

NEW FLEET MANAGEMENT BUILDING

FOR

ALABAMA INDUSTRIAL DEVELOPMENT TRAINING

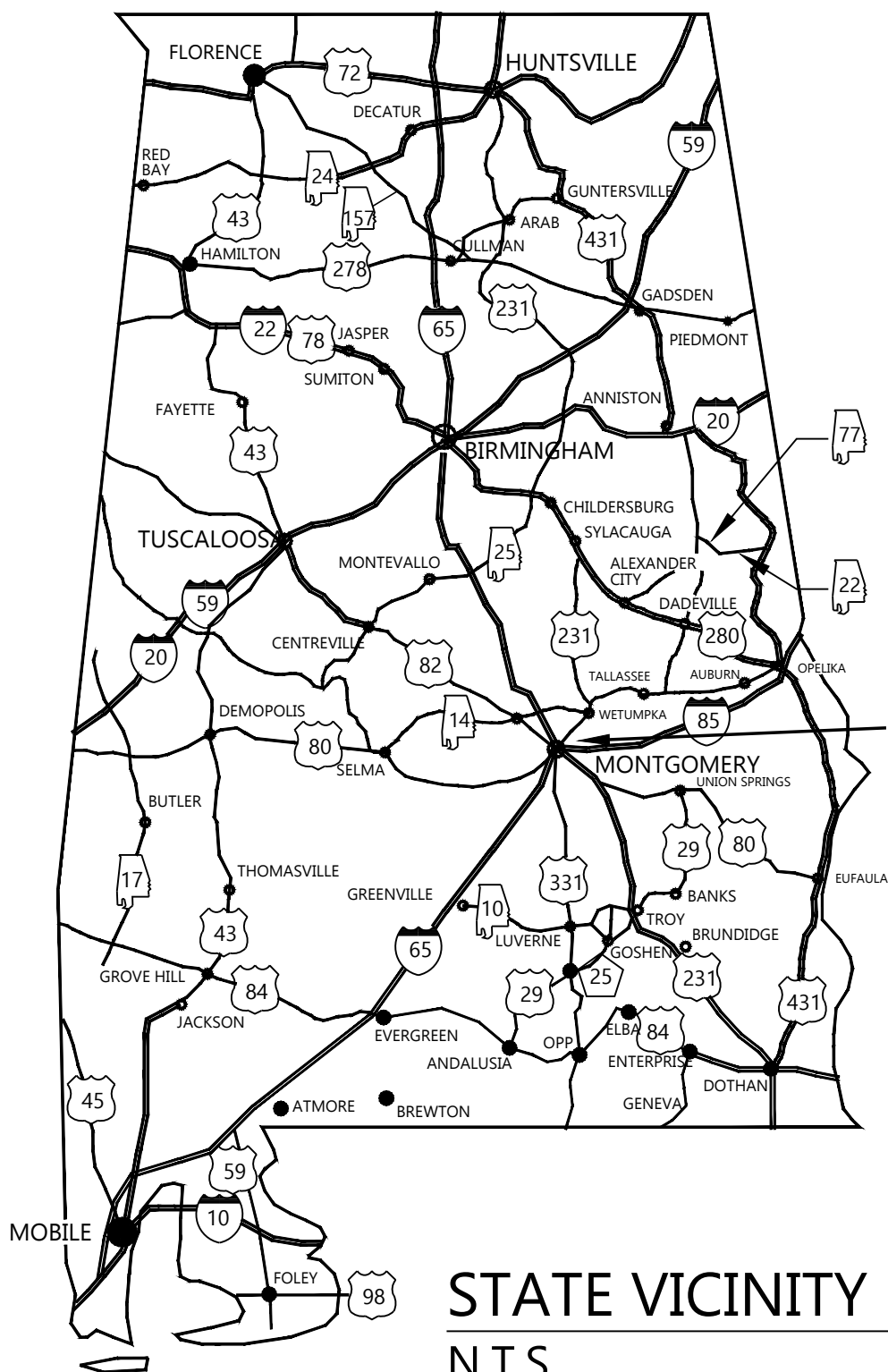
MONTGOMERY, ALABAMA

PH&J architects inc.	• ARCHITECT
LARRY E. SPEAKS AND ASSOC., INC.	• CIVIL ENGINEER
BLACKBURN, DANIELS, O'BARR, INC.	• STRUCTURAL ENGINEER
ZGOUVAS, ERING AND ASSOC.	• MECHANICAL ENGINEER
GUNN & ASSOCIATES, P.C.	• ELECTRICAL ENGINEER

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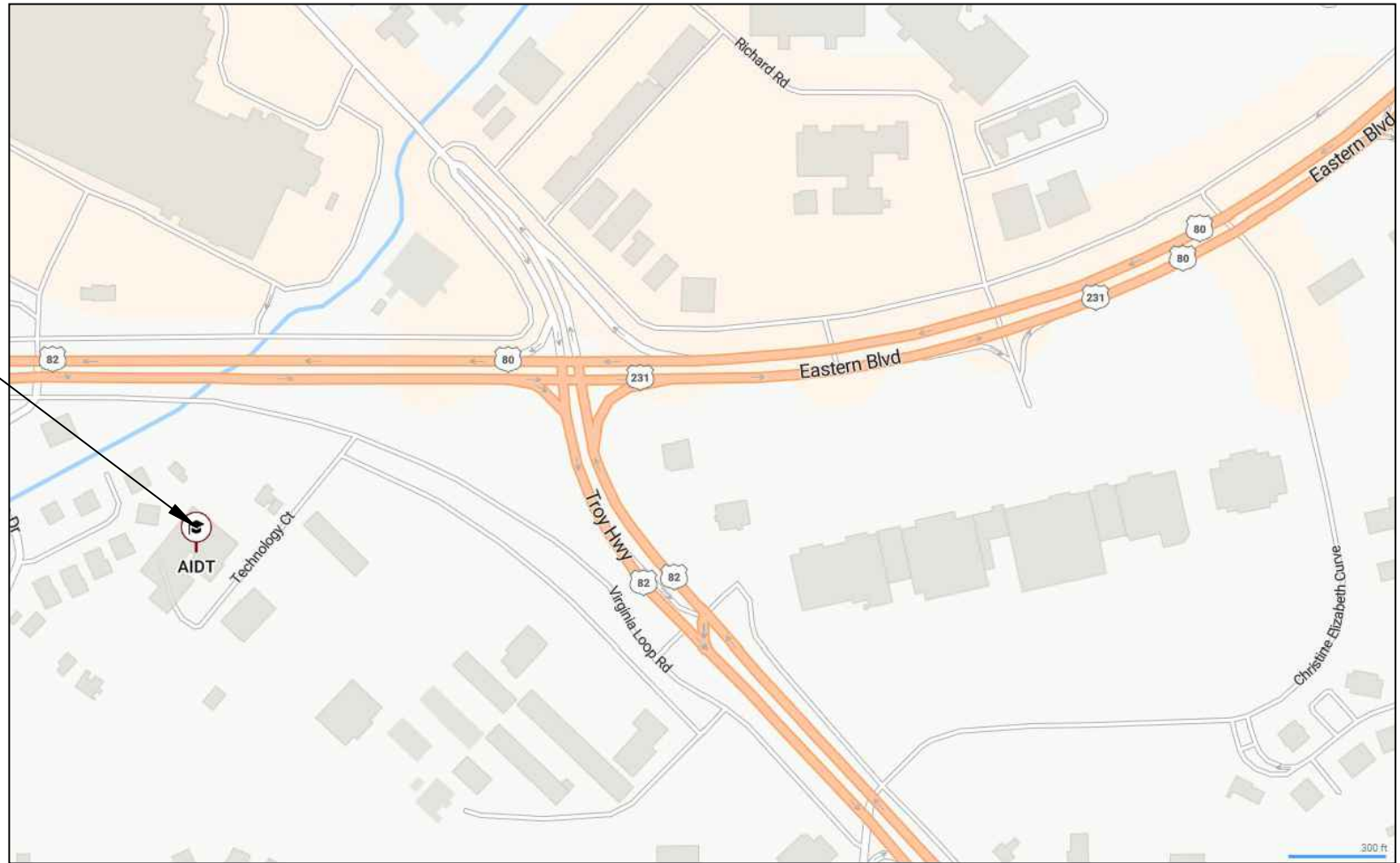
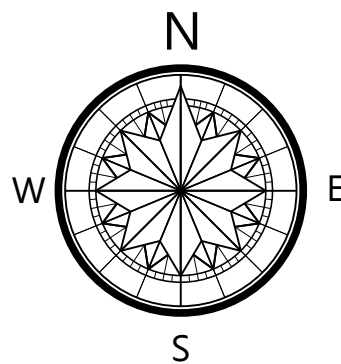
REBID



STATE VICINITY MAP
N.T.S.

PROJECT SITE

PROJECT SITE



LOCAL VICINITY MAP
N.T.S.

NEW FLEET MANAGEMENT BUILDING
FOR
AIDT
MONTGOMERY, ALABAMA

STATE OF ALABAMA
REGISTERED ARCHITECTS
P. T. ADDISON 4564
R. O. JONES III 4503

DRAWN HW

CHECK HW/PA

DATE 8/20/2026 R.T.A.

REVISED

REVISED

SHEET TITLE

INDEX to DRAWINGS
and VICINITY MAPS

JOB NO. PH&J #2502-CUA
DCM #2025417

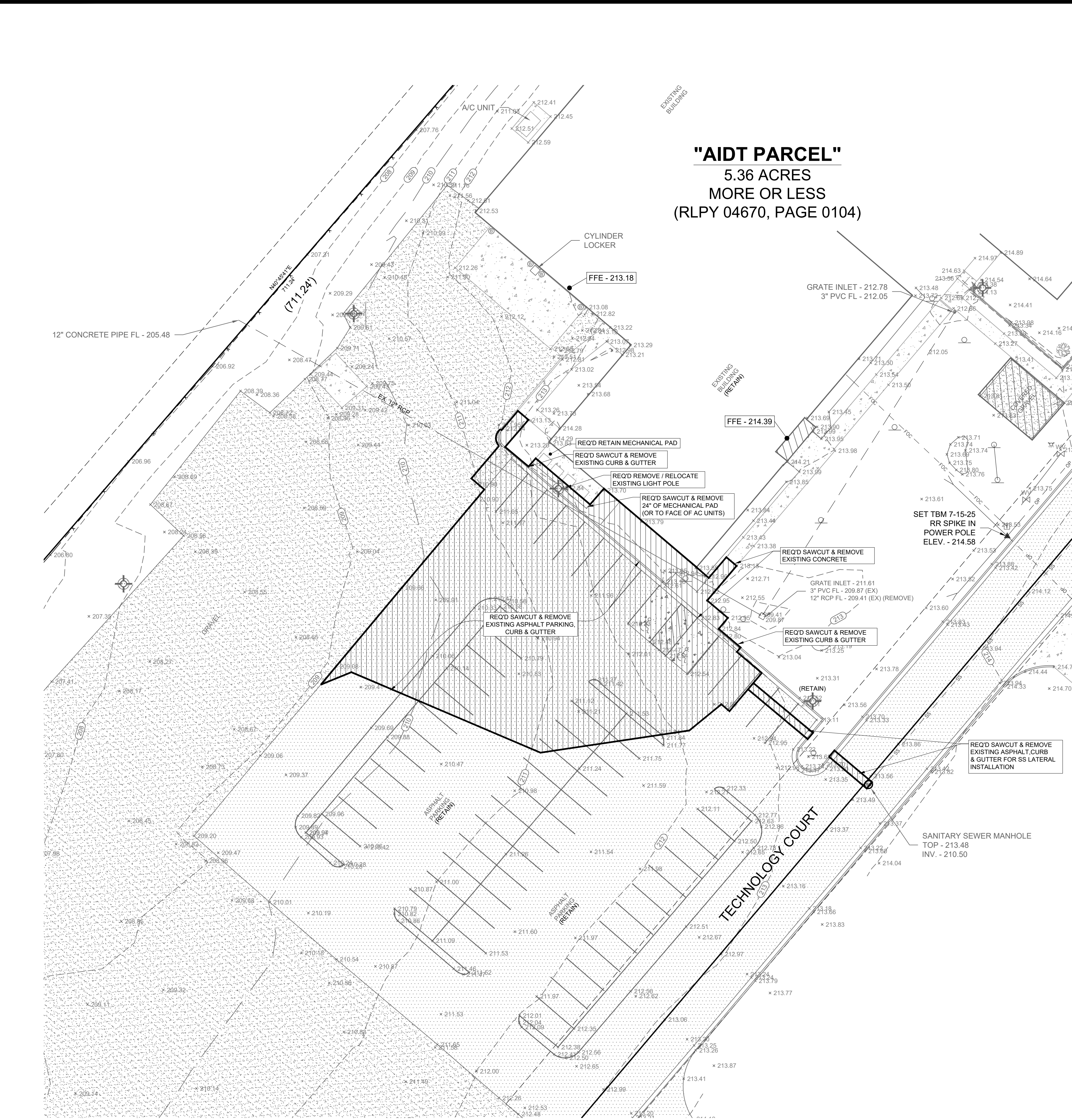
SEQUENCE NO. 1 OF 39

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T-1

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architects inc.
Montgomery, Alabama



"AIDT PARCEL"

5.36 ACRES
MORE OR LESS
(RLPY 04670, PAGE 0104)

PROJECT NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR HAVING ALL EXISTING UTILITIES LOCATED PRIOR TO CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
2. THIS PLAN IS NOT INTENDED TO SHOW EACH AND EVERY ITEM TO BE REMOVED OR DEMOLISHED BY THE CONTRACTOR. THERE ARE OTHER ITEMS NOT SHOWN THAT THE CONTRACTOR MUST REMOVE AND/OR REPLACE IN ORDER TO CONSTRUCT THE IMPROVEMENTS SHOWN IN THESE PLANS. THE CONTRACTOR SHALL THOROUGHLY INVESTIGATE BOTH THESE PLANS, AND THE SITE, PRIOR TO SUBMITTING A BID. THE CONTRACTOR WILL NOT RECEIVE ADDITIONAL COMPENSATION FOR ITEMS NOT NOTED TO BE REMOVED IN THESE PLANS.
3. SITE SECURITY IS THE RESPONSIBILITY OF THE CONTRACTOR.
4. CONTRACTOR IS RESPONSIBLE FOR INSTALLING AND MAINTAINING ADEQUATE EROSION/SEDIMENTATION CONTROL DURING ALL PHASES OF CONSTRUCTION.
5. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A CONSTRUCTION STORMWATER PERMIT THROUGH THE ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT (ADEM) PRIOR TO BEGINNING EARTH MOVING ACTIVITIES, INCLUDING ALL PERMIT FEES.
6. CONTRACTOR IS RESPONSIBLE FOR THE COST OF OBTAINING ANY REQUIRED PERMITS.
7. CONTRACTOR IS RESPONSIBLE FOR KEEPING MUD AND DEBRIS OFF PUBLIC STREETS AND ROW. CLEAN UP IS REQUIRED DAILY.
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10. ALL WORK RELATED TO WATER AND/OR SEWER UTILITIES TO MEET OR EXCEED MWSSB STANDARDS AND SPECIFICATIONS, AND MUST BE INSPECTED BY A MWSSB INSPECTOR PRIOR TO BACKFILLING.
11. ALL PARKING LOT STRIPING SHALL BE CLASS 1 PER ALDOT STANDARD SPECIFICATIONS SECTION 701, LATEST EDITION.
12. ALL ASPHALT AND CONCRETE NOTED TO BE REMOVED SHALL BE SAW CUT TO PROVIDE A CLEAN EDGE.
13. ALL NEW SIDEWALKS CONSTRUCTED SHALL NOT EXCEED 2% CROSS SLOPE. ANY SECTIONS CONSTRUCTED AS PART OF THIS CONTRACT THAT EXCEED 2% CROSS SLOPE WILL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE.
14. ALL NEW HANDICAP PARKING SPACES CONSTRUCTED MUST MEET OR EXCEED ADA REQUIREMENTS.

