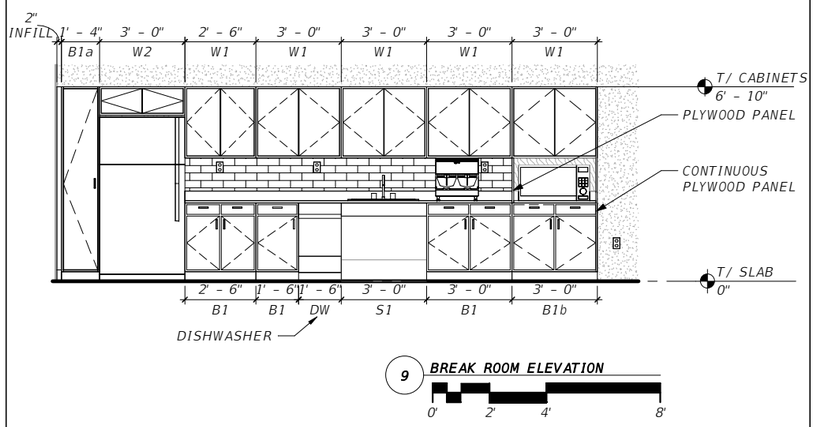
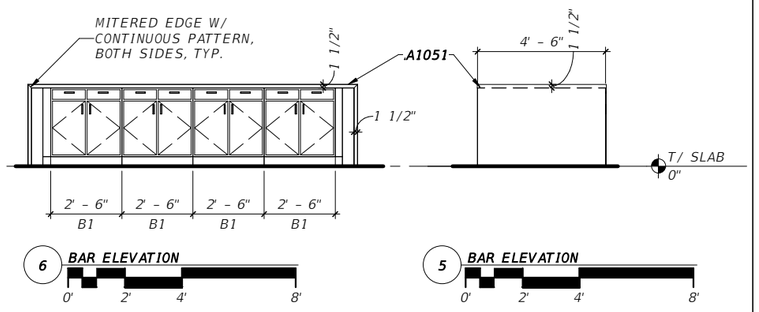
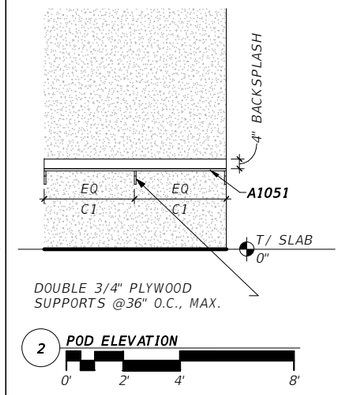


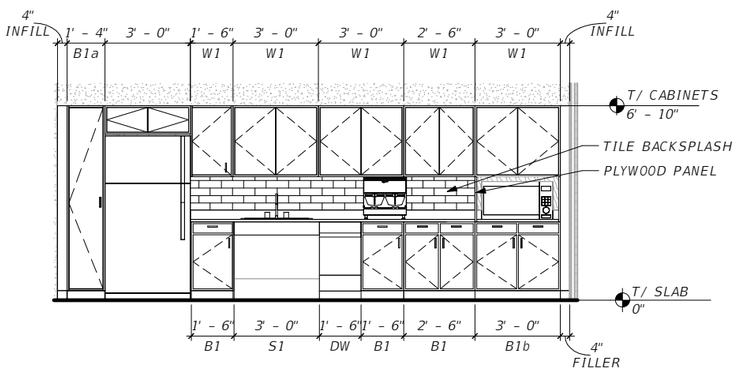


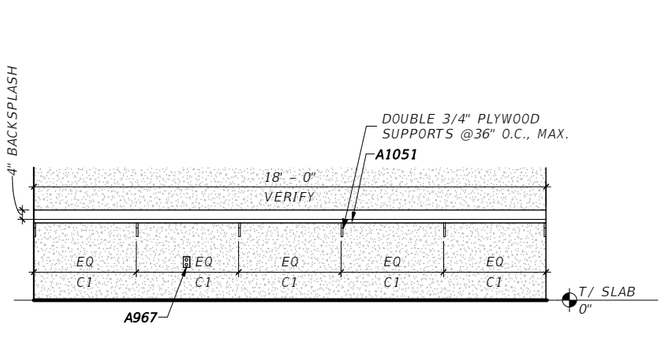
KEYNOTE LEGEND	
NO.	DESCRIPTION
A967	REFER TO ELECTRICAL FOR OUTLET/DATA LOCATIONS, TYP.
A1051	QUARTZ COUNTERTOP

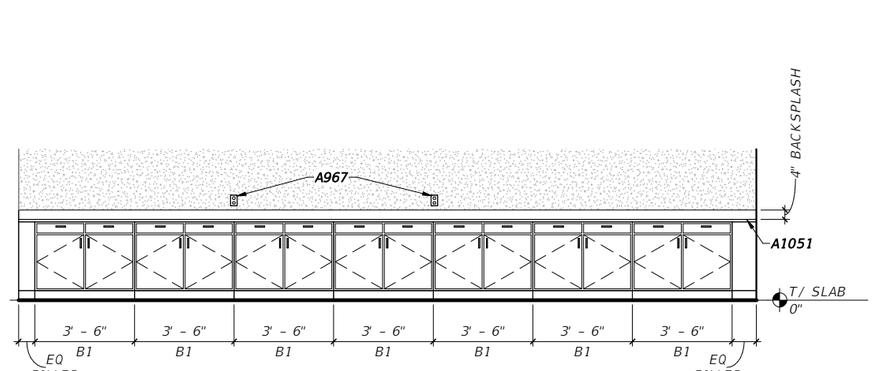












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No.	Date	Issue / Revision

ERIC LUTTMANN, AIA
AR 97111

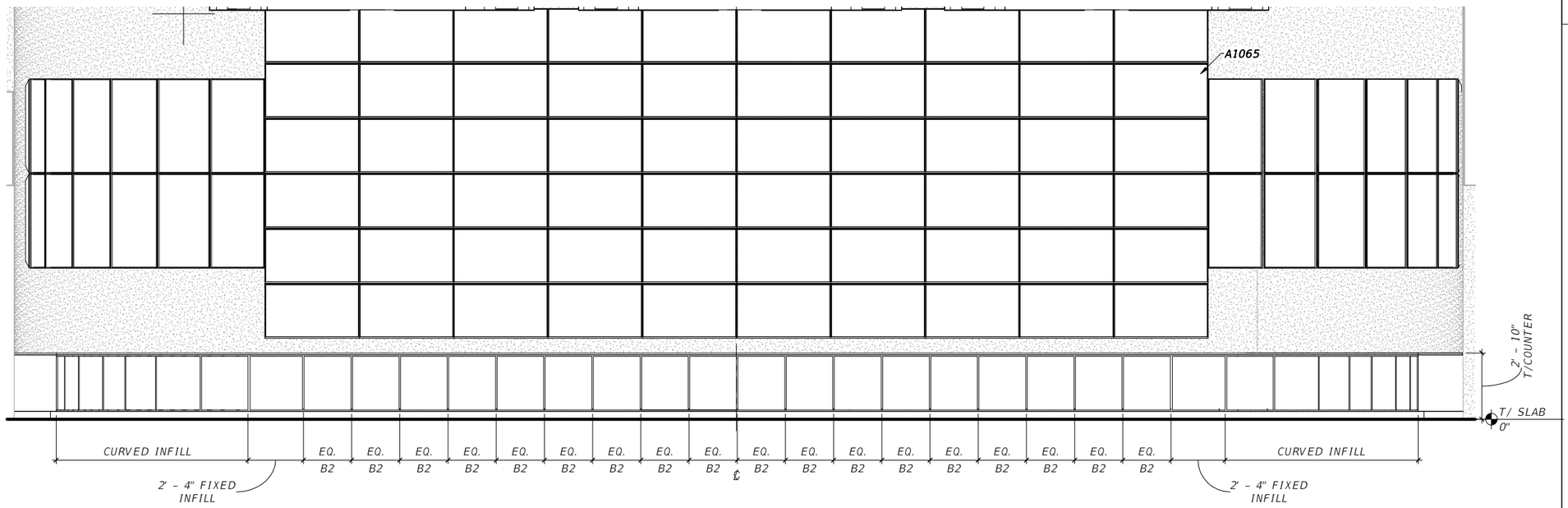
WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607

FLORIDA-ALABAMA TPO

ROAD NAME	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

CASEWORK ELEVATIONS

DWG NO.
AA-701
SHEET NO.

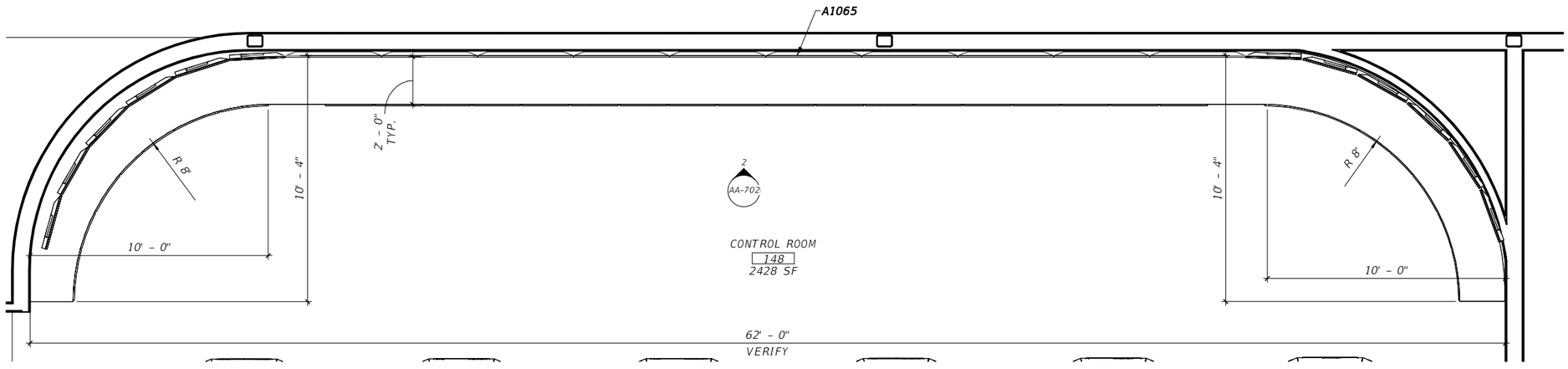


2 CONTROL ROOM ELEVATION

0' 2' 4' 8'

KEYNOTE LEGEND

NO.	DESCRIPTION
A1065	VIDEO SCREEN MONITORS INSTALLED ON ASSOCIATED RAIL SYSTEM, REFER TO ITS.



1 ENLARGED PLANS

0' 2' 4' 8'

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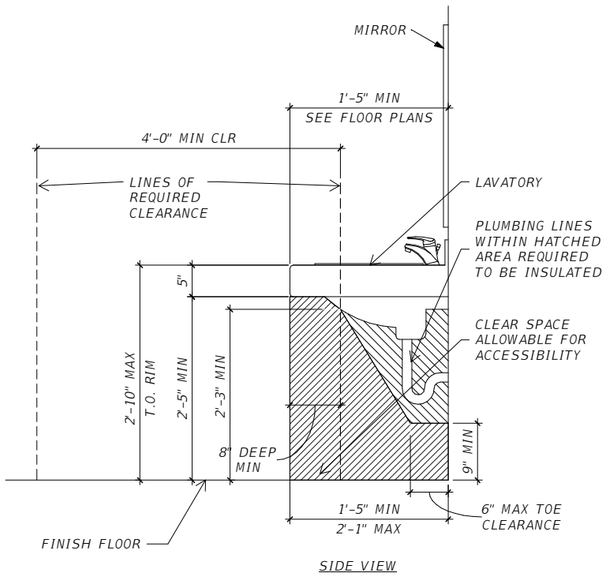
FLORIDA-ALABAMA TPO

ROAD NAME	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

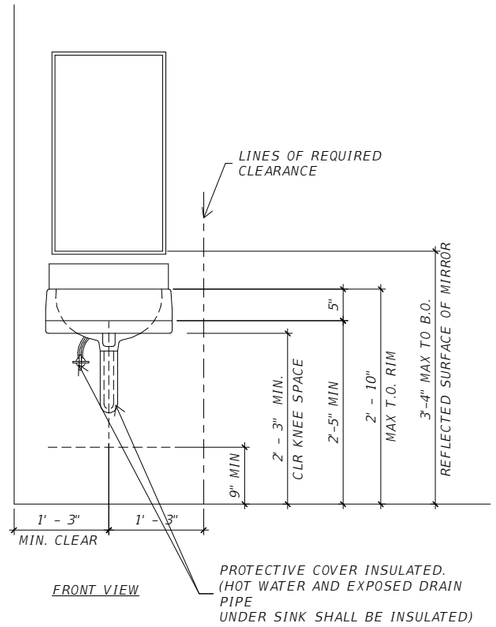
TMC CASEWORK

DWG NO. AA-702

SHEET NO.



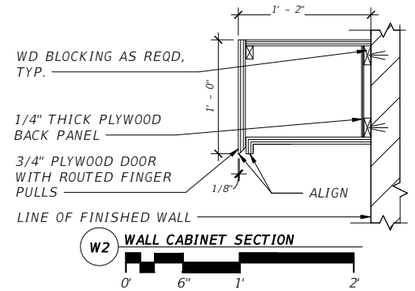
SIDE VIEW



FRONT VIEW

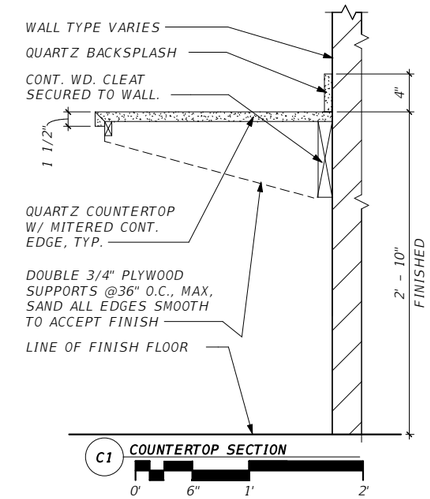
1 **ACCESSIBLE LAVATORY CLEARANCE**

0' 1' 2' 4'



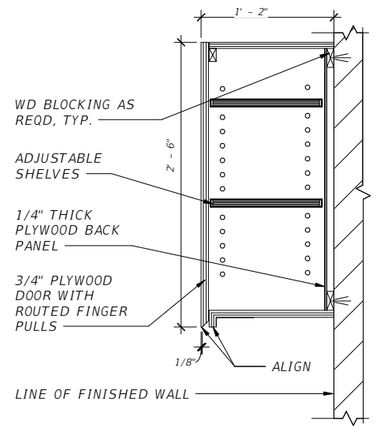
W2 **WALL CABINET SECTION**

0' 6" 1' 2'



C1 **COUNTERTOP SECTION**

0' 6" 1' 2'



W1 **WALL CABINET SECTION**

0' 6" 1' 2'

CASEWORK NOTES:

1. ALL CASEWORK TO BE 3/4" CABINET GRADE A BIRCH PLYWOOD WITH STAIN AND SATIN VARNISH FINISH, TYP.

2. ALL COUNTERTOPS, BACKSPLASHES, AND END SPLASHES SHALL BE QUARTZ WITH SLIGHTLY EASED EDGES. BACKSPLASH HEIGHT VARIES.

3. PROVIDE FINISH CHASE(S) FOR INFRASTRUCTURE AS REQUIRED. REFER TO OTHER DISCIPLINES FOR ADDITIONAL INFORMATION AND LOCATIONS.

4. ALL BASE CABINET BLOCKING TO BE 2x4 @ 24" O.C.

5. VERIFY ALL DIMENSIONS IN THE FIELD PRIOR TO FABRICATION.

6. ALL BACKSPLASHES TO RETURN ON WALLS AT ENDS OF COUNTERTOPS.

7. ALL CASEWORK INSTALLATIONS AND HARDWARE SHALL MEET OR EXCEED ADA REQUIREMENTS.

8. WALL/FLOOR AREA SPECIFIED FOR CABINET INSTALLATION MUST BE FREE OF OBSTRUCTIONS SUCH AS LIGHT SWITCHES, OUTLETS, HVAC, SIGNS, ETC. REFER TO OTHER DISCIPLINES FOR ADDITIONAL INFORMATION.

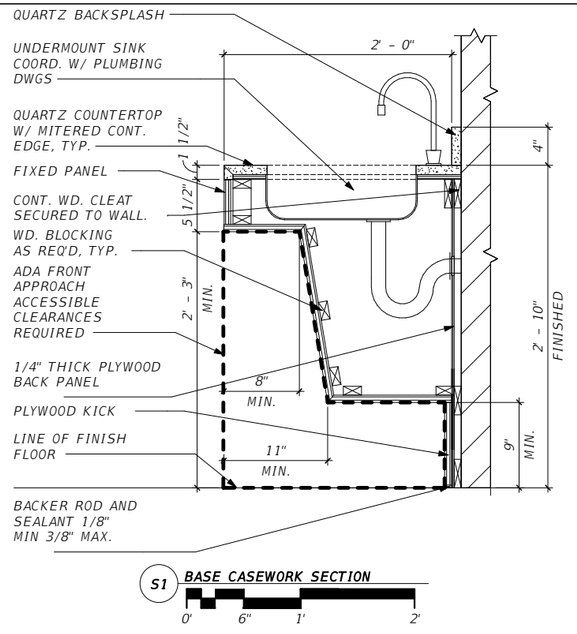
9. PROVIDE CLOSURE & END PANELS AS REQUIRED.

10. NO DEAD END CORNERS IN CASEWORK.

11. VERIFY WITH DEPARTMENT FOR EXACT LOCATION OF GROMMETS AND SHOW ON SHOP DRAWINGS.

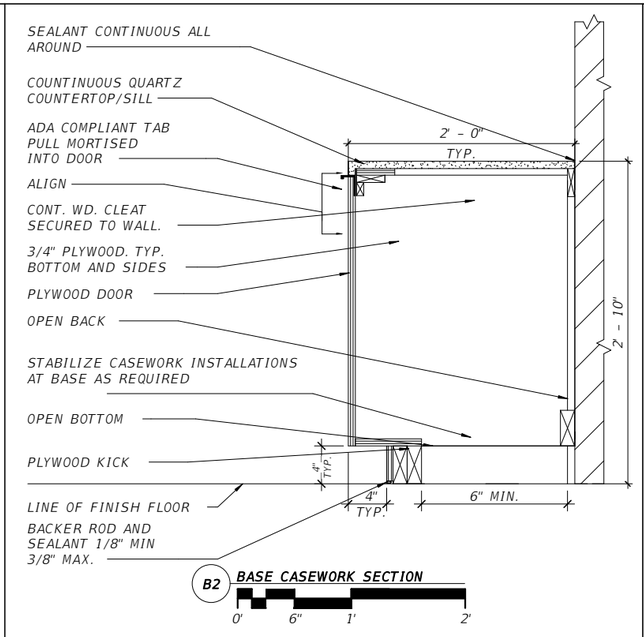
12. ALL FIRE RATED WALLS AND REQUIRED FIRESTOPPING SHALL BE IN STRICT ACCORDANCE WITH A TESTED ASSEMBLY AND ASSOCIATED DESIGN NUMBER.

13. ALL FINISH SELECTIONS WILL BE COORDINATED BETWEEN ARCHITECT AND OWNER DURING CONSTRUCTION. PROVIDE MATERIAL SAMPLES FOR USE ON COLOR BOARDS.



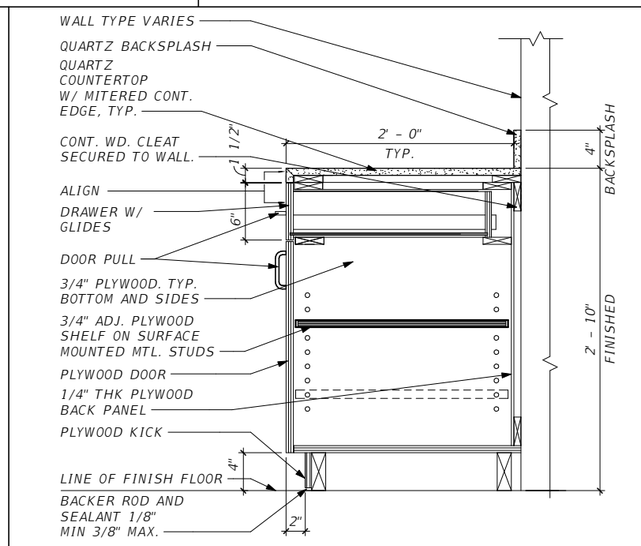
S1 **BASE CASEWORK SECTION**

0' 6" 1' 2'



B2 **BASE CASEWORK SECTION**

0' 6" 1' 2'



B1a - TO BE FULL SYSTEM HEIGHT AT 2' DEPTH AND INCLUDE 4 ADJUSTABLE SHELVES.

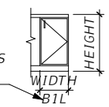
B1b - INSTALL VERTICAL PLYWOOD PANELS TO W1 ABOVE TO ENCLOSE SYSTEM.

B1 **BASE CASEWORK SECTION**

0' 6" 1' 2'

B = BASE UNIT
W = WALL UNIT
T = TALL UNIT
L = WITH LOCKS

TYPE OF UNIT & SIZE



No.	Date	Issue / Revision

ERIC LUTTMANN, AIA
AR 97111

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607

FLORIDA-ALABAMA TPO

ROAD NAME	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

CASEWORK DETAILS

DWG NO. AA-703

SHEET NO.

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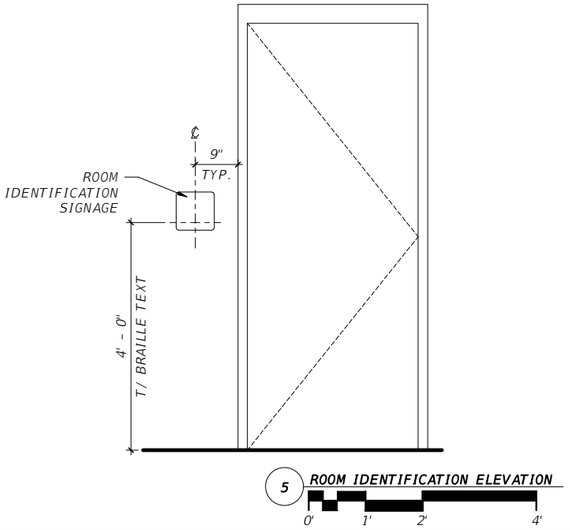
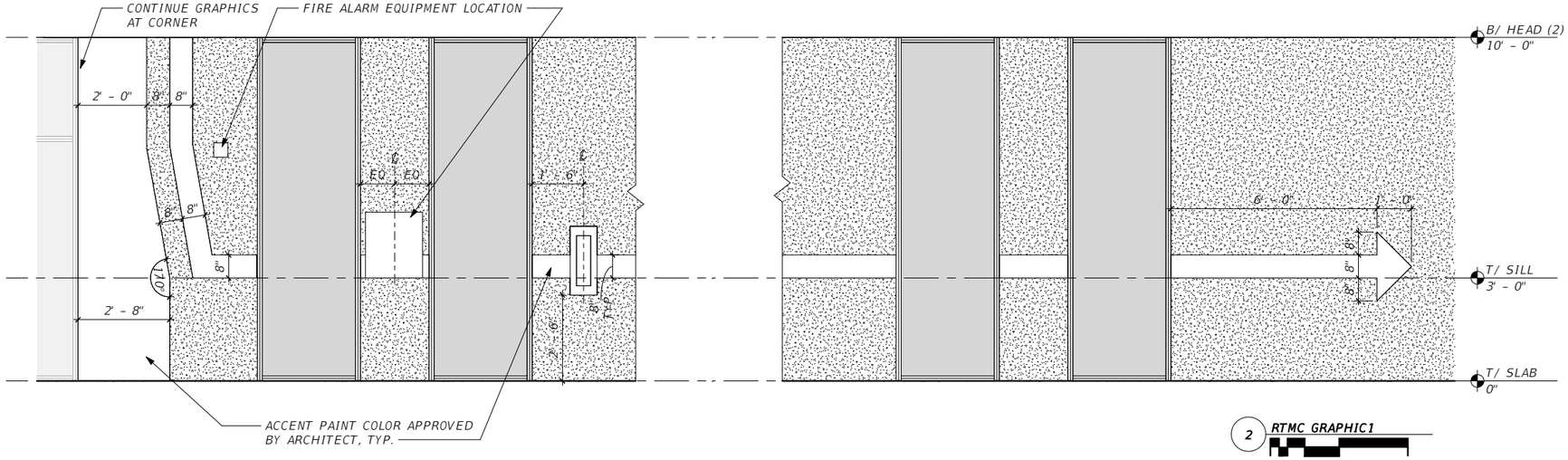


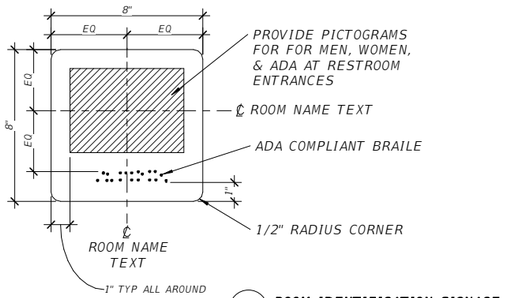
5 **ROOM IDENTIFICATION ELEVATION**

0' 1' 2' 4'



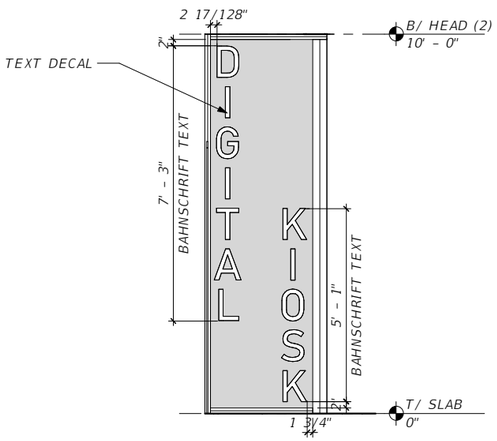
2 **RTMC GRAPHIC1**

0' 1' 2' 4'



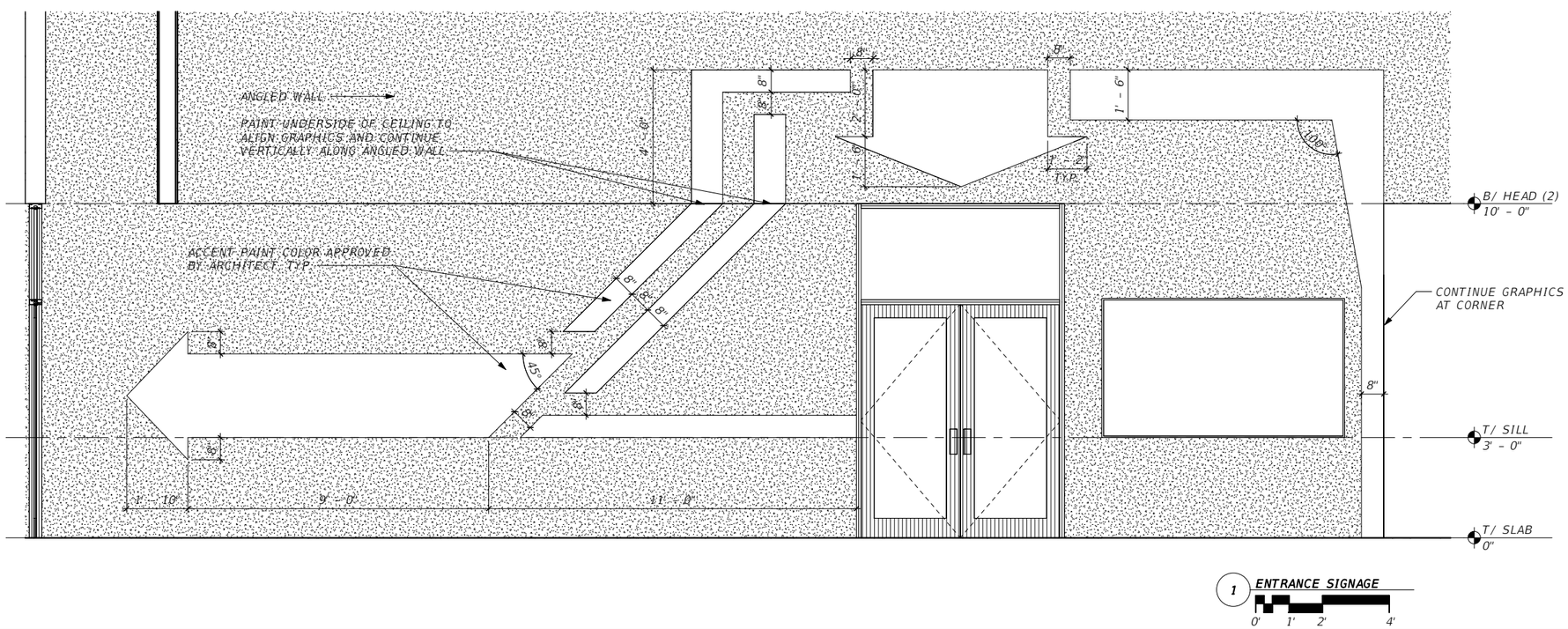
4 **ROOM IDENTIFICATION SIGNAGE**

0' 3" 6" 1'



3 **DIGITAL KIOSK**

0' 1' 2' 4'


ANGLED WALL
PAINT UNDERSIDE OF CEILING TO
ALIGN GRAPHICS AND CONTINUE
VERTICALLY ALONG ANGLED WALL
8"
8"
8"
8"
8"

4 PERSPECTIVE

2 PERSPECTIVE

3 PERSPECTIVE

1 PERSPECTIVE

No.	Date	Issue / Revision

ERIC LUTTMANN, AIA
AR 97111

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607

FLORIDA-ALABAMA TPO

ROAD NAME	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

PERSPECTIVES (1)

NOTE:
3-DIMENSIONAL IMAGES ARE FOR ILLUSTRATIVE PURPOSES ONLY. THEY ARE NOT TO BE USED FOR THE CONSTRUCTION AND DETAILING OF THE PROJECT.

DWG NO.
AA-901
SHEET NO.

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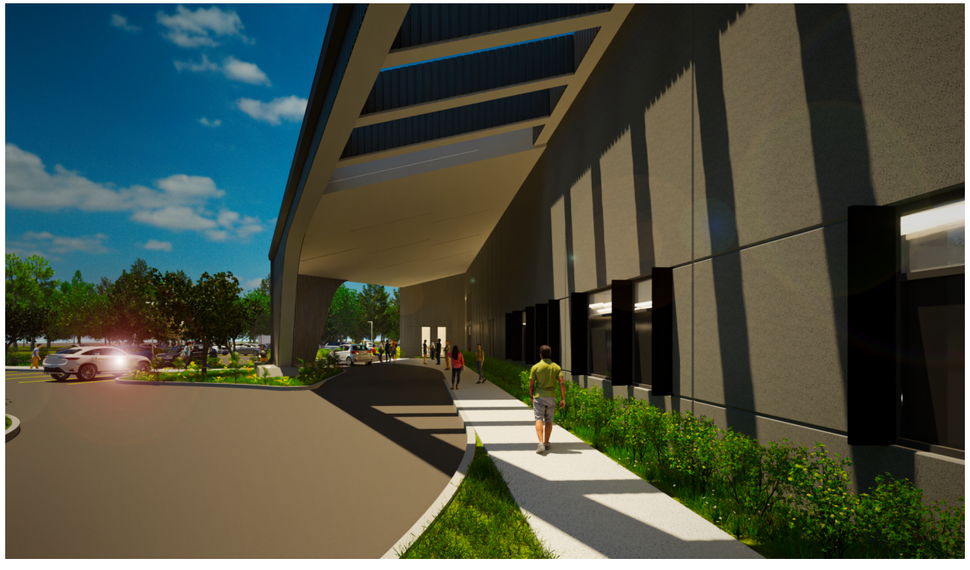
4 PERSPECTIVE

2 PERSPECTIVE



3 PERSPECTIVE

1 PERSPECTIVE

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No.	Date	Issue / Revision

ERIC LUTTMANN, AIA
AR 97111

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607

FLORIDA-ALABAMA TPO

ROAD NAME	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

PERSPECTIVES (2)

NOTE:
3-DIMENSIONAL IMAGES ARE FOR ILLUSTRATIVE PURPOSES ONLY. THEY ARE NOT TO BE USED FOR THE CONSTRUCTION AND DETAILING OF THE PROJECT.

DWG NO.
AA-902
SHEET NO.

4 PERSPECTIVE

2 PERSPECTIVE

3 PERSPECTIVE

1 PERSPECTIVE

No.	Date	Issue / Revision

ERIC LUTTMANN, AIA
AR 97111

WGI, INC.
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FLORIDA-ALABAMA TPO

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NORTH W STREET	ESCAMBIA	451524-1-38-01

PERSPECTIVES (3)

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DWG NO.
AA-903
SHEET NO.

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GENERAL FIRE PROTECTION NOTES

1. ALL FIRE PROTECTION WORK SHALL MEET ALL OF THE REQUIREMENTS OF THE FOLLOWING:
   - A. FLORIDA BUILDING CODE (FBC) 8TH EDITION (2023) (EFFECTIVE DECEMBER 31, 2023): THIS CODE INCLUDES THE 2023 FBC BUILDING, MECHANICAL, PLUMBING, ENERGY CONSERVATION, FUEL GAS, ACCESSIBILITY, AND TEST PROTOCOLS VOLUMES. FURTHER, SEE "REFERENCED STANDARDS" IN THE FBC BUILDING CHAPTER 35; FBC MECHANICAL CHAPTER 15; FBC PLUMBING CHAPTER 15; FBC ENERGY CONSERVATION CHAPTER 6; AND FBC FUEL GAS CHAPTER 8).
   - B. 8TH EDITION OF THE FLORIDA FIRE PREVENTION CODE (FFPC): THIS CODE ALSO INCLUDES THE FLORIDA VERSIONS OF NFPA 1 AND NFPA 101. (EFFECTIVE DECEMBER 31, 2023).
   - C. 2020 NATIONAL ELECTRIC CODE.
   - D. STATE OF FLORIDA, DEPARTMENT OF ENVIRONMENTAL REGULATION RULES.
   - E. FDOT BUILDING FACILITIES DESIGN MANUAL 625-020-016-F – REVISED MAY 2020.
   - F. NFPA 13 – STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS, 2019.
   - G. NFPA 20 – STANDARD FOR THE INSTALLATION OF STATIONARY PUMPS FOR FIRE PROTECTION, 2019.
   - H. NFPA 2001 – STANDARD FOR THE INSTALLATION OF CLEAN AGENT EXTINGUISHING SYSTEMS, 2020.
   - I. PROVIDE FIRE PROTECTION SYSTEM IN ACCORDANCE WITH FAC 61G15-32.004 DESIGN OF WATER BASED FIRE PROTECTION SYSTEMS.
2. PIPING SHALL BE SIZED BY HYDRAULIC CALCULATION METHOD NFPA 13 (2016).
3. FLUSH AND TEST SYSTEM IN ACCORDANCE WITH NFPA 13, AND 24.
4. PROVIDE PLANS AND HYDRAULIC CALCULATIONS IN CONFORMANCE WITH THE REQUIREMENTS OF NFPA 13 AND THE FLORIDA BUILDING CODE. PLANS AND CALCULATIONS SHALL BE SIGNED AND SEALED BY A DELEGATED PROFESSIONAL ENGINEER, REGISTERED IN THE STATE OF FLORIDA AND SUBMITTED TO THE AUTHORITY HAVING JURISDICTION (AHJ) FOR APPROVAL. PRIOR TO ISSUING PLANS AND CALCULATIONS, THE DELEGATED PROFESSIONAL ENGINEER SHALL ISSUE A LETTER ADDRESSED TO STEPHEN R. FORKNER, PE, ON THEIR COMPANY LETTERHEAD, STATING THAT HE/SHE IS ACCEPTING THE ROLE AS ENGINEER OF RECORD FOR THE FIRE PROTECTION PORTION OF THE PROJECT. ONCE STEPHEN R. FORKNER, PE RECEIVES THE LETTER, HE WILL RELINQUISH THE TITLE OF ENGINEER OF RECORD TO THE DELEGATED PROFESSIONAL ENGINEER.
5. SPRINKLER SYSTEMS SHALL BE INSTALLED BY PERSONNEL WHO HAVE ENGINEERING FACILITIES AND EXPERIENCE IN SUCH WORK AND WHO ARE REGULARLY EMPLOYED TO DO SUCH WORK.
6. ALL MATERIALS SHALL BE OF APPROVED QUALITY AND THE WORK SHALL BE DONE IN A THOROUGH AND WORKMANLIKE MANNER. THE WORK, MATERIALS AND TEST SHALL BE IN ACCORDANCE WITH THE CURRENT REQUIREMENTS OF NFPA 13 AND 14.
7. SPRINKLERS SHALL BE 1/2" ORIFICE TYPE OF ORDINARY DEGREE RATING EXCEPT WHERE EXCESSIVE TEMPERATURES ARE ANTICIPATED. IN THESE LOCATIONS, HIGH TEMPERATURE SPRINKLERS SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 13. THE CONTRACTOR SHALL INDICATE SPRINKLER TEMPERATURE RATING, ORIFICE SIZE AND TYPE ON FINAL DRAWINGS. SPRINKLER AND ESCUTCHEON SHALL BE CHROME PLATED.
8. COORDINATE EXACT LOCATION OF SPRINKLERS, PIPING, AND EQUIPMENT WITH CEILING, ELECTRICAL, MECHANICAL, AND STRUCTURAL COMPONENTS OF BUILDING. MAKE MODIFICATIONS WITHOUT ADDITIONAL COST TO THE OWNER.
9. ALL MATERIAL SHALL BE UL LISTED OR FM APPROVED.
10. REFER TO THE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF ALL SMOKE AND FIRE RATED WALLS WHICH FIRE PROTECTION PIPING PENETRATES. FIRE PROTECTION PIPING SHALL BE SMOKE/FIRE SAFED IN AN APPROVED MANNER WHEN PENETRATING RATED WALLS AND FLOORS. PROVIDE SLEEVES OR OTHER APPROVED MEANS AND SEAL OPENINGS IN WALLS, FLOORS, AND PARTITIONS IN SUCH A MANNER AS TO MAINTAIN THE SMOKE AND FIRE RATING OF THAT WALL, FLOOR OR CEILING.
11. SPACING OF SPRINKLERS: THE SPACING AND SIZES OF PIPES SHALL CONFORM TO THE REQUIREMENTS OF NFPA 13. SPRINKLERS SHALL BE WITHIN 1" OF CENTER OF ACOUSTICAL PANEL. PROVIDE SWING JOINT IF REQUIRED TO ACCOMPLISH THIS. SPRINKLERS SHALL BE AT LEAST 6" FROM ANY CEILING FIXTURE. COORDINATE THE LOCATION OF SPRINKLERS AND PIPING WITH THE ELECTRICAL AND MECHANICAL DRAWINGS.
12. PIPE SUPPORTS, HANGERS, CLAMPS, RODS AND OTHER ACCESSORIES: SHALL BE OF AN APPROVED TYPE AND IN SUFFICIENT NUMBER TO PROPERLY SUPPORT ALL PIPING. PIPING SHALL BE SUPPORTED BY ROUND WROUGHT U-TYPE APPROVED ADJUSTABLE HANGERS. PROVIDE ALL HANGERS INCLUDING TRAPEZE HANGERS AS REQUIRED TO COMPLY WITH NFPA 13. HANG TO TOP CHORD OF BAR JOIST ONLY.
13. ALL CONDUIT BETWEEN CONTROLLER AND DEVICES BEING CONTROLLED SHALL BE BY DIVISION 21 AND SHALL BE IN CONFORMANCE TO DIVISION 26 REQUIREMENTS.
14. PROVIDE ANY ADDITIONAL DRAINS REQUIRED TO COMPLY WITH NFPA 13 AND LOCAL CODES (WITHOUT ADDITIONAL COST TO OWNER).
15. PROVIDE A SINGLE AIR VENT WITH A CONNECTION CONFORMING TO NFPA 13-8.16.6 ON EACH WET PIPE SYSTEM UTILIZING METALLIC PIPE.
16. PIPING: SPRINKLER PIPING SHALL BE SCHEDULE 40 STEEL PIPE AND COMPATIBLE FITTINGS IN CONFORMANCE OF NFPA 13. MINIMUM SIZE IS ONE INCH. BRANCH LINES SHALL BE SCHEDULE 40 OR EQUAL TO ALLIED X-L PIPE WITH THREADED FITTINGS OR THINWALL PIPES WITH WELDED OUTLETS AND GROOVED FITTINGS. SCHEDULE 5 PIPE IS NOT ALLOWED. CROSS MAINS SHALL BE THINWALL PIPE WITH GROOVED FITTINGS. ALL EXPOSED PIPING SHALL BE IN CONFORMANCE WITH ANSI A13.1.
17. SPRINKLERS SHALL BE QUICK RESPONSE TYPE, PENDENT, CONCEALED WITH WHITE COVER PLATE, VIKING HORIZON MIRAGE OR APPROVED EQUIVALENT.
18. PIPE MATERIAL SHALL BE AS FOLLOWS: SHALL MEET NFPA-13 AND ASTM A795.
   - A. MINIMUM PIPE SCHEDULE FOR WELD/GROOVED/PLAIN BLACK STEEL PIPE SCHEDULE 10 OR APPROVED EQUAL AS DYNAFLOW.
   - B. THREADED PIPE: BLACK STEEL, SCH 40.
   - C. FITTINGS: WELDED, SCREWED OR FLANGES 125#.
   - D. ALL DROPS SHALL BE 1" SCHEDULE 40, BLACK STEEL.
   - E. HANGERS SHALL BE THREADED CLAD PLATED, FITTINGS SHALL BE IN ACCORDANCE WITH NFPA-13.
19. DRAWINGS ARE SCHEMATIC ONLY AND DO NOT DEPICT EVERY DETAIL AND WORK REQUIRED FOR 100% COMPLETION OF PROJECT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO INCLUDE ALL WORK REQUIRED BUT NOT SHOWN IN THE DRAWINGS TO COMPLETE THE WORK IN ACCORDANCE WITH ALL APPLICABLE CODES AND RENDER FULLY OPERATIONAL. DO NOT SCALE THE DRAWINGS.
20. COORDINATE WITH ALL OTHER TRADES INVOLVED. ANY OFFSETS OR CHANGE IN DIRECTION REQUIRED AROUND CONSTRUCTION SHALL BE INSTALLED AT NO ADDITIONAL COST TO OWNER.
21. ALL CUTTING AND PATCHING OF WALLS, FLOOR AND ROOF FOR FIRE PROTECTION WORK SHALL BE INCLUDED.
22. PROVIDE REQUIRED ACCESS TO ALL EQUIPMENT, EVEN IF NOT SHOWN IN THE DRAWINGS, FOR EASY MAINTENANCE AND IN A LOCATION ACCEPTABLE TO A/E.
23. TEST FIRE SPRINKLER SYSTEM AT 200 PSI FOR 2 HOURS AND IN ACCORDANCE WITH NFPA 13.
24. USE UL LISTED FIRE STOPPING AT WALL PENETRATIONS.
25. PROVIDE SPARE SPRINKLER HEADS AND NECESSARY TOOLS TO REPLACE SPRINKLER HEADS IN AN APPROVED CABINET AS REQUIRED BY NFPA 13.
26. A FLORIDA LICENSED SPRINKLER CONTRACTOR SHALL PROVIDE TWO COPIES EACH OF THE AUTOMATIC SPRINKLER SYSTEM SHOP DRAWINGS CONTAINING: 1) SPRINKLER SYSTEM WORKING PLANS, INCLUDING POINT OF SERVICE, SPRINKLER SYSTEM LAYOUT, NODE IDENTIFICATION AND NODE SPOT ELEVATIONS, 2) WATER SUPPLY INFORMATION, 3) SPRINKLER SYSTEM DESIGN AND HYDRAULIC CALCULATIONS, INCLUDING WATER SUPPLY CURVE AND SPRINKLER SYSTEM DEMAND, 4) HANGER DETAIL(S), AND 5) MANUFACTURER'S TECHNICAL CUT SHEETS WITH SYSTEM COMPONENTS AND DEVICES IDENTIFIED.
27. SEE TSP'S FOR ADDITIONAL REQUIREMENTS

FIRE PROTECTION DRAWING INDEX

SHEET NUMBER	SHEET NAME
AF-001	FIRE PROTECTION GENERAL NOTES
AF-101	OVERALL FIRE PROTECTION PLAN AND NARRATIVE
AF-501	FIRE PROTECTION DETAILS
SHEETS: 3	

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No.	Date	Issue / Revision

STEPHEN R. FORKNER, PE
PE 80532

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607
ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

FIRE PROTECTION GENERAL NOTES

DWG NO. AF-001

SHEET NO.

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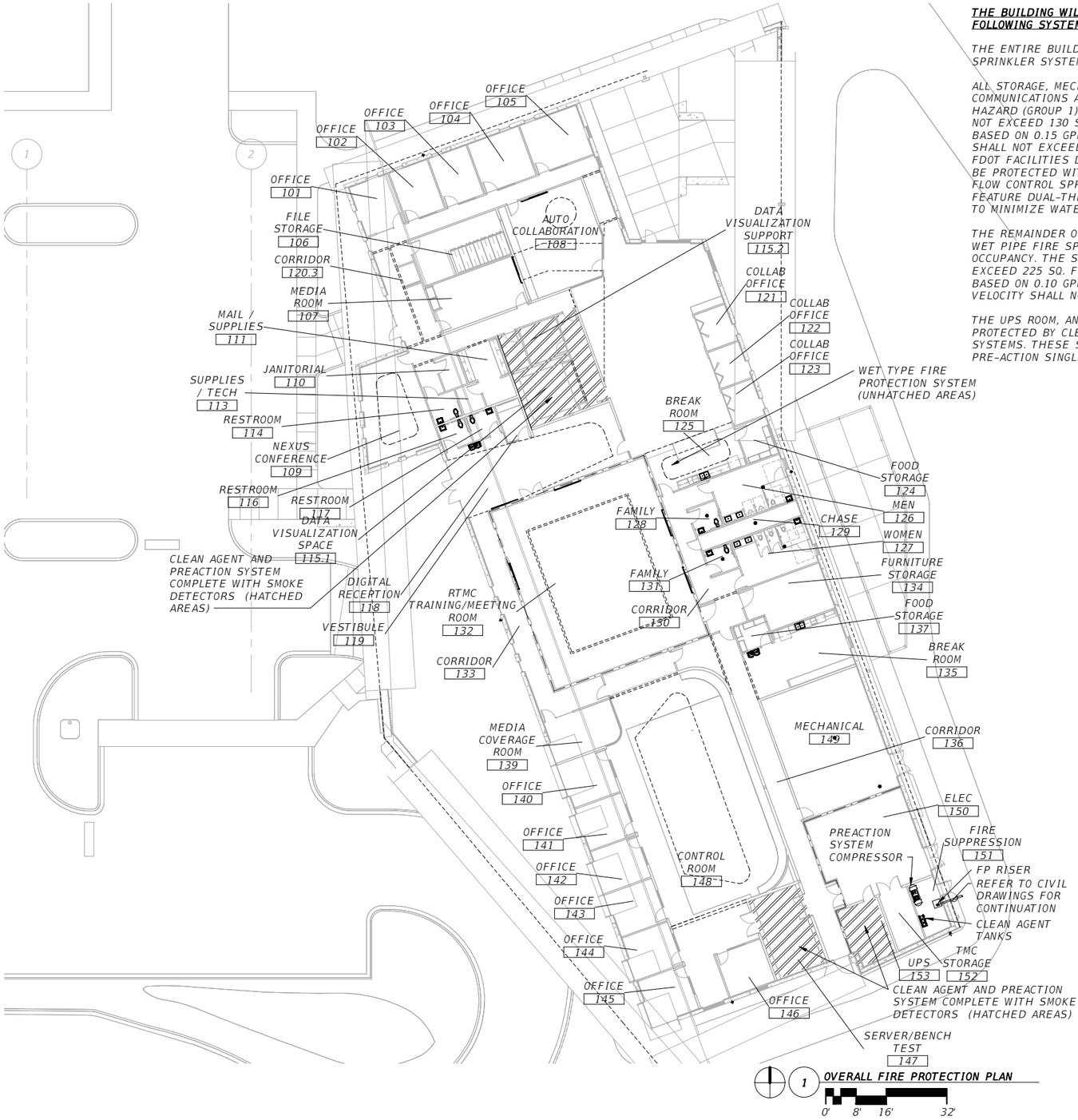

THE BUILDING WILL BE FULLY PROTECTED BY THE FOLLOWING SYSTEMS:

THE ENTIRE BUILDING WILL BE PROTECTED BY A WET PIPE SPRINKLER SYSTEM DESIGNED PER NFPA 13.

ALL STORAGE, MECHANICAL, ELECTRICAL, JANITORIAL, AND COMMUNICATIONS AREAS SHALL BE DESIGNED TO ORDINARY HAZARD (GROUP 1). THE SYSTEM HEAD LAYOUT SPACING WILL NOT EXCEED 130 SQ. FT. PER SPRINKLER. DESIGN SHALL BE BASED ON 0.15 GPM/SQ. FT. OVER 1,500 SQ. FT. VELOCITY SHALL NOT EXCEED 20 FT. PER SECOND (FPS). PER THE FDOT FACILITIES DESIGN MANUAL, ELECTRICAL ROOMS WILL BE PROTECTED WITH AUTOMATICALLY OPERATING ON/OFF FLOW CONTROL SPRINKLER HEADS. THESE HEADS WILL FEATURE DUAL-THERMAL ELEMENTS WITH ON/OFF CONTROL TO MINIMIZE WATER DAMAGE.

THE REMAINDER OF THE BUILDING WILL BE PROTECTED BY A WET PIPE FIRE SPRINKLER SYSTEM FOR A LIGHT HAZARD OCCUPANCY. THE SYSTEM HEAD LAYOUT SPACING WILL NOT EXCEED 225 SQ. FT. PER HEAD. THE DESIGN SHALL BE BASED ON 0.10 GPM PER SQ. FT. OVER 1,500 SQ. FT. WATER VELOCITY SHALL NOT EXCEED 20 FPS.

THE UPS ROOM, AND THE SERVER / IT ROOM WILL BE PROTECTED BY CLEAN AGENT GAS FIRE PROTECTION SYSTEMS. THESE SPACES WILL ALSO BE PROTECTED WITH PRE-ACTION SINGLE INTERLOCK SYSTEM.

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OVERALL FIRE PROTECTION PLAN AND NARRATIVE

DWG NO. AF-101

SHEET NO.

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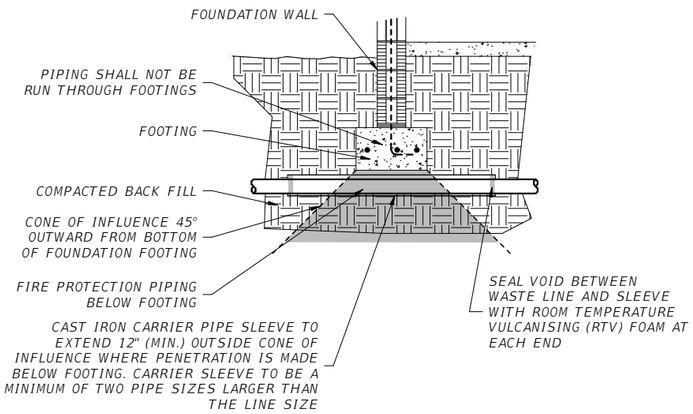
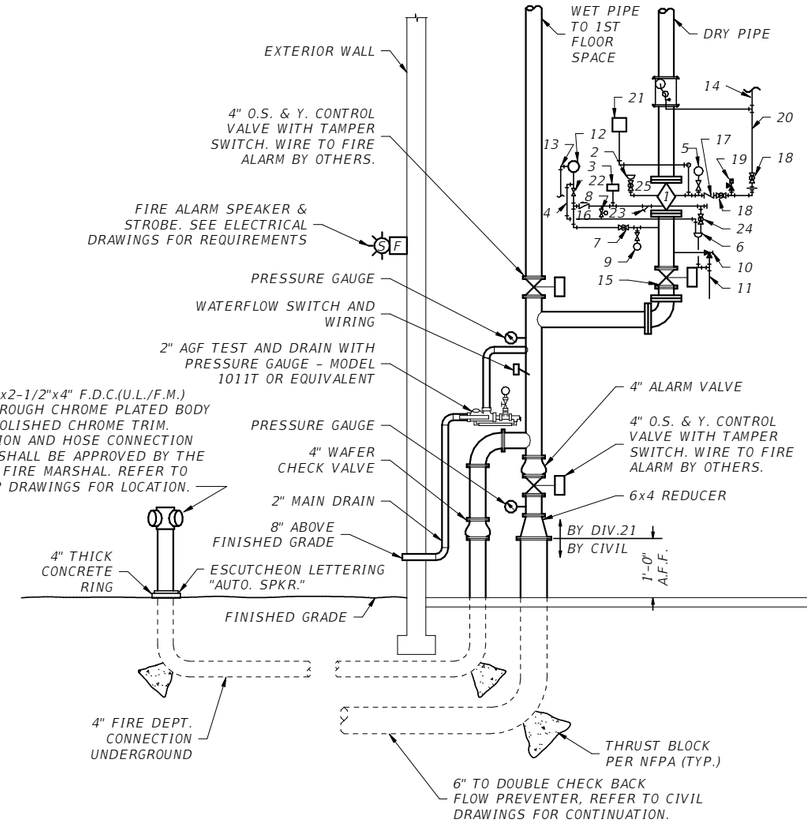


FOUNDATION PIPE SLEEVE DETAIL

NOT TO SCALE



COMBINATION WET AND DRY PIPE RISER DETAIL

NOT TO SCALE

DRY PIPE RISER NOTES

1. DRY PIPE VALVE: DRY PIPE VALVE WITH RETARD CHAMBER, PRESSURE SWITCH, LOW AIR ALARM, MAIN DRAINS, WATER MOTOR GONG, AIR MAINTENANCE DEVICE AND QUICK OPENING DEVICE. TYCO MODEL DPV-1 OR EQUIVALENT.
2. PRIMING CUP
3. LOCAL ALARM SWITCH OR ALARM TRANSMITTER
4. RESTRICTED ALARM VENT
5. AIR PRESSURE GAGE
6. DRIP CUP
7. ALARM TEST VALVE (NORMALLY CLOSED)
8. AUTOMATIC DRAIN VALVE
9. WATER PRESSURE GAGE
10. MAIN DRAIN ANGLE VALVE
11. DRIP CUP AND MAIN DRAIN DISCHARGE TO OUTSIDE OF BLDG. (4'-0" - PIPE LENGTH INSIDE OF BLDG.)
12. WATER MOTOR GONG
13. DRAIN RUN THROUGH WALL TO OUTSIDE OF BLDG.
14. COMPRESSED AIR LINE FROM AIR COMPRESSOR. REFER TO PLAN FOR LOCATION. SYSTEM SHALL HAVE ADEQUATE CAPACITY TO RESTORE NORMAL AIR PRESSURE IN THE DRY PIPE SYSTEM WITHIN 30 MINUTES. PROVIDE FLANGED INCREASERS / REDUCERS TO ADAPT PIPE SIZE TO VALVE SIZE.
15. OS & Y VALVE WITH TAMPER SWITCH. WIRE TO FIRE ALARM BY OTHERS.
16. CHECK VALVE TO PREVENT TRIPPING VALVE WHEN TESTING ALARM
17. AIR LINE CHECK VALVE
18. AIR SUPPLY GLOBE VALVE (RENEWABLE DISC TYPE)
19. PRESSURE RELIEF VALVE 20.
20. AIR SUPPLY LINE
21. ELECTRIC LOW AIR PRESSURE ALARM TRANSMITTER
22. ALARM CONTROL VALVE (NORMALLY OPEN)
23. STRAINER
24. DRAIN GLOBE VALVE
25. PRIMING VALVE (NORMALLY CLOSED).

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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

FIRE PROTECTION DETAILS

DWG NO. AF-501

SHEET NO.

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PLUMBING LEGEND

VENT PIPING	
WASTE PIPING (SAN)	
COLD WATER PIPING (CW)	
HOT WATER PIPING (HW)	
HOT WATER RETURN PIPING (HWR)	
PIPING UP	
PIPING DOWN	
HOT WATER BALANCING VALVE	
P#	PLUMBING FIXTURE IDENTIFICATION. SEE PLUMBING FIXTURE SCHEDULE
VTR	VENT THROUGH ROOF
	ELEVATION
AFF	ABOVE FINISHED FLOOR
BFF	BELOW FINISHED FLOOR
S	SANITARY
W	WASTE
V	VENT

COORDINATE AND VERIFY EXACT LOCATIONS OF ALL PLUMBING FIXTURES WITH ARCHITECTURAL DRAWINGS

REFER TO RISER ON DRAWING AP-903 FOR DOMESTIC WATER AND DRAWING AP-901 FOR WASTE AND VENT LINE SIZING

GENERAL PLUMBING NOTES

1. ALL PLUMBING WORK SHALL MEET ALL OF THE REQUIREMENTS OF THE FOLLOWING:
   - A. FLORIDA BUILDING CODE (FBC) 8TH EDITION (2023) (EFFECTIVE DECEMBER 31, 2023): THIS CODE INCLUDES THE 2023 FBC BUILDING, MECHANICAL, PLUMBING, ENERGY CONSERVATION, FUEL GAS, ACCESSIBILITY, AND TEST PROTOCOLS VOLUMES. FURTHER, SEE "REFERENCED STANDARDS" IN THE FBC BUILDING CHAPTER 35; FBC MECHANICAL CHAPTER 15; FBC PLUMBING CHAPTER 15; FBC ENERGY CONSERVATION CHAPTER 6; AND FBC FUEL GAS CHAPTER 8).
   - B. 8TH EDITION OF THE FLORIDA FIRE PREVENTION CODE (FFPC): THIS CODE ALSO INCLUDES THE FLORIDA VERSIONS OF NFPA 1 AND NFPA 101. (EFFECTIVE DECEMBER 31, 2023).
   - C. 2020 NATIONAL ELECTRIC CODE.
   - D. STATE OF FLORIDA, DEPARTMENT OF ENVIRONMENTAL REGULATION RULES.
   - E. FDOT BUILDING FACILITIES DESIGN MANUAL 625-020-016-F – REVISED MAY 2020.
2. PROVIDE COMPLETE PLUMBING SYSTEMS AS DETAILED. WORK CONSISTS OF FURNISHING ALL MATERIALS, EQUIPMENT, AND SERVICES REQUIRED FOR COMPLETE SYSTEMS.
3. IN GENERAL, PLANS ARE SCHEMATIC ONLY AND SHOULD NOT BE SCALED. ALL FLOOR DRAINS IN MECHANICAL ROOMS/CLOSETS, SHALL BE FIELD VERIFIED AND COORDINATED WITH THE HVAC EQUIPMENT/PAD LOCATIONS.
4. COORDINATE WITH OTHER TRADES TO AVOID CONFLICTS.
5. COORDINATE LOCATIONS OF FLOOR DRAINS, CLEAN OUTS AND FLOOR HYDRANTS WITH THE ARCHITECTURAL DRAWINGS.
6. UNLESS OTHERWISE NOTED, ALL PIPING SHALL BE RUN IN CONCEALED SPACES.
7. WATER PIPING SHALL BE HARD DRAWN COPPER TYPE L WITH WROUGHT COPPER FITTINGS AND 95-5 SOLDER.
8. ALL SOIL, WASTE, AND VENT PIPING SHALL BE SCHEDULE 40 PVC DWV.
9. SANITARY PIPING BELOW THE GROUND FLOOR SLAB SHALL BE SCHEDULE 40 DWV PVC SOIL PIPE AND FITTINGS.
10. VENT THROUGH ROOF TERMINALS SHALL BE LOCATED 10'-0" AWAY FROM ANY BUILDING INTAKE OPENINGS. COORDINATE WITH THE MECHANICAL CONTRACTOR.
11. ALL FIRE STOPPING SHALL BE INSTALLED IN CONFORMANCE WITH THE MANUFACTURER'S U.L. DETAILS OF THE PRODUCTS USED SPECIFICALLY ON THIS PROJECT. APPLICABLE U.L. DETAILS SHALL BE SUBMITTED FOR THE ENGINEER'S REVIEW AND A COPY SHALL BE AVAILABLE ON SITE FOR USE BY THE AUTHORITY HAVING JURISDICTION.
12. UNLESS NOTED OTHERWISE, ALL PLUMBING EQUIPMENT, MATERIALS, AND WORKMANSHIP SHALL BE GUARANTEED FOR A ONE YEAR PERIOD FROM DATE OF ACCEPTANCE.
13. PROVIDE ALL CUTTING REQUIRED FOR THE INSTALLATION OF PLUMBING WORK. FINISH PATCHING SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR/CONSTRUCTION MANAGER.
14. ALL SOIL AND WASTE PIPING 2-1/2" AND SMALLER SHALL BE SLOPED AT 1/4" PER FOOT. LARGER WASTE PIPING SHALL BE SLOPED AT 1/8" PER FOOT. ALL HORIZONTAL RAIN LEADER LINES SHALL BE SLOPED AT 1/8" PER FOOT.
15. ALL WATER PIPING SHALL BE SUPPORTED RIGIDLY AND IN LINE FROM THE BUILDING STRUCTURE. OFFSET PIPING TO AVOID STRUCTURAL MEMBERS, CANTS, FLASHING, MECHANICAL AND ELECTRICAL EQUIPMENT, ETC.
16. VERIFY ALL SITE RELATED SANITARY & WATER CONNECTIONS PRIOR TO STARTING WORK. SHOULD DEPTHS BE DIFFERENT THAN THAT SHOWN HEREIN ADVISE ENGINEER IMMEDIATELY.
17. PRIOR TO SITE UTILITIES WORK, CALCULATE THE INVERTS FOR ALL SANITARY WASTE CONNECTIONS BASED ON ACTUAL CONDITIONS. COORDINATE SANITARY WASTE LOCATIONS AND INVERTS WITH SITE UTILITIES CONTRACTOR.
18. WASTE AND STORM LINES RECEIVING BELOW AMBIENT TEMPERATURE CONDENSATE SHALL BE INSULATED WITH 1/2" FLEXIBLE UNICELLULAR FOAM (ARMAFLEX OR EQUIVALENT) INSULATION TO GRADE.
19. VALVES AND FITTINGS SHALL BE OF SAME SIZE OF LINE ON WHICH THEY ARE INDICATED.
20. INSTALL WATER HAMMER SHOCK ARRESTORS AT EACH FIXTURE OR BATTERY OF FIXTURES WHERE REQUIRED. ARRESTORS SHALL BE FACTORY FABRICATED. INSTALL ARRESTORS AND SIZE PER PLUMBING AND DRAINAGE INSTITUTE STANDARD P.D.I WH-201. AIR CHAMBERS SHALL NOT BE CONSIDERED EQUIVALENT TO WATER HAMMER SHOCK ARRESTORS.
21. ALL FLOOR DRAINS SHALL BE PROVIDED WITH TRAP PRIMER VALVE AND FITTINGS. REFER TO THE TRAP PRIMER DETAIL ON DRAWING AP-501. EXPOSED PIPE SHALL BE COPPER, AND PIPE IN SLAB AND BELOW MAY BE CPVC.
22. ROUTE ALL PIPING CONCEALED ABOVE CEILINGS, WITHIN WALLS, OR IN CHASES EXCEPT WHERE SPECIFICALLY NOTED OR IN THE MECHANICAL ROOM. ANY PIPING EXPOSED TO VIEW SHALL BE RELOCATED AT NO ADDITIONAL COST TO THE OWNER IF DETERMINED BY THE OWNER TO BE OBJECTIONABLE.
23. PROVIDE ACCESS PANELS TO ALL VALVES WITHIN CHASES OR ABOVE NON- ACCESSIBLE CEILINGS. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES.
24. PROVIDE DIELECTRIC ISOLATION/SEPARATION (I.E. UNIONS) AT CONNECTIONS OF DISSIMILAR METALS.
25. ROUGH-IN ALL WASTE AND SUPPLIES TO SPECIAL EQUIPMENT ACCORDING TO MANUFACTURE'S SHOP DRAWINGS AND MAKE FINAL CONNECTIONS TO RENDER EQUIPMENT FULLY OPERATIONAL. ALL SUPPLIES SHALL BE VALVED. PROVIDE VACUUM BREAKERS OR CHECK VALVES WHERE REQUIRED BY AUTHORITY HAVING JURISDICTION.
26. PLUMBING CONTRACTOR SHALL TAG ALL VALVES WITH STAMPED BRASS TAGS. PROVIDE FIELD COORDINATED VALVE SCHEDULE MOUNTED IN 8-1/2"X11" PICTURE FRAME IN THE MECHANICAL ROOM.
27. ALL EXPOSED PLUMBING PENETRATIONS SHALL HAVE ESCUTCHEON PLATES.
28. ANY PLUMBING ITEMS EXPOSED TO VIEW SHALL BE PLACED PER THE ARCHITECTURAL DRAWINGS.
29. PROVIDE A BLUE STICKER ON CEILING GRID TEE BELOW ANY WATER VALVE ABOVE CEILING FOR LOCATION FACILITATION.
30. 3/8" HOT WATER RUNOUTS FROM HOT WATER RECIRCULATING LINES OR INSTA-HOT WATER HEATERS SHALL NOT EXCEED 30" IN LENGTH.
31. ONE WEEK PRIOR TO SUBSTANTIAL COMPLETION, SUBMIT DATE STAMPED VIDEO DOCUMENTING CONDITION OF UNDERGROUND WASTE LINES. ANY LINES FOUND TO BE OCCLUDED SHALL BE RODDED AND FLUSHED OUT AND THEN VIDEO DOCUMENTED AGAIN.
32. SEE TSP FOR ADDITIONAL REQUIREMENTS.

PLUMBING DRAWING INDEX

SHEET NUMBER	SHEET NAME
AP-001	PLUMBING LEGEND AND GENERAL NOTES
AP-100	PLUMBING SITE PLAN
AP-111	PLUMBING PLAN
AP-301	PLUMBING SECTIONS
AP-401	ENLARGED PLUMBING PLANS
AP-501	PLUMBING DETAILS
AP-601	PLUMBING EQUIPMENT SCHEDULE
AP-602	PLUMBING FIXTURE SCHEDULE
AP-603	PLUMBING FIXTURE SCHEDULE - CONTINUED
AP-901	PLUMBING - SANITARY WASTE ISOMETRIC
AP-902	PLUMBING - PARTIAL SANITARY WASTE ISOMETRIC
AP-903	PLUMBING - DOMESTIC WATER ISOMETRIC
AP-904	PLUMBING - PARTIAL DOMESTIC WATER ISOMETRIC
SHEETS: 13	

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Autodesk Docs://9345.00 ECRC/9345.00 Escambia ECRC WGIMEPFP R24.rvt

No.	Date	Issue / Revision

WGI

STEPHEN R. FORKNER, PE
PE 80532

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607
ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO

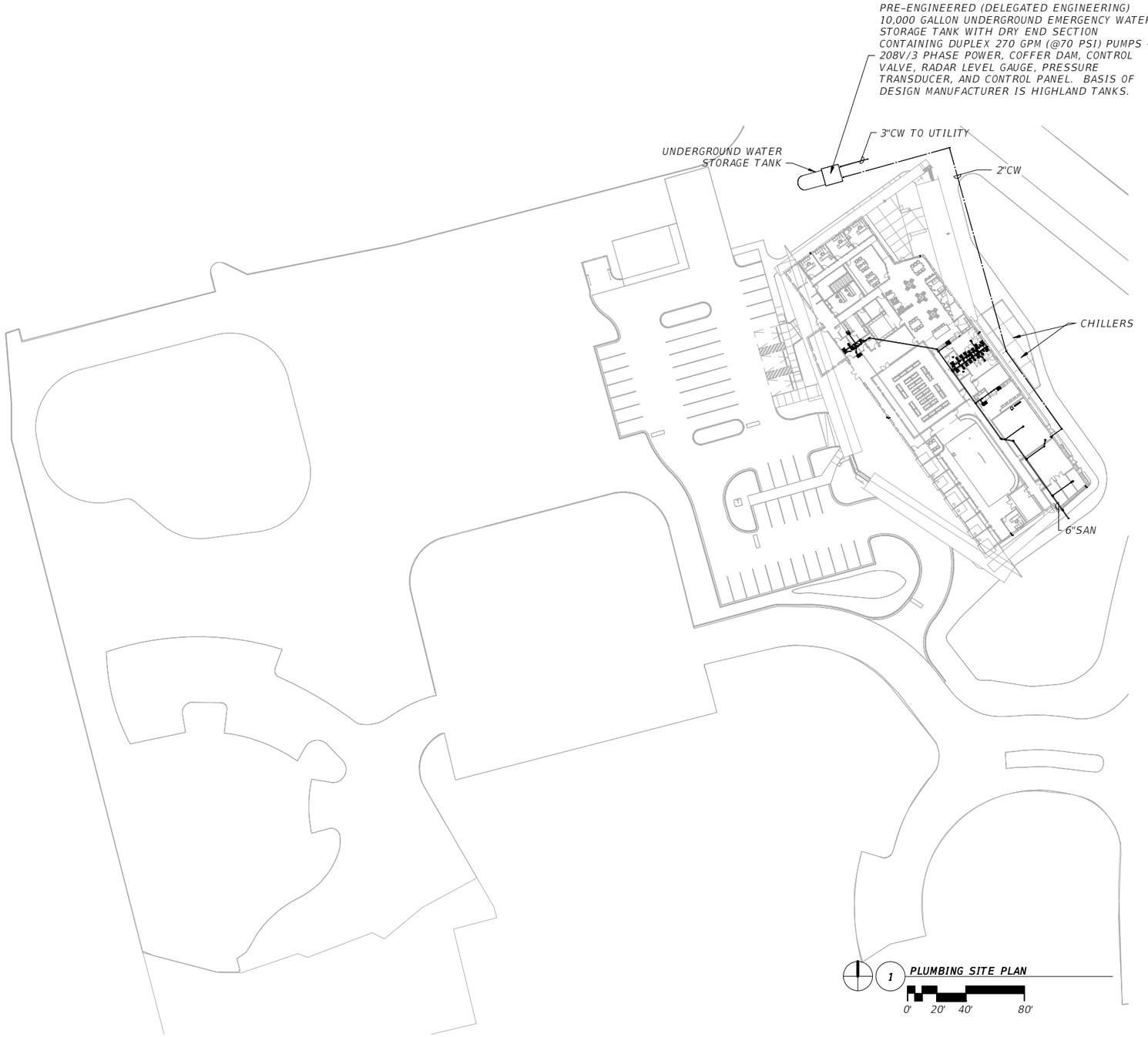
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

PLUMBING LEGEND AND GENERAL NOTES

DWG NO. AP-001

SHEET NO.

6/18/2025 4:19:31 PM



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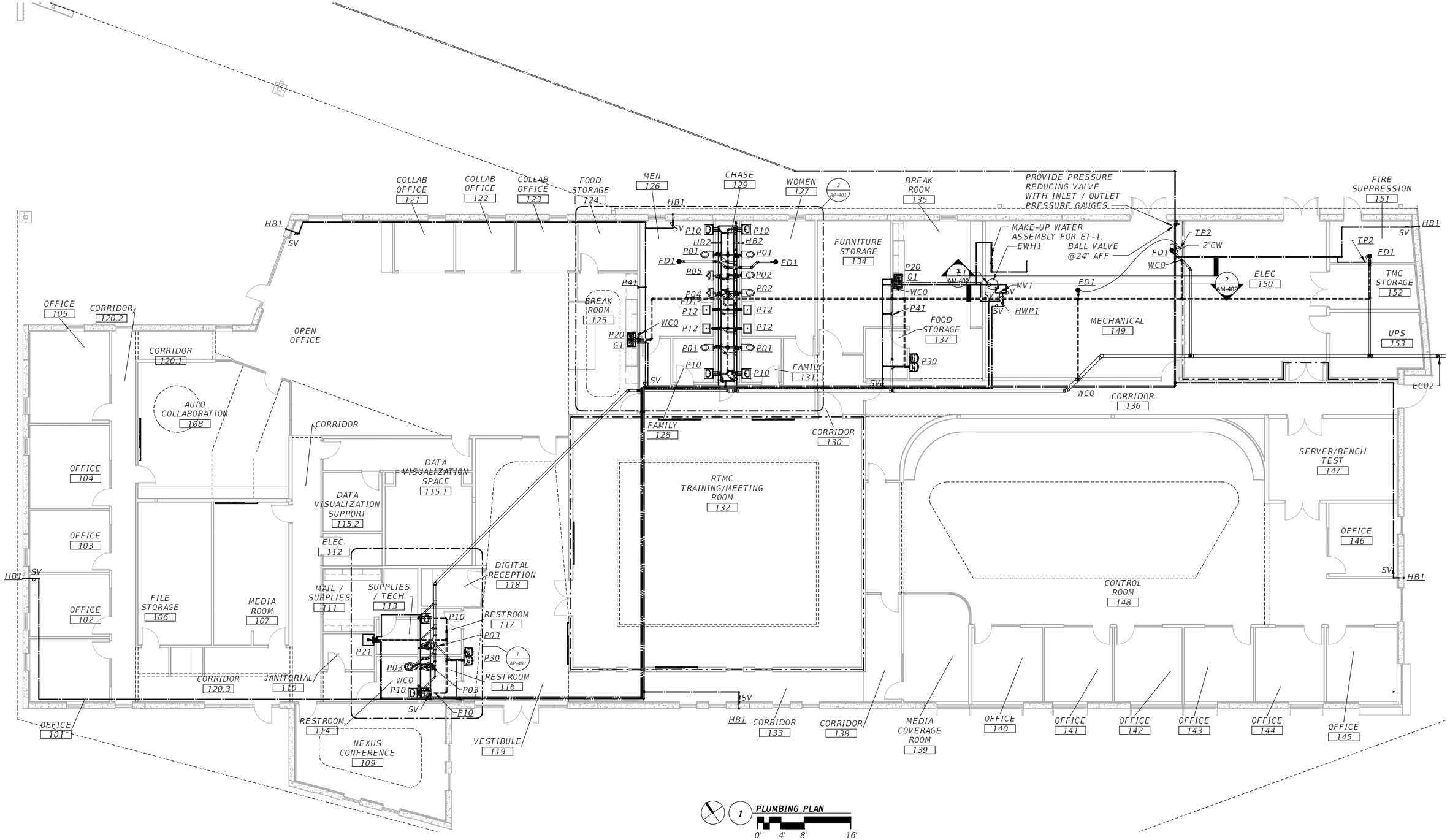
FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

PLUMBING SITE PLAN

DWG NO.
AP-100
SHEET NO.

6/18/2025 4:19:36 PM



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TAMPA, FL 33607
ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

PLUMBING PLAN

DWG NO. AP-111

SHEET NO.

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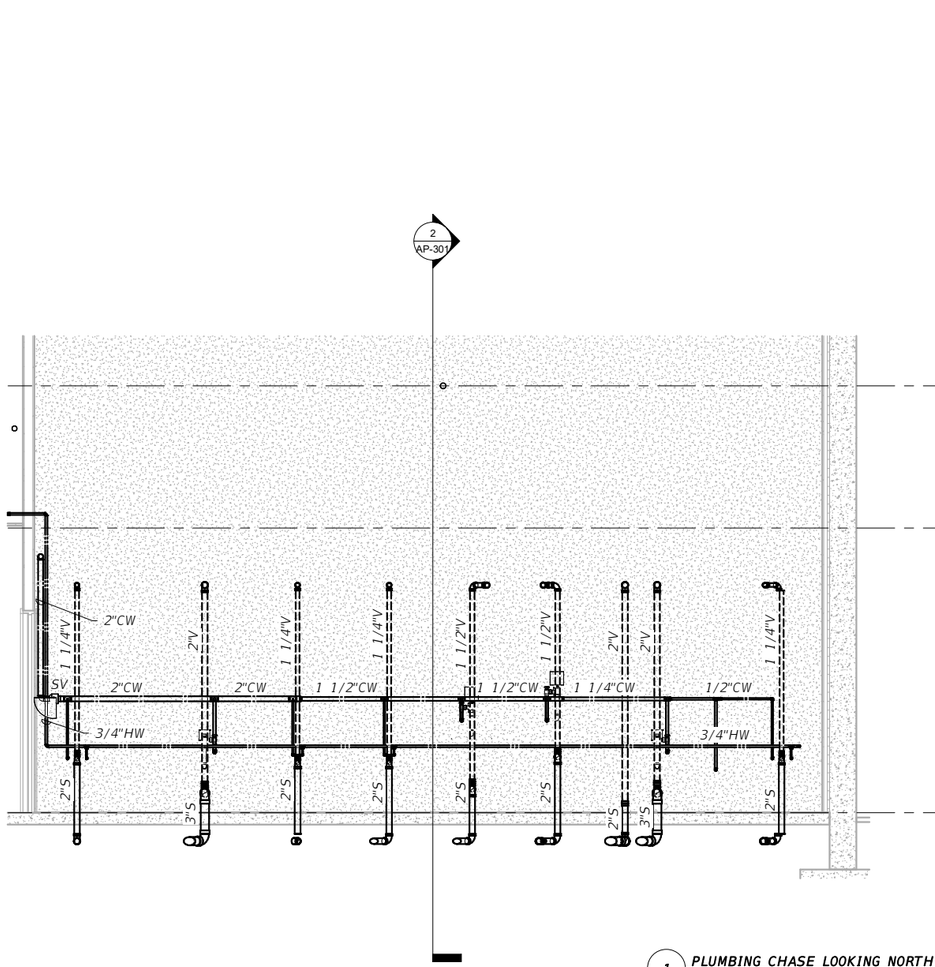
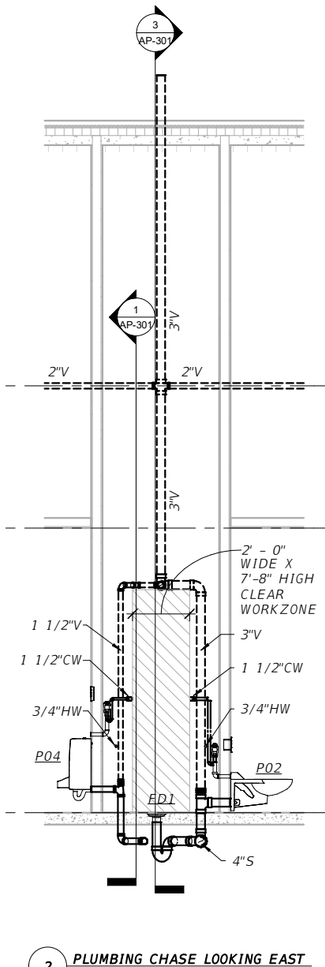
ALL WORK IN THE PLUMBING CHASE SHALL BE COMPLETED IN A WORKMANLIKE MANNER, NEAT AND TIGHT TO THE WALLS TO ENSURE APPROPRIATE ACCESS TO FACILITATE MAINTENANCE WORK. MAINTAIN A MINIMUM OF 2'-0" WIDE BY 7'-10" HIGH CLEAR WORK ZONE THROUGHOUT THE LENGTH OF THE CHASE.



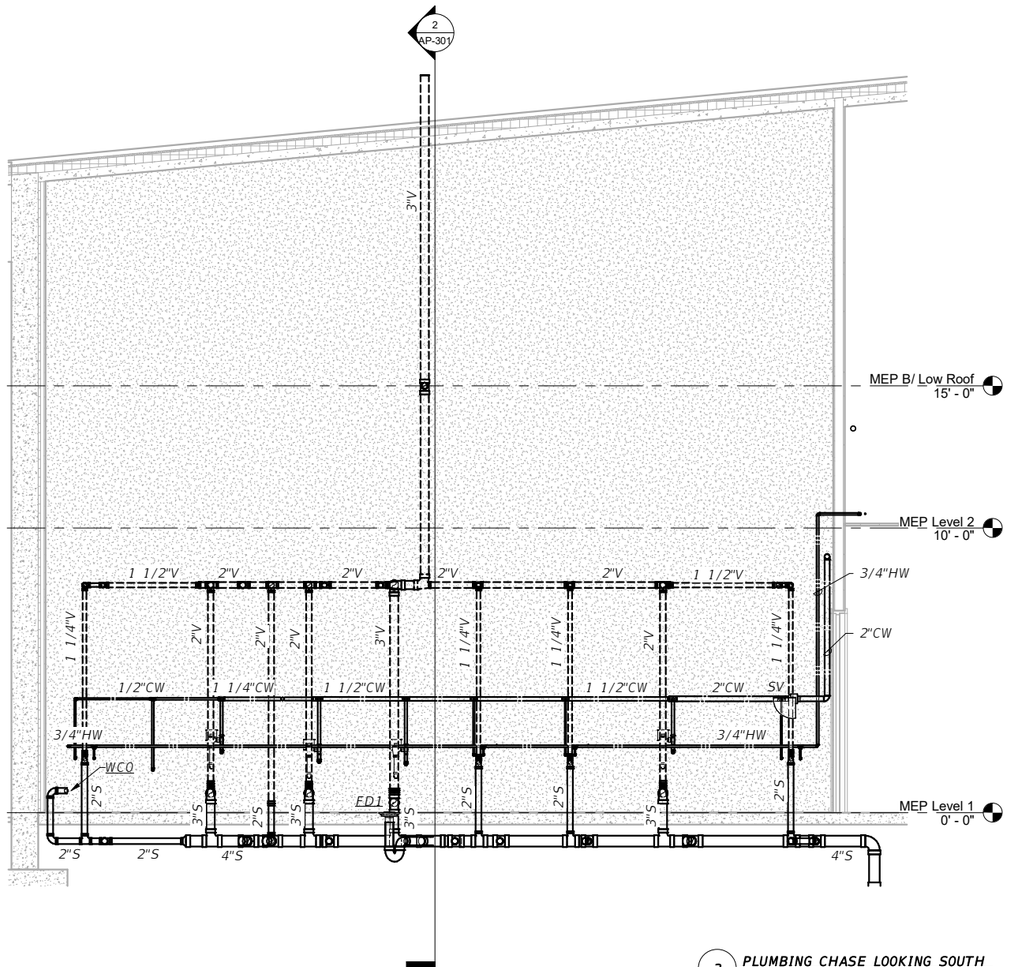
1 PLUMBING CHASE LOOKING NORTH

0' 2' 4' 8'



2 PLUMBING CHASE LOOKING EAST

0' 2' 4' 8'



3 PLUMBING CHASE LOOKING SOUTH

0' 2' 4' 8'

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FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

PLUMBING SECTIONS

DWG NO.
AP-301
SHEET NO.

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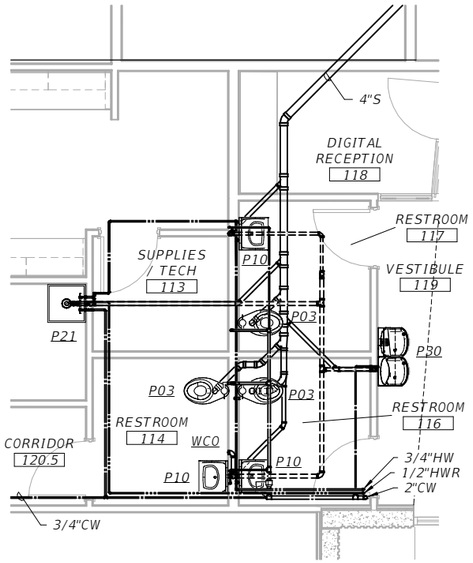
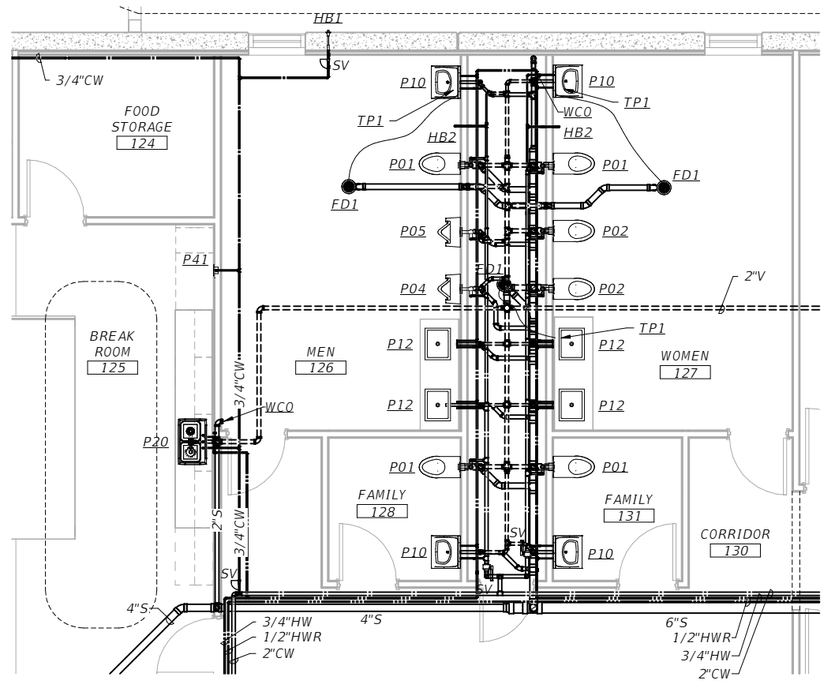


1 LOBBY AREA RESTROOMS PLUMBING PLAN

0' 2' 4' 8'



2 GROUP RESTROOMS PLUMBING PLAN

0' 2' 4' 8'

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FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

ENLARGED PLUMBING PLANS

DWG NO. AP-401

SHEET NO.

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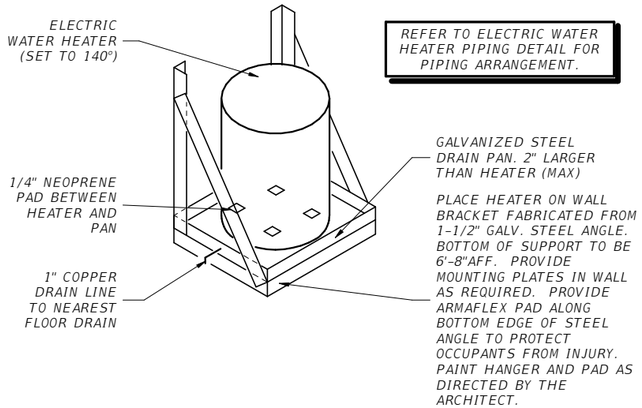
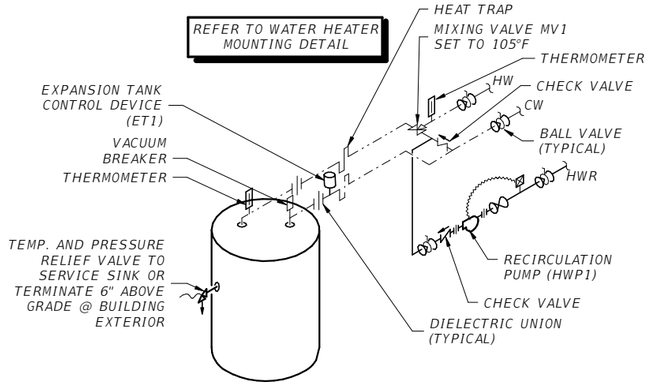


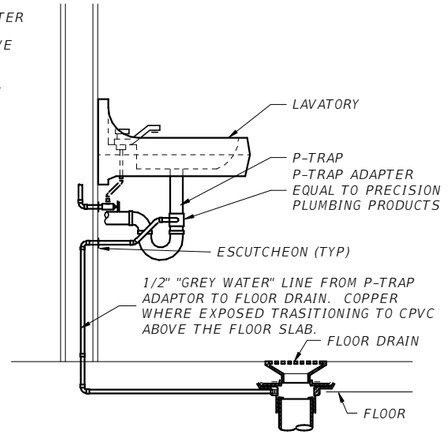
ELECTRIC WATER HEATER WALL HUNG DETAIL

NOT TO SCALE



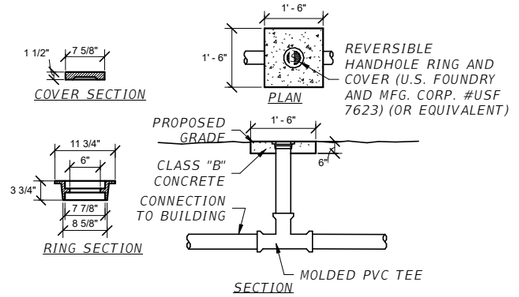
ELECTRIC WATER HEATER PIPING DETAIL WITH RECIRCULATION PUMP

NOT TO SCALE



TRAP PRIMER DETAIL

NOT TO SCALE

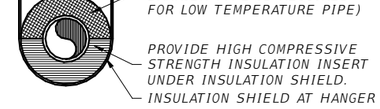


EXTERIOR CLEAN-OUT DETAIL (EC02)

NOT TO SCALE

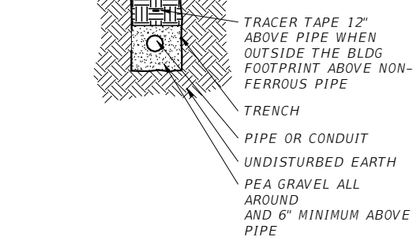
NON-INSULATED PIPE HANGER SUPPORT

NOT TO SCALE



INSULATED PIPE HANGER SUPPORT

NOT TO SCALE



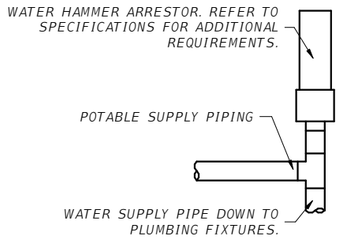
TRENCHING FOR PLUMBING LINES:

OVEREXCAVATION: WHERE TRENCHES ARE EXCAVATED BELOW THE INSTALLATION LEVEL OF THE PIPE SUCH THAT THE BOTTOM OF THE TRENCH DOES NOT FORM THE BED FOR THE PIPE, THE TRENCH SHALL BE BACKFILLED TO THE INSTALLATION LEVEL OF THE BOTTOM OF THE PIPE WITH SAND OR FINE GRAVEL PLACED IN LAYERS NOT GREATER THAN 6" IN DEPTH AND SUCH BACKFILL SHALL BE COMPACTED AFTER EACH PLACEMENT.