MWSSB NOTES:

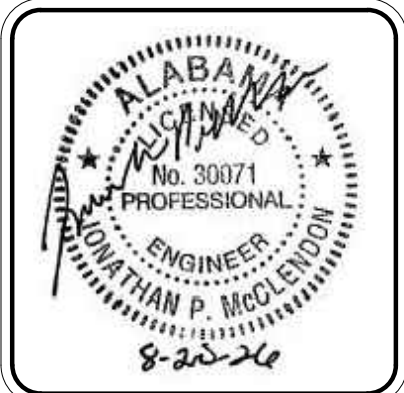
1. ALL WATER & SEWER IMPROVEMENTS SHALL MEET THE SPECIFICATIONS OF THE MONTGOMERY WATER WORKS & SANITARY SEWER BOARD.
2. CONTRACTOR TO WRAP ALL D.I. PIPE.
3. 30" OF COVER IS REQUIRED AT ALL TIMES OVER WATER AND SANITARY SEWER MAINS.
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LARRY E. SPEAKS & ASSOCIATES, INC.
CONSULTING ENGINEERS & LAND SURVEYORS
535 HERRON STREET
MONTGOMERY, AL 36104
TEL (334)262-1091

LEGEND:	
EXISTING	PROPOSED
● FOUND IRON PIN	ASPHALT PAVING
○ SET IRON PIN (5/8" REBAR CAPPED) W/# CA-00017-LS	CONCRETE PAVING
■ FOUND CONCRETE MARKER	CONCRETE
△ CALCULATED POINT	SS SANITARY SEWER
ASPHALT	SL SANITARY LATERAL
CONCRETE	W WATER MAIN
GRAVEL	SD STORM DRAIN
POWER POLE/GUY	MANHOLE
OVERHEAD POWER	CONTOUR
POWER BOX	—X— FENCE
LIGHT POLE	—UD— 4" UNDER DRAIN
ICV	—SF— SILT FENCE
WATER METER	● INLET PROTECTION
FIRE HYDRANT	○ WATER VALVE
6" W WATER LINE	○ CLEANOUT
WATER SHUTOFF VALVE	S SWALE
WATER VALVE	▨ SLOPE PAVING
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MH STORM MANHOLE	▨ MILL & OVERLAY
SS SANITARY SEWER	
SS SANITARY SEWER MANHOLE	
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FOC FIBER OPTIC CABLE	
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NEW FLEET MANAGEMENT BUILDING

FOR
AIDT
MONTGOMERY, ALABAMA



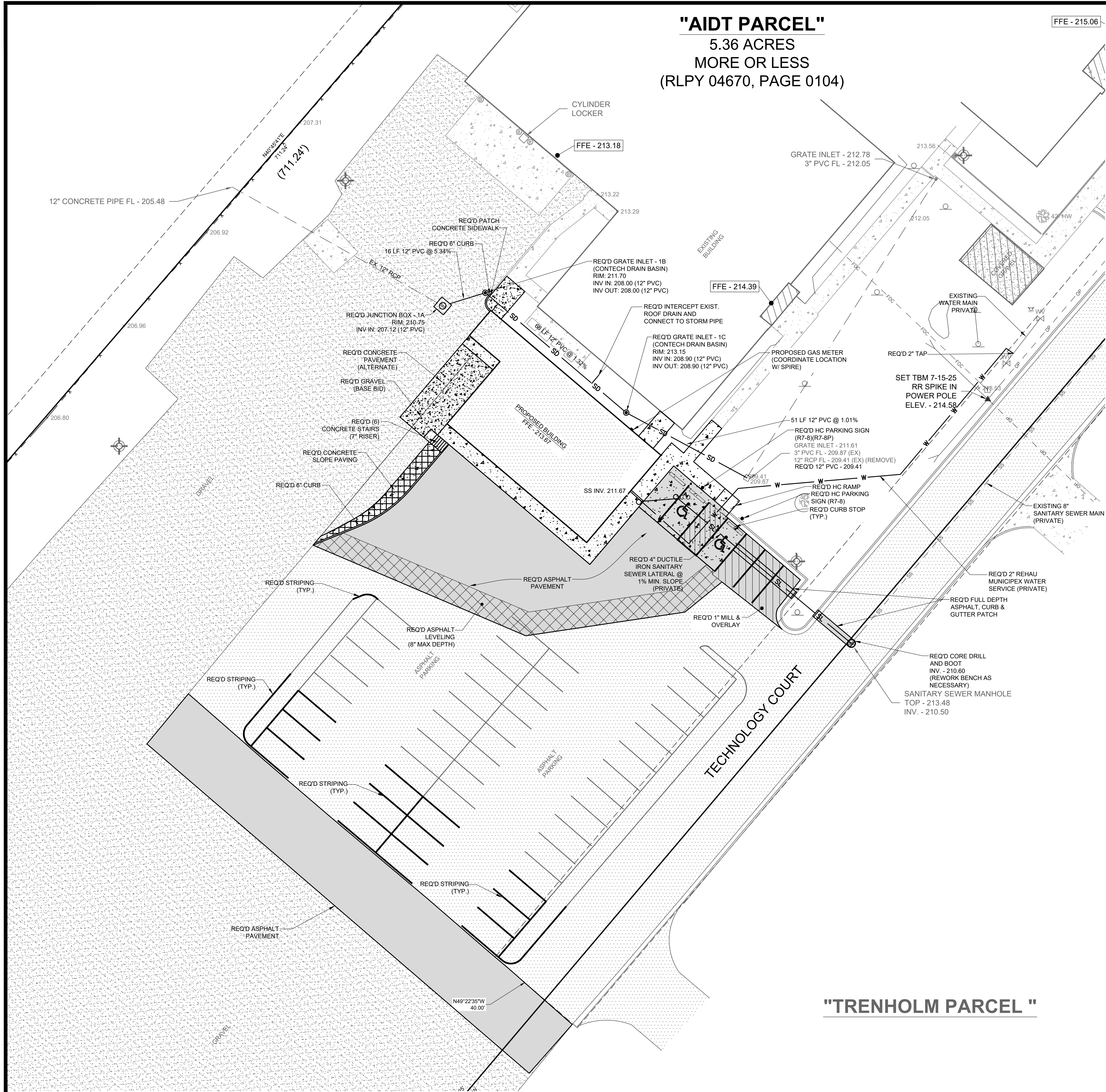
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DATE	8/20/2026	R.T.A.	
REVISED			
REVISED			
SHEET TITLE	EXISTING CONDITIONS & DEMOLITION PLAN		
JOB NO.	PH&J #2502-CUA DCM #2025417		
SEQUENCE NO.	2	OF	39

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Montgomery,
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"AIDT PARCEL"
5.36 ACRES
MORE OR LESS
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CONCRETE	W WATER MAIN
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POWER POLE/GUY	MANHOLE
OVERHEAD POWER	CONTOUR
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ICV	SF SILT FENCE
WATER METER	INLET PROTECTION
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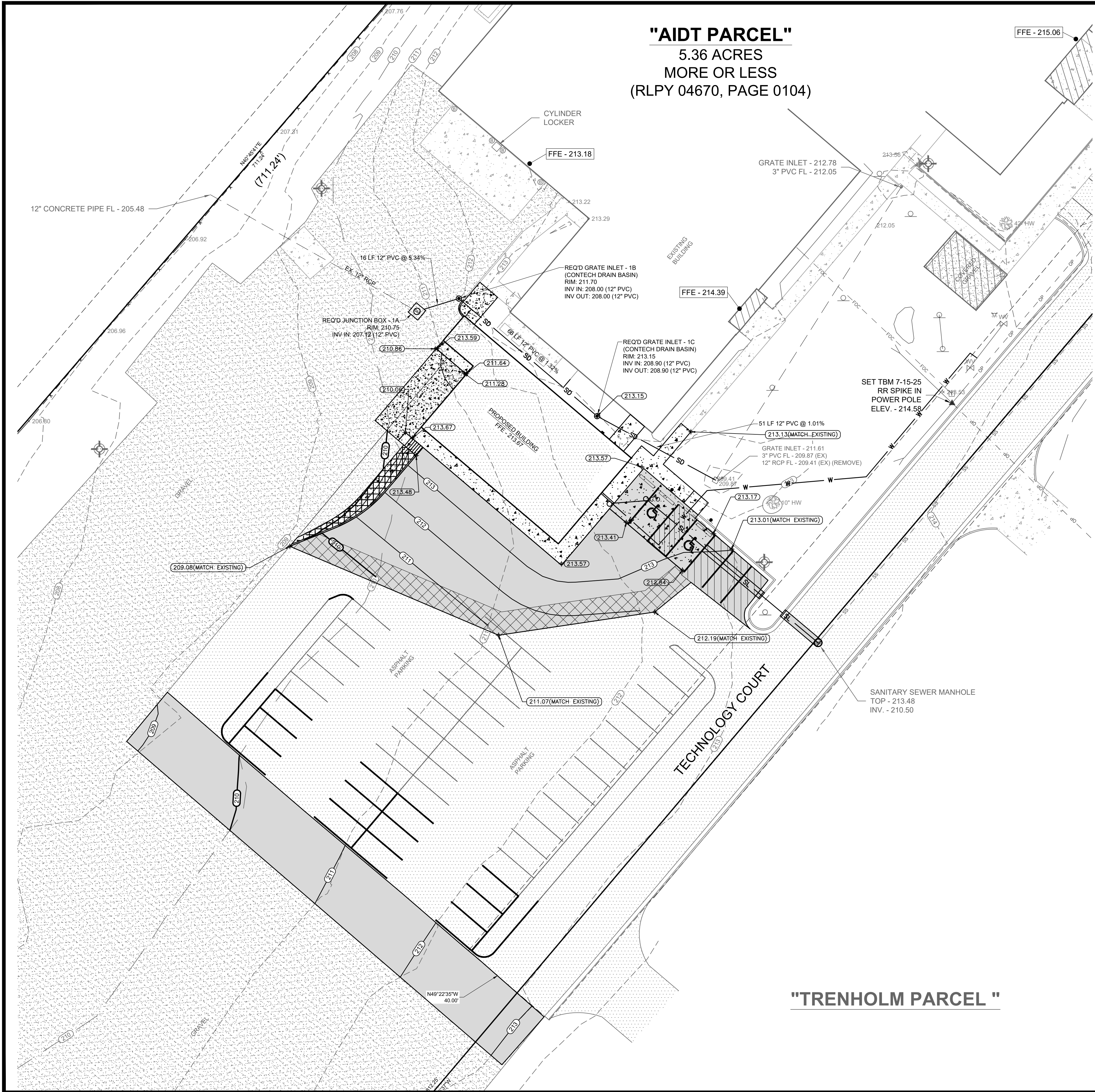
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Montgomery, Alabama

NEW FLEET MANAGEMENT BUILDING FOR AIDT MONTGOMERY, ALABAMA

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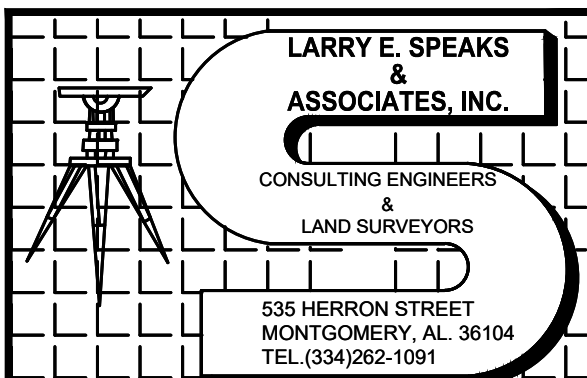
"AIDT PARCEL"
5.36 ACRES
MORE OR LESS
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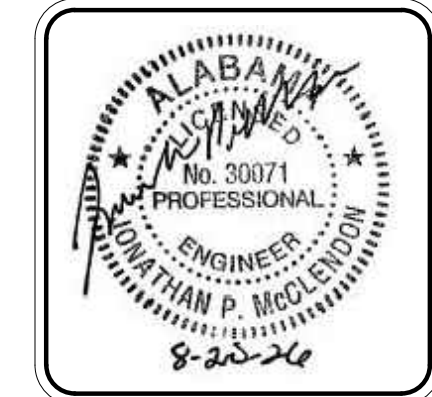
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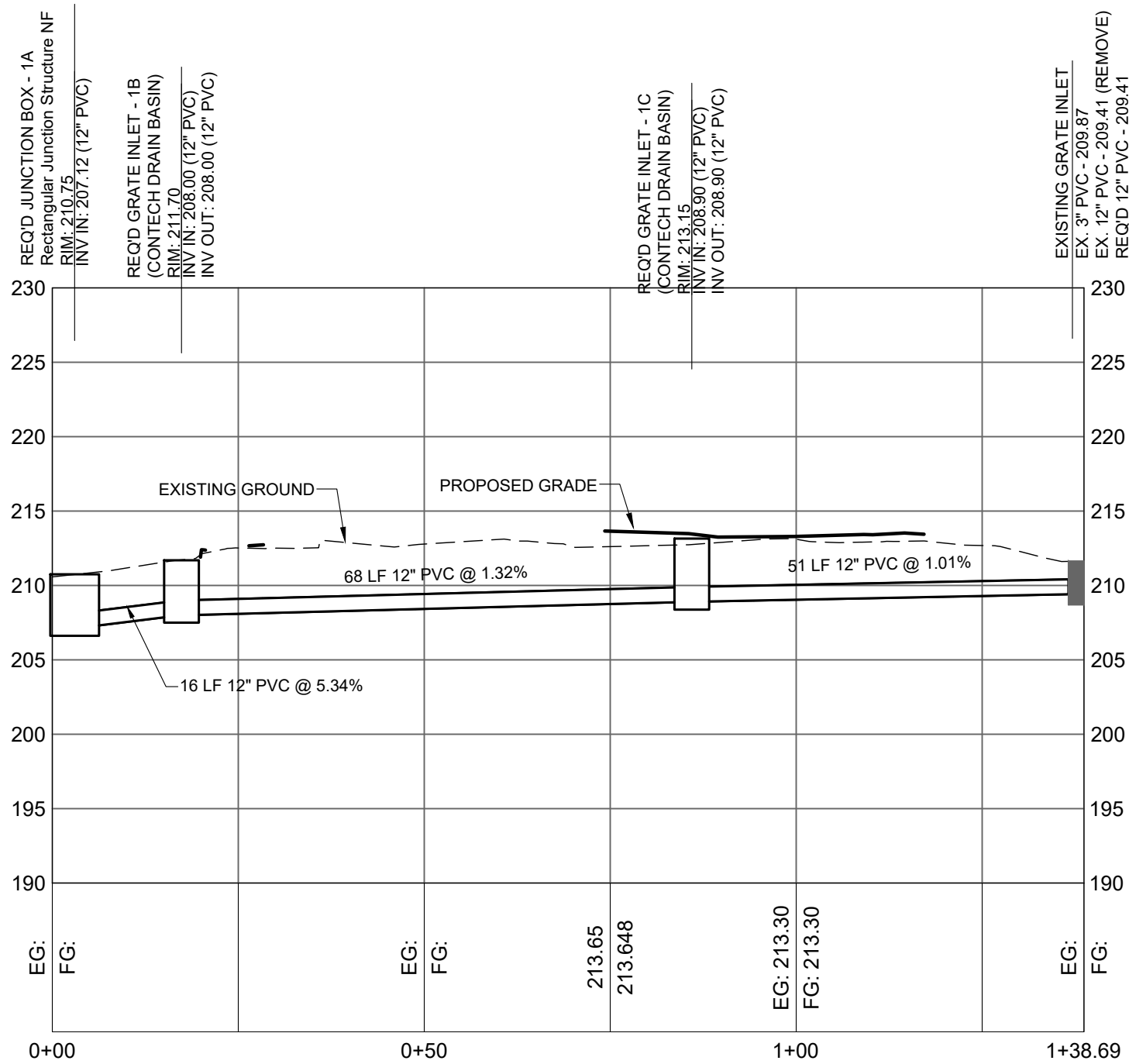
MONTGOMERY, ALABAMA



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DATE	8/20/2026 R.T.A.	
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REVISED		
SHEET TITLE	OVERALL GRADING & BEST MANAGEMENT PRACTICES PLAN	
JOB NO.	PH&J #2502-CUA DCM #2025417	
SEQUENCE	4	OF 39

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C2.0
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architects inc.
Montgomery,
Alabama



HORIZ. SCALE
1" = 20'
VERT. SCALE
1" = 10'

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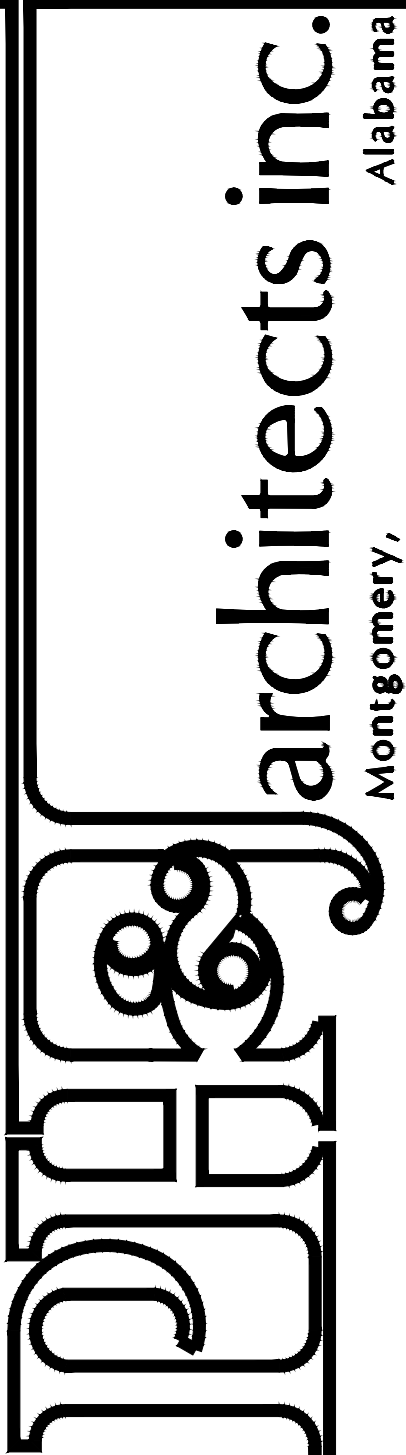


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DATE	8/20/2026 R.T.A.	
REVISED		
REVISED		
SHEET TITLE		
STORM PROFILES		
JOB NO. PH&J #2502-CUA DCM #2025417		
SEQUENCE NO.	5	OF 40

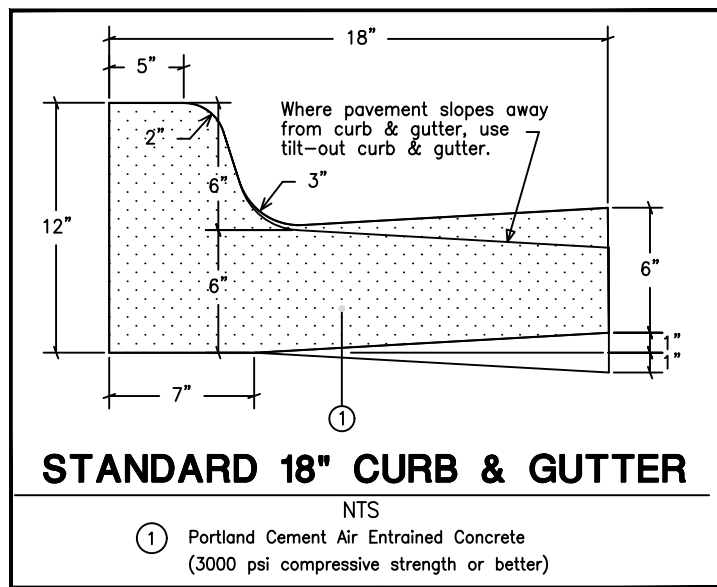
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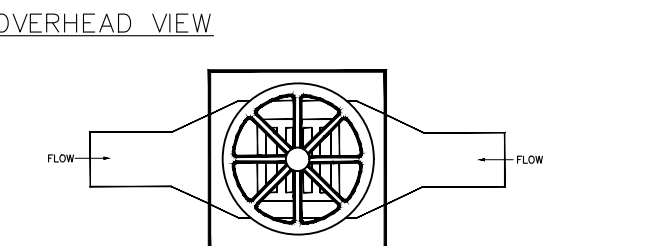
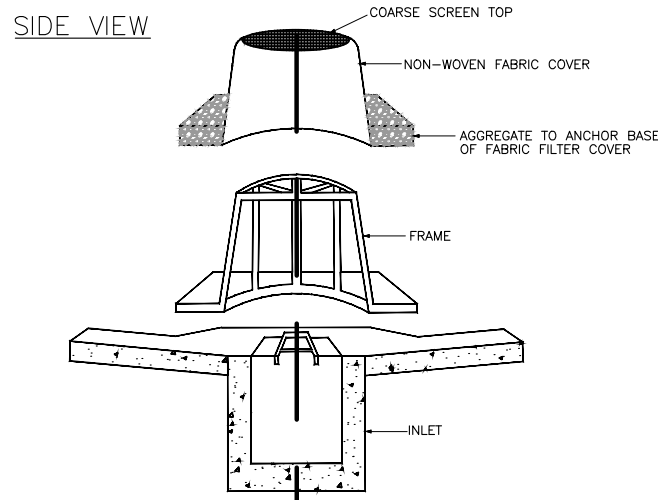


Montgomery, Alabama



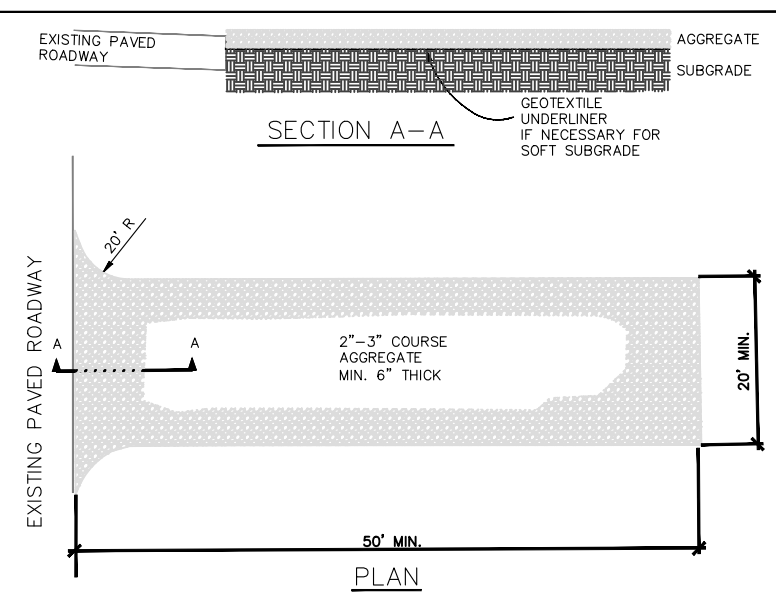
STANDARD 18" CURB & GUTTER

- NTS
① Portland Cement Air Entrained Concrete
(3000 psi compressive strength or better)



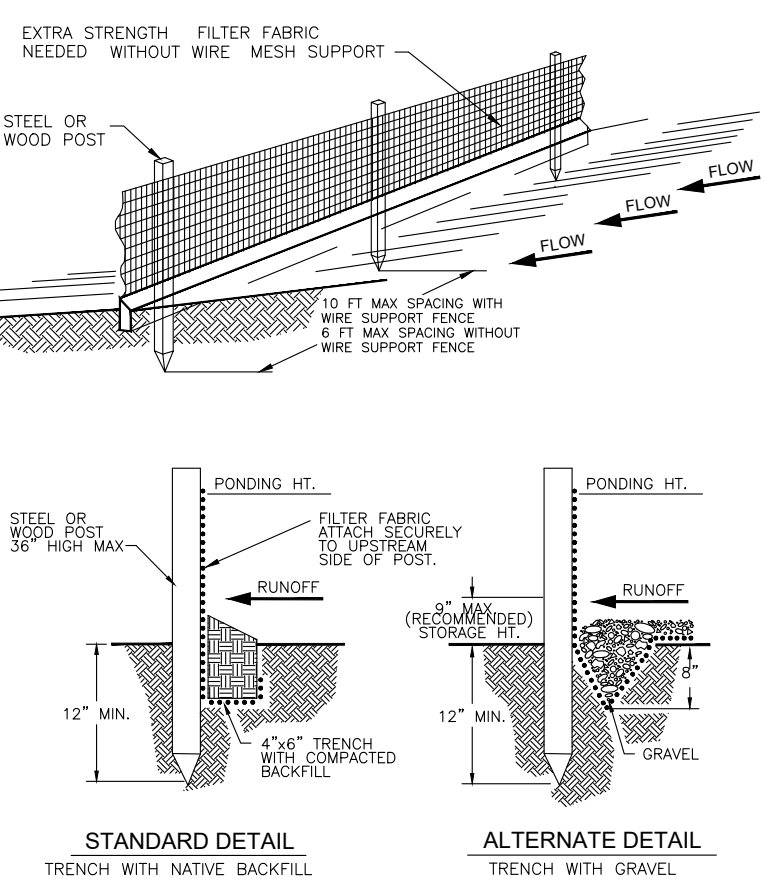
- NOTES:
1. FRAMES WITH SQUARE OR CIRCULAR BASES MAY BE USED.
2. FRAME SHOULD BE FLUSH WITH INLET OR PROVIDE BEST SEAL POSSIBLE. ADD ADDITIONAL STONE IN GAPS IF THEY OCCUR.
3. STONE AROUND BASE IS REQUIRED WHEN INSTALLED IN PAVED AREAS.

SILT SAVER®
INLET PROTECTION



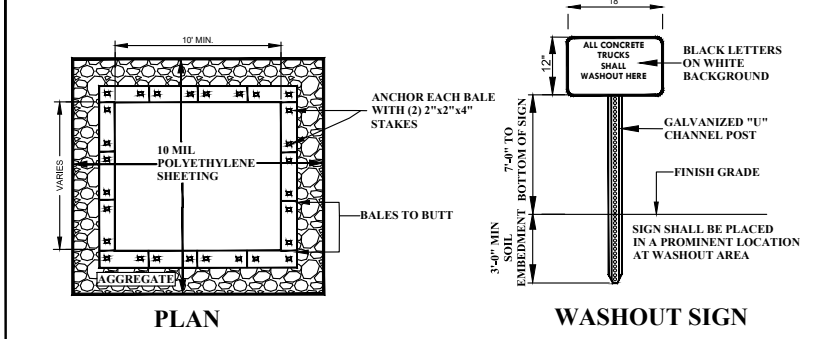
- NOTES:
1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRIPPING OR TIPPING OF VEHICLES. IT SHALL BE KEPT CLEAN AND FREE OF OBSTRUCTIONS. IT SHALL BE REPAIRED WITH CLEAN GRAVEL, REPAIRING RUTS, AND/OR REMOVAL OF SANDS AND DIRT CLODS.
2. AN ALDOT COURSE AGGREGATE NO. 1, OR AN EQUIVALENT IS THE MINIMUM SIZE AGGREGATE RECOMMENDED.
3. IF SOLS UNDER ENTR FENCE ARE SOFT AND/OR WILL NOT SUPPORT TRUCKS, REPAIR WITH AN UNDERLAYMENT OF CLASS IV NON-WOVEN GEOTEXTILE IS REQUIRED.