BACKFILLING: BACKFILL SHALL BE FREE FROM DISCARDED CONSTRUCTION MATERIAL AND DEBRIS. LOOSE EARTH FREE FROM ROCKS, BROKEN CONCRETE AND FROZEN CHUNKS SHALL BE PLACED IN THE TRENCH IN 6" LAYERS AND TAMPED IN PLACE UNTIL THE CROWN OF THE PIPE IS COVERED BY 12" OF TAMPED EARTH. THE BACKFILL UNDER AND BESIDE THE PIPE SHALL BE COMPACTED FOR PIPE SUPPORT. BACKFILL SHALL BE BROUGHT UP EVENLY ON BOTH SIDES OF THE PIPE SO THAT THE PIPE REMAINS ALIGNED. IN INSTANCES WHERE THE MANUFACTURER'S INSTRUCTIONS FOR MATERIALS ARE MORE RESTRICTIVE THAN THOSE PRESCRIBED BY THE CODE, THE MATERIAL SHALL BE INSTALLED IN ACCORDANCE WITH THE MORE RESTRICTIVE REQUIREMENT.

TRENCHING FOR PLUMBING PIPING

NOT TO SCALE

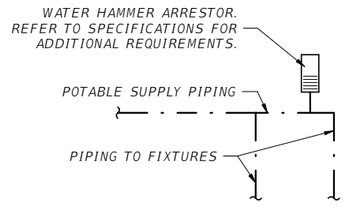


SIZE	FIXTURE UNITS	CROSS REF. PDI
1/2"	1-11	A
3/4"	12-32	B
1"	33-60	C
1 1/4"	61-113	D
1 1/2"	114-154	E
2"	155-330	F

SIZING BASED ON PRECISION PLUMBING PRODUCTS "SWEAT IT ON" MODEL

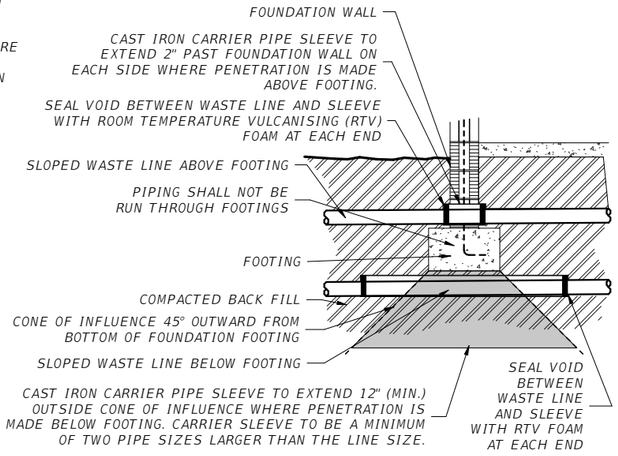
WATER HAMMER ARRESTOR DETAIL

NOT TO SCALE



WATER HAMMER ARRESTOR DETAIL

NOT TO SCALE



FOUNDATION PIPE SLEEVE DETAIL

NOT TO SCALE

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No.	Date	Issue / Revision

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PE 80532

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607
ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

PLUMBING DETAILS

DWG NO. AP-501

SHEET NO.

6/18/2025 4:19:43 PM

PLUMBING EQUIPMENT SCHEDULE

MARK	DESCRIPTION	SELECTION	W OR S	TRAP	VENT	HW	CW
FD1	FLOOR DRAIN 3" FLOOR DRAIN WITH TRAP PRIMER CONNECTED TO DOMESTIC COLD WATER LINE AT LAVATORY. NICKEL BRONZE TOP. 6" ROUND. CAST IRON BODY WITH FLASHING COLLAR AND ADJUSTABLE STRAINER.	SMITH 2005-A-6"	3"	3"	1-1/2"	-	-
TP1	TRAP PRIMER TAILPIECE. GRAVITY FED DEVICE WITH NO MECHANICAL PARTS. 1-1/4" TAILPIECE WITH 1/2" NOMINAL ARM FOR CONNECTION TO FLOOR DRAIN. USE TRAP PRIMER TAILPIECE IN-LIEU OF STANDARD LAVATORY TAILPIECE WHERE SPECIFIED. ASSE 1044 APPROVED.	SIOUX CHIEF 213-092	-	-	-	-	-
TP2	AUTOMATIC TRAP PRIMER DISTRIBUTION UNIT WITH 3-OUTLETS(MAX)	ZURN Z1022 -XL-DU3-LT	-	-	-	-	-
HB1	HOSE BIBB RECESSED WALL HYDRANT WITH LOOSE KEY HANDLE AND 3/4" HOSE THREADED OUTLET, INTEGRAL ANTI-SIPHON, VACUUM BREAKER. MOUNT 18" ABOVE GRADE. COORDINATE MTG. HEIGHT WITH GRADING PLAN.	ZURN Z-1322XL-EZ WOODFORD B75 2493/4-BR-MH	-	-	-	-	3/4"
HB2	HOSE BIBB POLISHED CHROME WALL SILL FAUCET WITH 3/4" FLANGED FEMALE INLET, TEE HANDLE AND 3/4" HOSE THREAD OUTLET. PROVIDE WITH VACUUM BREAKER. MOUNT 18" ABOVE FLOOR.	CHICAGO 387CP-E27	-	-	-	-	3/4"
MV1	MIXING VALVE THERMOSTATIC CONTROLLED WITH REMOVABLE STRAINER, STAINLESS STEEL PISTON AND LIQUID FILL THERMAL MOTOR WITH BELLOWS MOUNTED OUT OF WATER. SET WATER TEMP. @105°F.	SYMMONS TEMPCONTROL 7-200	-	-	-	3/4"	3/4"
VTR	VENT THROUGH ROOF TERMINAL. REFER TO ARCHITECTURAL DETAIL.	-	-	-	-	-	-
EWH1	ELECTRIC WATER HEATER 1,500 WATTS, 208 VOLT, SINGLE PHASE, 30 GALLON ELECTRIC WATER HEATER.	RHEEM EGSP30	-	-	-	3/4"	3/4"
HWP1	HOT WATER RECIRCULATOR PUMP WITH INTEGRAL TIMER & AQUASTAT. THREE SPEED, WET ROTOR, DIRECT DRIVE, CENTRIFUGAL PUMP. UL LISTED AND CSA APPROVED. 120V, 85 WATTS, 1/25 HP, CORD. ALL BRONZE CONSTRUCTION.	GRUNDFOS UP 15-18B7A/T	-	-	-	-	3/4"
ET1	EXPANSION TANK 2.5 GAL, 16 GA. STEEL TANK, BUTYL RUBBER / POLYPROPYLENE WATER CHAMBER.	FLEXCON PH 5	-	-	-	-	3/4"
WCO	CAST IRON TEE WALL CLEAN-OUT WITH BRONZE PLUG AND ROUND STAINLESS STEEL COVER PLATE. SIZE C.O. SAME AS LINE SIZE (2-1/2" MINIMUM). PROVIDE PVC TO NO-HUB ADAPTERS FOR PVC DWV APPLICATIONS.	SMITH 4351S-Y	2-1/2" MIN.	-	-	-	-
CO	THREADED CLEAN-OUT PLUG SIZE CLEANOUT SAME AS LINE SIZE.	-	-	-	-	-	-
G1	RESIDENTIAL GARBAGE DISPOSAL 1/2 HP, 120V, 1○ WITH STAINLESS STEEL GRIND CHAMBER, CUTTING ELEMENTS AND TURNTABLE.	IN-SINK-ERATOR 333SS	-	-	-	-	-

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FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

PLUMBING EQUIPMENT SCHEDULE

DWG NO.
AP-601
SHEET NO.

6/18/2025 4:19:43 PM

PLUMBING FIXTURE SCHEDULE

MARK	DESCRIPTION	SELECTION	W OR S	TRAP	VENT	HW	CW
P01 WATER CLOSET	HANDICAPPED ** WATER CLOSET BOWL: WHITE WALL MOUNTED WITH BACK OUTLET, VITREOUS CHINA, ELONGATED BOWL, SIPHON JET, REAR SPUD, LOW CONSUMPTION FLUSH (1.28 GPF). MTD. 17" AFF TO RIM. SEAT: WHITE SOLID PLASTIC, HEAVY DUTY, ELONGATED, OPEN FRONT (WITHOUT COVER), STAINLESS STEEL CHECK HINGES, INTEGRAL MOLDED BUMPERS FLUSH VALVE ASSEMBLY: CONCEALED SENSOR ACTIVATED FLUSHOMETER, 1" IPS ANGLE STOP WITH BACK-FLOW PREVENTION, 1-1/2" TOP SPUD, 120V TRANSFORMER, 24VAC SOLENOID OPERATOR, (ONE TRANSFORMER SERVERS UP TO 10 FLUSH VALVES, AND ALL WIRING IS TO BE CONCEALED), ROUGH-IN DIMENSION MUST BE COORDINATED FOR CLEARANCE OF HANDICAPPED GRAB BAR WHERE APPLICABLE. CARRIER: SINGLE VERTICAL ADJUSTABLE WATER CLOSET CARRIER WITH EPOXY COATED CAST IRON FITTING. CONFIRM HAND. ADA COMPLIANT INSTALLED SO THAT TOP OF SEAT IS 18" AFF.	AMERICAN STANDARD 2634.101.020 PROFLO PFTSCOF2000WH AMERICAN STANDARD 606B222.007 PK00.HAC/MAC ZURN Z1202-N4	3"	INT.	2"	-	1"
P02 WATER CLOSET	NON-HANDICAPPED WATER CLOSET BOWL: WHITE WALL MOUNTED WITH BACK OUTLET, VITREOUS CHINA, ELONGATED BOWL, SIPHON JET, REAR SPUD, LOW CONSUMPTION FLUSH (1.28 GPF). MTD. 14" AFF TO RIM. SEAT: WHITE SOLID PLASTIC, HEAVY DUTY, ELONGATED, OPEN FRONT (WITHOUT COVER), STAINLESS STEEL CHECK HINGES, INTEGRAL MOLDED BUMPERS FLUSH VALVE ASSEMBLY: CONCEALED SENSOR ACTIVATED FLUSHOMETER, 1" IPS ANGLE STOP WITH BACK-FLOW PREVENTION, 1-1/2" TOP SPUD, 120V TRANSFORMER, 24VAC SOLENOID OPERATOR, (ONE TRANSFORMER SERVERS UP TO 10 FLUSH VALVES, AND ALL WIRING IS TO BE CONCEALED), ROUGH-IN DIMENSION MUST BE COORDINATED FOR CLEARANCE OF HANDICAPPED GRAB BAR WHERE APPLICABLE. CARRIER: SINGLE VERTICAL ADJUSTABLE WATER CLOSET CARRIER WITH EPOXY COATED CAST IRON FITTING. CONFIRM HAND.	AMERICAN STANDARD 2634.101.020 PROFLO PFTSCOF2000WH AMERICAN STANDARD 606B222.007 PK00.HAC/MAC ZURN Z1202-N4	3"	INT.	2"	-	1"
P03 WATER CLOSET	HANDICAPPED ** BOWL: WHITE FLOOR MOUNTED WITH BOTTOM OUTLET, VITREOUS CHINA, SIPHON-JET, ELONGATED BOWL, 18" AFF TO SEAT, BOLT CAPS WITH CAULK, LOW CONSUMPTION FLUSH (1.28 GPF). BOWL AND SEAT DIMENSIONS MUST MATCH WITHIN 1/4". SEAT: WHITE SOLID PLASTIC, HEAVY DUTY, ELONGATED, OPEN FRONT (WITHOUT COVER), STAINLESS STEEL SELF-SUSTAINING CHECK HINGES, INTEGRAL MOLDED BUMPERS. FLUSH VALVE ASSEMBLY : 11-1/2" HIGH ABOVE RIM, PISTON TYPE (1.28 GALLON FLUSH), CHROME FINISH, ADA COMPLIANT. 120V TRANSFORMER, 24VAC SOLENOID OPERATOR, SENSOR OPERATED VALVE, 1" INLET, 1-1/2" OUTLET, INTEGRAL SCREWDRIVER ADJUSTABLE ANGLE STOP AND CHECK VALVE WITH COVER, VACUUM BREAKER, WALL AND SPUD FLANGES, SWEAT SOLDER ADAPTER KIT, SOLID RING PIPE SUPPORT, ROUGH-IN DIMENSION MUST ALLOW FOR FLUSH VALVE CLEARANCE OF HANDICAPPED GRAB BAR WHERE APPLICABLE, OR OFFSET FITTING MAY BE REQUIRED.	AMERICAN STANDARD 3043001.020 PROFLO PFTSCOF2000WH AMERICAN STANDARD 6147SM121.002 PK00.HAC/MAC	3"	INT.	2"	-	1"
P04 URINAL	HANDICAPPED ** URINAL URINAL: WHITE, WALL HUNG VITREOUS CHINA, REAR SPUD, 14" PROJECTION, 17" TO LIP, LOW CONSUMPTION FLUSH (0.125 GPF), 304 STAINLESS STEEL BOLTS AND WASHERS FLUSH VALVE ASSEMBLY: CONCEALED SENSOR ACTIVATED FLUSHOMETER (0.125 GALLON FLUSH), 3/4" INLET, INTEGRAL BACK-FLOW PROTECTION, 120V TRANSFORMER, 24VAC SOLENOID OPERATOR, (ONE TRANSFORMER SERVERS UP TO 10 FLUSH VALVES, AND ALL WIRING IS TO BE CONCEALED), ROUGH-IN DIMENSION MUST ALLOW FOR FLUSH VALVE CLEARANCE OF HANDICAPPED GRAB BAR WHERE APPLICABLE, OR OFFSET MAY BE REQUIRED. CARRIER: FLOOR MOUNTED CARRIER WITH SUPPORT PLATE,	AMERICAN STANDARD 6515.001 AMERICAN STANDARD 606B301.007 PK00.HAC/MAC ZURN Z1221	2"	INT.	1-1/2"	-	3/4"
P05 URINAL	NON-HANDICAPPED URINAL URINAL: WHITE, WALL HUNG VITREOUS CHINA, REAR SPUD, 14" PROJECTION, LOW CONSUMPTION FLUSH (0.125 GPF), 304 STAINLESS STEEL BOLTS AND WASHERS FLUSH VALVE ASSEMBLY: CONCEALED SENSOR ACTIVATED FLUSHOMETER (0.125 GALLON FLUSH), 3/4" INLET, INTEGRAL BACK-FLOW PROTECTION, 120V TRANSFORMER, 24VAC SOLENOID OPERATOR, (ONE TRANSFORMER SERVERS UP TO 10 FLUSH VALVES, AND ALL WIRING IS TO BE CONCEALED), ROUGH-IN DIMENSION MUST ALLOW FOR FLUSH VALVE CLEARANCE OF HANDICAPPED GRAB BAR WHERE APPLICABLE, OR OFFSET MAY BE REQUIRED. CARRIER: FLOOR MOUNTED CARRIER WITH SUPPORT PLATE,	AMERICAN STANDARD 6515.001 AMERICAN STANDARD 606B301.007 PK00.HAC/MAC ZURN Z1221	2"	INT.	1-1/2"	-	3/4"
P10 LAV	HANDICAPPED ** TEMPERED WATER BOWL: WHITE, WALL MOUNTED, VITREOUS CHINA, 20"X18", SINGLE CENTER FAUCET HOLE. FAUCET: CHROME FINISHED SENSOR FAUCET, ADA COMPLIANT, VANDAL RESISTANT AERATOR, MOUNT IN CENTER HOLE. 120V TRANSFORMER, 24VAC SOLENOID OPERATOR. ALL WIRING IS TO BE CONCEALED. DRAIN: FLAT GRID, CHROME FINISH, 1-1/4" OUTLET WITH ADA COMPLIANT OFFSET TAILPIECE. PROVIDE PROTECTIVE INSULATION AS REQUIRED BY ADA. P-TRAP: CHROME FINISHED WITH TWO UNIONS, 1-1/4" INLET AND 1-1/2" OUTLET, WITHOUT CLEANOUT, WALL ESCUTCHEON, WASTE LINE INSULATION. SUPPLY: TWO REQUIRED, CHROME PLATED, LOOSE KEY ANGLE VALVE, WALL ESCUTCHEON, FLEXIBLE TUBE RISER, 3/8" INLET AND OUTLET CONNECTIONS. PROVIDE PROTECTIVE INSULATION AS REQUIRED BY ADA**. MIXING VALVE: THERMOSTATICALLY CONTROLLED POINT OF USE MIXING VALVE. LEAD FREE. ASSE 1070 COMPLIANT. SET TEMPERATURE TO 80°F. RUN 3/8"TW TO FAUCET. CARRIER: PROVIDE FLOOR MOUNTED WALL CARRIER WITH CONCEALED WALL PLATE. MOUNT WITH APRON AT 29"(MIN) AND RIM AT 34"(MAX).	AMERICAN STANDARD 0356041.020 AMERICAN STANDARD 775B103.002 PK00.HAC DEARBORN BRASS 760W-1 MCGUIRE 8902CNC MCGUIRE LF2165CCLK PLUMBEREX "PRO-2000" AMERICAN STANDARD 605XTMV1070.000 ZURN Z1231	2"	1-1/4"	1-1/4"	3/8"(1) - 3/8" TW 3/8" 3/8"TW OUT	1/2"(1) - 3/8" 3/8"

** FIXTURE AND ALL ATTACHMENTS SHALL COMPLY WITH THE 8TH EDITION (2023) FBC/ACCESSIBILITY CODE. FIXTURE TO BE MOUNTED PER THIS SCHEDULE UNLESS NOTED OTHERWISE IN PLAN. FLUSH VALVE IS TO BE ON THE SIDE TOWARDS THE ASSOCIATED LAVATORY WHERE APPLICABLE.

(1) BRANCH RUNOUT TO FIXTURE LINE SIZE. PROVIDE TEE IN CW LINE AFTER STOP TO RUN TO MIXING VALVE AND FAUCET. RUN HW TO MIXING VALVE.

(2) PROVIDE KNOCKOUT(S) ON BOTTOM OF WATER COOLER FOR CHORD(S) AND PLUG(S) TO RECEPTACLE. RECEPTACLE SHALL BE ACCESSIBLE AND NOT LOCATED BEHIND THE SHROUD.

No.	Date	Issue / Revision

STEPHEN R. FORKNER, PE
PE 80532

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607
ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

PLUMBING FIXTURE SCHEDULE

DWG NO. AP-602

SHEET NO.

Autodesk Docs://9345.00 ECRC/9345.00 Escambia ECRC WGIMEPPP R24.rvt

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PLUMBING FIXTURE SCHEDULE – CONTINUED

MARK	DESCRIPTION	SELECTION	W OR S	TRAP	VENT	HW	CW
P12 LAV	HANDICAPPED ** TEMPERED WATER BOWL: WHITE, UNDERMOUNT WITH UNGLAZED RIM, RECTANGULAR VITREOUS CHINA, 17.25"X13.75"X5". FAUCET: CHROME FINISHED SENSOR FAUCET, ADA COMPLIANT, VANDAL RESISTANT AERATOR, MOUNT IN CENTER HOLE. 120V TRANSFORMER, 24VAC SOLENOID OPERATOR. ALL WIRING IS TO BE CONCEALED. DRAIN: FLAT GRID, CHROME FINISH, 1-1/4" OUTLET WITH ADA COMPLIANT OFFSET TAILPIECE. PROVIDE PROTECTIVE INSULATION AS REQUIRED BY ADA. P-TRAP: CHROME FINISHED WITH TWO UNIONS, 1-1/4" INLET AND 1-1/2" OUTLET, WITHOUT CLEANOUT, WALL ESCUTCHEON, WASTE LINE INSULATION. SUPPLY: TWO REQUIRED, CHROME PLATED, LOOSE KEY ANGLE VALVE, WALL ESCUTCHEON, FLEXIBLE TUBE RISER, 3/8" INLET AND OUTLET CONNECTIONS. PROVIDE PROTECTIVE INSULATION AS REQUIRED BY ADA**. MIXING VALVE: THERMOSTATICALLY CONTROLLED POINT OF USE MIXING VALVE. LEAD FREE. ASSE 1070 COMPLIANT. SET TEMPERATURE TO 80°F. RUN 3/8"TW TO FAUCET.	AMERICAN STANDARD 0315.000 AMERICAN STANDARD 775B103.002 PK00.HAC DEARBORN BRASS 760W-1 MCGUIRE 8902CNC MCGUIRE LF2165CCLK PLUMBEREX "PRO-2000" AMERICAN STANDARD 605XTMV1070.000	2"	1-1/4"	1-1/4"	3/8"(1) - 3/8" TW 3/8" 3/8"TW OUT	- 3/8"
P20 SINK	HANDICAPPED **/NON-HANDICAPPED HOT/ COLD WATER (DOUBLE BOWL) BOWL: TWO COMPARTMENT, COUNTERTOP-MOUNTED, STAINLESS STEEL, 18 GAUGE-TYPE 302, 29"x18"x5.5" INCHES OVERALL, THREE FAUCET HOLES IN CENTER OF BACK LEDGE. FAUCET: 9-1/2 INCH SWING SPOUT, AERATOR (1.5 GPM), LEVER HANDLES, CHROME FINISHED, ADA COMPLIANT. DRAIN: CONICAL STRAINER WITH STOPPER, 1-1/2 INCH OUTLET. P-TRAP: CHROME FINISHED WITH TWO UNIONS, 1-1/2" INLET AND OUTLET, WITHOUT CLEANOUT. SUPPLY: TWO REQUIRED, CHROME PLATED, LOOSE KEY ANGLE VALVES, WALL ESCUTCHEON, FLEXIBLE TUBE RISER, 3/8" INLET CONNECTIONS. MIXING VALVE: THERMOSTATICALLY CONTROLLED POINT OF USE MIXING VALVE. LEAD FREE. ASSE 1070 COMPLIANT. SET TEMPERATURE TO 80°F. RUN 3/8"TW TO FAUCET.	ELKAY LRAD 291855 (CUSTOM PUNCH) CHICAGO 1888-E35-369ABCP ELKAY LK-35 MCGUIRE 8912CNC MCGUIRE 2165CCLK ZURN 38-ZW1070XLCOMP	2"	2"	2"	3/8"(1) - 3/8" TW 3/8" 3/8"TW OUT	1/2"(1) - 3/8" 3/8"
P21	MOP SINK ONE-PIECE CONSTRUCTION, 24"x24"x10", FLOOR MOUNTED TYPE. FAUCET WITH PAIL HOOK AND HOSE END, VACUUM BREAKER, INTEGRAL STOPS, VANDAL PROOF HANDLE MOP HANGER, 24" X 3", 18 GA. STAINLESS STEEL BUMPER GUARD. 12 OZ. SILICONE SEALANT. 30" HOSE AND BRACKET COMBINATION.	FIAT MSB 2424 CHICAGO 305-VB-R-VPH FIAT 889-CC FIAT 833-AA FIAT 832-AA	3"	3"	2"	1/2"	1/2"
P30	HANDICAPPED ** WHEELCHAIR ACCESSIBLE, NON-RECESSED, VANDAL-RESISTANT BOTTLE FILLING STATION & BI-LEVEL COOLER. NON-FILTERED REFRIGERATED STAINLESS. CHILLING CAPACITY OF 8.0 GPH 50°F BASED ON 80° F INLET WATER. FEATURES SHALL INCLUDE STAINLESS STEEL TOP AND SIDES, WITH SIDE AND FRONT PUSHBARS, GRID STRAINER, VANDAL RESISTANT. FURNISHED WITH VANDAL RESISTANT BUBBLE, ELECTRONIC BOTTLE FILLER BUTTON WITH SENSOR ACTIVATION. PRODUCT SHALL BE WALL MOUNT (ON WALL) AND RATED FOR INDOOR APPLICATIONS. 370 WATTS @ 120V/1PH/60HZ. P-TRAP: 1-1/2", CAST BRASS WITHOUT CLEAN OUT. 1/2" STOP. MOUNT WITH BUBBLERS AT 30" & 36" AFF. SEE NOTE (2).	ELKAY LZSTL8WSSK MCGUIRE 8912CNC	2"	1-1/2"	1-1/4"	-	3/8"

MARK	DESCRIPTION	SELECTION	W OR S	TRAP	VENT	HW	CW
P41	RESIDENTIAL TYPE VALVE BOX FOR RESIDENTIAL REFRIGERATOR AND DISHWASHER ROUGH-IN AND MAKE ALL CONNECTIONS. ONE 1/2" HOSE BIBB AND 7-1/2" X 9" X 3-1/2" BOX. NOTE: PROVIDE 4" BOX IN STUD WALLS.	WATER-TITE 9700	-	-	-	-	1/2"

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No.	Date	Issue / Revision

STEPHEN R. FORKNER, PE
PE 80532

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607
ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

PLUMBING FIXTURE SCHEDULE - CONTINUED

DWG NO. AP-603

SHEET NO.

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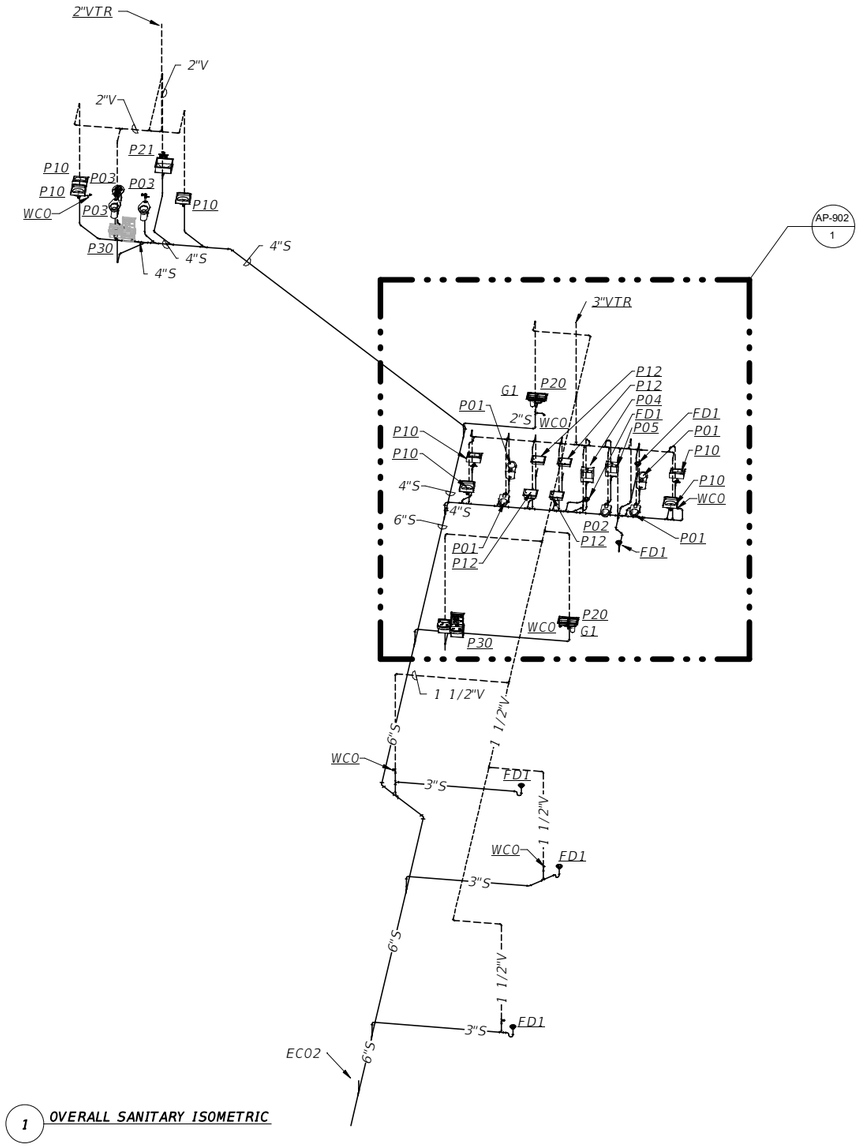

1 OVERALL SANITARY ISOMETRIC

No.	Date	Issue / Revision

STEPHEN R. FORKNER, PE
PE 80532

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607
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FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

PLUMBING - SANITARY WASTE ISOMETRIC

DWG NO. AP-901

SHEET NO.

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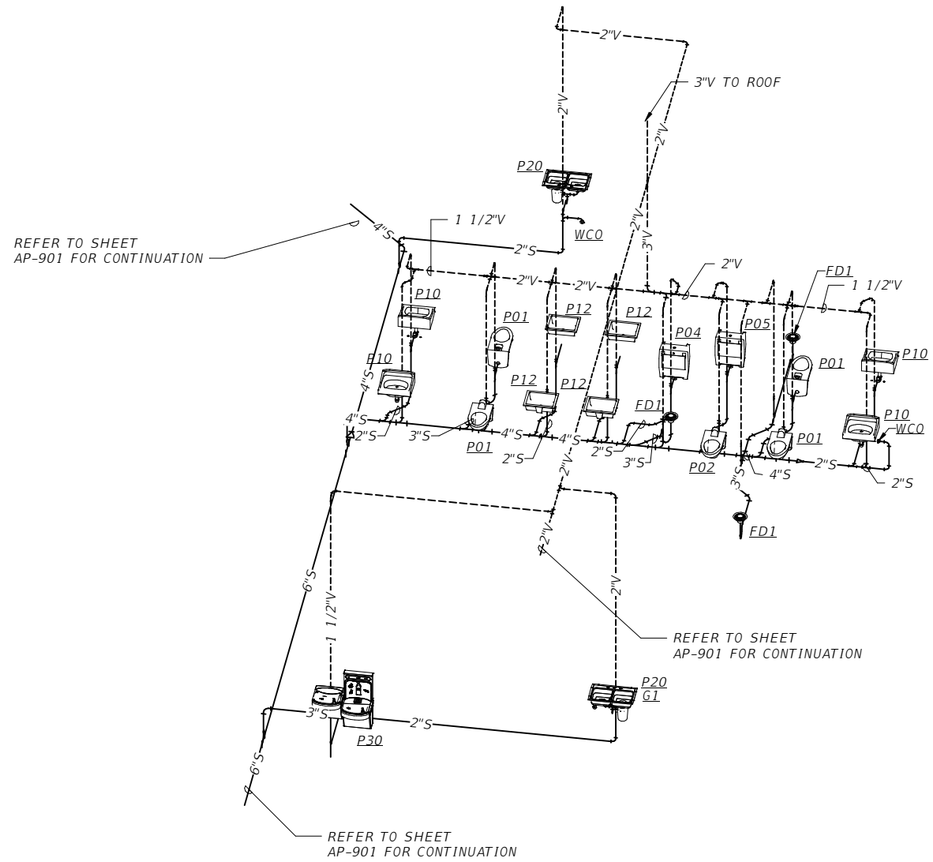

1 **PARTIAL SANITARY RISER**

No.	Date	Issue / Revision

STEPHEN R. FORKNER, PE
PE 80532

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607
ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

PLUMBING - PARTIAL SANITARY WASTE ISOMETRIC

DWG NO. AP-902

SHEET NO.

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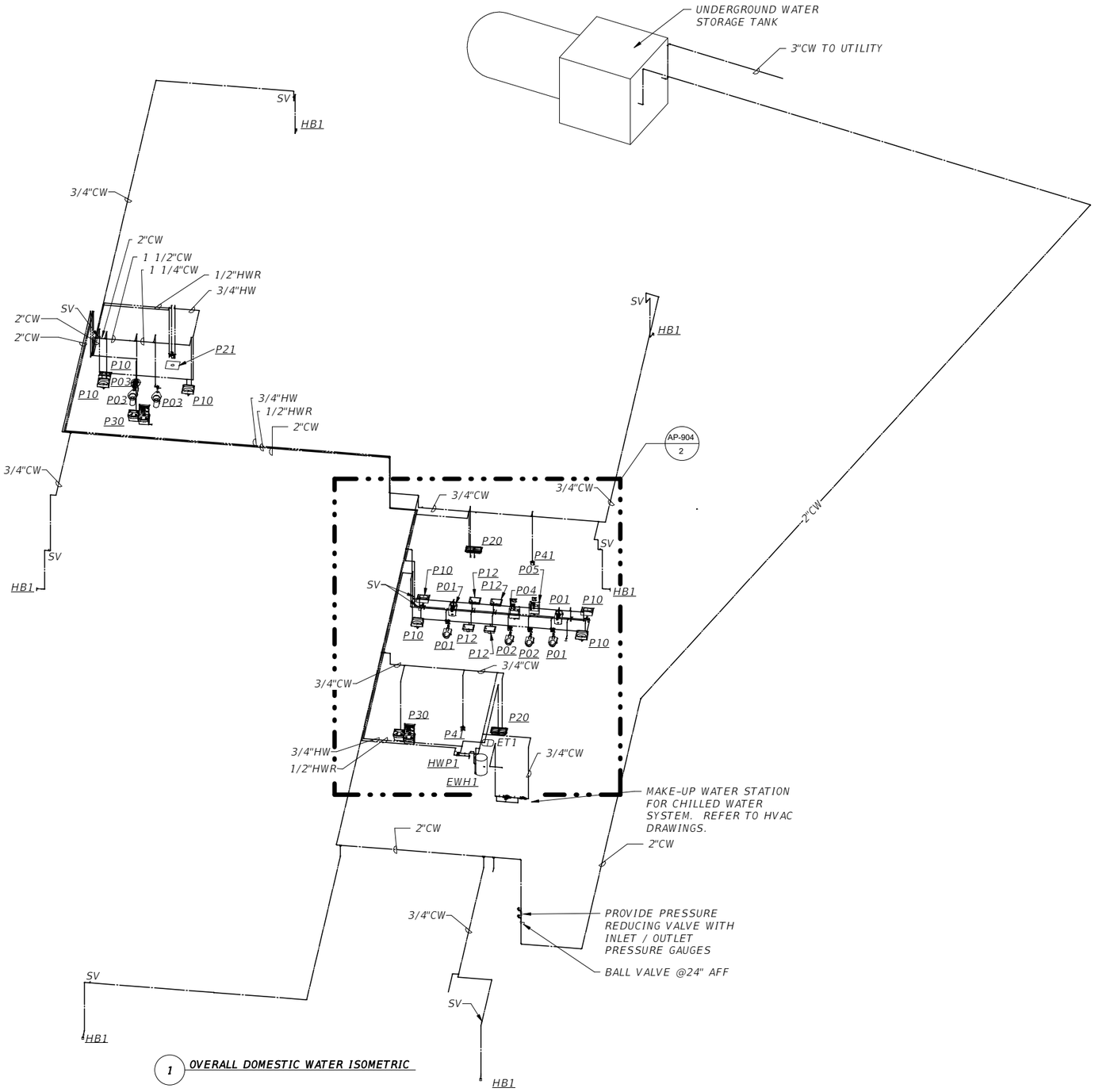

1 OVERALL DOMESTIC WATER ISOMETRIC

No.	Date	Issue / Revision

STEPHEN R. FORKNER, PE
PE 80532

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607
ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

PLUMBING - DOMESTIC WATER ISOMETRIC

DWG NO. AP-903

SHEET NO.

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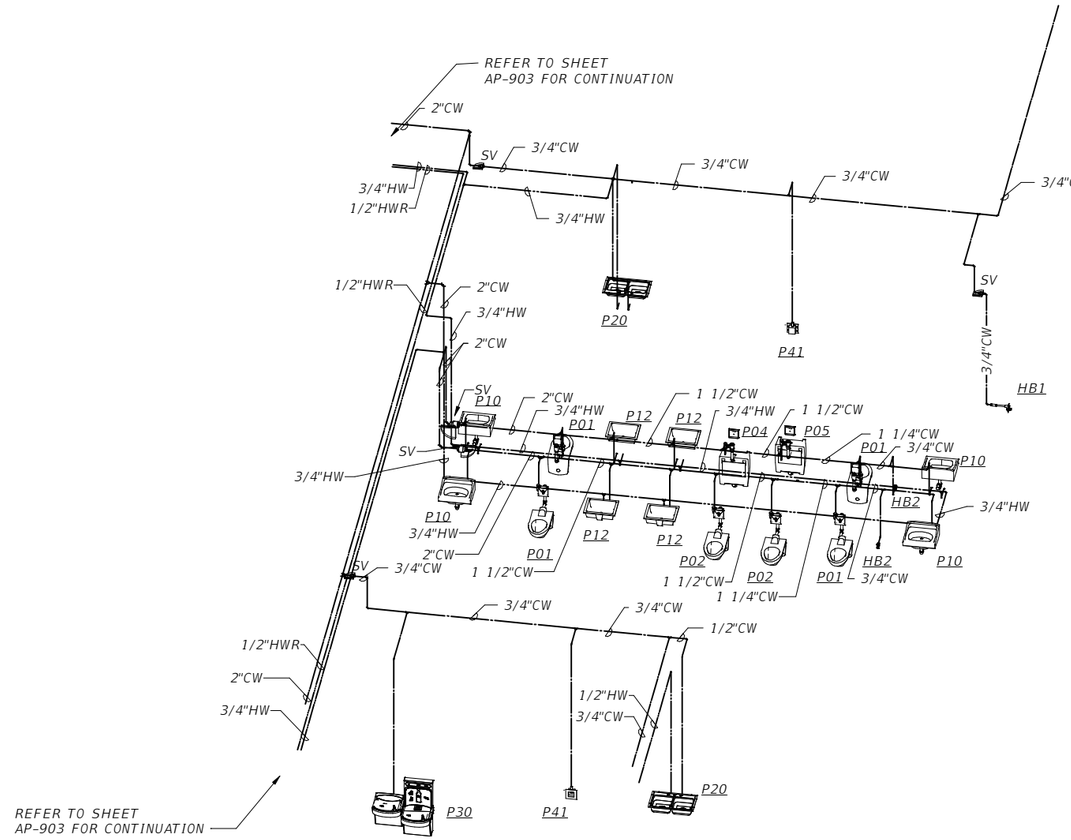

1 **PARTIAL DOMESTIC RISER**

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No.	Date	Issue / Revision

STEPHEN R. FORKNER, PE
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WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607
ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

PLUMBING - PARTIAL DOMESTIC WATER ISOMETRIC

DWG NO. AP-904

SHEET NO.

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GENERAL MECHANICAL NOTES

1. ALL MECHANICAL WORK SHALL MEET ALL OF THE REQUIREMENTS OF THE FOLLOWING:
   - A. FLORIDA BUILDING CODE (FBC) 8TH EDITION (2023) (EFFECTIVE DECEMBER 31, 2023): THIS CODE INCLUDES THE 2023 FBC BUILDING, MECHANICAL, PLUMBING, ENERGY CONSERVATION, FUEL GAS, ACCESSIBILITY, AND TEST PROTOCOLS VOLUMES. FURTHER, SEE "REFERENCED STANDARDS" IN THE FBC BUILDING CHAPTER 35; FBC MECHANICAL CHAPTER 15; FBC PLUMBING CHAPTER 15; FBC ENERGY CONSERVATION CHAPTER 6; AND FBC FUEL GAS CHAPTER 8).
   - B. 8TH EDITION OF THE FLORIDA FIRE PREVENTION CODE (FFPC): THIS CODE ALSO INCLUDES THE FLORIDA VERSIONS OF NFPA 1 AND NFPA 101. (EFFECTIVE DECEMBER 31, 2023).
   - C. 2020 NATIONAL ELECTRIC CODE.
   - D. STATE OF FLORIDA, DEPARTMENT OF ENVIRONMENTAL REGULATION RULES.
   - E. FDOT BUILDING FACILITIES DESIGN MANUAL 625-020-016-F – REVISED MAY 2020.
2. VERIFY, BY VISITING THE SITE, THE LOCATION OF UTILITIES IN ALL AREAS BEFORE COMMENCING WORK.
3. COORDINATE ALL WORK WITH OTHER AFFECTED TRADES. THE MECHANICAL CONTRACTOR SHALL FORWARD TO THE ELECTRICAL CONTRACTOR AN APPROVED COPY OF ALL EQUIPMENT SHOP DRAWINGS FOR ELECTRICAL POWER/CONTROL INTERFACE.
4. COVER ALL ELECTRICAL AND MECHANICAL EQUIPMENT TO PROTECT THEM FROM DUST AND DAMAGE DURING CONSTRUCTION. RESTORE ALL FACTORY PAINTED SURFACES TO NEW CONDITION, REPAIR ALL SCRATCHES, DENTS AND ABRASIONS. THOROUGHLY CLEAN ALL SURFACES OF DUST DEBRIS, AND FOREIGN MATTER. THE EQUIPMENT, WHEN TURNED OVER TO THE OWNER, SHALL BE CLEAN AND FREE OF DEFECTS.
5. THE CONDENSATE DRAIN LINE SHALL HAVE A TRAP AT THE AIR HANDLING UNIT. TRAP SHALL BE FULL SIZE OF UNIT CONNECTION AND SHALL BE AS DETAILED. PROVIDE CLEAN OUTS IN ALL CHANGES OF DIRECTION. MINIMUM PITCH 1/8" PER FOOT. CONDENSATE DRAIN LINE SHALL RUN TO A FLOOR DRAIN. INSULATE ALL INTERIOR CONDENSATE PIPING WITH FLEXIBLE UNICELLULAR FOAM (ARMAFLEX OR EQUIVALENT) INSULATION TO PREVENT SWEATING. CONDENSATE DRAIN LINES AND TRAPS IN MECHANICAL ROOMS SHALL BE INSULATED COPPER AND SHALL BE RIGIDLY SUPPORTED.
6. FLEXIBLE UNICELLULAR FOAM (ARMAFLEX OR EQUIVALENT) INSULATION SHALL BE 25/50 FLAME SPREAD/SMOKE DEVELOPED. REFRIGERANT PIPING SHALL BE INSULATED WITH FLEXIBLE UNICELLULAR FOAM INSULATION COMPLYING WITH ASTM C534, TYPE 1. PROVIDE ALUMINUM CLADDING FOR ALL INSULATION EXPOSED TO THE SUN AND WEATHER.
7. REFRIGERANT LINES SHALL BE SIZED AND REFRIGERANT SPECIALTIES SHALL BE PROVIDED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS FOR STATIC LIFTS AND TOTAL LENGTHS REQUIRED. INSTALL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
8. AIR HANDLING UNITS SHALL HAVE AN AUXILIARY DRAIN PAN 3" LARGER THAN UNIT EACH WAY. DRAIN PAN SHALL HAVE A FLOAT SWITCH TO DE-ENERGIZE THE AHU IN EVENT OF A CONDENSATE OVERFLOW CONDITION.
9. AIR HANDLING UNITS SHALL BE PLACED ON A 1/4" NEOPRENE PAD WITHIN THE AUXILIARY DRAIN PAN.
10. AIR HANDLING UNITS SHALL BE PLACED A MINIMUM OF 30" AWAY FROM WALLS.
11. HOUSEKEEPING PADS SHALL BE A MINIMUM OF 4" HIGH AND SHALL EXTEND AT LEAST 6" BEYOND THE EQUIPMENT IT SUPPORTS. AIR HANDLER AND CHILLER PADS SHALL BE A MINIMUM OF 6" THICK, AND PUMP PADS SHALL BE A MINIMUM OF 8" THICK. ALL HOUSEKEEPING PADS SHALL HAVE 3/4" CHAMFERED EDGES.
12. IN GENERAL, PLANS ARE SCHEMATIC ONLY AND SHOULD NOT BE SCALED.
13. ALL DUCTWORK SHALL MEET THE STANDARDS SET FORTH BY THE LATEST EDITION OF SMACNA "HVAC DUCT CONSTRUCTION STANDARDS". SUPPLY, RETURN, AND EXHAUST DUCTWORK SHALL BE FABRICATED FROM SHEET METAL. ALL ROUND DUCT SHALL BE SHEET METAL UNLESS OTHERWISE NOTED. PROVIDE TURNING VANES IN ALL 90° DUCT ELBOWS.
14. SUPPLY AIR DUCT FULL SIZE OF UNIT DISCHARGE. TRANSITION TO SIZE INDICATED ON DRAWINGS. RETURN AIR DUCT IS TO TRANSITION FROM SIZE INDICATED ON DRAWINGS TO FULL SIZE OF UNIT INLET.
15. ALL DUCT DIMENSIONS ARE CLEAR INSIDE DIMENSIONS (FREE AREA).
16. VERIFY ALL CLEARANCES AND DIMENSIONS BEFORE FABRICATION OF DUCTWORK AND PROVIDE ADDITIONAL OFFSETS TO MEET FIELD CONDITIONS. ADJUST LOCATIONS OF ALL EQUIPMENT AND DUCTWORK, AS NECESSARY TO AVOID INTERFERENCES WITH STRUCTURAL AND OTHER BUILDING COMPONENTS.
17. UNLESS NOTED OTHERWISE, INSTALL DUCTWORK AS HIGH AS POSSIBLE, TIGHT TO UNDERSIDE OF STRUCTURE. COORDINATE DUCT ELEVATION WITH RAIN LEADERS, WATER PIPING, DRAINS, AND MAJOR ELECTRICAL CONDUITS AND LIGHTS. PROVIDE OFFSETS AND TRANSITIONS AS REQUIRED TO KEEP DUCTWORK TIGHT TO THE STRUCTURE AND MAINTAIN CEILING ELEVATIONS AS INDICATED IN THE ARCHITECTURAL DRAWINGS. DUCTWORK MAY BE FLATTENED TO A 4:1 HEIGHT RATIO MAINTAINING THE DUCT FREE AREA SIZE AS INDICATED IN THE DRAWINGS. DUCTWORK SHAPE MAY HAVE TO BE ADJUSTED (I.E. ROUND TO RECTANGULAR) AS SPACE DICTATES. MULTIPLE SMALLER RUNS MAY BE REQUIRED IN PLACE OF A SINGLE RUN. DUCT RECONFIGURATION SHALL BE INDICATED IN THE DUCT FABRICATION DRAWINGS AND FIELD VERIFIED PRIOR TO SUBMITTAL FOR ENGINEER'S REVIEW.

(SEE AM-002 FOR CONTINUATION)

HVAC LEGEND

UP / DOWN	SUPPLY AIR DUCT (UP & DOWN)
UP / DOWN	RETURN AIR DUCT (UP & DOWN)
UP / DOWN	EXHAUST AIR DUCT (UP & DOWN)
VD	VOLUME DAMPER
	FIRE DAMPER – REFER TO DETAIL
	SIDEWALL GRILLE
T	WALL MTD THERMOSTAT OR TEMPERATURE SENSOR
CO_2	CO2 SENSOR
	DOUBLE WALL STEEL DUCTWORK
	EXPOSED DUCTWORK (PAINTED)
VD	BELLMOUTH "SPIN-IN" FITTING WITH LOCKING QUADRANT DAMPER
	FLEX DUCT
CD1 / 375 / 12x12/8"∅	AIR DEVICE MARK. TOP LINE INDICATES TYPE, REFER TO SCHEDULE. SECOND LINE INDICATES AIR QUANTITY CFM. THIRD LINE INDICATES NECK SIZE AND DUCT CONNECTION SIZE.
UC	UNDERCUT DOOR BY 3/4" AFF UNLESS OTHERWISE INDICATED COORDINATE WITH ARCHITECTURAL DRAWINGS.
SD	DUCT MOUNTED SMOKE DETECTOR
M	MOTORIZED DAMPER (24 VOLT UNLESS NOTED OTHERWISE)
M	OPPOSED BLADE MOTORIZED DAMPER (24 VOLT UNLESS NOTED OTHERWISE)
B	BACKDRAFT DAMPER EQUIVALENT TO RUSKIN BD2A1. DAMPER SHALL START TO OPEN AT 0.03" W.G. PRESSURE
BOG	BOTTOM OF SIDEWALL GRILLE ELEVATION
TOG	TOP OF SIDEWALL GRILLE ELEVATION
IJS	DUCT IS LOCATED BETWEEN JOIST OR THROUGH JOIST WEB.
	ELEVATION

DESIGN CRITERIA

Location (Weather Data):	PENSACOLA, FL
Latitude:	30.4°
Longitude:	87.3°
Elevation:	30 ft.
Barometric Pressure:	29.9 in. Hg
County:	ESCAMBIA
Climate Zone:	2A
DESIGN TEMPERATURES:	
Ambient Summer Design Dry Bulb:	93°F
Ambient Summer Design Wet Bulb:	78°F
Ambient Winter Design Dry Bulb:	28°F
Space Setpoint – cooling	75°F
Space Setpoint – heating	68°F
Space Setpoint – humidity	55% RH (±5%)

NOTE: 75°F SPACE SETPOINT FOR COOLING IS THE MINIMUM ALLOWED AND 72°F IS THE MAXIMUM FOR HEATING PER FBC ENERGY CONSERVATION SECTION C302.1.

MECHANICAL DRAWING INDEX

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No.	Date	Issue / Revision

STEPHEN R. FORKNER, PE
PE 80532

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607
ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

HVAC DESIGN CRITERIA, LEGEND, AND GENERAL NOTES

DWG NO. AM-001

SHEET NO.

6/18/2025 4:21:46 PM

GENERAL MECHANICAL NOTES (CONTINUED FROM AM-001)

18. DUCTWORK, DIFFUSERS, REGISTERS, GRILLES, AND OTHER ITEMS OF THE AIR HANDLING SYSTEM SHALL NOT BE SUPPORTED BY THE CEILING OR CEILING SUSPENSION SYSTEM.

19. ALL SUPPLY DUCTWORK BETWEEN THE DISCHARGE OF THE PRIMARY AIR HANDLER AND THE INLETS TO THE VAV BOXES SHALL BE 3" W.G. PRESSURE CLASS. ALL OTHER DUCTWORK SHALL BE 1" W.G. ALL SHEET METAL DUCTWORK SHALL HAVE A CLASS C SEAL.

20. PROVIDE SUPPLEMENTARY STEEL AS REQUIRED TO INSTALL MECHANICAL EQUIPMENT AND MATERIALS.

21. PROVIDE ADDITIONAL VOLUME DAMPERS AS REQUIRED BY THE TEST AND BALANCE CONTRACTOR TO ACHIEVE AIRFLOWS INDICATED ON THE DRAWINGS. MAINTAIN NEGATIVE PRESSURE IN ALL DESIGNATED CONSTRUCTION AREAS.

22. IN ADDITION TO THE REQUIREMENTS OF THE SPECIFICATIONS, THE AIR HANDLERS MAY ONLY BE STARTED IF THE FOLLOWING CONDITIONS ARE MET:

    A. ALL OPENINGS FROM THE CONDITIONED SPACE DIRECTLY TO THE OUTSIDE MUST BE CLOSED. TEMPORARY CLOSURE METHODS MAY BE USED SUCH AS THE UTILIZATION OF PLASTIC SHEETS AND DUCT TAPE.

    B. MOP CLEAN ALL CONSTRUCTION DEBRIS AND DUST FROM THE FLOOR. PROVIDE DOOR MATS AT ALL ENTRANCES INTO THE BUILDING.

    C. TEMPORARY BARRIERS ARE TO BE PROVIDED AROUND AREAS THAT WILL HAVE ANY CONCRETE GRINDING OPERATION, DRYWALL WORK, PAINTING OR ANY OTHER PARTICULATE PRODUCING PROCESSES. ALL AIR DISTRIBUTION DEVICES IN THESE AREAS OF CONTAINMENT ARE TO BE COVERED AND SEALED AIR TIGHT.

    D. ALL RETURN GRILLES SHALL HAVE MERV-8 FILTER MEDIA TAPED OVER THEM PRIOR TO AIR HANDLER STARTUP AND SHALL REMAIN IN PLACE UNTIL ALL DUST PRODUCING OPERATIONS HAVE BEEN COMPLETED AND PRIOR TO TEST AND BALANCE. CLEAN ALL TAPE RESIDUE FROM THE GRILLES.

    E. ONCE THE UNIT IS STARTED, FILTERS IN THE AIR HANDLERS ARE TO BE SHAKEN CLEAN DAILY.

23. ALL REQUIRED FIRE DAMPERS MAY NOT BE INDICATED HEREIN. PROVIDE FIRE DAMPERS AS REQUIRED AT RATED WALLS AND FLOORS PER FLORIDA BUILDING – MECHANICAL CODE. REFER TO ARCHITECTURAL DRAWINGS FOR RATED PARTITION LOCATIONS.

24. OMIT INSULATION ON TRANSFER DUCT SYSTEM. TRANSFER DUCT SYSTEMS ARE CONNECTED TO "XG#" TYPE AIR DISTRIBUTION DEVICES.

25. RUST COAT ALL CHILLED WATER PIPING AND FITTINGS PER SPECIFICATION (SPECIFICALLY SMALL FITTINGS) INSTALL AIR BLEED IN APPROPRIATE LOCATIONS.

26. SUBMIT DUCT FABRICATION DRAWINGS AND MECHANICAL ROOM LAYOUTS PER SPECIFICATIONS PRIOR TO ANY FRAMING WORK. ALL CHASE SIZES, FLOOR DRAINS IN MECHANICAL ROOMS/CLOSETS, AND ELECTRICAL PANEL LOCATIONS SHALL BE FIELD VERIFIED, COORDINATED, AND INDICATED IN THE SUBMITTAL.

27. ALL DUCT MOUNTED MANUAL BALANCING DAMPERS SHALL HAVE A TWO FOOT LONG, YELLOW STRIP OF MATERIAL ATTACHED TO THE DAMPER HANDLE FOR EASY VISUAL IDENTIFICATION.

28. ALL FIRE STOPPING SHALL BE INSTALLED IN CONFORMANCE WITH THE MANUFACTURER'S U.L. DETAILS OF THE PRODUCTS USED SPECIFICALLY ON THIS PROJECT. APPLICABLE U.L. DETAILS SHALL BE SUBMITTED FOR THE ENGINEER'S REVIEW AND A COPY SHALL BE AVAILABLE ON SITE FOR USE BY THE AUTHORITY HAVING JURISDICTION.

29. CONCRETE SLAB/PAD IS TO HAVE NO CONTACT WITH ANY METAL PORTION OF THE EQUIPMENT OR THAT EQUIPMENT'S SUPPORT. PROVIDE 1/4" THICK RED, OR BLACK, RUBBER PAD UNDER THE ENTIRE METAL SURFACE INTENDED TO REST ON THE CONCRETE PAD.

30. THE TEMPERATURE CONTROLS (INCLUDING GRAPHICS) SHALL BE IN OPERATION AND EXERCISED IN THE PRESENCE OF THE ENGINEER OF RECORD AT TIME OF SUBSTANTIAL COMPLETION. THE CONSTRUCTION MANAGER SHALL SCHEDULE A MEETING BETWEEN THE CONTROL'S CONTRACTOR AND THE ENGINEER ONE WEEK PRIOR. THIS SHALL OCCUR PRIOR TO OWNER TRAINING.

31. PROVIDE DIELECTRIC UNIONS/PROTECTION AT ALL POINTS OF CONNECTION BETWEEN DISSIMILAR METALS; PIPE, PIPE HANGERS, CONNECTIONS TO STRUCTURAL STEEL, ETC.

32. ROUND FLEX DUCT SHALL BE A MAXIMUM LENGTH OF 6 FEET. ALL RUNS OF FLEX DUCT ARE TO BE SUPPORTED WITH THE APPROPRIATE HANGERS. FLEX DUCT SHALL NOT SAG OR BE CRIMPED.

33. AIR CONDITIONING FILTERS ARE TO BE PROVIDED AND CHANGED BY THE CONTRACTOR UP TO AND ON THE DATE OF FINAL COMPLETION ACCEPTANCE. FROM THAT TIME ON, THE OWNER WILL RETAIN ALL RESPONSIBILITY FOR FILTER MAINTENANCE. FILTERS SHALL BE CLEAN AT THE TIME OF SUBSTANTIAL COMPLETION.

34. VAV TERMINAL BOXES SHALL BE MOUNTED WITH THE BOTTOM AT 8" ABOVE THE CEILING. THE CONTROL PANEL AND THE HEATER SERVICE PANEL SHALL BE UNOBSTRUCTED AS REQUIRED BY NEC AND AS RECOMMENDED BY THE TERMINAL MANUFACTURER. VAV BOXES ARE TO BE INSTALLED WITH A 4 FT. LONG STRAIGHT SECTION OF ROUND DUCT AT THE INLET AND SHALL BE THE SAME SIZE AS THE BOX CONNECTION. ALL DUCTWORK BETWEEN THE VAV INLET AND THE AIR HANDLER IS TO BE RIGID (NO FLEX).

35. LOCATE ALL AIR DISTRIBUTION DEVICES AND CEILING MOUNTED EQUIPMENT IN CONFORMANCE WITH THE REFLECTED CEILING PLANS INCLUDED IN THE ARCHITECTURAL DRAWINGS FOR THIS PROJECT. COORDINATE DUCTWORK TO ALLOW FOR LOCATIONS OF THESE ITEMS. PROVIDE REVISED DUCTWORK LAYOUT WHERE REQUIRED. ANY MECHANICAL ITEMS EXPOSED TO VIEW SHALL BE PLACED PER THE ARCHITECTURAL DRAWINGS.

36. ALL EXTERIOR FASTENERS, ANCHORS, SUPPORTS, AND MOUNTING HARDWARE SHALL BE HOT DIPPED GALVANIZED OR STAINLESS STEEL.

37. PROVIDE COMMISSIONING SERVICES THROUGH A REGISTERED DESIGN PROFESSIONAL OR APPROVED AGENCY IN ACCORDANCE WITH THE PROVISIONS OF FLORIDA BUILDING CODE/ ENERGY CONSERVATION SECTION C408 ON BUILDINGS WITH TOTAL MECHANICAL EQUIPMENT CAPACITY GREATER THAN 480,000 BTUH (40 TONS). THE SECTION STATES THAT PRIOR TO PASSING THE FINAL MECHANICAL INSPECTION, EVIDENCE OF THE MECHANICAL SYSTEM'S COMMISSIONING AND COMPLETION SHALL BE PROVIDED. COPIES OF COMMISSIONING DOCUMENT SHALL BE GIVEN TO THE OWNER AND MADE AVAILABLE TO THE CODE OFFICIAL UPON REQUEST.

38. PRIOR TO SUBSTANTIAL COMPLETION, A COMPLETE CERTIFIED TEST AND BALANCE REPORT SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW. REFER TO THE SPECIFICATIONS FOR REQUIREMENTS.

39. DUCTS SHOWN PENETRATING SMOKE PARTITIONS SHALL BE SEALED AIR TIGHT BETWEEN THE DUCT OR ITS INSULATION AND THE WALL IT PENETRATES.

40. ALL THERMOSTAT/WALL SENSORS SHALL BE LABELED WITH THE UNIT MARK OF THE ITEM BEING CONTROLLED.

41. ALL EQUIPMENT, PIPING, DUCTWORK, ETC. SHALL HAVE VIBRATION ISOLATION. ALL MECHANICAL SYSTEM COMPONENTS SHALL BE INSTALLED IN A VIBRATION FREE MANNER. ALL DUCT AND PIPES WILL HAVE FLEX CONNECTORS INSTALLED.

42. PIPE INSULATION AND VAPOR BARRIERS SHALL BE INSTALLED CONTINUOUS THROUGH HANGERS.

43. ALL DUCT AND PIPE PENETRATIONS THROUGH ANY WALL, REGARDLESS OF FIRE RATING, SHALL BE SEALED AIRTIGHT.

44. ALL EXPOSED CONTROL WIRING IN MECHANICAL AND ELECTRICAL ROOMS SHALL BE INSTALLED IN CONDUIT. ALL CONTROL WIRING SHALL BE PLENUM RATED CABLE. CONDUITS SHALL CONFORM TO ALL REQUIREMENTS FOR DIVISION 26 CONDUITS. REFER TO DIVISION 26 SPECIFICATIONS AND DRAWINGS.

45. SEE TSP FOR ADDITIONAL REQUIREMENTS.

DUCTWORK MATERIALS

1. ALL EXPOSED DUCTWORK SHALL HAVE A "PAINT GRIP" GALVANIZED STEEL FINISH AND SHALL BE FIELD PAINTED. PAINTED AS DIRECTED BY THE ARCHITECT. COORDINATE COLOR WITH ARCHITECT.

2. UNLESS NOTED OTHERWISE, ALL EXPOSED SUPPLY AND RETURN AIR DUCTWORK SHALL BE DOUBLE WALL CONSTRUCTION WITH 1-1/2" (1.5 PCF DENSITY) INSULATION AND SOLID LINER. EXPOSED DUCTWORK SHALL BE SEALED WITHIN THE LAP (MASTIC SHALL NOT BE VISIBLE).

3. FLEX DUCT SHALL BE EQUIVALENT TO FLEXMASTER 1M WITH A POLYETHYLENE FABRIC (PE) CORE AND SHALL HAVE PRESSURE RATINGS OF 10" W.G. POSITIVE, 5" W.G. NEGATIVE THROUGH 16" DIA., AND 1" W.G. NEGATIVE FOR 18" AND 20" DUCTS.

4. ALL TRANSFER DUCT SHALL BE UNINSULATED SHEET METAL DUCTWORK.

5. FLEXIBLE DUCT RUNOUTS SHALL NOT EXCEED 6 FEET.

6. THE USE OF SNAP LOCK DUCT IS NOT PERMITTED.

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No.	Date	Issue / Revision

STEPHEN R. FORKNER, PE
PE 80532

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607
ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

HVAC GENERAL NOTES (CONTINUED)

DWG NO. AM-002

SHEET NO.

6/18/2025 4:21:48 PM

HVAC LOAD CALCULATIONS

Air System Sizing Summary for AH1

Project Name: 9345 RTMC Escambia — 02/19/2025 09:20AM
Prepared by: WGI, Inc.

Air System Information

Air System Name	**AH1**	Number of zones	**30**
Equipment Class	**CW AHU**	Floor Area	**16765.0** ft²
Air System Type	**VAV**	Location	**Pensacola, Florida**

Sizing Calculation Information

Calculation Months	**Jan to Dec**	Zone CFM Sizing	**Peak zone sensible load**
Sizing Data	**Calculated**	Space CFM Sizing	**Individual peak space loads**

Central Cooling Coil Sizing Data

Total coil load	**54.5**	Tons	Load occurs at	**Jul 1600**	
Total coil load	**654.5**	MBH	OA DB / WB	**92.5 / 77.9**	°F
Sensible coil load	**557.3**	MBH	Entering DB / WB	**75.5 / 61.5**	°F
Coil CFM at Jul 1600	**21823**	CFM	Leaving DB / WB	**51.9 / 50.6**	°F
Max block CFM at Jul 1700	**23653**	CFM	Coil ADP	**49.2**	°F
Sum of peak zone CFM	**23692**	CFM	Bypass Factor	**0.100**	
Sensible heat ratio	**0.852**		Resulting RH	**43**	%
CFM/Ton	**400.1**		Design supply temp.	**55.0**	°F
ft²/Ton	**307.4**		Zone T-stat Check	**30 of 30**	OK
BTU/(hr·ft²)	**39.0**		Max zone temperature deviation	**0.0**	°F
Water flow @ 14.0 °F rise	**93.55**	gpm			

Central Heating Coil Sizing Data

No central heating coil loads occurred during this calculation.

Supply Fan Sizing Data

Actual max CFM at Jul 1700	**23653**	CFM	Fan motor BHP	**33.31**	BHP
Standard CFM	**23627**	CFM	Fan motor kW	**26.43**	kW
Actual max CFM/ft²	**1.41**	CFM/ft²	Fan static	**4.00**	in wg

Outdoor Ventilation Air Data

Design airflow CFM	**2974**	CFM	CFM/person	**21.09**	CFM/person
CFM/ft²	**0.18**	CFM/ft²			

Air System Design Load Summary for AH1

Project Name: 9345 RTMC Escambia — 02/19/2025 09:20AM
Prepared by: WGI, Inc.

	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1600			HEATING DATA AT DES HTG		
	COOLING OA DB / WB 92.5 °F / 77.9 °F			HEATING OA DB / WB 28.0 °F / 23.6 °F		
ZONE LOADS	**Details**	**Sensible (BTU/hr)**	**Latent (BTU/hr)**	**Details**	**Sensible (BTU/hr)**	**Latent (BTU/hr)**
Window & Skylight Solar Loads	1819 ft²	3685	-	1819 ft²	-	-
Wall Transmission	6106 ft²	16182	-	6106 ft²	30665	-
Roof Transmission	16767 ft²	13117	-	16767 ft²	22970	-
Window Transmission	1819 ft²	15577	-	1819 ft²	38199	-
Skylight Transmission	0 ft²	0	-	0 ft²	0	-
Door Loads	0 ft²	0	-	0 ft²	0	-
Floor Transmission	16765 ft²	0	-	16765 ft²	11281	-
Partitions	345 ft²	1055	-	345 ft²	1725	-
Ceiling	0 ft²	0	-	0 ft²	0	-
Overhead Lighting	11736 W	40041	-	0	0	-
Task Lighting	9479 W	32340	-	0	0	-
Electric Equipment	13728 W	46840	-	0	0	-
People	141	34545	28905	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	214050	0	-	0	0
Safety Factor	10% / 5%	41743	1445	10%	10484	0
>> Total Zone Loads	-	**459173**	**30350**	-	**115324**	**0**
Zone Conditioning	-	453877	30350	-	112132	0
Plenum Wall Load	0%	0	-	0	0	-
Plenum Roof Load	0%	0	-	0	0	-
Plenum Lighting Load	0%	0	-	0	0	-
Return Fan Load	21823 CFM	0	-	8564 CFM	0	-
Ventilation Load	2974 CFM	29295	66790	2974 CFM	131602	0
Supply Fan Load	21823 CFM	74129	-	8564 CFM	-12842	-
Space Fan Coil Fans	-	0	-	-	0	-
Duct Heat Gain / Loss	0%	0	-	0%	0	-
>> Total System Loads	-	**557301**	**97140**	-	**230892**	**0**
Central Cooling Coil	-	557301	97168	-	-10761	0
Central Heating Coil	-	0	-	-	0	-
Terminal Reheat Coils	-	0	-	-	241652	-
>> Total Conditioning	-	**557301**	**97168**	-	**230892**	**0**
Key:	**Positive values are clg loads Negative values are htg loads**			**Positive values are htg loads Negative values are clg loads**		

OUTDOOR AIR VENTILATION RATES (based on FBC table 403.3.1.1)

DESCRIPTION OF AREA	FBC TABLE 403.3.1.1 CLASSIFICATION	OCC DENSITY (# / 1000 SF)	PEOPLE OUTDOOR AIRFLOW RATE IN BREATHING ZONE (CFM/PERSON)	x	OCCUPANTS EACH	=	PEOPLE OA AIRFLOW (CFM)	AREA OUTDOOR AIRFLOW RATE IN BREATHING ZONE (CFM / SF)	x	TOTAL SF	=	AREA OA AIRFLOW (CFM)	REQUIRED OUTSIDE AIR (CFM)
AH01													
101 Office	Offices; Office spaces	5	5.0	x	1	=	5	0.06	x	148	=	8.9	14
102 Office	Offices; Office spaces	5	5.0	x	1	=	5	0.06	x	145	=	8.7	14
103 Office	Offices; Office spaces	5	5.0	x	1	=	5	0.06	x	145	=	8.7	14
104 Office	Offices; Office spaces	5	5.0	x	1	=	5	0.06	x	195	=	11.7	17
105 Exec Dir Office	Offices; Office spaces	5	5.0	x	2	=	10	0.06	x	215	=	12.9	23
106 File Sto	Retail stores; Storage	0	-	x	-	=	-	0.12	x	310	=	37.2	37
107 Media Rm	Offices; Conference rooms	50	5.0	x	16	=	80	0.06	x	317	=	19.0	99
108 Auto Conf	Offices; Conference rooms	50	5.0	x	30	=	150	0.06	x	592	=	35.5	186
109 Nexus Conf	Offices; Conference rooms	50	5.0	x	22	=	110	0.06	x	425	=	25.5	136
111 Mail / Supplies	Retail stores; Storage	0	-	x	-	=	-	0.12	x	156	=	18.7	19
113 Supplies / Tech	Retail stores; Storage	0	-	x	-	=	-	0.12	x	43	=	5.2	5
115.1 Immersive Space	Offices; Office spaces	5	5.0	x	2	=	10	0.06	x	237	=	14.2	24
115.2 Immersive Support	Offices; Office spaces	5	5.0	x	1	=	5	0.06	x	102	=	6.1	11
118 Digital Recpt	Offices; Reception areas	30	5.0	x	2	=	10	0.06	x	56	=	3.4	13
119 Vestibule	Public spaces; Corridors	0	-	x	-	=	-	0.06	x	767	=	46.0	46
120 Open Off	Offices; Office spaces	5	5.0	x	10	=	50	0.06	x	1,808	=	108.5	158
120.2,3,4,5 CORR	Public spaces; Corridors	0	-	x	-	=	-	0.06	x	639	=	38.3	38
121 Collab Office	Offices; Office spaces	5	5.0	x	1	=	5	0.06	x	86	=	5.2	10
122 Collab Office	Offices; Office spaces	5	5.0	x	1	=	5	0.06	x	86	=	5.2	10
123 Collab Office	Offices; Office spaces	5	5.0	x	1	=	5	0.06	x	86	=	5.2	10
124 Food Sto	Retail stores; Storage	0	-	x	-	=	-	0.12	x	87	=	10.4	10
125 Coffee bar	Food & beverage service; Kitchens (cooking)	20	7.5	x	6	=	45	0.12	x	288	=	34.6	80
130 Corridor	Public spaces; Corridors	0	-	x	-	=	-	0.06	x	321	=	19.3	19
132(1) TPO Board Rm	Offices; Conference rooms	50	5.0	x	53	=	265	0.06	x	1,059	=	63.5	329
132(2) TPO Board Rm	Offices; Conference rooms	50	5.0	x	53	=	265	0.06	x	1,059	=	63.5	329
134 Furniture Sto	Public spaces; Corridors	0	-	x	-	=	-	0.06	x	263	=	31.6	32
135 Break Rm	Food & beverage service; Kitchens (cooking)	20	7.5	x	8	=	60	0.12	x	394	=	47.3	107
137 Food Sto	Retail stores; Storage	0	-	x	-	=	-	0.12	x	61	=	7.3	7
138 Corridor	Public spaces; Corridors	0	-	x	-	=	-	0.06	x	115	=	6.9	7
139 Media Coverage	Offices; Office spaces	5	5.0	x	2	=	10	0.06	x	202	=	12.1	22
140 Office	Offices; Office spaces	5	5.0	x	1	=	5	0.06	x	153	=	9.2	14
141 Office	Offices; Office spaces	5	5.0	x	1	=	5	0.06	x	147	=	8.8	14
142 Office	Offices; Office spaces	5	5.0	x	1	=	5	0.06	x	147	=	8.8	14
143 Office	Offices; Office spaces	5	5.0	x	1	=	5	0.06	x	150	=	9.0	14
144 Office	Offices; Office spaces	5	5.0	x	1	=	5	0.06	x	149	=	8.9	14
145 Office	Offices; Office spaces	5	5.0	x	1	=	5	0.06	x	154	=	9.2	14
146 Office	Offices; Office spaces	5	5.0	x	1	=	5	0.06	x	146	=	8.8	14
148(1) Control	Offices; Telephone/data entry	60	5.0	x	40	=	200	0.06	x	651	=	39.1	239
148(2) Control	Offices; Telephone/data entry	60	5.0	x	32	=	160	0.06	x	527	=	31.6	192
148(3) Control	Offices; Telephone/data entry	60	5.0	x	34	=	170	0.06	x	554	=	33.2	203
148(4) Control	Offices; Telephone/data entry	60	5.0	x	30	=	150	0.06	x	485	=	29.1	179
148(5) Control	Offices; Telephone/data entry	60	5.0	x	20	=	100	0.06	x	318	=	19.1	119
											Required Outside Air:		2,855
											Outside Air Provided:		2,980

BUILDING AIR BALANCE

OUTSIDE AIR INTO BUILDING		EXHAUST AIR OUT OF BUILDING		
SOURCE	CFM	SOURCE	CFM	CFM NET
AH1 (AT MAXIMUM DEMAND LOAD VENTILATION)	2,980	EF11 & EF12	625	
-	-	EXFILTRATION **	395	
-	-	ERU RELIEF	1,740	
	2,980		2,760	220
ZONE PRESSURIZATION ((2,980 OA - 2,760 EXH) / 21,835 SA) x 100 = 1.01%				
AH1 (AT MINIMUM DEMAND LOAD VENTILATION)	1,300	EF11 & EF12	625	
-	-	EXFILTRATION **	395	
-	-	ERU RELIEF	60	
	1,300		1,080	220
ZONE PRESSURIZATION ((1,300 OA - 1,080 EXH) / 21,825 SA) x 100 = 1.01%				

** EXFILTRATION ASSUMED TO BE A MAXIMUM OF 0.05 CFM / SF FOR EXTERIOR WALL ENVELOPE.

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Autodesk Docs://9345.00 ECRC/9345.00 Escambia ECRC WGIMEPFP R24.rvt

No.	Date	Issue / Revision

STEPHEN R. FORKNER, PE
PE 80532

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607
ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

HVAC BUILDING AIR BALANCE AND VENILATION TABULATION

DWG NO. AM-003

SHEET NO.

6/18/2025 4:21:59 PM

1 HVAC SITE PLAN

0' 10' 20' 40'

No.	Date	Issue / Revision

STEPHEN R. FORKNER, PE
PE 80532

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607
ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

HVAC SITE PLAN

DWG NO.
AM-100
SHEET NO.

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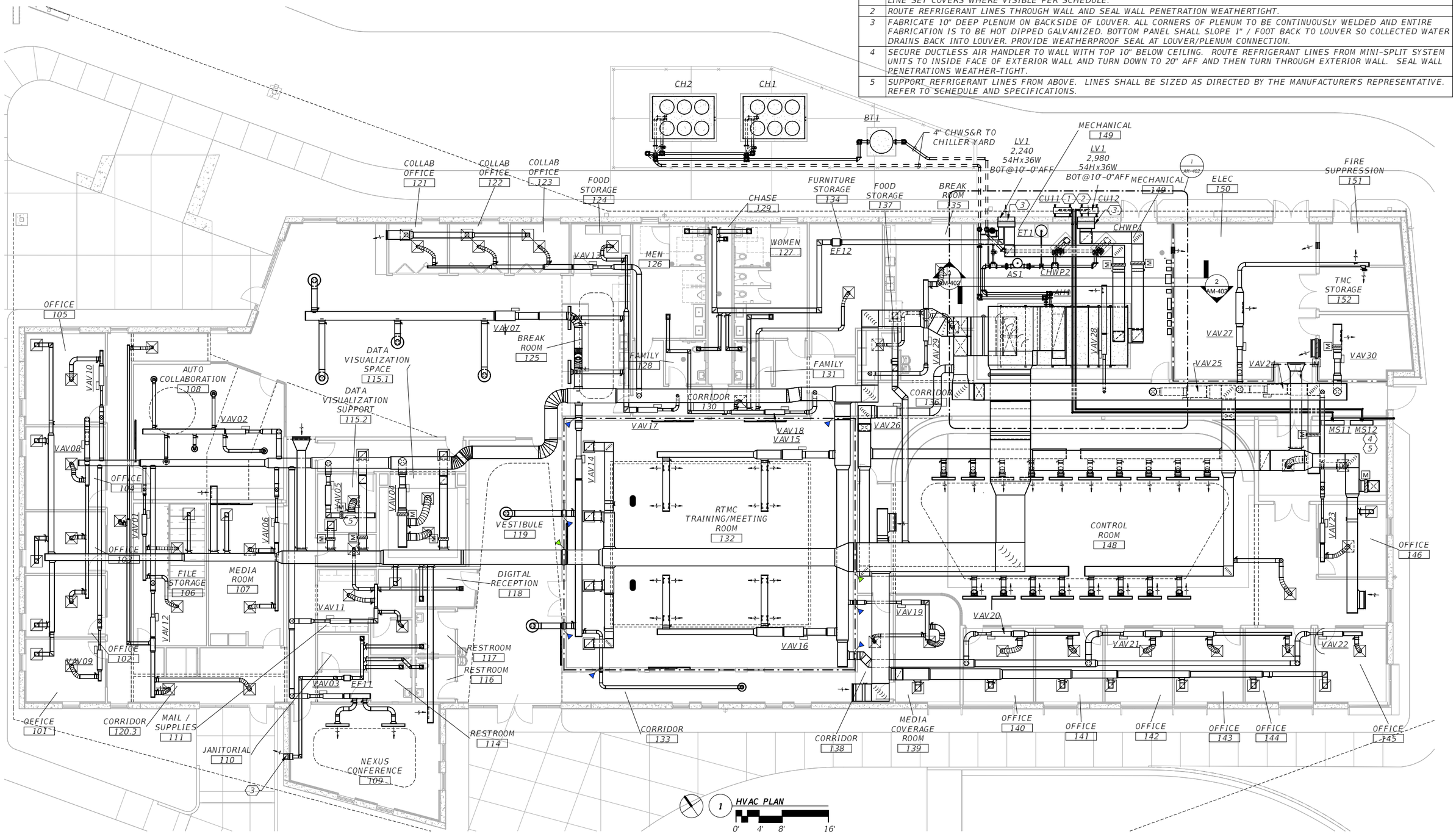
6/18/2025 4:22:07 PM

KEYNOTES

#	
1	SECURE MINISPLIT OUTDOOR UNIT TO STAINLESS STEEL FLORIDA PRODUCT APPROVAL NOA HIGH VELOCITY WIND RATED WALL BRACKET. BRACKET TO BE ANCHORED TO WALL WITH HOT DIPPED GALVANIZED OR STAINLESS STEEL ANCHORS. PROVIDE VINYL LINE SET COVERS WHERE VISIBLE PER SCHEDULE.
2	ROUTE REFRIGERANT LINES THROUGH WALL AND SEAL WALL PENETRATION WEATHERTIGHT.
3	FABRICATE 10" DEEP PLENUM ON BACKSIDE OF LOUVER. ALL CORNERS OF PLENUM TO BE CONTINUOUSLY WELDED AND ENTIRE FABRICATION IS TO BE HOT DIPPED GALVANIZED. BOTTOM PANEL SHALL SLOPE 1" / FOOT BACK TO LOUVER SO COLLECTED WATER DRAINS BACK INTO LOUVER. PROVIDE WEATHERPROOF SEAL AT LOUVER/PLENUM CONNECTION.
4	SECURE DUCTLESS AIR HANDLER TO WALL WITH TOP 10" BELOW CEILING. ROUTE REFRIGERANT LINES FROM MINI-SPLIT SYSTEM UNITS TO INSIDE FACE OF EXTERIOR WALL AND TURN DOWN TO 20" AFF AND THEN TURN THROUGH EXTERIOR WALL. SEAL WALL PENETRATIONS WEATHER-TIGHT.
5	SUPPORT REFRIGERANT LINES FROM ABOVE. LINES SHALL BE SIZED AS DIRECTED BY THE MANUFACTURER'S REPRESENTATIVE. REFER TO SCHEDULE AND SPECIFICATIONS.



No.	Date	Issue / Revision

STEPHEN R. FORKNER, PE
PE 80532

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607
ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

OVERALL HVAC PLAN

DWG NO. AM-101
SHEET NO.

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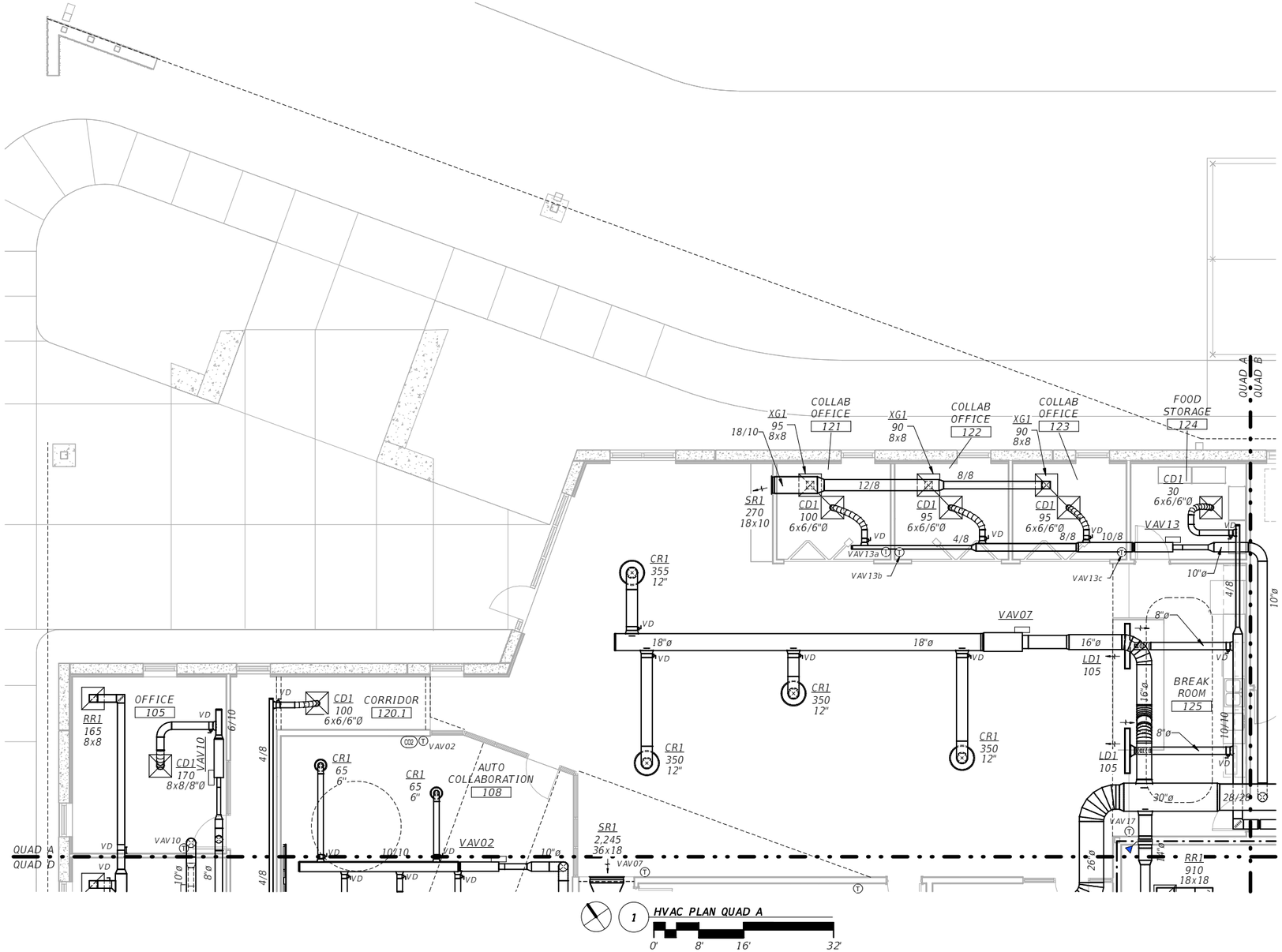
KEYNOTES



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PE 80532

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607
ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

HVAC PLAN QUAD A

DWG NO.
AM-111
SHEET NO.

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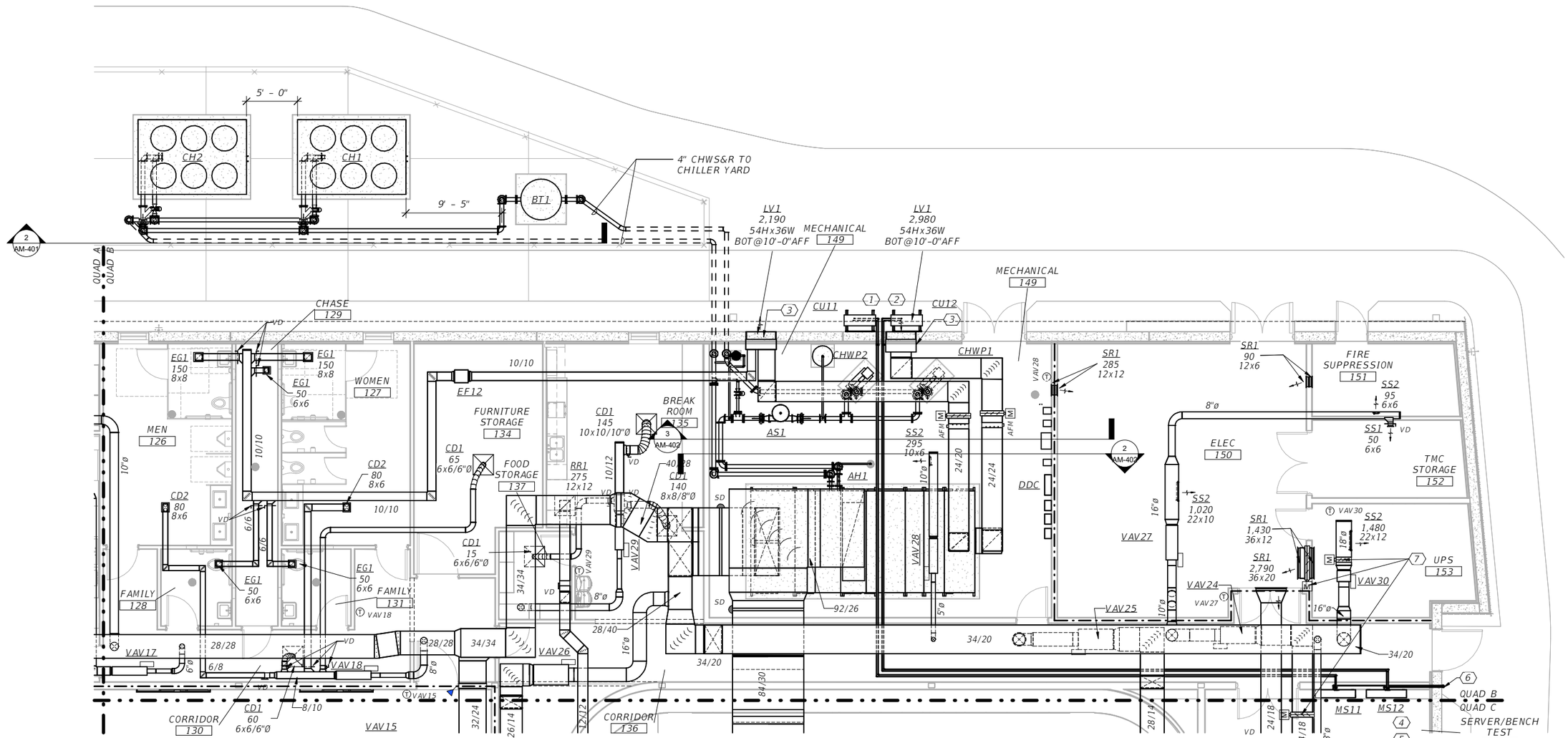
KEYNOTES

#	
1	SECURE MINISPLIT OUTDOOR UNIT TO STAINLESS STEEL FLORIDA PRODUCT APPROVAL NOA HIGH VELOCITY WIND RATED WALL BRACKET. BRACKET TO BE ANCHORED TO WALL WITH HOT DIPPED GALVANIZED OR STAINLESS STEEL ANCHORS. PROVIDE VINYL LINE SET COVERS WHERE VISIBLE PER SCHEDULE.
2	ROUTE REFRIGERANT LINES THROUGH WALL AND SEAL WALL PENETRATION WEATHERTIGHT.
3	FABRICATE 10" DEEP PLENUM ON BACKSIDE OF LOUVER. ALL CORNERS OF PLENUM TO BE CONTINUOUSLY WELDED AND ENTIRE FABRICATION IS TO BE HOT DIPPED GALVANIZED. BOTTOM PANEL SHALL SLOPE 1" / FOOT BACK TO LOUVER SO COLLECTED WATER DRAINS BACK INTO LOUVER. PROVIDE WEATHERPROOF SEAL AT LOUVER/PLENUM CONNECTION.
4	SECURE DUCTLESS AIR HANDLER TO WALL WITH TOP 10" BELOW CEILING. ROUTE REFRIGERANT LINES FROM MINI-SPLIT SYSTEM UNITS TO INSIDE FACE OF EXTERIOR WALL AND TURN DOWN TO 20" AFF AND THEN TURN THROUGH EXTERIOR WALL. SEAL WALL PENETRATIONS WEATHER-TIGHT.
5	SUPPORT REFRIGERANT LINES FROM ABOVE. LINES SHALL BE SIZED AS DIRECTED BY THE MANUFACTURER'S REPRESENTATIVE. REFER TO SCHEDULE AND SPECIFICATIONS.
6	DRIP CONDENSATE ONTO 12" LONG CONCRETE SPLASH BLOCK.
7	MOTORIZED DAMPER INTERLOCKED TO FIRE SUPPRESSION PRE-ACTION SYSTEM.