TEMPORARY GRAVEL
CONSTRUCTION
ENTRANCE/EXIT



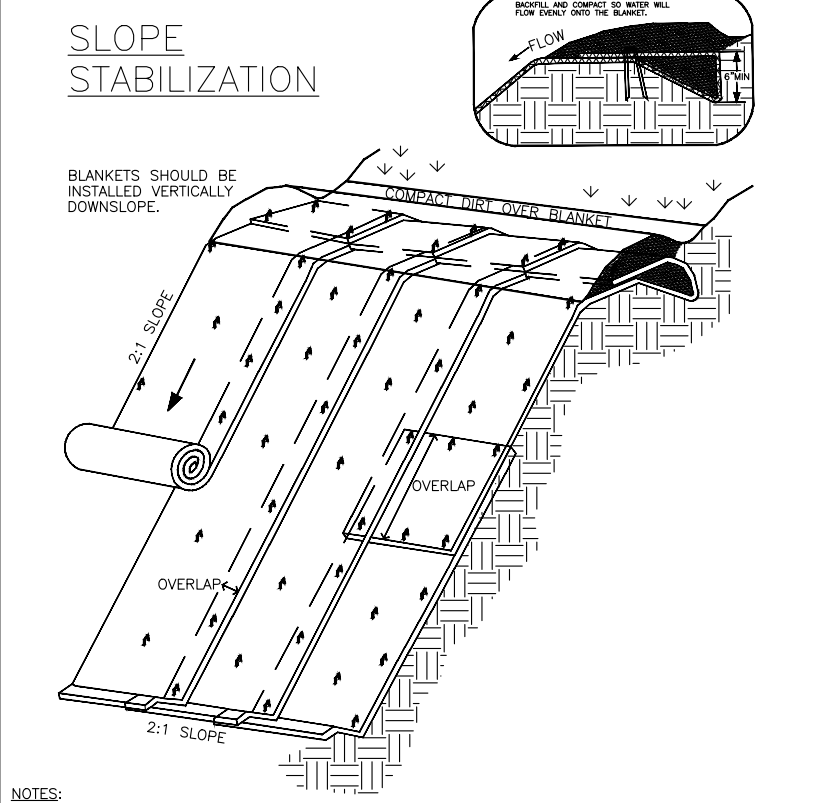
- NOTE:
1. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEGMENT WHEN NECESSARY.
2. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.
3. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.

SILT FENCE



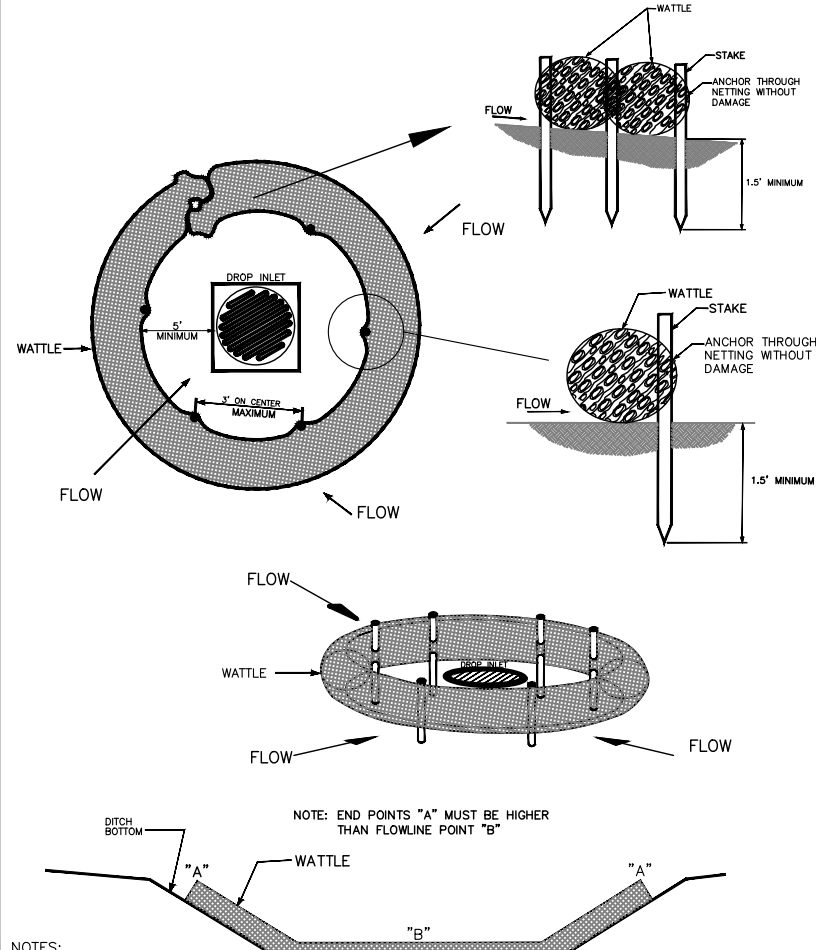
- NOTES:
1. CONTAINMENT MUST BE STRUCTURALLY SOUND AND LEAK-FREE AND CONTAIN ALL LIQUID WASTES.
2. CONTAINMENT DEVICES MUST BE OF SUFFICIENT QUANTITY OR VOLUME TO COMPLETELY CONTAIN THE LIQUID WASTES GENERATED.
3. WASHOUT MUST BE CLEANED OR NEW FACILITIES CONSTRUCTED AND READY TO USE ONCE WASHOUT IS 75% FULL.
4. WASHOUT AREA(S) SHALL BE INSTALLED IN A LOCATION EASILY ACCESSIBLE BY CONCRETE TRUCKS. ONE OR MORE AREAS MAY BE RELOCATED AS CONSTRUCTION PROGRESSES.
5. AT LEAST WEEKLY, REMOVE ACCUMULATION OF SAND AND AGGREGATE AND DISPOSE OF PROPERLY.
6. 4" OF FREEBOARD IS REQUIRED AS A MINIMUM AT ALL TIMES.
7. 4" OF FREEBOARD IS REQUIRED AS A MINIMUM AT ALL TIMES.
8. STAKES ARE USED TO HOLD HAYBALES IN PLACE. DO NOT PUNCTURE THE LINING WITH THE STAKE.

CONCRETE
WASHOUT



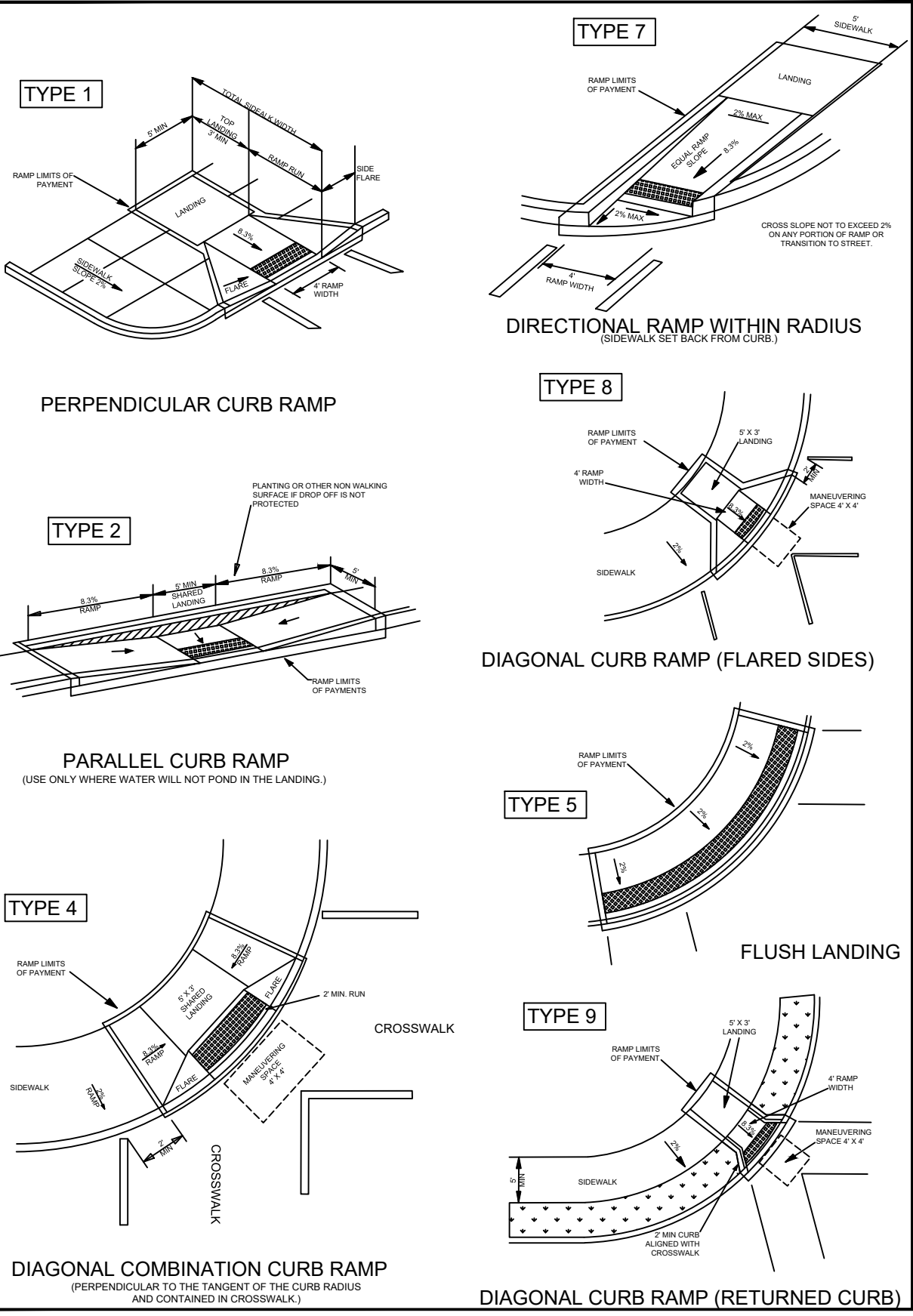
- NOTES:
1. PROTECTIVE COVER MADE OF STRAW, WIFE WOOD, PLASTIC, NYLON, PAPER, OR COTTON.
2. USE TO PROTECT AREAS WITH HIGH EROSION POTENTIAL (I.E. STEEP SLOPES, CHANNELS, ETC) WHILE FACILITATING VEGETATIVE GROWTH.
3. SLOPE MUST BE GRADED TO A SMOOTH UNIFORM SURFACE WITH NO RIBS, ROCKS, CLOSURE HOLES, ETC. CONTINUOUS FIRM CONTACT IS NEEDED WITH THE SOIL SURFACE.
4. INSTALL BLANKETS ACCORDING TO MANUFACTURER'S RECOMMENDATIONS, ESPECIALLY FOR CHECK SLOPES, OVERLAP WIDTHS, AND STAPLING PATTERNS.
5. AFTER RAIN EVENTS, CHECK FOR EROSION AND UNDERMINING. REPAIR BLANKETS, REPAIR BY FILLING ERODED AREA, SEEDING AND REPLACING DAMAGED BLANKETS.

EROSION CONTROL
BLANKET



- NOTES:
1. ANCHORING STAKES SHALL BE SET, SPACED, AND BE OF A MATERIAL THAT EFFECTIVELY SECURES THE WATTLE. STAKE SPACING SHALL BE A MAXIMUM OF 3 FEET.
2. OVERLAP ENDS OF WATTLES PER MANUFACTURER'S RECOMMENDATIONS.
3. TRENCHING OF WATTLES MAY BE NECESSARY IF PIPING OCCURS.

WATTLES:
INLET PROTECTION
& DITCH CHECKS



PERPENDICULAR CURB RAMP

PARALLEL CURB RAMP
(USE ONLY WHERE WATER WILL NOT POND IN THE LANDING)

DIAGONAL CURB RAMP (FLARED SIDES)

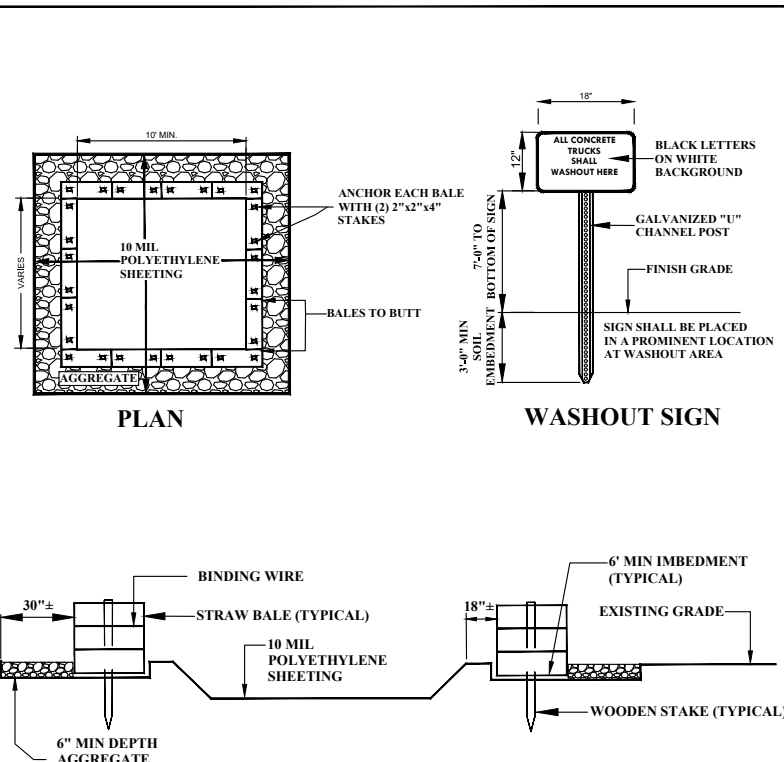
DIAGONAL COMBINATION CURB RAMP
(PERPENDICULAR TO THE TANGENT OF THE CURB RADIUS AND CONTAINED IN CROSSWALK)

DIRECTIONAL RAMP WITHIN RADIUS
(SIDEWALK SET BACK FROM CURB)

DIAGONAL CURB RAMP (RETURNED CURB)

FLUSH LANDING

DIAGONAL CURB RAMP (RETURNED CURB)

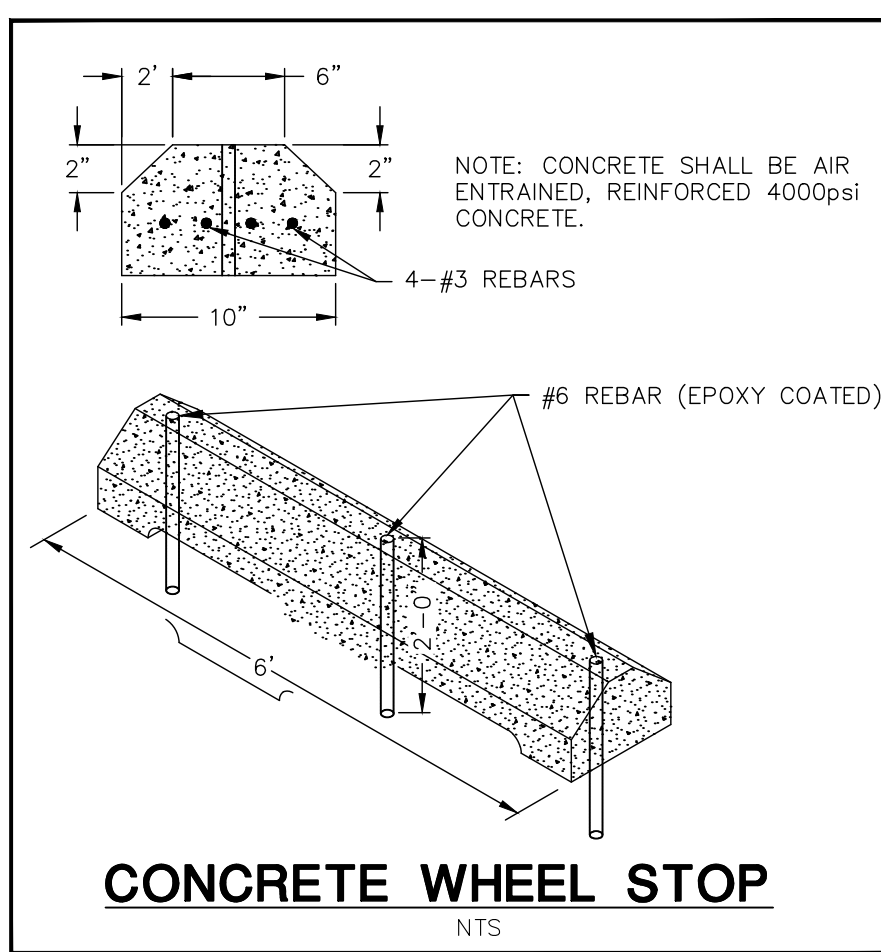


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8. STAKES ARE USED TO HOLD HAYBALES IN PLACE. DO NOT PUNCTURE THE LINING WITH THE STAKE.

CONCRETE
WASHOUT

GENERAL NOTES

1. The Contractor shall be responsible for planning, coordinating and performing the work of protecting the project and the adjoining properties from soil erosion and siltation by constructing berms, silt fences, diversion ditches, settling basins, etc., as they become necessary to correct or prevent such problems (No direct payment unless noted otherwise).
2. Erosion of this site shall be controlled as follows:
1. Selective disturbance of the site will minimize possible erosion.
2. Diversion ditches & berms shall be placed around the site as needed to divert water away from the area of actual construction.
3. Techniques such as the use of haybales, silt fence, check dams, gravel filter berms, terraces, etc.
4. A settling basin may serve as a final method of preventing eroded material from leaving the site if necessary.
3. Should the Contractor fail to implement the necessary measures to control siltation /erosion on the site all construction activities shall be stopped until the appropriate measures are taken as directed by the Engineer or Local Authorities.
4. To maintain erosion control measures the Contractor shall:
1. Inspect all control measures at least once each week and following any storm event of 0.5 inches or more.
2. Repair any defects noted within 24 hours of report.
3. Sediment buildup shall be closely monitored at silt fences, sediment basins, etc. and removed accordingly.
4. Diversion ditches and berms shall be inspected and repaired as necessary.
5. Temporary and permanent seeding and planting areas will be inspected for bare spots, washouts & healthy growth.



CONCRETE WHEEL STOP

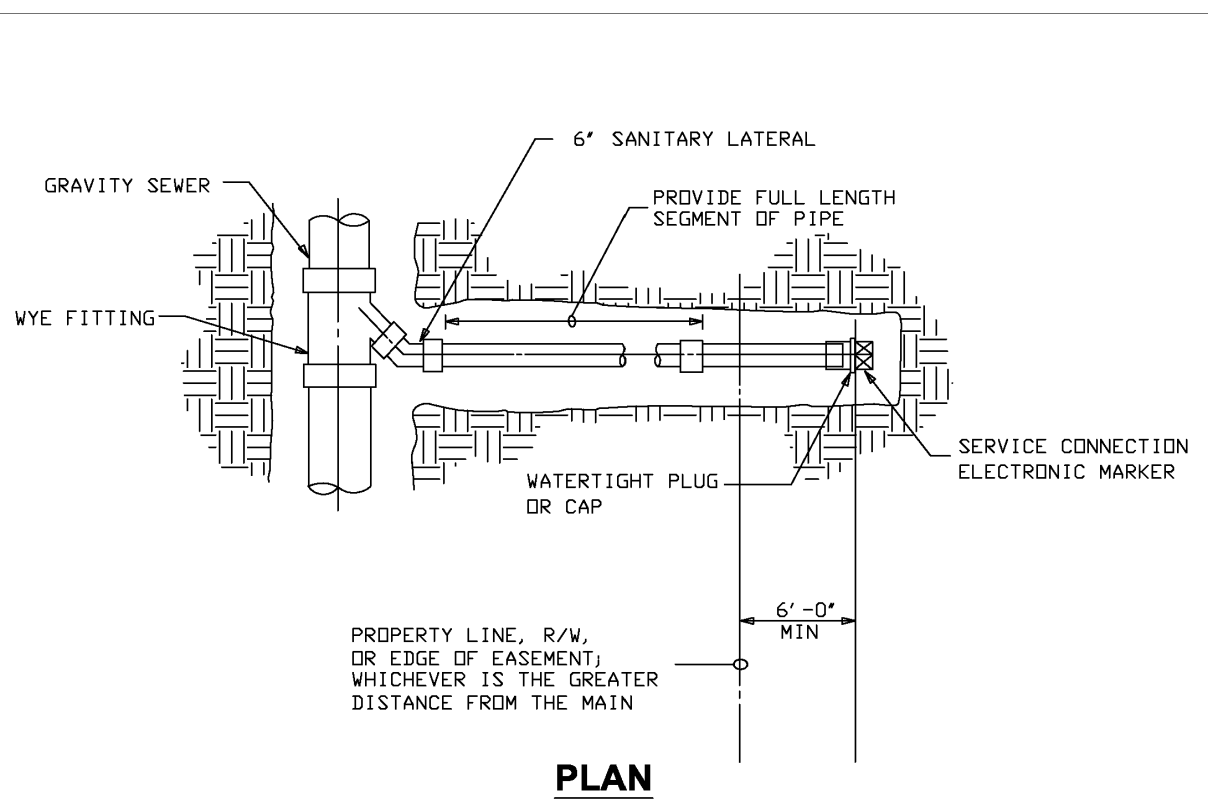
NTS

ACCESSIBLE PARKING
SIGN DETAIL

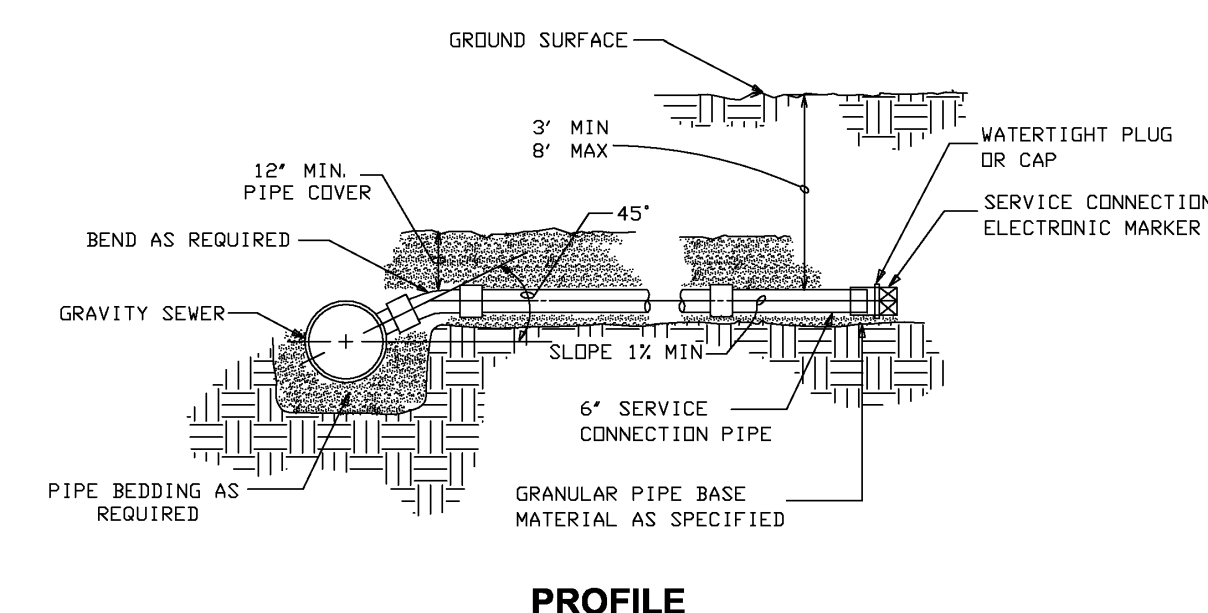
- NOTE: PROVIDE ADDITIONAL "VAN ACCESSIBLE" SIGNAGE AT LOCATIONS REQUIRED BY CODE AND/OR INDICATED ON DRAWINGS.

PIPE SHALL BE 2"x2" POSTS WITH CAP (NOT METAL CHANNEL)