1 HVAC PLAN QUAD B

0' 8' 16' 32'

No.	Date	Issue / Revision

STEPHEN R. FORKNER, PE
PE 80532

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607
ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

HVAC PLAN QUAD B

DWG NO. AM-112

SHEET NO.

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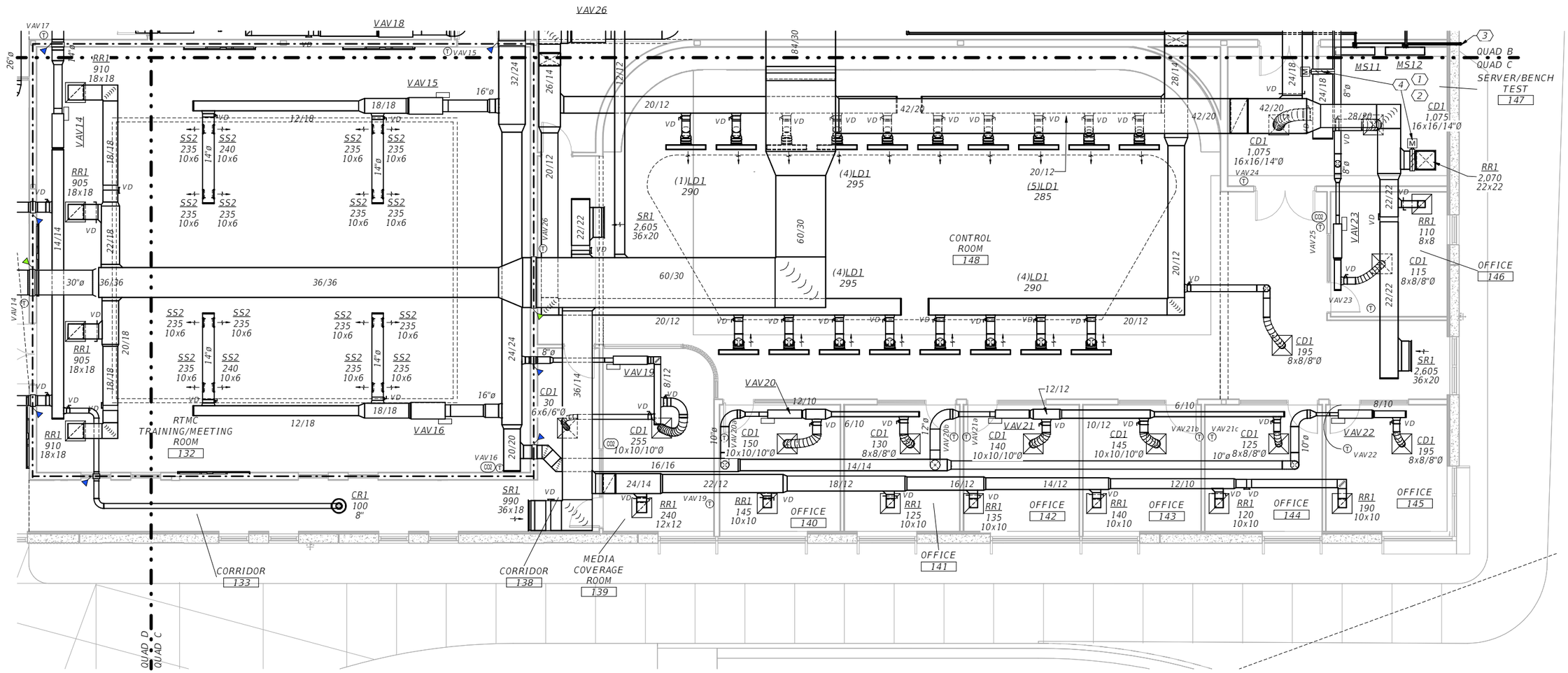
KEYNOTES

#	
1	SECURE DUCTLESS AIR HANDLER TO WALL WITH TOP 10" BELOW CEILING. ROUTE REFRIGERANT LINES FROM MINI-SPLIT SYSTEM UNITS TO INSIDE FACE OF EXTERIOR WALL AND TURN DOWN TO 20" AFF AND THEN TURN THROUGH EXTERIOR WALL. SEAL WALL PENETRATIONS WEATHER-TIGHT.
2	SUPPORT REFRIGERANT LINES FROM ABOVE. LINES SHALL BE SIZED AS DIRECTED BY THE MANUFACTURER'S REPRESENTATIVE. REFER TO SCHEDULE AND SPECIFICATIONS.
3	DRIP CONDENSATE ONTO 12" LONG CONCRETE SPLASH BLOCK.
4	MOTORIZED DAMPER INTERLOCKED TO FIRE SUPPRESSION PRE-ACTION SYSTEM.



1 HVAC PLAN QUAD C

0' 8' 16' 32'

No.	Date	Issue / Revision

STEPHEN R. FORKNER, PE
PE 80532

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607
ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

HVAC PLAN QUAD C

DWG NO. AM-113

SHEET NO.

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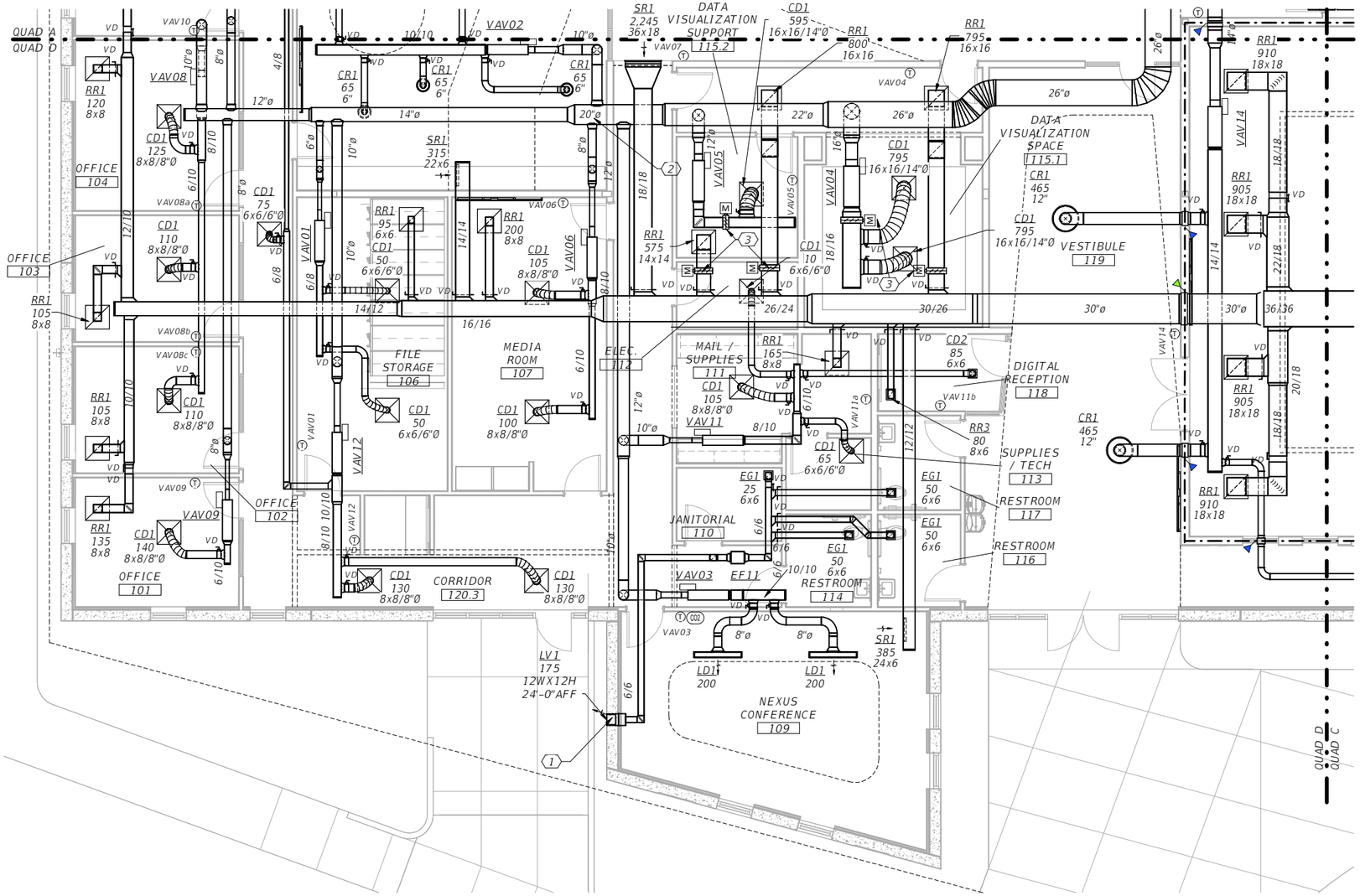
KEYNOTES

(#)	FABRICATE 10" DEEP PLENUM ON BACKSIDE OF LOUVER. ALL CORNERS OF PLENUM TO BE CONTINUOUSLY WELDED AND ENTIRE FABRICATION IS TO BE HOT DIPPED GALVANIZED. BOTTOM PANEL SHALL SLOPE 1" / FOOT BACK TO LOUVER SO COLLECTED WATER DRAINS BACK INTO LOUVER. PROVIDE WEATHERPROOF SEAL AT LOUVER/PLENUM CONNECTION.
2	SECURE DUCTLESS AIR HANDLER TO WALL WITH TOP 10" BELOW CEILING. ROUTE REFRIGERANT LINES FROM MINI-SPLIT SYSTEM UNITS TO INSIDE FACE OF EXTERIOR WALL AND TURN DOWN TO 20" AFF AND THEN TURN THROUGH EXTERIOR WALL. SEAL WALL PENETRATIONS WEATHER-TIGHT.
3	MOTORIZED DAMPER INTERLOCKED TO FIRE SUPPRESSION PRE-ACTION SYSTEM.



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No.	Date	Issue / Revision

STEPHEN R. FORKNER, PE
PE 80532

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607
ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

HVAC PLAN QUAD D

DWG NO.
AM-114
SHEET NO.

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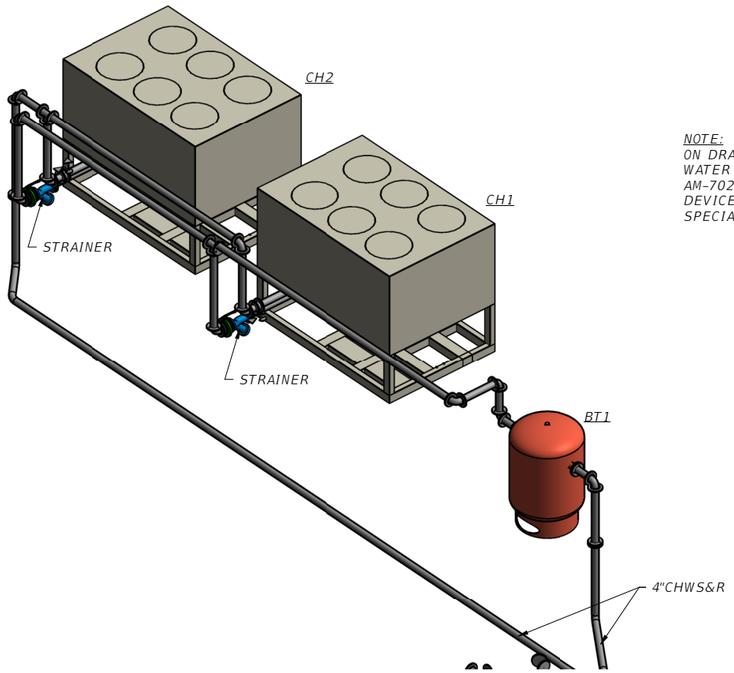
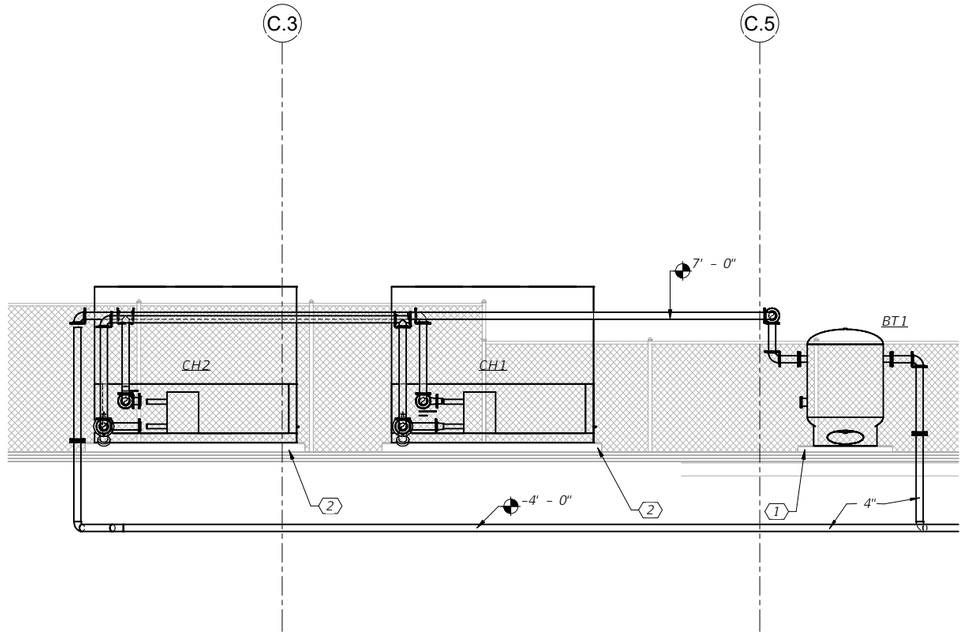
KEYNOTES

1	PROVIDE 4" HIGH HOUSEKEEPING PAD, 6" LARGER THAN EQUIPMENT EACH WAY. PAD SHALL HAVE 3/4" CHAMFERED EDGES.
2	PLACE CHILLER ON 6" THICK CONCRETE HOUSEKEEPING PAD 6" LARGER THAN UNIT EACH WAY (TYPICAL). CONCRETE PAD SHALL HAVE 3/4" CHAMFERED EDGES. PROVIDE NEOPRENE PADS BETWEEN CONCRETE AND CHILLER BASE.

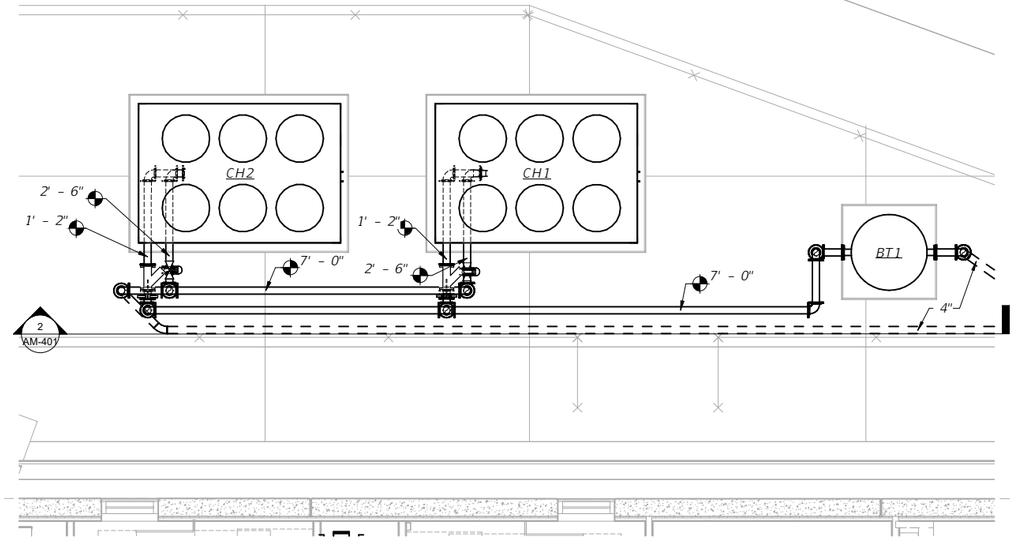


3 CHILLER YARD ORTHOGRAPHIC
0' 2' 4' 8'

NOTE: REFER TO CHILLER PIPING DETAIL ON DRAWING AM-503 AND THE CHILLED WATER PIPING SCHEMATIC ON DRAWING AM-702 FOR PLACEMENT OF CONTROLS DEVICES AND OTHER HYDRONIC SPECIALITY COMPONENTS.



2 ELEVATION AT CHILLER YARD
0' 2' 4' 8'



1 HVAC CHILLER YARD PLAN
0' 2' 4' 8'

4

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No.	Date	Issue / Revision

STEPHEN R. FORKNER, PE
PE 80532

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607
ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

ENLARGED HVAC PLANS

DWG NO.
AM-401
SHEET NO.

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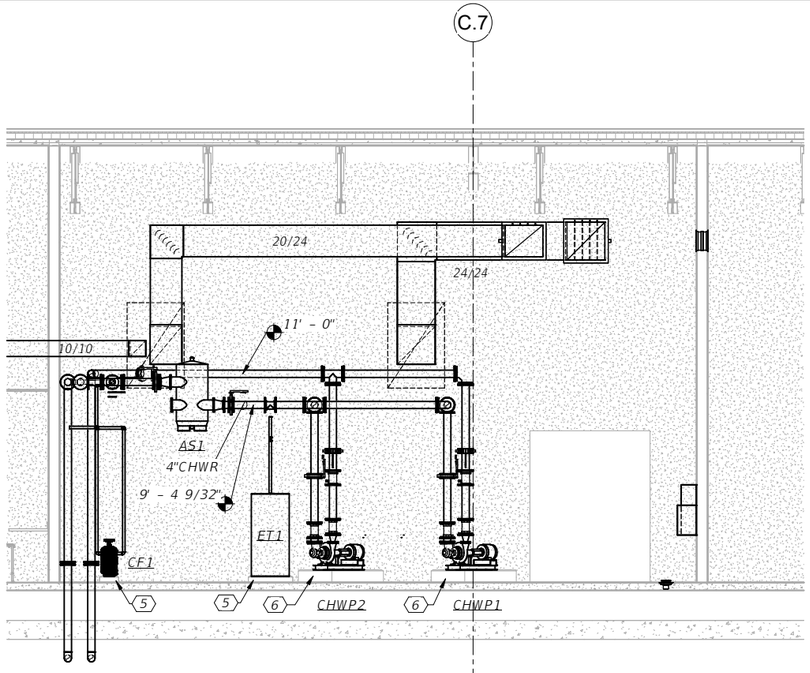
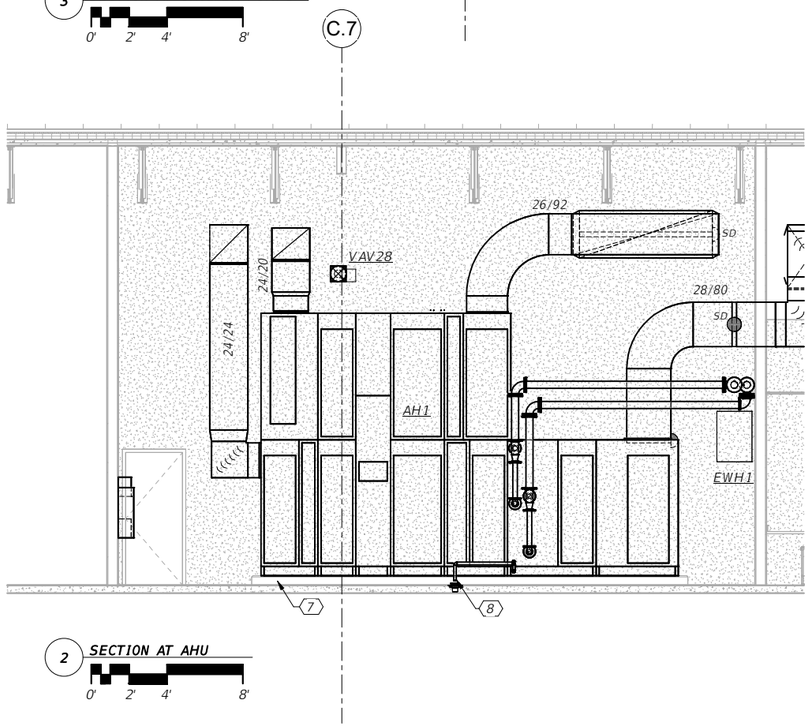


3 SECTION AT CHILLER PUMPS

0' 2' 4' 8'

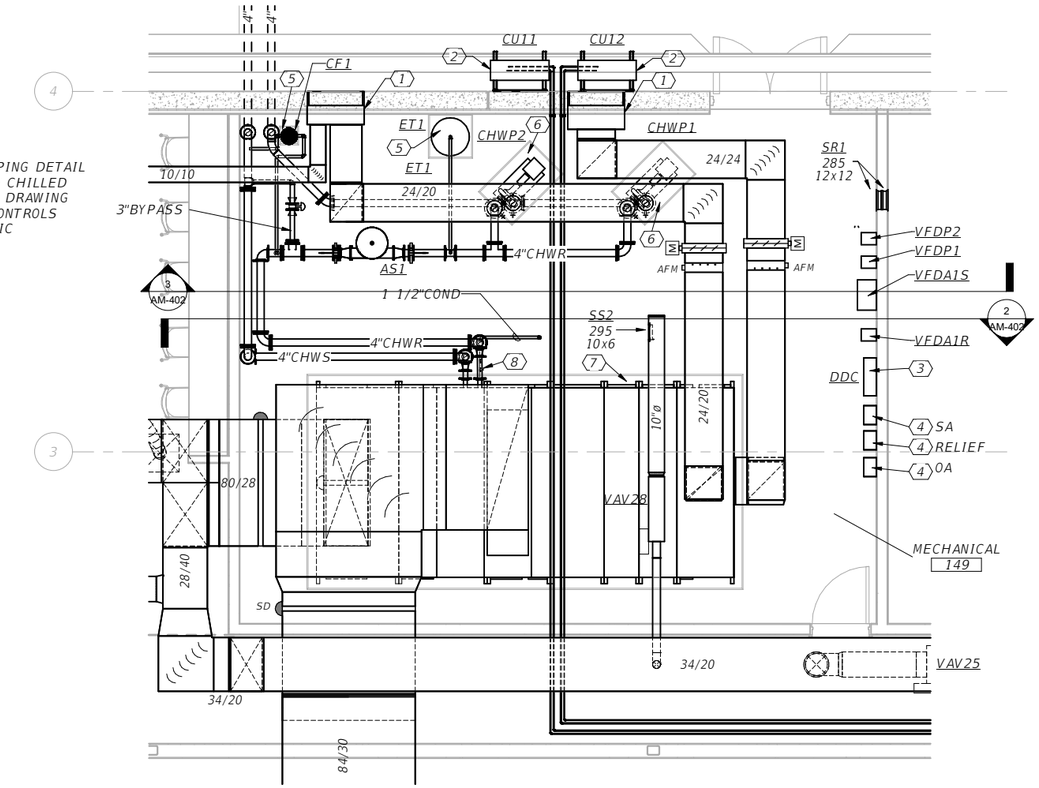


2 SECTION AT AHU

0' 2' 4' 8'

NOTE: REFER TO CHILLER PIPING DETAIL ON DRAWING AM-503 AND THE CHILLED WATER PIPING SCHEMATIC ON DRAWING AM-702 FOR PLACEMENT OF CONTROLS DEVICES AND OTHER HYDRONIC SPECIALITY COMPONENTS.

#	KEYNOTES
1	FABRICATE 10" DEEP PLENUM ON BACKSIDE OF LOUVER. ALL CORNERS OF PLENUM TO BE CONTINUOUSLY WELDED AND ENTIRE FABRICATION IS TO BE HOT DIPPED GALVANIZED. BOTTOM PANEL SHALL SLOPE 1" / FOOT BACK TO LOUVER SO COLLECTED WATER DRAINS BACK INTO LOUVER. PROVIDE WEATHERPROOF SEAL AT LOUVER/PLENUM CONNECTION.
2	SECURE MINISPLIT OUTDOOR UNIT TO STAINLESS STEEL FLORIDA PRODUCT APPROVAL NOA HIGH VELOCITY WIND RATED WALL BRACKET. BRACKET TO BE ANCHORED TO WALL WITH HOT DIPPED GALVANIZED OR STAINLESS STEEL ANCHORS. PROVIDE VINYL LINE SET COVERS WHERE VISIBLE PER SCHEDULE.
3	LOCAL DDC CONTROL PANEL WITH CONTROLS TRANSFORMER. CONTROLS CONTRACTOR TO EXTEND 120V FROM THE NEARBY DEDICATED CIRCUIT AT J-BOX TO PANEL. REFER TO ELECTRICAL DRAWINGS.
4	LOCATE AIRFLOW MONITOR CONTROLLER ON WALL AT 60"AFF. COORDINATE CABLE LENGTH BETWEEN CONTROLLER AND AIR FLOW MEASURING SENSOR WITH AFM VENDOR.
5	PROVIDE 4" HIGH HOUSEKEEPING PAD, 6" LARGER THAN EQUIPMENT EACH WAY. PAD SHALL HAVE 3/4" CHAMFERED EDGES.
6	PUMP ON CONCRETE PAD (8" MIN.). REFER TO DETAIL ON DRAWING AM-502. PAD SHALL HAVE 3/4" CHAMFERED EDGES.
7	THE AIR HANDLER SHALL BE PLACED ON A 6" THICK, REINFORCED CONCRETE PAD (6" LARGER EACH WAY THAN THE UNIT) AND AUXILIARY DRAIN PAN WITH FLOAT SWITCH. PROVIDE CONDENSATE TRAP AS DETAILED AND ROUTE INSULATED COPPER CONDENSATE DRAIN LINE TO CONDENSATE HUB DRAIN. SUPPORT DRAIN LINE FROM FLOOR. COORDINATE EQUIPMENT SUPPORT RAIL HEIGHT OF AIR HANDLER TO ALLOW FOR PROPER TRAP DEPTH. PROVIDE CLEANING/OPERATION VALVES ON CONDENSATE LINE (REFER TO THE CONDENSATE CLEANING AND OPERATION VALVE DETAIL).
8	ROUTE INSULATED COPPER CONDENSATE DRAIN LINE TO CONDENSATE DRAIN. SUPPORT DRAIN LINE FROM FLOOR. COORDINATE EQUIPMENT SUPPORT RAIL HEIGHT OF AIR HANDLER TO ALLOW FOR PROPER TRAP DEPTH. COORDINATE DRAIN LOCATION WITH PLUMBING CONTRACTOR AND SHOW IN THE MECHANICAL ROOM DUCT FABRICATION SHOP DRAWING SUBMITTAL.



1 MECHANICAL ROOM 148

0' 2' 4' 8'

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No.	Date	Issue / Revision

STEPHEN R. FORKNER, PE
PE 80532

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607
ENGINEERING BUSINESS LICENSE NO.: 33574

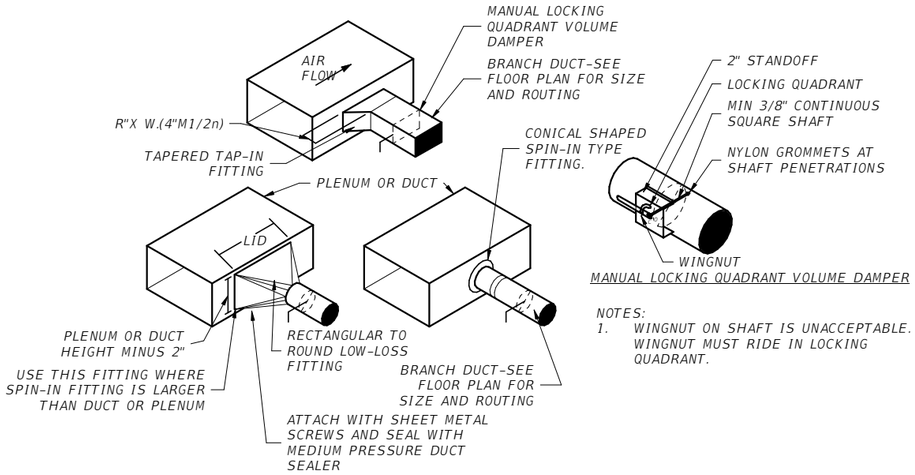
FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

ENLARGED HVAC PLANS

DWG NO.
AM-402
SHEET NO.

6/18/2025 4:22:27 PM

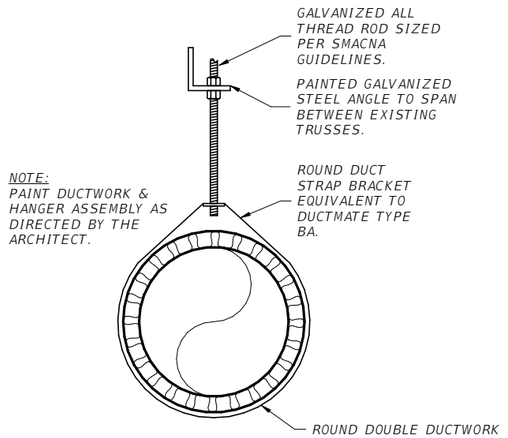


NOTES:
1. WINGNUT ON SHAFT IS UNACCEPTABLE. WINGNUT MUST RIDE IN LOCKING QUADRANT.

BRANCH DUCT TAKE-OFF DETAIL

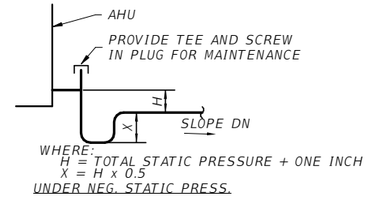
NOT TO SCALE

NOTES:
1. PROVIDE FITTING WITH 1" WIDE FLANGE WITH GASKET.
2. MUST MEET SMACNA GUAGE STANDARDS AND 2" W.G. STATIC PRESSURE.
3. CONTINUOUS WELD LONGITUDINAL SEAM FOR NO LEAKAGE AT 2" W.G. STATIC PRESSURE.



DOUBLE WALL DUCTWORK HANGER

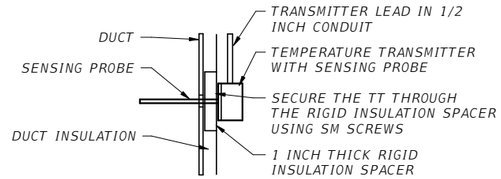
NOT TO SCALE



WHERE:
H = TOTAL STATIC PRESSURE + ONE INCH
X = H x 0.5
UNDER NEG. STATIC PRESS.

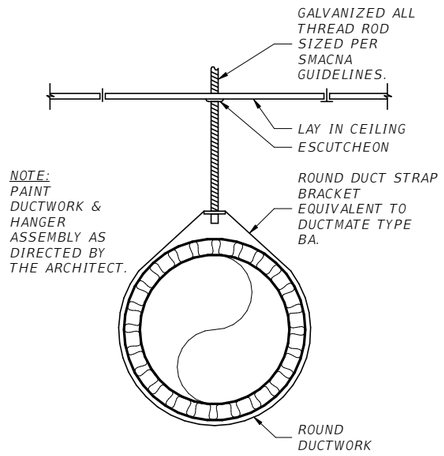
CONDENSATE DRAIN TRAP

NOT TO SCALE



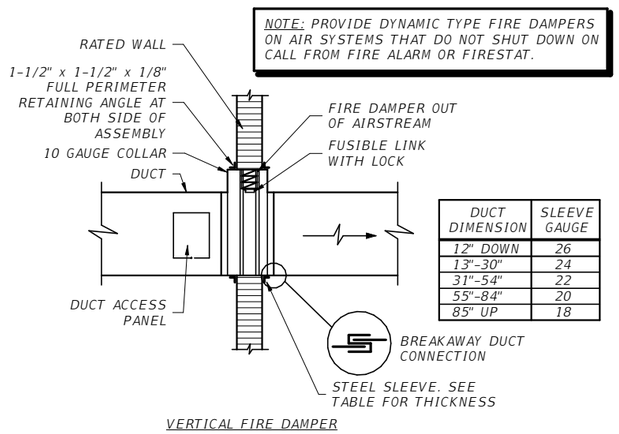
DUCT MOUNTED TEMPERATURE TRANSMITTER

NOT TO SCALE



EXPOSED DUCTWORK HANGER

NOT TO SCALE

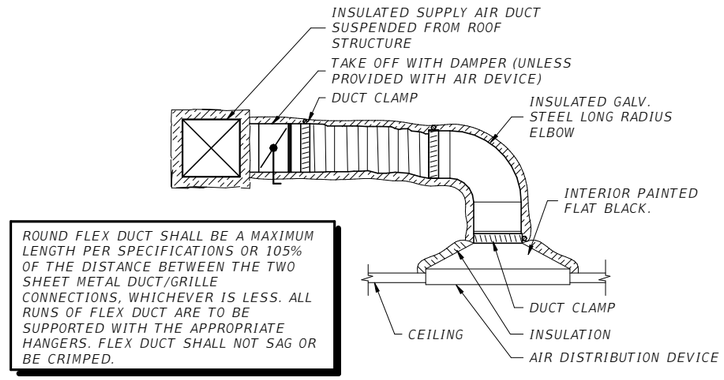


DUCT DIMENSION	SLEEVE GAUGE
12" DOWN	26
13"-30"	24
31"-54"	22
55"-84"	20
85" UP	18

VERTICAL FIRE DAMPER

FIRE DAMPER DETAILS

NOT TO SCALE



ROUND FLEX DUCT SHALL BE A MAXIMUM LENGTH PER SPECIFICATIONS OR 105% OF THE DISTANCE BETWEEN THE TWO SHEET METAL DUCT/GRILLE CONNECTIONS, WHICHEVER IS LESS. ALL RUNS OF FLEX DUCT ARE TO BE SUPPORTED WITH THE APPROPRIATE HANGERS. FLEX DUCT SHALL NOT SAG OR BE CRIMPED.

NOTES:
1. REFER TO THE AIR DISTRIBUTION DEVICE SCHEDULE FOR ADDITIONAL REQUIREMENTS.
2. REFER TO SPECIFICATIONS FOR MAXIMUM FLEXIBLE DUCT LENGTH.
3. SUSPEND AIR DEVICE FROM ABOVE, DO NOT SUPPORT FROM CEILING.
4. INTERIOR OF DEVICE TO BE PAINTED FLAT BLACK.

FLEXIBLE DUCT RUN-OUTS TO AIR DEVICE

NOT TO SCALE

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No.	Date	Issue / Revision

STEPHEN R. FORKNER, PE
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FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

HVAC DETAILS

DWG NO. AM-501

SHEET NO.

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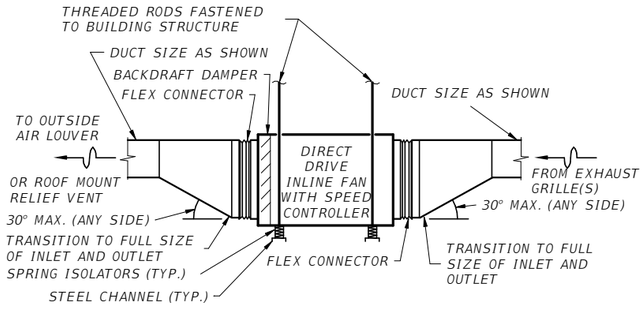
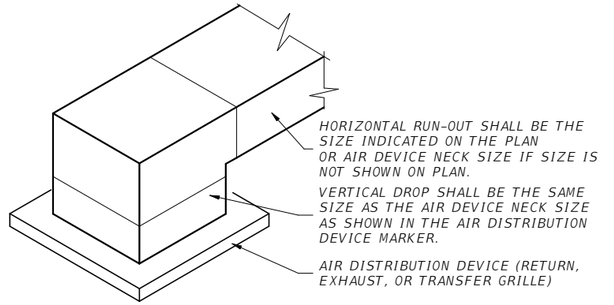


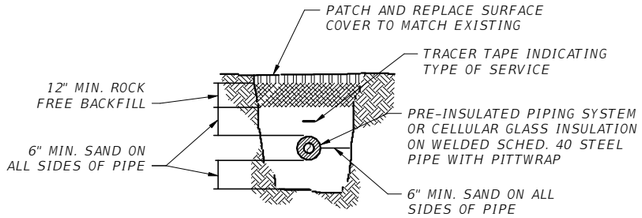
INLINE FAN DETAIL

NOT TO SCALE



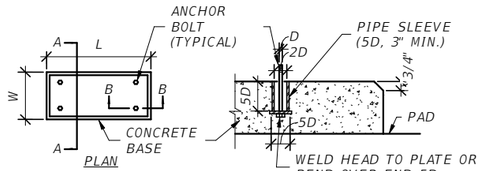
RETURN, EXHAUST AND TRANSFER DUCT CONNECTIONS

NOT TO SCALE

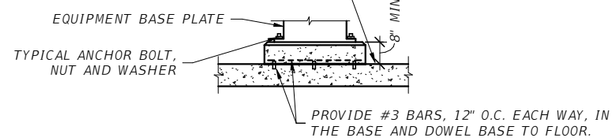


CHILLED WATER PIPING TRENCH DETAIL

NOT TO SCALE



CONCRETE BASE TO WEIGH 2.5 TIMES MORE THAN THE WEIGHT OF THE PUMP ASSEMBLY. TO CALCULATE, APPLY THE MANUFACTURER'S LISTED PUMP WEIGHT WT.), BASE LENGTH(L) AND BASE WIDTH(W): THICKNESS = (((PUMP WT. x 2.5) / 150) x 1,728) / (L"+12) x (W"+ 12).

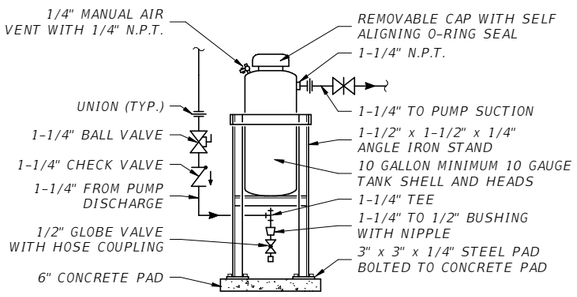


SECTION A-A (BASE POURED ON TOP OF SLAB)

NOTE:
1. L AND W DIMENSIONS SHALL BE 6 INCHES GREATER THAN THE EQUIPMENT BASE PLATE.

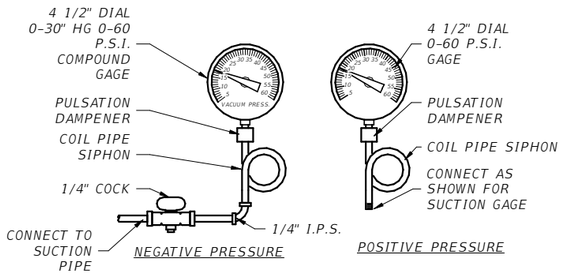
PUMP BASE

NOT TO SCALE



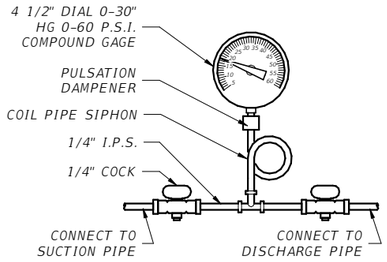
WATER TREATMENT CHEMICAL SHOT FEEDER DETAIL

NOT TO SCALE



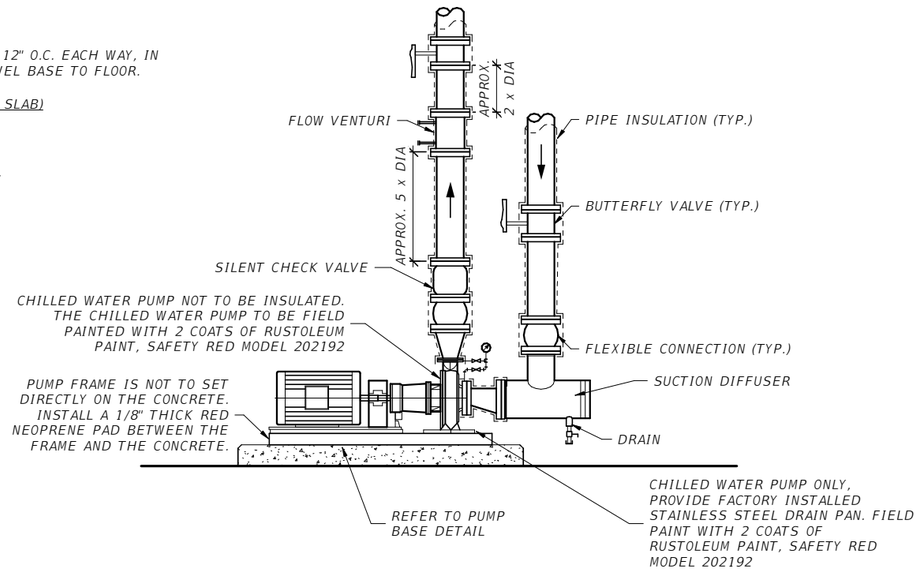
COIL PRESSURE GAGE DETAIL

NOT TO SCALE



PUMP PRESSURE GAGE DETAIL

NOT TO SCALE



CHILLED WATER END SUCTION PUMP DETAIL

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SUITE 375
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ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

HVAC DETAILS

DWG NO.
AM-502
SHEET NO.

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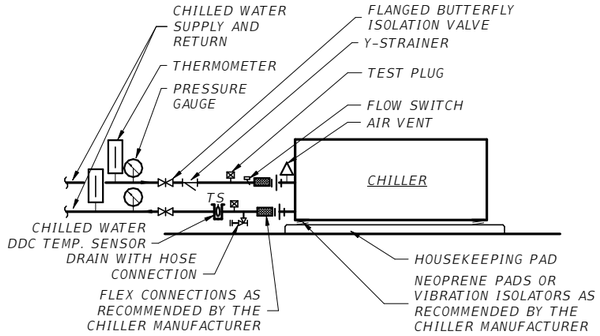
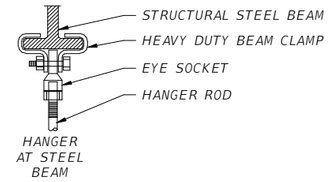
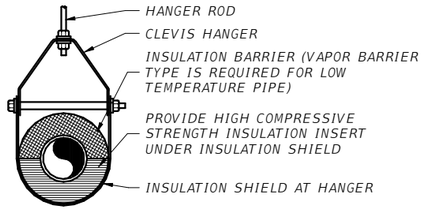


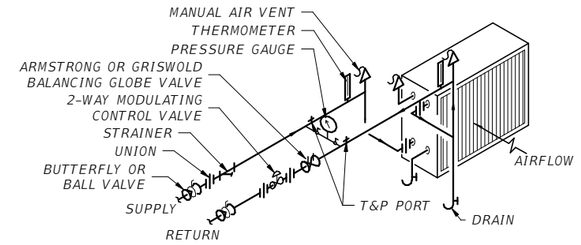
CHILLER PIPING DETAIL
NOT TO SCALE



HANGER TO STRUCTURE ATTACHMENT
NOT TO SCALE

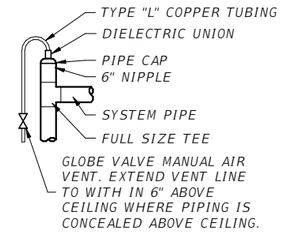


INSULATED PIPE HANGER SUPPORT
NOT TO SCALE

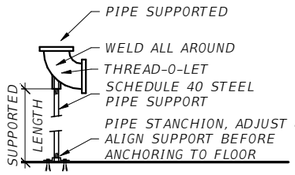


AIR HANDLER COIL PIPING (2-WAY VALVE)
NOT TO SCALE

2 WAY MODULATING CONTROL VALVE ON AH1.

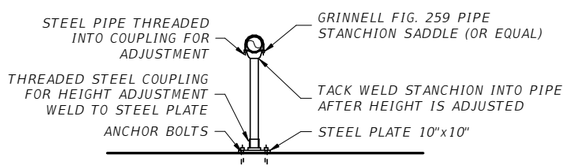


MANUAL AIR VENT
NOT TO SCALE



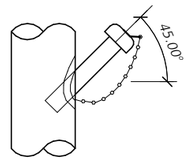
NOTES:
INSULATE STANCHION AND PIPE SUPPORT ON COLD WATER APPLICATIONS.

SPACING BETWEEN SUPPORTS SHALL CONFORM TO MSS-SP58.



STANCHION SCHEDULE		
PIPE SUPPORTED / SUPPORTED LENGTH	1'-0" TO 3'-0"	3'-1" TO 6'-0"
4" & BELOW	1"	2"
5" & ABOVE	2"	4"

PIPE SUPPORT STANCHION
NOT TO SCALE



NOTES:
1. LOCATE A TEST WELL AT EACH POINT OF TEMPERATURE SENSING AND TEMPERATURE CONTROL.
2. THERMOMETER WELLS MUST BE MOUNTED AT 45 DEGREES FROM HORIZONTAL OR VERTICAL WHERE POSSIBLE, FILL WELLS WITH OIL.

THERMOMETER WELL
NOT TO SCALE

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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

HVAC DETAILS

DWG NO.
AM-503
SHEET NO.

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AIR DISTRIBUTION DEVICE SCHEDULE

MARK		CD1	CD2	CR1	SS1	SS2	SR1	RR1	EG1	XG1	XG2	LD1	LV1
NECK SIZE	INCH	–	–	–	–	–	–	22x22	–	22x22	–	12"	REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS. (BOD GREENHECK EHV-901D)
MODULE/FACE SIZE	INCH	24x24/–	–/–	–/–	–/–	–/–	–/–	24x24/23x23	–/–	24x24/23x23	–/–	48" LONG	
MANUFACTURER **	–	TITUS	TITUS	TITUS	TITUS	TITUS	TITUS	TITUS	TITUS	TITUS	TITUS	TITUS	
MODEL NUMBER	–	OMNI-AA-DB	301FL	R-OMNI-AA	300FS	S300FS	350RL	355RL	50F	PAR-AA	50F	MLT-38	
CONSTRUCTION	–	ALUMINUM	ALUMINUM	ALUMINUM	ALUMINUM	ALUMINUM	STEEL	ALUMINUM	ALUMINUM	ALUMINUM	ALUMINUM	ALUMINUM	ALUMINUM
NOTES	–	1, 2, 4	1, 4, 8	1, 4	4	3, 4	1, 4, 6	4, 5, 9	1, 4, 8, 10	1, 4, 8	4, 8, 10	4, 7	11

** REFER TO TSP SPECIFICATIONS FOR OTHER ACCEPTABLE MANUFACTURERS

NOTES:

1. NECK SIZE OF DEVICE IS EQUAL TO THE DUCT SIZE INDICATED ON THE DRAWING.
2. PROVIDE WITH SQUARE TO ROUND ADAPTER. REFER TO PLANS FOR SIZE.
3. THIS AIR DEVICE HAS A CURVED FACE. REFER TO CONNECTING DUCT SIZED FOR FACE DIAMETER. PROVIDE WITH "ASD" AIR SCOOP DEVICE FOR BALANCING.
4. SEE PLANS FOR SIZE.
5. PROVIDE WITH OPPOSED BLADE DAMPER WITH SCREW ADJ. FROM DIFFUSER FACE WHERE LOCATED ABOVE HARD CEILINGS WHERE INDICATED WITH OBD'S.
6. WHERE FIRE DAMPER IS INDICATED TO BE ADJACENT TO THE GRILLE, THE GRILLE SHALL BE SECURED TO THE FIRE DAMPER IN ACCORDANCE WITH THE FIRE DAMPER MANUFACTURER'S WRITTEN INSTRUCTION. THE FIRE DAMPER FOR THIS APPLICATION SHALL BE EQUIVALENT TO RUSKIN IBD20G UL 555 CLASSIFIED DAMPER.
7. LINEAR DIFFUSER WITH TWO 3/4" SLOTS – PROVIDE END-CAPS AND INSULATED PLENUM BOOT. COORDINATE BOOT HEIGHT WITH ADJACENT CEILING FRAMMING.
8. WHERE GRILLE IS INDICATED TO BE LOCATED IN LAY-IN CEILINGS, PROVIDE 24x24 LAY-IN PANEL BORDER, WHITE IN COLOR.
9. LOUVERED FACE OF GRILLE SHALL BE AS INDICATED IN THE FACE SIZE. THE BLADES SHALL APPEAR ACROSS THE ENTIRE FACE OF THE GRILLE. CONTRACTOR TO FABRICATE INSULATED PLENUM FULL-SIZE OF DEVICE NECK AND CONNECT DUCT TO PLENUM. SIZE OF CONNECTING DUCT TO BE AS SHOWN IN PLAN.
10. PAINT INSIDE OF DUCT & GRILLE FLAT BLACK WHEN CAN BE SEEN THROUGH FACE OF GRILLE.
11. LOUVER WIND-DRIVEN RAIN PERFORMANCE SHALL BE WITHOUT A DAMPER: 99.9% EFFECTIVE AT PREVENTING WATER PENETRATION THROUGH LOUVER WHEN AMCA-500L TESTED AT 50 MILES PER HOUR WIND WITH 8 INCHES PER HOUR RAINFALL AND 2,155 FEET PER MINUTE AIRFLOW THROUGH THE FREE AREA. PENETRATION CLASS 'A' WITH DISCHARGE CLASS (INTAKE) '3' IN ACCORDANCE WITH AMCA 500-L WIND DRIVEN RAIN TEST. THE LOUVER SHALL BE ANSI/AMCA 540 AND ANSI/AMCA 550 LISTED AND SHALL A FLORIDA PRODUCT APPROVAL.

REMARKS:

A. REFER TO PLANS FOR EXACT LOCATIONS OF ALL DIFFUSERS, GRILLES AND REGISTERS.
B. COORDINATE FRAME STYLES WITH CEILING SYSTEM ACTUALLY FURNISHED.
C. NC VALUES FOR DIFFUSERS, GRILLES AND REGISTERS SHALL NOT EXCEED 35 WITH A ROOM ABSORPTION RATE OF 10db ie.. 10-12 WATTS.
D. REFER TO THE MECHANICAL LEGEND FOR A DESCRIPTION OF THE AIR DEVICE MARK.
E. WHERE THE CONNECTING DUCT OR PLENUM CAN BE OBSERVED THROUGH THE FACE OF THE GRILLE, THE VISIBLE DUCTWORK SHALL BE PAINTED FLAT BLACK.
F. LOUVERS ARE PROVIDED UNDER DIVISION 08. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.

AIR PURIFICATION DEVICE SCHEDULE

UNIT MARK	AHU	SUPPLY AIR FLOW CFM	OUTSIDE AIR FLOW CFM	BASIS OF DESIGN MANUFACTURER **	MODEL	ION OUTPUT (IONS/CC)	VOLTS	WATTS	MOUNTING LOCATION	NOTES
BP11	MS11	770	–	GLOBAL PLASMA SYSTEMS	GPS-CI-2	>160M	24	4	AHU BEFORE EVAPORATOR COIL	1,2,3,4,5
BP12	MS12	770	–	GLOBAL PLASMA SYSTEMS	GPS-CI-2	>160M	24	4	AHU BEFORE EVAPORATOR COIL	1,2,3,4,5
BP1	AH1	21,835	2,980	GLOBAL PLASMA SYSTEMS	GPS-IMOD	>160M	120	12	BETWEEN FILTER AND COIL	1,2,3,4,6,7

NOTES:

1. SHALL BE UL 2998 OZONE FREE COMPLIANT.
2. UNIT SHALL BE SELF CLEANING.
3. PROVIDE WITH ON/OFF INDICATOR LIGHT.
4. PROVIDE WITH INTEGRAL DDC SYSTEM ALARM CONTACT.
5. POWERED THROUGH UNIT'S 24 VOLT TRANSFORMER.
6. POWERED THROUGH 120 VOLT CIRCUIT TO UNIT. COORDINATE WITH ELECTRICAL.
7. COORDINATE BAR LENGTH AND QUANTITY REQUIRED WITH AIR HANDLER SHOP DRAWING SUBMITTAL.

** REFER TO TSP SPECIFICATIONS FOR OTHER ACCEPTABLE MANUFACTURERS

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NORTH W STREET	ESCAMBIA	451524-1-38-01

HVAC SCHEDULES

DWG NO. AM-601

SHEET NO.

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FAN SCHEDULE

MARK	SERVES	AIRFLOW (CFM)	DRIVE	TIP SPEED (FT/MIN)	MOTOR SPEED (RPM)	FAN SPEED (RPM)	STATIC EFF. (%)	INLET TEMP. (°F)	EXTERNAL S.P. (IN. H20)	ELECTRICAL V/PH/HZ	MOTOR HP BHP/HP	SONES	MANUFACTURER **	MODEL NUMBER	MOUNTING LOCATION	WEIGHT (LBS)	INTERLOCK	NOTES
EF11	GENERAL EXHAUST	175	DIRECT	3,710	1,750	1,744	25	76	0.375	120/1/60	0.03 / 0.07	5.2	GREENHECK	SQ-70-VG	INLINE	20	AH1	1,2,3,4,5,6,7
EF12	GENERAL EXHAUST	450	DIRECT	4,400	1,725	1,545	40	76	0.375	120/1/60	0.07 / 0.10	6.3	GREENHECK	SQ-90-VG	INLINE	41	AH1	1,2,3,4,5,6,7

** REFER TO TSP SPECIFICATIONS FOR OTHER ACCEPTABLE MANUFACTURERS

NOTES:

1. COORDINATE WITH ELECTRICAL DRAWINGS.
2. PROVIDE WITH FACTORY DISCONNECT.
3. INTERLOCK VIA DDC SYSTEM. PROVIDE ALL REQUIRED CONTACTS AND RELAYS.
4. PROVIDE REQUIRED CONTACTS AND RELAYS FOR INTERLOCKING FAN WITH OTHER DEVICES AS SCHEDULED.
5. PROVIDE WITH 0-10 VDC EC "VG" MOTOR CONTROLLER, AND SET FAN SPEED THROUGH THE DDC SYSTEM.
6. PROVIDE BACKDRAFT DAMPER.
7. PROVIDE WITH DUCT FLANGE, FLEX CONNECTORS, SPRING VIBRATION ISOLATORS, AND LUBRICATION LINES.

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No.	Date	Issue / Revision

STEPHEN R. FORKNER, PE
PE 80532

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607
ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

HVAC SCHEDULES

DWG NO. AM-602

SHEET NO.

6/18/2025 4:22:29 PM

MINI-SPLIT UNIT SCHEDULE

MARK		MS11/CU11	MS12/CU12					
AREA SERVED	-	147 SERVER	147 SERVER					
COOLING TOTAL CAPACITY	BTUH	33,200	33,200					
AIR QUANTITY (HIGH)	CFM	770	770					
ENERGY EFFICIENCY	SEER2/EER2	15.9/9.5	15.9/9.5					
REFRIGERANT	-	R-32	R-32					
MANUFACTURER	-	DAIKIN	DAIKIN					
INDOOR MODEL	-	FTX36WVJU9	FTX36WVJU9					
DIMENSIONS (HxWxD)	IN.	14x48x11	14x48x11					
OUTDOOR MODEL	-	RK36WMVJU9	RK36WMVJU9					
DIMENSIONS (HxWxD)	IN.	29x48x13	29x48x13					
REF. LINE LENGTH (APROX)	L.F.	74	74					
ELECTRICAL	V/PH	208/1	208/1					
MCA/MAX FUSE	AMP/AMP	16.6/20	16.6/20					
NOTES		1,2,3,4,5	1,2,3,4,5					

** REFER TO TSP SPECIFICATIONS FOR OTHER ACCEPTABLE MANUFACTURERS

NOTES:

1. DUCTLESS SPLIT AIR CONDITIONING UNIT WITH REMOVABLE FRONT GRILLE, WASHABLE REUSABLE FILTERS, AUTO-RESTART. PROVIDE POWER SUPPLY CORD AND ACCESSORIES FOR WALL MOUNTING, WIRELESS REMOTE CONTROL WITH 24 HOUR TIMER, FOUR SPEED FAN CONTROL, AUTO-COOL-DRY-FAN MODE. UL LISTED.
2. ALL REFRIGERANT LINES SHALL BE RIGIDLY SUPPORTED. CONCEAL LINES AS MUCH AS POSSIBLE. THE CONTRACTOR SHALL OBTAIN OWNER APPROVAL FOR PIPING THAT IS PROPOSED TO BE RUN EXPOSED.
3. INSULATE ALL SUCTION LINES.
4. PROVIDE WITH INLINE CONDENSATE PUMP POWERED THROUGH THE AIR HANDLER.
5. THERMOSTAT ON UNIT SERVING MDF DATA ROOM SHALL BE SET AND LOCKED TO 74°F.

COMPONENTS FOR MINI-SPLIT SYSTEM INSTALLATION:

1. INTERIOR LINESET COVER: ALL EXPOSED LINESETS, WHICH ARE INSTALLED INSIDE THE BUILDING, SHALL BE ENCLOSED IN AN EXTRUDED PVC LINESET COVER SYSTEM, WHICH SHALL CONSIST OF COMPONENTS THAT DISASSEMBLE EASILY TO PROVIDE RAPID INSTALLATION AND FACILITATE FUTURE ACCESS FOR TESTING AND/OR REPAIRS AND SHALL HAVE NO EXPOSED FIXINGS OR CLOSURE MECHANISMS. THEY SHALL BE INSTALLED STRICTLY IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. LINESET COVERS FABRICATED FROM FOLDED METAL OR FROM PLASTIC OR METAL DOWNSPOUTS ARE NOT ACCEPTABLE. ENCLOSURE SYSTEM SHALL BE SLIMDUCT MD SERIES OR EQUIVALENT WITH COMPATIBLE AND APPROPRIATE ELBOWS, COUPLERS, CEILING TRIM, WALL INLETS, AND END COVERS.
2. EXTERIOR LINESET COVER: ALL EXPOSED LINESETS, WHICH ARE INSTALLED OUTSIDE THE BUILDING, SHALL BE ENCLOSED IN AN EXTRUDED PVC LINESET ENCLOSURE SYSTEM, WHICH SHALL CONSIST OF COMPONENTS THAT DISASSEMBLE EASILY TO PROVIDE RAPID INSTALLATION AND FACILITATE FUTURE ACCESS FOR TESTING AND/OR REPAIRS. ALL CLOSURE SCREWS AND ANY EXPOSED FIXING HARDWARE SHALL BE STAINLESS STEEL. NO EXTERNAL FIXINGS SHALL BE VISIBLE EXCEPT IN THE CASE OF SPECIFIC COMPONENTS THAT CANNOT BE FIXED INTERNALLY. ALL LINESET COVERS SHALL BE CORRECTLY SIZED TO ACCOMMODATE THE LINESET ITSELF AND ANY DRAIN HOSE OR ELECTRICAL WIRING WHICH MAY ALSO BE ENCLOSED. LINESET COVERS SHALL BE APPROPRIATELY COLORED TO FIT IN WITH BUILDING ARCHITECTURE AND SHALL BE INSTALLED STRICTLY IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. LINESET COVERS FABRICATED FROM FOLDED METAL OR FROM PLASTIC OR METAL DOWNSPOUTS ARE NOT ACCEPTABLE LINESET COVERS SHALL BE SLIMDUCT SD SERIES OR EQUIVALENT WITH COMPATIBLE AND APPROPRIATE ELBOWS, COUPLERS, WALL INLETS, AND END COVERS. ALL ASSOCIATED ANCHORAGE AND CONNECTING HARDWARE SHALL BE EITHER STAINLESS STEEL OR HOT DIPPED GALVANIZED.
3. CONDENSATE DRAIN HOSE: CONDENSATE DRAIN HOSE SHALL BE ADEQUATELY SIZED AND INSTALLED WITH SUFFICIENT SLOPE TO ENSURE GRAVITY FLOW OF CONDENSATE WATER TO OUTSIDE THE BUILDING. WHERE GRAVITY FLOW IS NOT POSSIBLE, A SUITABLY SIZED PUMP SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. DRAIN LINES SHALL BE INSTALLED WITHOUT KINKS OR RESTRICTIONS, WHICH COULD INHIBIT THE FREE FLOW OF CONDENSATE WATER. WHERE CONDENSATE DRAIN LINE IS RUN INSIDE AN INTERIOR LINESET COVER, THE LINE SHALL BE SLIMDUCT DRAIN HOSE MODEL DSH-14 OR EQUIVALENT. WHERE CONDENSATE DRAIN LINES ARE CONCEALED IN WALLS OR ABOVE CEILINGS, THE CONDENSATE DRAIN LINES SHALL BE TYPE L COPPER INSULATED WITH FLEXIBLE UNICELLULAR FOAM INSULATION.
4. OUTDOOR UNIT MOUNTING BRACKETS: MINISPLIT OUTDOOR UNITS SHALL BE FIRMLY MOUNTED IN AN AREA, WHICH IS EASILY ACCESSIBLE FOR PERIODIC MAINTENANCE AND/OR REPAIRS. OUTDOOR UNIT BRACKETS SHALL BE PRESSED STAINLESS STEEL. ALL BOLTS AND FIXINGS SHALL BE HOT DIPPED GALVANIZED OR STAINLESS STEEL AND ALL BRACKETS SHALL BE FITTED WITH RUBBER ANTI VIBRATION MOUNTINGS UNDERNEATH THE OUTDOOR UNIT. BRACKETS SHALL BE CORRECTLY SIZED FOR PHYSICAL DIMENSIONS OF OUTDOOR UNIT AND WEIGHT CAPABILITY AND SHALL BE INSTALLED STRICTLY IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS. SUITABILITY OF BOTH MOUNTING SURFACE AND FIXING BOLTS TO HANDLE COMBINED LOAD SHALL BE CONFIRMED BY THE CONTRACTOR PRIOR TO INSTALLATION.
   A. WALL MOUNTED: OUTDOOR UNITS, WHICH MUST BE HUNG FROM BUILDING SURFACES, SHALL BE MOUNTED ON A HIGH VELOCITY WIND ZONE (HVWZ) RATED PURPOSE MADE STAINLESS STEEL BRACKET EQUIVALENT TO DIVERSITECH QUICKSLING QSWB4000SS (FLORIDA PRODUCT APPROVAL No. FL-22529). SUBMIT WITH FLORIDA PRODUCT APPROVAL / INSTALLATION INFORMATION.
5. CONDENSATE PUMP: WHERE CONDENSATE DISCHARGE TERMINATES ABOVE AC UNIT ELEVATION, A CONDENSATE DRAIN PUMP EQUIVALENT TO ASPEN WHITE UNIVOLT (120 THROUGH 240 VOLT) PUMP WITH INSTALLATION KIT PROVIDED. PUMP IS FITTED BELOW THE INDOOR UNIT AND HAS A SNAP-ON/OFF COVER FOR FILTER MAINTENANCE. THE INSTALLATION KIT SHALL INCLUDE PUMP/CABLE ASSEMBLY, PVC ELBOW AND LINESET COVER, CEILING FLASHING, INLET AND DISCHARGE HOSE, WALLPLUGS AND SCREWS.
   A. THE PUMP SHALL BE SELF PRIMING AND SELF LEVELING, OPERATES AUTOMATICALLY ON WATER RISE, HAS A CAPACITY OF 0.8 GPH. @ 26 FOOT HEAD, OPERATES EXTREMELY QUIETLY AT 23 DB(A) AND SHALL BE RATED FOR MINISPLITS UP TO 30,000 BTU/HR. THE PUMP SHALL BE THERMALLY PROTECTED, POTTED FOR WATER RESISTANCE, INCLUDES WATERPROOF TERMINATION OF ELECTRICAL AND ALARM WIRING AND IS UL LISTED. THE PUMP AND WATER LEVEL SENSOR SHALL BE CONSOLIDATED INTO ONE SINGLE UNIT IN WHICH THE PUMP IS MOUNTED DIRECTLY ABOVE THE SENSOR HOUSING/RESERVOIR WHICH IS TRANSPARENT TO FACILITATE INSPECTION. THE SENSOR HOUSING/RESERVOIR DISASSEMBLES EASILY FROM THE PUMP TO FACILITATE CLEANING AND MAINTENANCE AND INCLUDES A STAINLESS STEEL MESH FILTER WHICH EASILY REMOVABLE FOR CLEANING. IT ALSO INCLUDES VOLT FREE NO & NC CONTACTS RATED AT 5 AMP INDUCTIVE AND 8 AMP RESISTIVE AT LINE VOLTAGE. THESE CONTACTS WILL ENERGIZE THE PUMP ON RISE OF WATER LEVEL, HOWEVER, IF THE WATER LEVEL CONTINUES TO RISE BECAUSE WATER IS NOT BEING EVACUATED FOR ANY REASON, THEY WILL CUT POWER TO PUMP AND EVAPORATOR.

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FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

HVAC SCHEDULES

DWG NO.
AM-603
SHEET NO.

6/18/2025 4:22:30 PM

VARIABLE AIR VOLUME TERMINAL SCHEDULE

MARK	AIRFLOW (CFM)			SIZE	NC		HEATING COIL				APD	BASIS OF DESIGN MANUFACTURER **	MODEL	NOTES
	MAX	MIN HEAT	MIN		DISCH	RAD	HEAT (MBH)	KW	STEPS	Power				
VAV01	100	75	45	4	18	20	3.3	1.0	SCR	277/1	0.02	ENVIROTEC	SDR-EH	1,2,3,4,5,6,7,8
VAV02	325	190	190	6	20	18	8.3	2.5	SCR	277/1	0.17	ENVIROTEC	SDR-EH	1,2,3,4,5,6,7,8
VAV03	400	235	235	6	22	23	10.2	3.0	SCR	277/1	0.20	ENVIROTEC	SDR-EH	1,2,3,4,5,6,7,8
VAV04	1,590	475	475	12	20	24	20.6	6.0	SCR	480/3	0.32	ENVIROTEC	SDR-EH	1,2,3,4,5,6,7,8
VAV05	595	190	180	8	22	21	8.2	2.5	SCR	277/1	0.30	ENVIROTEC	SDR-EH	1,2,3,4,5,6,7,8
VAV06	205	95	95	5	19	20	4.1	1.0	SCR	277/1	0.03	ENVIROTEC	SDR-EH	1,2,3,4,5,6,7,8
VAV07	1,405	530	530	12	20	23	23.0	6.5	SCR	480/3	0.28	ENVIROTEC	SDR-EH	1,2,3,4,5,6,7,8
VAV08	345	165	165	6	21	20	7.2	2.0	SCR	277/1	0.18	ENVIROTEC	SDR-EH	1,2,3,4,5,6,7,8
VAV09	140	95	95	4	20	20	4.2	1.0	SCR	277/1	0.03	ENVIROTEC	SDR-EH	1,2,3,4,5,6,7,8
VAV10	170	115	115	4	21	20	5.0	1.5	SCR	277/1	0.03	ENVIROTEC	SDR-EH	1,2,3,4,5,6,7,8
VAV11	265	85	85	5	22	20	3.8	1.0	SCR	277/1	0.04	ENVIROTEC	SDR-EH	1,2,3,4,5,6,7,8
VAV12	435	230	230	6	22	24	10.0	3.0	SCR	277/1	0.21	ENVIROTEC	SDR-EH	1,2,3,4,5,6,7,8
VAV13	290	150	150	5	21	20	6.5	2.0	SCR	277/1	0.07	ENVIROTEC	SDR-EH	1,2,3,4,5,6,7,8
VAV14	1,030	340	340	10	22	22	14.8	4.5	SCR	480/3	0.30	ENVIROTEC	SDR-EH	1,2,3,4,5,6,7,8
VAV15	1,885	565	565	14	20	20	24.5	7.0	SCR	480/3	0.26	ENVIROTEC	SDR-EH	1,2,3,4,5,6,7,8
VAV16	1,885	565	565	14	20	20	24.5	7.0	SCR	480/3	0.26	ENVIROTEC	SDR-EH	1,2,3,4,5,6,7,8
VAV17	240	115	105	5	20	20	5.0	1.5	SCR	277/1	0.05	ENVIROTEC	SDR-EH	1,2,3,4,5,6,7,8
VAV18	285	225	225	5	21	20	9.8	3.0	SCR	277/1	0.06	ENVIROTEC	SDR-EH	1,2,3,4,5,6,7,8
VAV19	285	130	130	5	21	20	5.6	1.5	SCR	277/1	0.06	ENVIROTEC	SDR-EH	1,2,3,4,5,6,7,8
VAV20	280	165	165	5	21	20	7.2	2.0	SCR	277/1	0.06	ENVIROTEC	SDR-EH	1,2,3,4,5,6,7,8
VAV21	410	240	240	6	22	24	10.4	3.0	SCR	277/1	0.20	ENVIROTEC	SDR-EH	1,2,3,4,5,6,7,8
VAV22	195	155	155	4	21	20	6.8	2.0	SCR	277/1	0.04	ENVIROTEC	SDR-EH	1,2,3,4,5,6,7,8
VAV23	115	75	60	4	19	20	3.3	1.0	SCR	277/1	0.02	ENVIROTEC	SDR-EH	1,2,3,4,5,6,7,8
VAV24	2,150	645	645	14	20	20	28.0	8.0	SCR	480/3	0.30	ENVIROTEC	SDR-EH	1,2,3,4,5,6,7,8
VAV25	2,780	835	835	16	6	6	36.2	10.5	SCR	480/3	0.36	ENVIROTEC	SDR-EH	1,2,3,4,5,6,7,8
VAV26	2,650	795	795	16	9	9	34.5	10.0	SCR	480/3	0.34	ENVIROTEC	SDR-EH	1,2,3,4,5,6,7,8
VAV27	1,165	350	350	10	24	24	15.2	4.5	SCR	480/3	0.34	ENVIROTEC	SDR-EH	1,2,3,4,5,6,7,8
VAV28	295	235	235	5	21	20	10.2	3.0	SCR	277/1	0.07	ENVIROTEC	SDR-EH	1,2,3,4,5,6,7,8
VAV29	300	190	180	5	21	20	8.2	2.5	SCR	277/1	0.07	ENVIROTEC	SDR-EH	1,2,3,4,5,6,7,8
VAV30	1,480	370	370	12	20	23	0.0	0.0	SCR	-	0.30	ENVIROTEC	SDR	1,2,4,5,7,8
TOTALS	23,695	8,625	8,550					104.0						

NOTES:

** REFER TO TSP SPECIFICATIONS FOR OTHER ACCEPTABLE MANUFACTURERS

1. DDC CONTROLS BY CONTROLS CONTRACTOR.
2. PROVIDE REINFORCED NON-POROUS FOIL LAMINATE FOR MICROBIAL PROTECTION. LINER SHALL BE SECURED BY STEEL Z CLIPS OR OVERLAPPING PANEL CONSTRUCTION TO SEAL ALL EDGES. THE INSULATION SHALL BE RIGID COMPRESSED GLASS FIBERS, SIX POUND DENSITY, WITH R3.5 R-VALUE, AND SHALL COMPLY WITH ASTM C665, UL 181, AND NFPA90A.
3. CONTRACTOR SHALL VERIFY PROPER CLEARANCES IN FRONT OF CONTROL HEATER PANELS. PROVIDE WITH INTEGRAL FACTORY MOUNTED SAFETY DISCONNECT, PRIMARY FUSING AND ALL REQUIRED CONTACTS AND RELAYS. COORDINATE WITH ELECTRICAL. PROVIDE FACTORY WIRED CONTROL TRANSFORMER. VAV TERMINAL SHALL HAVE SINGLE POINT POWER CONNECTION.
4. PROVIDE APPROPRIATE DIFFERENTIAL PRESSURE SWITCH TO PROPERLY CONTROL THE HEATER. THE EQUIPMENT SUPPLIER SHALL REVIEW THE DRAWINGS PRIOR TO ORDERING TO ASCERTAIN DUCT PRESSURES.
5. ALL PERFORMANCE DATA SHALL BE BASED ON TESTS CONDUCTED IN ACCORDANCE WITH ASHRAE 130-2008 AND AHRI 880-2008. ALL NC LEVELS DETERMINED USING AHRI 8855-2008, APPENDIX E RATED WITH 1" WG PRESSURE AT THE TERMINAL INLET.
6. PROVIDE MAGNETIC HEATER CONTACTORS.
7. VAV TERMINAL SHALL BE PRESSURE INDEPENDENT.
8. REFER TO TSP FOR ADDITIONAL REQUIREMENTS.

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FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

HVAC SCHEDULES

DWG NO.
AM-604
SHEET NO.

6/18/2025 4:22:30 PM

AIR COOLED CHILLER SCHEDULE

MARK		CH1	CH2
TYPE	–	SCROLL	SCROLL
NOMINAL CAPACITY (AHRI)	TONS	76.9	76.9
MAX. CHILLED WATER FLOW	GPM	131.6	131.6
MINIMUM CHILLED WATER FLOW	GPM	90.0	90.0
PRESSURE DROP	FT. HEAD	5.7	5.7
ENTERING / LEAVING WATER TEMP.	°F/°F	57 / 43	57 / 43
AMBIENT AIR TEMPERATURE	°F DB	95	95
REFRIGERANT TYPE	–	R-32	R-32
NO. OF COMPRESSORS	–	4	4
STEPS OF CAPACITY	–	VARIABLE	VARIABLE
NO. OF CONDENSER FANS	–	6	6
UNIT EFFICIENCY	EER/IPLV	11.28 / 17.53	11.28 / 17.53
100% LOAD (@ 95°F AMBIENT)	EER	11.28	11.28
75% LOAD (@ 95°F AMBIENT)	EER	14.77	14.77
50% LOAD (@ 95°F AMBIENT)	EER	19.29	19.29
25% LOAD (@ 95°F AMBIENT)	EER	20.36	20.36
ELECTRICAL	VOLT/∅/Hz	460/3/60 & 120	460/3/60 & 120
CONTROLS	–	DDC (BACNET)	DDC (BACNET)
UNIT POWER	MCA/MOCP	166 / 200	166 / 200
OPERATING WEIGHT	LBS	4,335	4,335
MAXIMUM DIMENSIONS	L"xW"xH"	128 x 88 x 99	128 x 88 x 99
BASIS OF DESIGN MANUFACTURER **	–	DAIKIN	DAIKIN
MODEL	–	AGZ006F	AGZ006F
NOTES	–	1-10	1-10

** REFER TO TSP SPECIFICATIONS FOR OTHER ACCEPTABLE MANUFACTURERS

NOTES:

1. PROVIDE DUAL POINT POWER CONNECTION (120/480V) WITH FACTORY MOUNTED DOOR INTERLOCKING NON-FUSED DISCONNECT SWITCH AND FACTORY MOUNTED CONTACTORS AND STARTERS TO START ALL MOTORS, CONTROL VOLTAGE TRANSFORMER FOR ALL CONTROL POWER REQUIREMENTS, PHASE VOLTAGE MONITOR FOR UNDER/ OVERVOLTAGE PROTECTION, SUCTION, DISCHARGE, AND OIL PRESSURE GAUGES.
2. PROVIDE FULL START-UP AND OWNER'S INSTRUCTION PERIOD BY MANUFACTURER'S FACTORY AUTHORIZED SERVICE. REFER TO SPECIFICATIONS FOR WARRANTY REQUIREMENTS.
3. PROVIDE SUCTION LINE ISOLATION SHUT-OFF VALVES FOR EACH CIRCUIT.
4. PROVIDE OPEN PROTOCOL COMMUNICATION HARDWARE AND SOFTWARE AND DDC BASED WATER TEMPERATURE CONTROLS. PROVIDE INTERFACE PANEL TO CHILLER. CHILLER FAULTS AND ALARMS SHALL BE INDICATED AT THE DDC SYSTEM HEAD END.
5. PROVIDE AUXILIARY CONTACT TO NOTIFY THE DDC SYSTEM THAT THE CHILLED WATER PUMP SHALL RUN.
6. MAXIMUM WEIGHTED SOUND PRESSURE IS 65.0 DBA AT 30.0 FEET FROM SIDES OF UNIT, MAXIMUM WEIGHTED SOUND POWER IS 92.0 DBA. SOUND PRESSURE LEVELS RATED IN ACCORDANCE WITH ARI STANDARD 370. SOUND PRESSURE RATINGS ARE VALUES AT 30.0 FT. FROM SIDES OF UNIT. PROVIDE COMPRESSOR SOUND ENCLOSURES AND QUIET FANS IF REQUIRED TO MEET THESE LEVELS.
7. CAPACITIES LISTED ARE MINIMUM REQUIRED AT DESIGN CONDITIONS LISTED.
8. SHOULD THE CHILLER'S CONTROLLER DETECT LOSS OF EVAPORATOR WATER FLOW, THE CHILLER SHALL BE LATCHED OUT OF OPERATION UNTIL CLEARED AT THE CHILLER'S CONTROL PANEL. LOSS OF POWER AT THE CHILLER SHALL NOT CLEAR ITS CONTROLLER'S OPERATIONAL STATUS OR CONTROL LATCHED-OUT STATES.
9. UPON POWER LOSS, STAGE COMPRESSORS AND CONDENSER FANS ON TO LIMIT SURGE CURRENT ON GENERATORS.
10. THIS UNIT HAS ONE 480/3/60 AND ONE 120/1/60 POWER FEEDS.
11. REFER TO TSP FOR ADDITIONAL REQUIREMENTS.

MODULAR AIR HANDLER SCHEDULE

MARK			AH1	
TOTAL SUPPLY AIR		CFM	21,825	
TOTAL OF CONNECTED DEVICES DOWNSTREAM		CFM	23,695	
RELIEF AIR		CFM		1,740
STATIC PRESSURE (EXT/TOTAL)		IN. H20	2.9 / 5.25	1.25 / 2.05
ENERGY RECOVERY WHEEL	AIR QUANTITY	CFM	2,980	2,016
	PURGE	CFM		226
	ENTERING TEMPERATURE SUMMER DB/WB	°F/°F	93.0 / 78.0	74.0 / 63.0
	LEAVING TEMPERATURE SUMMER DB/WB	°F/°F	82.7 / 70.7	90.9 / 76.3
	ENTERING TEMPERATURE WINTER DB/WB	°F/°F	28.0 / 23.6	72.0 / 60.0
	LEAVING TEMPERATURE WINTER DB/WB	°F/°F	51.7 / 45.5	33.9 / 29.9
	MAX. WHEEL AIR PRESS. DROP	IN. H20	0.66	0.39
	FILTER PRESSURE DROP (CLEAN)	IN. H20	0.59	0.20
	FILTERS	TYPE/EFF.	2" MERV 8 PREFILTER	2" MERV 8 PREFILTER
	BASIS OF DESIGN MANUFACTURER **	–	NOVEL AIRE TECH	
	MODEL	–	ECW 484-3A	
	ELECTRICAL CHARACTERISTICS	V/∅/Hz	120/1/60 (0.5 HP)	
OUTSIDE AIR QUANTITY		CFM	2,980	
MIXED AIR QUANTITY		CFM	21,825	
ENTERING TEMPERATURE DB/WB		°F/°F	75.1 / 64.1	
COOLING COIL TOTAL CAPACITY (NET)		MBH	858.0	
COOLING COIL SENSIBLE CAPACITY (NET)		MBH	546.8	
COOLING COIL		ROWS/FPI/MIN.TUBE∅	8 / 10 / 0.625	
COOLING COIL MAX AIR PRESS. DROP		IN. H20	0.79	
COOLING COIL MAX. FACE VELOCITY		FPM	445	
COOLING COIL WATER FLOW		GPM	122.6	
CHILLED WATER TEMP., ENT/LVG		°F/°F	43 / 57	
COOLING COIL MAX. WATER PRESSURE DROP		IN. H20	9.0	
LEAVING TEMPERATURE COOLING DB/WB		°F/°F	51.9 / 50.6	
FILTERS		TYPE/EFF.	30% PLEATED PRE FILTER & MERV 13 PLEATED IN 2 CHANNEL FLAT RACK	30% PLEATED PRE FILTER & MERV 13 PLEATED IN 2 CHANNEL FLAT RACK
MAX. FAN SPEED		RPM	1,897	1,987
FAN MOTOR		HP / BHP	(2) 20 / 26.2 total	(1) 2.0 / 1.25
ELECTRICAL CHARACTERISTICS		V/∅/Hz	480 / 3 / 60	480 / 3 / 60
FAN ARRANGEMENT/TYPE		–	(2) 24.5" PLENUM	(1) 14.0" PLENUM
UNIT ARRANGEMENT		–	STACKED WITH OPPOSED AIR FLOWS	
MIN INVERT TO CONDENSATE CONNECTION ABOVE PAD		–	10	
UNIT WEIGHT		LBS	14,037	
RADIATED SOUND POWER LEVELS (A weighted)		dBA	81/75/69/71/71/60/47/51	
DISCHARGE SOUND POWER LEVELS (A weighted)		dBA	91/85/87/92/93/88/85/78	
UNIT LOCATION		–	MECH 149	
SPACE SERVED		–	GENERAL OFFICES	
BASIS OF DESIGN MANUFACTURER **		–	DAIKIN	
MODEL		–	CAH050GDGM	
NOTES		–	1-14	

** REFER TO TSP SPECIFICATIONS FOR OTHER ACCEPTABLE MANUFACTURERS

NOTES:

1. PROVIDE POSITIVE SLOPED (IN MIN OF TWO PLANES) STAINLESS STEEL DRAIN PAN WITH DRAIN OUTLET IN BOTTOM OF PAN. DRAIN PAN SHALL EXTEND 8" BEYOND COOLING COIL OR FAN SECTIONS SHALL HAVE DRAIN PANS. COIL CASING, INCLUDING CROSS BRACING, SHALL BE STAINLESS STEEL CONSTRUCTION. PROVIDE RED BRASS (NON-FERROUS) COIL CONNECTIONS, VENTS AND DRAINS AND EXTEND THROUGH THE COIL CASING.
2. PROVIDE DOUBLE WALL UNIT, MINIMUM 2" THROUGHOUT UNIT (INCLUDING BELOW DRAIN PAN) WITH A SOLID INNER LINER. UNIT SHALL HAVE FACTORY FABRICATED DOUBLE WALL FILTER PLENUM MIXING BOX. PROVIDE FULL SIZED HINGED ACCESS DOORS AT PLENUM SECTION, FILTER SECTION, COIL SECTION(S), AND FAN SECTION. PROVIDE 18" ACCESS SECTION BETWEEN FILTER AND COIL SECTION WITH DOORS ON BOTH SIDES, PROVIDE ACCESS DOORS ON BOTH SIDES OF FILTER BANK AND CHILLED WATER COIL. COOLING COILS SHALL BE ACCESSIBLE ON THE UPSTREAM AND DOWNSTREAM SIDE. PROVIDE FLAT FILTER BANKS AND NOT V BANK TYPE FILTER SECTIONS. PROVIDE 18" CLEAR ACCESS SPACE BETWEEN THE FLAT FILTER AND THE CHILLED WATER COIL.
3. PROVIDE PREMIUM EFFICIENCY MOTORS.
4. PROVIDE OVERSIZED FANS NOT TO EXCEED RADIATED SOUND POWER PER ASHRAE.
5. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
6. UNITS SHALL HAVE INTERNAL VIBRATION ISOLATORS WITH 2" DEFLECTION. UNIT SHALL HAVE 1" NEOPRENE PADS BETWEEN THE BASE RAILS AND THE 6" HOUSEKEEPING PAD.
7. PROVIDE SINGLE HEADER ON AFTER FILTERS FOR EFFECTIVE SEALING.
8. PROVIDE MINIHELIC DIFFERENTIAL PRESSURE GAGE AT FILTER.
9. FAN RPM AND OUTLET VELOCITY ARE MAXIMUM. PROVIDE OVERSIZED FANS NOT TO EXCEED VALUES INDICATED.
10. PROVIDE DIRECT DRIVE PLENUM FANS. PROVIDE MULTIPLE FAN ARRAY AS REQUIRED TO LIMIT THE MAXIMUM MOTOR SIZE TO 20 HP.
11. CHILLED WATER COILS SHALL NOT EXCEED 10 FINS PER INCH.
12. VAV SYSTEM WITH VARIABLE FREQUENCY DRIVE FOR FAN CONTROL. FAN MOTOR SHALL BE VFD DUTY. SEE VARIABLE FREQUENCY DRIVE SCHEDULE.
13. PROVIDE 120 VOLT POWER FOR THE ENERGY RECOVERY WHEEL AND BIPOLAR IONIZATION UNIT.
14. PROVIDE ONE ELECTRICAL CONNECTION FOR THE SUPPLY FAN(S) AND ONE ELECTRICAL CONNECTION FOR THE EXHAUST FAN.

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No.	Date	Issue / Revision

STEPHEN R. FORKNER, PE
PE 80532

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607
ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

HVAC SCHEDULES

DWG NO. AM-605

SHEET NO.

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VARIABLE FREQUENCY DRIVE SCHEDULE

MARK		VFDP1	VFDP2	VFDA1S	VFDA1R
SERVICE	-	CHWP1	CHWP2	AH1	AH1(RELIEF FAN)
MOTOR	HP	5	5	(2)20	2
OPEN PROTOCOL	-	SEE CONTROLS SPECIFICATION	SEE CONTROLS SPECIFICATION	SEE CONTROLS SPECIFICATION	SEE CONTROLS SPECIFICATION
ELECTRICAL	VOLT/Ø/60	480/3/60	480/3/60	480/3/60	480/3/60
MCA	AMPS	8.2	8.2	52	3.4
LOCATION	-	MECH RM 149	MECH RM 149	MECH RM 149	MECH RM 149
ENCLOSURE	-	NEMA 1	NEMA 1	NEMA 1	NEMA 1
DIMENSIONS	H"xW"xD"	31.8x7.6x9.6	31.8x7.6x9.6	25.6x19.1x12	31.8x7.6x9.6
BASIS OF DESIGN MANUFACTURER **	-	DANFOS	DANFOS	DANFOS	DANFOS
MODEL	-	FC-102P4K0T4	FC-102P4K0T4	FC-102P30T4	FC-102P1K5T4
NOTES	-	1-6	1-6	1-7	1-6

NOTES: ** REFER TO TSP SPECIFICATIONS FOR OTHER ACCEPTABLE MANUFACTURERS

1. PROVIDE FULL SPEED MANUAL BYPASS WITH BOTH AN INTERLOCKING MAIN DISCONNECT SWITCH AND A DRIVE DISCONNECT SWITCH.
2. PROVIDE INTEGRAL FACTORY WIRED DC LINK REACTORS.
3. PROVIDE INTEGRAL FACTORY WIRED EMI FILTERS.
4. PROVIDE REMOTE START/STOP CAPABILITY IN BOTH DRIVE AND BYPASS MODE.
5. DRIVE AND BYPASS SHALL BE RATED AT 100,000 AMP MAXIMUM INPUT INTERRUPTING CAPABILITY, NO EXCEPTIONS.
6. DIVISION 23 SHALL FURNISH THE DRIVE. DRIVE INSTALLED BY DIVISION 26. SEE DIVISION 23 AND 26 SPECIFICATIONS.
7. THIS DRIVE SERVES TWO AHU MOTORS. PROVIDE INTERNAL FUSING FOR EACH MOTOR.