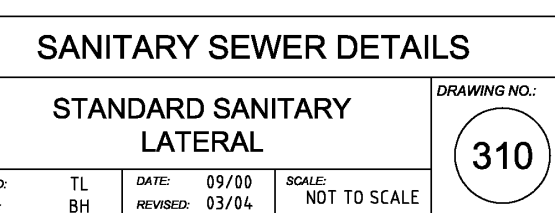
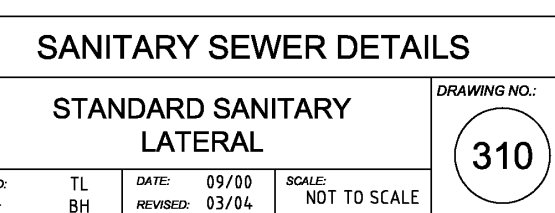
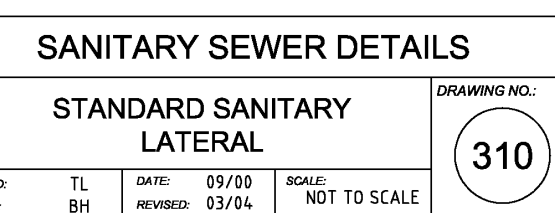
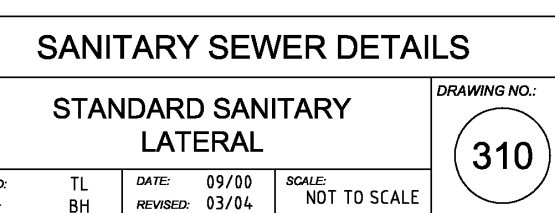
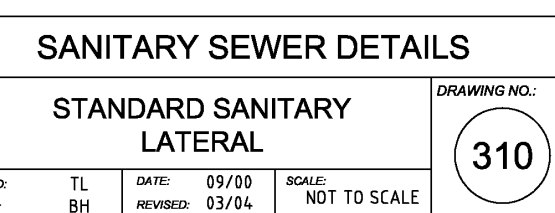
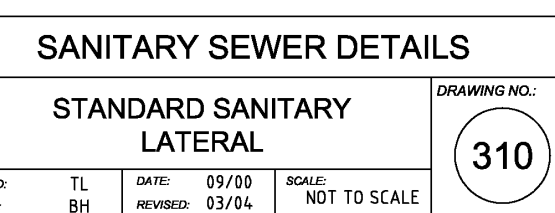
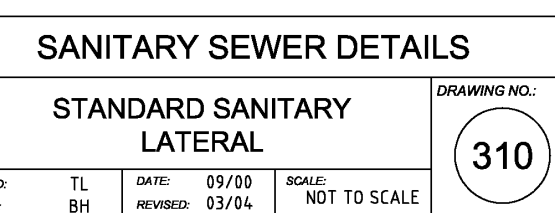
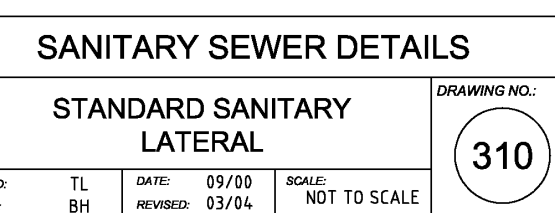
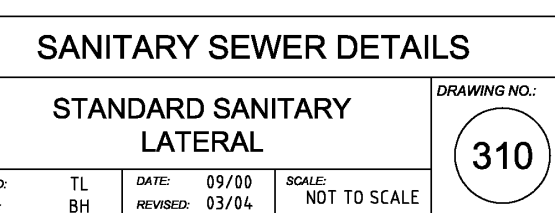
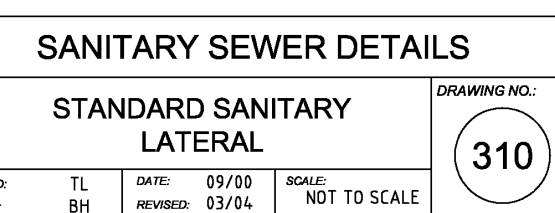
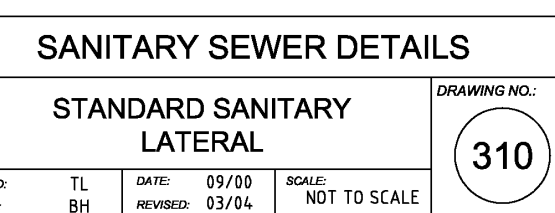
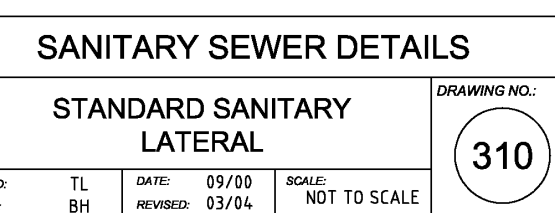
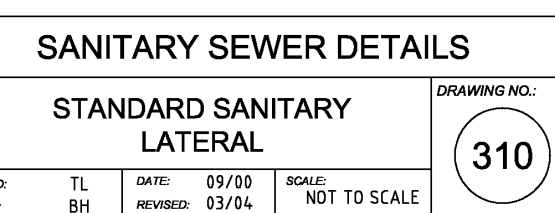
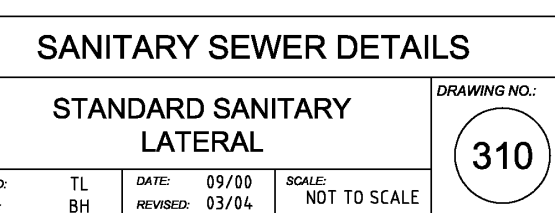
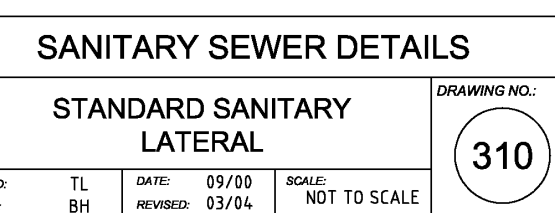
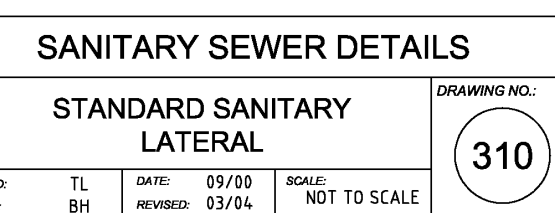
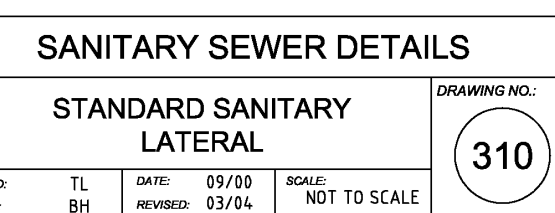
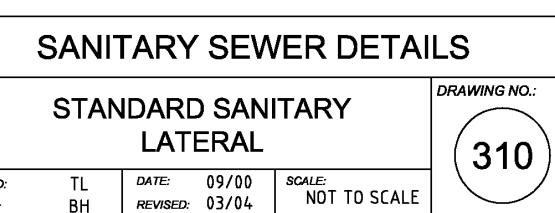
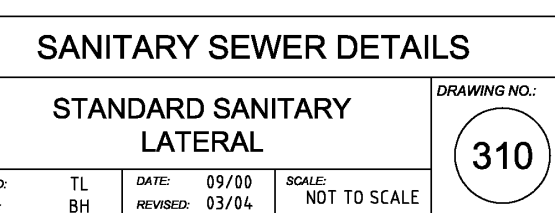
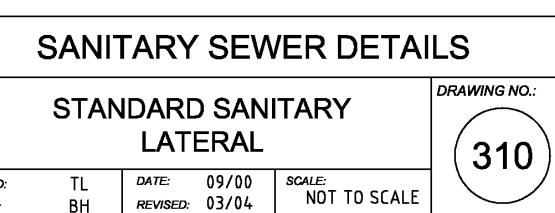
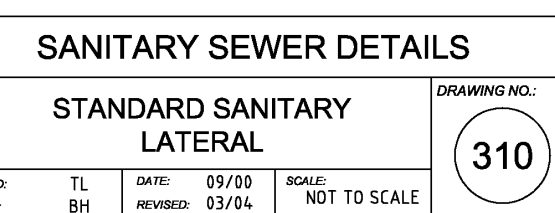
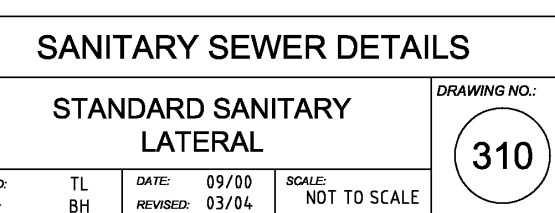
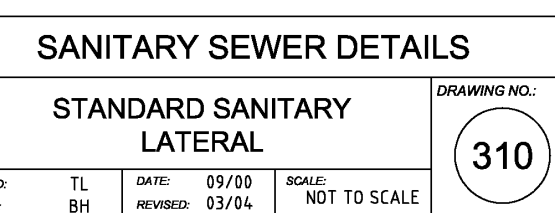
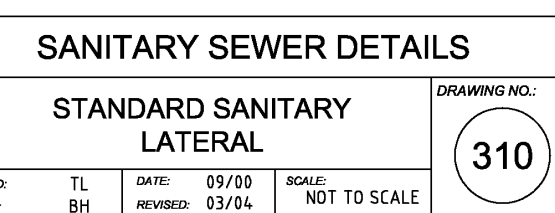
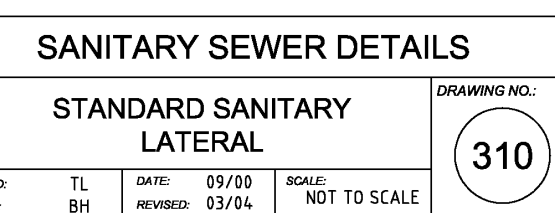
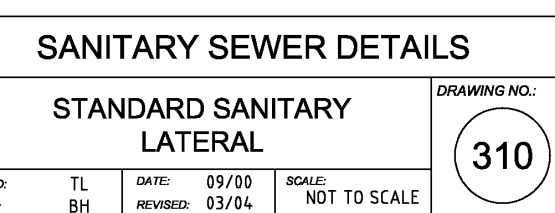
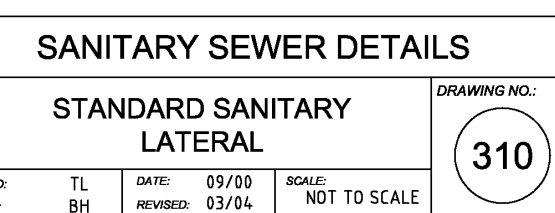
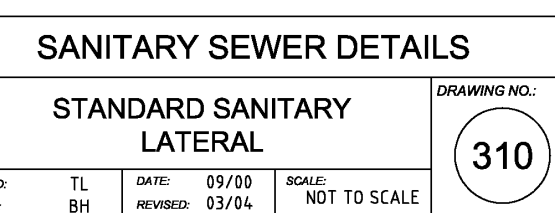
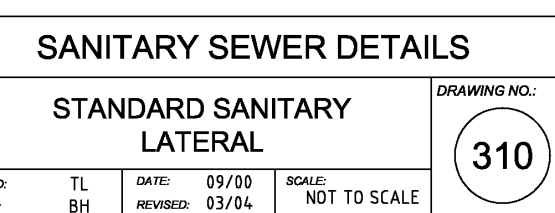
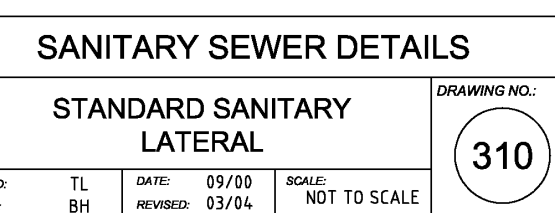
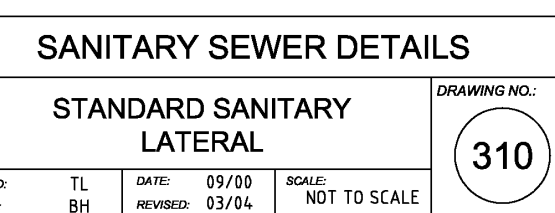
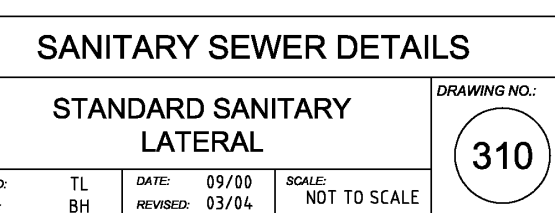
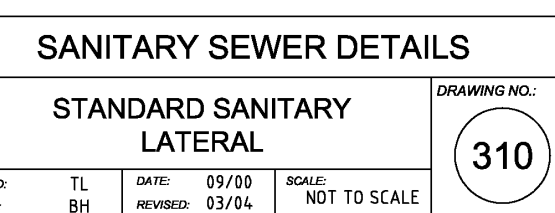
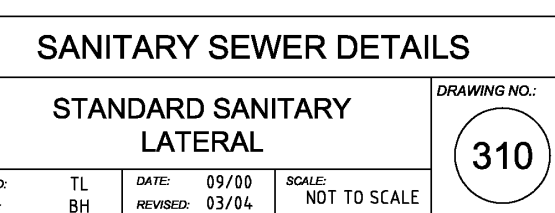
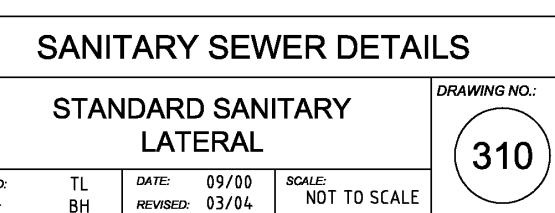
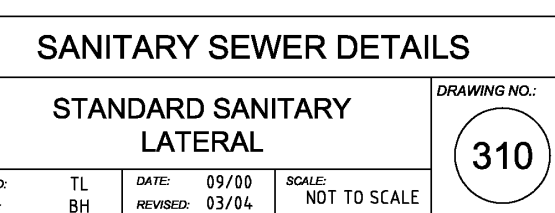
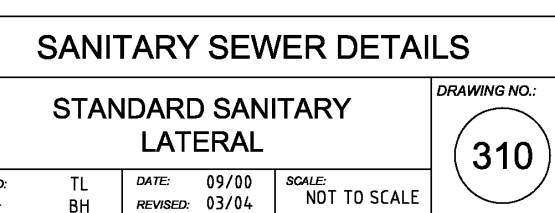
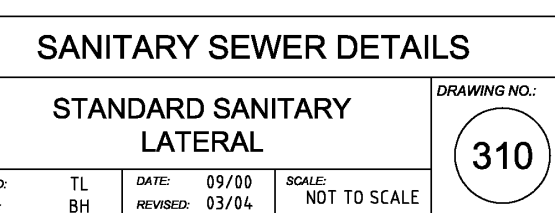
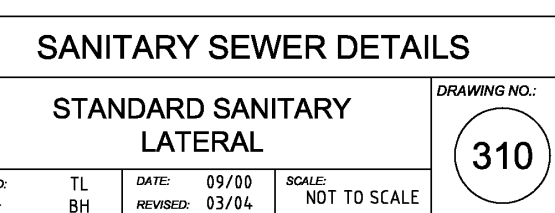
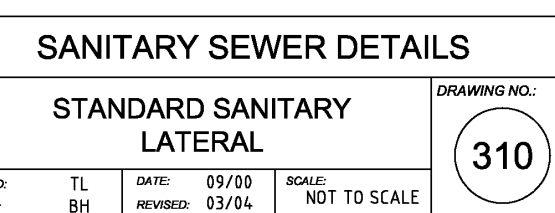
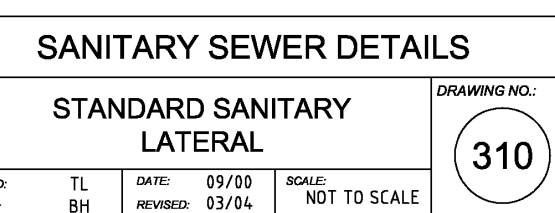
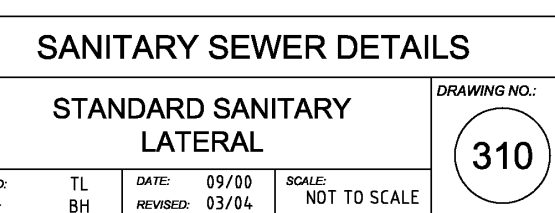
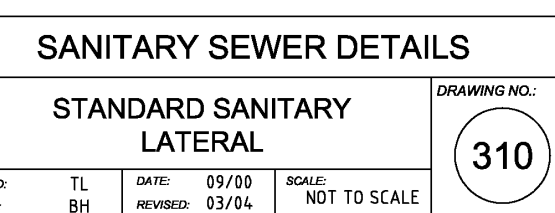
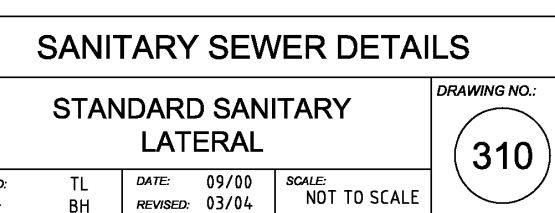
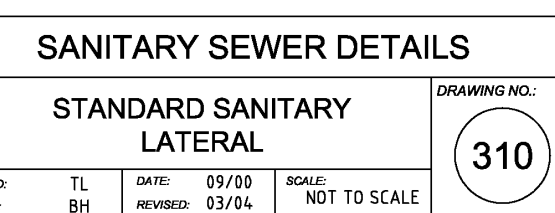
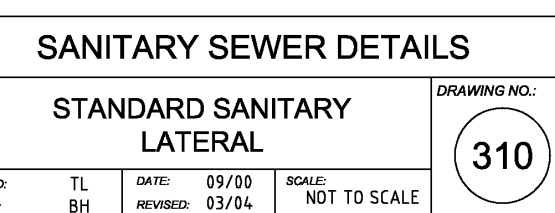
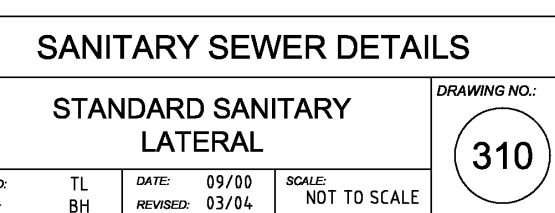
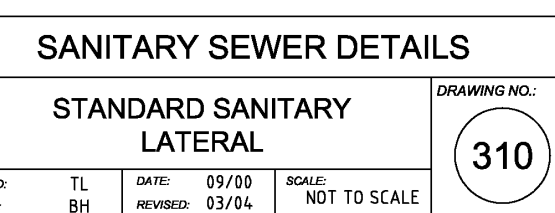
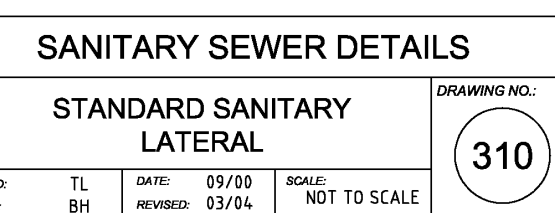
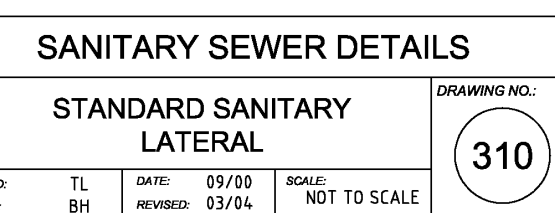
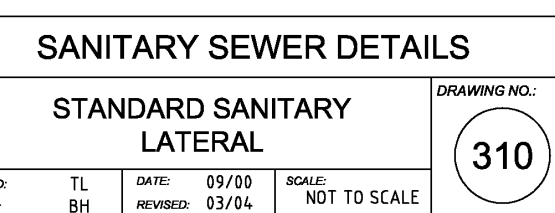
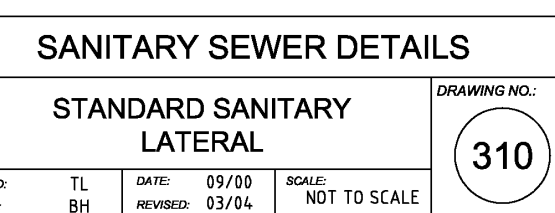
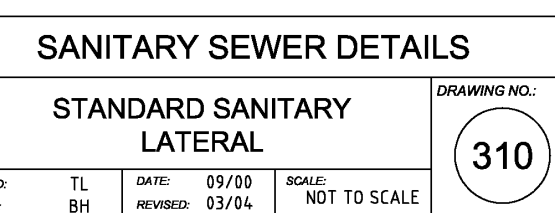
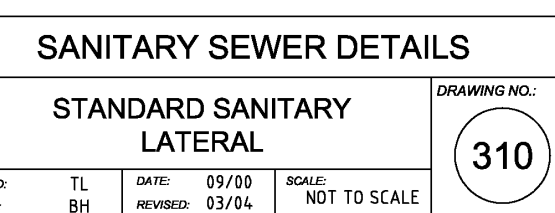
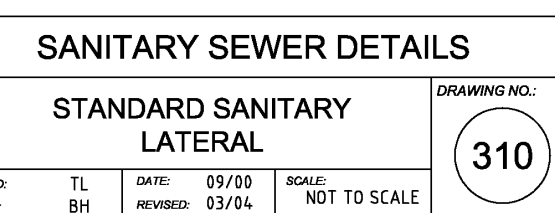
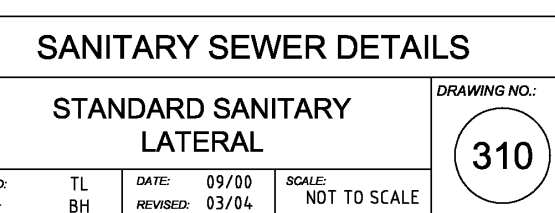
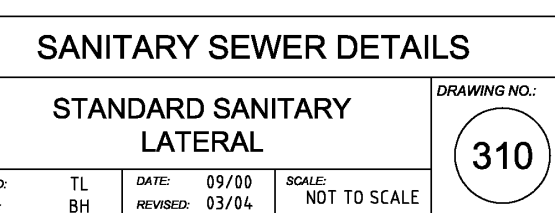
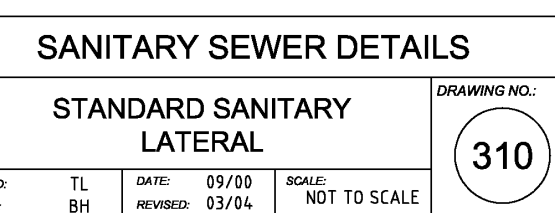
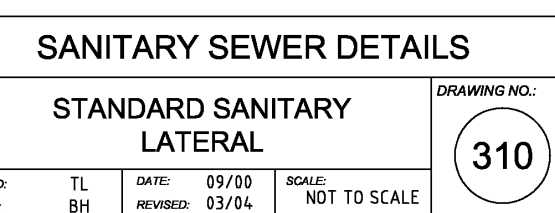
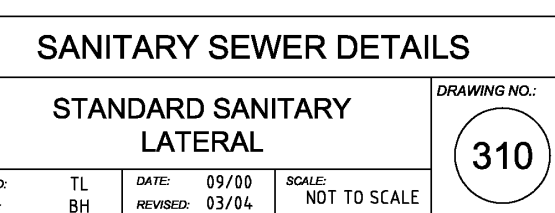
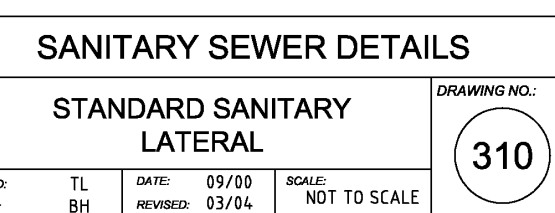
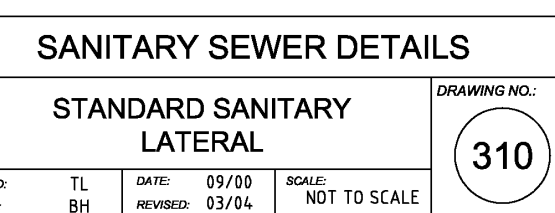
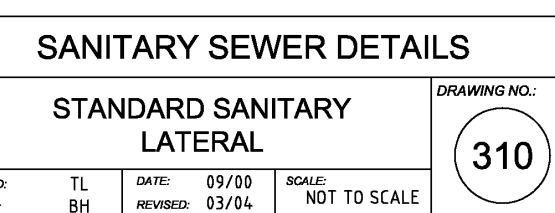
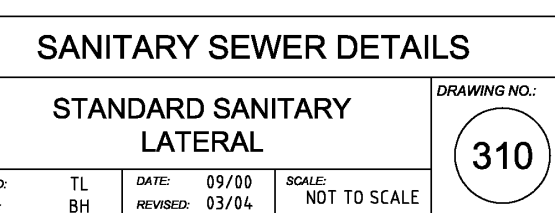
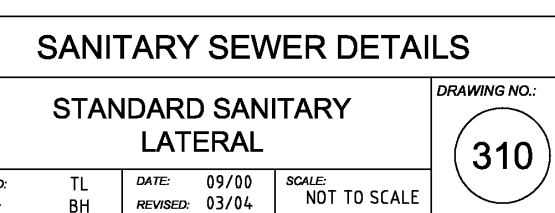
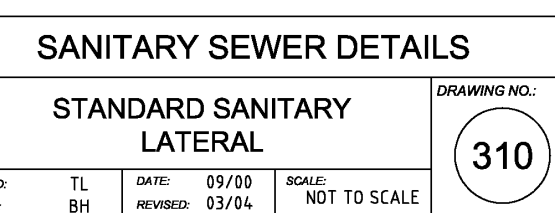
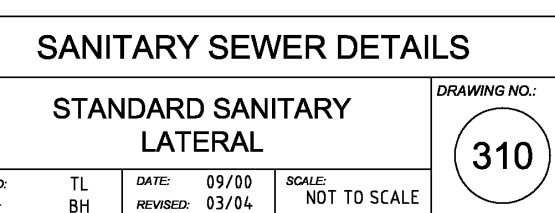
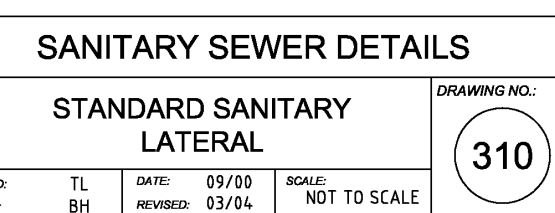
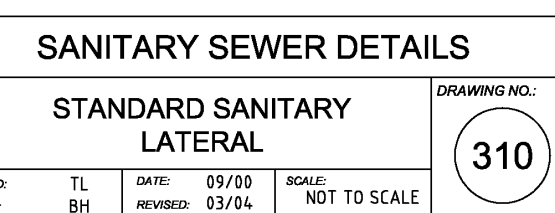
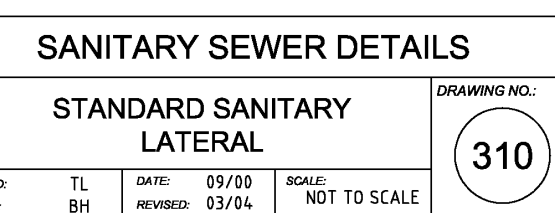
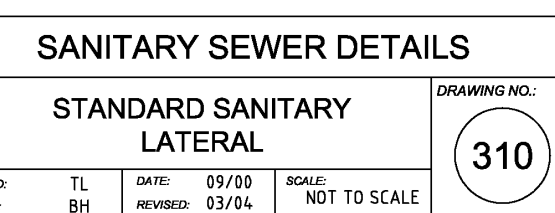
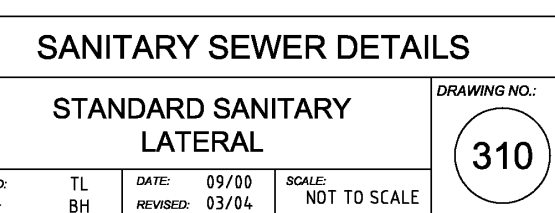
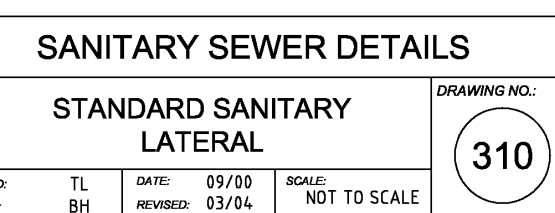
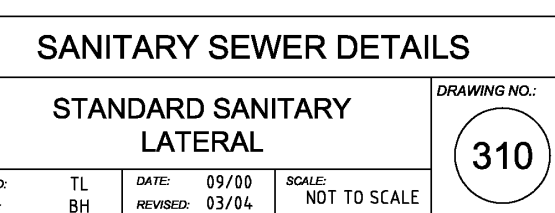
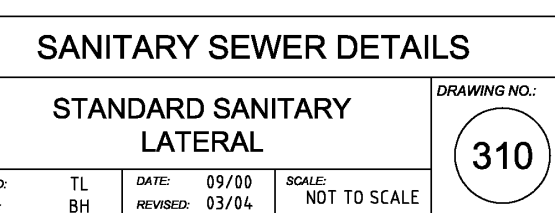
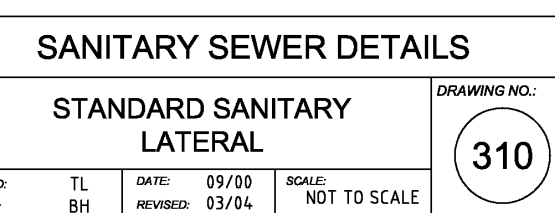
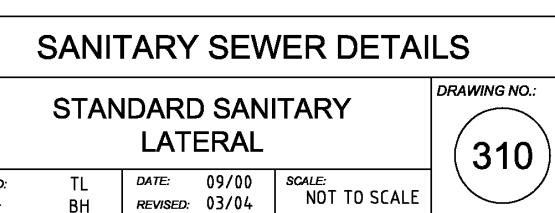
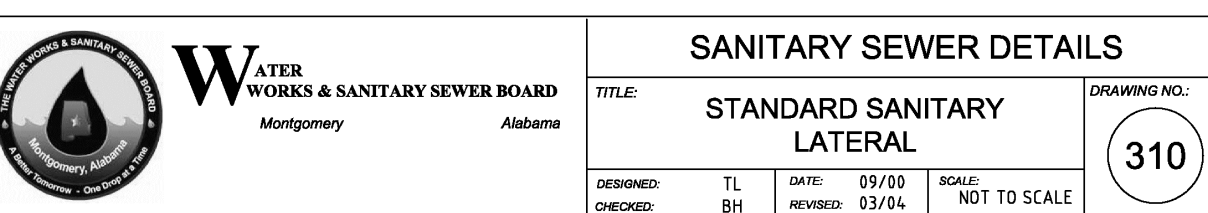
FINISH GRADE