PUMP SCHEDULE

MARK		CHWP1	CHWP2
TYPE	-	END-SUCTION	END-SUCTION
FLUID FLOW	GPM	136	136
TOTAL DYNAMIC HEAD	FT. WTR.	55	55
MOTOR	HP	5	5
SPEED	RPM	1,574	1,574
TWO POINTS OF OPERATION DEFINING CURVE	GPM/HEAD	145 / 55.0	145 / 55.0
	GPM/HEAD	161 / 68.1	161 / 68.1
MINIMUM EFFICIENCY	%	73.2	73.2
MOTOR TYPE	-	ODP	ODP
BASE TYPE	-	145T	145T
MAXIMUM IMPELLER DIA.	INCHES	8.5	8.5
DESIGN IMPELLER DIA.	INCHES	8.5	8.5
SUCTION DIA.	INCHES	2.5	2.5
DISCHARGE DIA.	INCHES	2	2
ELECTRICAL	VOLT/Ø/60	460/3/60	460/3/60
WEIGHT	LBS.	240	240
BASIS OF DESIGN MANUFACTURER **	-	BELL&GOSSETT	BELL&GOSSETT
MODEL	-	e-1510 2BD	e-1510 2BD
NOTES	-	1-6	1-6

NOTES: ** REFER TO TSP SPECIFICATIONS FOR OTHER ACCEPTABLE MANUFACTURERS

1. PUMP POWERED WITH VARIABLE FREQUENCY DRIVE. PROVIDE VFD DUTY MOTOR. SEE VARIABLE FREQUENCY DRIVE SCHEDULE.
2. MOTOR SHALL HAVE A 125% SERVICE FACTOR AND SHALL BE NON-OVERLOADING.
3. PROVIDE PHASE LOSS PROTECTION.
4. FULL VOLTAGE, NON-REVERSING STARTER PROVIDED BY DIV. 26.
5. PROVIDE WITH SUCTION DIFFUSER WITH STAINLESS STEEL BASKET.
6. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

AIR SEPARATOR SCHEDULE

MARK		AS1
SERVICE	-	CHILLED WATER
INLET SIZE	INCHES	4
OUTLET SIZE	INCHES	4
MAX. WATER PRESS. DROP	FT. H20	2.0
WEIGHT (EMPTY/FULL)	LBS	120/-
BASIS OF DESIGN MANUFACTURER **	-	WIENMAN
MODEL	-	W4ASL
NOTES	-	1

NOTE: ** REFER TO TSP SPECIFICATIONS FOR OTHER ACCEPTABLE MANUFACTURERS

1. PROVIDE WITHOUT STRAINER.

EXPANSION TANK SCHEDULE

MARK		ET1
SERVICE	-	CHILLED WATER
DIMENSIONS	INCHES	52h x 24w
ACCEPTANCE VOLUME (MIN.)	GALLONS	73
TANK VOLUME (MINIMUM)	GALLONS	90
TYPE	-	VERTICAL
WEIGHT (EMPTY/FULL)	LBS	266/977
BASIS OF DESIGN MANUFACTURER **	-	BELL & GOSSETT
MODEL	-	D-180V
NOTES	-	1

NOTE: ** REFER TO TSP SPECIFICATIONS FOR OTHER ACCEPTABLE MANUFACTURERS

1. HEAVY DUTY BUTYL DIAPHRAGM TYPE IN STEEL TANK.

SHOT FEEDER SCHEDULE

MARK		CF1
CAPACITY	GALLONS	10
SERVICE	-	CHILLED WATER
WEIGHT	LBS	20
BASIS OF DESIGN MANUFACTURER **	-	CLAYPOOL
MODEL NUMBER	-	-
NOTES	-	1

NOTE: ** REFER TO TSP SPECIFICATIONS FOR OTHER ACCEPTABLE MANUFACTURERS

1. PROVIDE WITH REMOVABLE SOCK.

BUFFER TANK SCHEDULE

MARK		BT1
SERVICE	-	CHILLED WATER
DIMENSIONS	INCHES	65h x 48w
CONNECTION SIZE (MIN.)	INCHES	4
TANK VOLUME (MINIMUM)	GALLONS	400
TYPE	-	VERTICAL
WEIGHT (EMPTY/FULL)	LBS	823/4,155
BASIS OF DESIGN MANUFACTURER **	-	TACO
MODEL	-	BTH0400F4-150NN
NOTES	-	1, 2, 3, 4

NOTE: ** REFER TO TSP SPECIFICATIONS FOR OTHER ACCEPTABLE MANUFACTURERS

1. THE TANK SHALL INCORPORATE A BAFFLE TO PROMOTE TANK WATER STORAGE TEMPERATURE STRATIFICATION. THE SYSTEM WATER CONNECTIONS SHALL BE FLANGED AND HAVE HIGH CONNECITONS. THE TANK SHALL BE CONSTRUCTED WITH CARBON STEEL IN ACCORDANCE WITH THE MOST RECENT ADDENDUM OF SECTION VIII DIVISION 1 OF THE ASME BOILER AND PRESSURE VESSEL CODE AND CONSTRUCTED AND STAMPED FOR 150 PSI WORKING PRESSURE @ 450°F. THE TANK SHALL HAVE AN INTERNAL BAFFLE.
2. PROVIDE WITH 5" INSPECTION OPENING.
3. PROVIDE WITH 3/4" NTP AUTOMATIC AIR VENT, AND 2" NPT DRAIN PLUG. AND LIFTING LUG RINGS.
4. FIELD APPLY INSULATION PER TSP WITH REMOVAL SECTION AT INSPECTION OPENING.

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FLORIDA-ALABAMA TPO		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

HVAC SCHEDULES

DWG NO. AM-606

SHEET NO.

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WATERSIDE TEMPERATURE CONTROL SEQUENCES

CHILLERS AND PUMPS:

A. SYSTEM CONTROL CONFIGURATION OVERVIEW – CONTROL OF THE SYSTEM COMPONENTS SHALL BE AS FOLLOWS:

1. ONE CHILLER IS PRIMARY AND THE OTHER IS STANDBY. PRIMARY AND STANDYBY DESIGNATION SHALL ALTERNATE BASED ON RUN HOURS. THE PLANT SHALL ONLY RUN RUN CHILLER AT A TIME.
2. THE CHILLERS SHALL RECEIVE ENABLE/DISABLE SIGNALS EITHER THROUGH A COMMAND VIA A COMMUNICATION LINK OR VIA A HARDWIRED BINARY INPUT.
3. A CHILLER BINARY OUTPUT SHALL CONTROL THE OPERATION OF THE CHILLER EVAPORATOR ISOLATION VALVE AND/OR CALL FOR PUMP OPERATION.
4. THE PUMP(S) SPEED SHALL BE MODULATED TO CONTROL THE CHILLED WATER SYSTEM SUPPLY / RETURN PRESSURE DIFFERENTIAL TO THE REQUIRED SETPOINT.
5. THE SYSTEM MINIMUM FLOW BY-PASS VALVE SHALL BE A NORMALLY OPEN VALVE.
6. THE SYSTEM MINIMUM FLOW BY-PASS VALVE SHALL BE MODULATED TO THE FULLY OPEN POSITION WHENEVER THE SYSTEM IS SHUTDOWN TO ENSURE MINIMUM FLOW AND PREVENT THE POSSIBILITY OF WATER HAMMER WHENEVER A PUMP IS STARTED.
7. THE SYSTEM MINIMUM FLOW BY-PASS VALVE POSITION SHALL BE MODULATED TO ENSURE OPERATING CHILLER'S FLOW DOES NOT DROP BELOW THE MANUFACTURER'S MINIMUM RECOMMENDED FLOW. CONTROL SHALL BE BASED ON FLOW THROUGH THE CHILLER EVAPORATOR BY MEASURING PRESSURE DROP ACROSS THE EVAPORATOR AND CALCULATING EVAPORATOR FLOW FROM MANUFACTURER'S DATA.
8. FLOW RATE FLUCTUATION THROUGH THE CHILLER SHALL NOT EXCEED 30 PERCENT OF THE DESIGN FLOW RATE PER MINUTE.
9. THE CHILLER AND CHILLED WATER PUMPS SHALL BE ENABLED WHEN ANY OF THE AIR HANDLERS ARE ENABLED. THE CHILLERS SHALL NOT START UNTIL WATER FLOW HAS BEEN PROVEN THROUGH THE EVAPORATOR BY BOTH THE DIFFERENTIAL PRESSURE SENSOR AND THE FLOW SWITCH AND THE AUXILIARY "PUMP RUN" CONTACT IN THE CHILLER. THE CHILLED WATER WILL BE MAINTAINED AT A CONSTANT 43°F BY THE INTERNAL CONTROLLERS ON THE CHILLERS. SHOULD EITHER THE DDC SYSTEM OR THE CHILLER'S CONTROLLER DETECT LOSS OF EVAPORATOR WATER FLOW, THE CHILLER SHALL BE LATCHED OUT OF OPERATION UNTIL CLEARED AT THE CHILLER'S CONTROL PANEL. LOSS OF POWER AT THE CHILLER SHALL NOT CLEAR ITS CONTROLLER'S OPERATIONAL STATUS OR CONTROL LATCHED-OUT STATES.

B. SYSTEM START/STOP – THE CHILLED WATER SYSTEM SHALL START IN RESPONSE TO A NEED FOR CHILLED WATER FROM ANY SYSTEM LOAD, WITH THE OPTION TO USE OUTSIDE AMBIENT TEMPERATURE LOCKOUT.

C. SEQUENCING – THE CHILLER PLANT CONTROL SYSTEM WILL START AND STOP THE CHILLED WATER PUMPS AND CHILLERS BASED UPON SYSTEM LOAD.

1. WHEN THE CHILLED WATER SYSTEM IS ENABLED THE CHILLER PLANT CONTROL SYSTEM SHALL:
   a. SEND AND ENABLE SIGNAL TO THE LEAD CHILLER. UPON RECEIVING THE ENABLE SIGNAL THE CHILLER SHALL ENABLE THE CHILLER EVAPORATOR ISOLATION VALVE.
   b. THE ISOLATION VALVE SHALL BE CONTROLLED TO 100% OPEN. WHEN THE ISOLATION VALVE IS CONFIRMED TO BE 100% OPEN, THE CHILLER PLANT CONTROL SYSTEM SHALL START ASSOCIATED CHILLED WATER PUMP.
   c. THE CHILLED WATER PUMP SHALL BE CONTROLLED TO MAINTAIN THE DESIGN PRESSURE SETPOINT FOR THE SYSTEM.
   d. UPON CONFIRMATION OF CHILLED WATER FLOW, THE CHILLER SHALL CONTINUE ITS PRE-START SEQUENCE AND START ITS COMPRESSOR(S).
2. THE CHILLER PLANT CONTROL SYSTEM SHALL INITIATE THE START OF THE BACKUP SYSTEM CHILLED WATER PUMP WHEN THE PRESSURE SETPOINT IS NOT MET FOR 5 MINUTES.
3. UPON SENSING A CHILLER FAILURE THE CHILLER PLANT CONTROL SYSTEM SHALL SHUT DOWN THE FAILED CHILLER IMMEDIATELY AND INITIATE THE START OF THE NEXT CHILLER IN THE ROTATION SEQUENCE.
4. THE CHILLER PLANT CONTROL SYSTEM SHALL CONTROL INDIVIDUAL CHILLER SETPOINTS TO MAINTAIN THE SYSTEM SUPPLY WATER TEMPERATURE AT SETPOINT.
5. THE DESIGN SYSTEM CHILLED WATER SETPOINT SHALL BE 43°F AND EDITABLE BY THE OPERATOR.

D. CHILLER MINIMUM FLOW BY-PASS VALVE CONTROL

1. THE CHILLER MINIMUM FLOW BY-PASS LINE AND VALVE SHALL BE SIZED TO ALLOW FOR THE MANUFACTURER'S RECOMMENDED MINIMUM FLOW, WITH ALL LOAD CONTROL VALVES CLOSED, FOR THE CHILLER WITH THE LARGEST MINIMUM FLOW RATE IN THE SYSTEM.
2. THE CHILLER MINIMUM FLOW BY-PASS VALVE" SHALL BE A NORMALLY OPEN VALVE.
3. THE "CHILLER MINIMUM FLOW BY-PASS VALVE" SHALL BE MODULATED TO THE FULLY OPEN POSITION WHEN THE SYSTEM IS SHUTDOWN. THIS SHALL BE DONE TO PREVENT WATER HAMMER WHEN A PUMP IS STARTED AND TO ALLOW FOR MINIMUM FLOW IN THE EVENT THE CHILLER CALLS FOR PUMP OPERATION.
4. FOLLOWING THE CONFIRMED START OF THE LEAD CHILLER AND WHENEVER SYSTEM IS ENABLED, THE CHILLER PLANT CONTROL SYSTEM SHALL MODULATE THE "CHILLER MINIMUM FLOW BY-PASS VALVE" SUCH THAT THE CHILLED WATER FLOW THROUGH ANY OPERATING CHILLER(S) SHALL NOT DROP BELOW THE MANUFACTURER'S RECOMMENDED MINIMUM FLOW.
5. THE CHILLER MINIMUM FLOW SHALL BE DETERMINED BASED ON THE PRESSURE DROP ACROSS THE CHILLER EVAPORATOR BARREL USING A HIGH ACCURACY PRESSURE DIFFERENTIAL SENSOR. THE DIFFERENTIAL PRESSURE SETPOINT SHALL BE DETERMINED BASED ON THE MANUFACTURER'S CHILLER PRESSURE DROP RATING CURVES.

E. SYSTEM SOFT START – THE CHILLER PLANT CONTROL SYSTEM WILL INITIATE A "SOFT START" MODE WHENEVER THE SYSTEM CHILLED WATER TEMPERATURE EXCEEDS THE SPECIFIED CHILLED WATER SYSTEM SETPOINT BY 20°F AT SYSTEM START-UP. THE CHILLER PLANT CONTROL APPLICATION WILL ADD COOLING CAPACITY DURING SOFT START MODE ONLY IF RETURN WATER TEMPERATURE IS NOT DECLINING AT A RATE OF AT LEAST 0.5°F PER MINUTE. THIS PREVENTS THE UNNECESSARY OPERATION OF CHILLERS AND LIMITS SYSTEM ELECTRICAL DEMAND DURING CHILLED WATER LOOP PULL DOWN.

F. AUTOMATIC ROTATION OF CHILLERS

1. CHILLER ROTATION SHALL BE INITIATED BASED ON AN OPERATOR ENTERED DAY INTERVAL OR BY THE CYCLING OF A BINARY POINT. THE METHOD OF SEQUENCE SHALL BE OPERATOR SELECTABLE. CHILLER CYCLING CAUSED BY NORMAL SYSTEM LOAD FLUCTUATIONS SHALL CAUSE THE CHILLERS TO CHANGE ROTATION SEQUENCE OR AT THE OPERATOR'S OPTION CHILLERS MAY BE FORCED INTO THE NEW ROTATION SEQUENCE AT THE TIME OF SEQUENCE CHANGE.

G. AIR HANDLER COIL FREEZE PROTECTION

1. IN THE EVENT THAT THE OUTDOOR AIR TEMPERATURE IS BELOW 34°F (ADJUSTABLE), THEN A SINGLE BUILDING CHILLED WATER PUMP (CHWP1 OR CHWP2) SHALL OPERATE AT 50% FLOW TO PREVENT A COIL FREEZING CONDITION. THE DDC SHALL ALARM THIS OCCURRENCE TO THE MAINTENANCE OPERATOR.
2. THE OUSIDE AIR DAMPER SHALL CLOSE AND THE RELIEF AIR FAN SHALL BE DE-ENERGIZED WHEN THE OUTSIDE AIR TEMPERATURE DROPS BELOW 38°F.

H. ALARMS

1. ALL ALARMS SHALL BE DISPLAYED AT THE HEAD END COMPUTER AND AN ALARM NOTIFICATION SHALL BE ELECTRONICALLY (EMAIL, INSTANT MESSAGE, PAGER AS DETERMINED BY OWNER) SENT TO THE OWNER'S DESIGNATED PLANT MANAGER.
2. IF AT ANYTIME, ANY TEMPERATURE SENSOR READS LESS THAN 0°F OR GREATER THAN 120° F INDICATING A POTENTIALLY FAULTY SENSOR, THE DDC SYSTEM SHALL ALARM THIS OCCURRENCE TO THE MAINTENANCE OPERATOR.
3. IF AT ANYTIME, ANY SENSOR VALUES ARE AT OR EXCEED THE LIMIT VALUES SHOWN IN THE TEMPERATURE POINTS SCHEDULE, THE DDC SYSTEM SHALL ALARM THIS OCCURRENCE TO THE MAINTENANCE OPERATOR.

I. PUMP EFFICIENCY CONTROL

1. THE CONTROLS CONTRACTOR SHALL OBTAIN PUMP CURVES FROM THE CHW PUMP MANUFACTURER, AND FLOW MAPS FOR THE CHILLERS FROM THE MANUFACTURER. WITH THESE FLOW MAPS AND PUMP CURVES, THE CONTROL CONTRACTOR SHALL CREATE A SITE SPECIFIC CHILLED WATER PUMP CONTROL ALGORITHM, WHICH SHALL ENSURE THAT CHILLED WATER FLOW AND/OR HEAD PRESSURES ARE NOT EXCEEDED OR ARE TOO SMALL FOR THE INTENDED OPERATION. SUBMIT A PRINTOUT OF THE SUPERIMPOSED CURVES AND MAPS FOR APPROVAL BY THE ENGINEER AND THE CHILLER MANUFACTURER. PROVIDE AN OPTIMIZATION ROUTINE, BASED ON THE PUMP CURVES/VFD OUTPUT TO DETERMINE AT WHAT POINT THE SECOND CHILLED WATER PUMP WILL BE ENERGIZED AGAIN. AGAIN, STRICT COMPLIANCE WITH THE LIMITATIONS OF THE CHILLER FLOW MAPS AND PUMP CURVES ARE REQUIRED.

J. CHILLER STATUS REPORT

1. PROVIDE AN OPERATING STATUS REPORT FOR EACH CHILLER. THE REPORT(S) SHALL PROVIDE THE PRESENT STATUS FOR THE FOLLOWING INFORMATION TO PROVIDE THE OPERATOR WITH CRITICAL CHILLER OPERATING DATA. AS A MINIMUM, PROVIDE:
   a. COMPRESSOR ON/OFF STATUS
   b. COMPRESSOR STARTS/RUN HOURS
   c. COMPRESSOR PHASE 1/2/3 PERCENT RLA – SEPARATE FOR EACH COMPRESSOR
   d. COMPRESSOR CURRENT DRAW – RLA PERCENT
   e. ACTIVE CHILLER DIAGNOSTICS OR ALARMS
   f. LEAVING CHILLED WATER TEMPERATURE
   g. ENTERING CHILLED WATER TEMPERATURE
   h. CHILLED WATER SETPOINT
   i. REFRIGERANT TEMPERATURE EVAPORATOR/CONDENSER
   j. OPERATING MODE

K. UPON LOSS OF POWER AND GENERATOR START-UP – PROVIDE A SEQUENCED START-UP OF ALL MOTORS. ALL MOTORS SHALL NOT START AT THE SAME TIME.

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SUITE 375
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FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

HVAC CONTROLS - CHILLED WATER PLANT SEQUENCES

DWG NO.
AM-701
SHEET NO.

6/18/2025 4:22:32 PM

NOTE:
PROVIDE HIGH ACCURACY DIFFERENTIAL PRESSURE SENSOR (0.2% AT CALIBRATED FLOW, 0.5% AT OTHER FLOW RATES). INSTALL DIFFERENTIAL PRESSURE SENSORS ACCORDING TO THE MANUFACTURER'S REQUIREMENTS.

DIFFERENTIAL PRESSURE TRANSMITTER INSTALLATION

NOT TO SCALE

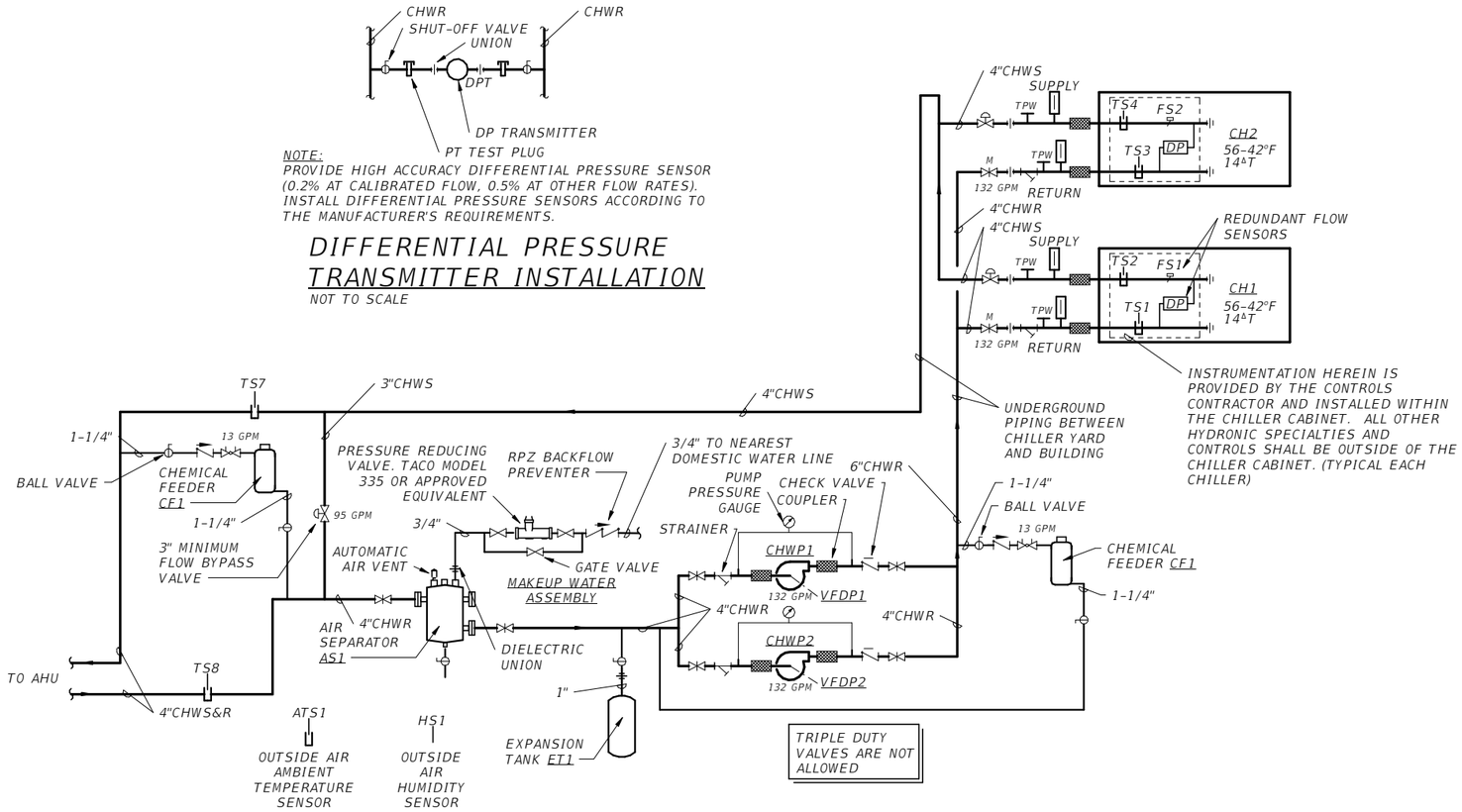
MECHANICAL LEGEND

GENERAL

- DIRECTION OF FLOW
- STRAINER
- THERMOMETER
- PRESSURE GAGE
- FM — FLOWMETER (PADDLE TYPE)
- FS — FLOW SWITCH
- FLEXIBLE PIPING CONNECTION
- PUMP
- PS — PRESSURE SENSOR
- DP — DIFFERENTIAL PRESSURE SENSOR
- TS — TEMPERATURE SENSOR
- TPW — TEMPERATURE & PRESSURE TEST WELL

VALVES

- GATE VALVE
- GLOBE VALVE
- CHECK VALVE
- BUTTERFLY VALVE (MANUAL)
- TWO POSITION CONTROL VALVE (BUTTERFLY)
- V — STRAIGHT-THRU MODULATING CONTROL VALVE
- CSV — FLOW VENTURI/CIRCUIT BALANCING VALVE
- BALL VALVE
- M — BUTTERFLY VALVE WITH MEMORY STOP(MANUAL)
- THREE-WAY MODULATING CONTROL VALVE



CHILLED WATER PIPING SCHEMATIC

NOT TO SCALE

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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

HVAC CONTROLS - CHILLED WATER PLANT SCHEMATIC

DWG NO. AM-702

SHEET NO.

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AIRSIDE TEMPERATURE CONTROL SEQUENCES

NOTE – ALL SETPOINTS, TIME DELAYS, AND TIME-OF-DAY SCHEDULES LISTED BELOW ARE USER ADJUSTABLE.

VAV AHU WITH HYDRONIC COOLING, ENERGY RECOVERY WHEEL AND EXHAUST FAN:

A. BUILDING AUTOMATION SYSTEM INTERFACE:

1. THE BUILDING AUTOMATION SYSTEM (BAS) WILL START AND STOP THE AIR HANDLER UNIT BASED ON A TIME-OF-DAY SCHEDULE AS DIRECTED BY THE OWNER. THE BAS WILL ALSO SEND THE DISCHARGE AIR TEMPERATURE SETPOINT, THE DUCT STATIC PRESSURE SETPOINT, THE RETURN AND EXHAUST AIRFLOW SETPOINT, EACH CALCULATED BY OPTIMIZATION ROUTINES IN THE BAS. IF A BAS IS NOT PRESENT, OR COMMUNICATION IS LOST WITH THE BAS THE CONTROLLER WILL OPERATE USING DEFAULT MODES AND SETPOINTS.

2. WHEN THE AIR HANDLER UNIT IS NOT RUNNING, THE MODULATING TWO WAY CHILLED WATER VALVES WILL BE OPEN. THE BAS WILL ENABLE THE AIR HANDLER SUPPLY AIR FAN. THE OUTSIDE AIR DAMPER WILL OPEN WHEN THE AIR HANDLING IS RUNNING AFTER A 20 MINUTE (ADJ.) TIME DELAY FOR MORNING WARM UP/COOL DOWN CYCLE AND WILL CLOSE WHEN THE AIR HANDLER IS DISABLED.

B. COOLING MODE:

1. IN THE COOLING MODE, THE CHILLED WATER WILL MODULATE TO MAINTAIN THE SUPPLY AIR TEMPERATURE SETPOINT INDICATED IN THE AIR HANDLER SCHEDULE AS SENSED BY THE SUPPLY AIR TEMPERATURE SENSOR. THE MODULATING DAMPERS IN THE OUTSIDE AIR DUCT AND RETURN AIR DUCT WILL MODULATE TO MAINTAIN A CONSTANT FRESH AIR SUPPLY TO THE AIR HANDLER AS INDICATED IN THE AIR HANDLER SCHEDULE.

C. DISCHARGE AIR TEMPERATURE RESET CONTROL:

1. THE DISCHARGE AIR TEMPERATURE SETPOINT WILL BE RESET TO THE OPTIMAL SETPOINT COMMUNICATED BY THE BAS. THE BAS WILL RESET THE DISCHARGE AIR TEMPERATURE SETPOINT BASED ON THE CURRENT OUTSIDE DRY-BULB TEMPERATURE, BUT WILL OVERRIDE THIS RESET FUNCTION AND RETURN THE DISCHARGE AIR TEMPERATURE SETPOINT TO 55 °F (ADJ.) IF EITHER 1) TWO (ADJ.) OR MORE ZONES BEGIN TO OVERHEAT, OR 2) THE OUTDOOR DEW POINT IS HIGHER THAN 60 °F (ADJ.).

2. IF THE DISCHARGE AIR TEMPERATURE DROPS BELOW THE MINIMUM LIMIT, A LOW TEMPERATURE ALARM WILL BE ANNUNCIATED AND THE AHU WILL SHUT DOWN. IF THE DISCHARGE AIR TEMPERATURE RISES ABOVE THE MAXIMUM LIMIT, A HIGH TEMPERATURE ALARM WILL BE ANNUNCIATED.

D. DISCHARGE DUCT STATIC PRESSURE CONTROL:

1. THE VARIABLE FREQUENCY DRIVE ON THE SUPPLY AIR FAN WILL MODULATE THE SUPPLY AIR VOLUME TO MAINTAIN A CONSTANT PRESSURE AT THE DUCT STATIC PRESSURE SENSORS (TWO PER SYSTEM). ONE OF DUCT STATIC PRESSURE SENSOR WILL BE LOCATED AT THE DISCHARGE OF THE AIR HANDLER AND THE OTHER WILL BE LOCATED AT 2/3RDS DOWN OF THE LONGEST RUN. THE DUCT STATIC PRESSURE SETPOINT WILL BE RESET TO THE OPTIMAL SETPOINT COMMUNICATED BY THE BAS. THE BAS WILL RESET THE DUCT STATIC PRESSURE SETPOINT BASED ON THE POSITION OF THE FURTHEST OPEN VAV DAMPER.

E. SUPPLY AND EXHAUST FAN OPERATION:

1. WHEN THE AIR HANDLER UNIT IS RUNNING, THE SUPPLY FAN WILL OPERATE CONTINUOUSLY AND ITS SPEED WILL BE MODULATED TO MAINTAIN THE DUCT STATIC PRESSURE SETPOINT. THE DUCT STATIC PRESSURE SETPOINT WILL BE SENT BY THE BAS AND IS RESET BETWEEN THE MINIMUM AND MAXIMUM STATIC PRESSURE LIMITS TO MAINTAIN THE CRITICAL ZONE VAV AIR DAMPER IN A POSITION BETWEEN 65% AND 75% OPEN.

2. A CURRENT SENSING SWITCH WILL MONITOR THE RUNNING STATUS OF EACH FAN. IF THE FAN FAILS TO PROVE STATUS AFTER 30 SECONDS (ADJ.), THE FAN WILL BE COMMANDED OFF, THE OUTSIDE AIR DAMPER WILL CLOSE, CHILLED WATER VALVE WILL OPEN, EXHAUST FAN WILL BE DISABLED AND AN ALARM WILL BE ANNUNCIATED AT THE BAS. A MANUAL RESET WILL BE REQUIRED TO RESTART THE FANS. A HARDWIRED, HIGH STATIC PRESSURE CUT-OFF SWITCH WILL BE ELECTRICALLY INTERLOCKED WITH THE VARIABLE SPEED DRIVE. IF THE HIGH STATIC PRESSURE CUT-OFF SWITCH IS TRIPPED THE FAN WILL STOP, THE OUTSIDE AIR DAMPER WILL CLOSE, CHILLED WATER VALVE WILL OPEN AND AN ALARM WILL BE ANNUNCIATED AT THE BAS. A MANUAL RESET OF THE HIGH STATIC PRESSURE CUT-OFF SWITCH WILL BE REQUIRED TO RESTART THE FAN.

F. CRITICAL VAV ZONE RESET / FAN PRESSURIZATION OPTIMIZATION:

1. THE BUILDING AUTOMATION SYSTEM (DDC SYSTEM) SHALL CONTINUOUSLY MONITOR THE DAMPER POSITION OF ALL VAV TERMINAL UNITS IN A VAV AIR SYSTEM. A VAV AIR SYSTEM IS A GROUP OF VAV BOXES WORKING WITH ONE AIR HANDLING UNIT. THE DISCHARGE DUCT STATIC PRESSURE SHALL BE SENSED DIRECTLY AT THE DISCHARGE OF EACH AIR HANDLER. THE SENSOR MUST BE MOUNTED IN A NON-TURBULENT LOCATION.

2. WHEN ANY VAV DAMPER IS MORE THAN 75% (ADJ.) OPEN, THE SUPPLY FAN DISCHARGE DUCT STATIC PRESSURE SETPOINT SHALL BE RESET UPWARD BY 0.1 IN W.C. (ADJ.), AT A FREQUENCY OF 5 MINUTES (ADJ.), UNTIL NO DAMPER IS MORE THAN 75% OPEN OR THE STATIC PRESSURE SETPOINT HAS RESET UPWARD TO THE SYSTEM'S EXTERNAL STATIC PRESSURE VALUE (SHOWN IN THE AIR HANDLER SCHEDULE) OR THE AHU VARIABLE-FREQUENCY DRIVE IS AT THE MAXIMUM SPEED SETTING.

3. WHEN ALL VAV DAMPERS ARE LESS THAN 65% (ADJ.) OPEN, THE SUPPLY FAN DISCHARGE DUCT STATIC PRESSURE SETPOINT SHALL BE RESET DOWNWARD BY 0.1 IN W.C.(ADJ.), AT A FREQUENCY OF 5 MINUTES (ADJ.), UNTIL AT LEAST ONE DAMPER IS MORE THAN 65% OPEN OR THE STATIC PRESSURE SETPOINT HAS RESET DOWNWARD TO THE SYSTEM MINIMUM DUCT STATIC PRESSURE SETPOINT OR THE AHU VARIABLE-FREQUENCY DRIVE IS AT THE MINIMUM SPEED SETTING (15% OF 60HZ).

4. THE CONTROL BANDS, SETPOINT INCREMENT VALUES, SETPOINT DECREMENT VALUES AND ADJUSTMENT FREQUENCIES SHALL BE ADJUSTED TO MAINTAIN MAXIMUM STATIC PRESSURE OPTIMIZATION WITH STABLE SYSTEM CONTROL AND MAXIMUM COMFORT CONTROL.

5. THE DDC SYSTEM SHALL HAVE THE CAPABILITY TO ALLOW THE OPERATOR TO EXCLUDE "PROBLEM" ZONES THAT SHOULD NOT BE CONSIDERED WHEN DETERMINING THE OPTIMIZED SETPOINT.

6. THE DDC SYSTEM SHALL ALSO READ THE STATUS OF THE SUPPLY AIR STATIC PRESSURE SENSOR AND DISPLAY THE ACTIVE DUCT STATIC PRESSURE READING ON THE STATUS SCREEN.

7. THE DDC SYSTEM SHALL DISPLAY THE VAV BOX TAG THAT SERVES THE CRITICAL ZONE (THAT IS, THE ZONE WITH THE MOST WIDE-OPEN VAV DAMPER), ALONG WITH SUPPLY FAN DISCHARGE STATIC PRESSURE. THIS INFORMATION SHALL UPDATE DYNAMICALLY AS THE LOCATION OF THE CRITICAL ZONE CHANGES BASED ON BUILDING LOAD, AND DUCT STATIC PRESSURE SETPOINT OPTIMIZATION CONTROL.

G. DEHUMIDIFICATION MODE:

1. WHEN THE RETURN AIR HUMIDITY EXCEEDS 55% RH AS SENSED BY THE RETURN AIR HUMIDITY SENSOR, CHILLED WATER CONTROL VALVE WILL MODULATE TO MAINTAIN THE LEAVING COIL TEMPERATURE AS INDICATED IN THE AIR HANDLER SCHEDULE. THE SILICON CONTROLLED RECTIFIER (SCR) HEATER AT THE VAV BOXES WILL MODULATE TO MAINTAIN SPACE TEMPERATURE SETPOINT IN THE ZONES. THE CHILLED WATER CONTROL VALVE WILL CLOSE WHEN THE SPACE HUMIDITY IS SATISFIED.

A. OUTDOOR AIR FLOW CONTROL SEQUENCE:

1. THE OUTDOOR AIR DAMPER MODULATES TO MAINTAIN THE OUTDOOR AIR FLOW SETPOINT DETERMINED BY THE DEMAND CONTROL VENTILATION SEQUENCE. SEE MINIMUM / MAXIMUM VENTILATION RATE TABLE ON THE AIRFLOW SCHEMATIC.

B. DEMAND CONTROL VENTILATION:

1. EVERY 15 MINUTES (ADJ), THE OUTDOOR AIR FLOW AND RELIEF AIR FLOW SETPOINT RESETS WITHIN THE MINIMUM AND MAXIMUM LIMITS.

2. IF RETURN AIR CO2 PPM IS BELOW 1,100 PPM (ADJ), THE OUTDOOR AIR FLOW AND RELIEF AIR FLOW SETPOINT DECREASES IN INCREMENTS OF 100 CFM (ADJ). OUTDOOR AIR DAMPER SHALL MODULATE AND RELIEF FAN VFD SHALL MODULATE TO MAINTAIN NEW SETPOINT.

3. IF RETURN AIR CO2 PPM IS ABOVE 1,100 PPM (ADJ), THE OUTDOOR AIR FLOW AND RELIEF AIR FLOW SETPOINT INCREASES IN INCREMENTS OF 100 CFM (ADJ). OUTDOOR AIR DAMPER SHALL MODULATE AND RELIEF FAN VFD SHALL MODULATE TO MAINTAIN NEW SETPOINT.

4. ON UNIT STARTUP, THE VENTILATION RATE SHALL BE RESET TO THE BASE VENTILATION RATE. SEE MINIMUM / MAXIMUM VENTILATION RATE TABLE ON THE AIRFLOW SCHEMATIC.

C. VARIABLE AIR VOLUME TERMINAL BOXES:

1. THE DDC SYSTEM SHALL MONITOR AIR VOLUME THROUGH THE BOX AND SUPPLY AIR TEMPERATURE AFTER THE HEATING COIL. THE VAV BOXES SHALL BE CONTINUOUSLY CONTROLLED AND MONITORED FROM THE EMS.

2. THE VARIABLE AIR VOLUME DAMPER SHALL MODULATE FROM FULLY OPEN AT 76°F (ADJUSTABLE) TO THE MINIMUM POSITION AT 74°F (ADJUSTABLE) IN THE COOLING MODE. THE VARIABLE AIR VOLUME DAMPER SHALL CLOSE TO THE MINIMUM (FOR HEATING) AIR VOLUME AS SCHEDULED. THE SCR AT THE HEATER SHALL MODULATE TO MAINTAIN THE SPACE HEATING TEMPERATURE AT 68°F (ADJUSTABLE).

3. FOR BOXES SERVING A SINGLE SPACE WITH A SINGLE THERMOSTAT: THE VARIABLE AIR VOLUME DAMPER SHALL MODULATE BASED UPON THE READINGS MEASURED AT THE SPACE THERMOSTAT.

4. FOR BOXES SERVING MULTIPLE SPACES WITH MULTIPLE THERMOSTATS:

   a. THE DDC SYSTEM SHALL CALCULATE A WEIGHTED ZONE TEMPERATURE OF SPACE TEMPERATURES FOR THE ROOMS THAT ARE OCCUPIED IN THE GIVEN ZONE. WEIGHTING SHALL BE PROPORTIONED BASED ON AIRFLOW WHERE;

   ((OCCUPIED SPACE TEMP1 X SPACE1 MAXIMUM CFM) + (OCCUPIED SPACE TEMP2 X SPACE2 MAXIMUM CFM) +...) / SUM OF OCCUPIED SPACE MAXIMUM CFMS = WEIGHTED ZONE TEMP.

   b. THE BOX SHALL MODULATE THE DAMPER POSITION AND MODULATE THE SCR AT THE HEATER TO MAINTAIN THE WEIGHTED ZONE TEMPERATURE AS INDICATED IN E.2 ABOVE.

K. OCCUPIED OR UNOCCUPIED SPACE STATUS SHALL BE DETERMINED BY THE STATUS OF THE SPACE OCCUPANCY SENSOR (PROVIDED BY THE ELECTRICAL CONTRACTOR). REFER TO ELECTRICAL DRAWINGS AND COORDINATE WITH THE ELECTRICAL CONTRACTOR.

L. ENERGY RECOVERY WHEEL:

1. ENERGY RECOVERY MODE: THE RELIEF FAN (RFX) SHALL BE INTERLOCKED TO RUN WHENEVER THE AIR HANDLER (AHX) SUPPLY FAN RUNS AND THE OUTSIDE AIR AND RELIEF AIR DAMPERS HAVE BEEN VERIFIED TO BE OPEN.

M. FILTER STATUS:

1. A DIFFERENTIAL PRESSURE SWITCH WILL MONITOR THE DIFFERENTIAL PRESSURE ACROSS THE FILTER WHEN THE FAN IS RUNNING. IF THE SWITCH CLOSES DURING NORMAL OPERATION A DIRTY FILTER ALARM WILL BE ANNUNCIATED AT THE BAS.

N. UPON LOSS OF POWER AND GENERATOR START-UP:

1. PROVIDE A SEQUENCED START-UP OF ALL MOTORS. ALL MOTORS SHALL NOT START AT THE SAME TIME.

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No.	Date	Issue / Revision

STEPHEN R. FORKNER, PE
PE 80532

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607
ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

HVAC CONTROLS - AIRSIDE SEQUENCES

DWG NO. AM-703

SHEET NO.

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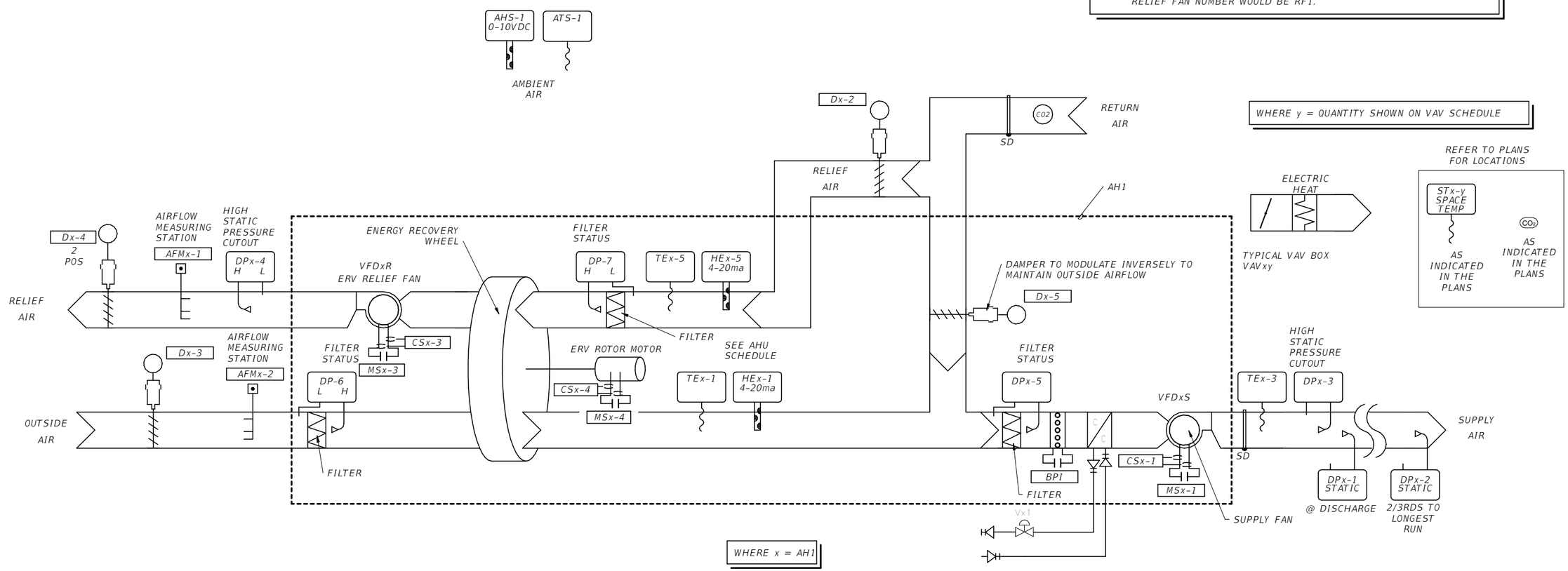
DEMAND LOAD VENTILATION MINIMUM / MAXIMUM AIRFLOW				
AIR HANDLING UNIT	BASELINE		MAXIMUM OUTDOOR AIRFLOW (CFM)	MAXIMUM RELIEF AIRFLOW (CFM)
	MINIMUM OUTDOOR AIRFLOW (CFM)	MINIMUM RELIEF AIRFLOW (CFM)		
AH1	1,300	60	2,980	1,740

- ALL SETPOINTS, TIME DELAYS, AND TIME-OF-DAY SCHEDULES LISTED BELOW SHALL BE USER ADJUSTABLE.
- WHERE THE SUBSCRIPT (X) IS USED FOR DEVICES (SUCH AS FANS, DAMPERS, SENSORS, ETC.), SUBSTITUTE THE AIR HANDLER NUMBER. FOR EXAMPLE, IF AH1 IS SERVED BY A RELIEF FAN RFX, THEN THE RELIEF FAN NUMBER WOULD BE RF1.



AIRSIDE FLOW SCHEMATIC (AH1)

NOT TO SCALE

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STEPHEN R. FORKNER, PE
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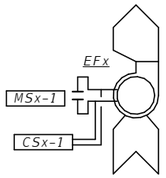
TEMPERATURE CONTROLS POINT SCHEDULE

SYSTEM / POINT DESCRIPTION	HARDWARE: OUTPUT DIGITAL: CONTROL RELAY	SOLENOID E/P	CONTACTOR (AS REQ'D.)	TRI-STATE	PNEUMATIC TRANSDUCER	ELECTRICAL TRANSDUCER	OUTPUT ANALOG: 4-20 mA MODULE	0-10 VDC	PRESSURE SWITCH	FLOW SWITCH	SWITCH CLOSURE	INPUT DIGITAL: AUXILLARY CONTACT	KW	CURRENT RELAY	TEMPERATURE	RELATIVE HUMIDITY	PRESSURE SENSOR	POSITION	CO2	GPM	CURRENT SENSOR	EQUIPMENT STATUS	MAINTENANCE	SOFTWARE: ALARMS DIGITAL: HIGH LIMIT	LOW LIMIT	RUN TIME	ALARMS ANALOG: SCHEDULED START/STOP	OPTIMUM START/STOP	DUTY CYCLING	DEMAND LIMITING	DAY/NIGHT SETBACK	ECONOMIZER	DEMAND LOAD VENTILATION	TEMPERATURE CONTROL	ENTHALPY	HOT/COLD DECK RESET	REHEAT COIL RESET	STEAM BOILER OPTIMIZATION	HOT WATER BOILER OPTIMIZATION	HW DA RESET	CHILLER OPTIMIZATION	CHILLED WATER RESET	CONDENSER WATER RESET	CHILLER DEMAND LIMIT	VAV CONTROL	LIGHTING CONTROL	DDC SYSTEM FUNCTIONS: NOTES
SINGLE PATH VAV SYSTEM (AHx)																																														
AHx RETURN AIR TEMP (TEx-1)															X									80°F	65°F																					3
AHx RETURN HUMIDITY (HEx-1)															X									61%																					
AHx CHILLED WATER VALVE (Vx-1							X																																						
AHx SUPPLY FAN STATUS (CSx-1)													X								X	X																							
AHx SUPPLY START/STOP (MSx-1)	X	X																								X	X																		2
AHx SUPPLY FAN VARIABLE FREQUENCY DRIVE (AOx-1)						X																																						
AHx UNIT LVG AIR TEMP (TEx-3)															X									57°F																					
AHx RETURN AIR MODULATING DAMPER (Dx-5)				X		X									X																												
AHx OUTSIDE AIR MODULATING DAMPER (Dx-3)				X		X																																				
AHx OUTSIDE AIRFLOW CFM (AFMx-2)																						X																						
AHx DUCT STATIC PRESSURE (Px-1)																	X																											7,10
AHx DUCT STATIC PRESSURE (Px-2)																	X																											10
AHx RELIEF AIR DAMPER (Dx-2)				X		X																																					
AHx RELIEF AIR AIRFLOW (AFMx-1)																						X																						
AHx RELIEF AIR TEMP (TEx-5)															X																													
AHx RELIEF AIR HUMIDITY (HEx-1)															X									61%																					
AHx RELIEF AIR DAMPER (Dx-4)				X		X																																					
AHx RELIEF FAN START/STOP (MSx-3)	X	X																								X	X																		2
AHx RELIEF FAN STATUS (CSx-3)													X								X	X																						
AHx RELIEF FAN VARIABLE FREQUENCY DRIVE (AOx-2)						X																																						
AHx ERV MOTOR START/STOP (MSx-4)	X	X																								X	X																		2
AHx ERV MOTOR STATUS (CSx-4)													X								X	X																						
AHx MIXED AIR FILTER STATUS (DPx-5)								X														X																						
AHx RELIEF AIR FILTER STATUS (DPx-6)								X														X																						
AHx OUTDOOR AIR FILTER STATUS (DPx-7)								X														X																						
AHx RELIEF HIGH SP CUTOUT (DPx-4)								X														X																						
AHx SUPPLY HIGH SP CUTOUT (DPx-3)								X														X																						
AHx BIPOLAR IONIZATION UNIT STATUS (BP1)	X	X																																										
															X																														
VAVy VAV ZONE TEMP SENSOR (# POINTS)					X																																							
VAVy VAV BOX DAMPER (# POINTS)		X																																										
VAVy VAV BOX HEATER (# POINTS)											X																																	
EFx START/STOP (MSx-1)	X	X																								X																		4
EFx STATUS (CSx-1)																						X	X																					
CENTRAL PLANT CONTROLS																																												
CHWP1 (ON/OFF)		X																																									
CHWP1 STATUS																						X	X																					2
VFDP1 VARIABLE FREQUENCY DRIVE						X																																						
CHWP2 (ON/OFF)		X																																									
CHWP2 STATUS																						X	X																					2
VFDP2 VARIABLE FREQUENCY DRIVE						X																																						
PLANT CHWS TEMP SENSOR (TS7)															X									57°F	36°F																					
PLANT CHWR TEMP SENSOR (TS8)															X									57°F	39°F																					
CH1 CHWS TEMP SENSOR (TS1)															X										39°F																					
CH1 CHWR TEMP SENSOR (TS2)															X										39°F																					
CHILLER CH1 FLOW SWITCH (FS1)																						X																						
CHILLER CH1 DIFFERENTIAL PRESSURE SWITCH (DP1)																						X																						
ALARM FROM CHILLER CH1 CONTROLLER INTERFACE																						X																						6
CHILLER CH1 AUXILIARY "PUMP RUN" CONTACT																																												6
CH2 CHWS TEMP SENSOR (TS3)															X										39°F																					
CH2 CHWR TEMP SENSOR (TS4)															X										39°F																					
CHILLER CH2 FLOW SWITCH (FS2)																						X																						
CHILLER CH2 DIFFERENTIAL PRESSURE SWITCH (DP2)																						X																						
ALARM FROM CHILLER CH2 CONTROLLER INTERFACE																						X																						6
OUTSIDE AMBIENT TEMP (ATS1)															X																													
AMBIENT AIR HUMIDITY (AHS1)															X																													

FOR EACH AIR HANDLER UNIT WHERE x = 1

FOR EACH VAV BOX

FOR EACH FAN INDICATED IN THE SCHEDULE



EXHAUST FAN

NOTES:

1. PROVIDE STARTING RELAY AND CONTACTOR IN CONTROL PANEL RATED FOR MOTOR LOAD.
2. ROUTE CIRCUIT THROUGH THE MOTOR STARTER.
3. REMOTE BULB THERMOSTAT WITH BULB IN RA DUCT. THERMOSTAT LOCATION INDICATED ON PLANS.
4. REFER TO FAN SCHEDULE NOTE 3 TO IDENTIFY APPLICABLE POINTS.
5. PROVIDE OPEN PROTOCOL INTERFACE AND ALL HARDWARE TO ALLOW FULL USER INTERFACE BETWEEN DIGITAL CHILLER CONTROL PANEL AND CAMPUS DDC SYSTEM.
6. DDC SYSTEM TO COMMUNICATE WITH CHILLER'S INTERFACE AND AUXILIARY CONTACT. INTERFACE AND AUXILIARY CONTACT PROVIDED WITH CHILLER.
7. PROVIDE HARD-WIRE BASED HIGH LIMIT STATIC PRESSURE CONTROL TO SHUT DOWN THE FAN IF THE DUCT STATIC PRESSURE EXCEEDS THE RATING OF THE DUCTWORK. PROVIDE HIGH PRESSURE EMERGENCY SENSOR IN THE SUPPLY DUCT THAT WILL DE-ENERGIZE THE AIR HANDLER WHEN EXCESSIVE AIR PRESSURE OCCURS. I.E. ALL VAV BOXES CLOSE AND THE VFD HAS A PROBLEM. PROVIDE A YELLOW JEWELED LIGHT RESTART SWITCH ADJACENT TO THE VFD. THE RESTART SWITCH SHALL HAVE A SIGN THAT READS, "DUCT HIGH PRESSURE FAULT RESET. LIGHT ON INDICATES FAULT".
8. CHILLER START COMMAND SHALL BE VIA SOFTWARE AND BINARY INPUT.
9. PROVIDE CURRENT TRANSDUCER ON POWER CIRCUIT. SHALL BE USED TO DETERMINE AMPS.
10. REFER TO SCHEMATIC DIAGRAMS FOR AIR SYSTEM DUCT STATIC PRESSURE SENSOR(S) REQUIREMENTS.

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FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

HVAC CONTROLS - POINT SCHEDULE

DWG NO. AM-705

SHEET NO.

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6/19/2025 8:35:33 AM

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION	MOUNTING
XX F	FIRE ALARM STROBE XX = CANDELA RATING, MINIMUM 75 CANDELA U.O.N.	TOP 6" BELOW CEILING OR 80" TO BOTTOM OF LENS A.F.F. WHICHEVER IS LOWER
XX F	FIRE ALARM COMBINATION SPEAKER/STROBE, LETTER IN CIRCLE INDICATES TYPE: B=BELL, H=HORN, S=SPEAKER. XX = CANDELA RATING, MINIMUM 75 CANDELA U.O.N.	TOP 6" BELOW CEILING OR 80" TO BOTTOM OF LENS A.F.F. WHICHEVER IS LOWER
S F	FIRE ALARM HORN/SPEAKER, LETTER IN CIRCLE INDICATES TYPE: B=BELL, C=CHIME, H=HORN, S=SPEAKER WP=WEATHERPROOF TYPE	TOP 6" BELOW CEILING OR 80" TO CTR. A.F.F. WHICHEVER IS LOWER EXTERIOR HORNS MOUNTED AT 96" AFF
F S	FIRE ALARM SPEAKER WITH STROBE. XX = CANDELA RATING, MINIMUM 75 CANDELA U.O.N. YY = SPEAKER WATTAGE, MINIMUM 1/2 WATT U.O.N.	RECESSED CEILING MOUNTED OR SURFACE MOUNTED WHEN INDICATED WITH (SUR)
F	FIRE ALARM MANUAL PULL STATION	M.H. 48" AFF TO TOP
F RI	FIRE ALARM REMOTE INDICATOR	M.H. 48" AFF TO TOP
F FS	FIRE ALARM FLOW SWITCH	AS NOTED
F TS	FIRE ALARM TAMPER SWITCH	AS NOTED
F D	FIRE ALARM MAGNETIC DOOR HOLDER COORDINATE MOUNTING HEIGHT WITH DOOR SUPPLIER	WALL MOUNTED
F S	FIRE ALARM SMOKE DETECTOR	CEILING MOUNTED
F SD	FIRE ALARM DUCT MOUNTED SMOKE DETECTOR	DUCT MOUNTED (SEE MECH DWGS.)
F H	FIRE ALARM HEAT DETECTOR	CEILING MOUNTED
F R	FIRE ALARM CONTROL RELAY (AIR HANDLER SHUTDOWN SOLENOID VALVE, ETC.)	M.H. 60" A.F.F. TO BOTTOM OR AS NOTED
FATC	FIRE ALARM TERMINAL CABINET - MIN. 18"x18"x6" WITH HINGED LOCKABLE COVER	M.H. 6'-0" A.F.F. TO TOP
FACP	FIRE ALARM CONTROL PANEL	M.H. 6'-0" A.F.F. TO TOP
FAEC	FIRE ALARM POWER EXPANDER/POWER SUPPLY PANEL	M.H. 6'-0" A.F.F. TO TOP
FAVP	FIRE ALARM ANNUNCIATOR PANEL WITH VOICE CONTROL COMMAND STATION	M.H. 6'-0" A.F.F. TO TOP
	FIRE ALARM SYSTEM END OF LINE RESISTOR	SEE FIRE ALARM RISER

THIS IS A STANDARD LEGEND. NOT ALL DEVICES SHOWN ARE USED IN THESE DOCUMENTS.

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ELECTRICAL LEGEND

SYMBOL	DESCRIPTION	MOUNTING
	BRANCH CIRCUIT CONDUIT AND WIRE CONCEALED ABOVE CEILING OR BEHIND FINISHED WALL	N/A
	BRANCH CIRCUIT CONDUIT AND WIRE CONCEALED BELOW FINISHED FLOOR OR UNDERGROUND.	N/A
	RACEWAY EXPOSED ON WALL OR CEILING	N/A
LA-1,3,5 EG IG	HOMERUN TO PANELBOARD - LETTER INDICATES PANEL, NUMBER INDICATES CIRCUIT, MINIMUM 3/4" CONDUIT. NOTE: ANY HOMERUN WITHOUT FURTHER DESIGNATION INDICATES TWO #12 AWG AND #12 AWG EQUIPMENT GROUND. DEDICATED CIRCUIT REQUIRES SEPARATE NEUTRAL	N/A
	CONDUIT CAPPED	N/A
	120/208 VOLT POWER PANELBOARD	M.H. 6'-0" TO TOP OR AS NOTED
	277/480 VOLT POWER PANELBOARD	M.H. 6'-0" TO TOP OR AS NOTED
	NON-FUSIBLE SWITCH	M.H. 6'-0" TO TOP OR AS NOTED
	FUSIBLE SAFETY SWITCH	M.H. 6'-0" TO TOP OR AS NOTED
	MOTOR CONNECTION	AS NOTED
	SWITCHED DUPLEX RECEPTACLE - 120VAC	M.H. 16" AFF TO BOTTOM OR AS NOTED
	DUPLEX RECEPTACLE - 120VAC	M.H. 42" AFF TO BOTTOM OR AS NOTED
	DOUBLE DUPLEX RECEPTACLE - 120VAC	
WP	DUPLEX RECEPTACLE - 120VAC. LETTER NEXT TO DEVICE INDICATES THE FOLLOWING: 'WP' = WEATHERPROOF TYPE. 'GFI' = GROUND FAULT PROTECTION TYPE. 'DL' = DAMP LOCATION WEATHERPROOF COVER (NOT IN USE TYPE) 'AFCI' = ARC FAULT CIRCUIT INTERRUPTER	M.H. 16" AFF TO BOTTOM OR AS NOTED
	DUPLEX RECEPTACLE - 120VAC, ON UPS	M.H. 16" AFF TO BOTTOM OR AS NOTED
	DOUBLE DUPLEX RECEPTACLE - 120VAC, ON UPS	M.H. 16" AFF TO BOTTOM OR AS NOTED
	DOUBLE DUPLEX RECEPTACLE - 120VAC MOUNTED ON THE FLOOR, BELOW RAISED FLOOR IN JUNCTION BOX (TYP) - ON UPS	FLOOR MOUNTED BELOW RAISED FLOOR
	COMBINATION COMMUNICATION/POWER FLOOR BOX. ROUND FULLY ADJUSTABLE, DEEP, TWO-GANG WITH BRASS FLANGE; 20 AMP, 120 VAC. DUPLEX RECEPTACLE, 1" CONDUIT WITH PULL CORD TO ACCESSIBLE CEILING FOR DATA OUTLET. REFER TO THE TECHNOLOGY DRAWINGS FOR DATA CABLING AND OUTLET REQUIREMENT.	RECESSED IN FLOOR
	FLUSH FLOOR OUTLET, DUPLEX RECEPTACLE ROUND, FULLY ADJUSTABLE, DEEP, SINGLE-GANG WITH BRASS FLANGE	RECESSED IN FLOOR
H	JUNCTION BOX OR OUTLET BOX, 4" SQUARE BOX, FOR HAND DRYER ELECTRICAL CONNECTION.	M.H. 42" AFF TO BOTTOM

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION	MOUNTING
A / A	LED PENDANT MOUNTED LUMINAIRE, LETTER INDICATES TYPE. SHADED INDICATES ON EMERGENCY BRANCH CIRCUIT.	PENDANT MTD - SEE LUMINAIRE SCHEDULE
B a / B a	LED LUMINAIRE, LETTER INDICATES TYPE. SHADED INDICATES ON EMERGENCY BRANCH CIRCUIT. a = SWITCH DESIGNATION	CEILING - SEE LUMINAIRE SCHEDULE
C / C	LED RECESSED DOWNLIGHT LUMINAIRE, LETTER INDICATES TYPE. SHADED INDICATES ON EMERGENCY BRANCH CIRCUIT.	CEILING - SEE LUMINAIRE SCHEDULE
D / D	LED STRIP LIGHT, LETTER INDICATES TYPE. SHADED INDICATES ON EMERGENCY BRANCH CIRCUIT.	CEILING OR WALL SEE LUMINAIRE SCHEDULE
F / F	LED PENDANT MOUNTED LUMINAIRE, LETTER INDICATES TYPE. SHADED INDICATES ON EMERGENCY BRANCH CIRCUIT.	PENDANT MTD - SEE LUMINAIRE SCHEDULE
G / G	LED RECESSED LUMINAIRE, LETTER INDICATES TYPE. SHADED INDICATES ON EMERGENCY BRANCH CIRCUIT.	CEILING - SEE LUMINAIRE SCHEDULE
SA	SINGLE HEAD POLE MOUNTED LED SITE LUMINAIRE, LETTER INDICATES TYPE.	POLE MOUNTED - SEE LUMINAIRE SCHEDULE
SB	POLE MOUNTED LED SITE LUMINAIRE WITH DUAL HEADS, LETTER INDICATES TYPE.	POLE MOUNTED - SEE LUMINAIRE SCHEDULE
W	WALL MOUNTED LED LUMINAIRE, LETTER INDICATES TYPE	WALL - SEE LUMINAIRE SCHEDULE
X	EXIT LIGHT ON EMERGENCY BRANCH CIRCUIT, LETTER INDICATES TYPE SINGLE OR DUAL FACED AS INDICATED ON DRAWINGS	SEE LUMINAIRE SCHEDULE
VS	LOW VOLTAGE (0-10 VOLT) OCCUPANCY SENSOR, VACANCY TYPE (MANUAL ON/AUTO OFF). PROVIDE WIDER RANGE DEVICES WHEN NECESSARY.	CEILING MOUNTED
OS	OCCUPANCY SENSOR (AUTO ON/AUTO OFF), LINE VOLTAGE (120/277V)	CEILING MOUNTED
$a	SINGLE POLE SWITCH (120/277V), LETTER INDICATES FIXTURE GROUPING BY SWITCH	M.H. 48" AFF TO TOP
$3a	THREE WAY SWITCH (120/277V), LETTER INDICATES FIXTURE GROUPING BY SWITCH	M.H. 48" AFF TO TOP
$Ka	SINGLE POLE SWITCH (120/277V), KEY OPERATED. LETTER INDICATES FIXTURE GROUPING BY SWITCH	M.H. 48" AFF TO TOP
$M	MOTOR/HP RATED TOGGLE SWITCH SIZED PER MOTOR MANUFACTURER'S RECOMMENDATION, MINIMUM 20 AMP.	SURFACE, ADJACENT TO OR ON MOTOR
$OS	LINE VOLTAGE (120/277 VOLT) SWITCH WITH INTERGRAL OCCUPANCY SENSOR (AUTO ON/AUTO OFF)	M.H. 48" AFF TO TOP
	PUSH-BUTTON DIMMER SWITCH, ON/OFF/DIMMING - 0-10V. LED DIMMER SHALL BE COMPATIBLE WITH LED DRIVER AND OCCUPANCY SENSOR.	M.H. 48" AFF TO TOP
3	MULTI-WAY PUSH-BUTTON DIMMER SWITCH, ON/OFF/DIMMING (MULTI-WAY APPLICATION WITH NON-DIMMING UNITS ONLY) 0-10V LED DIMMER SHALL BE COMPATIBLE WITH LED DRIVER AND OCCUPANCY SENSOR.	M.H. 48" AFF TO TOP
a	LOW VOLTAGE LIGHTING CONTROL WALL SWITCH. PUSH BUTTON ON/OFF, STAINLESS STEEL COVERPLATE. COORDINATE WITH THE OCCUPANCY SENSOR. LETTER INDICATES FIXTURE GROUPING BY SWITCH	M.H. 48" AFF TO TOP
3a	LOW VOLTAGE MULTI-WAY LIGHTING CONTROL WALL SWITCH (e.g. 3-WAY). PUSH BUTTON ON/OFF, STAINLESS STEEL COVERPLATE. COORDINATE WITH THE OCCUPANCY SENSOR. LETTER INDICATES FIXTURE GROUPING BY SWITCH	M.H. 48" AFF TO TOP

ELECTRICAL GENERAL NOTES:

(THESE NOTES APPLY TO ALL SHEETS)

1. ALL ELECTRICAL WORK SHALL MEET ALL OF THE REQUIREMENTS OF THE FOLLOWING:
   - A. FLORIDA BUILDING CODE (FBC) 8TH EDITION (2023) (EFFECTIVE DECEMBER 31,2023): THIS CODE INCLUDES THE 2023 FBC BUILDING, MECHANICAL, PLUMBING, ENERGY CONSERVATION, FUEL GAS, ACCESSIBILITY, AND TEST PROTOCOLS VOLUMES. FURTHER, SEE "REFERENCED STANDARDS" IN THE FBC BUILDING CHAPTER 35; FBC MECHANICAL CHAPTER 15; FBC PLUMBING CHAPTER 15; FBC ENERGY CONSERVATION CHAPTER 6; AND FBC FUEL GAS CHAPTER 8).
   - B. 8TH EDITION OF THE FLORIDA FIRE PREVENTION CODE (FFPC): (THIS CODE ALSO INCLUDES THE FLORIDA VERSIONS OF NFPA 1 AND NFPA 101.) (EFFECTIVE DECEMBER 31, 2023).
   - C. 2020 NATIONAL ELECTRIC CODE.
   - D. FDOT BUILDING FACILITIES DESIGN MANUAL 625-020-016-F - REVISED MAY 2020.
2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE AND VERIFY THE EXISTING CONDITIONS TO GAIN KNOWLEDGE OF THE SCOPE OF WORK INVOLVED.
3. "PROVIDE" SHALL MEAN "FURNISH AND INSTALL".
4. IN GENERAL, THESE DRAWINGS ARE SCHEMATIC IN NATURE AND SHOULD NOT BE SCALED. IT SHALL NOT BE THE INTENT OF THESE PLANS AND/OR SPECIFICATIONS TO SHOW EVERY MINOR DETAIL OF CONSTRUCTION. PROVIDE ALL ITEMS NECESSARY FOR A COMPLETE AND OPERATIONAL SYSTEM.
5. ELECTRICAL INSTALLATION SHALL BE CLOSELY COORDINATED WITH ALL OTHER TRADES. REVIEW THE ENTIRE SET OF DOCUMENTS FOR COORDINATION. NO COST SHALL BE ASSOCIATED WITH ILL-TIMED INSTALLATION INCLUDING ANY REPAIRS OR REPLACEMENTS.
6. ALL CONDUITS AND BOXES SHALL BE CONCEALED UNLESS OTHERWISE NOTED. ALL CONDUIT RUNS ARE SCHEMATIC IN NATURE. EXACT ROUTING TO BE DETERMINED IN THE FIELD UNLESS OTHERWISE NOTED.
7. APPLY A BITUMASTIC COATING OR 3M SCOTCHRAP TAPE FOR ALL METALLIC CONDUITS PENETRATING FLOOR SLABS FROM BELOW GRADE.
8. PROVIDE ALL REQUIRED PULL BOXES, JUNCTION BOXES, ETC. FOR A COMPLETE INSTALLATION.
9. PROVIDE FIRE-STOPPING AT ALL FIRE WALL PENETRATIONS. USE A U.L. APPROVED SYSTEM LISTED FOR THE ASSOCIATED INSTALLATION.
10. ALL CONDUCTORS SHALL BE STRANDED COPPER, THHN/THWN, MINIMUM #12 AWG. ALL CONDUCTORS SHALL BE IN CONDUIT. FLEXIBLE CONDUIT SHALL BE LIMITED TO A MAXIMUM OF 6'-0" IN LENGTH.
11. MC CABLE OR OTHER PREMANUFACTURED CABLING SHALL NOT BE USED.
12. ALL CIRCUITS SHALL CONTAIN A SEPARATE, GREEN, COPPER GROUNDING CONDUCTOR.
13. ALL RECEPTACLES SHALL HAVE A GROUND TERMINAL.
14. RECESSED LIGHTING FIXTURES SHALL BE SUPPORTED FROM THE STRUCTURE AT (4) POINTS. DO NOT SUPPORT FIXTURES FROM THE CEILING GRID, MECHANICAL PIPING, DUCTWORK, CONDUIT OR OTHER NON-STRUCTURAL BUILDING MEMBERS. PROVIDE SUPPLEMENTAL STEEL AS REQUIRED FOR INSTALLATION.
15. THE COLOR OF ALL RECEPTACLES, TOGGLE SWITCHES AND COVERPLATES SHALL BE VERIFIED WITH THE ARCHITECT PRIOR TO ORDERING.
16. PANELBOARDS SHALL BE ACCURATELY LABELED TO IDENTIFY FINAL CIRCUIT NUMBERS UTILIZED, THEIR LOAD AND LOCATION.
17. PROVIDE FIRE RETARDANT U.L. APPROVED SEALANT ON ALL PENETRATIONS OF FIRE RATED PARTITIONS, WALLS AND STRUCTURAL SLABS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY, PRIOR TO SUBMITTING BID, LOCATIONS OF ALL SUCH FIRE RATED PARTITIONS, WALL AND STRUCTURAL SLABS.
18. PROVIDE HANDLE TIES FOR 2 OR MORE SINGLE POLE WITH SHARED NEUTRALS TO COMPLY WITH NEC 210.4 (B)
19. REFER TO TECHNICAL SPECIAL PROVISIONS (SPECIFICATIONS) FOR MORE REQUIREMENTS.
20. REFER TO OTHER CONSULTANT'S DRAWINGS, SUCH AS THOSE ON TECHNOLOGY AND SECURITY, FOR THE RESPONSIBILITIES OF ELECTRICAL CONTRACTORS NOT SHOWN ON ELECTRICAL DRAWINGS.

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.
GENERAL DISCLAIMER: TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH FBC 110.8.4.4 AND CHAPTER 63, FLORIDA STATUES.

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No.	Date	Issue / Revision

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PE 85273

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FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

ELECTRICAL LEGEND AND GENERAL NOTES

DWG NO. AE-001

SHEET NO.

6/19/2025 8:35:33 AM

ABBREVIATIONS:

AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
ATS	AUTOMATIC TRANSFER SWITCH
E	EXISTING
ETR	EXISTING TO REMAIN
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
EG	EQUIPMENT GROUND
EPO	EMERGENCY POWER OFF
ESB	ENERGY SAVING BALLAST
EXP	EXPLOSION PROOF
FACP	FIRE ALARM CONTROL PANEL
FATC	FIRE ALARM TERMINAL CABINET
FPD	FLAT PANEL DISPLAY
GAP	GENERATOR ANNUNCIATOR PANEL
GFI	GROUND FAULT PROTECTION
G, GND	GROUND
GWB	GYPSUM WALL BOARD
H.D.	HAND DRYER
INT	INTERCOM/PAGING CABINET
MCB	MAIN CIRCUIT BREAKER
MLO	MAIN LUG ONLY
MTG	MOUNTING
MTD	MOUNTED
M.H.	MOUNTING HEIGHT
N/A	NOT APPLICABLE
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
PROJ	PROJECTOR LOCATION
U.O.N.	UNLESS OTHERWISE NOTED
R	REMOVE
RL	RELOCATED
UPS	UNINTERRUPTIBLE POWER SUPPLY
WP	WEATHER PROOF
XFMR	TRANSFORMER

LUMINAIRE SCHEDULE

TYPE	DESCRIPTION	VOLTS	WATTS	LAMPS	BALLAST (IF APPLICABLE)	MOUNTING
A	2'x2' RECESSED LED LUMINARIE WITH COLD-ROLLED STEEL HOUSING, CURVED RIBBED DIFFUSER. LITHONIA BLT SERIES 2BLT2-33L-ADP- MVOLT-GZ1-LP840 OR APPROVED EQUIVALENT	120/277	26.5	LED, 3300 LUMENS 4000K	LED DRIVER WITH 0-10V DIMMING	RECESSED CEILING GRID
B	2'x2' RECESSED LED EDGE-LIT FLAT PANEL, LOW PROFILE, ALUMINUM FRAME. LITHONIA EPANL LED EPANL-2X2-4000LM-80CRI-40K-MINI0-EZT OR APPROVED EQUIVALENT	120/277	37	LED, 4000 LUMENS 4000K	LED DRIVER WITH 0-10V DIMMING	RECESSED CEILING GRID
C	4 FOOT LENSED LED STRIPLIGHT. SNAP ON/OFF FROSTED DIFFUSE LENS, COLD-ROLLED STEEL HOUSING, PROVIDE CHAIN HANGER AS REQ'D. LITHONIA CLX-L48-5000-SEF-FDL-MVOLT-EZ1-40K-80CRI, OR APPROVED EQUIVALENT.	120/277	32	LED 5000 LUMENS, 4000K	LED DRIVER WITH 0-10V DIMMING	SURFACE MNT OR CHAIN HUNG 9'-0" AFF
D	1'x4' RECESSED LED LUMINARIE WITH COLD-ROLLED STEEL HOUSING, CURVED RIBBED DIFFUSER. LITHONIA BLT SERIES BLT4-40L-ADP- MVOLT-EZ1-LP840, OR APPROVED EQUIVALENT	120/277	32	LED, 4000 LUMENS 4000K	LED DRIVER WITH 0-10V DIMMING	RECESSED FLANGE
F	6" OPEN REFLECTOR, LED DOWNLIGHT, GALVANIZED STEEL MOUNTING, DIMMING, LISTED FOR WET LOCATIONS. LITHONIA LDN6-40/25-L06-AR-LSS-MVOLT-EZ10 OR APPROVED EQUIVALENT	120/277	28	LED, 2500 LUMENS 4000K	LED DRIVER WITH 0-10V DIMMING	RECESSED
G6	6'-0" LOW PROFILE LINEAR LED LUMINAIRE, ALUMINUM HOUSING. XICO LIGHTING MSQ140MCO-P-6-MBK-E1-OSOMCOBK-S80-40-DMCO35-100-NN-NN-UNV-FD01-NN-NN-NN-DJ-RCBK2-548BK OR APPROVED EQUIVALENT. VERIFY FINISH COLOR WITH ARCHITECT PRIOR TO ORDERING.	120/277	54	LED, 1,000 LUMENS PER FOOT, 4000K	LED DRIVER WITH 0-10V 1% DIMMING	PENDANT MOUNT
H8	8'-0" PENDANT MOUNTED LINEAR LED LUMINAIRE, EXTRUDED 4" ALUMINUM HOUSING. FOCAL POINT LIGHTING FSM4LS-FL-1000LF-40K-IC-UNV-LI1-C48BKCD-8' OR APPROVED EQUIVALENT. VERIFY FINISH COLOR WITH ARCHITECT PRIOR TO ORDERING.	120/277	70	LED, 1,000 LUMENS PER FOOT, 4000K	LED DRIVER WITH 0-10V 1% DIMMING	PENDANT MOUNT
K	10'-0" SQUARE COLUMN LED LUMINAIRE, DIE-CAST ALUMINUM. SELUX MTR SQUARE COLUMN SRIES MTROL-10-3-2830-40-BZ-UNZ OR APPROVED EQUIVALENT. VERIFY FINISH COLOR WITH ARCHITECT PRIOR TO ORDERING.	120/277	53	LED; 2,830 LUMENS, 4000K	LED DRIVER	GROUND MOUNTED
L10	10'-0" LED RECESSED LINEAR, HIGH OUTPUT LUMEN PACKAGE, SPACKLE FLANGE MOUNTING, COLD ROLLED STEEL BACK BOX, DIMMING, DAMP LOCATION. PINNACLE LIGHTING EDGE EVOLUTION SERIES EV4D-A-835HO-10-SF-UNV-FSD-IC-W OR APPROVED EQUIVALENT	120/277	64	LED, 750 LUMENS PER FOOT, 3500K	LED DRIVER WITH 0-10V DIMMING	RECESSED MOUNT
L12	12'-0" LED RECESSED LINEAR, HIGH OUTPUT LUMEN PACKAGE, SPACKLE FLANGE MOUNTING, COLD ROLLED STEEL BACK BOX, DIMMING, DAMP LOCATION. PINNACLE LIGHTING EDGE EVOLUTION SERIES EV4D-A-835HO-12-SF- UNV-FSD-IC-W OR APPROVED EQUIVALENT	120/277	76.8	LED, 750 LUMENS PER FOOT, 3500K	LED DRIVER WITH 0-10V DIMMING	RECESSED MOUNT
M	MODULAR IN-GRADE LUMINAIRE, SINGLE LENS LED WET LOCATIONS, 9" DIA. ROUND, ALUMINUM, NARROW SPOT, FLAT LENS CLEAR. LENS SHALL BE ADA COMPLIANT SLIP RESISTANT, FACTORY SEALED LAMP MODULE AND ENCAPSULATED POWER MODULE, MUST BE SUITABLE FOR FLUSH MOUNTING IN CONCRETE, PROVIDE COMPONENTS SHALL BE SECURED ON A HEAVY DUTY POLYMER HOUSING WITH CONVECTIVE COOLING. LENS SHALL BE SEALED WITH A STAINLESS STEEL ASSEMBLY. FINISH TO BE SELECTED BY ARCHITECT/OWNER. LED LAMP SHALL BE INCLUDED, ALONG WITH A SUBMERSIBLE QUICK PULL PLUG CONNECTOR. HYDRELL M9420-A-12LED-WHT30K-MVOLT- NSP-FLCAS-34S-LP OR APPROVED EQUIVALENT	120/277	14	LED, 1,200 LUMENS, 3000K	LED DRIVER	IN GRADE

SUBSTITUTIONS WILL NOT BE CONSIDERED WITHOUT A MINIMUM 10 DAY PRIOR APPROVAL SUBMITTAL AND ACCEPTANCE BY OFFICIAL ADDENDUM

LUMINAIRE SCHEDULE

TYPE	DESCRIPTION	VOLTS	WATTS	LAMPS	BALLAST (IF APPLICABLE)	MOUNTING
N4	3"X4' LED LINEAR RECESSED LUMINAIRE, RECESSED LENS. MARK LIGHTING SL1L-LOP-4FT-GB-90CRI-40K-600LMF-MINI-RL-MVOLT-ZT OR APPROVED EQUIVALENT.	120/277	20.3	LED, 2,200 LUMENS (550 LUMENS PER FOOT) 4000K	LED DRIVER WITH 0-10V DIMMING	RECESSED
N8	3"X8' LED LINEAR RECESSED LUMINAIRE, RECESSED LENS. MARK LIGHTING SL1L-LOP-8FT-GB-90CRI-40K-600LMF-MINI-RL-MVOLT-ZT OR APPROVED EQUIVALENT.	120/277	40.6	LED, 4,400 LUMENS (550 LUMENS PER FOOT) 4000K	LED DRIVER WITH 0-10V DIMMING	RECESSED
R3	36" ROUND PENDANT LUMINAIRE. THICK WALL ALUMINUM EXTRUSION, SINGLE DIRECTION ILLUMINATION, OPEN CENTER, OCL LIGHTING SOLO SERIES SL1-C1NA-36-MW-MWP-BNP-LED1-40K-UNV OR APPROVED EQUIVALENT. VERIFY FINISH COLOR WITH ARCHITECT PRIOR TO ORDERING.	120/277	90	LED, 7,740 LUMENS, 4000K	LED DRIVER WITH 0-10V DIMMING	SURFACE MOUNTED TO UNISTRUT SUPPORT
R4	48" ROUND PENDANT LUMINAIRE. THICK WALL ALUMINUM EXTRUSION, SINGLE DIRECTION ILLUMINATION, OPEN CENTER, OCL LIGHTING SOLO SERIES SL1-C1NA-36-MW-MWP-BNP-LED1-40K-UNV OR APPROVED EQUIVALENT. VERIFY FINISH COLOR WITH ARCHITECT PRIOR TO ORDERING.	120/277	120	LED, 10,320 LUMENS, 4000K	LED DRIVER WITH 0-10V DIMMING	SURFACE MOUNTED TO UNISTRUT SUPPORT
R6	72" ROUND PENDANT LUMINAIRE. ONE PIECE MOLDED DIFFUSER WITH NO VISIBLE SEAMS, OPEN CENTER, OCL LIGHTING LOOP SERIES PIEC-36-MW-MWP-LED2-40K-UNV-144 OR APPROVED EQUIVELENT	120/277	180	LED, 15,480 LUMENS, 4000K	LED DRIVER WITH 0-10V DIMMING	SURFACE MOUNTED TO UNISTRUT SUPPORT
SA	PARKING LOT POLE MOUNTED LUMINAIRE (SINGLE HEAD), OUTDOOR DIE CAST ALUMINUM HOUSING, SILICONE GASKET BETWEEN HOUSING AND LENS, HIGH-EFFICENCY LED OPTICS, TYPE IV DISTRIBUTION, SQUARE POLE. SELUX ARCA SERIES ACL-R4-S1-5G1800-40-BZ-480 OR APPROVED EQUIVALENT	480	54W	LED 5,346 LUMENS 4000K	LED DRIVER	POLE MOUNTED AT 18'-0" REFER TO POLE DETAIL
SB	PARKING LOT POLE MOUNTED LUMINAIRE (DUAL HEAD), OUTDOOR DIE CAST ALUMINUM HOUSING, SILICONE GASKET BETWEEN HOUSING AND LENS, HIGH-EFFICENCY LED OPTICS, TYPE IV DISTRIBUTION, SQUARE POLE. SELUX ARCA SERIES ACL-R4-S2-5G1800-40-BZ-480 OR APPROVED EQUIVALENT	480	54W PER HEAD (TOTAL POLE 108W)	LED 5,346 LUMENS 4000K (PER HEAD)	LED DRIVER	POLE MOUNTED AT 18'-0" REFER TO POLE DETAIL
X	EXIT SIGN, EDGE LIT, EXTRUDED ALUMINUM CONSTRUCTION, CLEAR THERMOPLASTIC PANELS, RED LETTERS, UNIVERSAL MOUNTING. LITHONIA #EDG-1/2-R, OR EQUIVALENT	120/277	4.5	LED	LED DRIVER	SURFACE MNT 8'-0" AFF, ABOVE DOOR OR CEILING

SUBSTITUTIONS WILL NOT BE CONSIDERED WITHOUT A MINIMUM 10 DAY PRIOR APPROVAL SUBMITTAL AND ACCEPTANCE BY OFFICIAL ADDENDUM

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No.	Date	Issue / Revision

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FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

LUMINAIRE SCHEDULE AND CUT SHEETS

DWG NO. AE-002

SHEET NO.

TYPE 'A'

LITHONIA LIGHTING®

DIGITAL NAVIGATION
Ordering Tree nLight Platform Sensor Switch JOT Photometrics Performance Data

FEATURES & SPECIFICATIONS

INTENDED USE — The BLT Best-in-Value Low Profile LED luminaire features a popular center basket design that offers a clean, versatile style and volumetric distribution. High efficacy LED light engines deliver energy savings and low maintenance compared to traditional sources. An extensive selection of configurations and options make the BLT the perfect choice for many lighting applications including schools, offices and other commercial spaces, retail, hospitals and healthcare facilities. The low profile BLT design (2-3/4") also makes it an excellent choice for renovation projects.

CONSTRUCTION — Prior to fabrication, BLT components are coated with a proprietary paint blend and de-formed for dimensional consistency.

The BLT reflector is available in both smooth and ribbed finishes. Choose RB from the fixture style section below for a ribbed finish.

End plates contain easy-to-position integral T-bar clips for securely attaching the luminaire to the T-grid. For additional T-grid security, optional screw on T-bar clips are available.

Diffusers are extruded from impact modified acrylic for increased durability.

LED boards and drivers are accessible from the plenum.

OPTICS — Volumetric illumination is achieved by creating an optimal mix of light to walls, partitions and vertical and horizontal work surfaces – rendering the interior space, objects and occupants in a more balanced, complimentary luminous environment. A typically configured 2BLT2 features a **Unified Glare Rating (UGR)** starting at 17, IESA data available on page 6. High performance extruded acrylic diffusers conceal LEDs and efficiently deliver light in a volumetric distribution. Five diffuser choices available - curved and square designs with ribbed or a smooth frosted finish.

ELECTRICAL — Long-life LEDs, coupled with high-efficiency drivers, provide superior quantity and quality of illumination for extended service life. 80% LED lumen maintenance at 60,000 hours (L80/60,000). Color Variation within 3-step MacAdam ellipse (3SDCM).

Non-Configurable BLT: Generic 0-10 volt dimming driver. Dims to 10%

Configurable BLT: available in High Efficiency (HE) versions for applications where a lower wattage (over the standard product) is required. The High Efficiency versions deliver >130 LPW and can be specified via the Lumen Package designations in the Ordering Information below.

eldoLED driver options deliver choice of dimming range, and choices for control, while assuring flicker-free, low-current inrush, 89% efficiency and low EMI.

Optional integrated nLight® controls make each luminaire addressable - allowing them to digitally communicate with other nLight enabled controls such as dimmers, switches, occupancy sensors and photocontrols. Connection to nLight is simple. It can be accomplished with integrated nLight AIR wireless RIO, RES7 sensors, or through standard Cat-5 cabling. nLight offers unique plug-and-play convenience as devices and luminaires automatically discover each other and self-commission. nLight AIR is commissioned easily through an intuitive mobile app.

Lumen Management: Unique lumen management system (option N80) provides on board intelligence that actively manages the LED light source so that constant lumen output is maintained over the system life, preventing the energy waste created by the traditional practice of over-lighting.

Step-level dimming option allows system to be switched to 50% power for compliance with common energy codes while maintaining fixture appearance.

SENSOR — Integrated sensor (individual control): Sensor Switch MSD7ADCX (Passive infrared (PIR)) or WSDPDT7ADCX (DPIR/Microphonics) Dual Tech (PDT)) integrated occupancy sensor/automatic dimming photocell allows the luminaire to power off when the space is unoccupied or enough ambient light is entering the space. See page 4 for more details on the integrated sensor.

Integrated Sensor (nLight Wired Networking): This sensor is nLight-enabled, meaning it has the ability to communicate over an nLight network. When wired, using CAT-5 cabling, with other nLight-enabled sensors, power packs, or WallPods, an nLight control zone is created. Once linked to a Gateway, directly or via a Bridge, the zone becomes capable of remote status monitoring and control via SensorView software. See page 4 for the nLight sensor options.

Integrated Smart Sensor (nLight Air Wireless Platform): The RES7 sensor is nLight AIR enabled, meaning it has the ability to communicate over the wireless nLight control platform. It is available with an automatic dimming photocell, and either a digital PIR or a microphonics (PDT) dual technology occupancy sensor. It pairs to other luminaires and wall switches through our mobile app, CLAIRITY+, which allows for simple sensor adjustment. See page 4 for more details on the Integrated Smart Sensor.

Integrated Wireless Sensor (single room control): Sensor Switch VERTEX JOT or JOTVTX15 luminaire-embedded occupancy and ambient light sensor allows the luminaire to power off when the space is unoccupied or when enough ambient light is entering the space. See page 8 for more details on the integrated wireless sensor.

INSTALLATION — The BLT's low profile design of only 2-3/8" provides increased installation flexibility especially in restrictive plenum applications. Designed for use in NEMA standard Type G (1" & 15/16"), NFG (9/16"), and SS (9/16") grid ceilings. Consult factory about other ceiling types.

For recessed mounting in hard ceiling applications, Drywall Grid Adapters (DGA) are available as an accessory. See Accessories section. Suitable for damp location.

LISTINGS — CSA Certified to meet U.S. and Canadian standards. IC rated. Tested in accordance with ISO 14644-1 suitable for ISO Class 5-9 positive and negative pressure clean rooms.

Design Lights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

BUY AMERICAN ACT — Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations. Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY — 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

NOTE: Actual performance may differ as a result of end-user environment and application.
All values are design or typical values, measured under laboratory conditions at 25 °C.
Specifications subject to change without notice.

Catalog Number
Notes
Type

BLT Series LED

2BLT2

2' x 2' LED

ADP Diffuser Option

Ribbed Reflector Option

Specifications
Length: 23-3/4 (60.3)
Width: 23-3/4 (60.3)
Depth: 2-3/8 (6.0)
Depth with Air supply/return: 2-3/4 (6.9)
All dimensions are inches (centimeters) unless otherwise specified.

Static

Air Supply/Return

Embed nLight controls today. Prepare for tomorrow.

Now	Tomorrow
User-friendly install	Scalability
Enhanced energy savings	Space configuration
Code compliance	Future-ready

Capable Luminaire
This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning when used with Acuity Brands controls products.
All configurations of this luminaire are calibrated and tested to meet the Acuity Brands' specifications for chromatic consistency – including color rendering, color fidelity, and color temperature tolerance around standard CIE chromaticity coordinates.
To learn more about Acuity A+ standards, specifications, and testing visit www.acuitybrands.com/aplus.

design select
Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit www.acuitybrands.com/designselect.
*See ordering tree for details

TYPE 'B'

LITHONIA LIGHTING®

DIGITAL NAVIGATION
Ordering Tree nLight Platform Sensor Switch JOT Photometrics Performance Data Drawings

FEATURES & SPECIFICATIONS

INTENDED USE — The EPANL Series LED Edge-Lit Flat Panel provides a fully luminous appearance across the face of the lens. This provides a soft, glare-free solution that is visually comfortable within the space. Suitable for many lighting applications including schools, offices and other commercial spaces, retail, convenience stores, hospitals and healthcare facilities. **Certain airborne contaminants can diminish the integrity of acrylic and/or polycarbonate. Click here for Acrylic-Polycarbonate Compatibility table for suitable uses.**

CONSTRUCTION — This edgelit platform was built to last with an aluminum frame for strength and durability, the seamless frame prevents light leak in the corners. The PMMA light guide plate and lens resists yellowing and transmits light with superior efficacy. The satin white lens provides excellent shielding and fully luminous appearance. EPANL's low-profile design provides increased installation flexibility especially in restricted plenum spaces. The back plate includes integral T-bar clips for installation into 15/16" or 9/16" T-grid ceilings. Fixture may be recessed, suspended, surface box mounted or mounted in a hard-ceiling see accessories section for more information. Fixture may be mounted and wired in continuous rows.

Integrated Sensor (nLight Wired Networking): This sensor is nLight-enabled, meaning it has the ability to communicate over an nLight network. When wired, using CAT-5 cabling, with other nLight-enabled sensors, power packs, or WallPods, an nLight control zone is created. Once linked to a Gateway, directly or via a Bridge, the zone becomes capable of remote status monitoring and control via SensorView software. See page 7 for more details on the integrated wireless sensor.