PLAN



PROFILE



CODE STUDY

CODES USED:
IBC 2021
IPC 2021
IMC 2021
NEC 2020
ADA 2010 STANDARDS

CHAPTER 3 - OCCUPANCY

304.1 OCCUPANCY: BUSINESS (B)

311.2 OCCUPANCY: STORAGE (S-1)

CHAPTER 5 - BUILDING HEIGHT AND AREA

TABLE 504.3 AND 504.4: ALLOWABLE BUILDING HEIGHTS TYPE IIIB, NON-SPRINKLERED
BUSINESS = 55', 3 STORY
STORAGE (S-1) = 55', 2 STORY
MEAN ROOF HEIGHT OF BUILDING: **16'-9"** & ONE(1) STORY

TABLE 506.2 ALLOWABLE AREA TYPE IIIB, NON-SPRINKLERED
BUSINESS = 19,000 SF
STORAGE (S-1) = 17,500 SF

ACTUAL BUILDING AREA = 3073 SF
BUSINESS AREA = 1155 SF
STORAGE (S-1) AREA = 1890 SF

SECTION 508 MIXED USE OCCUPANCY

508.3 NONSEPARATED USES

508.3.2 ALLOWABLE HEIGHT AND AREA SHALL BE BASED ON THE MOST RESTRICTIVE ALLOWANCES FOR THE OCCUPANCY GROUPS UNDER CONSIDERATION

MAXIMUM ALLOWABLE HEIGHT = 55' AND 2 STORY
MAXIMUM ALLOWABLE AREA = 19,000 SF

CHAPTER 6 - CONSTRUCTION TYPES

TABLE 601 - FIRE RESISTANCE RATING OF STRUCTURAL ELEMENTS
CONSTRUCTION TYPE: IIIB

PRIMARY FRAME	0 HR
BEARING EXTERIOR WALLS	2 HR
BEARING INTERIOR WALLS	0 HR
NON BEARING EXTERIOR WALLS	0 HR (SECTION 705.5)
NON BEARING INTERIOR WALLS	0 HR
FLOOR CONSTRUCTION	0 HR
ROOF CONSTRUCTION	0 HR

CHAPTER 7 - FIRE & SMOKE PROTECTION

TABLE 705.5 FIRE RESISTANCE RATING REQUIREMENTS FOR EXTERIOR WALLS

DISTANCE	TYPE OF CONSTRUCTION	OCCUPANCY
10 ≤ X < 30	IIIB	Group B 1hr

TABLE 706.4 FIRE WALL FIRE RESISTANCE

OCCUPANCY	RATING
B	3 HR

SECTION 713 SHAFT ENCLOSURES
713.4 FIRE RESISTANCE RATING
SHAFT ENCLOSURES SHALL HAVE A FIRE RESISTANCE RATING OF NOT LESS THAN 1 HOUR WHERE CONNECTING LESS THAN FOUR STORIES

TABLE 716.1(2) OPENING PROTECTION ASSEMBLIES: N/A

SECTION 720.2 CONCEALED INSULATION: FLAME SPREAD < 25 AND SMOKE DEVELOPMENT < 450.

CHAPTER 8 - INTERIOR FINISHES

OCCUPANCY	EXITS	CORRIDOR	ROOMS
BUSINESS	A	B	C
STORAGE	B	B	C

CHAPTER 9 - FIRE PROTECTION SYSTEMS

FIGURE 903.2 OCCUPANCY RELATED SPRINKLER THRESHOLD N/A

SECTION 906 PORTABLE FIRE EXTINGUISHERS
PORTABLE FIRE EXTINGUISHERS SHALL BE LOCATED PER IFC.