Integrated Smart Sensor (nLight Air Wireless Platform): The RES7 sensor is nLight AIR enabled, meaning it has the ability to communicate over the wireless nLight control platform. It is available with an automatic dimming photocell, and either a digital PIR or a microphonics (PDT) dual technology occupancy sensor. It pairs to other luminaires and wall switches through our mobile app, CLAIRITY+, which allows for simple sensor adjustment. See page 4 for more details on the Integrated Smart Sensor.

ELECTRICAL — Long-life LEDs, coupled with a high-efficiency driver, provide superior illumination for extended service life. See page 3 for detailed lumen maintenance information. 0-10V dimming driver, dims to 1% or 10% and contains non-isolated dimming leads.

LISTINGS — CSA certified to meet US and Canadian standards. Tested to meet UL1598. Intended for indoor use only. Product is not to be stored in non-climate controlled spaces.

Design Lights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

Damp location listed. IC rated. IP5X rated. Long nontentulate, configurable product is rated for NSF/ANSI Standard 2 - Light Fixtures in Splash Zone and Non-Food Zone. Tested in accordance with ISO 14644-1; suitable for ISO Class 5–9 positive and negative pressure clean rooms. Suitable for ambient temperatures from 32°F (0°C) to 77°F (25°C).

WARRANTY — 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

NOTE: Actual performance may differ as a result of end-user environment and application.
All values are design or typical values, measured under laboratory conditions at 25 °C.
Specifications subject to change without notice.

Dimensions

	1x4	2x2	2x4
Length	47.72"	23.70"	47.72"
Width	11.85"	23.70"	23.70"
Depth	2.39"	2.39"	2.39"
Weight	13.9 lbs	7.4 lbs	15.1 lbs

* Base configurations; options may add weight

Catalog Number
Notes
Type

EPANL LED

1'x4', 2'x2', and 2'x4'

Embed nLight controls today. Prepare for tomorrow.

Now	Tomorrow
User-friendly install	Scalability
Enhanced energy savings	Space configuration
Code compliance	Future-ready

Capable Luminaire
This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® control networks when ordered with drivers marked by a shaded background*
- This luminaire is part of an A+ Certified solution for nLight control networks, providing advanced control functionality at the luminaire level, when selection includes driver and control options marked by a shaded background*

To learn more about A+, visit www.acuitybrands.com/aplus.
*See ordering tree for details

TYPE 'C'

LITHONIA LIGHTING®

FEATURES & SPECIFICATIONS

INTENDED USE — The CLX is a linear lighting solution that is available in multiple lengths, lumen packages and distributions. Designed for versatility, the CLX can address virtually any indoor lighting need. The CLX is also offered in standard and high efficacy configurations and capable of being continuous row mounted or installed as a stand-alone fixture. Ideal for uplight and downlight in commercial, retail, manufacturing, warehouse, and display applications. **Certain airborne contaminants can diminish the integrity of acrylic and/or polycarbonate. Click here for Acrylic-Polycarbonate Compatibility table for suitable uses.**

CONSTRUCTION — Channel and cover are formed from code-gauge cold-rolled steel. Housing and lens endcaps are injection molded plastic to provide a more architectural look and feel. The endcaps come standard with a 7/8" knock out for continuous mounting but can be ordered without.

Finish: Paint options include high-gloss, baked white polyester (WH), galvanized (GALV), matte black (MB) and smoke gray (SKGY). Five-stage iron phosphate pre-treatment ensures superior paint adhesion and rust resistance.

OPTICS — Offered with acrylic lens and less lens configurations. Provides a choice of optical distributions including, wide, narrow, and aisle.

Models with wide diffuse lens provide up to 12% uplight. Please check the IES file for specific uplight value.

ELECTRICAL — Utilizes high-output LEDs integrated on a two-layer circuit board, ensuring cool-running operation. Optional internal pluggable wiring harness for reduced labor cost in row mounting applications. (See PLR_ ordering information on page 7.) Electronic LED driver is multi-volt input and 0-10V dimming standard (see Operational Data on page 6 for actual wattage consumption). This fixture is designed to withstand a maximum line surge of 2.5kV at 0.75kA combination wave for indoor locations, for applications requiring higher level of protection additional surge protection must be provided.

L70>300,000 hours at 25˚C.

LEDs provide nominal 80 CRI or 90 CRI at 3000 K, 3500 K, 4000 K, or 5000 K.

Lumen output up to 2,500 lumens per foot.

INSTALLATION — Fixture may be ceiling or wall mounted (with or without THCLX hanger) or angle mounted with CLVANGLEBP1, pendant or stem mounted with appropriate mounting options.

WARNING — Removing the lens and opening the fixture during installation exposes the LEDs, putting them at risk for damage.

If you plan to surface mount the fixture, we recommend using the THCLX. This eliminates the need to open the fixture.

If you plan to continuous row mount, we recommend using the PLR wiring harness option. This eliminates the need to open the fixture.

Damage to the LEDs caused during installation will not be covered under the warranty.

LISTINGS — CSA certified to US and Canadian safety standards. For use in damp locations between -4°F (-20°C) and 104°F (40°C). Optional High Ambient (HA) ranging to 122°F (50°C) available on certain lumen packages (See ambient temperature chart for additional information).
DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

BUY AMERICAN ACT — Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations. Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY — 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application.
All values are design or typical values, measured under laboratory conditions at 25 °C.
Specifications subject to change without notice.

Stock configurations are offered for shorter lead times:

Stock Part Number	UPC
CLX L48 3000LM SEF FDL MVOLT G2 10 40K 80CRI WH	0091972525816
CLX L48 3000LM SEF FDL MVOLT G2 10 50K 80CRI WH	0091972525885
CLX L48 5000LM SEF FDL MVOLT G2 10 40K 80CRI WH	0091972525939
CLX L48 5000LM SEF FDL MVOLT G2 10 50K 80CRI WH	0091972525908
CLX L96 6000LM SEF FDL MVOLT G2 10 40K 80CRI WH	0091972525863
CLX L96 6000LM SEF FDL MVOLT G2 10 50K 80CRI WH	0091972525915
CLX L96 10000LM SEF FDL MVOLT G2 10 40K 80CRI WH	0091972525922
CLX L96 10000LM SEF FDL MVOLT G2 10 50K 80CRI WH	0091972525830
CLX L48 3000LM SEF RDL MVOLT G2 10 40K 80CRI WH	0091972525960
CLX L48 3000LM SEF RDL MVOLT G2 10 50K 80CRI WH	0091972525892
CLX L48 5000LM SEF RDL MVOLT G2 10 40K 80CRI WH	0091972525854
CLX L48 5000LM SEF RDL MVOLT G2 10 50K 80CRI WH	0091972525946
CLX L96 6000LM SEF RDL MVOLT G2 10 40K 80CRI WH	0091972525878
CLX L96 6000LM SEF RDL MVOLT G2 10 50K 80CRI WH	0091972525823
CLX L96 10000LM SEF RDL MVOLT G2 10 40K 80CRI WH	0091972525953
CLX L96 10000LM SEF RDL MVOLT G2 10 50K 80CRI WH	0091972525847

Catalog Number
Notes
Type

LED Linear

CLX

24", 36", 48" and 96" Lengths

Flat Diffuse Lens

Round Diffuse Lens

Wide Diffuse Lens

CLX with Reflector

Capable Luminaire
This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning when used with Acuity Brands controls products.
All configurations of this luminaire are calibrated and tested to meet the Acuity Brands' specifications for chromatic consistency – including color rendering, color fidelity, and color temperature tolerance around standard CIE chromaticity coordinates.
To learn more about Acuity A+ standards, specifications, and testing visit www.acuitybrands.com/aplus.

design select
Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit www.acuitybrands.com/designselect.
*See ordering tree for details

TYPE 'D'

LITHONIA LIGHTING®

DIGITAL NAVIGATION
Ordering Tree nLight Platforms Sensor Switch JOT Photometrics Performance Data

FEATURES & SPECIFICATIONS

INTENDED USE — The BLT Best-in-Value Low Profile LED luminaire features a popular center basket design that offers a clean, versatile style and volumetric distribution. High efficacy LED light engines deliver energy savings and low maintenance compared to traditional sources. An extensive selection of configurations and options make the BLT the perfect choice for many lighting applications including schools, offices and other commercial spaces, retail, hospitals and healthcare facilities. The low profile BLT design (2-3/4") also makes it an excellent choice for renovation projects.

CONSTRUCTION — Prior to fabrication, BLT components are coated with a proprietary paint blend and de-formed for dimensional consistency.

The BLT reflector is available in both smooth and ribbed finishes. Choose RB from the fixture style section below for a ribbed finish.

End plates contain easy-to-position integral T-bar clips for securely attaching the luminaire to the T-grid. For additional T-grid security, optional screw on T-bar clips are available.

Diffusers are extruded from impact modified acrylic for increased durability.

LED boards and drivers are accessible from the plenum.

OPTICS — Volumetric illumination is achieved by creating an optimal mix of light to walls, partitions and vertical and horizontal work surfaces – rendering the interior space, objects and occupants in a more balanced, complimentary luminous environment. A typically configured BLT4 features a **Unified Glare Rating (UGR)** starting at 17, IESA data available on page 6. High performance extruded acrylic diffusers conceal LEDs and efficiently deliver light in a volumetric distribution. Five diffuser choices available - curved and square designs with ribbed or a smooth frosted finish.

ELECTRICAL — Long-life LEDs, coupled with high-efficiency drivers, provide superior quantity and quality of illumination for extended service life. 80% LED lumen maintenance at 60,000 hours (L80/60,000). Color Variation within 3-step MacAdam ellipse (3SDCM).

Non-Configurable BLT: Generic 0-10 volt dimming driver. Dims to 10%

Configurable BLT: available in High Efficiency (HE) versions for applications where a lower wattage (over the standard product) is required. The High Efficiency versions deliver >130 LPW and can be specified via the Lumen Package designations in the Ordering Information below.

eldoLED driver options deliver choice of dimming range, and choices for control, while assuring flicker-free, low-current inrush, 89% efficiency and low EMI.

Optional integrated nLight® controls make each luminaire addressable - allowing them to digitally communicate with other nLight enabled controls such as dimmers, switches, occupancy sensors and photocontrols. Connection to nLight is simple. It can be accomplished with integrated nLight AIR wireless RIO, RES7 sensors, or through standard Cat-5 cabling. nLight offers unique plug-and-play convenience as devices and luminaires automatically discover each other and self-commission. nLight AIR is commissioned easily through an intuitive mobile app.

Lumen Management: Unique lumen management system (option N80) provides on board intelligence that actively manages the LED light source so that constant lumen output is maintained over the system life, preventing the energy waste created by the traditional practice of over-lighting.

Step-level dimming option allows system to be switched to 50% power for compliance with common energy codes while maintaining fixture appearance.

SENSOR — Integrated sensor (individual control): Sensor Switch MSD7ADCX (Passive infrared (PIR)) or WSDPDT7ADCX (DPIR/Microphonics Dual Tech (PDT)) integrated occupancy sensor/automatic dimming photocell allows the luminaire to power off when the space is unoccupied or enough ambient light is entering the space. See page 4 for more details on the integrated sensor.

Integrated Sensor (nLight Wired Networking): This sensor is nLight-enabled, meaning it has the ability to communicate over an nLight network. When wired, using CAT-5 cabling, with other nLight-enabled sensors, power packs, or WallPods, an nLight control zone is created. Once linked to a Gateway, directly or via a Bridge, the zone becomes capable of remote status monitoring and control via SensorView software. See page 4 for the nLight sensor options.

Integrated Smart Sensor (nLight Air Wireless Platform): The RES7 sensor is nLight AIR enabled, meaning it has the ability to communicate over the wireless nLight control platform. It is available with an automatic dimming photocell, and either a digital PIR or microphonics (PDT) dual technology occupancy sensor. It pairs to other luminaires and wall switches through our mobile app, CLAIRITY+, which allows for simple sensor adjustment. See page 4 for more details on the Integrated Smart Sensor.

Integrated Wireless Sensor (single room control): Sensor Switch VERTEX JOT or JOTVTX15 luminaire-embedded occupancy and ambient light sensor allows the luminaire to power off when the space is unoccupied or when enough ambient light is entering the space. See page 8 for more details on the integrated wireless sensor.

INSTALLATION — The BLT's low profile design of only 2-3/4" provides increased installation flexibility especially in restrictive plenum applications. Designed for use in NEMA standard Type G (1" & 15/16"), NFG (9/16"), and SS (9/16") grid ceilings. Consult factory about other ceiling types.

For recessed mounting in hard ceiling applications, Drywall Grid Adapters (DGA) are available as an accessory. See Accessories section. Suitable for damp location.

LISTINGS — CSA Certified to meet U.S. and Canadian standards. IC rated. Tested in accordance with ISO 14644-1; suitable for ISO Class 5-9 positive and negative pressure clean rooms.

Design Lights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

BUY AMERICAN ACT — Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations. Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY — 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

NOTE: Actual performance may differ as a result of end-user environment and application.
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Specifications subject to change without notice.

Catalog Number
Notes
Type

BLT Series LED

BLT4

1' x 4' LED

ADP Diffuser Option

SDSM Diffuser Option

Specifications
Length: 47-3/4 (121.2)
Width: 11-3/4 (29.8)
Depth: 2-3/4 (6.9)
Depth with Air supply/return: 3-5/8 (9.2)
All dimensions are inches (centimeters) unless otherwise specified.

Static

Air Supply/Return

Embed nLight controls today. Prepare for tomorrow.

Now	Tomorrow
User-friendly install	Scalability
Enhanced energy savings	Space configuration
Code compliance	Future-ready

Capable Luminaire
This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning when used with Acuity Brands controls products.
All configurations of this luminaire are calibrated and tested to meet the Acuity Brands' specifications for chromatic consistency – including color rendering, color fidelity, and color temperature tolerance around standard CIE chromaticity coordinates.
To learn more about Acuity A+ standards, specifications, and testing visit www.acuitybrands.com/aplus.

design select
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*See ordering tree for details

TYPE 'F'

LITHONIA LIGHTING®

FEATURES & SPECIFICATIONS

INTENDED USE — Typical applications include corridors, lobbies, conference rooms and private offices.
CONSTRUCTION — Galvanized steel mounting/plaster frame; galvanized steel junction box with bottom-hinged access covers and spring latches. Reflectors are retained by torsion springs.
Vertically adjustable mounting brackets with commercial bar hangers provide 3-3/4" total adjustment.
Two combination 1/2" 3/4" and four 1/2" knockouts for straight-through conduit runs. Capacity: 8 (4 in, 4 out). No. 12 AWG conductors, rated for 90°C.
Accommodates 12"-24" joist spacing.
Passive cooling thermal management for 25°C standard; high ambient (40°C) option available. Light engine and drivers are accessible from above or below ceiling.
Max ceiling thickness 1-1/2".
OPTICS — LEDs are binned to a 3-step MacAdam Ellipse; 80 CRI minimum. 90 CRI optional.
LED light source concealed with diffusing optical lens.
General illumination lighting with 1.0 S/MH and 55° cutoff to source and source image.
Self-flanged anodized reflectors in specular, semi-specular, or matte diffuse finishes. Also available in white and black painted reflectors.
A+ CAPABLE LUMINAIRE — This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning when used with Acuity Brands controls products. All configurations of this luminaire are calibrated and tested to meet the Acuity Brands' specifications for chromatic consistency – including color rendering, color fidelity and color temperature tolerance around standard CIE chromaticity coordinates. To learn more about A+ standards, specifications, and testing visit www.acuitybrands.com/aplus.
UGR — UGR is zero for fixtures aimed at nadir with axial-offequal to or less than 60deg. per CIE 117-1996 Discomfort Glare in Interior Lighting.
ELECTRICAL — Multi-volt (120-277V, 50/60Hz) 0-10V dimming drivers mounted to junction box, 10% or 1% minimum dimming level available.
0-10V dimming fixture requires two (2) additional low-voltage wires to be pulled.
LUMEN MAINTENANCE — 70% lumen maintenance at 60,000 hours. L70/60,000 hours
LISTINGS — Certified to US and Canadian safety standards. Wet location standard (covered ceiling). IP55 rated. ENERGY STAR® certified product. Drivers are RoHS compliant
BUY AMERICAN ACT — Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations. Please refer to www.acuitybrands.com/buy-american for additional information.
WARRANTY — 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions
Note: Actual performance may differ as a result of end-user environment and application.
All values are design or typical values, measured under laboratory conditions at 25 °C.
Specifications subject to change without notice.

PERFORMANCE DATA

LDN6 3500K AR LSS 80CRI

Nominal Lumens	Lumens	Wattage	Lm/W
500	527.9	5.8	90.5
750	758.1	8.9	85.1
1000	950.1	10.4	91.0
1500	1514	17.5	86.4
2000	2006	22.5	89.1
2500	2504	28.3	88.6
3000	3021	34.8	86.9
4000	4008	44.3	90.4
5000	4975	57.7	86.3

Notes
- Tested in accordance with IESNA LM-79-08.
- Tested to current IES and NEMA standards under stabilized laboratory conditions.
- CRI: R9 typical.

Catalog Number
Notes
Type

LDN6 STATIC WHITE

6" Open and Wallwash LED
Non-IC
New Construction Downlight

Open Trim

Wallwash Trim

DISTRIBUTIONS

Open

Wallwash

DIMENSIONS

LDN6 500-3000 Lumens

See page 4 for other fixture dimensions

TYPE 'G6'

SPECIFICATION GUIDE

MICROSquare MCO Pendant

1.4" Low-Profile Linear LED Pendant Mount

XICO®

Features & Benefits

Exceptional Performance
Up to 1,000 lm/ft, 150 lm/W efficacy

Wide Range of LED Selections
Static, Tunable White, Dim-to-Warm, and RGBW

Designed with Options
Wide choice of SmartOptic® lenses, beam distributions, 80/90/95+ CRI, 2200K to 5000K CCT, and 0-10V, DALI, DMX, and TRIAC dimming

Patented Innovations
Fusion® Optix Inside with unique SmartBeam® capabilities

Proprietary Optical Components
Provides excellent light distribution and high-transmission

Committed to Sustainability
Declare Listed and Red Free List materials

Compliance
UL Listed, Dry and Damp Locations

5-Year Warranty
Standard 5-year warranty, 50,000 hours

Designed & Built in BOSTON

Declare™

Red List Free

Autodesk Docs://9345.00 ECRC/9345.00 Escambia ECRC WGIMEPFP R24.rvt
6/19/2025 8:35:34 AM

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No.	Date	Issue / Revision

AARON JOSEPH, PE
PE 85273

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607
ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

LUMINAIRE CUT SHEETS

DWG NO. AE-003
SHEET NO.

6/19/2025 8:35:34 AM

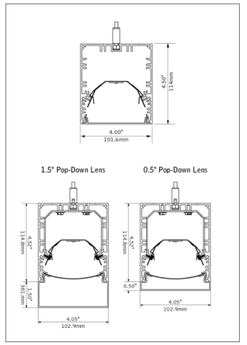
TYPE 'H8'

Seem® 4

LED

FOCAL POINT

DIMENSIONAL DATA



FEATURES

Narrow extruded aluminum 4" linear direct LED.

Individual units and continuous runs in 1' increments.

Available in flush, asymmetric, asymmetric room fill, batwing, 0.5° or 1.5° pop-down lens.

LED position and lens material optimized to provide the perfect blend of high performance and visual comfort.

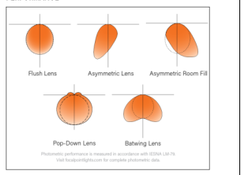
Tunable White: Supports human activity, well-being, and preferences with a light quality that evolves throughout the day.

Connected Solutions: Integrates with wired and wireless building lighting control systems.

PoE compatible: Integrates with Power over Ethernet lighting systems via standard, low-voltage wires.

Available with The Naturals, a series of finishes that exude biophilic beauty.

PERFORMANCE



Photometric performance is measured in accordance with IESNA LM-79. Visit focalpointlighttech.com for complete photometric data.

A brand of legrand®

Focal Point LLC | 440 S. Pulaski Rd, Chicago, IL 60612 | 773.247.9494 | focalpointlights.com

October 2023 .AY

TYPE 'K'

Date: _____ Customer: _____

Project: _____

Type: _____ Qty: _____

selux

MTR Square Column LED

Order Code: MTRQL - ____ - ____ - ____ - ____ - ____ - ____ - ____ - ____

MTRQL	Series	MTRQL MTR Square Column LED						
	Nominal Overall Height	10'	12'	14'	16'			
	Nominal Height of Lit Section	2'	3'	4'				
	Light Engine	1830	2830	3830	4830			
	CCT	27 2700K	30 3000K	35 3500K	40 4000K			
	Finish	WH White	BK Black	BL Semi-Matte Black	BZ Bronze	SV Silver	SP Specify Premium Color	
	Voltage	UNV 120-277V	120 120V	240 240V	277 277V	347 347V	480 480V	
	Options	DM4 Dimming (0-10V)	HLS014 Hi-Lo Switching Low Output 50%	REC2 GFCI Receptacle with weatherproof cover	REC22 GFCI Receptacle with pushbuttable in-use cover	REC32 USB & Duplex Receptacle with weatherproof cover	REC42 USB & Duplex Receptacle with weatherproof pushbuttable in-use cover	MS4 Motion Sensor (Mounts Title 24 Requirements)

See page 2 for details.

See page 8 for details.

*Step down transformer provided. See page 8 for details.

*120V, 240V and 277V only.
*120V only. See page 8 for details.
* DM, HLS, or MS only. Cannot be combined.

Product Modifications

Please list modification requirements for review by factory.

Approvals

Date

Selux Corporation © 2024, T 845-834-1601, 800-735-8022, F 845-834-1401, www.selux.us
In a continuing effort to offer the best product possible, we reserve the right to change, without notice, specifications or materials that in our opinion will not alter the function of the product. Specification sheets found at www.selux.us are the most recent versions and supercede all other printed or electronic versions.

Page 1 of 8
(Rev. 09/2024)
MTRQL_SL_v2.1

TYPE 'L10' AND 'L12'

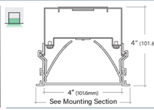
PINNACLE ARCHITECTURAL LIGHTING®

Project Name _____

Date _____ Type _____

EDGE EV4D

4" Recessed Linear



Key Features

- Extruded aluminum trim with formed cold rolled 18 gauge steel back box housing
- Highly reflective white painted steel reflector
- 5-year limited warranty covers LED, driver and fixture
- ETL Listed conforming to UL1598 in US and CSA 250 in Canada
- Approved for dry/damp location unless otherwise noted
- Maximum fixture weight is 15lbs per 4ft fixture
- Room-Side Maintenance for LED system
- Buy American Act compliant
- Indigo-Clean available, see Indigo-Clean specification sheets for details

Example Part #: EV4D-HE-830HO-26'-GI-U-OL2-1-0-W

EV4D - ____ - ____ - ____ - ____ - ____ - ____ - ____ - ____ - ____

SHIELDING · SOURCE · LENGTH OR PATTERN · MOUNTING · VOLTAGE · DRIVER · CIRCUITING · BATTERY & EMERGENCY · FINISH · FIXTURE OPTIONS · CONTROLS

SHIELDING	SOURCE Q5,6	LENGTH OR PATTERN5	MOUNTING5
A - Satine Lens Q5 **HE** - High Efficiency Lens Q5 **HED** - Descent Lens **BW** - Batwing Q5 **WHE** - Asymmetric Q5 **AL** - Drop Lens **N** - Arched Regress Lens **R** - Regress Lens *Shielding pg. 2*	**27** ___ - 2700K **30** ___ - 3000K **35** ___ - 3500K *(available as 80CRI)* **40** ___ - 4000K *(available as 80CRI)* **CL** ___ - ___ - Custom Lumens **CW** ___ - ___ - Custom Watts **MOD** - Mod options available *Lumen Output pg. 2-3*	**__** - Individual Fixture Q5 **__ - __** - Continuous Row Q5 **L** - **__** - L Shape Q5 **R** - **__** - Rectangle Q5 **S** - **__** - Square Q5 **U** - **__** - U Shape Q5 **T** - **__** - T Shape **X** - **__** - X Shape **WC** - **__** - Wall to Ceiling Q5 **MOD** - Mod options available *Length and Pattern pg. 3-4*	**G1** - 1" (15/16") T Bar Q5 **G9** - 9/16" T Bar Q5 **GB** - 9/16" Bevel T Bar **GS** - Screw Slot T Bar Q5 **FL** - 1/2" Flange Q5 **NF** - Non Flange Q5 **SF** - Spackle Flange Q5 **MOD** - Mod options available *Mounting pg. 5*

VOLTAGE	DRIVER	CIRCUITING	BATTERY & EMERGENCY7
U - Universal Q5 *(120 thru 277V)* **1** - 120V Q5 **2** - 277V Q5 **3** - 347V *Voltage pg. 5*	**FSD** - Factory Select Driver (1%, 0-10V) Q5,6 **PL2** - Advance Xitanium (1%, 0-10V) Q5,6 **OL2** - eldoLED Optotronic (1%, 0-10V) Q5,6 **OL4** - eldoLED Optotronic 347v (1%, 0-10V) **EE1** - eldoLED ECOdrive (1%, 0-10V) **ES1** - eldoLED SOLOdrive (0.1%, 0-10V) **LH1** - Lutron Hi-lume (1%, EcoSystem) **PR1** - Advance Xitanium SR **MOD** - Mod options available *Driver pg. 6*	**1** - Single Circuit Q5 **M** - Multi Circuit **E** - Emergency Q5 *(entire fixture)* **N** - Night Light Q5, *(entire fixture)* *Circuiting pg. 6*	**0** - None Q5 **FSB** - Factory Select Battery **FSG** - Factory Select ALCR **GI** - Iota ETS DR **GB** - Bodine GTD **JC** - Iota 10W *(CEC Listed)* Q5,6 **P** - Bodine 10W **E** - Emergency Circuit Section **N** - Night Light Circuit Section **L** - Life Safety Circuit Section *Battery and Emergency pg. 6-7*

FINISH	FIXTURE OPTIONS5	CONTROLS5
W - White Q5 **S** - Metallic Silver **BL** - Textured Black **BR** - Bronze **GR** - Graphite **CC** - Custom Color *Finish pg. 7*	**QS** - Quick Ship Q5 **CP** - Chicago Plenum Q5 **FIL** - Field Cut Illuminated Extension **RC** - Rotating Crossbar **GLLR** - Internal Fast Blow Fuse Q5 **DSP** - Customer Supplied Battery/Driver/Sensor **MOD** - Mod options available **FW6** - 6' Flex Whip *Fixture Options pg. 7*	**DLMFC** - Wattstopper DLM *(wired)* **DLMFS** - Wattstopper LLLC *(wireless)* **EASYS** - Philips EasySense *(wireless)* **SNSLM** - Encelium Sensilum *(wireless)* **WVLX** - Eaton Wavelinx *(wireless)* **VDO** - Lutron Vive Sensor *(wireless)* **VSF** - Lutron Vive Connected *(wireless)* **ENL** - Enlighted *(wireless)* **MOD** - Mod options available *Controls pg. 8*

1. When specifying SOURCE the first _ is for specifying either 8 - 80CRI or 9 - 90CRI. The ending ___ are for specifying output, example HO - High Output. If specifying Q5 output is 80 CRI, all color temperatures, all lumen packages. Does not include Tunable White. See output charts for more information. 2. Individual fixtures come in 2',3',4',5',6',7' & 8' lengths. Continuous row come in 1/4" increments. For Patterns specify pattern shape and overall dimensions. Example: L6x4 1, pattern that is 6'x4' 3. Specify mounting for individual or continuous length. G1, G9, G5, FL, NF & SF for continuous rows, GX5, GS5, GS10, FLF, NFN & SFS for individual lengths. 4. Enter quantity for Battery and Emergency, Example 2F 5. Q5 must be used in fixture options section of part number to qualify. LMRA option only available with 120v 6Controls can only be used with Single Circuit (1) or Emergency Circuit (E). See Controls chart on page 5 for driver options and more information.

Specifications and dimensions subject to change without notice. Specification sheets that appear on pinnacle-ltg.com are the most recent version and supersede all other previously printed or electronic versions.

Designed in Denver, CO • USA | pinnacle-ltg.com | O: 303-322-5570

EV4D_LED_SPEC_NOV2023 A brand of legrand®

TYPE 'M'

HYDREL

CATALOG NUMBER
NOTES
TYPE

M9400C

In-Grade Luminaire

HIGHLIGHTS

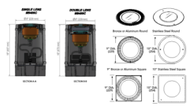
- Factory-sealed LED lamp module and encapsulated power module
- Optical and mechanical aiming with an optional double lens
- Optimal efficiency through photometric improvements
- Color temperature: 27K - 50K
- In-line & 0-10V Dimming
- Seven distributions including very narrow spot & wall wash
- Flow-through technology
- IK09 (IK10 option available)

5 YEAR WARRANTY
LED
IP68
BAA

Specifications	SINGLE LENS	DOUBLE LENS
Length:	9"	9"
	229 mm	229 mm
Width:	9"	9"
	229 mm	229 mm
Height:	16"	16"
	407 mm	407 mm
Weight:	21lbs	23lbs

Weight is based on aluminum material.
For B and SS material add 2lbs.

DIMENSIONS

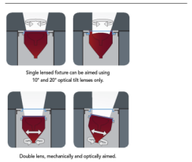


LUMEN PACKAGES

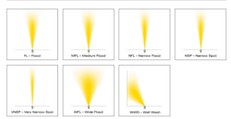
	VNSP	NSP	NFL	MFL	FL	WFL	WWD
Delivered Lumens	2,425	2,527	2,426	2,114	2,254	1,955	1,550
Watts	20	20	20	20	20	20	20
LPW	119	126	122	109	114	99	78
Peak Candela	22,634	15,940	14,728	3,364	2,097	1,423	1,729

Note: Information based on 4000K @ P2 Performance Package - Single lens (MP41DC and MP43DC)

AIMING DETAILS



STANDARD DISTRIBUTION



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Phone: 800-705-SERV (7378) • www.hydrel.com

M9400C LED | Rev. 04/17/23
Page 1 of 7

TYPE 'N8'

MARK ARCHITECTURAL LIGHTING

SPECIFICATIONS TYPE:
PROJECT:

SLOT 1

RECESSED
POWERED BY MODULUS™

HIGHLIGHTS

- 200 to 1000 lumens per foot
- Up to 117 Lumens per Watt
- Flush or regressed lens
- Five distributions; Lambertian, Batwing, Wall Wash, Wall Graze or Asymmetric
- Multiple lens treatment options include drop and edge view
- Shielding provided by integrated deep cell quiet ceiling baffle
- Powered and controlled by Modulus Remote Driver kit that combines all power and control system inputs into a single feed cord
- Flicker free dimming to dark (0.01%) enabled by Modulus power and control architecture with integrated digital nLight® module for system networking
- Total System Integration features 5-year limited warranty by Acuity Brands, covers all components and construction
- UGR data available on Page 3

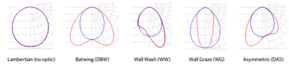
FIXTURE PERFORMANCE

Nominal Lumens/Foot	200LMF	400LMF	600LMF	800LMF	1000LMF
Delivered Lumens/Foot	240	370	550	750	935
Input Watts/Foot*	2.06	3.27	5.08	7.27	9.45
Lumen/Watt	117	113	108	103	99

Based on a 4ft 35K fixture with standard lambertian distribution
**See Modulus power and control driver kit details for wattage consumption.*

nLIGHT eldoLED

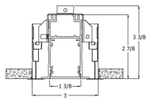
DIRECT DISTRIBUTION



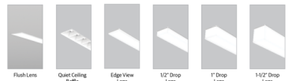
DIMENSIONS

Section View

Detail information on head unit located on Modulus spec sheet.



DIFFUSERS/SHIELDING



AcuityBrands

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SLS_RECESSED 02/14/23

Page 1

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Autodesk Docs://9345.00 ECRC/9345.00 Escambia ECRC WGIMEPFP R24.rvt

No.	Date	Issue / Revision

AARON JOSEPH, PE
PE 85273

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607
ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

LIGHTING CUT SHEETS

DWG NO. AE-004

SHEET NO.

6/19/2025 8:35:35 AM

TYPE 'R3', 'R4', AND 'R6'

OCL ARCHITECTURAL LIGHTING

PROJECT NAME: _____ TYPE: _____

QTY: _____

Solo™

PENDANT/CEILING

PROFILE VIEW

FEATURES

- SINGLE DIRECTION ILLUMINATION WITH FULLY ENCLOSED TOP SURFACE
- AVAILABLE IN 80+ CRI AND 90+ CRI (R9=50)
- FIXTURES CAN BE CLUSTERED TOGETHER TO CREATE LARGE SCALE INSTALLATIONS
- CUSTOMIZABLE SIZES AND SHAPES
- THICK WALL ALUMINUM EXTRUSION WITH MINIMAL FIXTURE CROSS SECTION SIZE
- INTEGRAL DRIVERS

Declare. bios

CATALOG CODES

SL1	-		-		-	MW	-		-	/		-	UNV	-		-		-		-	
SERIES		HANGING SYSTEM		SIZE		DIFFUSER		FINISH		LIGHT SOURCE			VOLTAGE		OAH		CONTROL		OPTIONS		

SPECIFY CATALOG CODE

A	B		C	D	E	
SERIES	**HANGING SYSTEM**		**SIZE**	**DIFFUSER**	**FINISH***	
SL1 SOLO	**PIEM**	PENDANT WITH VERTICAL AIRCRAFT CABLES TO SEPARATE MOUNTING POINTS AND POWER CORD TO CANOPY	24	MW MATTE WHITE	**POWDER COAT FINISHES**	
			36		BKP BLACK	MWP MATTE WHITE
	PIEE	PENDANT WITH ANGLED AIRCRAFT CABLES AND POWER CORD TO COLLECTOR THEN SINGLE CENTER STEM TO CANOPY. **(NOTE:** PIEE ONLY AVAILABLE ON 72" SIZE AND SMALLER)	48		BNP BRASS METALLIC	SGP STEEL GRAY
			60		BNP BRONZE	SMP SILVER METALLIC
			72		BTP BLACK TEXTURED	SWP SKY WHITE
			96		GRP GRAPHITE	WTP WHITE TEXTURED
		NOTE: FOR **PIEM** AND **PIEE**, POWER CORD WHITE UNLESS SPECIFIED	120		GLP GOLDFASTIC	
	CINA	SURFACE CEILING MOUNT			**PREMIUM METAL FINISHES**	
					BAL BRUSHED ALUMINUM	

F			G	H	I	J
LIGHT SOURCE			**VOLTAGE**	**OAH***	**CONTROL**	**OPTIONS**
LED OUTPUT	**COLOR TEMP** (80+ CRI)	**COLOR TEMP** (90+ CRI)	**UNV** 120-277	**48**	**DM1** 0-10V DIMMING 1%	**ULD** DAMP LABEL
LED1	**27K**	**927K**		**100**		**BIOS** BIOS SKYBLUE™ OR BIOS SKYBLUE™ DYNAMIC LIGHT ENGINE**
LED2	**30K**	**930K**		**144**		**MOD** MODIFIED LUMINAIRE (CONTACT LOCAL REP)
	35K	**935K**		**FOR PIEE:** SPECIFY IN INCHES		
	40K	**940K**		**NOTE:** LEAVE BLANK WITH **CINA**		

SAMPLE CODE: SL1-PIEM-24-MW-WTP-LED1/35K-UNV-48-DM1

*For Minimum OAH, see hanging systems details. PIEM will ship with one of three standard OAH's (48", 100" or 144") field adjustable to the desired height.

Contact factory for **BIOS SkyBlue™ or **BIOS SkyBlue™ Dynamic** light engine and control options.

Fixtures with PIEM hanging system, canopy will be MWP unless specified.

Fixtures with PIEE hanging system, canopy will match finish choice.

UP TO 86 LM/W

LUMENS AND WATTAGE CHART

		24"	36"	48"	60"	72"	96"	120"
LED1	LUMENS DELIVERED	4300	7740	10320	12900	15480	21500	26660
	SYSTEM WATTAGE	50	90	120	150	180	250	310
LED2	LUMENS DELIVERED	5160	10320	13760	17200	19920	28180	35690
	SYSTEM WATTAGE	60	120	160	200	220	330	415

This chart was created for a 35K color temp. Multiply by 0.95 for 27K color temp, 0.97 for 30k color temp, and 1.03 for 40k color temp. Wattage and lumen data approx. pending LM-79 testing.

Values shown for 80+ CRI. For 90+ CRI lumens use 0.85 multiplier.

MODS, NOTES, & COMMENTS

Designed and Fabricated in St. Louis, Missouri • USA

p: 314.863.1895 | f: 314.863.3278 | www.ocl.com

A brand of legrand

TYPE 'SA', 'SB'

Date: _____ Customer: _____

Project: _____

Type: _____ Qty: _____

selux

Arca LED Gen5

Order Code: ACL _____ - _____ - _____ - _____ - _____ - _____ - _____ - _____ - _____

Pole Order Code: _____ - _____ - _____ - _____ - RN - _____ - _____ - _____ - _____

	Series	Height	Finish	Rvnut Pairs	Options	Rvnut Locations (see page 4)

ACL	Series	ACL Arca LED					
	Optics	R1 Type I	R2 Type II	R3 Type III	R4 Type IV	R5R Type V (Round)	R5S Type V (Square)
	Mounting	S1 Single	S2 Double	SBX[1] Traverse Mount	W Wall Mount		[1]Max 4 heads (SB4).
	Light Engine	5G1350 Single LED 2491/2520lm	5G1530 Single LED 5061/5140lm	5G1800 Single LED 5461/5540lm	5G2350[2] Double LED 4846/5040lm	5G2530[2] Double LED 6961/7579lm	5G2800[2] Double LED 10061/9920lm
	CCT	27[3,4] 2700K	30[3] 3000K	35* 3500K	40 4050K	50* 5000K	* Based on R1 distribution and 3000K CCT. [3] Only available with S1 and S2 mounting. [2]3500K and 3000K DarkSky approved. [4] Consult factory for lead time.
	Finish	WH White	BK Black	BL Semi-Matte Black	BZ Bronze	SV Silver	SP Specify Premium Color
	Voltage	UNV 120V-277V	120 120V	240 240V	277 277V	347[4,5] 347V	480[4,5] 480V [4]Max 3 heads (SB3). 5G1350, 5G1530, 5G1800, 5G2350 come with step-down transformer in hand hole. [5]1-5G2350 come with stepdown transformer in hand hole.
	Options	DM[2] Dimming (0-10V)	HS[1] House Side Shield	TLR[1] Twist Lock Receptacle 7-Pin with Shorting cap	TLRP[1] Twist Lock Receptacle with Photocell	MS[1] Motion Sensor (Meets Title 24 Requirements) See page 6 for Order Code	*Type I, II, III, and IV only [2] DM, TLR, or MS only. Cannot be combined TLR, TLRP or MS only. Cannot be combined.

Product Modifications

Please list modification requirements for review by factory:

Approvals

Date:

DLC PREMIUM | NSF/ANSI 2 | RoHS | IP65 | IK08 | UL/CSA WET LOCATION LISTED

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In a continuing effort to offer the best product possible, we reserve the right to change, without notice, specifications or materials that in our opinion will not alter the function of the product. Specification sheets found at www.selux.us are the most recent versions and supercede all other printed or electronic versions.

TYPE 'X'

LITHONIA LIGHTING®

Catalog Number

Notes

Type

FEATURES & SPECIFICATIONS

INTENDED USE — Suitable for applications requiring attractive edge-lit exit signage, universal installation and low energy consumption.

CONSTRUCTION — Extruded brushed aluminum finish.

Clear acrylic panels: letters measure 6" high with 3/4" stroke, with 100 ft viewing distance rating, based upon UL 924 standard.

For single-face clear panels, EXIT is seen as a reversed image from the back.

OPTICS — LEDs mounted on printed circuit board. The typical life of the exit LED lamp is 5 years, based on 24/7 operation.

The LED operating frequency is 120Hz.

ELECTRICAL — Dual voltage input capacity (120/277V).

Battery: (EL Option) – Sealed, maintenance free nickel-cadmium battery delivers 90 minutes capacity to emergency lamps. Test switch provides manual activation of 30-second diagnostic testing for on-demand visual inspection.

Self-diagnostic testing (EL Option Only) for 30 seconds every 30 days and 90 minutes annually. Diagnostic evaluation of LED light source, AC to DC transfer, charging and battery condition.

INSTALLATION — EDG – Universal mounting canopy for top or end mount. Back mount standard for single face only. Canopy provided.

EDGR – Recessed mounting. Bar hanger and brackets provided for both new or restricted ceiling access installation applications. Available for use in drop ceiling applications. Back wall mount (WM) option.

Universal directional indicators. Field selected and attached.

LISTINGS — UL damp location listed 32°-122°F (0°-50°C) standard. Meets UL924, NFPA 101 (current Life Safety Code), NEC and OSHA illumination standards. Meets all applicable FCC Title 47, Part 15, Subpart B requirements.

BUY AMERICAN ACT — Product with the BAA option is assembled in the USA and meets the Buy American(a) government procurement requirements under FAR, DFARS and DOT regulations.
Please refer to www.acuitybrands.com/buy-american.pro for additional information.

WARRANTY — 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

NOTE: Actual performance may differ as a result of end-user environment and application.
All values are design or typical values, measured under laboratory conditions at 25 °C.
Specifications subject to change without notice.

† Exit Signs Certified in the CA Title 20 Appliance Efficiency Database.

LED Edge-Lit Exits

EDG
EDGR

LED Lamps

EDG (surface mount)

EDGR (recessed mount)

Specifications

EDG (End Mount)	EDG (Top Mount)
Length: 13 (33.0)	Length: 13-5/8 (34.6)
Depth: 5-1/2 (14.0)	Depth: 4-5/16 (11.0)
Height: 11-1/8 (28.3)	Height: 11-3/4 (29.8)
Shipping Weight: 4 lbs (1.8 kgs)	Shipping Weight: 4 lbs (1.8 kgs)
EDG (Back Mount)	**EDGR**
Length: 13 (33.0)	Length: 13 (33.0)
Depth: 3-27/42	Depth: 5-3/4 (14.6)
Height: 11-1/8 (28.3)	Height: 8 (20.3)
Shipping Weight: 4 lbs (1.8 kgs)	Shipping Weight: 6.8 lbs (3.1 kgs)
	Shipping Weight (WM option): 8.1 lbs (3.7 kgs)

All dimensions are inches (centimeters) unless otherwise noted.

design select

Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit www.acuitybrands.com/designselect.

*See ordering tree for details

Design Select options indicated by this color background.

ORDERING INFORMATION For shortest lead times, configure products using **bolded options**. **Example:** EDG 1 R EL

Family	Housing color	Number of faces	Letter color		Operations	Options
EDG Surface mount LED edge-lit exit	**(blank)** Brushed aluminum	**1** Single face	**R** Red on clear (single face only)[1]	**RMR** Red on mirror[1]	**(blank)** AC only	**(blank)** None
EDGR Recessed LED edge-lit exit	**W** White	**2** Double face	**G** Green on clear (single face only)[1]	**GMR** Green on mirror[1]	**EL** Nickel-cadmium battery	**WM** Recessed wall mount[2]
				RW Red on white[1]	**X2** Lamp wired on two separate AC circuits (specify 120V or 277V)[3]	**BAA** Buy American(a) Act Compliant
				GW Green on white[1]	**SD** Self-diagnostics[4]	

Accessories: Order as separate item.	
ELA U512	12" stem kit with brushed aluminum canopy[8]
ELA W U512	12" stem kit with white canopy[8]
ELA WG1	Wireguard (13 3/4"W x 15 1/4"W x 6" D, back mount only)

Notes
1 For single-face clear panels, EXIT is seen as a reversed image from the back.
2 Available with single and double face.
3 White panel standard for double and single face.
4 Both circuits can be energized at the same time.
5 Not available with EL and SD options.
6 Available with EL option only.
7 Available on EDGR single face only.
8 See spec sheet ELA-Stem816. Only available for EDG.

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No.	Date	Issue / Revision

AARON JOSEPH, PE
PE 85273

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607
ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

LUMINAIRE CUT SHEETS

DWG NO. AE-005

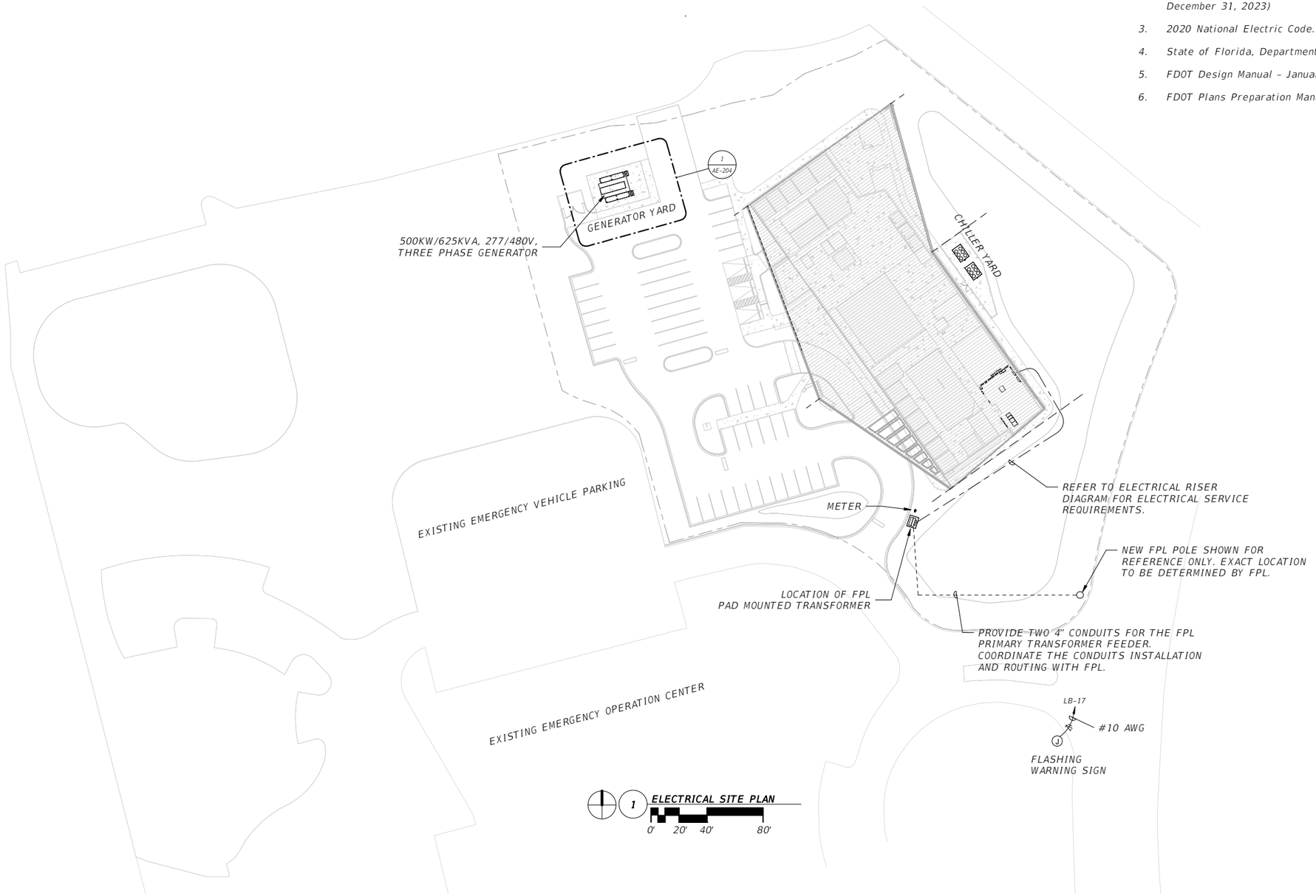
SHEET NO.

6/19/2025 8:35:36 AM

APPLICABLE CODES, GUIDELINES AND STANDARDS

The electrical systems will be designed in accordance with the following codes, guidelines and standards.

1. *Florida Building Code (FBC) 8th Edition (2023) (Effective December 31, 2023): This code includes the 2023 FBC Building, Mechanical, Plumbing, Energy Conservation, Fuel Gas, Accessibility, and Test Protocols volumes. Further, see "Referenced Standards" in the FBC Building Chapter 35; FBC Mechanical Chapter 15; FBC Plumbing Chapter 15; FBC Energy Conservation Chapter 6; and FBC Fuel Gas Chapter 8).*
2. *8th Edition of the Florida Fire Prevention Code (FFPC): This code also includes the Florida versions of NFPA 1 and NFPA 101. (Effective December 31, 2023)*
3. *2020 National Electric Code.*
4. *State of Florida, Department of Environmental Regulation Rules.*
5. *FDOT Design Manual – January 1, 2017*
6. *FDOT Plans Preparation Manual – January 1, 2017*



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FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

ELECTRICAL SITE PLAN

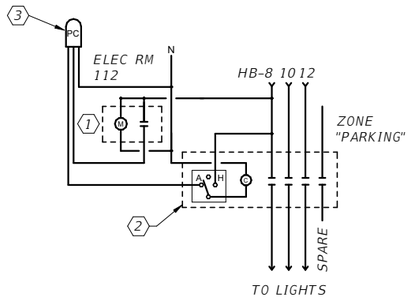
DWG NO. AE-006

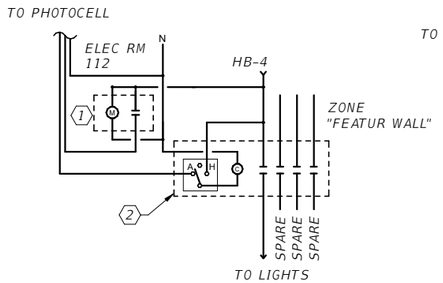
SHEET NO.

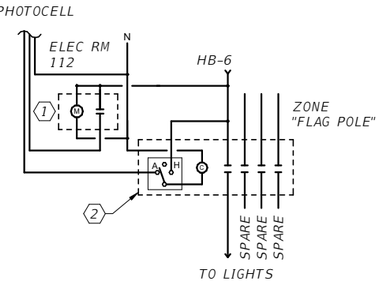
6/19/2025 8:35:38 AM

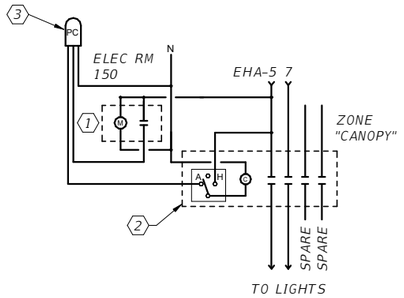
DIAGRAM NOTES

1. 7-DAY, ASTRONOMICAL DIGITAL TIME CLOCK FOR EXTERIOR LIGHTING. 277V, SINGLE POLE, DOUBLE THROW WITH BATTERY BACKUP. TORK EWZ201 OR APPROVED EQUIVALENT. CIRCUIT TIME CLOCK MOTOR TO ON THE UNSWITCHED LEG OF THE LIGHTING CIRCUIT.
2. ELECTRICALLY OPERATED, ELECTRICALLY HELD LIGHTING CONTACTOR FOR LIGHTING CONTROL, 30A, 480V. RATED CONTACTS, 4 POLE, WITH A 277V, COIL, NEMA 1 ENCLOSURE, SQUARE D CLASS 8903 TYPE LG OR EQUAL.
3. PROVIDE PHOTOCELL FOR OVER-RIDE. MOUNT PHOTOELECTRIC CELL INCONSPICUOUSLY ON THE WALL FACING NORTH. COORDINATE EXACT LOCATION AND MOUNTING IN THE FIELD FOR MAXIMUM PERFORMANCE.









EXTERIOR LIGHTING CONTROL DIAGRAMS

NOT TO SCALE

1 LIGHTING SITE PLAN

0' 20' 40' 80'

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FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

LIGHTING SITE PLAN

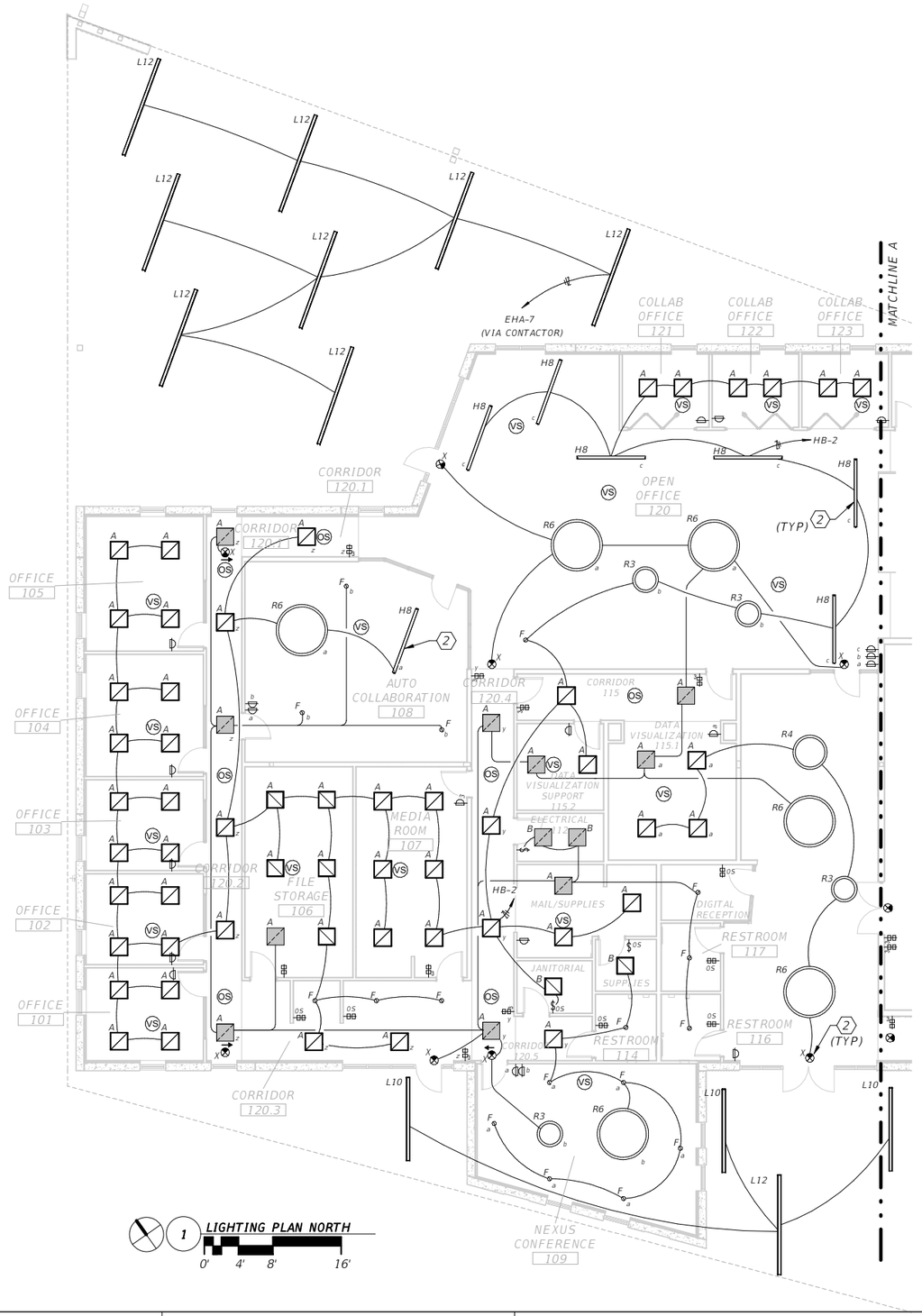
DWG NO. AE-007

SHEET NO.

6/19/2025 8:35:40 AM

DRAWING NOTES:

1. EXIT LIGHTS SHALL BE CONNECTED TO LOCAL LIGHTING CIRCUIT BUT SHALL NOT BE SWITCHED.
2. ALIGN BOTTOM OF LUMINAIRE TYPE 'H8' WITH THE BOTTOM OF THE BAFFLE.



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WGI, INC.
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SUITE 375
TAMPA, FL 33607
ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

LIGHTING PLAN NORTH

DWG NO. AE-101

SHEET NO.

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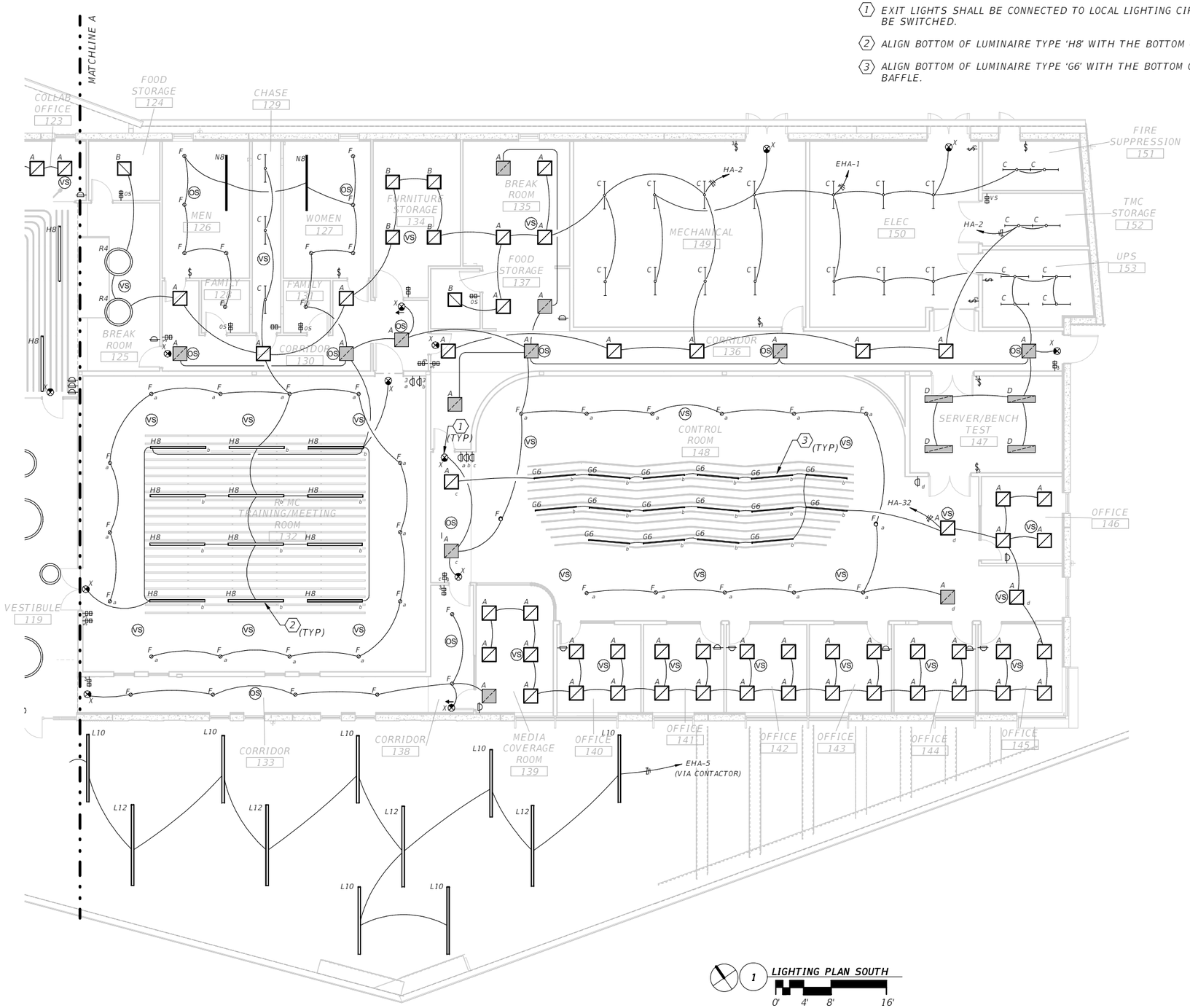
6/19/2025 8:35:41 AM

DRAWING NOTES:

1. EXIT LIGHTS SHALL BE CONNECTED TO LOCAL LIGHTING CIRCUIT BUT SHALL NOT BE SWITCHED.
2. ALIGN BOTTOM OF LUMINAIRE TYPE 'H8' WITH THE BOTTOM OF THE BAFFLE.
3. ALIGN BOTTOM OF LUMINAIRE TYPE 'G6' WITH THE BOTTOM OF THE NEXT LOWER BAFFLE.



1 LIGHTING PLAN SOUTH
0' 4' 8' 16'

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FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

LIGHTING PLAN SOUTH

DWG NO. AE-102

SHEET NO.

6/19/2025 8:35:42 AM

NOTE:
REFER TO SPECIFICATION 260923 FOR MORE REQUIREMENTS. LIGHTING CONTROL SYSTEM SHALL BE SEAMLESSLY INTEGRATED INTO AND BE SUBSERVIENT TO THE MASTER BUILDING CONTROLS SYSTEM. THE MASTER SYSTEM WILL HAVE OTHER SUBSERVIENT SYSTEMS INTEGRATED INTO IT. THE MASTER SYSTEM IS SPECIFIED IN SECTION 281300 ACCESS CONTROL SOFTWARE AND DATABASE MANAGEMENT.

1 LIGHTING CONTROLS PLAN NORTH
0' 4' 8' 16'

LIGHTING CONTROL PRODUCT LEGEND

SYMBOL	DESCRIPTION
SXA PDT	WSXA PDT XX Wall Switch Sensor, Passive Dual Technology
SXA PDT SA	WSXA PDT SA XX Wall Switch Sensor, Passive Dual Technology, Vacancy (default) or Auto-On
nBRG 8KIT	BG1 NBRG 8 KIT nLight Bridge, 8 ports, Kit
ETS 20DR	NPP16 ER EFP SAETS20 DR HITEMP M20 Emergency Control Device, 0-10V Dimming Relays
nPOD MA	NPODMA XX nLight Wired Aesthetic Wallpod
nPOD MADX	NPODMA DX XX nLight Wired Aesthetic Wallpod, Raise/Lower Dimming Without Wires
nCP 10	NCM PDT 10 RJB Low Voltage Ceiling Mount Sensor, Passive Dual Technology, Large Motion / Extended Range 360° Lens, Rear RJ-45 Ports
nCP 9	NCM PDT 9 RJB Low Voltage Ceiling Mount Sensor, Passive Dual Technology, Small Motion / Standard Range 360° Lens, Rear RJ-45 Ports
nP 16	NPP16 EFP Power/Relay Pack, External Fault Protection
nP 16 ER SA	NPP16 ER EFP SA Power/Relay Pack, UL924 Emergency Operation, External Fault Protection, Vacancy (default) or Auto-On
nP 16 SA	NPP16 EFP SA Power/Relay Pack, External Fault Protection, Vacancy (default) or Auto-On
nP 16D	NPP16 D EFP Power/Relay Pack, Occupancy Controlled Dimming, External Fault Protection
nP 16D ER	NPP16 D ER EFP Power/Relay Pack, Occupancy Controlled Dimming, UL924 Emergency Operation, External Fault Protection
nP 16D ER SA	NPP16 D ER EFP SA Power/Relay Pack, Occupancy Controlled Dimming, UL924 Emergency Operation, External Fault Protection, Vacancy (default) or Auto-On
nP 16D SA	NPP16 D EFP SA Power/Relay Pack, Occupancy Controlled Dimming, External Fault Protection, Vacancy (default) or Auto-On
nECY BAC	NECY MVOLT BAC ENC nLight Eclypse, 120-277v, BACnet Enclosure for nLight ECLYPSE

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SUITE 375
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ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO

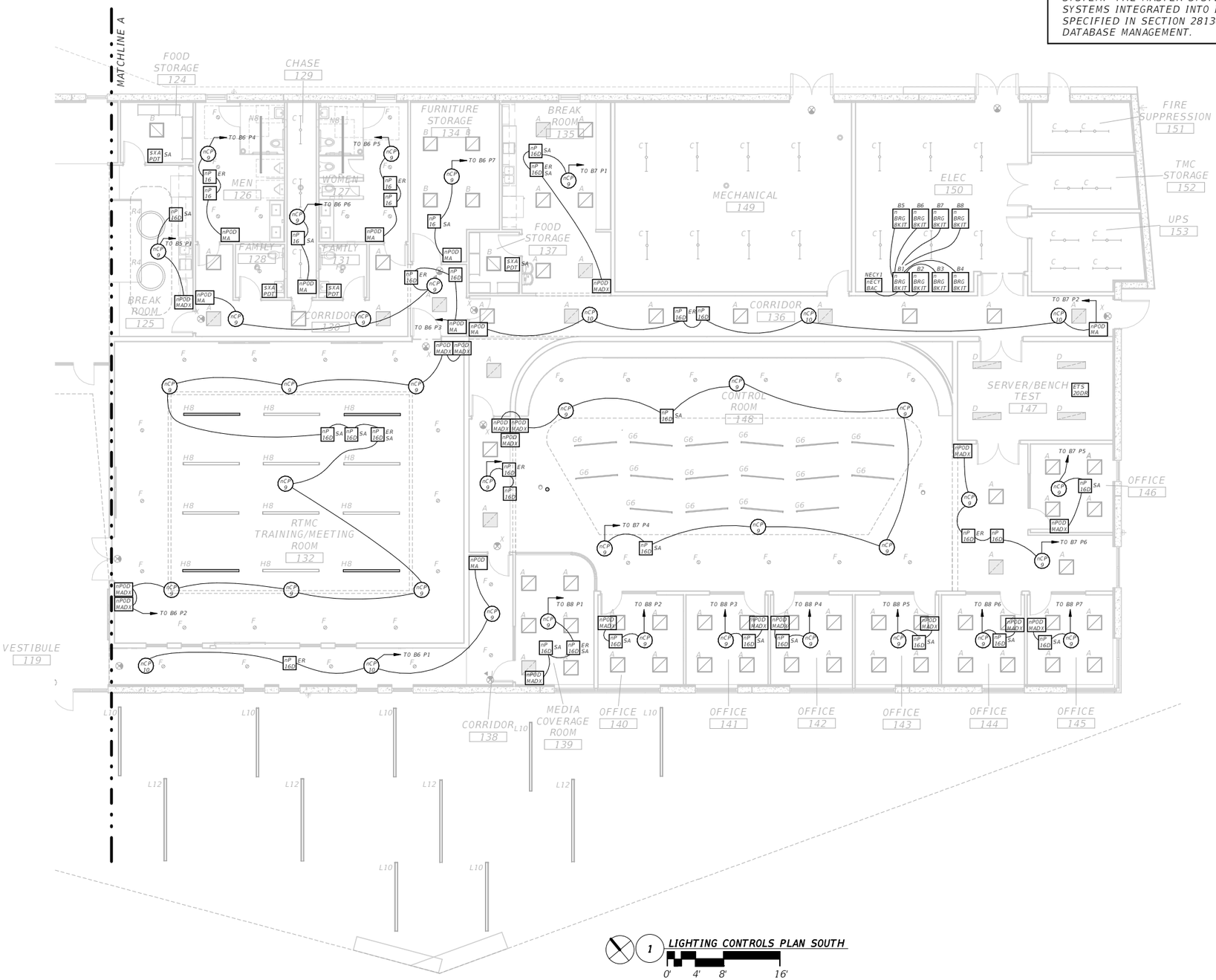
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

LIGHTING CONTROLS PLAN NORTH

DWG NO. AE-103
SHEET NO.

6/19/2025 8:35:44 AM

NOTE:
REFER TO SPECIFICATION 260923 FOR MORE REQUIREMENTS. LIGHTING CONTROL SYSTEM SHALL BE SEAMLESSLY INTEGRATED INTO AND BE SUBSERVIENT TO THE MASTER BUILDING CONTROLS SYSTEM. THE MASTER SYSTEM WILL HAVE OTHER SUBSERVIENT SYSTEMS INTEGRATED INTO IT. THE MASTER SYSTEM IS SPECIFIED IN SECTION 281300 ACCESS CONTROL SOFTWARE AND DATABASE MANAGEMENT.



1 LIGHTING CONTROLS PLAN SOUTH
0' 4' 8' 16'

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FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

LIGHTING CONTROLS PLAN SOUTH

DWG NO. AE-104
SHEET NO.

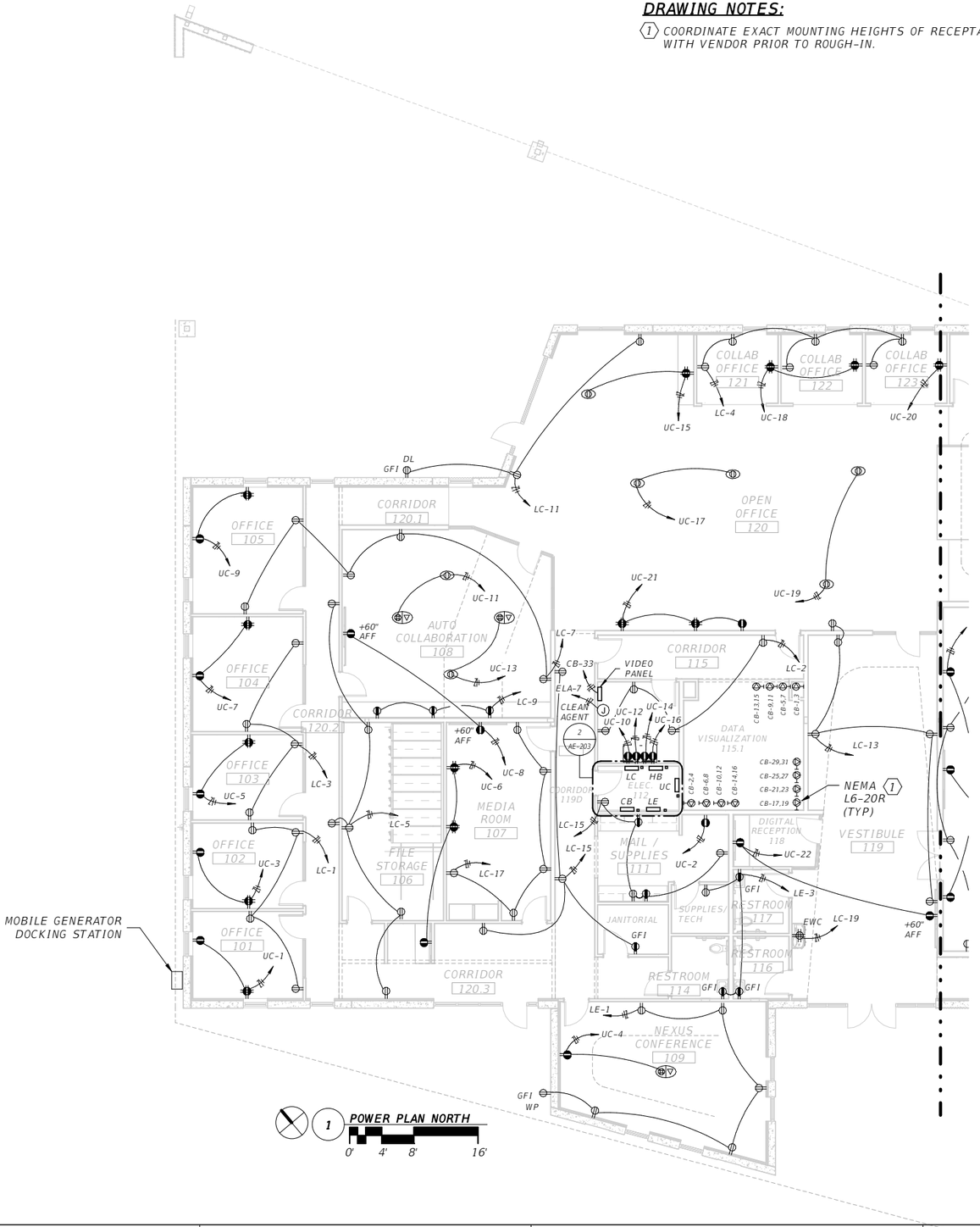
6/19/2025 8:35:45 AM

DRAWING NOTES:

1. COORDINATE EXACT MOUNTING HEIGHTS OF RECEPTACLES WITH VENDOR PRIOR TO ROUGH-IN.

GENERAL NOTES:

1. BOND ALL CABLE TRAYS TO THE GROUNDING SYSTEM USING A MINIMUM #6 AWG INSULATED COPPER CONDUCTOR FROM THE TRAY TO A GROUND BAR OR STRUCTURAL STEEL. BOND A MINIMUM OF EVERY 50 FEET, OR MORE OFTEN AS REQUIRED BY THE CABLE TRAY SPECIFICATIONS. COORDINATE WITH THE IT DRAWINGS WHERE THE CABLE TRAY IS SHOWN.
2. BOND ALL RAISED FLOORING METAL SUPPORT STRUCTURES USING A MINIMUM #6 AWG INSULATED COPPER CONDUCTOR FROM THE FLOOR SUPPORT TO A GROUND BAR OR STRUCTURAL STEEL. BOND A MINIMUM OF EVERY 50 FEET, OR MORE OFTEN AS REQUIRED BY THE FLOORING SPECIFICATIONS. COORDINATE WITH THE ARCHITECTURAL DRAWINGS WHERE THE RAISED FLOOR IS SHOWN/SPECIFIED.



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FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

POWER PLAN NORTH

DWG NO. AE-201

SHEET NO.

6/19/2025 8:35:47 AM

GENERAL NOTES:

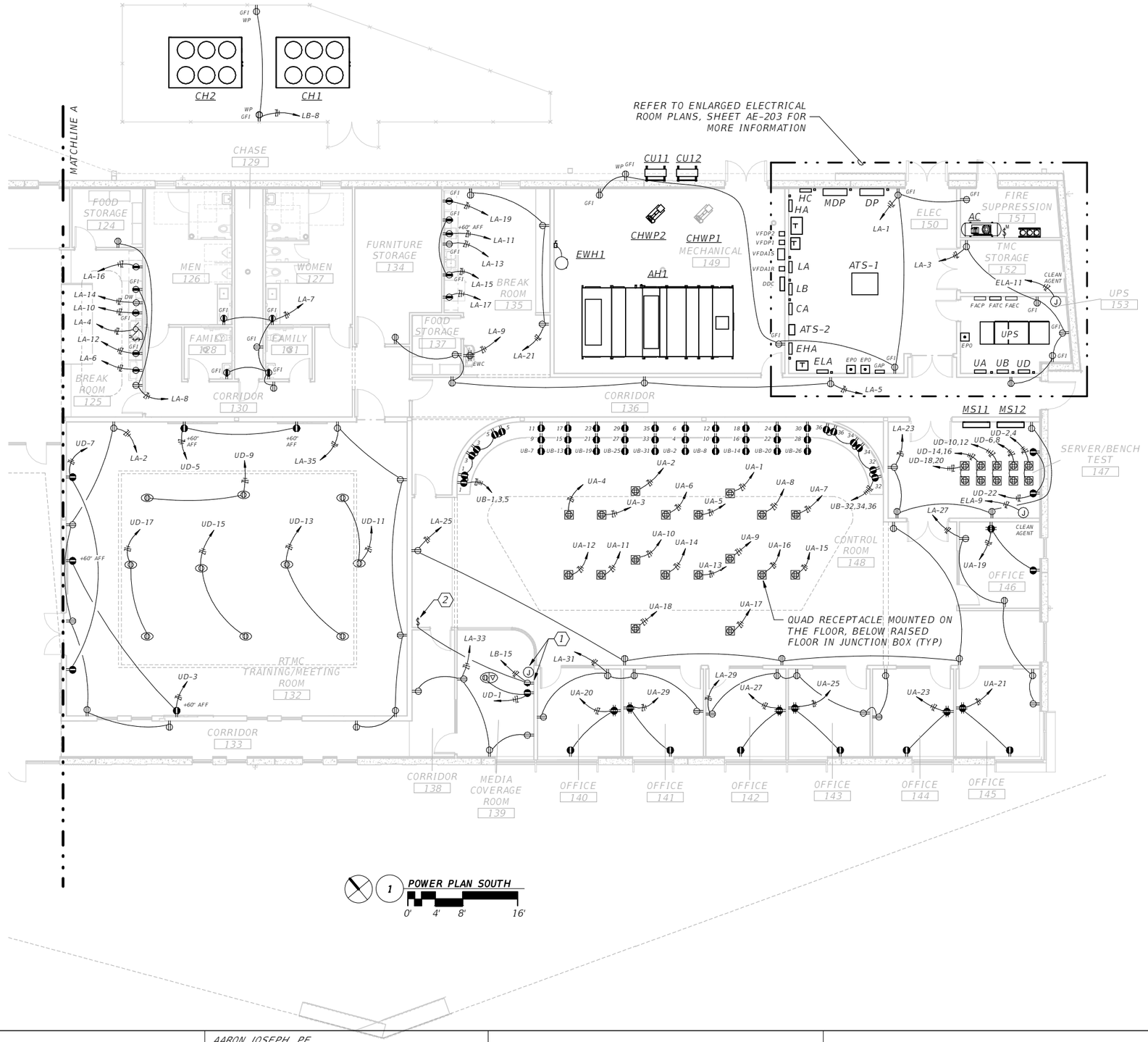
1. BOND ALL CABLE TRAYS TO THE GROUNDING SYSTEM USING A MINIMUM #6 AWG INSULATED COPPER CONDUCTOR FROM THE TRAY TO A GROUND BAR OR STRUCTURAL STEEL. BOND A MINIMUM OF EVERY 50 FEET, OR MORE OFTEN AS REQUIRED BY THE CABLE TRAY SPECIFICATIONS. COORDINATE WITH THE IT DRAWINGS WHERE THE CABLE TRAY IS SHOWN.

2. BOND ALL RAISED FLOORING METAL SUPPORT STRUCTURES USING A MINIMUM #6 AWG INSULATED COPPER CONDUCTOR FROM THE FLOOR SUPPORT TO A GROUND BAR OR STRUCTURAL STEEL. BOND A MINIMUM OF EVERY 50 FEET, OR MORE OFTEN AS REQUIRED BY THE FLOORING SPECIFICATIONS. COORDINATE WITH THE ARCHITECTURAL DRAWINGS WHERE THE RAISED FLOOR IS SHOWN/SPECIFIED.

DRAWING NOTES:

1. PROVIDE SWITCHED DUPLEX RECEPTACLE AND JUNCTION BOX FOR INSTALLATION OF PRIVACY GLASS IN MEDIA COVERAGE ROOM.

2. COORDINATE THE EXACT LOCATION OF THE ON/OFF SWITCH FOR RECEPTACLE PROVIDING POWER TO PRIVACY GLASS WITH OWNER PRIOR TO ROUGH-IN.



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FLORIDA-ALABAMA TPO

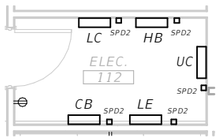
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

POWER PLAN SOUTH

DWG NO. AE-202

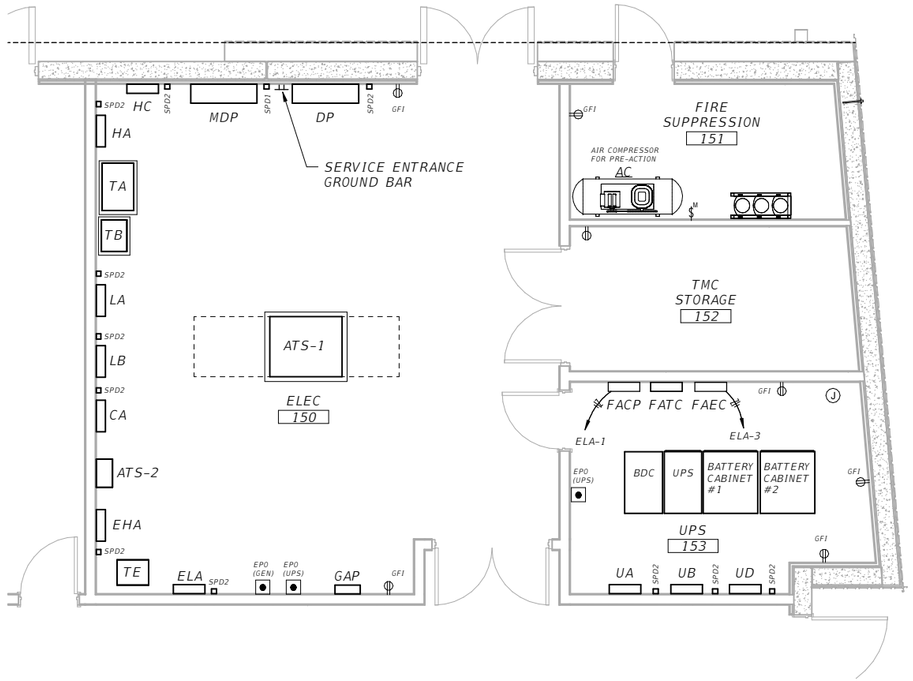
SHEET NO.

6/19/2025 8:35:48 AM



2 **ENLARGED ELECTRICAL ROOM PLAN - ROOM 112**

0' 2' 4' 8'



1 **ENLARGED MAIN ELECTRICAL ROOM**

0' 2' 4' 8'

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GENERAL DISCLAIMER: TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH FBC 110.8.4.4 AND CHAPTER 63, FLORIDA STATUES.

Autodesk Docs://9345.00 ECRC/9345.00 Escambia ECRC WGIMEPFP R24.rvt

No.	Date	Issue / Revision

AARON JOSEPH, PE
PE 85273

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607
ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

ENLARGED ELECTRICAL ROOM PLANS

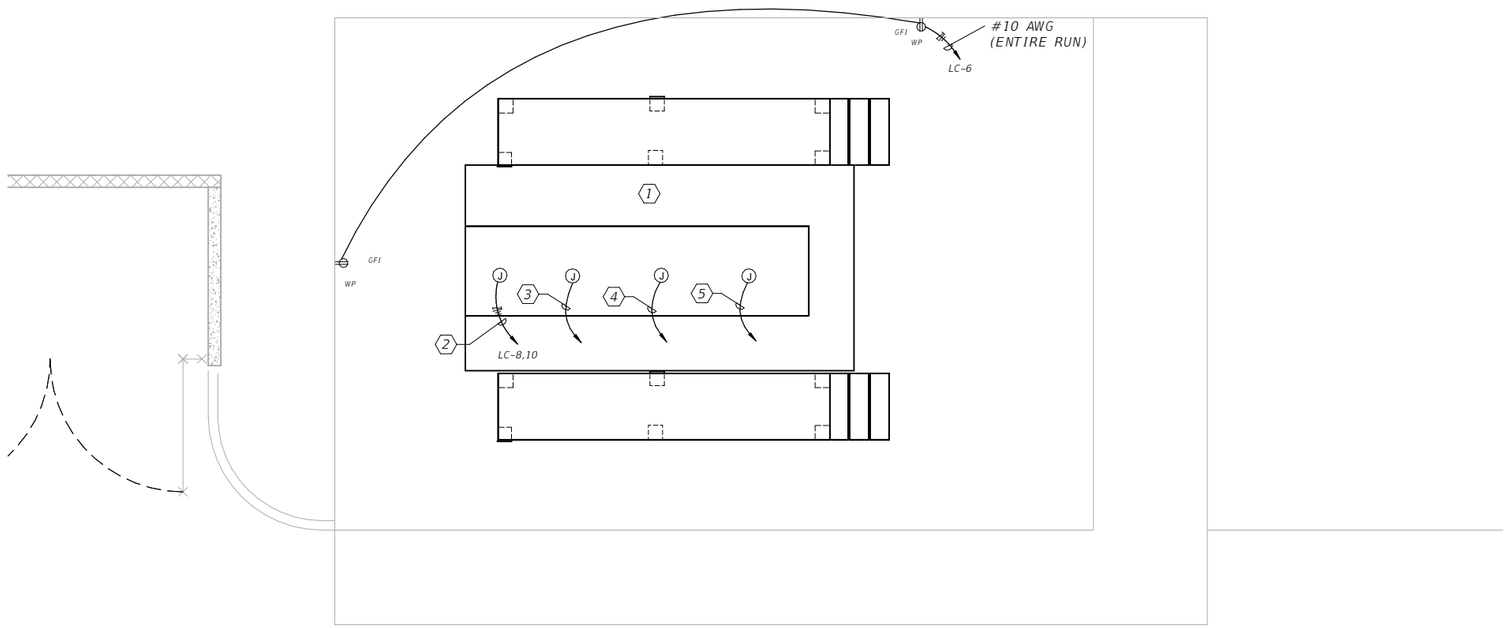
DWG NO. AE-203

SHEET NO.

6/19/2025 8:35:48 AM

DRAWING NOTES:

1. 500KW/625KVA, 277/480V, THREE PHASE DIESEL ENGINE DRIVEN GENERATOR
2. PROVIDE A 60 AMP, 208 VOLT, 1 PHASE CIRCUIT (1-1/4"C.; 3-#4, 1-#4 NEUTRAL, 1-#8 GROUND) FOR THE GENERATOR LOADCENTER MOUNTED INTEGRAL TO THE GENERATOR ENCLOSURE. LOADCENTER HAS FACTORY WIRED AND CONNECTED CIRCUITS FROM THE LOADCENTER TO THE BATTERY CHARGER, JACKET WATER HEATER, BLOCK HEATER, ENCLOSURE LIGHTS, RECEPTACLE, ETC. GENERATOR WILL BE PROVIDED WITH REQUIRED BREAKERS IN THE LOADCENTER FOR EACH CIRCUIT.
3. 1" CONDUIT WITH EPO CABLING TO ELECTRICAL ROOM 150.
4. 1-1/4" CONDUIT WITH ATS CONTROL WIRING TO AUTOMATIC TRANSFER SWITCH.
5. 1" CONDUIT WITH GENERATOR REMOTE ANNUNCIATION CABLING.



1 ENLARGED GENERATOR/CHILLER YARD PLAN

0' 2' 4' 8'

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FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

ENLARGED GENERATOR/CHILLER YARD PLAN

DWG NO.
AE-204
SHEET NO.

6/19/2025 8:35:49 AM

1 MECHANICAL EQUIPMENT CONNECTION PLAN NORTH

0' 4' 8' 16'

No.	Date	Issue / Revision

AARON JOSEPH, PE
PE 85273

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607
ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

MECHANICAL EQUIPMENT CONNECTION PLAN NORTH

DWG NO. AE-205

SHEET NO.

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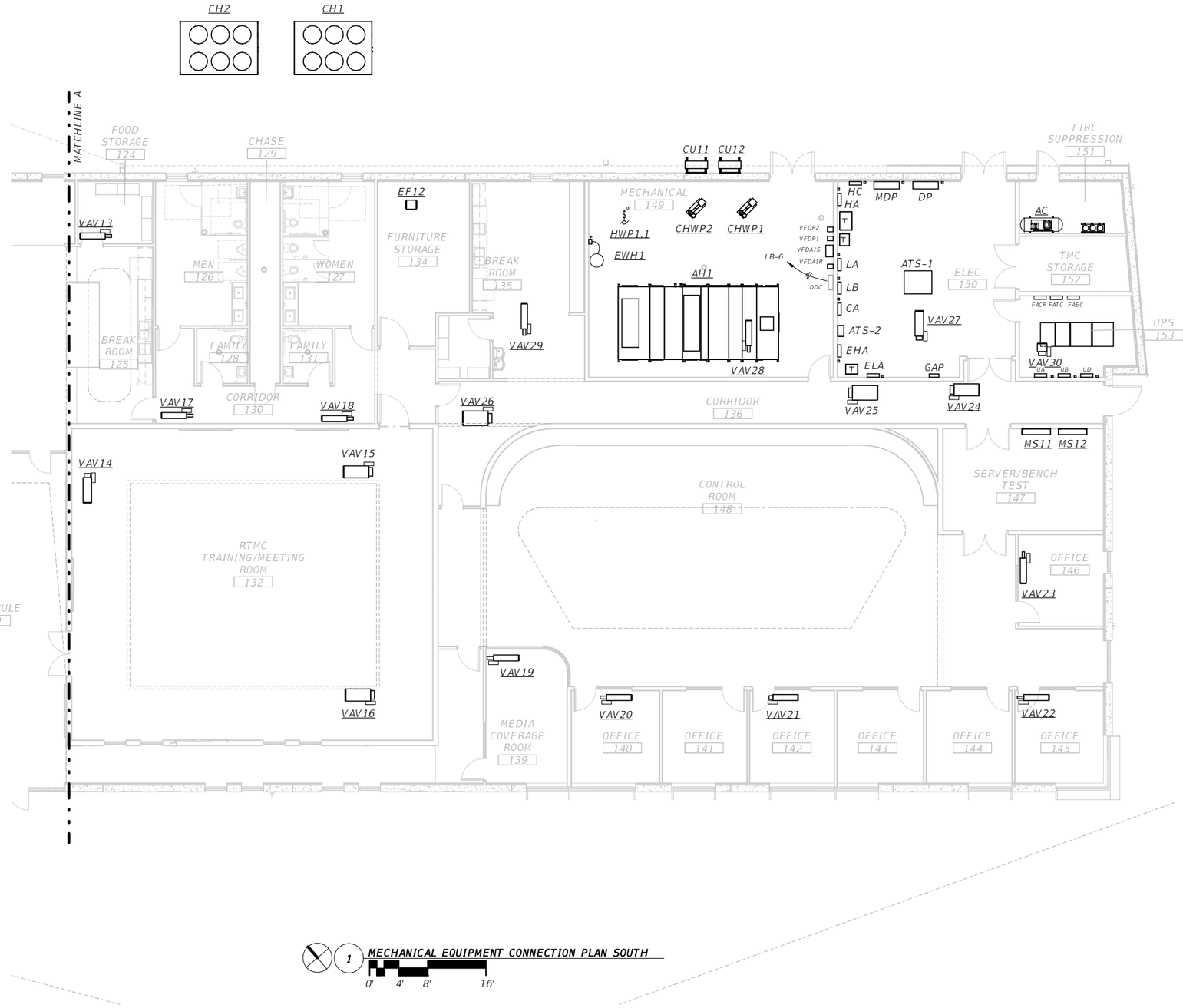

1 MECHANICAL EQUIPMENT CONNECTION PLAN SOUTH

0' 4' 8' 16'

No.	Date	Issue / Revision

AARON JOSEPH, PE
PE 85273

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607
ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

MECHANICAL EQUIPMENT CONNECTION PLAN SOUTH

DWG NO. AE-206

SHEET NO.

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6/19/2025 8:35:51 AM

MECHANICAL EQUIPMENT CONNECTION SCHEDULE

MARK	ROOM NO.	VOLTAGE/ PHASE	KW	HP	FLA	MCA	BREAKER	HOMERUN CIRCUIT	CONDUIT & CABLING	COMBINATION STARTER/DISCONNECT SWITCH					INTERLOCK/REMARKS
										SIZE AMPS	POLES	FUSE	STARTER SIZE	NEMA RATING	
AIR HANDLER															
AH1	149	480/3	–	(2) 20.0	54.0	60.8	70	HC-1,3,5	1-1/4"C.; 3-#4, 1-#8 GND.	VFD	–	–	–	–	VFDA1S
		480/3	–	(1) 2.0	3.4	4.3	20	HC-7,9,11	3/4"C.; 3-#12, 1-#12 GND.	VFD	–	–	–	–	VFDA1R
		120/1	–	–	–	–	20	LB-13	3/4"C.; 2-#12, 1-#12 GND.	–	–	–	–	–	ENERGY RECOVERY WHEEL
CHILLER															
CH1	YARD	480/3	–	–	151.8	166.0	200	DP-25,27,29	3"C.; 3-#3/0, 1-#6 GND.	DIV23	–	–	–	–	–
		120/1	–	–	–	–	20	LB-10	3/4"C.; 2-#12, 1-#12 GND.	MRS	–	–	–	–	–
CH2	YARD	480/3	–	–	151.8	166.0	200	DP-31,33,35	3"C.; 3-#3/0, 1-#6 GND.	DIV23	–	–	–	–	–
		120/1	–	–	–	–	20	LB-12	3/4"C.; 2-#12, 1-#12 GND.	MRS	–	–	–	–	–
PUMPS															
CHWP1	149	480/3	–	5.0	7.6	9.5	20	HC-13,15,17	3/4"C.; 3-#12, 1-#12 GND.	VFD	–	–	–	–	VFDP1
CHWP2	149	480/3	–	5.0	7.6	9.5	20	HC-19,21,23	3/4"C.; 3-#12, 1-#12 GND.	VFD	–	–	–	–	VFDP2
VARIABLE AIR VOLUME BOX															
VAV01	106	277/1	1.0	–	3.6	4.5	20	HB-1	3/4"C.; 2-#12, 1-#12 GND.	DIV23	–	–	–	–	–
VAV02	108	277/1	2.5	–	9.0	11.3	20	HB-3	3/4"C.; 2-#12, 1-#12 GND.	DIV23	–	–	–	–	–
VAV03	120.4	277/1	3.0	–	10.8	13.5	20	HB-5	3/4"C.; 2-#12, 1-#12 GND.	DIV23	–	–	–	–	–
VAV04	115.1	480/3	6.0	–	7.2	9.0	20	HB-7,9,11	3/4"C.; 3-#12, 1-#12 GND.	DIV23	–	–	–	–	–
VAV05	115.2	277/1	2.5	–	9.0	11.3	20	HB-13	3/4"C.; 2-#12, 1-#12 GND.	DIV23	–	–	–	–	–
VAV06	107	277/1	1.0	–	3.6	4.5	20	HB-15	3/4"C.; 2-#12, 1-#12 GND.	DIV23	–	–	–	–	–
VAV07	120	480/3	6.5	–	7.8	9.8	20	HB-17,19,21	3/4"C.; 3-#12, 1-#12 GND.	DIV23	–	–	–	–	–
VAV08	104	277/1	2.0	–	7.2	9.0	20	HB-23	3/4"C.; 2-#12, 1-#12 GND.	DIV23	–	–	–	–	–
VAV09	101	277/1	1.0	–	3.6	4.5	20	HB-25	3/4"C.; 2-#12, 1-#12 GND.	DIV23	–	–	–	–	–
VAV10	105	277/1	1.5	–	5.4	6.8	20	HB-27	3/4"C.; 2-#12, 1-#12 GND.	DIV23	–	–	–	–	–
VAV11	111	277/1	1.0	–	3.6	4.5	20	HB-29	3/4"C.; 2-#12, 1-#12 GND.	DIV23	–	–	–	–	–
VAV12	106	277/1	3.0	–	10.8	13.5	20	HB-31	3/4"C.; 2-#12, 1-#12 GND.	DIV23	–	–	–	–	–
VAV13	124	277/1	2.0	–	7.2	9.0	20	HA-1	3/4"C.; 2-#12, 1-#12 GND.	DIV23	–	–	–	–	–
VAV14	132	480/3	4.5	–	5.4	6.8	20	HA-3,5,7	3/4"C.; 3-#12, 1-#12 GND.	DIV23	–	–	–	–	–
VAV15	132	480/3	7.0	–	8.4	10.5	20	HA-9,11,13	3/4"C.; 3-#12, 1-#12 GND.	DIV23	–	–	–	–	–
VAV16	132	480/3	7.0	–	8.4	10.5	20	HA-15,17,19	3/4"C.; 3-#12, 1-#12 GND.	DIV23	–	–	–	–	–
VAV17	130	277/1	1.5	–	5.4	6.8	20	HA-21	3/4"C.; 2-#12, 1-#12 GND.	DIV23	–	–	–	–	–
VAV18	130	277/1	3.0	–	10.8	13.5	20	HA-23	3/4"C.; 2-#12, 1-#12 GND.	DIV23	–	–	–	–	–
VAV19	139	277/1	1.5	–	5.4	6.8	40	HA-25	1"C.; 2-#8, 1-#10 GND.	DIV23	–	–	–	–	–
VAV20	140	277/1	2.0	–	7.2	9.0	20	HA-27	3/4"C.; 2-#12, 1-#12 GND.	DIV23	–	–	–	–	–
VAV21	142	277/1	3.0	–	10.8	13.5	20	HA-29	3/4"C.; 2-#12, 1-#12 GND.	DIV23	–	–	–	–	–
VAV22	145	277/1	2.0	–	7.2	9.0	20	HA-31	3/4"C.; 2-#12, 1-#12 GND.	DIV23	–	–	–	–	–
VAV23	146	277/1	1.0	–	3.6	4.5	20	HA-33	3/4"C.; 2-#12, 1-#12 GND.	DIV23	–	–	–	–	–
VAV24	136	480/3	8.0	–	9.6	12.0	20	HA-4,6,8	3/4"C.; 3-#12, 1-#12 GND.	DIV23	–	–	–	–	–
VAV25	136	480/3	10.5	–	12.6	15.8	20	HA-10,12,14	3/4"C.; 3-#12, 1-#12 GND.	DIV23	–	–	–	–	–
VAV26	136	480/3	10.0	–	12.0	15.0	20	HA-16,18,20	3/4"C.; 3-#12, 1-#12 GND.	DIV23	–	–	–	–	–
VAV27	150	480/3	4.5	–	5.4	6.8	20	HA-22,24,26	3/4"C.; 3-#12, 1-#12 GND.	DIV23	–	–	–	–	–
VAV28	154	277/1	3.0	–	10.8	13.5	20	HA-28	3/4"C.; 2-#12, 1-#12 GND.	DIV23	–	–	–	–	–
VAV29	134	277/1	2.5	–	9.0	11.3	20	HA-30	3/4"C.; 2-#12, 1-#12 GND.	DIV23	–	–	–	–	–
VAV30	152	–	–	–	–	–	–	–	–	–	–	–	–	–	NO POWER CONNECTION REQUIRED FOR VAV30

MECHANICAL EQUIPMENT CONNECTION SCHEDULE

MARK	ROOM NO.	VOLTAGE/ PHASE	KW	HP	FLA	MCA	BREAKER	HOMERUN CIRCUIT	CONDUIT & CABLING	COMBINATION STARTER/DISCONNECT SWITCH					INTERLOCK/REMARKS
										SIZE AMPS	POLES	FUSE	STARTER SIZE	NEMA RATING	
MINI SPLIT UNITS															
MS11/CU11	147	208/1	–	–	13.3	16.6	20	LB-1,3	3/4"C.; 2-#12, 1-#12 GND.	30	2	NF	–	1/3R	PROVIDE CONNECTION BETWEEN INSIDE AND OUTSIDE UNITS WITH 3/4"C.; 2-#12, 1-#12 GND.
MS12/CU12	147	208/1	–	–	13.3	16.6	20	LB-2,4	3/4"C.; 2-#12, 1-#12 GND.	30	2	NF	–	1/3R	
EXHAUST FANS															
EF11	120.4	120/1	–	0.07	2.2	2.8	20	LE-3	3/4"C.; 2-#12, 1-#12 GND.	MRS	–	–	–	–	–
EF12	134	120/1	–	0.10	4.4	5..5	20	LB-11	3/4"C.; 2-#12, 1-#12 GND.	MRS	–	–	–	–	–
PLUMBING EQUIPMENT															
EWH1.1	148	208/1	1.5	–	7.2	9.0	20	LB-5,7	3/4"C.; 2-#12, 1-#12 GND.	30	2	MFS	–	1	–
HWP1.1	148	120/1	85W	1/25	0.7	.9	20	LB-9	3/4"C.; 2-#12, 1-#12 GND.	MRS	–	–	–	–	–
FIRE PROTECTION															
AC	150	120/1	–	1/2	9.8	12.3	20	ELA-5	3/4"C.; 2-#12, 1-#12 GND.	MRS	–	–	–	–	–

MECHANICAL CONNECTION SCHEDULE ABBREVIATIONS:

MFS = MANUFACTURER'S RECOMMENDED FUSE SIZE
NF = NON-FUSED
MRS = MOTOR RATED TOGGLE SWITCH BY DIVISION 26
DIV23 = DISCONNECTING MEANS PROVIDED BY THE EQUIPMENT MANUFACTURER OR DIVISION 23 CONTRACTOR
VFD = VARIABLE FREQUENCY DRIVE (FURNISHED BY DIVISION 23) INSTALLED BY DIVISION 26

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No.	Date	Issue / Revision

AARON JOSEPH, PE
PE 85273

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607
ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

MECHANICAL EQUIPMENT CONNECTION SCHEDULE

DWG NO. AE-207

SHEET NO.

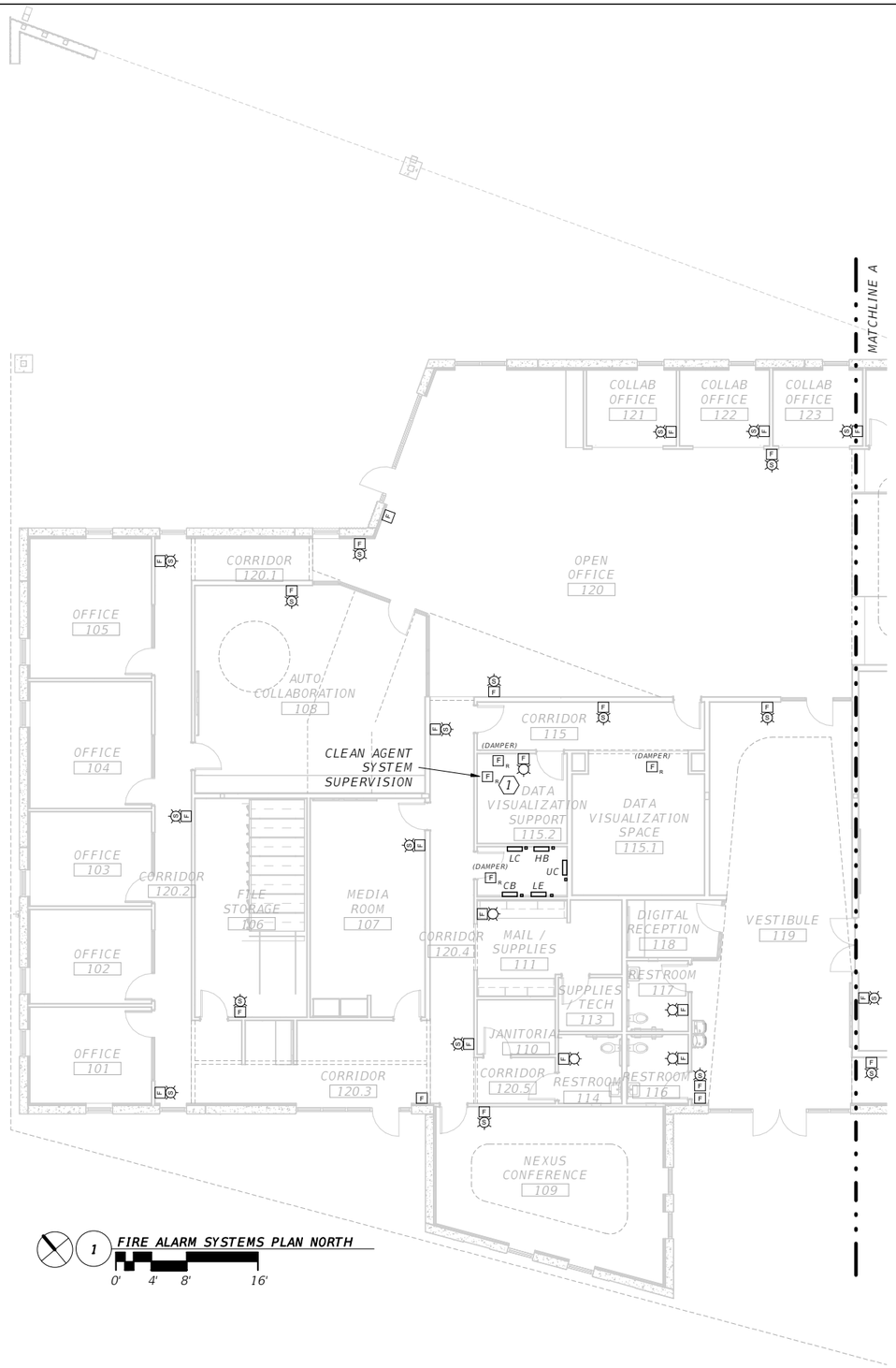
6/19/2025 8:35:52 AM

BI-DIRECTIONAL AMPLIFICATION / TWO-WAY RADIO SIGNAL BOOSTER SYSTEM

1. A FIRST RESPONDER TWO WAY RADIO SIGNAL BOOSTER SYSTEM MAY BE REQUIRED. THIS WILL BE DETERMINED BY TESTING THE SIGNAL ONCE THE BUILDING IS NEARING COMPLETION. IF A SIGNAL BOOSTING SYSTEM IS REQUIRED, IT WILL NEED TO BE INSTALLED BY A QUALIFIED AND EXPERIENCED INSTALLER.
2. PROVIDE A $10,000 ALLOWANCE FOR THE INITIAL TESTING TO DETERMINE IF A SYSTEM IS REQUIRED. IN SOME CASES THE LOCAL FIRE AND POLICE DEPARTMENTS WILL WALK THE BUILDING AND TEST THE SIGNALS AT NO COST AND PROVIDE AN APPROVAL OR REQUIRE A SIGNAL BOOSTING SYSTEM. OTHERWISE, A CONTRACTOR WILL NEED TO BE HIRED TO DO THE TESTING.
3. PROVIDE A $50,000 ALLOWANCE FOR A TWO-WAY RADIO SIGNAL AMPLIFICATION SYSTEM, WHICH SHALL INCLUDE THE DESIGN, ENGINEERING, PERMITTING, INSTALLATION AND TESTING.

DRAWING NOTES:

1. REFER TO FIRE PROTECTION DRAWINGS FOR EXACT AREA OF COVERAGE.



1 FIRE ALARM SYSTEMS PLAN NORTH

0' 4' 8' 16'

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FLORIDA-ALABAMA TPO

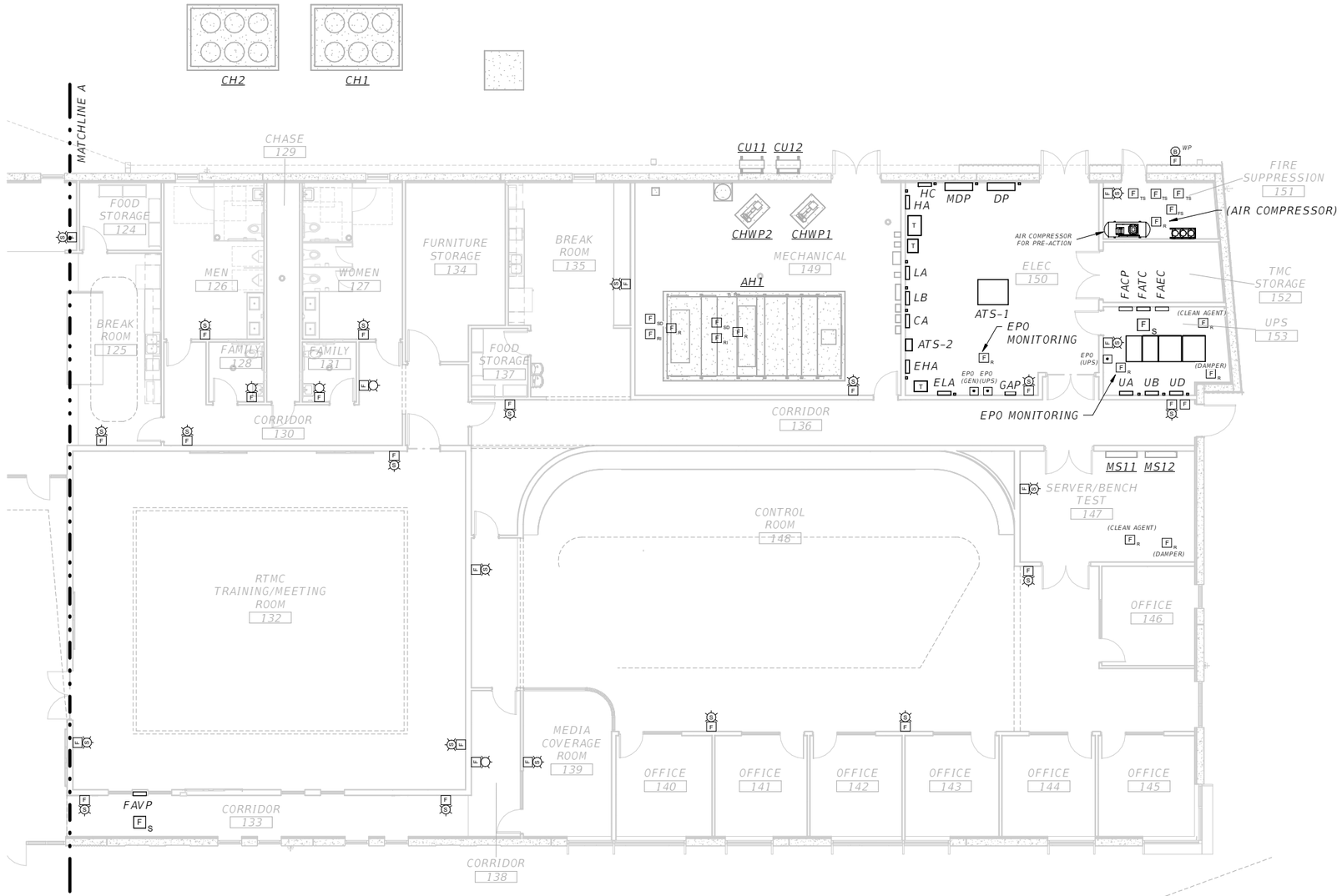
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

FIRE ALARM SYSTEMS PLAN NORTH

DWG NO. AE-301

SHEET NO.

6/19/2025 8:35:53 AM



1 FIRE ALARM SYSTEMS PLAN SOUTH

0' 4' 8' 16'

No.	Date	Issue / Revision

AARON JOSEPH, PE
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FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

FIRE ALARM SYSTEMS PLAN SOUTH

DWG NO. AE-302

SHEET NO.

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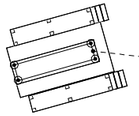
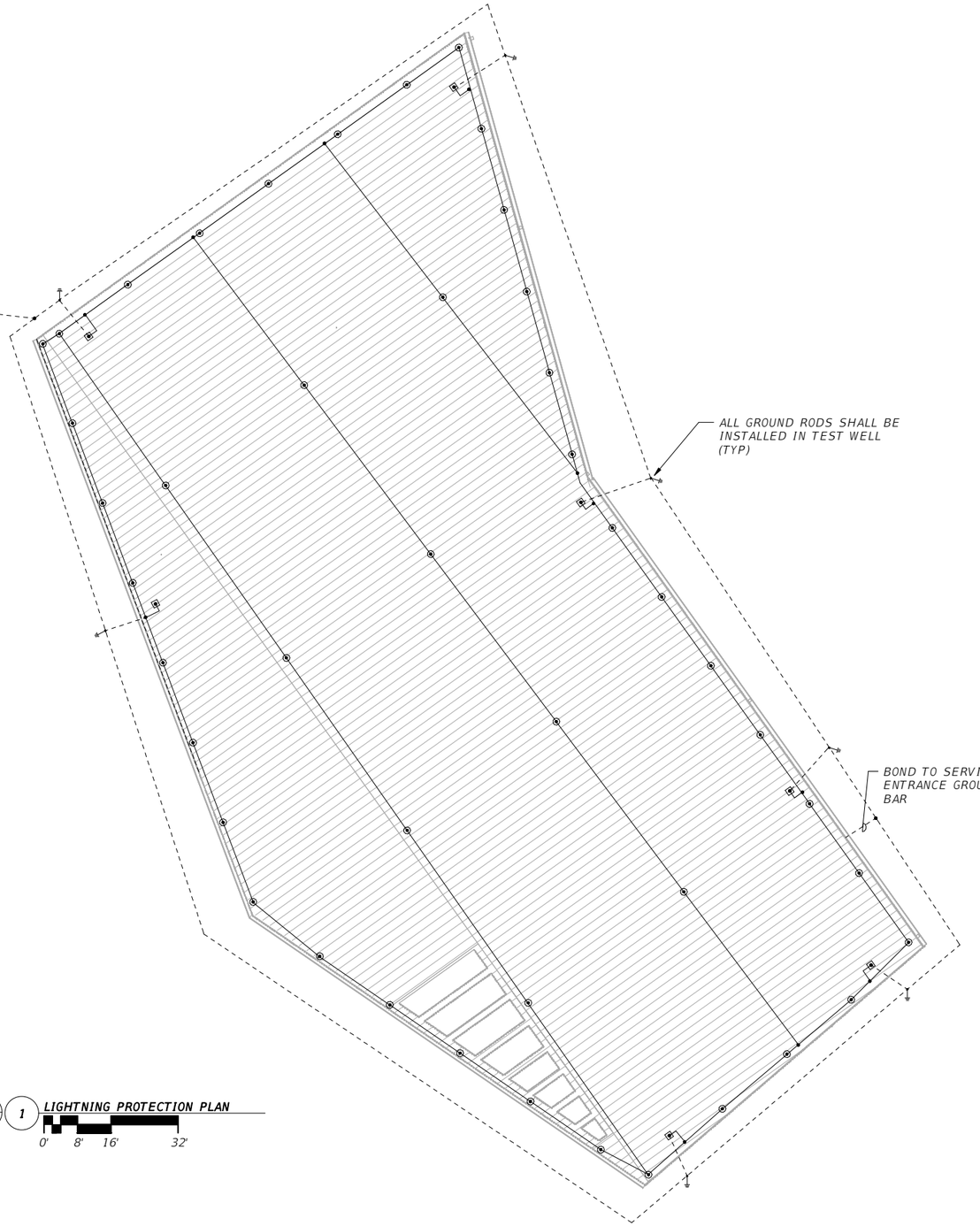
6/19/2025 8:35:54 AM

LIGHTNING PROTECTION LEGEND		
SYMBOL	DESCRIPTION	MOUNTING
⊡	LIGHTNING PROTECTION DOWN CONDUCTOR THROUGH ROOF PENETRATION. REFER TO DETAIL ON DRAWING AE-702.	ROOF
⊙	AIR TERMINAL LOCATION. REFER TO DETAIL ON DRAWING AE-702.	ON BACK OF PARAPET SURFACE
———	NEW COPPER LIGHTNING PROTECTION SYSTEM CABLING.	AS NOTED
⏚	GROUNDING SYSTEM CONNECTION. REFER TO DETAIL ON DRAWING AE-702.	AS NOTED
●	LIGHTNING PROTECTION BONDING CONNECTION. REFER TO DETAIL ON DRAWING AE-702.	AS NOTED



PROVIDE LIGHTNING PROTECTION ON THE EMERGENCY GENERATOR ENCLOSURE AND BOND TO THE BUILDING LIGHTNING PROTECTION SYSTEM



1 LIGHTNING PROTECTION PLAN

0' 8' 16' 32'

LIGHTNING PROTECTION GENERAL NOTES:

1. ALL ELECTRICAL WORK SHALL MEET ALL OF THE REQUIREMENTS OF THE FOLLOWING:
   - A. FLORIDA BUILDING CODE (FBC) 8TH EDITION (2023) (EFFECTIVE DECEMBER 31,2023): THIS CODE INCLUDES THE 2023 FBC BUILDING, MECHANICAL, PLUMBING, ENERGY CONSERVATION, FUEL GAS, ACCESSIBILITY, AND TEST PROTOCOLS VOLUMES. FURTHER, SEE "REFERENCED STANDARDS" IN THE FBC BUILDING CHAPTER 35; FBC MECHANICAL CHAPTER 15; FBC PLUMBING CHAPTER 15; FBC ENERGY CONSERVATION CHAPTER 6; AND FBC FUEL GAS CHAPTER 8).
   - B. 8TH EDITION OF THE FLORIDA FIRE PREVENTION CODE (FFPC): (THIS CODE ALSO INCLUDES THE FLORIDA VERSIONS OF NFPA 1 AND NFPA 101.) (EFFECTIVE DECEMBER 31, 2023).
   - C. 2020 NATIONAL ELECTRIC CODE
2. PROVIDE NICKEL BLUNT OR SHARP TIPPED SOLID COPPER (OR COPPER CLAD STEEL) AIR TERMINAL WITH NO. 30 BRONZE HINGED BASE. TYPICAL FOR ALL.
3. PROVIDE CLASS I COPPER LIGHTNING CONDUCTOR
4. BOND FROM THE CONDUCTOR LOOP TO MECHANICAL EQUIPMENT, DRAINS, SCUPPERS, VENTS, ETC. AS REQUIRED. TYPICAL.
5. PROVIDE A U.L. APPROVED LIGHTNING PROTECTION SYSTEM (UL96A). SYSTEM SHALL COME COMPLETE WITH ALL REQUIRED AIR TERMINALS, CONNECTIONS, AND DOWN CONDUCTORS AS REQUIRED BY NFPA-780. PROVIDE A COMPLETE SYSTEM OF LIGHTNING PROTECTION AND INSTALLED BY A CERTIFIED PROFESSIONAL.
6. SYSTEM IS TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND UL LETTER OF CERTIFICATION (MASTER LABEL). CLASS I MATERIALS REQUIRED FOR AREAS. ALL WORK ON THE LIGHTNING PROTECTION SYSTEM SHALL COMPLY WITH THE REQUIREMENTS OF NFPA-780, INSTALLATION OF LIGHTNING PROTECTION SYSTEMS, AND UL-96A.
7. INTERCONNECT CONDUCTORS TO PROVIDE AT LEAST TWO ELECTRICAL PATHS TO GROUND. AVOID AN UPWARD DIRECTION FOR LATERAL CONDUCTORS INTERCONNECTING AIR TERMINALS. TURN CONDUCTORS WITH RADIUS OF AT LEAST 8 INCHES AT AN INCLUDED ANGLE NOT MORE ACUTE THAN A RIGHT ANGLE.
8. BOND ALL METAL ROOF DRAINS.
9. BOND FULL SIZED CONDUCTOR TO ALL METAL OBJECTS ON ROOF.
10. UPON COMPLETION OF THE WORK, FURNISH THE OWNER WITH THE UL MASTER LABEL FOR THE ENTIRE BUILDING.
11. SUBMIT SHOP DRAWINGS AS REQUIRED BY THE SPECIFICATIONS AND COORDINATE WITH THE ARCHITECT FOR ALL ROOFING INSTALLATION DETAILS AND WARRANTIES.
12. GROUND RING: INSTALL A GROUNDING CONDUCTOR, ELECTRICALLY CONNECTED TO EACH BUILDING STRUCTURE GROUND ROD AND TO EACH STEEL COLUMN, EXTENDING AROUND THE PERIMETER OF THE BUILDING.
    - a. INSTALL COPPER CONDUCTOR NOT LESS THAN NO. 2/0 AWG FOGROUND RING AND FOR TAPS TO BUILDING STEEL.
    - b. BURY GROUND RING NOT LESS THAN 24 INCHES FROM BUILDING'S FOUNDATION.
13. SEE SPECIFICATION 264113 FOR MORE REQUIREMENTS.

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Autodesk Docs://9345.00 ECRC/9345.00 Escambia ECRC WGIMEPFP R24.rvt

No.	Date	Issue / Revision

AARON JOSEPH, PE
PE 85273

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607
ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO

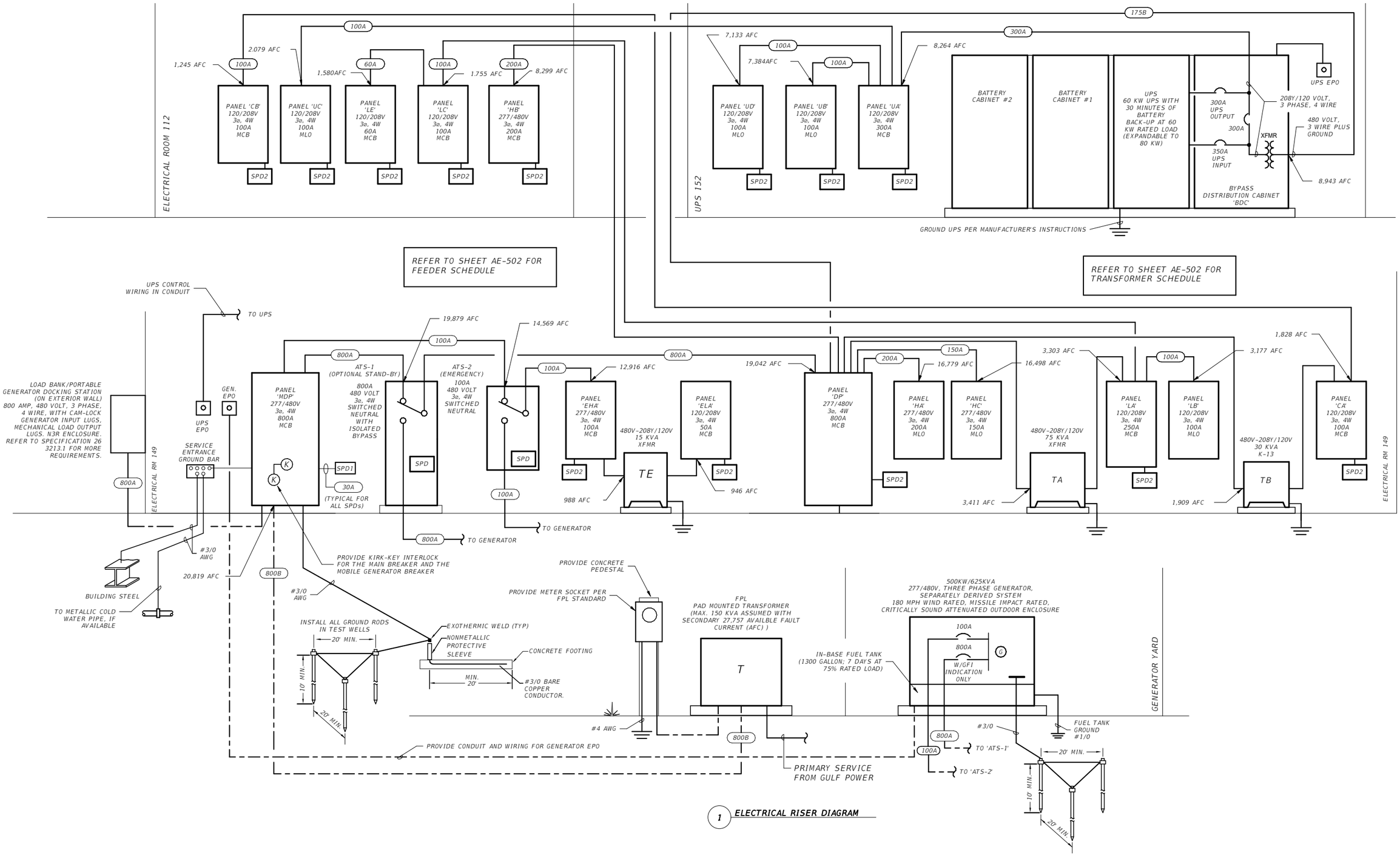
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

LIGHTNING PROTECTION PLAN

DWG NO. AE-401

SHEET NO.

6/19/2025 8:35:54 AM



1 ELECTRICAL RISER DIAGRAM

No.	Date	Issue / Revision

AARON JOSEPH, PE
PE 85273

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607
ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

ELECTRICAL RISER DIAGRAM

DWG NO. AE-501

SHEET NO.

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6/19/2025 8:35:55 AM

FEEDER SCHEDULE

AMPS	CONDUIT & CABLING
20A	3/4"C; 3-#12, 1-#12 NEUTRAL, 1-#12 GROUND
30A	3/4"C; 3-#10, 1-#10 NEUTRAL, 1-#10 GROUND
35A	1"C; 3-#8, 1-#8 NEUTRAL, 1-#10 GROUND
40A	1"C; 3-#8, 1-#8 NEUTRAL, 1-#10 GROUND
45A	1"C; 3-#8, 1-#8 NEUTRAL, 1-#10 GROUND
50A	1"C; 3-#8, 1-#8 NEUTRAL, 1-#10 GROUND
60A	1"C; 3-#6, 1-#6 NEUTRAL, 1-#10 GROUND
70A	1-1/4"C; 3-#4, 1-#4 NEUTRAL, 1-#8 GROUND
80A	1-1/4"C; 3-#3, 1-#3 NEUTRAL, 1-#8 GROUND
90A	1-1/4"C; 3-#3, 1-#3 NEUTRAL, 1-#8 GROUND
100A	1-1/4"C; 3-#3, 1-#3 NEUTRAL, 1-#8 GROUND
110A	1-1/2"C; 3-#1, 1-#1 NEUTRAL, 1-#6 GROUND
125A	1-1/2"C; 3-#1, 1-#1 NEUTRAL, 1-#6 GROUND
150A	2"C; 3-#1/0, 1-#1/0 NEUTRAL, 1-#6 GROUND
175A	2"C; 3-#2/0, 1-#2/0 NEUTRAL, 1-#6 GROUND
175B	2"C; 3-#2/0, 1-#6 GROUND
200A	2"C; 3-#3/0, 1-#3/0 NEUTRAL, 1-#6 GROUND
225A	2-1/2"C; 3-#4/0, 1-#4/0 NEUTRAL, 1-#4 GROUND
250A	3"C; 3-#250 KCMIL, 1-#250 KCMIL NEUTRAL, 1-#4 GROUND
300A	3-1/2"C; 3-#350 KCMIL, 1-#350 KCMIL NEUTRAL, 1-#4 GROUND
350A	4"C; 3-#500 KCMIL, 1-#500 KCMIL NEUTRAL, 1-#3 GROUND
400A	(380A) 4"C; 3-#500 KCMIL, 1-#500 KCMIL NEUTRAL, 1-#3 GROUND
400A	TWO(2) 2"C; EACH WITH 3-#3/0, 1-#3/0 NEUTRAL, 1-#3 GROUND
450A	TWO(2) 2-1/2"C; EACH WITH 3-#4/0, 1-#4/0 NEUTRAL, 1-#2 GROUND
500A	TWO(2) 3"C; EACH WITH 3-#250 KCMIL, 1-#250 KCMIL NEUTRAL, 1-#2 GROUND
600A	TWO(2) 3-1/2"C; EACH WITH 3-#350 KCMIL, 1-#350 KCMIL NEUTRAL, 1-#1 GROUND
800A	(760A) TWO(2) 3-1/2"C; EACH WITH 3-#500 KCMIL, 1-#500 KCMIL NEUTRAL, 1-#1/0 GROUND
800A	THREE(3) 3"C; EACH WITH 3-#300 KCMIL, 1-#300 KCMIL NEUTRAL, 1-#1/0 GROUND
800B	THREE(3) 3"C; EACH WITH 3-#300 KCMIL, 1-#300 KCMIL NEUTRAL

TRANSFORMER SCHEDULE

KVA	480 VOLT PRIMARY, 3 PHASE			120/208 VOLT SECONDARY, 3 PHASE, 4 WIRE		
	FLA	CB	CONDUCTOR	FLA	CB	CONDUCTOR
9	10.8	20	3/4"C; 3-#12, 1 #12 GND.	25.0	30	3/4"C; 3-#10, 1-#10 NEUTRAL, 1-#8 GROUND
15	18	30	3/4"C; 3-#10, 1 #10 GND.	41.6	50	1"C; 3-#8, 1-#8 NEUTRAL, 1-#8 GROUND
30	36	50	1"C; 3-#8, 1 #10 GND.	83	100	1-1/4"C; 3-#3, 1-#3 NEUTRAL, 1-#8 GROUND
45	54	70	1"C; 3-#4, 1 #8 GND.	125	150	2"C; 3-#1/0, 1-#1/0 NEUTRAL, 1-#6 GROUND
75	90	125	1-1/2"C; 3-#1, 1 #6 GND.	208	250	3"C; 3-#250KCMIL, 1-#250 KCMIL NEUTRAL, 1-#2 GROUND
K13 TYPE TRANSFORMERS						
15 K13	18	30	3/4"C; 3-#10, 1 #10 GND.	41.6	50	1"C; 3-#8, 2-#8 NEUTRALS, 1-#10 GROUND
30 K13	36	50	1"C; 3-#8, 1 #10 GND.	83	100	1-1/2"C; 3-#3, 2-#3 NEUTRALS, 1-#8 GROUND

NOTES:
1. CONDUCTORS ARE COPPER & NO PROVISIONS FOR VOLTAGE DROP IS MADE.
2. SECONDARY TRANSFORMER GROUND SHALL BE BONDED TO BUILDING GROUNDING SYSTEM VIA GROUND CONDUCTOR SIZED EQUIVALENT TO SECONDARY GROUND CONDUCTOR.

Branch Panel: MDP

Location: ELEC 150 | **Volts:** 480/277 Wye | **A.I.C. Rating:** 42 KA
Mounting: Surface | **Phases:** 3 | **Mains Type:** MCB
Enclosure: Type 1 | **Wires:** 4 | **Mains Rating:** 800 A

CKT	Circuit Description	BKR	Poles	A		B		C		Poles	BKR	Circuit Description	CKT
1				151.7	3.7								2
3	Panel 'DP' via ATS-1	0 A	3			141.2	2.1			3	0 A	Panel 'EHA' via ATS-2	4
5								136.9	2.7				6
7				0.0	0.0								8
9	Equipment; SPD1	30 A	3			0.0	0.0			3	800 A	Mobile Generator Docking Station	10
11								0.0	0.0				12
13	Spare	20 A	1	0.0	--					1	--	Space	14
15	Spare	20 A	1			0.0	--			1	--	Space	16
17	Spare	20 A	1					0.0	--	1	--	Space	18
19	Spare	20 A	1	0.0	--					1	--	Space	20
21	Space	--	1			--	--			1	--	Space	22
23	Space	--	1					--	--	1	--	Space	24
25	Space	--	1	--	--					1	--	Space	26
27	Space	--	1			--	--			1	--	Space	28
29	Space	--	1					--	--	1	--	Space	30
31	Space	--	1	--	--					1	--	Space	32
33	Space	--	1			--	--			1	--	Space	34
35	Space	--	1					--	--	1	--	Space	36
37	Space	--	1	--	--					1	--	Space	38
39	Space	--	1			--	--			1	--	Space	40
41	Space	--	1					--	--	1	--	Space	42
	Connected Load Per Phase:			155.4 kVA		143.4 kVA		139.6 kVA					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Equipment	0 VA	0.00%	0 VA		
HVAC	283793 VA	100.00%	283793 VA	Connected Load:	437.80 kVA
Lighting	12754 VA	125.00%	15942 VA	Demand Load:	387.10 kVA
Motor	6903 VA	122.88%	8483 VA		
Other	1000 VA	100.00%	1000 VA	Total Amps:	466 A
Power	12787 VA	100.00%	12787 VA		
Receptacle	121420 VA	54.12%	65710 VA		

NOTES:
PROVIDE KIRK-KEY INTERLOCK FOR MAIN BREAKER AND GENERATOR DOCKING STATION BREAKER

Branch Panel: DP

Location: ELEC 150 | **Volts:** 480/277 Wye | **A.I.C. Rating:** 35 KA
Mounting: Surface | **Phases:** 3 | **Mains Type:** MCB
Enclosure: Type 1 | **Wires:** 4 | **Mains Rating:** 800 A

CKT	Circuit Description	BKR	Poles	A		B		C		Poles	BKR	Circuit Description	CKT
1				26.3	17.9								2
3	Panel 'HA'	200 A	3			24.7	15.6			3	125 A	Panel 'LA' via XFMR	4
5								25.7	12.2				6
7				15.1	12.2								8
9	Panel 'HB'	200 A	3			9.5	11.3			3	50 A	Panel 'CA' via XFMR	10
11								10.4	9.5				12
13				20.1	0.0					1	20 A	Spare	14
15	Panel 'HC'	150 A	3			20.1	0.0			1	20 A	Spare	16
17								20.1	0.0	1	20 A	Spare	18
19				19.1	0.0					1	20 A	Spare	20
21	Panel 'UA' via XFMR in 'BDC'	175 A	3			19.2	0.0			1	20 A	Spare	22
23								18.3	0.0	1	20 A	Spare	24
25				42.1	0.0					1	20 A	Spare	26
27	HVAC; Chiller CH1	200 A	3			42.1	--			1	--	Space	28
29								42.1	--	1	--	Space	30
31				0.0	--					1	--	Space	32
33	HVAC; Chiller CH2	200 A	3			0.0	--			1	--	Space	34
35								0.0	--	1	--	Space	36
37				0.0	--					1	--	Space	38
39	Equipment; SPD2	30 A	3			0.0	--			1	--	Space	40
41								0.0	--	1	--	Space	42
	Connected Load Per Phase:			151.7 kVA		141.2 kVA		136.9 kVA					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Equipment	0 VA	0.00%	0 VA		
HVAC	283793 VA	100.00%	283793 VA	Connected Load:	429.31 kVA
Lighting	7957 VA	125.00%	9946 VA	Demand Load:	377.41 kVA
Motor	6903 VA	122.88%	8483 VA		
Power	10087 VA	100.00%	10087 VA	Total Amps:	454 A
Receptacle	121420 VA	54.12%	65710 VA		

NOTES:

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No.	Date	Issue / Revision

AARON JOSEPH, PE
PE 85273

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607
ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

ELECTRICAL PANEL SCHEDULES

DWG NO. AE-502

SHEET NO.

6/19/2025 8:35:56 AM

Branch Panel: EHA

Location:	ELEC 150	**Volts:**	480/277 Wye	**A.I.C. Rating:**	22 KA		
Mounting:	Surface	**Phases:**	3	**Mains Type:**	MCB		
Enclosure:	Type 1	**Wires:**	4	**Mains Rating:**	100 A		

CKT	Circuit Description	BKR	Poles	A		B		C		Poles	BKR	Circuit Description	CKT
1	Lighting; South	20 A	1	2.1	0.0					1	20 A	Spare	2
3	Lighting; North	20 A	1			1.1	0.0			1	20 A	Spare	4
5	Lighting; Exterior **	20 A	1					1.0	0.0	1	20 A	Spare	6
7	Lighting; Exterior **	20 A	1	0.6	0.0					1	20 A	Spare	8
9	Space	--	1			--	0.0			1	20 A	Spare	10
11	Space	--	1					--	0.0	1	20 A	Spare	12
13	Space	--	1	--	0.0					1	20 A	Spare	14
15	Space	--	1			--	0.0			1	20 A	Spare	16
17	Space	--	1					--	0.0	1	20 A	Spare	18
19	Space	--	1	--	0.0					1	20 A	Spare	20
21	Space	--	1			--	--			1	--	Space	22
23	Space	--	1					--	--	1	--	Space	24
25	Space	--	1	--	--					1	--	Space	26
27	Space	--	1			--	--			1	--	Space	28
29	Space	--	1					--	--	1	--	Space	30
31	Space	--	1	--	--					1	--	Space	32
33	Space	--	1			--	--			1	--	Space	34
35	Space	--	1					--	--	1	--	Space	36
37				0.0	1.0								38
39	Equipment; SPD2	30 A	3			0.0	1.0			3	30 A	Panel 'ELA' via XFMR	40
41								0.0	1.7				42
	Connected Load Per Phase:			3.7 kVA		2.1 kVA		2.7 kVA					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Equipment	0 VA	0.00%	0 VA		
Lighting	4802 VA	125.00%	6003 VA	**Connected Load:**	8.49 kVA
Other	1000 VA	100.00%	1000 VA	**Demand Load:**	9.69 kVA
Power	2700 VA	100.00%	2700 VA		
				Total Amps:	12 A

NOTES:
** VIA CONTACTOR

Branch Panel: ELA

Location:	ELEC 150	**Volts:**	120/208 Wye	**A.I.C. Rating:**	10 KA		
Mounting:	Surface	**Phases:**	3	**Mains Type:**	MCB		
Enclosure:	Type 1	**Wires:**	4	**Mains Rating:**	50 A		

CKT	Circuit Description	BKR	Poles	A		B		C		Poles	BKR	Circuit Description	CKT
1	Other; FACP	20 A	1	0.5	0.0					1	20 A	Spare	2
3	Other; FAEC	20 A	1			0.5	0.0			1	20 A	Spare	4
5	Pwr; Pre-Action Comp.	20 A	1					1.2	0.0	1	20 A	Spare	6
7	Power; Clean Agent Pnl	20 A	1	0.5	0.0					1	20 A	Spare	8
9	Power; Clean Agent Pnl	20 A	1			0.5	0.0			1	20 A	Spare	10
11	Power; Clean Agent Pnl	20 A	1					0.5	0.0	1	20 A	Spare	12
13	Space	--	1	--	0.0					1	20 A	Spare	14
15	Space	--	1			--	0.0			1	20 A	Spare	16
17	Space	--	1					--	0.0	1	20 A	Spare	18
19	Space	--	1	--	--					1	--	Space	20
21	Space	--	1			--	--			1	--	Space	22
23	Space	--	1					--	--	1	--	Space	24
25	Space	--	1	--	--					1	--	Space	26
27	Space	--	1			--	--			1	--	Space	28
29	Space	--	1					--	--	1	--	Space	30
31	Space	--	1	--	--					1	--	Space	32
33	Space	--	1			--	--			1	--	Space	34
35	Space	--	1					--	--	1	--	Space	36
37				0.0	--					1	--	Space	38
39	Equipment; SPD2	30 A	3			0.0	--			1	--	Space	40
41								0.0	--	1	--	Space	42
	Connected Load Per Phase:			1.0 kVA		1.0 kVA		1.7 kVA					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Equipment	0 VA	0.00%	0 VA		
Other	1000 VA	100.00%	1000 VA	**Connected Load:**	3.70 kVA
Power	2700 VA	100.00%	2700 VA	**Demand Load:**	3.70 kVA
				Total Amps:	10 A

NOTES:

Branch Panel: HA

Location:	ELEC 150	**Volts:**	480/277 Wye	**A.I.C. Rating:**	22 KA		
Mounting:	Surface	**Phases:**	3	**Mains Type:**	MLO		
Enclosure:	Type 1	**Wires:**	4	**Mains Rating:**	200 A		

CKT	Circuit Description	BKR	Poles	A		B		C		Poles	BKR	Circuit Description	CKT
1	HVAC; VAV13	20 A	1	2.0	2.0					1	20 A	Lighting; South	2
3						1.5	2.7						4
5	HVAC; VAV14	20 A	3					1.5	2.7	3	20 A	HVAC; VAV24	6
7				1.5	2.7								8
9						2.3	3.5						10
11	HVAC; VAV15	20 A	3					2.3	3.5	3	20 A	HVAC; VAV25	12
13				2.3	3.5								14
15						2.3	3.3						16
17	HVAC; VAV16	20 A	3					2.3	3.3	3	20 A	HVAC; VAV26	18
19				2.3	3.3								20
21	HVAC; VAV17	20 A	1			1.5	1.5						22
23	HVAC; VAV18	20 A	1					3.0	1.5	3	20 A	HVAC; VAV27	24
25	HVAC; VAV19	20 A	1	1.5	1.5								26
27	HVAC; VAV20	20 A	1			2.0	3.0			1	20 A	HVAC; VAV28	28
29	HVAC; VAV21	20 A	1					3.0	2.5	1	20 A	HVAC; VAV29	30
31	HVAC; VAV22	20 A	1	2.0	1.8					1	20 A	Lighting; Control Rm	32
33	HVAC; VAV23	20 A	1			1.0	0.0			1	20 A	Spare	34
35	Spare	20 A	1					0.0	0.0	1	20 A	Spare	36
37				0.0	0.0					1	20 A	Spare	38
39	Equipment; SOD2	30 A	3			0.0	0.0			1	20 A	Spare	40
41								0.0	0.0	1	20 A	Spare	42
	Connected Load Per Phase:			26.3 kVA		24.7 kVA		25.7 kVA					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Equipment	0 VA	0.00%	0 VA		
HVAC	73000 VA	100.00%	73000 VA	**Connected Load:**	76.66 kVA
Lighting	3783 VA	125.00%	4729 VA	**Demand Load:**	77.58 kVA
				Total Amps:	93 A

NOTES:
** Via Contactor

Branch Panel: HC

Location:	ELEC 150	**Volts:**	480/277 Wye	**A.I.C. Rating:**	22 KA		
Mounting:	Surface	**Phases:**	3	**Mains Type:**	MLO		
Enclosure:	Type 1	**Wires:**	4	**Mains Rating:**	150 A		

CKT	Circuit Description	BKR	Poles	A		B		C		Poles	BKR	Circuit Description	CKT
1				15.0	0.0					1	20 A	Spare	2
3	HVAC; AH1	70 A	3			15.0	0.0			1	20 A	Spare	4
5								15.0	0.0	1	20 A	Spare	6
7				0.9	0.0					1	20 A	Spare	8
9	HVAC; AH1	20 A	3			0.9	0.0			1	20 A	Spare	10
11								0.9	0.0	1	20 A	Spare	12
13				2.1	0.0					1	20 A	Spare	14
15	Motor; CWH1	20 A	3			2.1	0.0			1	20 A	Spare	16
17								2.1	0.0	1	20 A	Spare	18
19				2.1	0.0					1	20 A	Spare	20
21	HVAC; CWH2	20 A	3			2.1	--			1	--	Space	22
23								2.1	--	1	--	Space	24
25	Space	--	1	--	--					1	--	Space	26
27	Space	--	1			--	--			1	--	Space	28
29	Space	--	1					--	--	1	--	Space	30
31	Space	--	1	--	--					1	--	Space	32
33	Space	--	1			--	--			1	--	Space	34
35	Space	--	1					--	--	1	--	Space	36
37				0.0	--					1	--	Space	38
39	Equipment; SPD2	30 A	3			0.0	--			1	--	Space	40
41								0.0	--	1	--	Space	42
	Connected Load Per Phase:			20.1 kVA		20.1 kVA		20.1 kVA					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Equipment	0 VA	0.00%	0 VA		
HVAC	54041 VA	100.00%	54041 VA	**Connected Load:**	60.36 kVA
Motor	6319 VA	125.00%	7899 VA	**Demand Load:**	61.94 kVA
				Total Amps:	75 A

NOTES:

Branch Panel: LA

Location:	ELEC 150	**Volts:**	120/208 Wye	**A.I.C. Rating:**	10 KA		
Mounting:	Surface	**Phases:**	3	**Mains Type:**	MCB		
Enclosure:	Type 1	**Wires:**	4	**Mains Rating:**	250 A		

CKT	Circuit Description	BKR	Poles	A		B		C		Poles	BKR	Circuit Description	CKT
1	Rec; Electrical Room	20 A	1	1.1	0.9					1	20 A	Rec; TPO Board Rm.	2
3	Rec; UPS & Storage Rm	20 A	1			0.9	0.5			1	20 A	Motor; Garbage...	4
5	Rec; Corridor	20 A	1					0.9	1.0	1	20 A	Rec; Coffe Bar MW	6
7	Rec; Restrooms	20 A	1	1.1	0.4					1	20 A	Rec; Coffe Bar	8
9	Rec; EWC	20 A	1			0.7	0.5			1	20 A	Rec; Coffe Bar	10
11	Rec; Break Rm. MW	20 A	1					1.0	0.4	1	20 A	Rec; Coffe Bar	12
13	Rec; Break Rm. DW	20 A	1	0.5	0.5					1	20 A	Rec; Coffe Bar DW	14
15	Rec; Break Room	20 A	1			0.4	1.0			1	20 A	Rec; Coffe Bar Refrig.	16
17	Rec; Break Rm. Refrig.	20 A	1					1.0	0.0	1	20 A	Spare	18
19	Rec; Break Room	20 A	1	0.5	0.0					1	20 A	Spare	20
21	Rec; Break Room	20 A	1			0.5	0.0			1	20 A	Spare	22
23	Rec; Server Room	20 A	1					0.7	0.0	1	20 A	Spare	24
25	Rec; Control Room	20 A	1	0.9	0.0					1	20 A	Spare	26
27	Rec; Offices	20 A	1			0.7	0.0			1	20 A	Spare	28
29	Rec; Offices	20 A	1					1.1	0.0	1	20 A	Spare	30
31	Rec; Offices	20 A	1	0.7	3.5								32
33	Rec; Media Room	20 A	1			0.7	2.9			3	100 A	Panel 'LB'	34
35	Rec; TPO Board Rm.	20 A	1					0.9	2.1				36
37				0.0	9.0								38
39	Equipment; SPD2	30 A	3			0.0	8.7			3	100 A	Panel 'LC'	40
41								0.0	3.1				42
	Connected Load Per Phase:			17.9 kVA		15.6 kVA		12.2 kVA					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Equipment	0 VA	0.00%	0 VA		
HVAC	5950 VA	100.00%	5950 VA	**Connected Load:**	45.58 kVA
Motor	584 VA	121.40%	709 VA	**Demand Load:**	34.62 kVA
Power	10087 VA	100.00%	10087 VA		
Receptacle	32380 VA	65.44%	21190 VA	**Total Amps:**	96 A

NOTES:

Branch Panel: LB

Location:	ELEC 150	**Volts:**	120/208 Wye	**A.I.C. Rating:**	10 KA		
Mounting:	Surface	**Phases:**	3	**Mains Type:**	MLO		
Enclosure:	Type 1	**Wires:**	4	**Mains Rating:**	100 A		

CKT	Circuit Description	BKR	Poles	A		B		C		Poles	BKR	Circuit Description	CKT
1	HVAC; MS11/CU11	20 A	2	1.4	1.4					2	20 A	HVAC; MS12/CU12	2
3						1.4	1.4						4
5	Power; EWH1.1	20 A	2					0.8	0.5	1	20 A	Power; DDC	6
7				0.8	0.4					1	20 A	Rec; Chiller Yard	8
9	Motor; HWP1.1	20 A	1			0.1	0.2			1	20 A	HVAC; CH1	10
11	HVAC; EF12	20 A	1					0.5	0.2	1	20 A	HVAC; CH2	12
13	HVAC; AH1	20 A	1	1.0	0.0					1	20 A	Spare	14
15	Rec; Privacy Glass	20 A	1			0.5	0.0			1	20 A	Spare	16
17	Power; Warning Sign	20 A	1					0.1	0.0	1	20 A	Spare	18
19	Space	--	1	--	0.0					1	20 A	Spare	20
21	Space	--	1			--	0.0			1	20 A	Spare	22
23	Space	--	1					--	0.0	1	20 A	Spare	24
25	Space	--	1	--	0.0					1	20 A	Spare	26
27	Space	--	1			--	0.0			1	20 A	Spare	28
29	Space	--	1					--	--	1	--	Space	30
31	Space	--	1	--	--					1	--	Space	32
33	Space	--	1			--	--			1	--	Space	34
35	Space	--	1					--	--	1	--	Space	36
37				0.0	--					1	--	Space	38
39	Equipment; SPD2	30 A	3			0.0	--			1	--	Space	40
41								0.0	--	1	--	Space	42
	Connected Load Per Phase:			3.5 kVA		2.9 kVA		2.1 kVA					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Equipment	0 VA	0.00%	0 VA		
HVAC	5858 VA	100.00%	5858 VA	**Connected Load:**	7.44 kVA
Motor	84 VA	125.00%	105 VA	**Demand Load:**	7.45 kVA
Power	2100 VA	100.00%	2100 VA		
Receptacle	860 VA	100.00%	860 VA	**Total Amps:**	21 A

NOTES:

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No.	Date	Issue / Revision

AARON JOSEPH, PE
PE 85273

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607
ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

ELECTRICAL PANEL SCHEDULES

DWG NO.
AE-503
SHEET NO.

6/19/2025 8:35:57 AM

Branch Panel: LC

Location: ELEC. 112 | **Volts:** 120/208 Wye | **A.I.C. Rating:** 10 KA
Mounting: Surface | **Phases:** 3 | **Mains Type:** MCB
Enclosure: Type 1 | **Wires:** 4 | **Mains Rating:** 100 A

CKT	Circuit Description	BKR	Poles	A		B		C		Poles	BKR	Circuit Description	CKT
1	Rec; Rm 101,102	20 A	1	0.7	0.7					1	20 A	Rec; Rm 114A,114C	2
3	Rec; Rm 103,104	20 A	1			0.7	1.1			1	20 A	Rec; Rm 120,21,22	4
5	Rec; Rm 106, 119B	20 A	1					1.1	0.4	1	20 A	Rec; Generator Yard	6
7	Rec; Rm 105, 108	20 A	1	0.9	4.0					2	60 A	Power; Generator Load Center	8
9	Rec; Rm 108	20 A	1			0.5	4.0						10
11	Rec; Rm 119	20 A	1					0.5	0.0	1	20 A	Spare	12
13	Rec; Rm 1118,119	20 A	1	0.9	0.0					1	20 A	Spare	14
15	Rec; Rm 1119D	20 A	1			1.6	0.0			1	20 A	Spare	16
17	Rec; Rm 107	20 A	1					0.9	--	1	--	Space	18
19	Receptacle; EWC	20 A	1	0.7	--					1	--	Space	20
21	Spare	20 A	1			0.0	--			1	--	Space	22
23	Spare	20 A	1					0.0	--	1	--	Space	24
25	Spare	20 A	1	0.0	--					1	--	Space	26
27	Spare	20 A	1			0.0	--			1	--	Space	28
29	Spare	20 A	1					0.0	--	1	--	Space	30
31	Spare	20 A	1	0.0	--					1	--	Space	32
33	Spare	20 A	1			0.0	--			1	--	Space	34
35	Spare	20 A	1					0.0	--	1	--	Space	36
37				0.0	1.1								38
39	Equipment; SPD2	30 A	3			0.0	0.7			3	60 A	Panel 'LE'	40
41								0.0	0.3				42
	Connected Load Per Phase:			9.0 kVA		8.7 kVA		3.1 kVA					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Equipment	0 VA	0.00%	0 VA		
HVAC	264 VA	100.00%	264 VA	**Connected Load:**	20.83 kVA
Power	7987 VA	100.00%	7987 VA	**Demand Load:**	19.54 kVA
Receptacle	12580 VA	89.75%	11290 VA		
				Total Amps:	54 A

NOTES:

Branch Panel: CA

Location: ELEC 150 | **Volts:** 120/208 Wye | **A.I.C. Rating:** 10 KA
Mounting: Surface | **Phases:** 3 | **Mains Type:** MCB
Enclosure: Type 1 | **Wires:** 4 | **Mains Rating:** 100 A

CKT	Circuit Description	BKR	Poles	A		B		C		Poles	BKR	Circuit Description	CKT
1				12.2	0.0					1	20 A	Spare	2
3	Panel 'CB'	100 A	3			11.3	0.0			1	20 A	Spare	4
5								9.5	0.0	1	20 A	Spare	6
7	Space	--	1	--	0.0					1	20 A	Spare	8
9	Space	--	1			--	0.0			1	20 A	Spare	10
11	Space	--	1					--	0.0	1	20 A	Spare	12
13	Space	--	1	--	0.0					1	20 A	Spare	14
15	Space	--	1			--	--			1	--	Space	16
17	Space	--	1					--	--	1	--	Space	18
19	Space	--	1	--	--					1	--	Space	20
21	Space	--	1			--	--			1	--	Space	22
23	Space	--	1					--	--	1	--	Space	24
25	Space	--	1	--	--					1	--	Space	26
27	Space	--	1			--	--			1	--	Space	28
29	Space	--	1					--	--	1	--	Space	30
31	Space	--	1	--	--					1	--	Space	32
33	Space	--	1			--	--			1	--	Space	34
35	Space	--	1					--	--	1	--	Space	36
37				0.0	--					1	--	Space	38
39	Equipment; SPD2	30 A	3			0.0	--			1	--	Space	40
41								0.0	--	1	--	Space	42
	Connected Load Per Phase:			12.2 kVA		11.3 kVA		9.5 kVA					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Equipment	0 VA	0.00%	0 VA		
Receptacle	32400 VA	65.43%	21200 VA	**Connected Load:**	32.40 kVA
				Demand Load:	21.20 kVA
				Total Amps:	59 A

NOTES:

Branch Panel: HB

Location: ELEC. 112 | **Volts:** 480/277 Wye | **A.I.C. Rating:** 14 KA
Mounting: Surface | **Phases:** 3 | **Mains Type:** MCB
Enclosure: Type 1 | **Wires:** 4 | **Mains Rating:** 200 A

CKT	Circuit Description	BKR	Poles	A		B		C		Poles	BKR	Circuit Description	CKT
1	HVAC; VAV01	20 A	1	1.0	3.2					1	20 A	Lighting; North	2
3	HVAC; VAV02	20 A	1			2.5	0.0			1	20 A	Lighting; Facade **	4
5	HVAC; VAV03	20 A	1					3.0	0.0	1	20 A	Lighting; Flagpole **	6
7	HVAC; VAV04	20 A	3	2.0	0.3					2	20 A	Lighting; Parking **	8
9						2.0	0.3						10
11								2.0	0.2	1	20 A	Lighting; Post Mtd. **	12
13	HVAC; VAV05	20 A	1	2.5	0.0					1	20 A	Spare	14
15	HVAC; VAV06	20 A	1			1.0	0.0			1	20 A	Spare	16
17	HVAC; VAV07	20 A	3					2.2	0.0	1	20 A	Spare	18
19				2.2	0.0					1	20 A	Spare	20
21						2.2	0.0			1	20 A	Spare	22
23	HVAC; VAV08	20 A	1					2.0	0.0	1	20 A	Spare	24
25	HVAC; VAV09	20 A	1	1.0	0.0					1	20 A	Spare	26
27	HVAC; VAV10	20 A	1			1.5	0.0			1	20 A	Spare	28
29	HVAC; VAV11	20 A	1					1.0	--	1	--	Space	30
31	HVAC; VAV12	20 A	1	3.0	--					1	--	Space	32
33							--			1	--	Space	34
35	Space	--	1					--	--	1	--	Space	36
37	Equipment; SPD2	30 A	3	0.0	--					1	--	Space	38
39						0.0	--			1	--	Space	40
41								0.0	--	1	--	Space	42
	Connected Load Per Phase:			15.1 kVA		9.5 kVA		10.4 kVA					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Equipment	0 VA	0.00%	0 VA		
HVAC	31000 VA	100.00%	31000 VA	**Connected Load:**	35.02 kVA
Lighting	4175 VA	125.00%	5218 VA	**Demand Load:**	36.03 kVA
				Total Amps:	43 A

NOTES:
** Via Contactor

Branch Panel: CB

Location: ELEC. 112 | **Volts:** 120/208 Wye | **A.I.C. Rating:** 10 KA
Mounting: Surface | **Phases:** 3 | **Mains Type:** MCB
Enclosure: Type 1 | **Wires:** 4 | **Mains Rating:** 100 A

CKT	Circuit Description	BKR	Poles	A		B		C		Poles	BKR	Circuit Description	CKT
1	Rec; Immersive Space	20 A	2	1.4	1.4					2	20 A	Receptacle	2
3						1.4	1.4						4
5	Rec; Immersive Space	20 A	2					1.4	1.4	2	20 A	Receptacle	6
7				1.4	1.4								8
9	Rec; Immersive Space	20 A	2			1.4	1.4			2	20 A	Receptacle	10
11								1.4	1.4				12
13	Rec; Immersive Space	20 A	2	1.4	1.4					2	20 A	Receptacle	14
15						1.4	1.4						16
17	Rec; Immersive Space	20 A	2					1.4	0.0	1	20 A	Spare	18
19				1.4	0.0					1	20 A	Spare	20
21	Rec; Immersive Space	20 A	2			1.4	0.0			1	20 A	Spare	22
23								1.4	0.0	1	20 A	Spare	24
25	Rec; Immersive Space	20 A	2	1.4	0.0					1	20 A	Spare	26
27						1.4	0.0			1	20 A	Spare	28
29	Rec; Immersive Space	20 A	2					1.4	0.0	1	20 A	Spare	30
31				1.4	0.0					1	20 A	Spare	32
33	Video Panel	20 A	1			0.5	--			1	--	Space	34
35	Space	--	1					--	--	1	--	Space	36
37	Equipment; SPD2	30 A	3	0.0	--					1	--	Space	38
39						0.0	--			1	--	Space	40
41								0.0	--	1	--	Space	42
	Connected Load Per Phase:			12.2 kVA		11.3 kVA		9.5 kVA					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Equipment	0 VA	0.00%	0 VA		
Receptacle	32400 VA	65.43%	21200 VA	**Connected Load:**	32.40 kVA
				Demand Load:	21.20 kVA
				Total Amps:	59 A

NOTES:

Branch Panel: LE

Location: ELEC. 112 | **Volts:** 120/208 Wye | **A.I.C. Rating:** 10 KA
Mounting: Surface | **Phases:** 3 | **Mains Type:** MCB
Enclosure: Type 1 | **Wires:** 4 | **Mains Rating:** 60 A

CKT	Circuit Description	BKR	Poles	A		B		C		Poles	BKR	Circuit Description	CKT
1	Rec; Rm 109	20 A	1	1.1	0.0					1	20 A	Spare	2
3	Rec; Rm 110,115,116	20 A	1			0.7	0.0			1	20 A	Spare	4
5	HVAC; EF11	20 A	1					0.3	0.0	1	20 A	Spare	6
7	Spare	20 A	1	0.0	--					1	--	Space	8
9	Spare	20 A	1			0.0	--			1	--	Space	10
11	Spare	20 A	1					0.0	--	1	--	Space	12
13	Spare	20 A	1	0.0	--					1	--	Space	14
15	Spare	20 A	1			0.0	--			1	--	Space	16
17	Space	--	1					--	--	1	--	Space	18
19	Space	--	1	--	--					1	--	Space	20
21	Space	--	1			--	--			1	--	Space	22
23	Space	--	1					--	--	1	--	Space	24
25	Space	--	1	--	--					1	--	Space	26
27	Space	--	1			--	--			1	--	Space	28
29	Space	--	1					--	--	1	--	Space	30
31	Space	--	1	--	--					1	--	Space	32
33	Space	--	1			--	--			1	--	Space	34
35	Space	--	1					--	--	1	--	Space	36
37	Equipment; SPD2	30 A	3	0.0	--					1	--	Space	38
39						0.0	--			1	--	Space	40
41								0.0	--	1	--	Space	42
	Connected Load Per Phase:			1.1 kVA		0.7 kVA		0.3 kVA					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Equipment	0 VA	0.00%	0 VA		
HVAC	264 VA	100.00%	264 VA	**Connected Load:**	2.06 kVA
Receptacle	1800 VA	100.00%	1800 VA	**Demand Load:**	2.06 kVA
				Total Amps:	6 A

NOTES:

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No.	Date	Issue / Revision

AARON JOSEPH, PE
PE 85273

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607
ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

ELECTRICAL PANEL SCHEDULES

DWG NO. AE-504
SHEET NO.

6/19/2025 8:35:58 AM

Branch Panel: UA

Location: UPS 153 | **Volts:** 120/208 Wye | **A.I.C. Rating:** 10 KA
Mounting: Surface | **Phases:** 3 | **Mains Type:** MCB
Enclosure: Type 1 | **Wires:** 4 | **Mains Rating:** 300 A

CKT	Circuit Description	BKR	Poles	A		B		C		Poles	BKR	Circuit Description	CKT
1	Rec; Control Room	20 A	1	0.4	0.4					1	20 A	Rec; Control Room	2
3	Rec; Control Room	20 A	1			0.4	0.4			1	20 A	Rec; Control Room	4
5	Rec; Control Room	20 A	1					0.4	0.4	1	20 A	Rec; Control Room	6
7	Rec; Control Room	20 A	1	0.4	0.4					1	20 A	Rec; Control Room	8
9	Rec; Control Room	20 A	1			0.4	0.4			1	20 A	Rec; Control Room	10
11	Rec; Control Room	20 A	1					0.4	0.4	1	20 A	Rec; Control Room	12
13	Rec; Control Room	20 A	1	0.4	0.4					1	20 A	Rec; Control Room	14
15	Rec; Control Room	20 A	1			0.4	0.4			1	20 A	Rec; Control Room	16
17	Rec; Control Room	20 A	1					0.4	0.4	1	20 A	Rec; Control Room	18
19	Rec; Office 154	20 A	1	0.5	0.5					1	20 A	Rec; Office 160	20
21	Rec; Office 155	20 A	1			0.5	0.0			1	20 A	Spare	22
23	Rec; Office 156	20 A	1					0.5	0.0	1	20 A	Spare	24
25	Rec; Office 157	20 A	1	0.5	0.0					1	20 A	Spare	26
27	Rec; Office 158	20 A	1			0.5	0.0			1	20 A	Spare	28
29	Rec; Office 159	20 A	1					0.5	0.0	1	20 A	Spare	30
31				3.5	7.0								32
33	Panel 'UD'	100 A	3			3.8	7.0			3	100 A	Panel 'UB'	34
35								3.4	7.0				36
37				0.0	4.8								38
39	Equipment; SPD2	30 A	3			0.0	5.2			3	100 A	Panel 'UC'	40
41								0.0	4.7				42
	Connected Load Per Phase:			19.1 kVA		19.2 kVA		18.3 kVA					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Equipment	0 VA	0.00%	0 VA		
Receptacle	56640 VA	58.83%	33320 VA	Connected Load:	56.64 kVA
				Demand Load:	33.32 kVA
				Total Amps:	92 A

NOTES:

Branch Panel: UB

Location: UPS 153 | **Volts:** 120/208 Wye | **A.I.C. Rating:** 10 KA
Mounting: Surface | **Phases:** 3 | **Mains Type:** MLO
Enclosure: Type 1 | **Wires:** 4 | **Mains Rating:** 100 A

CKT	Circuit Description	BKR	Poles	A		B		C		Poles	BKR	Circuit Description	CKT
1	Rec; Cntrl Rm. Vid. Wall	20 A	1	1.0	0.5					1	20 A	Rec; Cntrl Rm. Vid. Wall	2
3	Rec; Cntrl Rm. Vid. Wall	20 A	1			1.0	0.5			1	20 A	Rec; Cntrl Rm. Vid. Wall	4
5	Rec; Cntrl Rm. Vid. Wall	20 A	1					1.0	0.5	1	20 A	Rec; Cntrl Rm. Vid. Wall	6
7	Rec; Cntrl Rm. Vid. Wall	20 A	1	0.5	0.5					1	20 A	Rec; Cntrl Rm. Vid. Wall	8
9	Rec; Cntrl Rm. Vid. Wall	20 A	1			0.5	0.5			1	20 A	Rec; Cntrl Rm. Vid. Wall	10
11	Rec; Cntrl Rm. Vid. Wall	20 A	1					0.5	0.5	1	20 A	Rec; Cntrl Rm. Vid. Wall	12
13	Rec; Cntrl Rm. Vid. Wall	20 A	1	0.5	0.5					1	20 A	Rec; Cntrl Rm. Vid. Wall	14
15	Rec; Cntrl Rm. Vid. Wall	20 A	1			0.5	0.5			1	20 A	Rec; Cntrl Rm. Vid. Wall	16
17	Rec; Cntrl Rm. Vid. Wall	20 A	1					0.5	0.5	1	20 A	Rec; Cntrl Rm. Vid. Wall	18
19	Rec; Cntrl Rm. Vid. Wall	20 A	1	0.5	0.5					1	20 A	Rec; Cntrl Rm. Vid. Wall	20
21	Rec; Cntrl Rm. Vid. Wall	20 A	1			0.5	0.5			1	20 A	Rec; Cntrl Rm. Vid. Wall	22
23	Rec; Cntrl Rm. Vid. Wall	20 A	1					0.5	0.5	1	20 A	Rec; Cntrl Rm. Vid. Wall	24
25	Rec; Cntrl Rm. Vid. Wall	20 A	1	0.5	0.5					1	20 A	Rec; Cntrl Rm. Vid. Wall	26
27	Rec; Cntrl Rm. Vid. Wall	20 A	1			0.5	0.5			1	20 A	Rec; Cntrl Rm. Vid. Wall	28
29	Rec; Cntrl Rm. Vid. Wall	20 A	1					0.5	0.5	1	20 A	Rec; Cntrl Rm. Vid. Wall	30
31	Rec; Cntrl Rm. Vid. Wall	20 A	1	0.5	1.0					1	20 A	Rec; Cntrl Rm. Vid. Wall	32
33	Rec; Cntrl Rm. Vid. Wall	20 A	1			0.5	1.0			1	20 A	Rec; Cntrl Rm. Vid. Wall	34
35	Rec; Cntrl Rm. Vid. Wall	20 A	1					0.5	1.0	1	20 A	Rec; Cntrl Rm. Vid. Wall	36
37				0.0	0.0					1	20 A	Spare	38
39	Equipment; SPD2	30 A	3			0.0	0.0			1	20 A	Spare	40
41								0.0	0.0	1	20 A	Spare	42
	Connected Load Per Phase:			7.0 kVA		7.0 kVA		7.0 kVA					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Equipment	0 VA	0.00%	0 VA		
Receptacle	21000 VA	73.81%	15500 VA	Connected Load:	21.00 kVA
				Demand Load:	15.50 kVA
				Total Amps:	43 A

NOTES:

Branch Panel: UC

Location: ELEC. 112 | **Volts:** 120/208 Wye | **A.I.C. Rating:** 10 KA
Mounting: Surface | **Phases:** 3 | **Mains Type:** MLO
Enclosure: Type 1 | **Wires:** 4 | **Mains Rating:** 100 A

CKT	Circuit Description	BKR	Poles	A		B		C		Poles	BKR	Circuit Description	CKT
1	Receptacle; Rm 101	20 A	1	0.5	0.5					1	20 A	Receptacle; Copier	2
3	Receptacle; Rm 102	20 A	1			0.5	1.0			1	20 A	Receptacle; Rm 109	4
5	Receptacle; Rm 103	20 A	1					0.5	0.9	1	20 A	Receptacle; Rm 107	6
7	Receptacle; Rm 104	20 A	1	0.5	0.4					1	20 A	Receptacle; Rm 107,08	8
9	Receptacle; Rm 105	20 A	1			0.5	0.5			1	20 A	Receptacle	10
11	Receptacle; Rm 108	20 A	1					1.0	0.5	1	20 A	Receptacle	12
13	Receptacle; Rm 108	20 A	1	1.0	0.5					1	20 A	Receptacle	14
15	Receptacle; Rm 119	20 A	1			0.9	0.5			1	20 A	Receptacle	16
17	Receptacle; Rm 119	20 A	1					1.0	0.7	1	20 A	Receptacle; Rm 121,22	18
19	Receptacle; Rm 119	20 A	1	1.0	0.4					1	20 A	Receptacle; Rm 122	20
21	Receptacle; Rm 119	20 A	1			0.9	0.4			1	20 A	Receptacle; Mail Rm	22
23	Spare	20 A	1					0.0					24
25	Spare	20 A	1	0.0	--					1	--	Space	26
27	Spare	20 A	1			0.0	--			1	--	Space	28
29	Spare	20 A	1					0.0	--	1	--	Space	30
31	Spare	20 A	1	0.0	--					1	--	Space	32
33	Spare	20 A	1			0.0	--			1	--	Space	34
35	Spare	20 A	1					0.0	--	1	--	Space	36
37				0.0	--					1	--	Space	38
39	Equipment; SPD2	30 A	3			0.0	--			1	--	Space	40
41								0.0	--	1	--	Space	42
	Connected Load Per Phase:			4.8 kVA		5.2 kVA		4.7 kVA					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Equipment	0 VA	0.00%	0 VA		
Receptacle	14660 VA	84.11%	12330 VA	Connected Load:	14.66 kVA
				Demand Load:	12.33 kVA
				Total Amps:	34 A

NOTES:

Branch Panel: UD

Location: UPS 153 | **Volts:** 120/208 Wye | **A.I.C. Rating:** 10 KA
Mounting: Surface | **Phases:** 3 | **Mains Type:** MLO
Enclosure: Type 1 | **Wires:** 4 | **Mains Rating:** 100 A

CKT	Circuit Description	BKR	Poles	A		B		C		Poles	BKR	Circuit Description	CKT
1	Rec; Media Room	20 A	1	0.7	0.4					1	20 A	Rec; Server Racks	2
3	Rec; TPO Board Rm.	20 A	1			0.4	0.4			1	20 A	Rec; Server Racks	4
5	Rec; TPO Video Wall	20 A	1					0.4	0.4	1	20 A	Rec; Server Racks	6
7	Rec; TPO Board Rm.	20 A	1	0.4	0.4					1	20 A	Rec; Server Racks	8
9	Rec; TPO Board Rm.	20 A	1			1.0	0.4			1	20 A	Rec; Server Racks	10
11	Rec; TPO Board Rm.	20 A	1					1.0	0.4	1	20 A	Rec; Server Racks	12
13	Rec; TPO Board Rm.	20 A	1	1.0	0.4					1	20 A	Rec; Server Racks	14
15	Rec; TPO Board Rm.	20 A	1			1.0	0.4			1	20 A	Rec; Server Racks	16
17	Rec; TPO Board Rm.	20 A	1					1.0	0.4	1	20 A	Rec; Server Racks	18
19	Space	--	1	--	0.4					1	20 A	Rec; Server Racks	20
21	Space	--	1			--	0.4			1	20 A	Rec; Server Room	22
23	Space	--	1					--	0.0	1	20 A	Spare	24
25	Space	--	1	--	0.0					1	20 A	Spare	26
27	Space	--	1			--	0.0			1	20 A	Spare	28
29	Space	--	1					--	0.0	1	20 A	Spare	30
31	Space	--	1	--	0.0					1	20 A	Spare	32
33	Space	--	1			--	0.0			1	20 A	Spare	34
35	Space	--	1					--	0.0	1	20 A	Spare	36
37				0.0	0.0					1	20 A	Spare	38
39	Equipment; SPD2	30 A	3			0.0	0.0			1	20 A	Spare	40
41								0.0	0.0	1	20 A	Spare	42
	Connected Load Per Phase:			3.5 kVA		3.8 kVA		3.4 kVA					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Equipment	0 VA	0.00%	0 VA		
Receptacle	10720 VA	96.64%	10360 VA	Connected Load:	10.72 kVA
				Demand Load:	10.36 kVA
				Total Amps:	29 A

NOTES:

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Autodesk Docs://9345.00 ECRC/9345.00 Escambia ECRC WGIMEPFP R24.rvt

No.	Date	Issue / Revision

AARON JOSEPH, PE
PE 85273

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607
ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

ELECTRICAL PANEL SCHEDULES

DWG NO. AE-505
SHEET NO.

6/19/2025 8:35:59 AM

CONDUCTOR LEGEND

A – INITIATION DEVICE LOOP – MINIMUM #18 TWISTED SHIELDED PAIR.

B – STROBE CIRCUIT – MINIMUM #18 AWG. PROVIDE #12 OF HIGHER WHERE REQUIRED FOR VOLTAGE DROP.

C – SPEAKER CIRCUIT – MINIMUM #18 AWG. PROVIDE #12 OF HIGHER WHERE REQUIRED FOR VOLTAGE DROP.

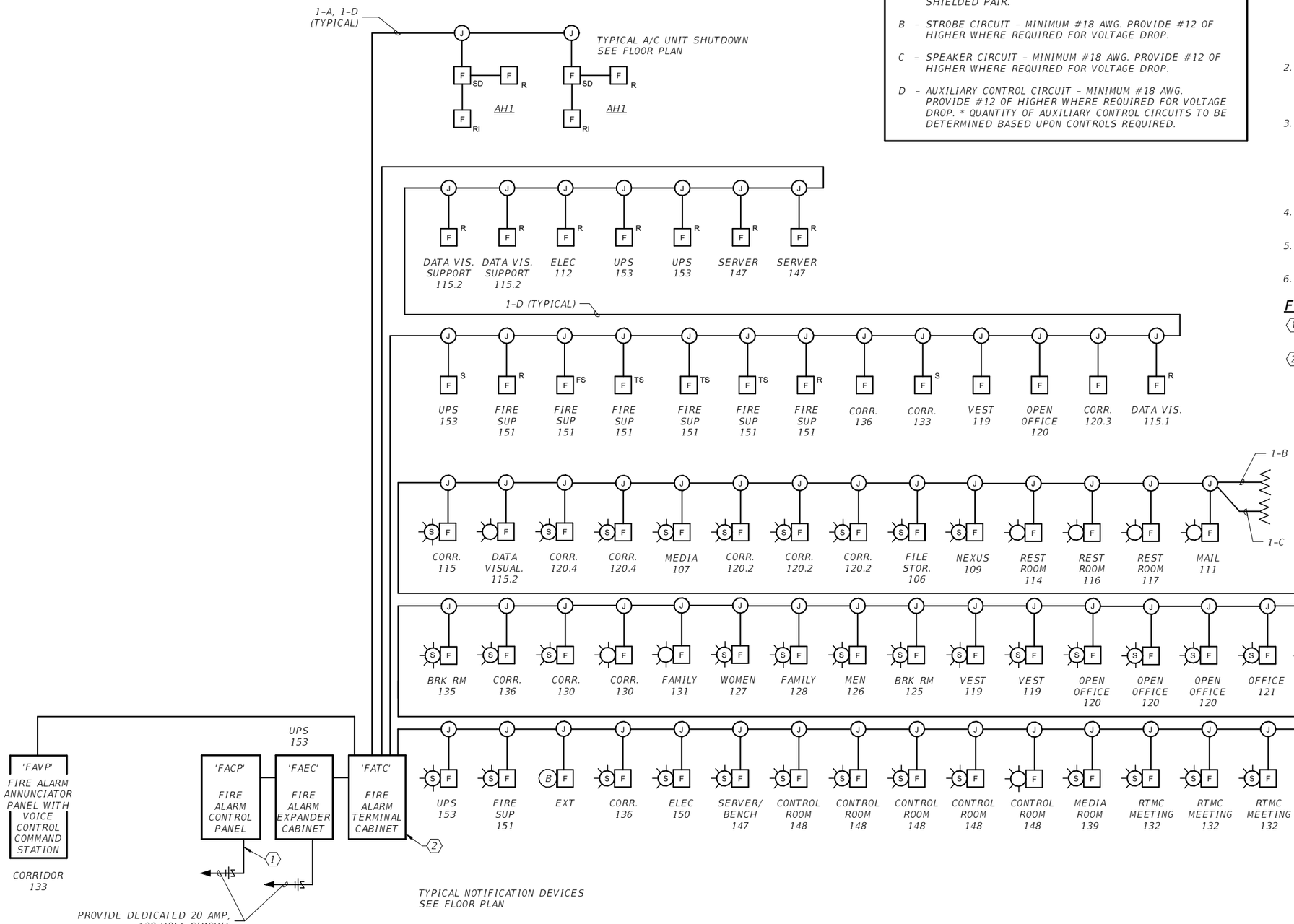
D – AUXILIARY CONTROL CIRCUIT – MINIMUM #18 AWG. PROVIDE #12 OF HIGHER WHERE REQUIRED FOR VOLTAGE DROP. * QUANTITY OF AUXILIARY CONTROL CIRCUITS TO BE DETERMINED BASED UPON CONTROLS REQUIRED.

FIRE ALARM GENERAL NOTES:

1. ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT SIZED IN ACCORDANCE WITH NEC. ALL CONDUIT SHALL BE CONCEALED WHERE EVER POSSIBLE. PROVIDE SURFACE MOUNTED WIREMOLD WHERE RACEWAY IS REQUIRED TO BE SURFACE MOUNTED. CONDUIT SIZES SHOWN ARE MINIMUM. PROVIDE REQUIRED CONDUIT FOR NUMBER OF CONDUCTORS REQUIRED.
2. INDICATING APPLIANCE SIGNAL CIRCUITS SHALL BE A MINIMUM #12 AWG STRANDED COPPER, NPLFP TYPE, PER NEC. ALARM INITIATING CIRCUITS SHALL BE A MINIMUM #18 AWG STRANDED COPPER, NPLFP TYPE, PER NEC.
3. QUANTITIES OF CONDUCTORS AND CIRCUITING INDICATED IS BASED ON A SPECIFIC SYSTEM AND MAY BE DIFFERENT DEPENDING ON THE MANUFACTURER UTILIZED. CONTRACTOR IS TO PROVIDE ALL NECESSARY CIRCUITS, WIRE AND CONDUIT TO ACCOMPLISH THE FUNCTIONS INDICATED HERE, ON THE FLOOR PLANS AND IN THE SPECIFICATIONS.
4. SEE FLOOR PLANS FOR ADDITIONAL DEVICES REQUIRED WHICH MAY NOT BE INDICATED ON THE RISER DIAGRAM.
5. FIRE ALARM CIRCUITS SHALL NOT BE SPLICED INSIDE MANHOLES OR ANYWHERE BELOW GRADE.
6. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS

FIRE ALARM NOTES:

1. PROVIDE 120 VOLT CIRCUIT FROM PANELBOARD AS INDICATED ON DRAWING.
2. PROVIDE SURGE SUPPRESSION IN CABINET



FIRE ALARM RISER DIAGRAM

NOT TO SCALE

No.	Date	Issue / Revision

AARON JOSEPH, PE
PE 85273

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607
ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

FIRE ALARM RISER DIAGRAM

DWG NO. AE-601

SHEET NO.

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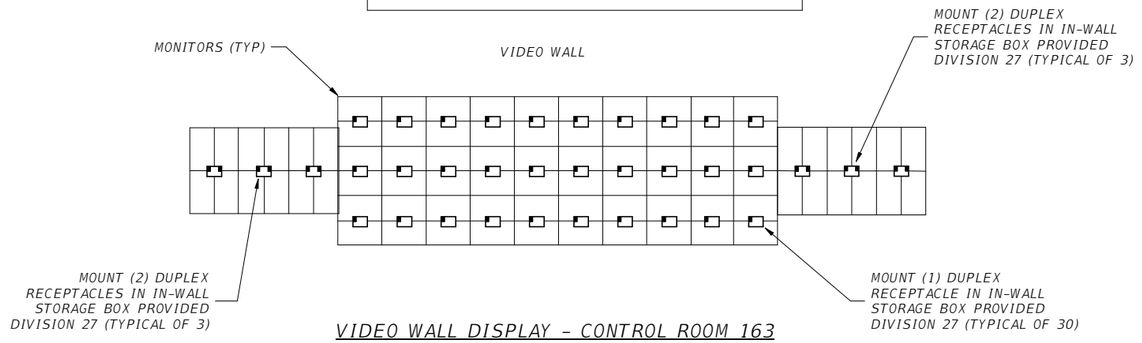
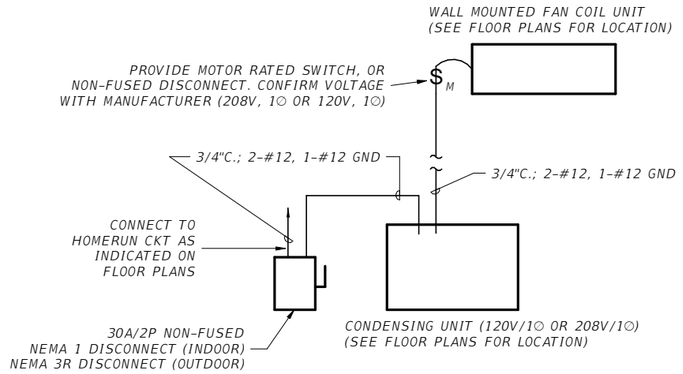
COORDINATE EXACT PLACEMENT OF DUPLEX RECEPTACLES IN IN-WALL STORAGE BOX WITH DIVISION 27.



VIDEO WALL DISPLAY - CONTROL ROOM 163

NOT TO SCALE



TYPICAL WIRING DETAIL FOR DUCTLESS SPLIT SYSTEMS

NOT TO SCALE

EXAMPLE

'HA1'
480Y/277V, 3Ø, 4W.
FED FROM PANEL 'DP'
CIR-1,3,5

NOTES:

PROVIDE NAMEPLATE LABELS ON ALL EQUIPMENT. EACH NAME PLATE SHALL HAVE THE FOLLOWING INFORMATION:
1. EQUIPMENT NAME
2. LOCATION FROM WHICH EQUIPMENT IS BEING FED
3. FROM. INCLUDE CIRCUIT NUMBERS

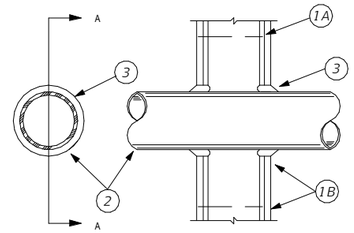
TYPICAL NAMEPLATE DETAIL

NOT TO SCALE

System No. W-L-1001

June 15, 2005

F Ratings — 1, 2, 3 and 4 Hr (See Items 2 and 3)
T Ratings — 0, 1, 2, 3, and 4 Hr (See Item 3)
L Rating At Ambient — less than 1 CFM/sq ft
L Rating At 400 F — less than 1 CFM/sq ft



SECTION A-A

FIRE-RATED WALL PENETRATION DETAIL FOR PIPE OR CONDUIT

NOT TO SCALE

1. WALL ASSEMBLY - THE 1, 2, 3 OR 4 HR FIRE-RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL U300 OR U400 SERIES WALL OR PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:

   A. STUDS - WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS (MAX 2 H FIRE RATED ASSEMBLIES) OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. (51 BY 102 MM) LUMBER SPACED 16 IN. (406 MM) OC WITH NOM 2 BY 4 IN. (51 BY 102 MM) LUMBER END PLATES AND CROSS BRACES. STEEL STUDS TO BE MIN 3-5/8 IN. (92 MM) WIDE BY 1-3/8 IN. (35 MM) DEEP CHANNELS SPACED MAX 24 IN. (610 MM) OC.

   B. GYPSUM BOARD* - NOM 1/2 OR 5/8 IN. (13 OR 16 MM) THICK, 4 FT. (122 CM) WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM WALLBOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAX DIAM OF OPENING IS 26 IN. (660 MM).

2. THROUGH-PENETRANT — ONE METALLIC PIPE, CONDUIT OR TUBING INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE BETWEEN PIPE, CONDUIT OR TUBING AND PERIPHERY OF OPENING SHALL BE MIN OF 0 IN / (0 MM). (POINT CONTACT) TO MAX 2 IN. (51 MM) PIPE, CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, CONDUITS OR TUBING MAY BE USED:

   A. STEEL PIPE — NOM 24 IN. (610 MM) DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE.

   B. IRON PIPE — NOM 24 IN. (610 MM) DIAM (OR SMALLER) SERVICE WEIGHT (OR HEAVIER) CAST IRON SOIL PIPE, NOM 12 IN (305 MM) DIAM (OR SMALLER) OR CLASS 50 (OR HEAVIER) DUCTILE IRON PRESSURE PIPE.

   C. CONDUIT — NOM 6 IN. (152 MM) DIAM (OR SMALLER) STEEL CONDUIT OR NOM 4 IN (102 MM) DIAM (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING

   D. COPPER TUBING — NOM 6 IN. (152 MM) DIAM (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING

   E. COPPER PIPE — NOM 6 IN. (152 MM) DIAM (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.

   F. THROUGH PENETRATING PRODUCT* — FLEXIBLE METAL PIPING THE FOLLOWING TYPES OF STEEL FLEXIBLE METAL GAS PIPING MAY BE USED:

      1) NOM 2 IN. (51 MM) DIAM (OR SMALLER) STEEL FLEXIBLE METAL GAS PIPING. PLASTIC COVERING ON PIPING MAY OR MAY NOT BE REMOVED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY. OMEGA FLEX INC
      2) NOM 1 IN. (25 MM) DIAM (OR SMALLER) STEEL FLEXIBLE METAL GAS PIPING. PLASTIC COVERING ON PIPING MAY OR MAY NOT BE REMOVED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY. GASTITE, DIV OF TITEFLEX
      3) NOM 1 IN. (25 MM) DIAM (OR SMALLER) STEEL FLEXIBLE METAL GAS PIPING. PLASTIC COVERING ON PIPING MAY OR MAY NOT BE REMOVED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY. WARD MFG L L C

3. FILL, VOID OR CAVITY MATERIAL* — CAULK OR SEALANT — MIN 5/8. , 1-1/4,1-7/8 AND 2-1/2 IN. (16, 32, 48 AND 64 MM) THICKNESS OF CAULK FOR 1, 2, 3 AND 4 HR RATED ASSEMBLIES, RESPECTIVELY, APPLIED WITHIN ANNULUS, FLUSH WITH BOTH SURFACES OF WALL. MIN 1/4 IN. (6 MM) DIAM BEAD OF CAULK APPLIED TO GYPSUM BOARD/PENETRANT INTERFACE AT POINT CONTACT LOCATION ON BOTH SIDES OF WALL. THE HOURLY F RATING OF THE FIRESTOP SYSTEM IS DEPENDENT UPON THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED, AS SHOWN IN THE FOLLOWING TABLE. THE HOURLY T RATING OF THE FIRESTOP SYSTEM IS DEPENDENT UPON THE TYPE OR SIZE OF THE PIPE OR CONDUIT AND THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED, AS TABULATED BELOW:

MAX PIPE OR CONDUIT DIAM. IN (MM)	F RATING HR	T RATING HR
1 (25)	1 or 2	0+, 1 or 2
1 (25)	3 or 4	3 or 4
4 (102)	1 or 2	0
6 (152)	3 or 4	0
12 (305)	1 or 2	0

+WHEN COPPER PIPE IS USED, T RATING IS 0 H.

3M COMPANY — CP 25WB+ OR FB-3000 WT.

* INDICATES SUCH PRODUCTS SHALL BEAR THE UL OR CUL CERTIFICATION MARK FOR JURISDICTIONS EMPLOYING THE UL OR CUL CERTIFICATION (SUCH AS CANADA), RESPECTIVELY.

LAST UPDATED ON 2005-06-15

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No.	Date	Issue / Revision

AARON JOSEPH, PE
PE 85273

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607
ENGINEERING BUSINESS LICENSE NO.: 33574

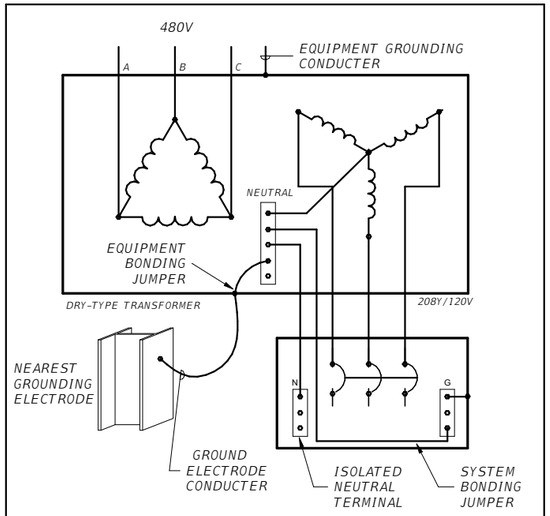
FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

ELECTRICAL DETAILS

DWG NO.
AE-701
SHEET NO.

6/19/2025 8:36:00 AM



TRANSFORMER GROUNDING DETAIL

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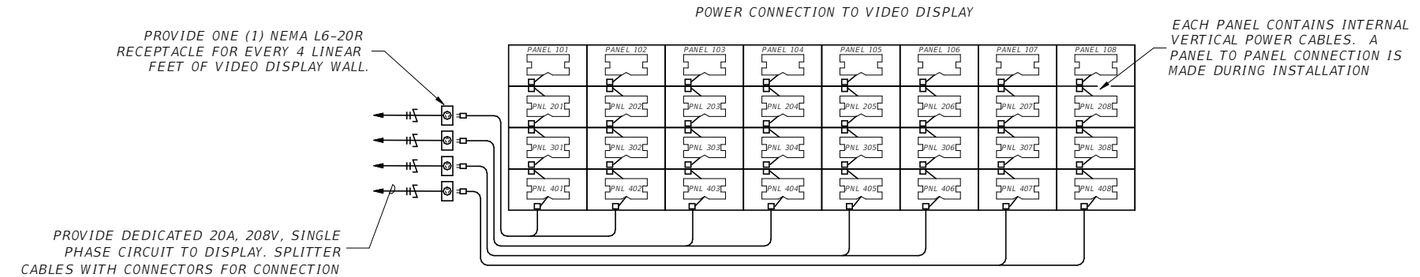
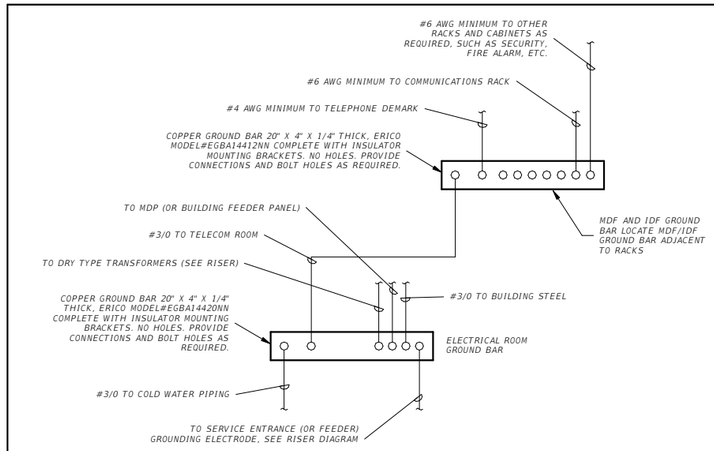


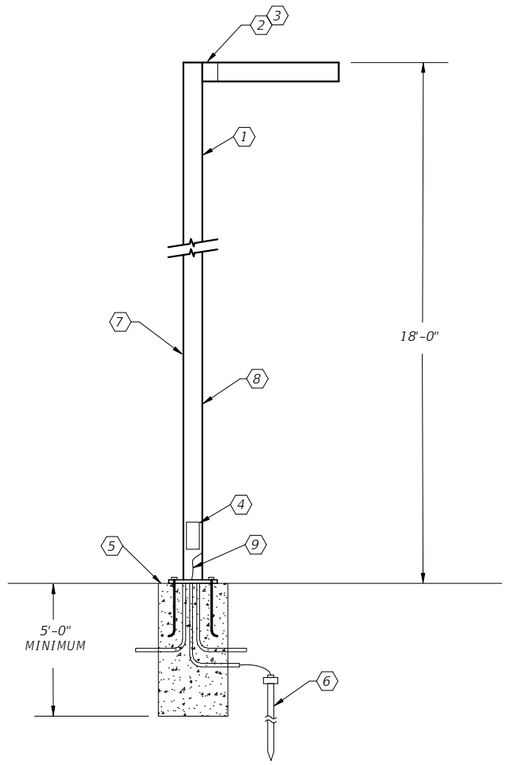
VIDEO WALL DISPLAY WIRING DETAIL – IMMERSIVE SPACE #116

NOT TO SCALE



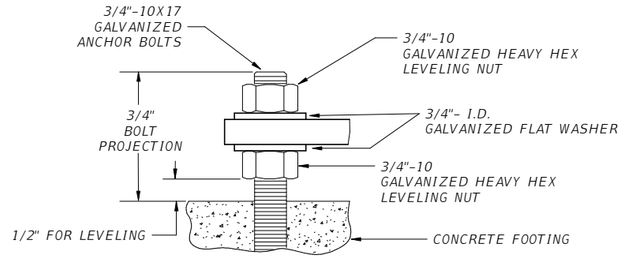
GROUND BAR DETAIL

NOT TO SCALE



DETAIL NOTES:

1. PROVIDE A 18' SQUARE ALUMINUM POLE. THE POLE, COMPLETE WITH MOUNTING DEVICE AND LUMINAIRES IN PLACE, SHALL BE CAPABLE OF WITHSTANDING THE FOLLOWING: ULTIMATE WIND SPEED AS SPECIFIED IN THE FLORIDA BUILDING CODE 7TH EDITION (2020).
2. PROVIDE REQUIRED BRACKET ARM AND ACCESSORIES COMPATIBLE WITH POLE DESIGN, WITH STRENGTH ADEQUATE FOR WIND SPEED AS SPECIFIED IN THE FLORIDA BUILDING CODE.
3. PROVIDE GROUND WIRE ATTACHED TO GROUND LUG OR THROUGH BOLT ON BRACKET ARM, AND TO GROUND LUG ON LUMINAIRE.
4. STANDARD HANDHOLE WITH ALUMINUM METAL COVER ATTACHED WITH STAINLESS STEEL MACHINE SCREWS. MAKE CIRCUIT SPLICES IN THIS HANDHOLE.
5. BACKFILL IN ACCORDANCE WITH SECTION 125.8 STANDARD SPECIFICATIONS FOR FLORIDA DEPARTMENT OF TRANSPORTATION ROAD CONSTRUCTION.
6. PROVIDE 3/4" DIA. X 20'-0" COPPER GROUND ROD AT EACH POLE. PROVIDE #6 AWG, CU BARE GROUND WIRE BONDED TO GROUND ROD (TYPICAL).
7. PROVIDE STRUCTURAL ENGINEERING DRAWINGS CERTIFYING POLE AND POLE BASE COMPLIANCE WITH FLORIDA BUILDING CODE WIND LOAD REQUIREMENTS FOR THE ACTUAL SOIL CONDITIONS. DRAWING SHALL BE SIGNED AND SEALED BY A FLORIDA REGISTERED P.E..
8. POLE AND POLE BASE SHALL COMPLY WITH FDOT STANDARD INDEX NO. 17515, FOR A STANDARD ROADWAY ALUMINUM POLE. FIXTURE/LUMINAIRE ARMS SHALL COMPLY WITH LUMINAIRE MANUFACTURERS MOUNTING AND INSTALLATION INSTRUCTIONS AND WIND LOAD CRITERIA.
9. BOND TO GROUND ROD WITH #6 AWG CU.



ANCHOR BOLT DETAIL

SITE LIGHTING POLE DETAILS

NOT TO SCALE

No.	Date	Issue / Revision

AARON JOSEPH, PE
PE 85273

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607
ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

ELECTRICAL DETAILS

DWG NO. AE-702

SHEET NO.

Autodesk Docs://9345.00 ECRC/9345.00 Escambia ECRC WGIMEPFP R24.rvt

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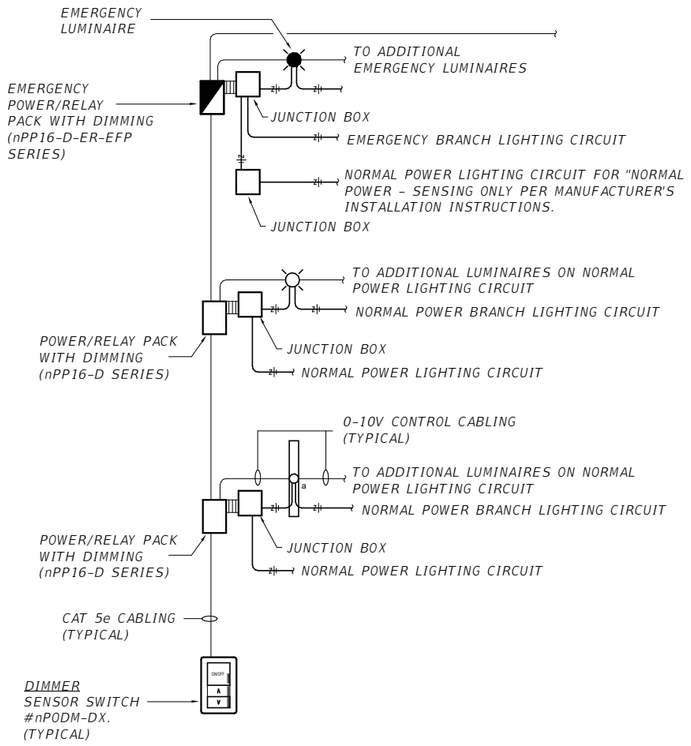
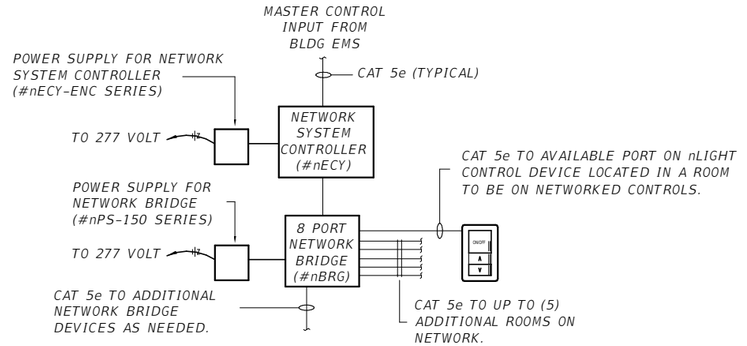
6/19/2025 8:36:00 AM



LIGHTING CONTROL SYSTEM GENERAL NOTES:

1. LIGHTING CONTROL SYSTEM SHALL BE nLIGHT/SENSOR SWITCH OR APPROVED EQUAL. SUBSTITUTIONS WILL NOT BE ACCEPTED WITHOUT WRITTEN PRIOR APPROVAL BY OFFICIAL ADDENDUM PRIOR TO BID.
2. PROVIDE ALL SWITCHES, DIMMERS, POWER PACKS OR OTHER EQUIPMENT AS PART OF A COMPLETE LIGHTING CONTROLLER PACKAGE. COORDINATE COMPATIBILITY OF ANY LUMINAIRES THAT ARE NOT nLIGHT ENABLED AND DIMMING POWER/RELAY PACKS PRIOR TO PURCHASING.
3. INSTRUCT OWNER HOW TO BYPASS LIGHTING CONTROL SYSTEM AND TURN LUMINAIRES ON AND MAKE SPACE USABLE IN THE EVENT OF A SYSTEM FAILURE.
4. SEE SPECIFICATION 26 0923 FOR WARRANTY, TRAINING, COMMISSIONING AND CLOSE-OUT REQUIREMENTS.
5. ALL nLIGHT ENABLED LUMINAIRES AND DEVICES CONNECTED VIA CAT-5e CABLING MUST BE CONNECTED IN A "DAISY-CHAINED" MANNER TO ACHIEVE PROPER CONTROL.
6. PROVIDE ALL SET-UP, PROGRAMMING AND TRAINING.



TYPICAL LIGHTING CONTROLS DIAGRAM

NOT TO SCALE

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Autodesk Docs://9345.00 ECRC/9345.00 Escambia ECRC WGIMEPFP R24.rvt

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SUITE 375
TAMPA, FL 33607
ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO

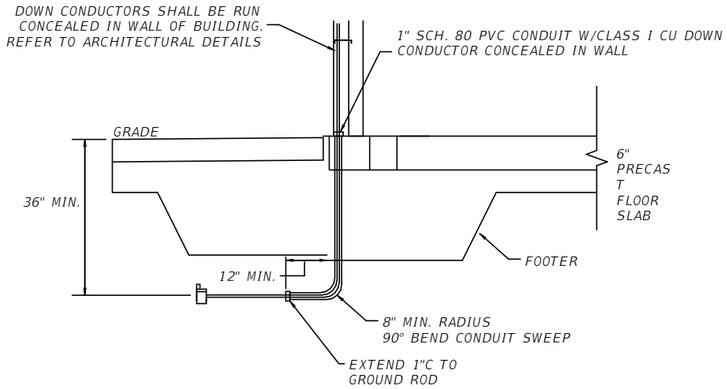
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

ELECTRICAL DETAILS

DWG NO. AE-703

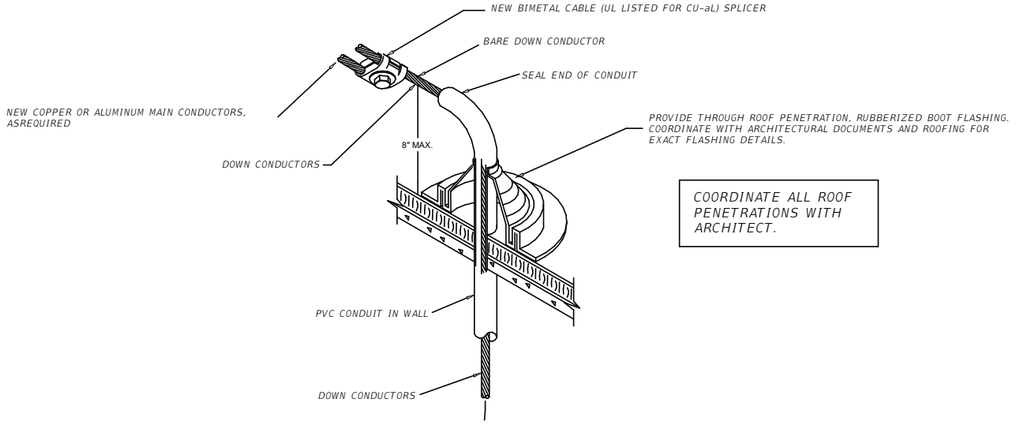
SHEET NO.

6/19/2025 8:36:00 AM



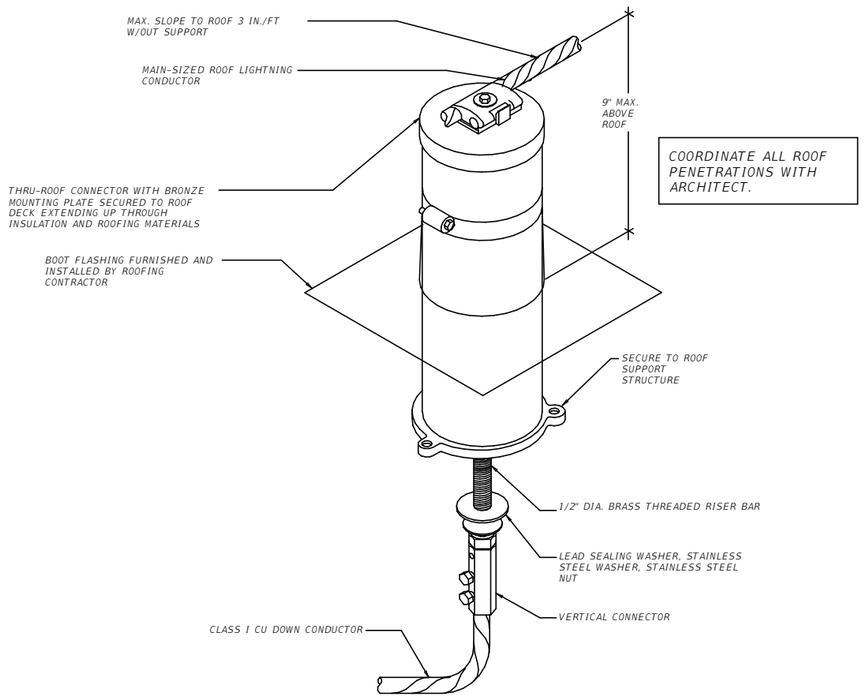
DOWN CONDUCTOR CONDUIT ENLARGED WALL SECTION

NOT TO SCALE



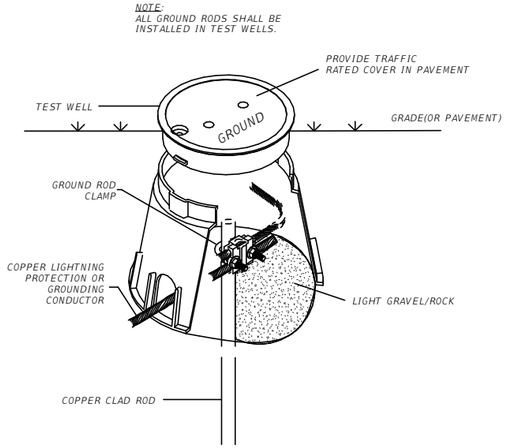
ROOF PENETRATION DETAIL

NOT TO SCALE



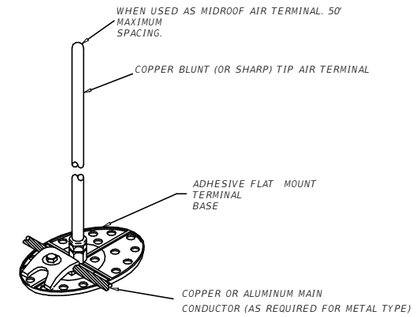
THRU ROOF CONNECTOR WITH FLASHING TUBE AND CABLE BASE

NOT TO SCALE



TEST WELL DETAIL

NOT TO SCALE



SURFACE MOUNTED AIR TERMINAL DETAIL

NOT TO SCALE

NOTE:
PROVIDE A SACRIFICIAL PAD FOR ALL CONNECTIONS TO THE ROOF, USING A LAYER OF TOP SHEET ROOFING MATERIAL, TO PROTECT THE ROOF FROM THE LIGHTNING PROTECTION CONNECTIONS. APPLY ADHESIVE TO TOP AND BOTTOM OF THE PAD AND TO THE DEVICE (TERMINAL BASE, SPLICER, ETC.) CONNECTION.

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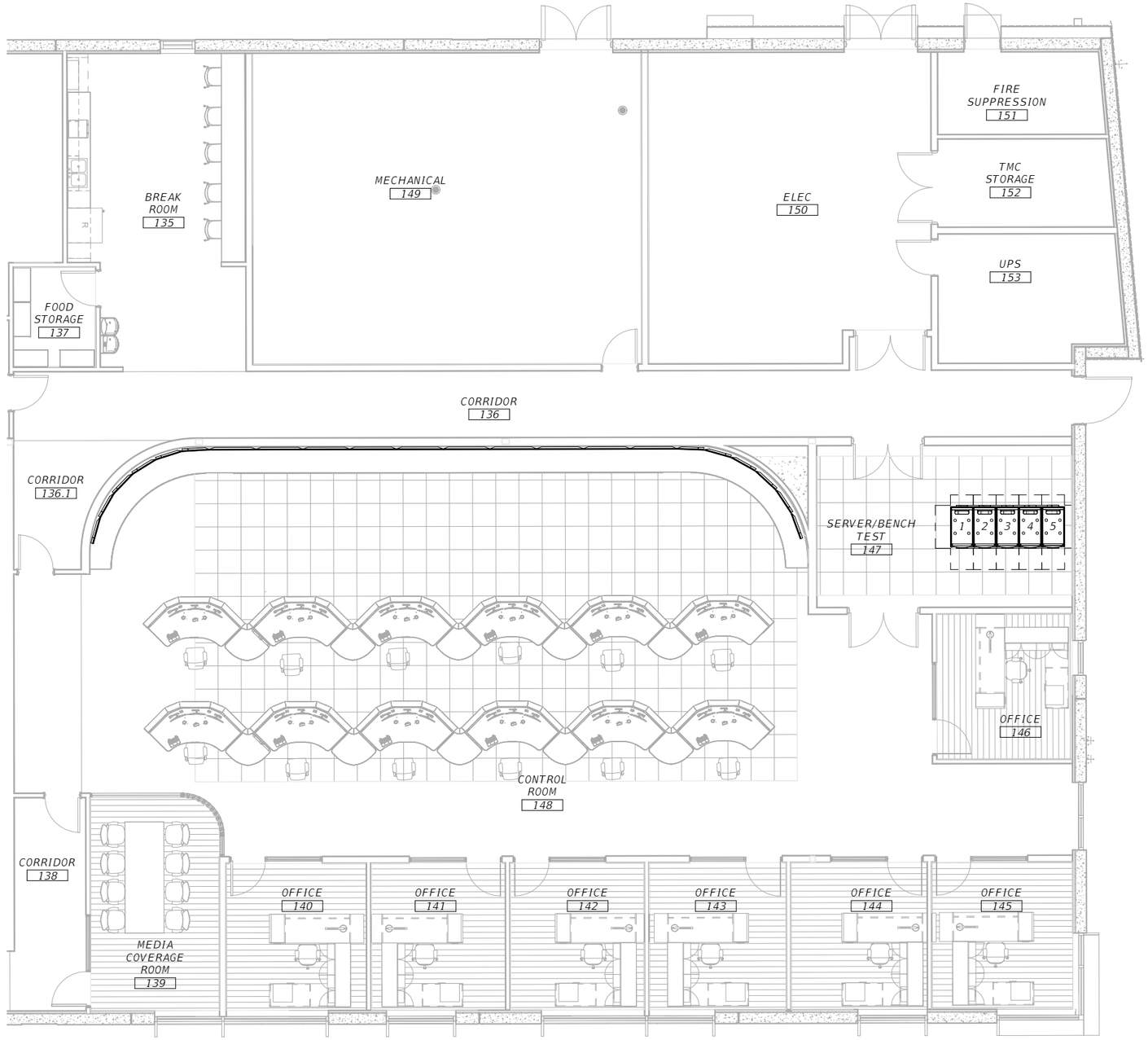
FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

LIGHTNING PROTECTION DETAILS

DWG NO. AE-704

SHEET NO.



1 CONTROL ROOM VIDEO WALL PLAN

0' 4' 8' 16'

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2255 KILLEARN CENTER BLVD.
SUITE 200
TALLAHASSEE, FLORIDA 32309
TEL. (850) 224-4400

BRYAN P. HUBBARD, P.E.
PE NO. 70962

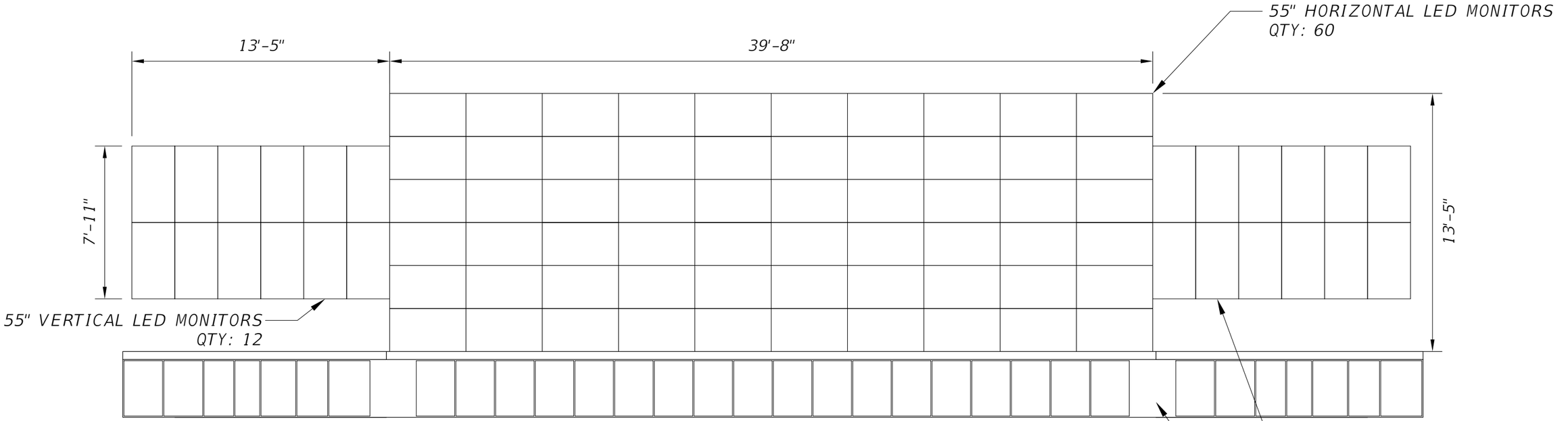
HALFF ASSOCIATES, INC.
2255 KILLEARN CENTER BLVD.
SUITE 200
TALLAHASSEE, FL 32309

FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

CONTROL ROOM VIDEO WALL PLAN

DWG NO.
ITS100
SHEET NO.



VIDEO WALL MONITOR LAYOUT

0' 2' 4' 8'

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VIDEO WALL MONITOR LAYOUT

DWG NO. ITS101

SHEET NO.

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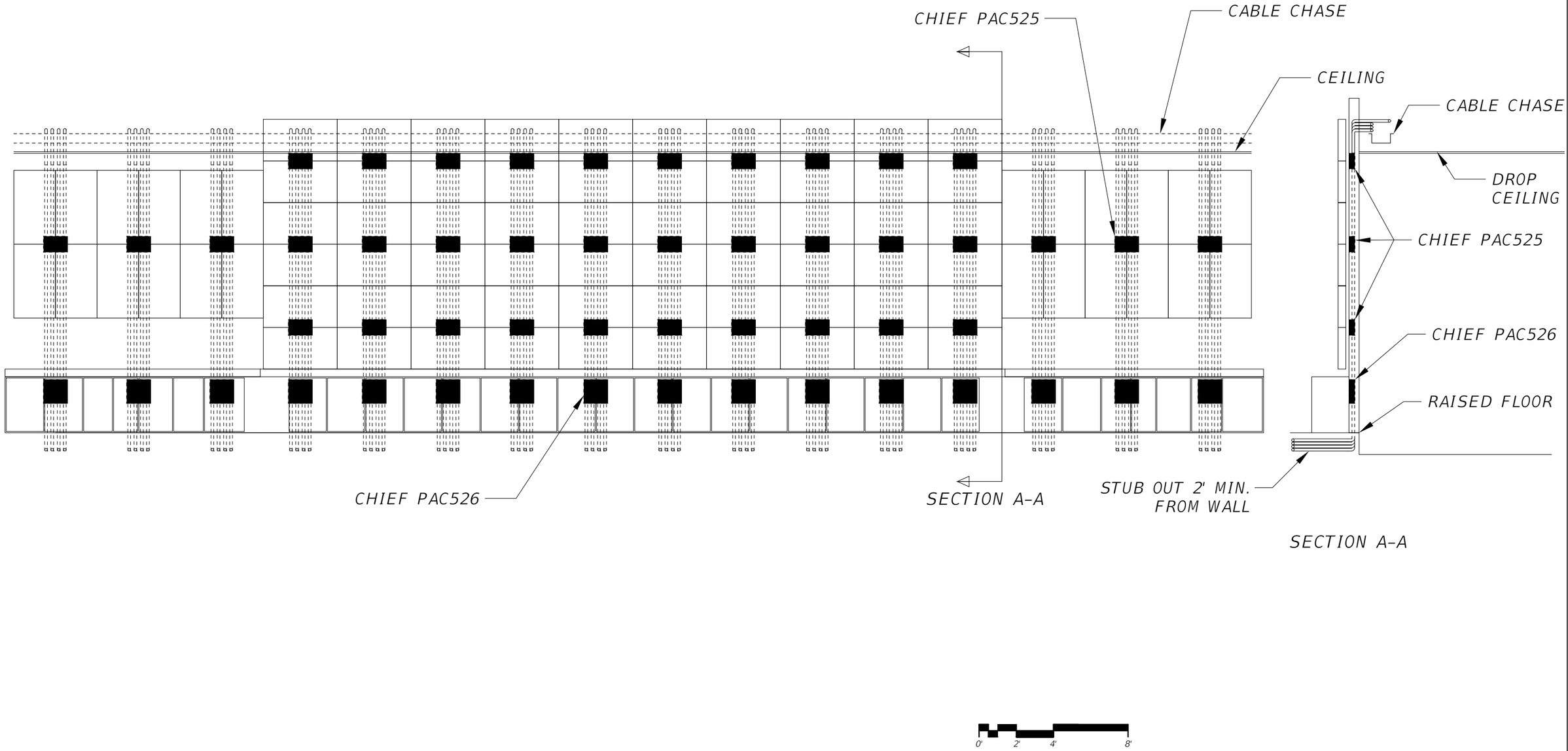

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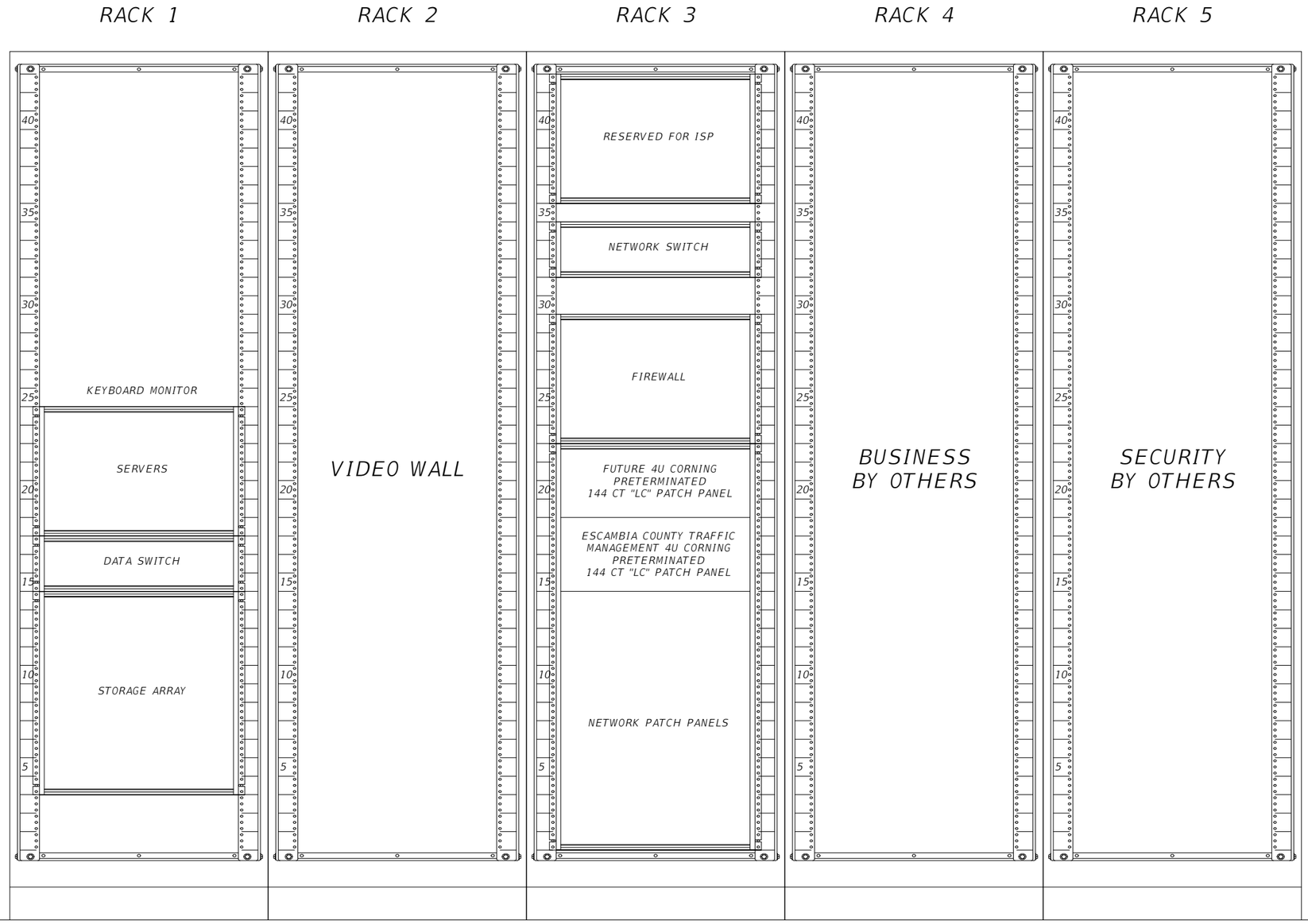
FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

VIDEO WALL CONNECTION DIAGRAM

DWG NO. ITS102

SHEET NO.



NOTES:

1. COORDINATE THE TIMING OF NEW SERVER AND SOFTWARE INSTALLATION WITH ESCAMBIA COUNTY:

   ESAMBIA COUNTY ENGINEERING DEPARTMENT –
   TRANSPORTATION AND TRAFFIC OPERATIONS DIVISION
   JIM HAGON
   3363 WEST PARK PLACE
   PENSACOLA, FLORIDA 32305
   PHONE: 850-516-6590

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FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

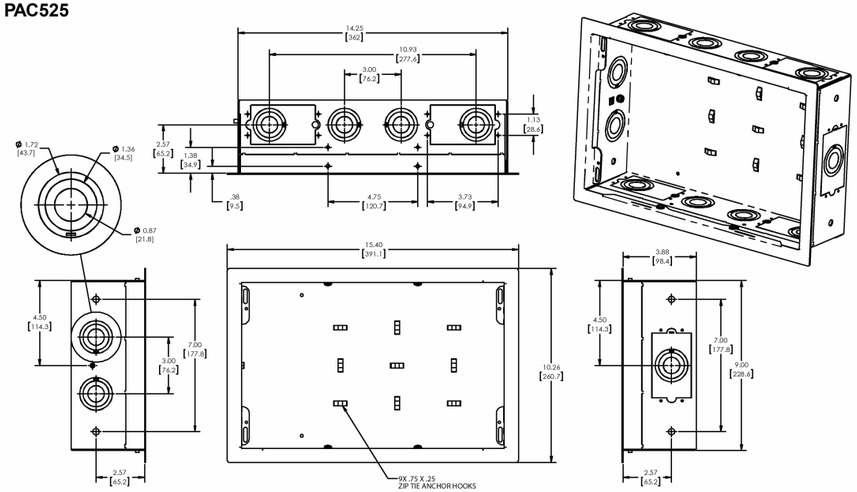
SERVER RACK LAYOUT

DWG NO.
ITS103
SHEET NO.

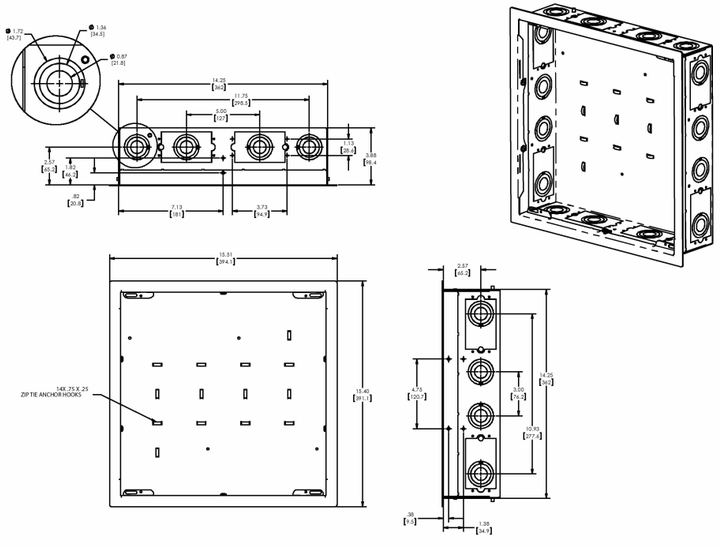
Installation Instructions PAC525/526

DIMENSIONS

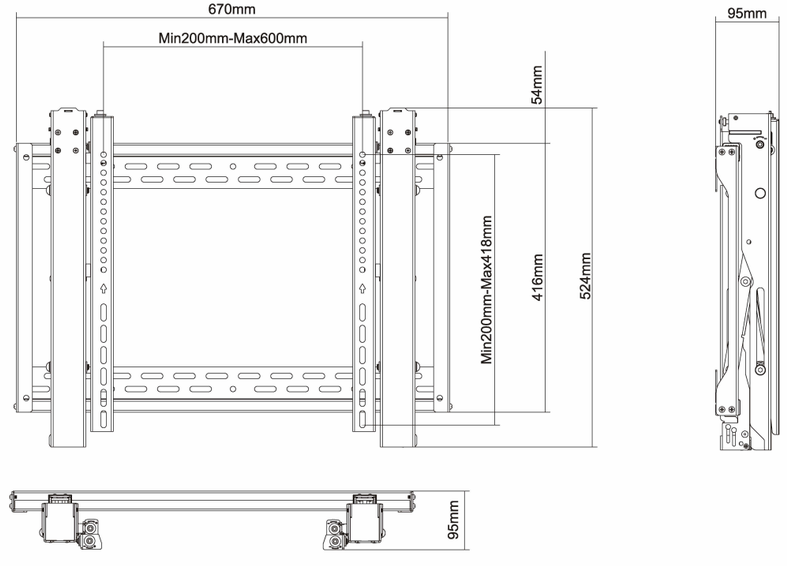
PAC525

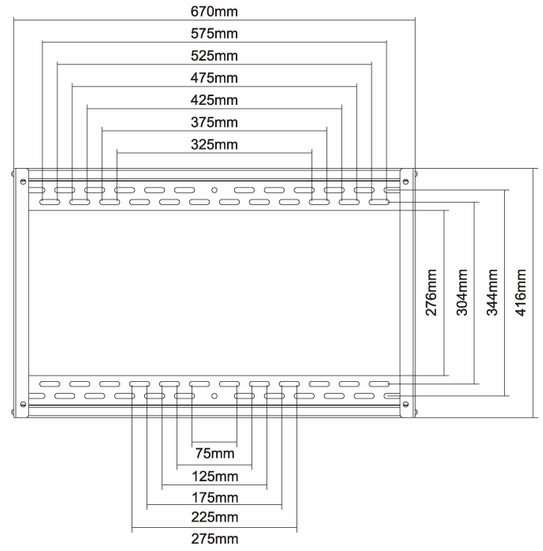


PAC526



1. Product Dimensions





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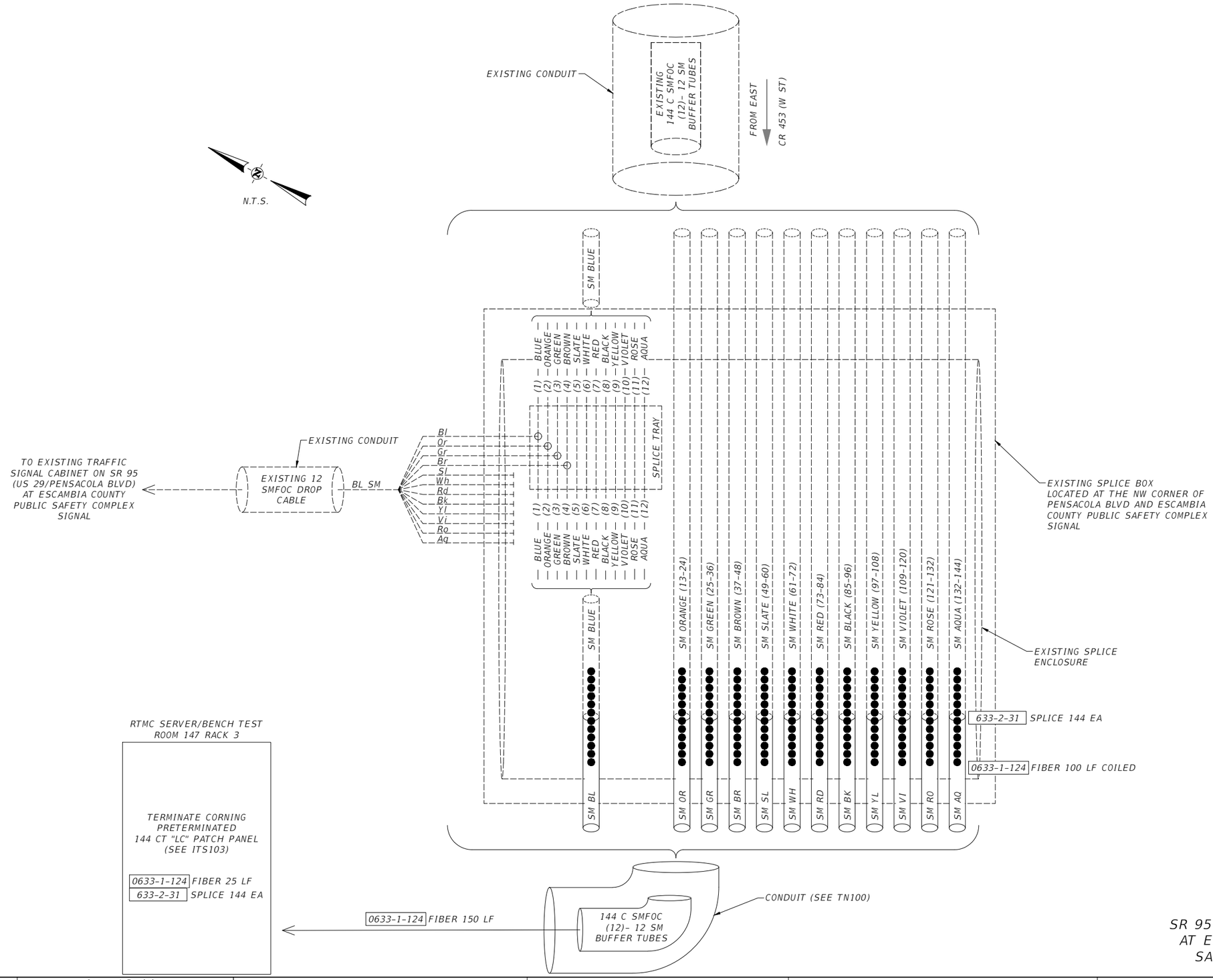
FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

VIDEO WALL CUTSHEETS

DWG NO.
ITS104
SHEET NO.



LEGEND	DESCRIPTION
●	PROPOSED SPLICE
○	EXISTING SPLICE
———	PROPOSED FIBER
- - - - - -	EXISTING FIBER

NOTES:

1. REFER TO TELECOMMUNICATIONS SITE PLAN SHEET TN100.
2. SLACK REQUIREMENTS:

   100 FEET OF CABLE ON EACH SIDE OF CABLE SPLICE IN SPLICE BOXES
   50 FEET OF CABLE IN FIBER OPTIC PULL BOXES.
   25 FEET OF CABLE IN SERVER RACK ENCLOSURE.
2. ONE WEEK PRIOR TO THE BEGINNING OF THE INSTALLATION, NOTIFY:

   ESCAMBIA COUNTY ENGINEERING DEPARTMENT – TRANSPORTATION AND TRAFFIC OPERATIONS DIVISION
   JIM HAGON
   3363 WEST PARK PLACE
   PENSACOLA, FLORIDA 32305
   PHONE: 850-516-6590
3. ALL MATERIALS, EQUIPMENT AND OTHER CONTRACTOR SUPPLIED ITEMS SHALL BE INSTALLED AND MAINTAINED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS, UNLESS SPECIFICALLY DIRECTED OTHERWISE BY THE ENGINEER.
4. SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW FOR ALL EQUIPMENT AND MATERIALS FURNISHED AND INSTALLED. THE CONTRACTOR SHALL FURNISH COPIES OF ALL DRAWINGS, SCHEDULES AND COMPLETE DESCRIPTIVE AND TECHNICAL DATA ON ALL ITEMS TO THE ENGINEER OF RECORD.

SR 95 (US 29/PENSACOLA BLVD) AT ESCAMBIA COUNTY PUBLIC SAFETY COMPLEX SIGNAL

No.	Date	Issue / Revision

halff
2255 KILLEARN CENTER BLVD.
SUITE 200
TALLAHASSEE, FLORIDA 32309
TEL. (850) 224-4400

BRYAN P. HUBBARD, P.E.
PE NO. 70962

HALFF ASSOCIATES, INC.
2255 KILLEARN CENTER BLVD.
SUITE 200
TALLAHASSEE, FL 32309

FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

SPLICING DIAGRAM

DWG NO. ITS105
SHEET NO.

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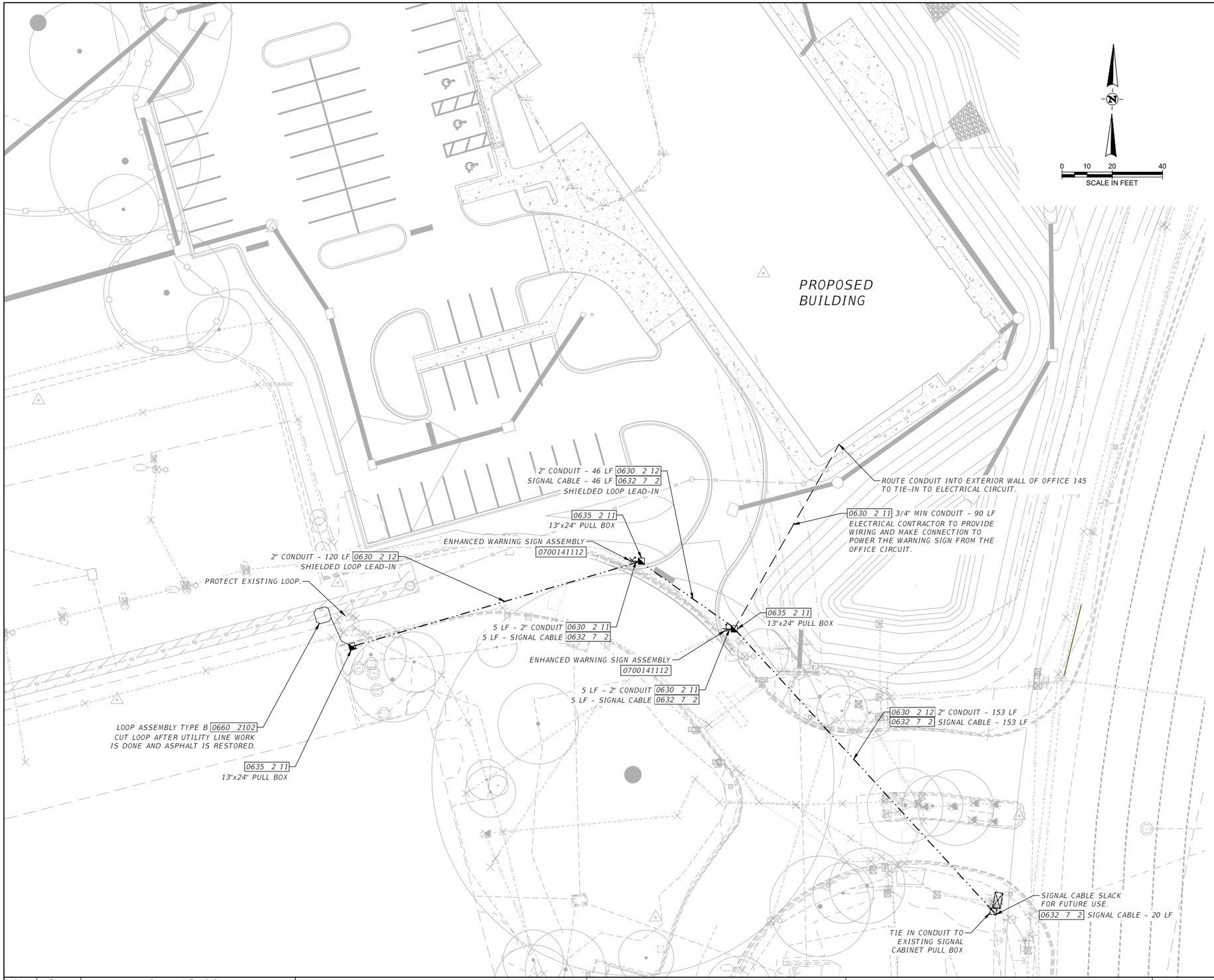

LEGEND

- PROPOSED CONDUIT, DIRECTIONAL BORE
- PROPOSED CONDUIT, OPEN TRENCH
- PROPOSED PULL BOX
- PROPOSED ENHANCED WARNING SIGN
- PROPOSED LOOP ASSEMBLY
- EXISTING SIGNAL CABINET
- EXISTING PULL BOX

NOTES

1. REFER TO WARNING SIGN DETAILS SHEET ITS107.
2. COORDINATE WITH OWNER AND ESCAMBIA COUNTY TRAFFIC ENGINEERING DEPARTMENT PRIOR TO ORDERING MATERIALS.
3. ONE WEEK PRIOR TO THE BEGINNING OF THE INSTALLATION, NOTIFY:
   ESCAMBIA COUNTY ENGINEERING DEPARTMENT - TRANSPORTATION AND TRAFFIC OPERATIONS DIVISION
   JIM HAGON
   3363 WEST PARK PLACE
   PENSACOLA, FLORIDA 32305
   PHONE: 850-516-6590
4. THE LOCATION OF UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE ONLY. THE EXACT LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR, VIA SUNSHINE STATE ON CALL OF FLORIDA, INC AT 811 OR 1-800-432-4770, IN COORDINATION WITH UNDERGROUND AND OVERHEAD UTILITY OWNERS. A MINIMUM OF 2 FULL BUSINESS DAYS PRIOR TO DIGGING IS REQUIRED.
5. HAND DIG THE FIRST 48 INCHES OF THE HOLE WHERE NEW PULL BOXES OR CONDUIT RUNS ARE IN CLOSE PROXIMITY TO UTILITIES.
6. ALL MATERIALS, EQUIPMENT AND OTHER CONTRACTOR SUPPLIED ITEMS SHALL BE INSTALLED AND MAINTAINED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS, UNLESS SPECIFICALLY DIRECTED OTHERWISE BY THE ENGINEER.
7. SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW FOR ALL EQUIPMENT AND MATERIALS FURNISHED AND INSTALLED. THE CONTRACTOR SHALL FURNISH COPIES OF ALL DRAWINGS, SCHEDULES AND COMPLETE DESCRIPTIVE AND TECHNICAL DATA ON ALL ITEMS TO THE ENGINEER OF RECORD.
8. RETURN ALL DISTURBED AREAS TO PRE-CONSTRUCTION CONDITIONS WITHIN 72 HOURS OF THE CONSTRUCTION ACTIVITY, INCLUDING BUT NOT LIMITED TO: RESTORATION OF GRADE, REMOVAL OF CONSTRUCTION TRASH, RESTORATION OF IRRIGATION, ETC. THE CONTRACTOR SHALL VERIFY THE LOCATION AND FUNCTION OF EXISTING IRRIGATION LINES PRIOR TO INITIALIZING CONSTRUCTION.
9. ALL HDPE CONDUIT CONNECTION SHALL BE JOINED WITH A FUSION COUPLER.
10. ADJUST THE CONDUIT RUNS, PULL BOXES AND BORES TO AVOID ANY UTILITY CONFLICT IDENTIFIED BY THE LOCATES. ANY SIGNIFICANT CHANGE SHALL BE APPROVED BY THE ENGINEER.
11. THE CONDUIT ARE TO BE PLACED SO AS TO TOTALLY AVOID ANY CONFLICTS WITH EXISTING UTILITIES ALONG THE ROUTE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN THE NECESSARY INFORMATION REQUIRED TO PLAN THE WORK AHEAD FOR THE INSTALLATION OF THE REQUIRED CONDUITS WITHIN DESIGN OR SPECIFIED PARAMETERS, AND HIS TIME FRAME. ADJUST CONDUIT VERTICALLY OR HORIZONTALLY TO AVOID CONFLICT WITH UNDERGROUND UTILITIES.

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No.	Date	Issue / Revision

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SUITE 200
TALLAHASSEE, FLORIDA 32309
TEL. (850) 224-4400

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SUITE 200
TALLAHASSEE, FL 32309

FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

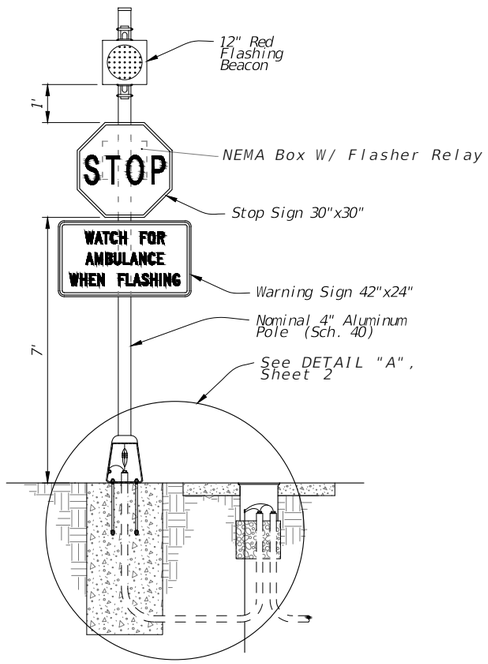
WARNING SIGN PLAN

DWG NO. ITS106

SHEET NO.

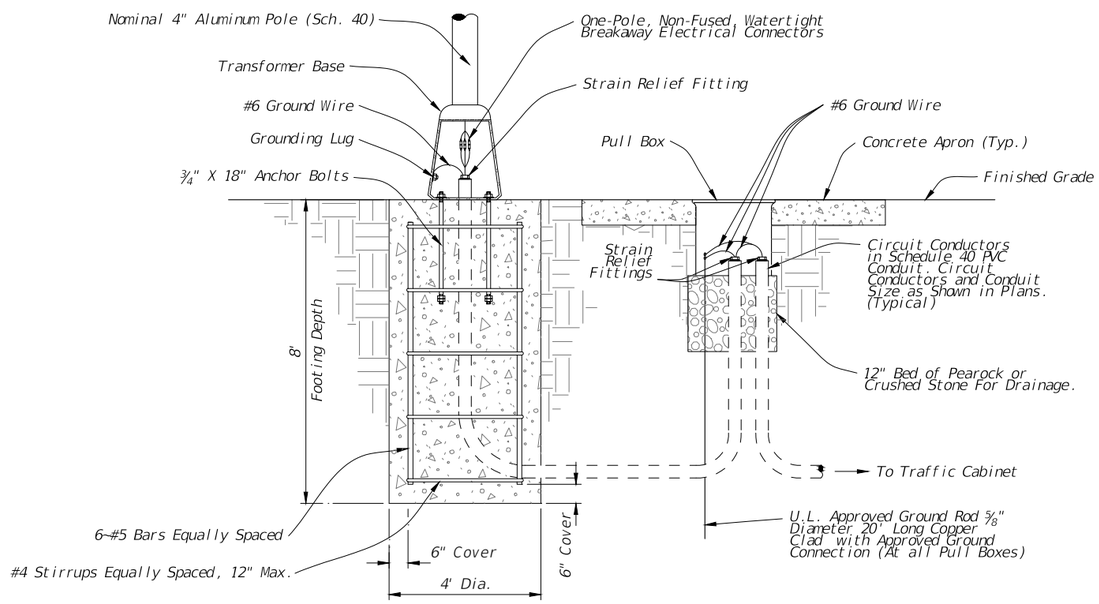
NOTES:

1. Meet the reqirements of Specifications 646 and 700.
2. Engage all threads on the transformer base and post unless the aluminum post is fully seated into base.
3. When wire entry holes are drilled in the sign column, use a bushing or rubber grommet to protect conductors.
4. Red flashing beacon controller will be capable of activation by loop detector. Once activated, red beacon will flash for one minute.



FRONT ELEVATION

SIGN ASSEMBLY DETAIL



DETAIL "A"

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TALLAHASSEE, FL 32309

FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

WARNING SIGN DETAILS

DWG NO. ITS107

SHEET NO.

TELECOMMUNICATIONS SYMBOLS LEGEND

ALL SYMBOLS SHOWN MAY NOT APPEAR IN ALL DRAWINGS. SYMBOLS ARE SHOWN SCHEMATIC AND MAY NOT BE TO SCALE.

SYMBOL	DESCRIPTION
▶	DATA/TELEPHONE OUTLET. WALL MOUNTED – STUB 1" CONDUIT ABOVE ACCESSIBLE CEILING. MOUNT 15" AFF. PROVIDE WITH (1) BLUE CAT6A DATA DROP.
▷	DATA OUTLET. WALL MOUNTED – STUB 1" CONDUIT ABOVE ACCESSIBLE CEILING. MOUNT 15" AFF. PROVIDE WITH (1) BLUE CAT6A DATA DROP.
⌬	FLOOR MOUNTED DATA OUTLET – FLUSH MOUNTED UNO. PROVIDE WITH (1) BLUE CAT6A DATA DROP.
(AP)	WIRELESS ACCESS POINT – PROVIDE WITH (2) BLUE CAT-6A DATA DROP. PROVIDE WITH 10' SLACK FOR ACCESS POINT PLACEMENT. TO BE TERMINATED IN CAT-6A DUAL JACK SURFACE MOUNT BOX (BISCUIT).
▩	WIREMESH CABLE TRAY

NOTES:
1. MOUNT ALL DEVICES AS INDICATED ABOVE, UNO ON PLAN
2. 48" AFF INDICATES TO TOP OF DEVICE
   15" AFF INDICATES TO BOTTOM OF DEVICE
   ALL OTHER MOUNTING HEIGHTS INDICATE TO CENTERLINE OF DEVICE

TELECOMMUNICATIONS GENERAL ABBREVIATIONS

ABS	ABOVE BACK SPLASH
AFF	ABOVE FINISHED FLOOR
ARS	AREA OF RESCUE SYSTEM
BFC	BELOW FINISHED CEILING
BOCT	BOTTOM OF CABLE TRAY
C	CONDUIT
CB	CIRCUIT BREAKER
CLG	CEILING
EC	EMPTY CONDUIT
EP	ELECTRICAL PRIMARY
EX/(E)	EXISTING
F	FUSE
G	GROUND (EQUIPMENT)
GAP	GENERATOR ANNUNCIATOR PANEL
GFI	GROUND FAULT INTERRUPTER
IC	INTERRUPTING CAPACITY
IG	ISOLATED GROUND
MTD	MOUNT OR MOUNTED
MTG	MOUNTING
(N)	NEW
NL	NIGHT LIGHT
NC	NORMALLY CLOSED
N.O.	NORMALLY OPEN
NF	NONFUSED
NIC	NOT IN CONTRACT
RCPT(S)	RECEPTACLE(S)
PNL	PANEL
SD	SMOKE DAMPER
S.O.	SPACE ONLY
SP	SPARE
S.T.	SHUNT TRIP
SW	SWITCH
TYP	TYPICAL
UF	UNDERFLOOR
UG	UNDERGROUND
UNO	UNLESS NOTED OTHERWISE
WG	WIRE GUARD
WP	WEATHER PROOF
WP/WIU	WEATHERPROOF w/ WHILE-IN-USE COVER
XFMR	TRANSFORMER

TELECOMMUNICATIONS PLAN NOTES

A. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF ALL POWER SOURCE WIRING IN ACCORDANCE WITH ARCHITECTURAL MILLWORK. ALL INSTALLATIONS SHALL COMPLY WITH ADA REQUIREMENTS.

B. CONTRACTOR SHALL VERIFY ALL REQUIREMENTS BEFORE ANY ROUGH-IN IN ORDER TO COORDINATE MANUFACTURER'S DRAWINGS FOR EQUIPMENT LOCATION AND INSTALLATION ACCESSORIES.

C. COORDINATE ROUTING FOR CONDUIT UP IN JOIST AND FOR SUSPENDING REQUIREMENTS IN ACCORDANCE WITH STRUCTURAL PLANS.

D. ALL INTERCOM, DATA, CAMERA, AND TV DEVICES SHALL BE STUBBED UP TO ABOVE ACCESSIBLE CEILING AND TO CABLE TRAY IF PRESENT. THE CONTRACTOR SHALL PROVIDE J-HOOKS AND CONDUITS TO EXTEND CABLING TO WALLS.

E. ALL PENETRATIONS THROUGH FIRE RATED WALLS SHALL USE THE EZ PATH SERIES FIRE-RATED ZERO MAINTENANCE PATHWAY UNO. FOLLOW MANUFACTURER USAGE AND INSTALLATION INSTRUCTIONS. REFER TO DETAIL 9 ON SHEET T501.

F. CONDUITS SHALL BE REAMED AND COMPLETED WITH CONNECTORS AND INSULATED BUSHINGS AT BOTH ENDS.

G. BETWEEN ANY TWO PULL POINTS THERE SHALL BE NO CONDUIT WITH GREATER THAN 180 DEGREES OF BENDS OR EQUIVALENT.

H. WHERE CONDUIT LENGTH EXCEEDS 100FT AND/OR TWO 90 DEGREE BENDS OR EQUIVALENT PROVIDE PULL BOXES AS REQUIRED.

I. ALL ZONE CONDUITS (HOME RUN) FOR LOW VOLTAGE COMMUNICATIONS CABLING SHALL BE MARKED AT THEIR TERMINUS WITH A TAG THAT IDENTIFIES "DATA, INTERCOM, ETC" (ROOM NAME AND NUMBER) WHERE THE OTHER END OF THE CONDUIT TERMINATES.

J. ALL CABLES ABOVE CEILING SHALL BE PLENUM RATED. ALL CABLES BELOW SLAB SHALL BE INDOOR/OUTDOOR RATED.

K. FURNISH AND INSTALL 8'H X 4'W X 3/4"T VERTICALLY HUNG, GRADE AC, PLYWOOD IN COMMUNICATION ROOMS AS INDICATED ON PLANS. PAINT PLYWOOD WITH TWO COATS OF FIRE RETARDANT TO MATCH EXISTING WALL FINISH. COORDINATE WITH ARCHITECT, PRIME CONTRACTOR, AND OWNER FOR INSTALLATION OF BACKBOARD. REFER TO DRAWINGS FOR PROPOSED LOCATION AND DETAILS.

L. MINIMUM CONDUIT SIZE FOR TWISTED PAIR CABLING (LOW VOLTAGE) SHALL BE NOT SMALLER THAN 1" TRADE SIZE.

M. THE CONTRACTOR SHALL FULLY REVIEW ALL ELECTRICAL POWER PLANS TO IDENTIFY ALL RESPONSIBILITIES AND SCOPE OF WORK.

N. DO NOT ROUTE FIRE ALARM RELATED CABLING IN SAME CABLE TRAY, AS OTHER LOW VOLTAGE SYSTEMS. UTILIZE DEDICATED J-HOOKS OR CONDUITS FOR ALL FIRE ALARM RELATED CABLING.

O. ABOVE CEILING CABLE SUPPORTING HARDWARE. IN CONJUNCTION WITH THE SPECIFIED CABLE TRAY, ACCEPTABLE METHOD INCLUDES BUT IS NOT LIMITED TO J-HOOKS. CABLE SHOULD BE PROPERLY SUPPORTED WITH J-HOOK PATHWAY INSTALLED EVERY 3-5 FT. CABLE CROSS SECTION AREA SHOULD BE CALCULATED TO A 40% RATIO.

P. FURNISH AND INSTALL A COMPLETE HORIZONTAL AND VERTICAL 1-IN BEND RADIUS CONTROL TO HELP PREVENT DEGRADATION OF CABLE PERFORMANCE.

Q. THE CONTRACTOR DOCUMENTS DEPICT LOW VOLTAGE SYSTEMS WHICH ARE INTENDED TO BE COMPLETE AND FUNCTIONING SYSTEMS.

R. STRICTLY ADHERE TO ALL BICSI, EIA AND TIA RECOMMENDED INSTALLATION PRACTICES.

S. CATALOG NUMBERS REFERENCED THROUGHOUT THE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO CONVEY A GENERAL UNDERSTANDING OF THE TYPE OF QUALITY OF THE PRODUCT REQUIRED. WHERE WRITTEN DESCRIPTIONS DIFFER FROM INFORMATION CONVEYED BY A CATALOG NUMBER, THE WRITTEN DESCRIPTION SHALL GOVERN. NO EXTRA CHARGE SHALL BE ALLOWED BECAUSE A CATALOG NUMBER IS FOUND TO BE INCOMPLETE OR OBSOLETE.

T. FURNISH AND INSTALL APPROPRIATE BACKING IN WALLS AS REQUIRED FOR MOUNTING BRACKETS AND OTHER WALL MOUNTED EQUIPMENT PER MANUFACTURER REQUIREMENTS.

U. TELECOMMUNICATIONS BONDING CONDUCTOR SHALL BE MINIMUM SIZE #6 AWG STRANDED ANNEALED COPPER CONDUCTOR WITH GREEN INSULATED PVC JACKET. ENSURE GROUND CONTINUITY BY PROPERLY BONDING ALL APPROPRIATE CABLING, CLOSURES, CABINETS, SERVICE BOXES, AND FRAMEWORK TO TELECOMMUNICATIONS GROUNDING BUSBAR.

V. FURNISH AND INSTALL WIRE MESH CABLE TRAY AS SHOWN ON THE DRAWING SET.

W. ALL CONDUITS, CABLE TRAY, CABLE HOOKS AND OTHER RACEWAYS SHALL BE COORDINATED WITH OTHER TRADES PRIOR AND DURING BUILDING CONSTRUCTION TO AVOID DELAYS AND CONFLICTS.

X. RACEWAYS SHALL BE PROPERLY GROUNDED PER NEC.

Y. CABLES SHALL BE LABELED ON A VISIBLE PART OF THE CABLE WITHIN THREE TO SIX (3-6) INCHES OF TERMINATION POINT WITH SELF-LAMINATING LABELS VIA PANDUIT LABELER AND SOFTWARE.

Z. LABELS SHALL BE VISIBLE IF FACEPLATE IS REMOVED AND NUMBERED SEQUENTIALLY BEGINNING CLOCKWISE FROM THE FIRST OUTLET TO THE LEFT OF THE MAIN ENTRANCE TO THE ROOM.

AA. ALL TRENCHING, EXCAVATION, AND BACKFILL IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.

BB. FURNISH AND INSTALL THROUGH-WALL FIRE RATED PATHWAY DEVICES PROVIDING AN F-RATING RATING EQUAL TO THE RATING OF THE BARRIER IN WHICH THE DEVICE IS INSTALLED AS REQUIRED.

CC. COORDINATE EXACT LOCATION AND HEIGHTS FOR DATA AND VOICE OUTLETS WITH ELECTRICAL OUTLETS.

DD. THE PLACEMENT OF WIRELESS ACCESS POINTS SHOWN IN THE DIAGRAMS IS FOR ILLUSTRATIVE PURPOSES ONLY. THE CONTRACTOR IS REQUIRED TO CONDUCT A WIRELESS SITE SURVEY, INCLUDING A HEAT MAP AND WIRELESS PROPAGATION ANALYSIS, TO DETERMINE THE OPTIMAL PLACEMENT OF DEVICES.

TELECOMMUNICATIONS SHEET INDEX

SHEET #	SHEET TITLE
TN001	TELECOMMUNICATIONS GENERAL NOTES AND LEGENDS
TN100	TELECOMMUNICATIONS SITE PLAN
TN101	TELECOMMUNICATIONS OVERALL FLOOR PLAN
TN102	TELECOMMUNICATIONS FLOOR PLAN NORTH
TN103	TELECOMMUNICATIONS FLOOR PLAN SOUTH
TN201	TELECOMMUNICATIONS ENLARGED PLANS
TN401	TELECOMMUNICATIONS SCHEDULES
TN501	TELECOMMUNICATIONS DETAILS I
TN502	TELECOMMUNICATIONS DETAILS II

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

No.	Date	Issue / Revision

halff
2255 KILLEARN CENTER BLVD.
SUITE 200
TALLAHASSEE, FLORIDA 32309
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TALLAHASSEE, FL 32309

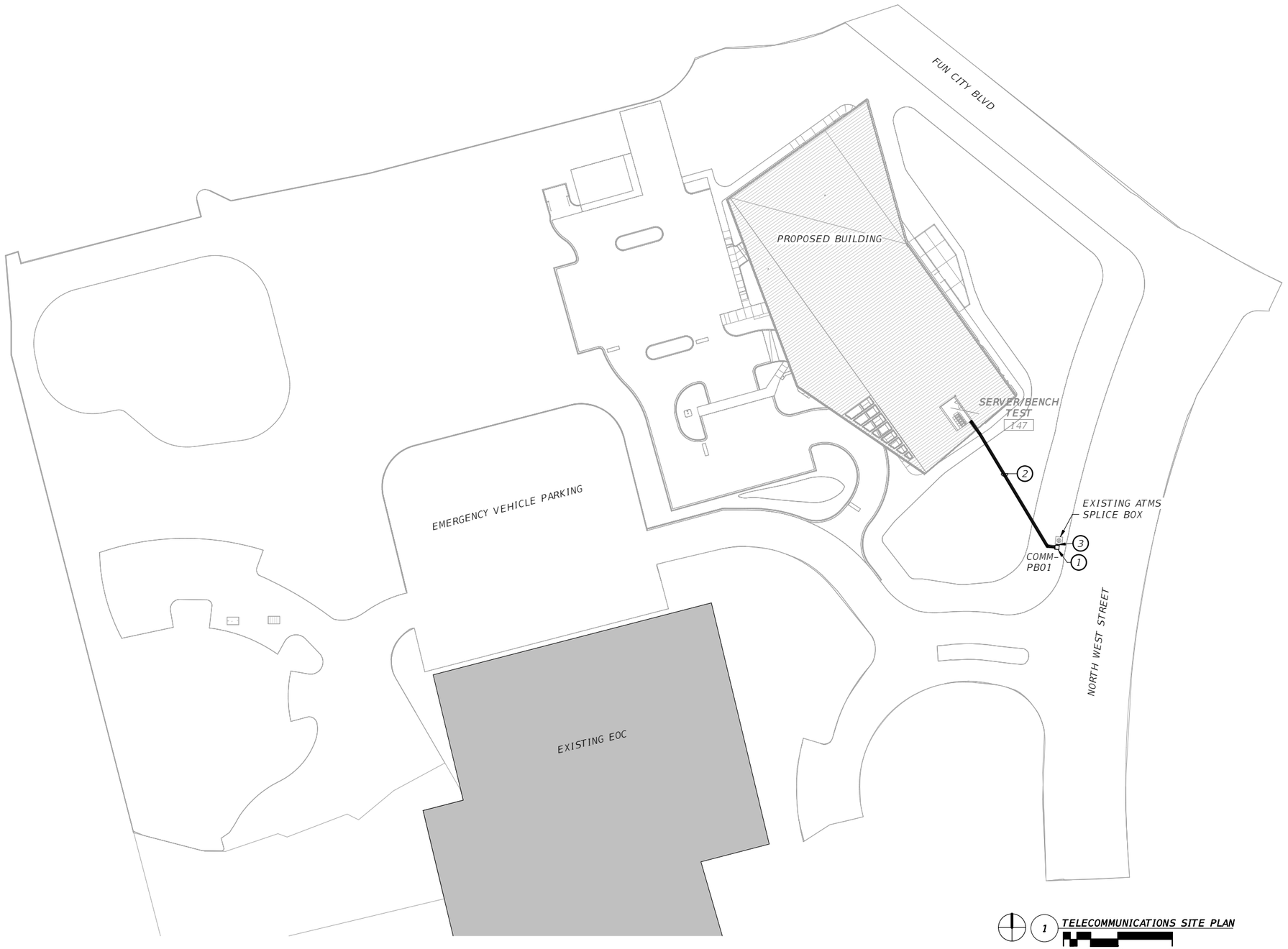
FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

TELECOMMUNICATIONS GENERAL NOTES AND LEGENDS

DWG NO. TN001

SHEET NO.



1 TELECOMMUNICATIONS SITE PLAN

0' 20' 40' 80'

GENERAL NOTES:

A. REFER TO SHEET TN001 FOR TELECOMMUNICATIONS GENERAL LEGEND AND NOTES.

KEY NOTES:

1. PROVIDE WITH 36"X36" IN-GROUND ENCLOSURE EQUAL TO OLDCASTLE H-SERIES: 3636 WITH TIER 15 COVER FOR INTERNET SERVICE PROVIDER (ISP). CONTRACTOR TO ROUTE FLEXIBLE CONDUIT THROUGH BASE OF PULLBOX.
2. EXTEND (2) 4" CONDUITS FOR ISP AND (2) 2" SPARE CONDUITS FROM COMM-PB01 TO SERVER/BENCH TEST ROOM 146. TO BE BURIED AT DEPTH OF 36' BELOW GRADE. PROVIDE WITH TRACEABLE WIRE AND DETECTABLE WARNING TAPE TO BE BURIED AT A DEPTH OF 12" BELOW GRADE.
3. EXTEND (2) 2" CONDUITS FROM COMM-PB01 TO EXISTING ATMS SPLICE BOX. FIELD VERIFY DEPTH PRIOR TO ROUGH-IN. REFER TO SHEET ITS105.

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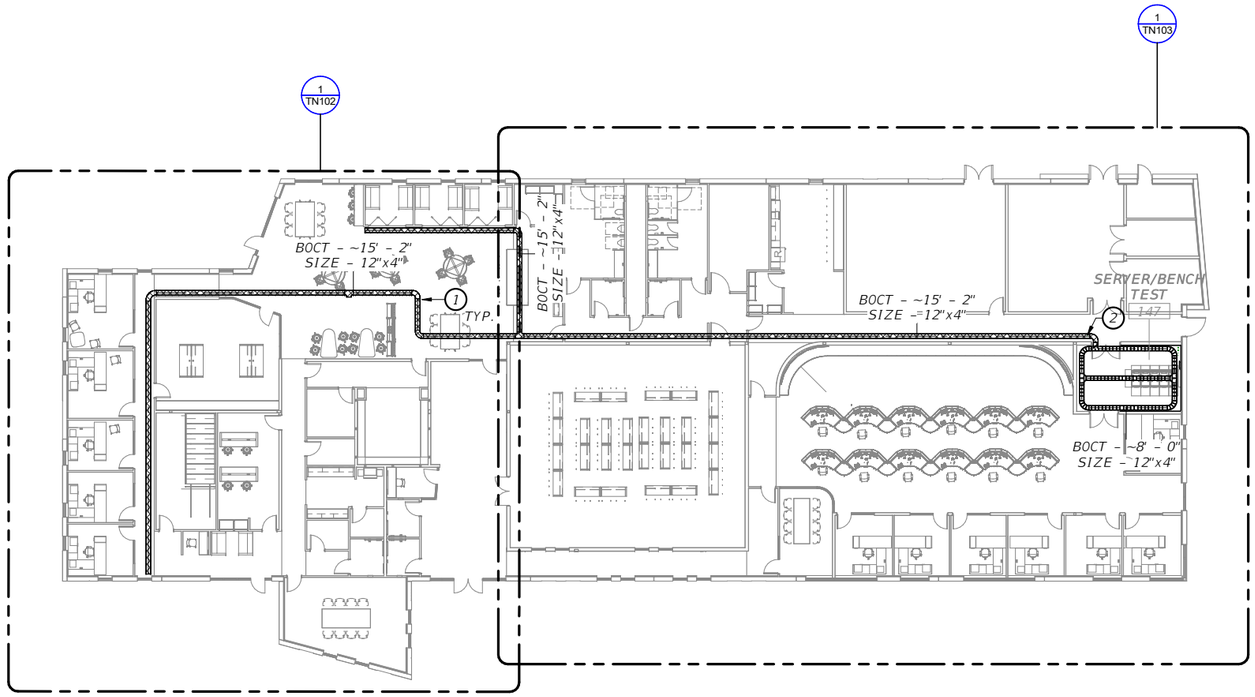
TELECOMMUNICATIONS SITE PLAN

DWG NO. TN100

SHEET NO.



1 TELECOMMUNICATIONS OVERALL FLOOR PLAN

0' 8' 16' 32'

GENERAL NOTES:

A. REFER TO SHEET TN001 FOR TELECOMMUNICATIONS GENERAL LEGEND AND NOTES.

KEY NOTES:

1. CONTRACTOR SHALL COORDINATE FINAL ROUTE OF CABLE TRAY WITH OTHER BUILDING SYSTEMS SUCH AS HVAC DUCT, CONDUIT, AND WATER LINES. PROVIDE BEST ROUTE IN A MULTI-DISCIPLINE SHOP DRAWINGS FOR REVIEW. MAKE FIELD ADJUSTMENTS AS NECESSARY FOR A FULL AND FUNCTIONAL SYSTEMS THATS INSTALLED IN ACCORDANCE WITH BICSI AND INDUSTRY STANDARDS.

2. (1) 2" CONDUIT FOR FUTURE SATELLITE CABLE. REFER TO DETAIL 10 ON SHEET TN501 FOR INSTALLATION REQUIREMENTS.

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TELECOMMUNICATIONS OVERALL FLOOR PLAN

DWG NO. TN101

SHEET NO.

1 TELECOMMUNICATIONS FLOOR PLAN NORTH

0' 4' 8' 16'

GENERAL NOTES:

A. REFER TO SHEET TN001 FOR TELECOMMUNICATIONS GENERAL LEGEND AND NOTES.

KEY NOTES:

1. EXTEND A 1" CONDUIT TO NEAREST WALL CAVITY CLOSEST TO CABLE TRAY. REFER TO DRAWING TN101 FOR SUGGESTED CABLE TRAY ROUTING. TYPICAL OF ALL FLOOR BOX DATA DROPS.

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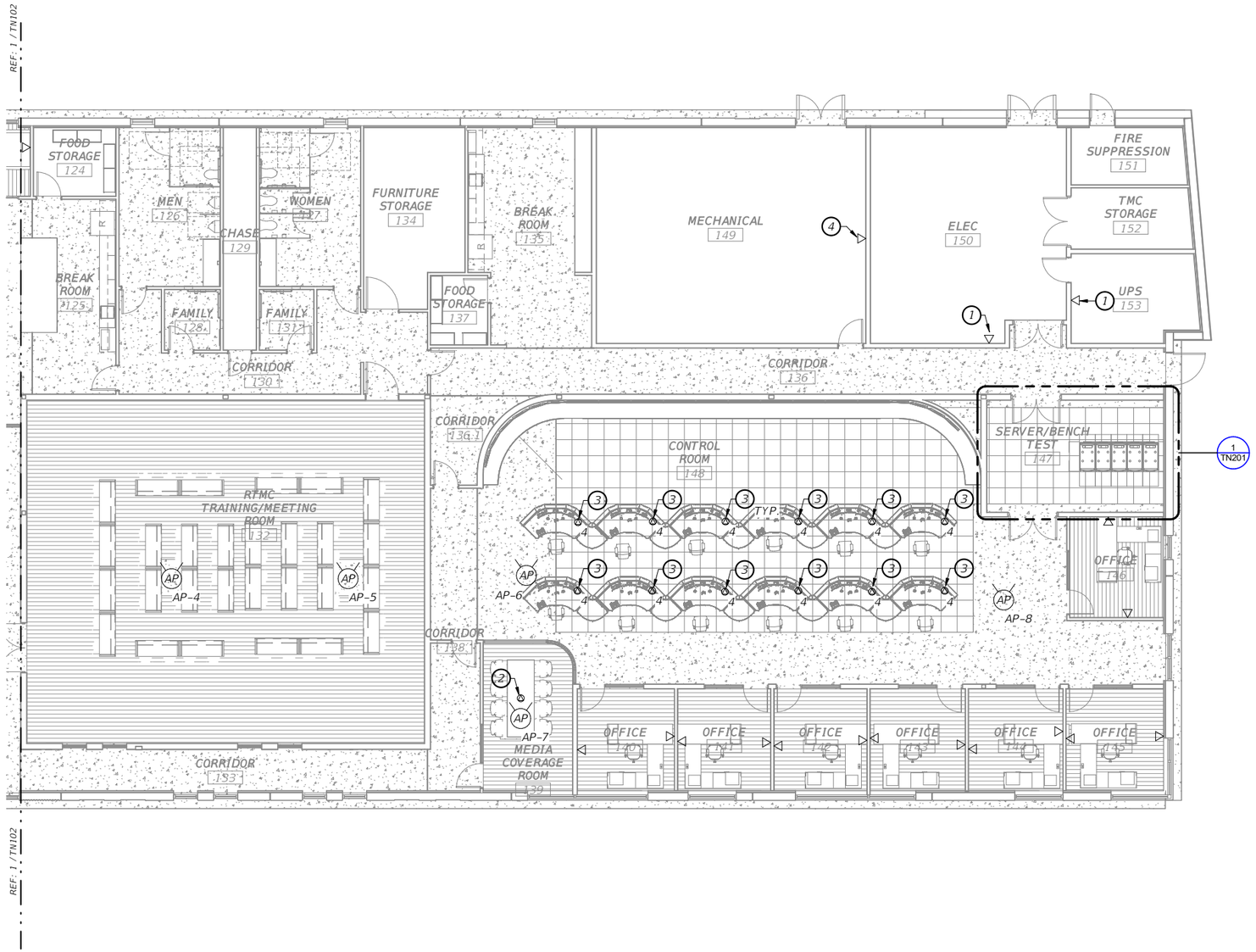
NORTH W STREET	ESCAMBIA	451524-1-38-01

TELECOMMUNICATIONS FLOOR PLAN NORTH

DWG NO. TN102

SHEET NO.



1 TELECOMMUNICATIONS FLOOR PLAN SOUTH

0' 4' 8' 16'

GENERAL NOTES:

A. REFER TO SHEET TN001 FOR TELECOMMUNICATIONS GENERAL LEGEND AND NOTES.

KEY NOTES:

1. CONTRACTOR SHALL COORDINATE FINAL DATA DROP LOCATION WITH ELECTRICAL SHOP DRAWINGS AND FINAL ELECTRICAL/MECHANICAL EQUIPMENT PLACEMENT.
2. EXTEND A 1" CONDUIT TO NEAREST WALL CAVITY CLOSEST TO CABLE TRAY. REFER TO DRAWING TN101 FOR SUGGESTED CABLE TRAY ROUTING. TYPICAL OF ALL FLOOR BOX DATA DROPS.
3. J-HOOKS FASTENED TO THE ACCESS FLOOR PEDESTALS TO ROUTE CABLE UNDER RAISED FLOOR TO SERVER/BENCH TEST 147. REFER TO SHEET TN201 FOR PATHWAY PENETRATION THROUGH FIRE RATED WALL.
4. COORDINATE WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.

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TELECOMMUNICATIONS FLOOR PLAN SOUTH

DWG NO. TN103

SHEET NO.

GENERAL NOTES:

A. REFER TO SHEET TN001 FOR TELECOMMUNICATIONS GENERAL LEGEND AND NOTES.

KEY NOTES:

1. TELEPHONE BOARD – COVER ENTIRE SURFACE OF WALL WITH 3/4" PLYWOOD AND PAINT PLYWOOD WITH TWO COATS OF FIRE RETARDANT PAINT. PAINT COLOR SHALL BE WHITE. MOUNT PLYWOOD 8" AFF TO AVOID DAMAGING THE PLYWOOD WITH THE GRADE 'A' SURFACE EXPOSED.

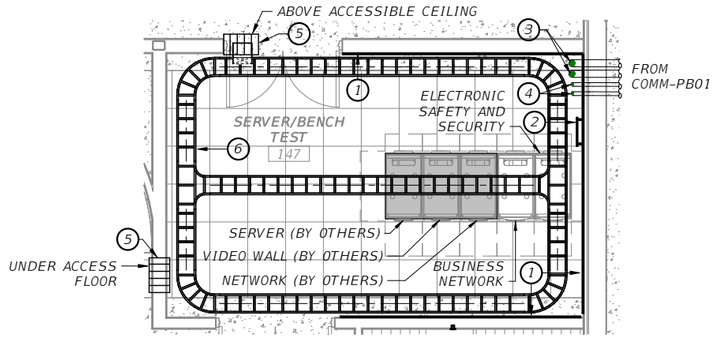
2. TELECOMMUNICATIONS GROUNDING BAR.

3. (2) 4" CONDUIT STUB-UPS FOR ISP SERVICES. CONTRACTOR SHALL EXTEND CONDUIT 6-INCHES ABOVE FLOOR AND PROVIDE END CAP. EACH RACEWAY SHALL BE PROVIDED WITH TWO NYLON PULL STRINGS.

4. (2) 2" CONDUIT STUB-UPS SPARES. CONTRACTOR SHALL EXTEND CONDUIT 6-INCHES ABOVE FLOOR AND PROVIDE END CAP. EACH RACEWAY SHALL BE PROVIDED WITH TWO NYLON PULL STRINGS.

5. FOR EVERY FIRE RATED PENETRATED WALL, PROVIDE ZERO MAINTENANCE EZ-PATH SLEEVES TO RETAIN FIRE RATING ON WALL.

6. PROVIDE WITH 12"X4" LADDER CABLE TRAY SYSTEM.



1 TELECOMMUNICATIONS FLOOR PLAN ENLARGED SERVER/CHASE/BENCH TEST

0' 2' 4' 8'

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TELECOMMUNICATIONS ENLARGED PLANS

DWG NO. TN201

SHEET NO.

TELECOMMUNICATIONS PATCH PANEL 1

Location: SERVER/BENCH TEST 147

CKT	Circuit Description
1	ACCESS POINT -1 - CORRIDOR 120.4
2	ACCESS POINT -2 - CORRIDOR 120.2
3	ACCESS POINT -3 - OPEN OFFICE 120
4	ACCESS POINT -4 - RTMC TRAINING/MEETING ROOM 132
5	ACCESS POINT -5 - RTMC TRAINING/MEETING ROOM 132
6	ACCESS POINT -6 - CONTROL ROOM 148
7	ACCESS POINT -7 - MEDIA COVERAGE ROOM 139
8	ACCESS POINT -8 - CONTROL ROOM 148
9	DATA - MEDIA ROOM 107
10	DATA - MEDIA ROOM 107
11	DATA - OFFICE 101
12	DATA - OFFICE 101
13	DATA - OFFICE 102
14	DATA - OFFICE 102
15	DATA - OFFICE 103
16	DATA - OFFICE 103
17	DATA - OFFICE 104
18	DATA - OFFICE 104
19	DATA - OFFICE 105
20	DATA - OFFICE 105
21	DATA - COLLAB OFFICE 121
22	DATA - COLLAB OFFICE 121
23	DATA - COLLAB OFFICE 122
24	DATA - COLLAB OFFICE 122
25	DATA - COLLAB OFFICE 123
26	DATA - COLLAB OFFICE 123
27	DATA FLOOR BOX - AUTO COLLABORATION 108
28	DATA FLOOR BOX - AUTO COLLABORATION 108
29	DATA FLOOR BOX - NEXUS CONFERENCE 109
30	DATA - OPEN OFFICE 120
31	DATA - OPEN OFFICE 120
32	DATA - MECH 149
33	DATA - ELEC 150
34	DATA - UPS 153
35	DATA - DIGITAL RECEPTION 118
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TELECOMMUNICATIONS PATCH PANEL 2

Location: SERVER/BENCH TEST 147

CKT	Circuit Description
1	DATA FLOOR BOX - CONTROL ROOM 148
2	DATA FLOOR BOX - CONTROL ROOM 148
3	DATA FLOOR BOX - CONTROL ROOM 148
4	DATA FLOOR BOX - CONTROL ROOM 148
5	DATA FLOOR BOX - CONTROL ROOM 148
6	DATA FLOOR BOX - CONTROL ROOM 148
7	DATA FLOOR BOX - CONTROL ROOM 148
8	DATA FLOOR BOX - CONTROL ROOM 148
9	DATA FLOOR BOX - CONTROL ROOM 148
10	DATA FLOOR BOX - CONTROL ROOM 148
11	DATA FLOOR BOX - CONTROL ROOM 148
12	DATA FLOOR BOX - CONTROL ROOM 148
13	DATA FLOOR BOX - CONTROL ROOM 148
14	DATA FLOOR BOX - CONTROL ROOM 148
15	DATA FLOOR BOX - CONTROL ROOM 148
16	DATA FLOOR BOX - CONTROL ROOM 148
17	DATA FLOOR BOX - CONTROL ROOM 148
18	DATA FLOOR BOX - CONTROL ROOM 148
19	DATA FLOOR BOX - CONTROL ROOM 148
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31	DATA FLOOR BOX - CONTROL ROOM 148
32	DATA FLOOR BOX - CONTROL ROOM 148
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34	DATA FLOOR BOX - CONTROL ROOM 148
35	DATA FLOOR BOX - CONTROL ROOM 148
36	DATA FLOOR BOX - CONTROL ROOM 148
37	DATA FLOOR BOX - CONTROL ROOM 148
38	DATA FLOOR BOX - CONTROL ROOM 148
39	DATA FLOOR BOX - CONTROL ROOM 148
40	DATA FLOOR BOX - CONTROL ROOM 148
41	DATA FLOOR BOX - CONTROL ROOM 148
42	DATA FLOOR BOX - CONTROL ROOM 148
43	DATA FLOOR BOX - CONTROL ROOM 148
44	DATA FLOOR BOX - CONTROL ROOM 148
45	DATA FLOOR BOX - CONTROL ROOM 148
46	DATA FLOOR BOX - CONTROL ROOM 148
47	DATA FLOOR BOX - CONTROL ROOM 148
48	DATA FLOOR BOX - CONTROL ROOM 148

TELECOMMUNICATIONS PATCH PANEL 3

Location: SERVER/BENCH TEST 147

CKT	Circuit Description
1	DATA FLOOR BOX - MEDIA COVERAGE ROOM 139
2	DATA - OFFICE 140
3	DATA - OFFICE 140
4	DATA - OFFICE 141
5	DATA - OFFICE 141
6	DATA - OFFICE 142
7	DATA - OFFICE 142
8	DATA - OFFICE 143
9	DATA - OFFICE 143
10	DATA - OFFICE 144
11	DATA - OFFICE 144
12	DATA - OFFICE 145
13	DATA - OFFICE 145
14	DATA - OFFICE 146
15	DATA - OFFICE 146
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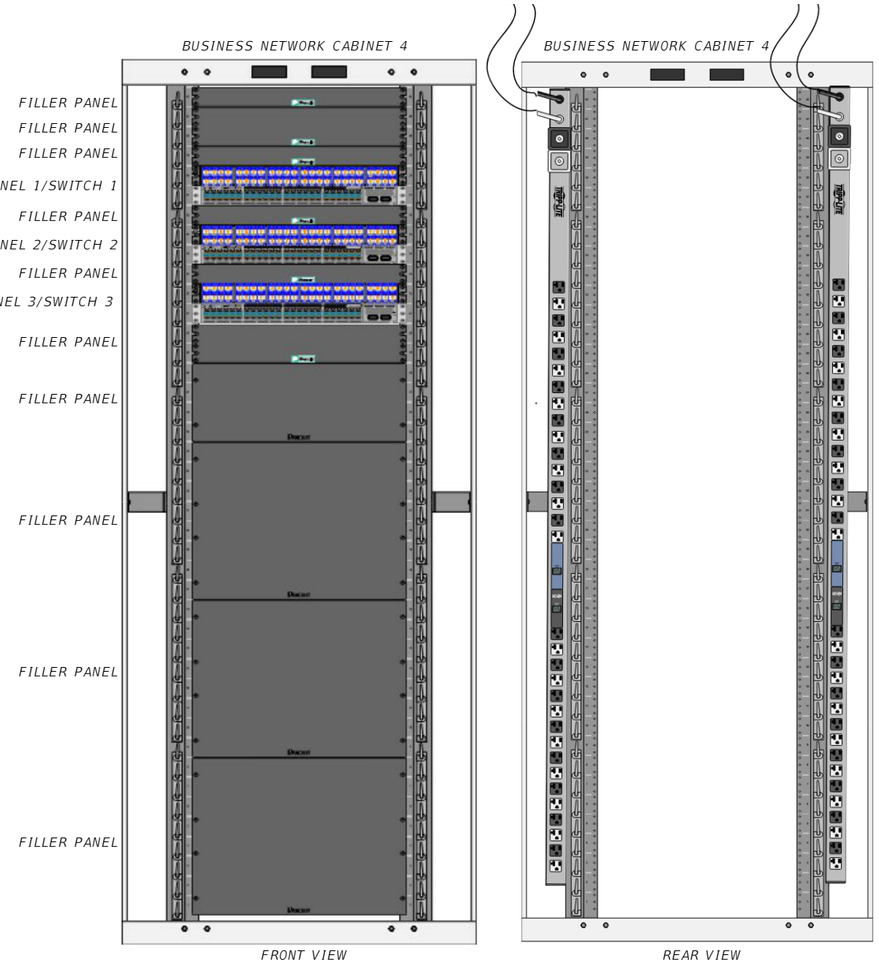

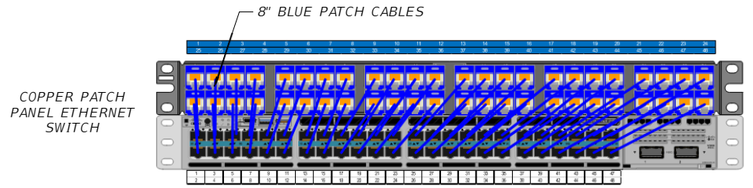

1 TYPICAL COPPER PATCH PANEL JACK TO ETHERNET SWITCH PORT DETAIL

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FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

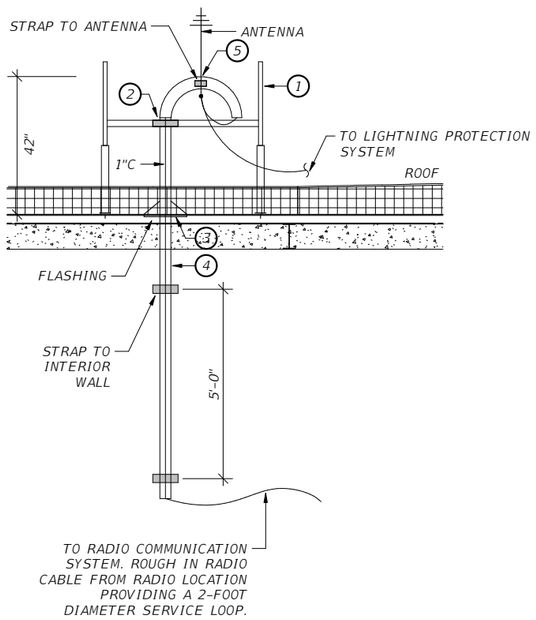
TELECOMMUNICATIONS SCHEDULES

DWG NO. TN401

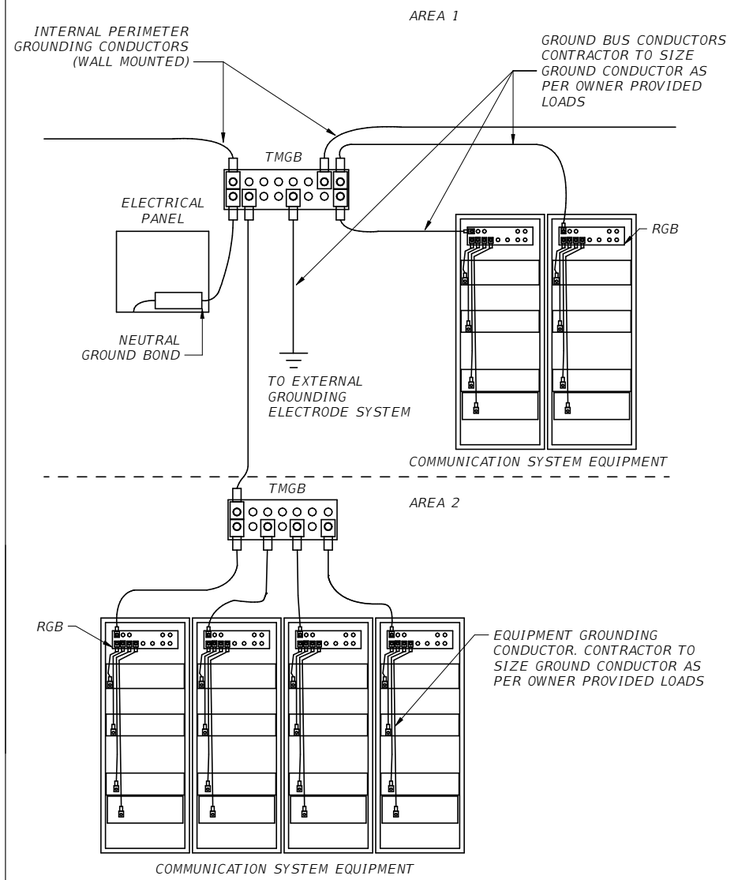
SHEET NO.

KEY NOTES:

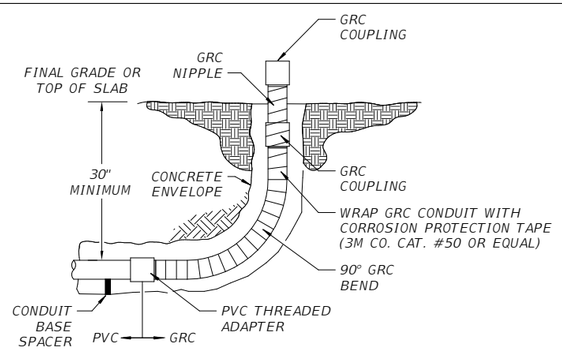
1. FURNISH AND INSTALL AN H-FRAME UNISTRUT RACK ANCHORED TO ROOF FRAME. CONTRACTOR SHALL FLASH OVER UNISTRUT SUPPORT.
2. PROPERLY SECURE ANTENNA CONDUIT TO H-FRAME RACK. PROVIDE WITH GALVANIZED RIGID HARDWARE.
3. CONDUIT PENETRATION SHALL BE WET PROOF/ SEALED. REFER TO ARCHITECTURAL DRAWINGS FOR REQUIREMENTS.
4. PROPERLY SUPPORT WITH UNISTRUT ADHERED TO BUILDING STRUCTURE. INSTALL CONDUIT STRAPS AT 5-FOOT INTERVALS MINIMUM.
5. FUTURE OWNER-PROVIDED SATELLITE ISP EQUIPMENT.



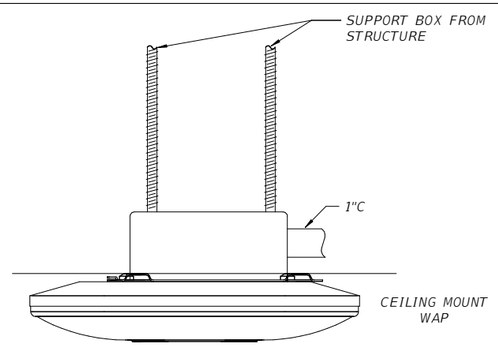
10 **TYPICAL ANTENNA DETAIL**



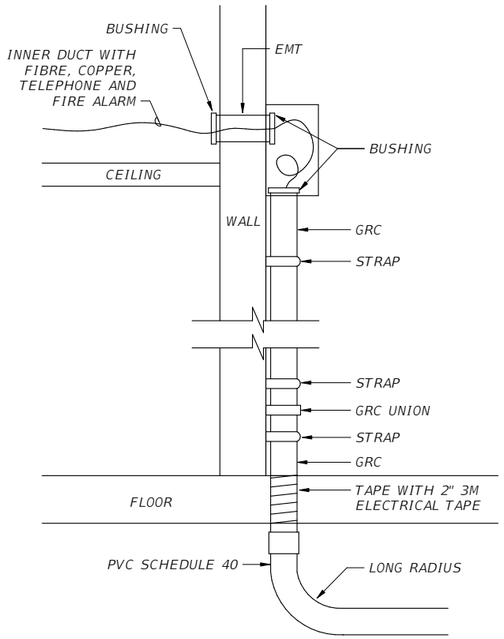
9 **TYPICAL SINGLE-POINT INTERNAL GROUNDING SYSTEM**



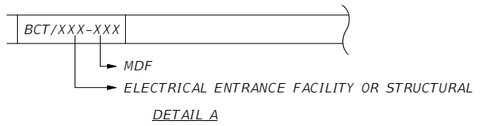
8 **TYPICAL CONDUIT STUB-UP DETAIL**



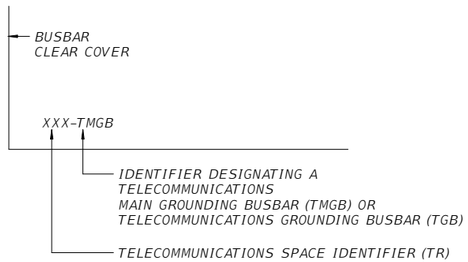
7 **WIRELESS ACCESS POINT MOUNTING DETAIL**



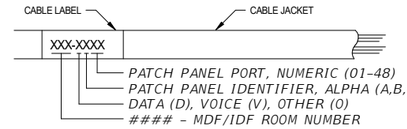
6 **WALL PENETRATION DETAIL**



5 **BONDING CONDUCTOR LABEL DETAIL**



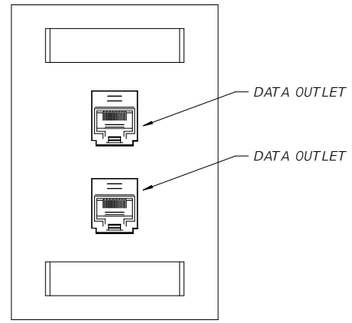
4 **GROUNDING BUSBAR LABEL DETAIL**



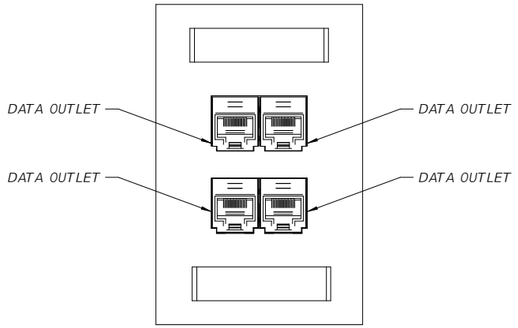
NOTES:

1. DETAIL SHOWN REPRESENTS A 4-PAIR HORIZONTAL LINK TERMINATING IN A TELECOMMUNICATIONS SPACE ON A RACK MOUNT PATCH PANEL.

3 **HORIZONTAL LINK CABLE LABEL DETAIL**



2 **TWO PORT OUTLET**



1 **FOUR PORT OUTLET**

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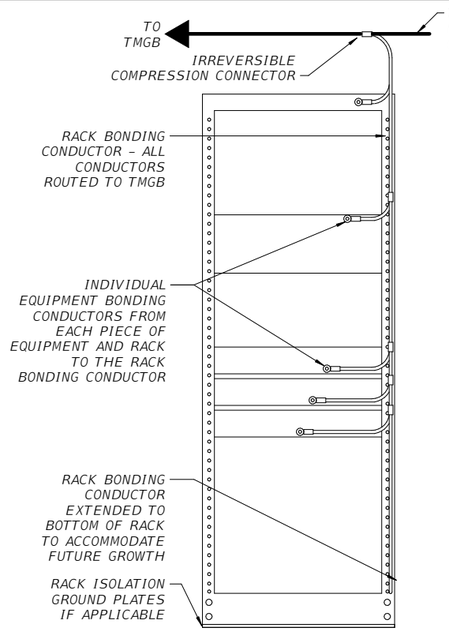
FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

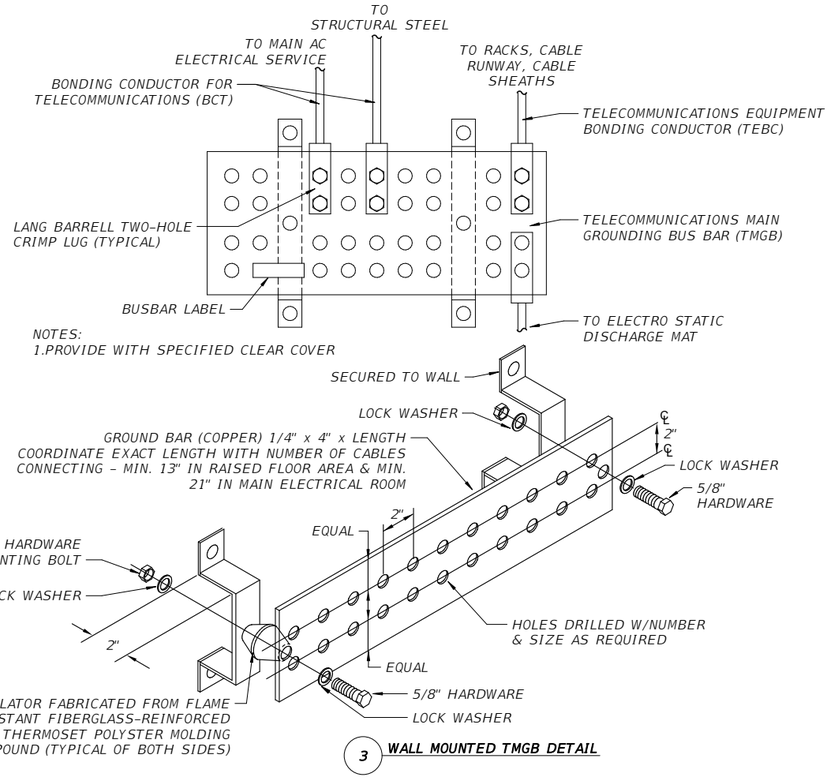
TELECOMMUNICATIONS DETAILS I

DWG NO. TN501

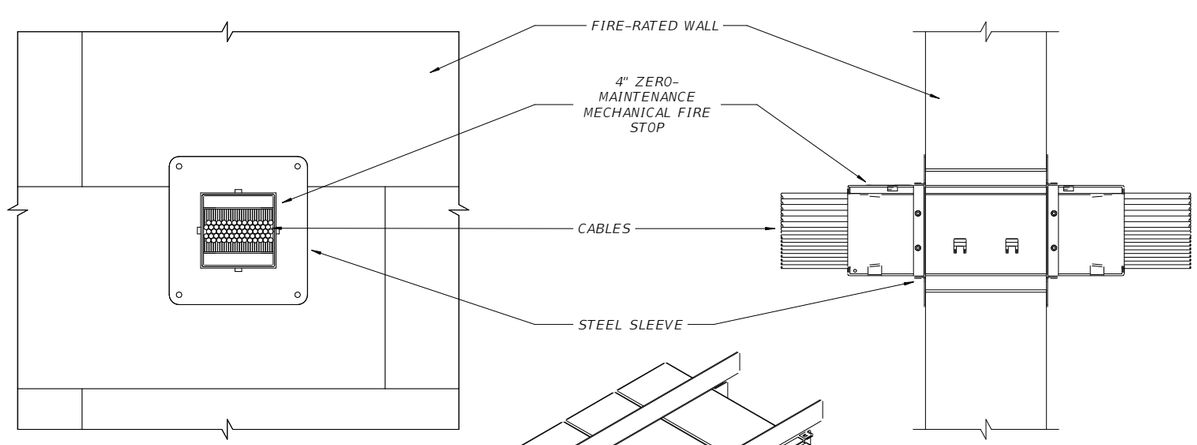
SHEET NO.



2 **RACK/ENCLOSURE BONDING DETAIL**

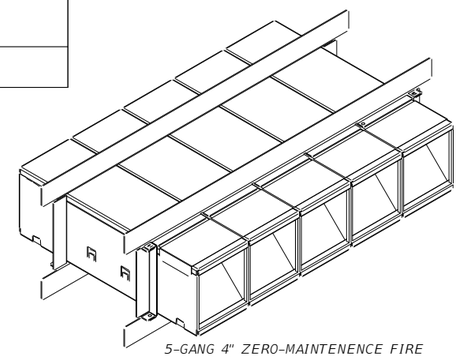


3 **WALL MOUNTED TMGB DETAIL**



SINGLE PATHWAY INSTALLATION:
- THROUGH 6" ROUND OPENING OR 4-1/8" BY 4-5/8" OPENING.
- PROVIDE WITH REQUIRED HARDWARE FOR A COMPLETE INSTALLATION.

MULTIPLE OR GANGED INTALLATION:
- PROVIDE WITH BRACKET AND OTHER REQUIRED HARDWARE FOR A COMPLETE AND SECURE FIT BETWEEN STUDS 24" APART.



5-GANG 4" ZERO-MAINTENENCE FIRE STOP SYSTEM

1 **ZERO-MAINTENANCE MECHANICAL TYPE FIRE STOP SYSTEM**

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FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

TELECOMMUNICATIONS DETAILS II

DWG NO.
TN502
SHEET NO.

SECURITY SYMBOLS LEGEND

ALL SYMBOLS SHOWN MAY NOT APPEAR IN ALL DRAWINGS. SYMBOLS ARE SHOWN SCHEMATIC AND MAY NOT BE TO SCALE.

SYMBOL	DESCRIPTION
	WALL MOUNTED CAMERA – CONTRACTOR SHALL FURNISH AND INSTALL SINGLE GANG BACK BOX WITH CONDUIT TO ACCESSIBLE AREA AT THIS LOCATION. PROVIDE WITH (1) YELLOW CAT-6A CABLE.
	CEILING MOUNTED CAMERA – CONTRACTOR SHALL FURNISH AND INSTALL SINGLE GANG BACK BOX WITH CONDUIT TO ACCESSIBLE AREA AT THIS LOCATION. PROVIDE WITH (1) YELLOW CAT-6A CABLE.
	CORNER MOUNTED CAMERA – CONTRACTOR SHALL FURNISH AND INSTALL SINGLE GANG BACK BOX WITH CONDUIT TO ACCESSIBLE AREA AT THIS LOCATION. PROVIDE WITH (1) YELLOW CAT-6A CABLE.
RK1	INTERIOR ALCATRAZ ROCK BIOMETRIC FACIAL RECOGNITION DEVICE. WALL MOUNTED AT 62" AFF TO CENTER OF DEVICE. CONTRACTOR TO INSTALL 2-GANG SWITCH BOX WITH 1" CONDUIT TO ACCESSIBLE AREA ABOVE CEILING. PROVIDE WITH (1) WHITE CAT-6A CABLE.
RK2	EXTERIOR ALCATRAZ ROCK BIOMETRIC FACIAL RECOGNITION DEVICE. WALL MOUNTED AT 62" AFF TO CENTER OF DEVICE. CONTRACTOR TO INSTALL 2-GANG SWITCH BOX WITH 1" CONDUIT TO ACCESSIBLE AREA ABOVE CEILING. PROVIDE WITH (1) WHITE CAT-6A CABLE TO THE MIDSPAN. PROVIDE WITH (1) OUTSIDE PLANT CAT-6A CABLE FROM MIDSPAN TO ROCK-X DEVICE.
EL	ELECTRIC LOCK WITH BUILT IN CARD READER. REFERENCE DOOR HARDWARE SCHEDULE ON ARCHITECTURAL PLANS. REFERENCE 4/TY503 SINGLE SWINGING DOOR WITH CARD READER FOR MOBILE ACCESS. PROVIDE WITH WHITE CAT-6A CABLE FROM PATCH PANEL TO DOOR CONTROLLER. PROVIDE WITH MANUFACTURER APPROVED SECURITY CABLE FROM DOOR CONTROLLER TO SECURITY DEVICES.
DC	DUAL POLE DOOR CONTACT TO BE MONITORED BY ACCESS CONTROL AND INTRUSION DETECTION SYSTEMS. TO BE FURNISHED AND INSTALLED BY CONTRACTOR.

NOTES:
1. MOUNT ALL DEVICES AS INDICATED ABOVE, UNO ON PLAN

2. 48" AFF INDICATES TO TOP OF DEVICE
   15" AFF INDICATES TO BOTTOM OF DEVICE
   ALL OTHER MOUNTING HEIGHTS INDICATE TO CENTERLINE OF DEVICE

SECURITY GENERAL ABBREVIATIONS

ABS	ABOVE BACK SPLASH
ACT	ABOVE COUNTER TOP
AFF	ABOVE FINISHED FLOOR
BAS	BUILDING AUTOMATION SYSTEM
BFC	BELOW FINISHED CEILING
BOCT	BOTTOM OF CABLE TRAY
C	CONDUIT
CLG	CEILING
CM	SECURITY CAMERA
EC	EMPTY CONDUIT
EF	ENTRANCE FACILITY
ER	EQUIPMENT ROOM
EX	EXISTING
G	GROUND (EQUIPMENT)
GEC	GROUND ELECTRODE CONDUCTOR
MTD	MOUNT OR MOUNTED
NIC	NOT IN CONTRACT
PNL	PANEL
S.O.	SPACE ONLY
SP	SPARE/SPACE
TR	TELECOMMUNICATIONS ROOM
TYP	TYPICAL
UF	UNDERFLOOR
UG	UNDERGROUND
WG	WIRE GUARD
WP	WEATHERPROOF
UNO	UNLESS NOTED OTHERWISE

SECURITY PLAN NOTES

A. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF ALL POWER SOURCE WIRING IN ACCORDANCE WITH ARCHITECTURAL MILLWORK. ALL INSTALLATIONS SHALL COMPLY WITH ADA REQUIREMENTS.

B. CONTRACTOR SHALL VERIFY ALL REQUIREMENTS BEFORE ANY ROUGH-IN IN ORDER TO COORDINATE MANUFACTURER'S DRAWINGS FOR EQUIPMENT LOCATION AND INSTALLATION ACCESSORIES.

C. COORDINATE RUNS FOR CONDUIT UP IN JOIST AND FOR SUSPENDING REQUIREMENTS IN ACCORDANCE WITH STRUCTURAL PLANS.

D. ALL CAMERA DEVICES SHALL BE STUBBED UP TO ABOVE ACCESSIBLE CEILING AND TO CABLE TRAY IF PRESENT. THE CONTRACTOR SHALL PROVIDE J-HOOKS AND CONDUITS TO EXTEND CABLING TO WALLS.

E. ALL PENETRATIONS THROUGH FIRE RATED WALLS SHALL USE THE EZ PATH SERIES FIRE-RATED ZERO MAINTENANCE PATHWAY UNO. FOLLOW MANUFACTURER USAGE AND INSTALLATION INSTRUCTIONS. REFER TO DETAIL 1 ON SHEET TN502.

F. CONDUITS SHALL BE REAMED AND COMPLETED WITH CONNECTORS AND INSULATED BUSHINGS AT BOTH ENDS.

G. BETWEEN ANY TWO PULL POINTS THERE SHALL BE NO CONDUIT WITH GREATER THAN 180 DEGREES OF BENDS OR EQUIVALENT.

H. WHERE CONDUIT LENGTH EXCEEDS 100FT AND/OR TWO 90 DEGREE BENDS OR EQUIVALENT PROVIDE PULL BOXES AS REQUIRED.

I. ALL ZONE CONDUITS (HOME RUN) FOR LOW VOLTAGE COMMUNICATIONS CABLING SHALL BE MARKED AT THEIR TERMINUS WITH A TAG THAT IDENTIFIES "FIRE ALARM, DATA, INTERCOM, ETC" (ROOM NAME AND NUMBER) WHERE THE OTHER END OF THE CONDUIT TERMINATES.

J. ALL CABLES ABOVE CEILING SHALL BE PLENUM RATED. ALL CABLES BELOW SLAB SHALL BE INDOOR/OUTDOOR RATED.

K. FURNISH AND INSTALL 8'H X 4'W X 3/4"T VERTICALLY HUNG, GRADE AC, PLYWOOD IN COMMUNICATION ROOMS AS INDICATED ON PLANS. PAINT PLYWOOD WITH TWO COATS OF FIRE RETARDANT TO MATCH EXISTING WALL FINISH. COORDINATE WITH ARCHITECT, PRIME CONTRACTOR, AND OWNER FOR INSTALLATION OF BACKBOARD. REFER TO DRAWINGS FOR PROPOSED LOCATION AND DETAILS.

L. MINIMUM CONDUIT SIZE FOR TWISTED PAIR CABLING (LOW VOLTAGE) SHALL BE NOT SMALLER THAN 1" TRADE SIZE.

M. THE CONTRACTOR SHALL FULLY REVIEW ALL ELECTRICAL POWER PLANS TO IDENTIFY ALL RESPONSIBILITIES AND SCOPE OF WORK.

N. ABOVE CEILING CABLE SUPPORTING HARDWARE. IN CONJUNCTION WITH THE SPECIFIED CABLE TRAY, ACCEPTABLE METHOD INCLUDES BUT IS NOT LIMITED TO J-HOOKS. CABLE SHOULD BE PROPERLY SUPPORTED WITH J-HOOK PATHWAY INSTALLED EVERY 3-5 FT. CABLE CROSS SECTION AREA SHOULD BE CALCULATED TO A 40% RATIO.

O. DATA CABLES FOR CAMERAS SHALL BE CAT-6A WITH YELLOW JACKET, JACKS, AND MATCHING PATCH CABLES.

P. DATA CABLES FOR ACCESS CONTROL SHALL BE CAT-6A WITH WHITE JACKET, JACKS, AND MATCHING PATCH CABLES.

SECURITY SHEET INDEX

SHEET #	SHEET TITLE
TY001	SECURITY GENERAL NOTES AND LEGENDS
TY101	SECURITY OVERALL FLOOR PLAN
TY102	SECURITY FLOOR PLAN NORTH
TY103	SECURITY FLOOR PLAN SOUTH
TY401	SECURITY SCHEDULES
TY501	SECURITY DETAILS I
TY502	SECURITY DETAILS II
TY503	SECURITY DETAILS III
TY504	SECURITY DETAILS IV

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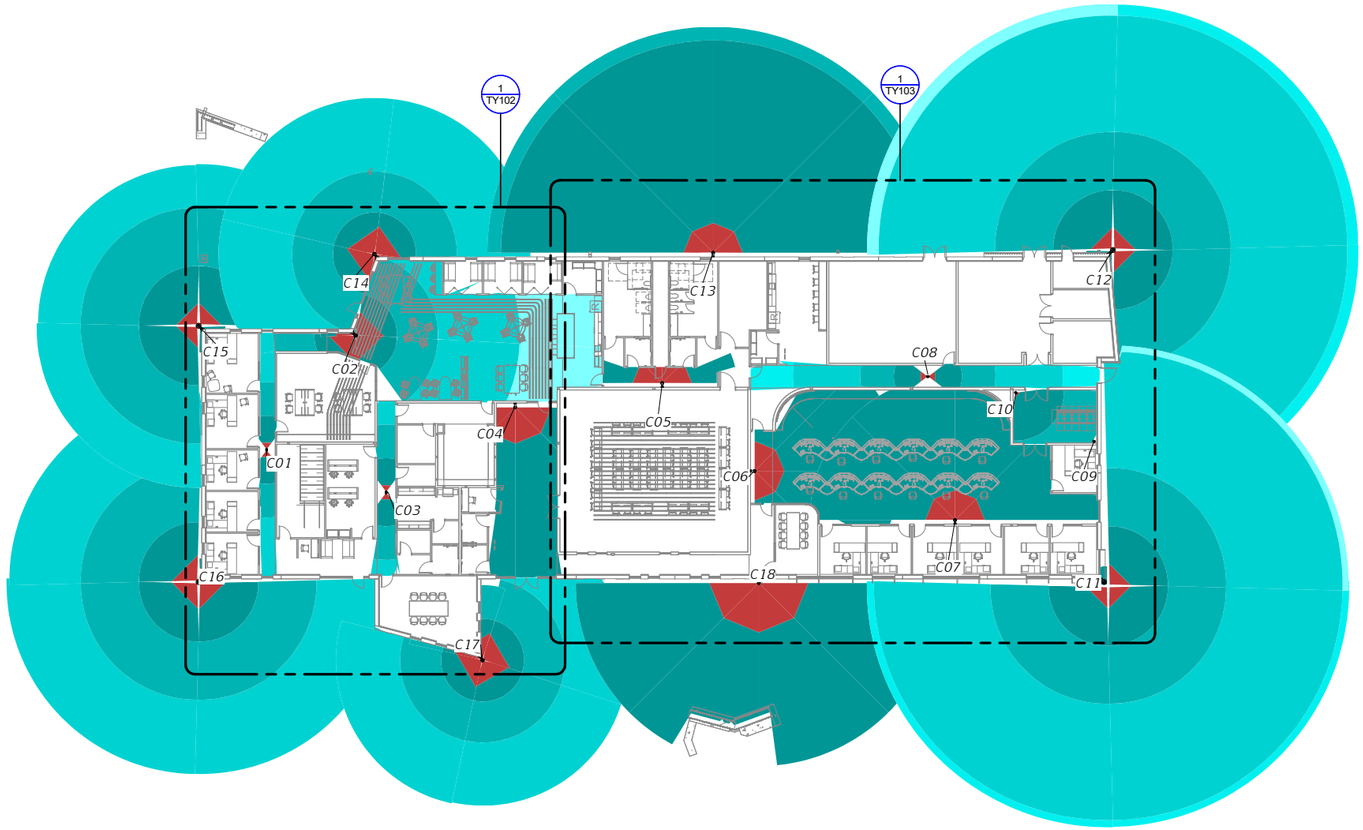
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

SECURITY GENERAL NOTES AND LEGENDS

DWG NO. TY001

SHEET NO.



GENERAL NOTES:

A. REFER TO SHEET TY001 FOR SECURITY GENERAL LEGEND AND NOTES.

B. THE INTENT OF THIS DRAWING IS TO DEMONSTRATE GENERAL AREAS OF COVERAGE OF THE DISTINCT CAMERA MODELS USED IN THIS SET OF DRAWINGS. SHOULD OTHER CAMERA MODELS OR MANUFACTURERS BE USED IN PROJECT IN LEIU OF THOSE SPECIFIED, THIS DRAWING SHOULD BE NO LONGER APPLICABLE. SHOULD THE CONTRACTOR OPT TO SUBMIT ON A ALTERNATIVE CAMERA SYSTEM, IT SHALL BE SUBMITTED WITH AN EQUAL OR BETTER MODEL AS SHOWIN ON THIS SHEET. NO EXCEPTIONS.

LEGEND

- COLLISION DETECTION – IDENTIFY ZONE
- COLLISION DETECTION – OBSERVE ZONE
- COLLISION DETECTION – DEAD ZONE

1 SECURITY OVERALL FLOOR PLAN

0' 10' 20' 40'

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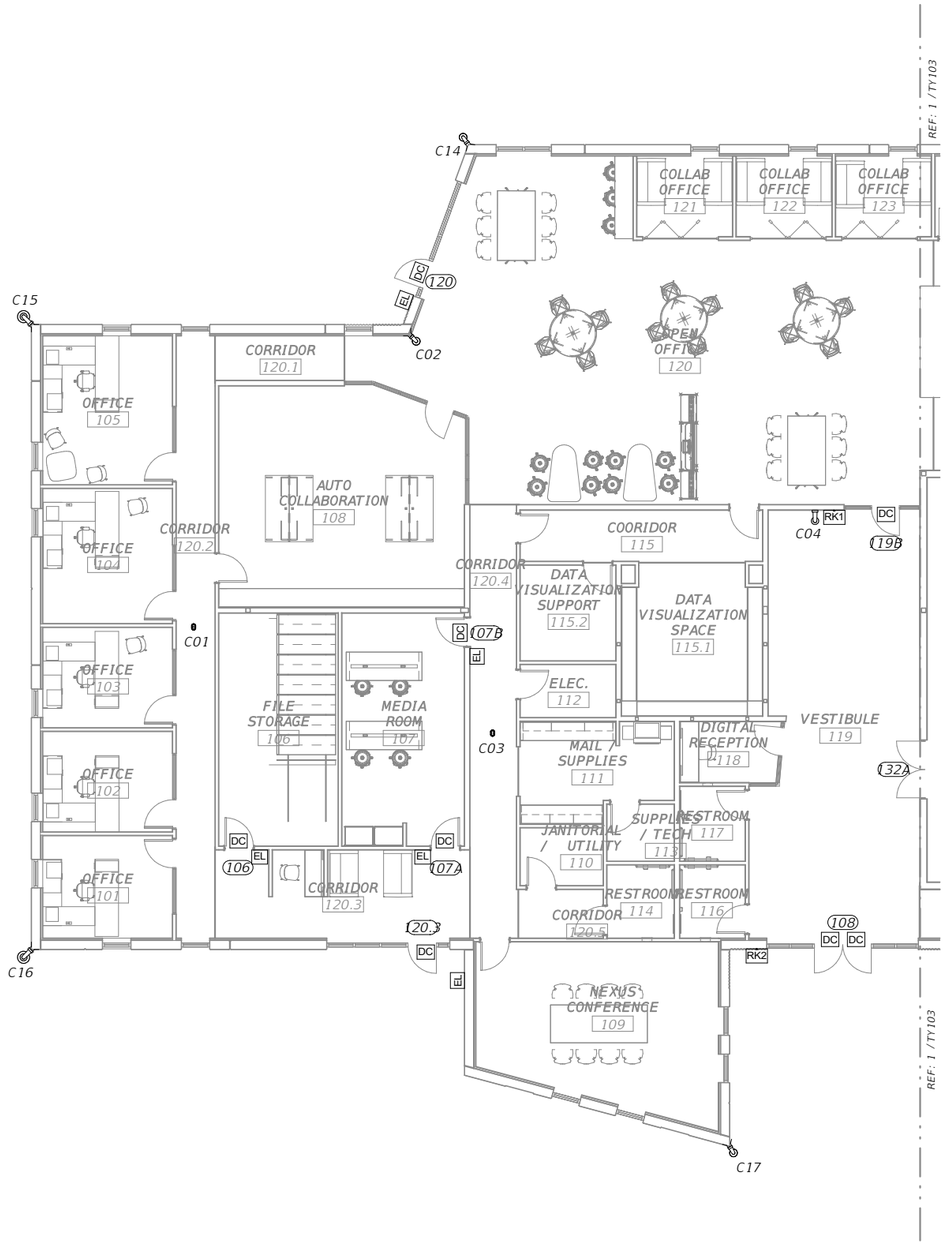
NORTH W STREET	ESCAMBIA	451524-1-38-01

SECURITY OVERALL FLOOR PLAN

DWG NO. TY101

SHEET NO.



1 SECURITY FLOOR PLAN NORTH

0' 4' 8' 16'

GENERAL NOTES:

A. REFER TO SHEET TY001 FOR SECURITY GENERAL LEGEND AND NOTES.

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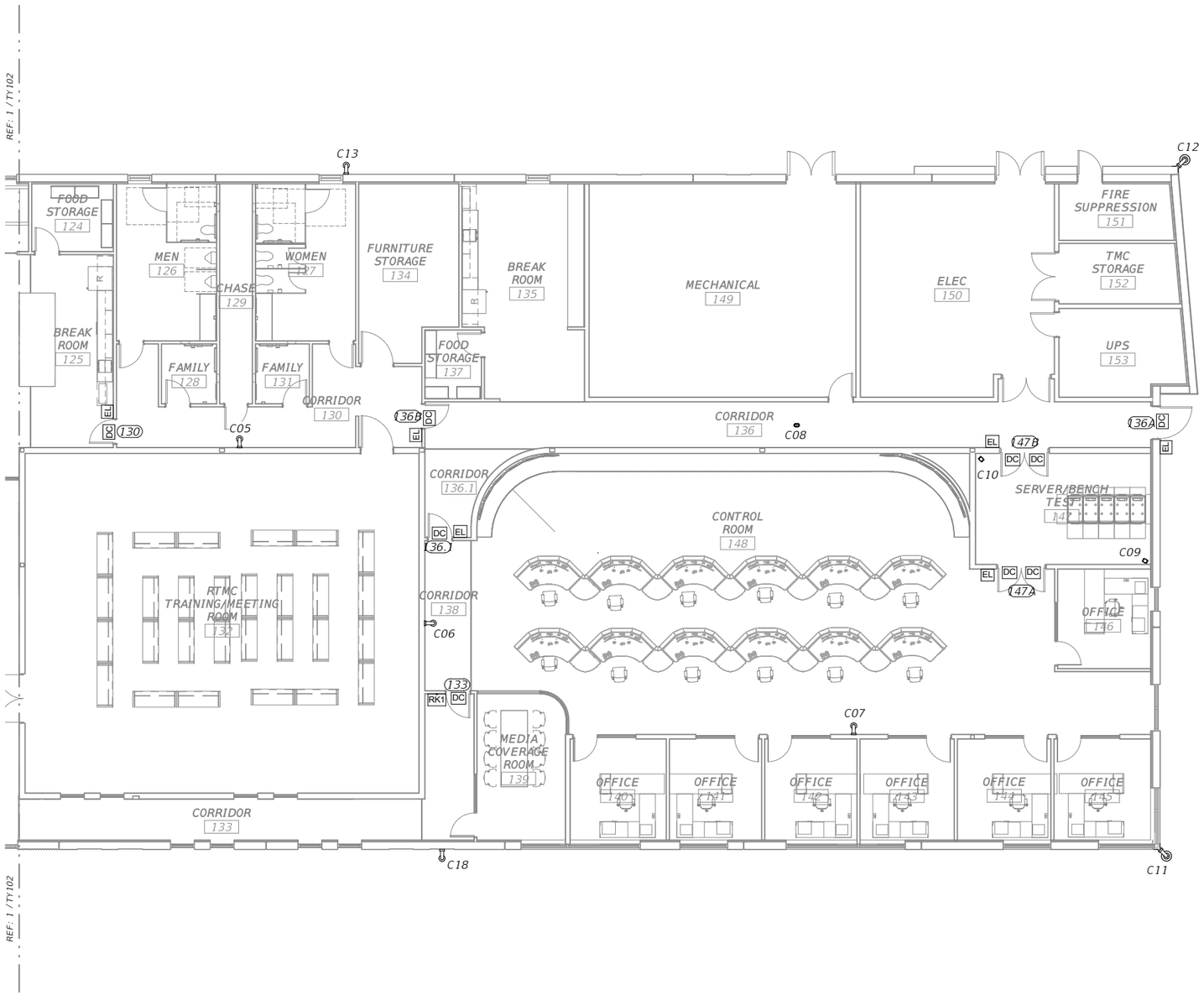
SECURITY FLOOR PLAN NORTH

DWG NO. TY102

SHEET NO.



1 SECURITY FLOOR PLAN SOUTH

0' 4' 8' 16'

GENERAL NOTES:

A. REFER TO SHEET TY001 FOR SECURITY GENERAL LEGEND AND NOTES.

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SECURITY FLOOR PLAN SOUTH

DWG NO. TY103

SHEET NO.

SECURITY PATCH PANEL 1 – ACCESS CONTROL

Location: SERVER/BENCH TEST 147

CKT	Circuit Description
1	ELECTRIC LOCK – FILE STORAGE 106 – D00R#106
2	DOOR CONTACT – FILE STORAGE 106 – D00R#106
3	ELECTRIC LOCK – MEDIA ROOM 107 – D00R#107A
4	DOOR CONTACT – MEDIA ROOM 107 – D00R#107A
5	ELECTRIC LOCK – MEDIA ROOM 107 – D00R#107B
6	DOOR CONTACT – MEDIA ROOM 107 – D00R#107B
7	ROCKX 2 – VESTIBULE 119 – D00R#119A
8	DOOR CONTACT – VESTIBULE 119 – D00R#119A
9	DOOR CONTACT – VESTIBULE 119 – D00R#119A
10	ROCK 1 – OPEN OFFICE 120 – D00R#119B
11	DOOR CONTACT – OPEN OFFICE 120 – D00R#119B
12	ELECTRIC LOCK – OPEN OFFICE 120 – D00R#120
13	DOOR CONTACT – OPEN OFFICE 120 – D00R#120
14	ELECTRIC LOCK – CORRIDOR 120.3 – D00R#120.3
15	DOOR CONTACT – CORRIDOR 120.3 – D00R#120.3
16	ELECTRIC LOCK – CORRIDOR 130 – D00R#130
17	DOOR CONTACT – CORRIDOR 130 – D00R#130
18	ROCK 1 – CORRIDOR 138 – D00R#133
19	DOOR CONTACT – CORRIDOR 138 – D00R#133
20	ELECTRIC LOCK – CONTROL ROOM 148 – D00R#136.1
21	DOOR CONTACT – CONTROL ROOM 148 – D00R#136.1
22	ELECTRIC LOCK – CORRIDOR 136 – D00R#136A
23	DOOR CONTACT – CORRIDOR 136 – D00R#136A
24	ELECTRIC LOCK – CORRIDOR 136 – D00R#136B
25	DOOR CONTACT – CORRIDOR 136 – D00R#136B
26	ELECTRIC LOCK – SERVER/BENCH TEST 147 – D00R#147A
27	DOOR CONTACT – SERVER/BENCH TEST 147 – D00R#147A
28	DOOR CONTACT – SERVER/BENCH TEST 147 – D00R#147A
29	ELECTRIC LOCK – SERVER/BENCH TEST 147 – D00R#147B
30	DOOR CONTACT – SERVER/BENCH TEST 147 – D00R#147B
31	DOOR CONTACT – SERVER/BENCH TEST 147 – D00R#147B
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SECURITY PATCH PANEL – CAMERAS

Location: SERVER/BENCH TEST 147

CKT	Circuit Description
1	C01 – CORRIDOR 120.2
2	C02 – OPEN OFFICE 120
3	C03 – CORRIDOR 120.4
4	C04 – VESTIBULE 119
5	C05 – CORRIDOR 130
6	C06 – CONTROL ROOM 148
7	C07 – CONTROL ROOM 148
8	C08 – CORRIDOR 136
9	C09 – SERVER/BENCH TEST 147
10	C10 – SERVER/BENCH TEST 147
11	C11 – EXTERIOR CORNER WALL
12	C12 – EXTERIOR CORNER WALL
13	C13 – EXTERIOR WALL
14	C14 – EXTERIOR CORNER WALL
15	C15 – EXTERIOR CORNER WALL
16	C16 – EXTERIOR CORNER WALL
17	C17 – EXTERIOR CORNER WALL
18	C18 – EXTERIOR WALL
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CAMERA SCHEDULE

CAMERA ID	DIV. 28 21 13	ORIENTATION	FIELD OF VIEW	ACCESSORIES	MOUNTING LOCATION	MOUNTING TYPE
C01	SECTION 2.03.C	STD	360°	MANUFACTURE APPROVED MOUNTING HARDWARE	INDOOR	CEILING
C02	SECTION 2.03.D	STD	360°	MANUFACTURE APPROVED MOUNTING HARDWARE	INDOOR	INTERIOR CORNER WALL MOUNTED
C03	SECTION 2.03.C	STD	360°	MANUFACTURE APPROVED MOUNTING HARDWARE	INDOOR	CEILING
C04	SECTION 2.03.E	STD	180°	MANUFACTURE APPROVED MOUNTING HARDWARE	INDOOR	WALL MOUNTED AT 9 FT
C05	SECTION 2.03.E	STD	180°	MANUFACTURE APPROVED MOUNTING HARDWARE	INDOOR	WALL MOUNTED AT 9 FT
C06	SECTION 2.03.E	STD	180°	MANUFACTURE APPROVED MOUNTING HARDWARE	INDOOR	WALL MOUNTED AT 9 FT
C07	SECTION 2.03.E	STD	180°	MANUFACTURE APPROVED MOUNTING HARDWARE	INDOOR	WALL MOUNTED AT 9 FT
C08	SECTION 2.03.C	STD	360°	MANUFACTURE APPROVED MOUNTING HARDWARE	INDOOR	CEILING
C09	SECTION 2.03.F	STD	90°	MANUFACTURE APPROVED MOUNTING HARDWARE	INDOOR	WALL MOUNTED AT 9 FT
C10	SECTION 2.03.F	STD	90°	MANUFACTURE APPROVED MOUNTING HARDWARE	INDOOR	WALL MOUNTED AT 9 FT
C11	SECTION 2.03.A & 2.03.B	STD	360° W/ PTZ	MANUFACTURE APPROVED MOUNTING HARDWARE	OUTDOOR UNDER SOFFIT	EXTERIOR CORNER WALL MOUNTED
C12	SECTION 2.03.A & 2.03.B	STD	360° W/ PTZ	MANUFACTURE APPROVED MOUNTING HARDWARE	OUTDOOR UNDER SOFFIT	EXTERIOR CORNER WALL MOUNTED
C13	SECTION 2.03.E	STD	180°	MANUFACTURE APPROVED MOUNTING HARDWARE	OUTDOOR UNDER SOFFIT	EXTERIOR WALL MOUNTED
C14	SECTION 2.03.A	STD	360°	MANUFACTURE APPROVED MOUNTING HARDWARE	OUTDOOR UNDER SOFFIT	EXTERIOR CORNER WALL MOUNTED
C15	SECTION 2.03.A & 2.03.B	STD	360° W/ PTZ	MANUFACTURE APPROVED MOUNTING HARDWARE	OUTDOOR UNDER SOFFIT	EXTERIOR WALL MOUNTED
C16	SECTION 2.03.A & 2.03.B	STD	360° W/ PTZ	MANUFACTURE APPROVED MOUNTING HARDWARE	OUTDOOR UNDER SOFFIT	EXTERIOR CORNER WALL MOUNTED
C17	SECTION 2.03.A	STD	360°	MANUFACTURE APPROVED MOUNTING HARDWARE	OUTDOOR UNDER SOFFIT	EXTERIOR CORNER WALL MOUNTED
C18	SECTION 2.03.E	STD	180°	MANUFACTURE APPROVED MOUNTING HARDWARE	OUTDOOR UNDER SOFFIT	EXTERIOR WALL MOUNTED

No.	Date	Issue / Revision

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FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

SECURITY SCHEDULES

DWG NO. TY401

SHEET NO.

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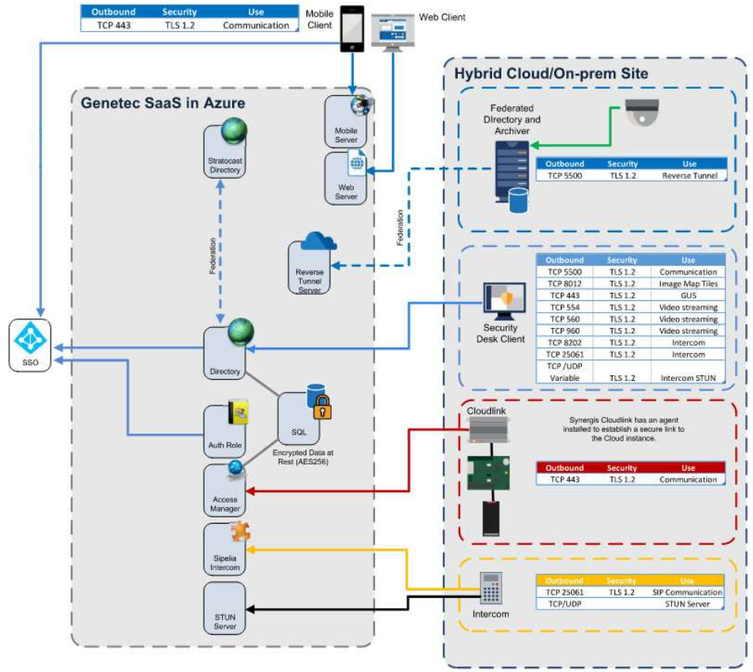
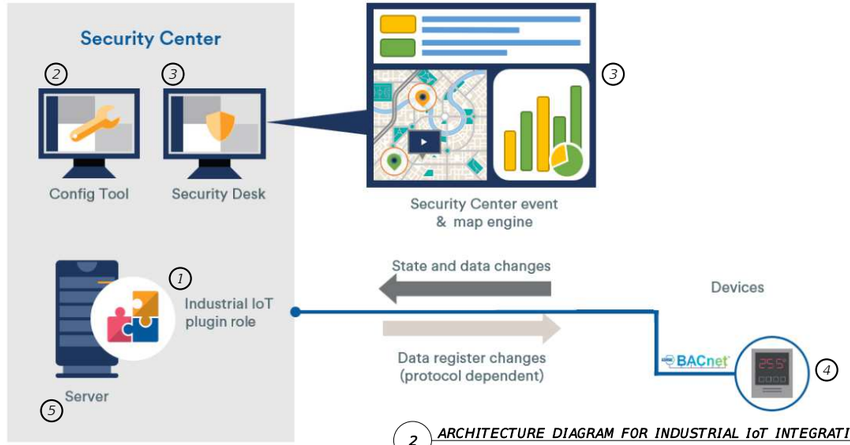


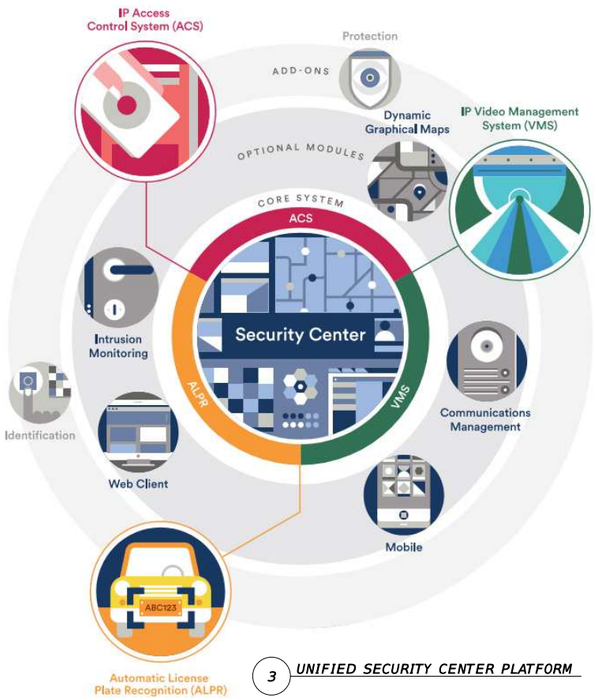
1 *HYBRID GENETEC ARCHITECTURE DATA FLOW DIAGRAM*



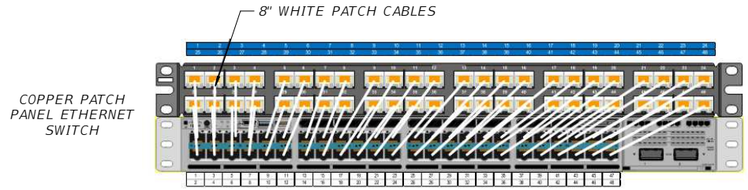
2 *ARCHITECTURE DIAGRAM FOR INDUSTRIAL IoT INTEGRATION*

COMPONENTS OF INDUSTRIAL IOT INTEGRATION

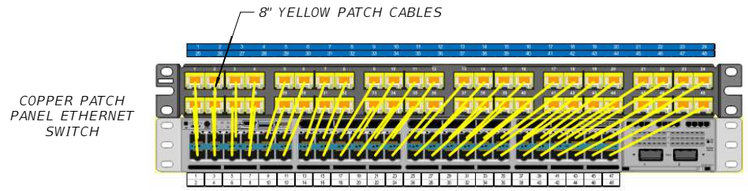
1. *INDUSTRIAL IOT PLUGIN ROLE: WITH THE INDUSTRIAL IOT PLUGIN, YOU CAN CREATE THE INDUSTRIAL IOT ROLE. THROUGH THIS ROLE, SECURITY CENTER CAN COMMUNICATE WITH IOT DEVICES. THE PLUGIN ROLE CAN RAISE EVENTS AND TRIGGER ALARMS WHEN DATA CHANGES OCCUR ON THESE DEVICES.*
2. *CONFIG TOOL: THE INDUSTRIAL IOT PLUGIN MUST BE INSTALLED ON A CONFIG TOOL WORKSTATION. THE SECURITY CENTER ADMINISTRATOR USES CONFIG TOOL TO CREATE AND CONFIGURE THE PLUGIN ROLE.*
3. *SECURITY DESK: THE INDUSTRIAL IOT PLUGIN MUST BE INSTALLED ON ALL SECURITY DESK WORKSTATIONS. SECURITY DESK OPERATORS CAN VIEW STATE CHANGES IN REAL TIME ON MAPS.*
4. *BACNET DEVICES: DEVICES THAT USE THE BACNET PROTOCOL TO COMMUNICATE WITH THE PLUGIN ROLE. WHEN REQUESTED BY THE PLUGIN ROLE, THE BACNET DEVICES REPLY WITH THEIR CURRENT DATA AND STATES.*
5. *TCP SERVER: THE PLUGIN ROLE RECEIVES DATA AND EVENTS FROM DEVICES CONNECTED TO A TCP SERVER RUN BY THE PLUGIN ROLE. THE TCP SERVER MUST BE CONFIGURED TO IDENTIFY DATA AND EVENTS BY EVALUATING THE PAYLOAD SENT BY THESE DEVICES AGAINST REGULAR EXPRESSIONS.*



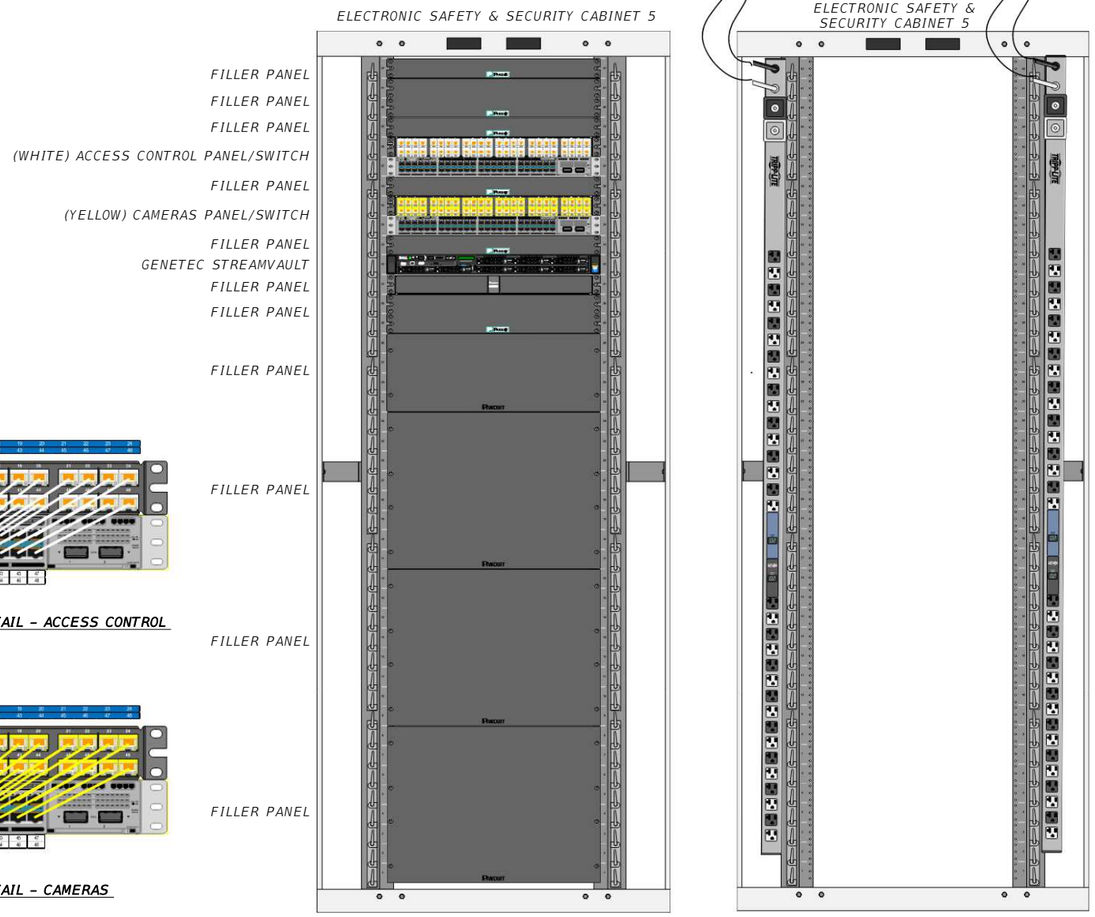
3 *UNIFIED SECURITY CENTER PLATFORM*



4 *TYPICAL COPPER PATCH PANEL JACK TO ETHERNET SWITCH PORT DETAIL – ACCESS CONTROL*



5 *TYPICAL COPPER PATCH PANEL JACK TO ETHERNET SWITCH PORT DETAIL – CAMERAS*



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No.	Date	Issue / Revision

halff
2255 KILLEARN CENTER BLVD.
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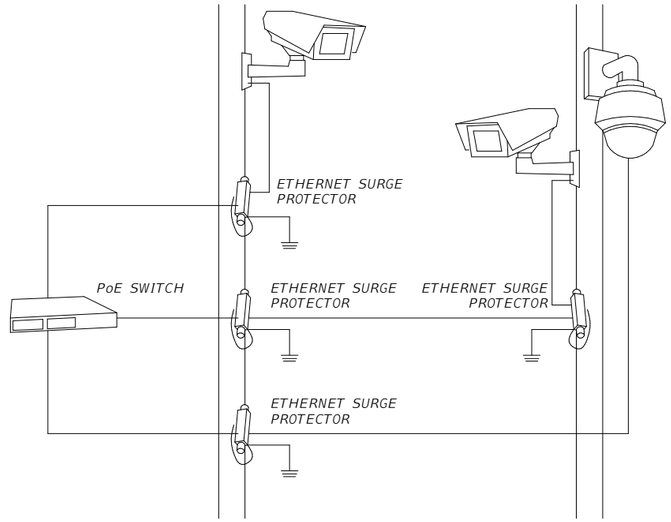
FLORIDA-ALABAMA TPO

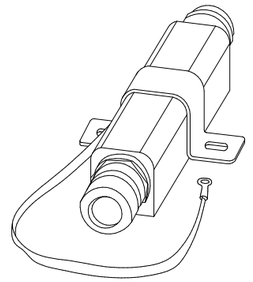
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

SECURITY DETAILS I

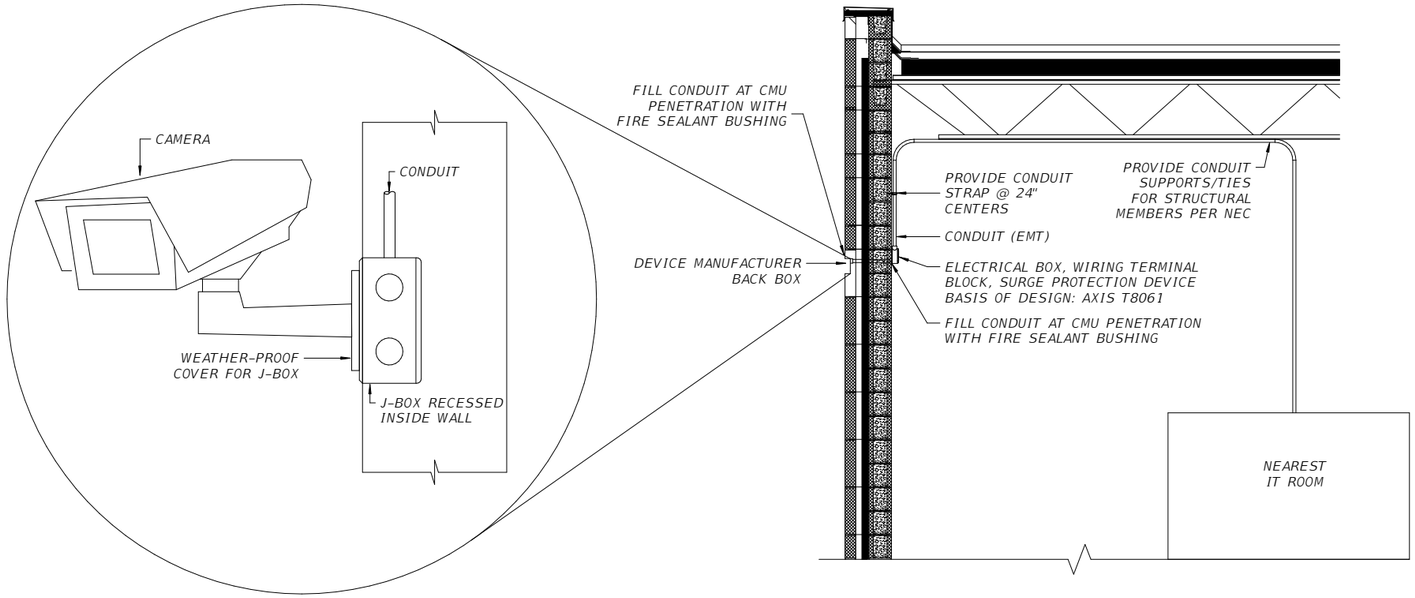
DWG NO. TY501
SHEET NO.



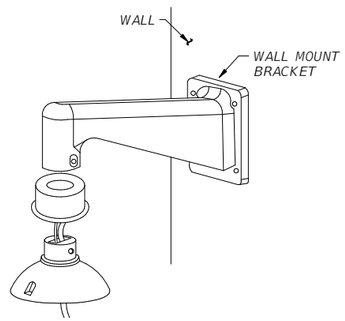
2 **TYPICAL ETHERNET SURGE PROTECTION DETAIL**



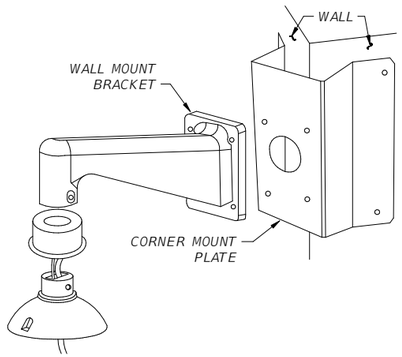
ETHERNET SURGE PROTECTOR
BASIS OF DESIGN: AXIS T8061



3 **TYPICAL CONDUIT PENETRATION DETAIL**



TYPICAL WALL MOUNT



TYPICAL CORNER WALL MOUNT

1 **TYPICAL CAMERA WALL MOUNT DETAIL WITH CORNER MOUNT**

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FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

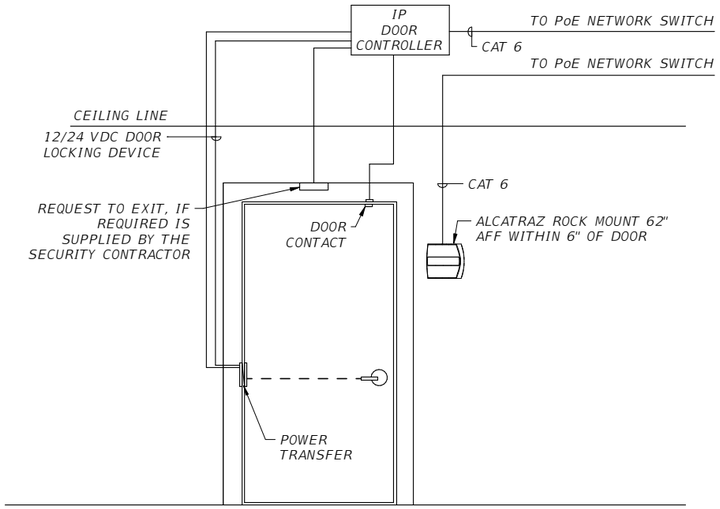
SECURITY DETAILS II

DWG NO. TY502

SHEET NO.

GENERAL NOTES :

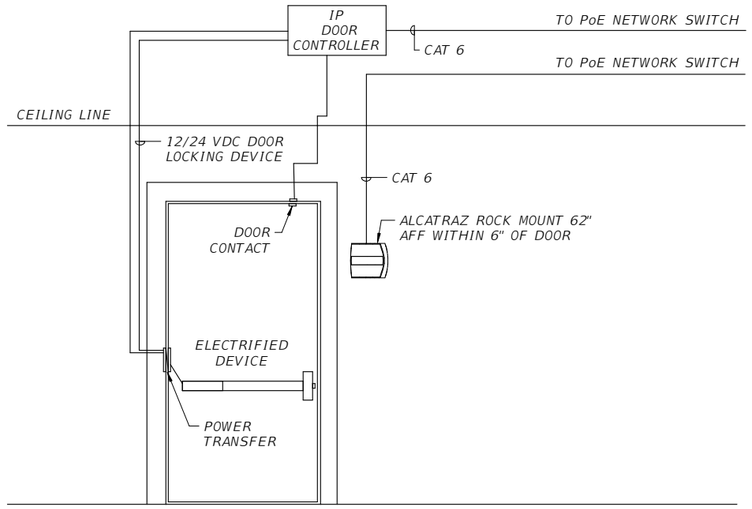
A. ALL CONDUITS SHALL BE PROVIDED BY ELECTRICAL CONTRACTOR.
B. ALL LOW VOLTAGE WIRING SHALL BE PROVIDED BY SECURITY CONTRACTOR.
C. ELECTRICAL AND SECURITY CONTRACTORS SHALL COORDINATE WITH DOOR HARDWARE CONTRACTOR FOR CONDUIT ROUTING AND WIRING OF ACCESS CONTROL SYSTEM. ELECTRICAL CONTRACTOR SHALL CONCEAL CONDUIT AS MUCH AS POSSIBLE BY ROUTING IT THROUGH FRAMING ELEMENTS.
D. REFER TO ARCHITECTURAL PLANS AND SPECIFICATIONS FOR DOOR HARDWARE.
E. PROVIDE WITH NEMA 1 ENCLOSURE WITH BUSHINGS, MOUNTING PANEL, GROUNDING AND SUPPORTING MEANS. ELECTRICAL CONTRACTOR SHALL TERMINATE ALL DOOR SECURITY SYSTEM CONDUITS AT NEMA 1 ENCLOSURE.
F. THIS DETAIL IS FOR REFERENCE ONLY.



3 **SINGLE OUT & IN SWINGING DOOR WITH ALCATRAZ ROCK ACCESS**

GENERAL NOTES :

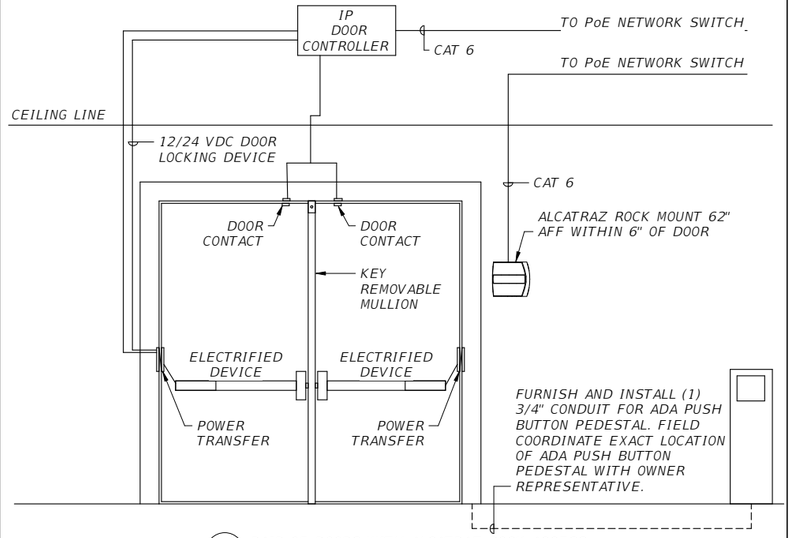
A. ALL CONDUITS SHALL BE PROVIDED BY ELECTRICAL CONTRACTOR.
B. ALL LOW VOLTAGE WIRING SHALL BE PROVIDED BY SECURITY CONTRACTOR.
C. ELECTRICAL AND SECURITY CONTRACTORS SHALL COORDINATE WITH DOOR HARDWARE CONTRACTOR FOR CONDUIT ROUTING AND WIRING OF ACCESS CONTROL SYSTEM. ELECTRICAL CONTRACTOR SHALL CONCEAL CONDUIT AS MUCH AS POSSIBLE BY ROUTING IT THROUGH FRAMING ELEMENTS.
D. REFER TO ARCHITECTURAL PLANS AND SPECIFICATIONS FOR DOOR HARDWARE.
E. PROVIDE WITH NEMA 1 ENCLOSURE WITH BUSHINGS, MOUNTING PANEL, GROUNDING AND SUPPORTING MEANS. ELECTRICAL CONTRACTOR SHALL TERMINATE ALL DOOR SECURITY SYSTEM CONDUITS AT NEMA 1 ENCLOSURE.
F. THIS DETAIL IS FOR REFERENCE ONLY.
G. POWER SUPPLY SHALL BE PROVIDED WITH DOOR HARDWARE.



2 **SINGLE DOOR WITH ALCATRAZ ROCK ACCESS**

GENERAL NOTES :

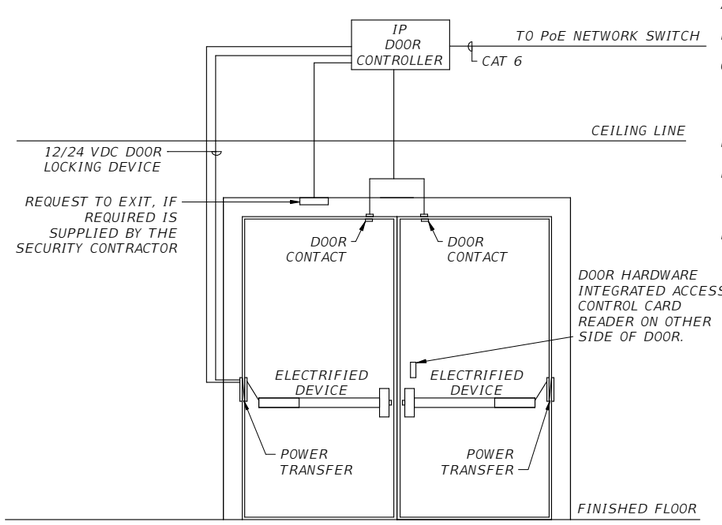
A. ALL CONDUITS SHALL BE PROVIDED BY ELECTRICAL CONTRACTOR.
B. ALL LOW VOLTAGE WIRING SHALL BE PROVIDED BY SECURITY CONTRACTOR.
C. ELECTRICAL AND SECURITY CONTRACTORS SHALL COORDINATE WITH DOOR HARDWARE CONTRACTOR FOR CONDUIT ROUTING AND WIRING OF ACCESS CONTROL SYSTEM. ELECTRICAL CONTRACTOR SHALL CONCEAL CONDUIT AS MUCH AS POSSIBLE BY ROUTING IT THROUGH FRAMING ELEMENTS.
D. REFER TO ARCHITECTURAL PLANS AND SPECIFICATIONS FOR DOOR HARDWARE.
E. PROVIDE WITH NEMA 1 ENCLOSURE WITH BUSHINGS, MOUNTING PANEL, GROUNDING AND SUPPORTING MEANS. ELECTRICAL CONTRACTOR SHALL TERMINATE ALL DOOR SECURITY SYSTEM CONDUITS AT NEMA 1 ENCLOSURE.
F. THIS DETAIL IS FOR REFERENCE ONLY.
G. POWER SUPPLY SHALL BE PROVIDED WITH DOOR HARDWARE.



1 **PAIR OF DOORS WITH ALCATRAZ ROCK ACCESS**

GENERAL NOTES :

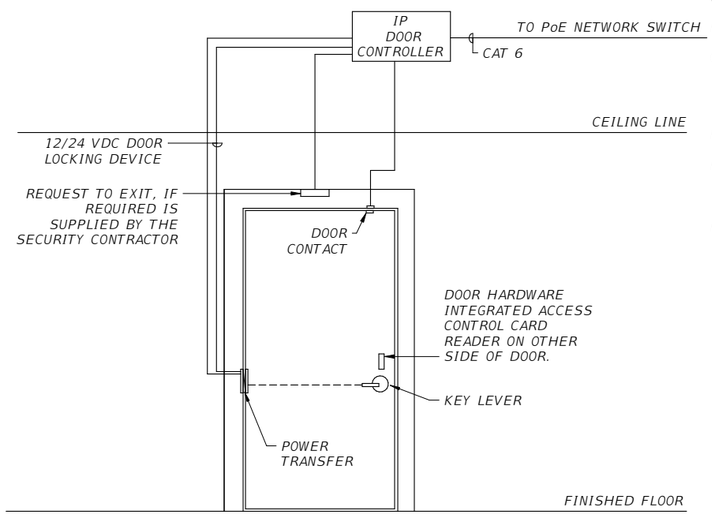
A. ALL CONDUITS SHALL BE PROVIDED BY ELECTRICAL CONTRACTOR.
B. ALL LOW VOLTAGE WIRING SHALL BE PROVIDED BY SECURITY CONTRACTOR.
C. ELECTRICAL AND SECURITY CONTRACTORS SHALL COORDINATE WITH DOOR HARDWARE CONTRACTOR FOR CONDUIT ROUTING AND WIRING OF ACCESS CONTROL SYSTEM. ELECTRICAL CONTRACTOR SHALL CONCEAL CONDUIT AS MUCH AS POSSIBLE BY ROUTING IT THROUGH FRAMING ELEMENTS.
D. REFER TO ARCHITECTURAL PLANS AND SPECIFICATIONS FOR DOOR HARDWARE.
E. PROVIDE WITH NEMA 1 ENCLOSURE WITH BUSHINGS, MOUNTING PANEL, GROUNDING AND SUPPORTING MEANS. ELECTRICAL CONTRACTOR SHALL TERMINATE ALL DOOR SECURITY SYSTEM CONDUITS AT NEMA 1 ENCLOSURE.
F. THIS DETAIL IS FOR REFERENCE ONLY.



5 **DOUBLE DOOR WITH CARD READER FOR MOBILE ACCESS**

GENERAL NOTES :

A. ALL CONDUITS SHALL BE PROVIDED BY ELECTRICAL CONTRACTOR.
B. ALL LOW VOLTAGE WIRING SHALL BE PROVIDED BY SECURITY CONTRACTOR.
C. ELECTRICAL AND SECURITY CONTRACTORS SHALL COORDINATE WITH DOOR HARDWARE CONTRACTOR FOR CONDUIT ROUTING AND WIRING OF ACCESS CONTROL SYSTEM. ELECTRICAL CONTRACTOR SHALL CONCEAL CONDUIT AS MUCH AS POSSIBLE BY ROUTING IT THROUGH FRAMING ELEMENTS.
D. REFER TO ARCHITECTURAL PLANS AND SPECIFICATIONS FOR DOOR HARDWARE.
E. PROVIDE WITH NEMA 1 ENCLOSURE WITH BUSHINGS, MOUNTING PANEL, GROUNDING AND SUPPORTING MEANS. ELECTRICAL CONTRACTOR SHALL TERMINATE ALL DOOR SECURITY SYSTEM CONDUITS AT NEMA 1 ENCLOSURE.
F. THIS DETAIL IS FOR REFERENCE ONLY.



4 **SINGLE SWINGING DOOR WITH CARD READER FOR MOBILE ACCESS**

No.	Date	Issue / Revision

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FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

SECURITY DETAILS III

DWG NO.
TY503
SHEET NO.

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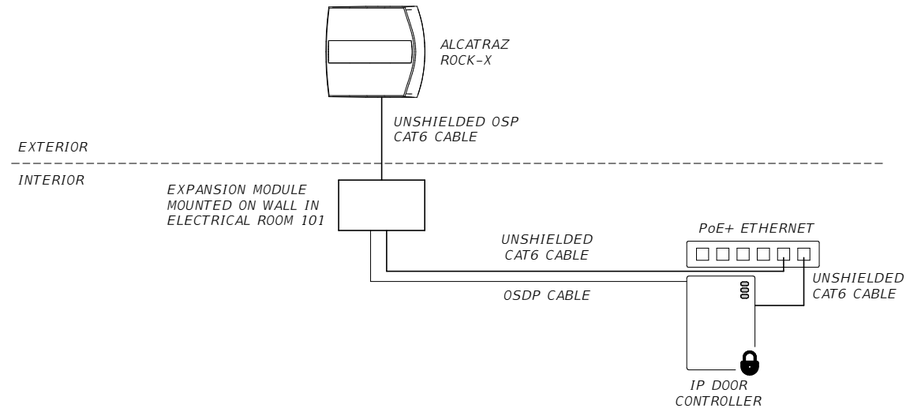
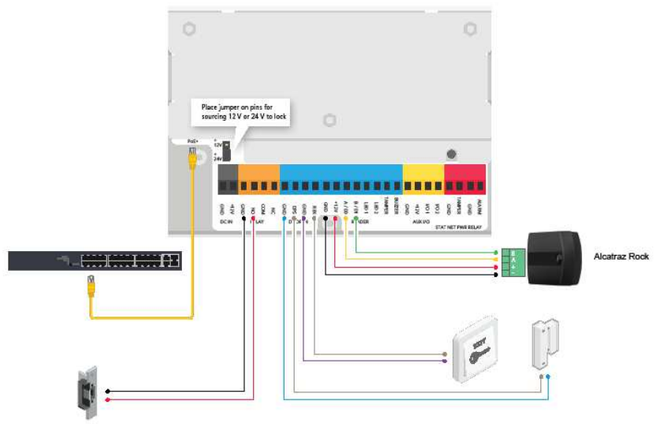
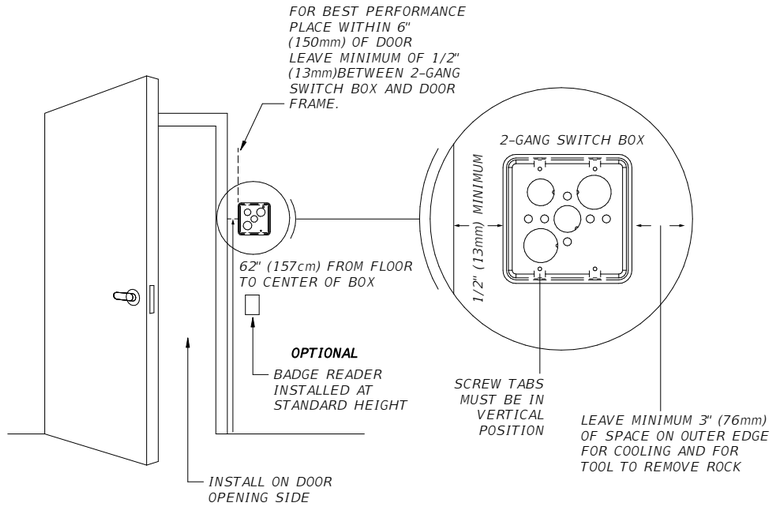


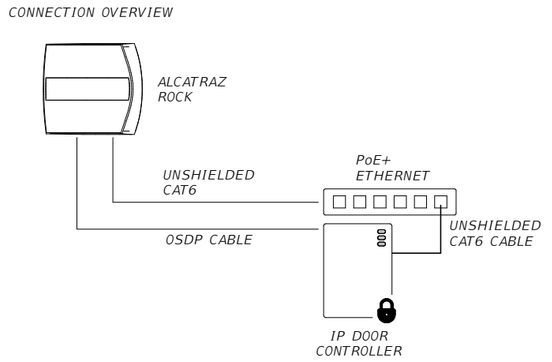
4 **ROCK-X EXTERIOR WIRE CABLE TO IP DOOR CONTROLLER AND NETWORK FOR BUILDING MOUNTED EXTERIOR DOOR LOCATIONS**



3 **IP-DOOR CONTROLLER DETAIL**



2 **ALCATRAZ INSTALLATION GUIDE DETAIL**



1 **OSDP WIRE CABLE TO IP DOOR CONTROLLER**

No.	Date	Issue / Revision

halff
2255 KILLEARN CENTER BLVD.
SUITE 200
TALLAHASSEE, FLORIDA 32309
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FLORIDA-ALABAMA TPO

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

SECURITY DETAILS IV

DWG NO. TY504

SHEET NO.

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