SECTION 907 MANUAL FIRE ALARM - NOT REQUIRED

TABLE 1004.1.1 MAXIMUM FLOOR ALLOWANCES PER OCCUPANT
BUSINESS 1143 SF @ 150 GROSS = 8 PERSONS
STORAGE 1930 SF @ 300 GROSS = 7 PERSONS
TOTAL OCCUPANT LOAD = 15 PERSONS

SECTION 1005.3.2 OTHER EGRESS COMPONENTS
THE CAPACITY, IN INCHES, OF MEANS OF EGRESS COMPONENTS OTHER THAN STAIRWAYS SHALL BE CALCULATED BY MULTIPLYING THE OCCUPANT LOAD OF 15 BY A MEANS OF EGRESS CAPACITY FACTOR OF 0.2 INCH PER OCCUPANT = 3" REQUIRED; 68" PROVIDED

TABLE 1017.2 EXIT ACCESS TRAVEL DISTANCE MEASUREMENT
OCCUPANCY DISTANCE WITHOUT SPRINKLERS
B 200'

TABLE 1020.2 CORRIDOR FIRE-RESISTANCE RATING
OCCUPANCY CORRIDOR LOAD REQUIRED FIRE RATING (HRS)
B X > 30 1

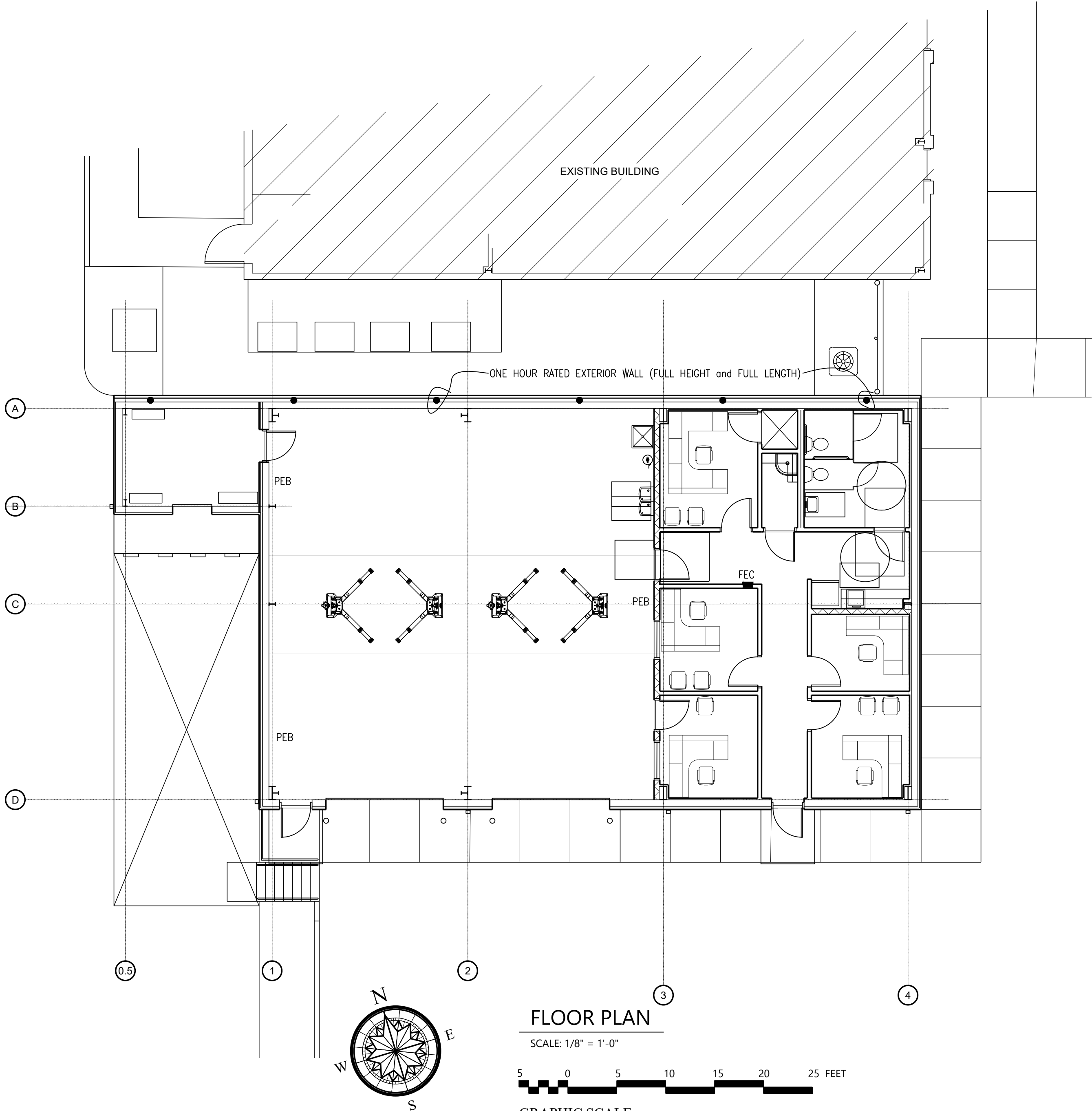
TABLE 1020.3 MINIMUM CORRIDOR WIDTH - 44"

2902.1 MINIMUM NUMBER OF REQUIRED PLUMBING FIXTURES

BUSINESS = 8 PERSONS
W/C 1:25 = 1.32
LAVS 1:40 = 1.2
EWC 1:100 = 0.08
SERVICE SINK 0

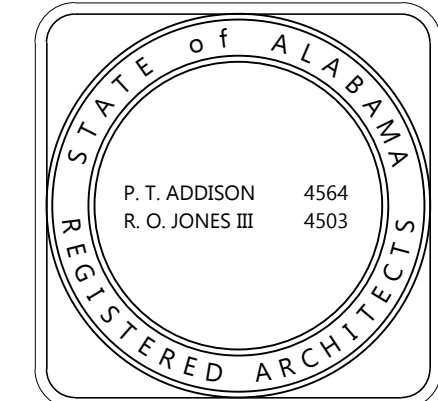
STORAGE (S-1) = 7 PERSONS
W/C 1:100 = 0.07
LAVS 1:100 = 0.07
EWC 1:1000 = 0.007
SERVICE SINK 1

TOTAL W/C = 1.39 ∴ 2 REQUIRED AND 2 PROVIDED
TOTAL LAVS = 1.27 ∴ 2 REQUIRED AND 2 PROVIDED
TOTAL EWC = 0.087 ∴ 1 REQUIRED AND 2 PROVIDED
TOTAL SERVICE SINK = 1 ∴ 1 REQUIRED AND 1 PROVIDED



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DRAWN	HW	CHECK	HW/PA
DATE	8/20/2026 R.T.A.		
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REVISED			
SHEET TITLE	LIFE SAFETY PLAN		
JOB NO.	PH&J #2502-CUA DCM #2025417		
SEQUENCE NO.	7	OF	39

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LS-1
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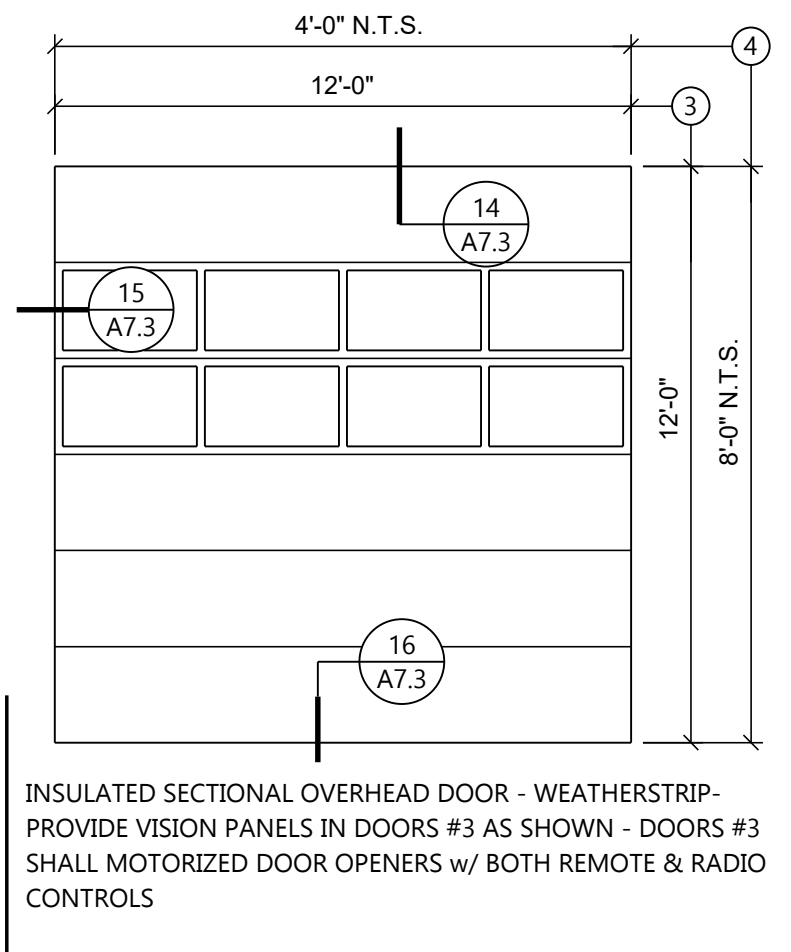
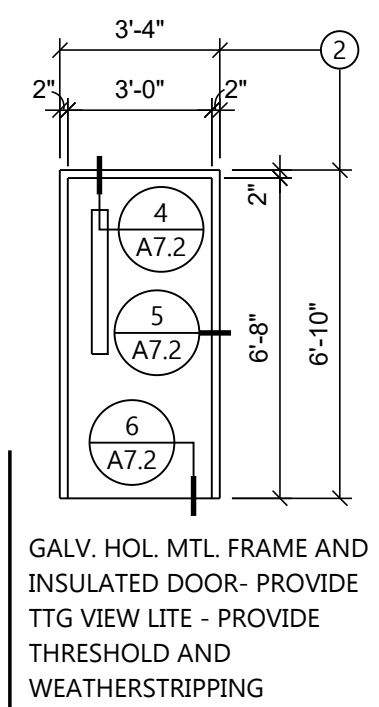
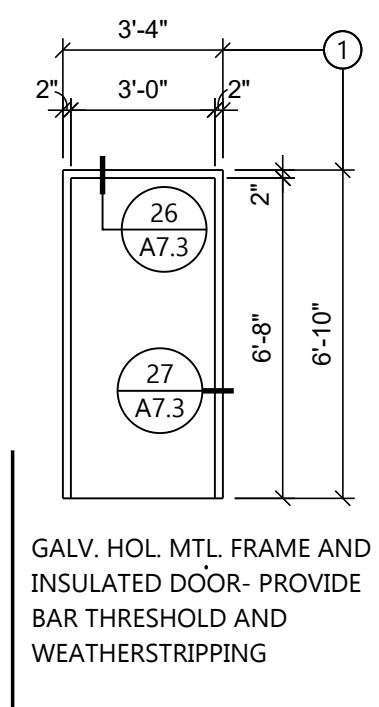
GENERAL AND SPECIAL NOTES

- ABBREVIATIONS EMPLOYED ARE NOTED IN FRONT OF SPECIFICATIONS.
- DIMENSIONS ON PLANS ARE NOMINAL; VERIFY EXACT WIDTH OF OPENINGS, PIERS, ETC. FROM DETAILS AND SCHEDULES.
- WITHIN PRACTICAL LIMITS, ALL FINISH FLOOR SURFACES SHALL ALIGN.
- BUILD IN OPENINGS FOR PIPES AND DUCTS.
- UNLESS DIMENSIONED, LOCATE DOOR OPENINGS AND OTHER ITEMS BY SCALE.

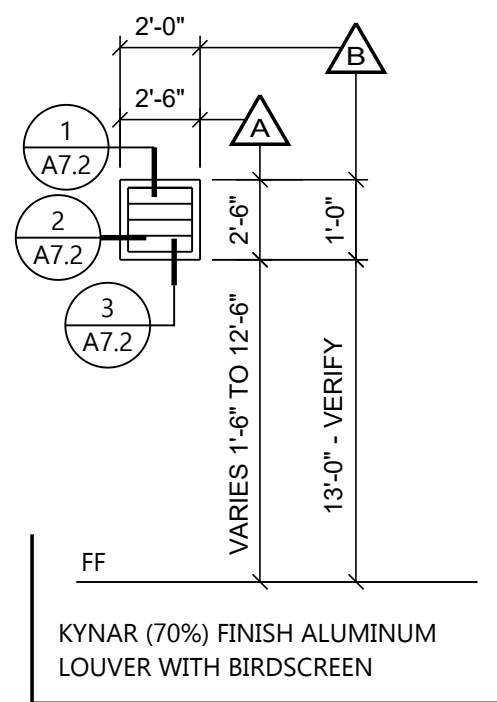
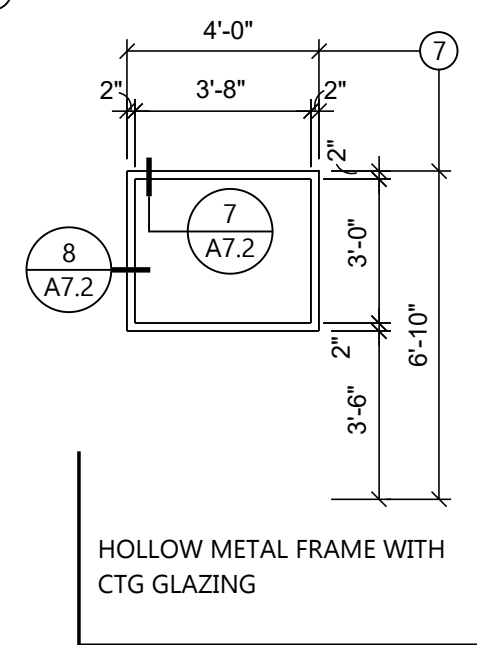
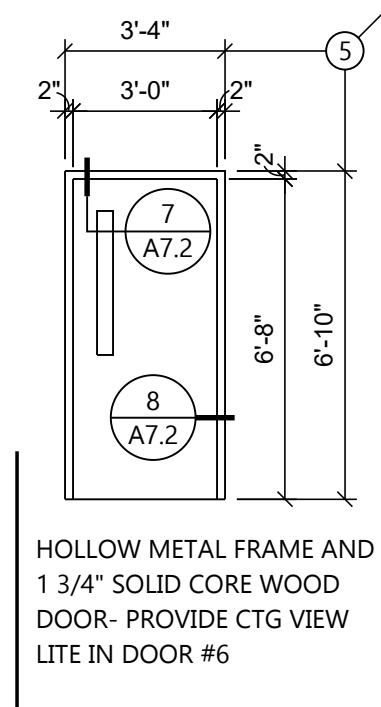
LEGEND

OFFICE 101	ROOM NUMBER	CONCRETE
1	DOOR NUMBER	2x4 WOOD STUD PARTITION
B A2.1	ELEVATION	DETAIL/SECTION NUMBER
	SHEET NUMBER	SHEET NUMBER
+101.58'	NEW SPOT GRADE	LOUVER TYPE
A A3.4	LARGE SCALE PLAN	CAST THRESHOLD
	SHEET NUMBER	PORTABLE EXTINGUISHER BRACKET- BY OWNER
FOS	FACE OF STUD	PIPE BOLLARD (DET. 4/A5.0)
SRFEC	SEMI-RECESSED EXTINGUISH. CABINET	ALUM. EDGE THRESHOLD - SEE DETAIL 9/A7.2
BT	BAR THRESHOLD	2x6 WOOD STUD PARTITION
DS	DOWNSPOUT	ONE HOUR RATED PARTITION

CTG = CLEAR TEMPERED GLAZING



TTG = TINTED TEMPERED GLAZING



DOOR SCHEDULE

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

LOUVER SCHEDULE

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

FINISH SCHEDULE ABBREVIATIONS

EXCEPT FOR PAINTED WAINSCOTS AND SPECIAL COATINGS, FINISH SCHEDULE REFLECTS VISIBLE SURFACE BEFORE PAINTING IS DONE. SEE FINISH NOTES THIS SHEET.

(ALL ABBREVIATIONS NOT USED)

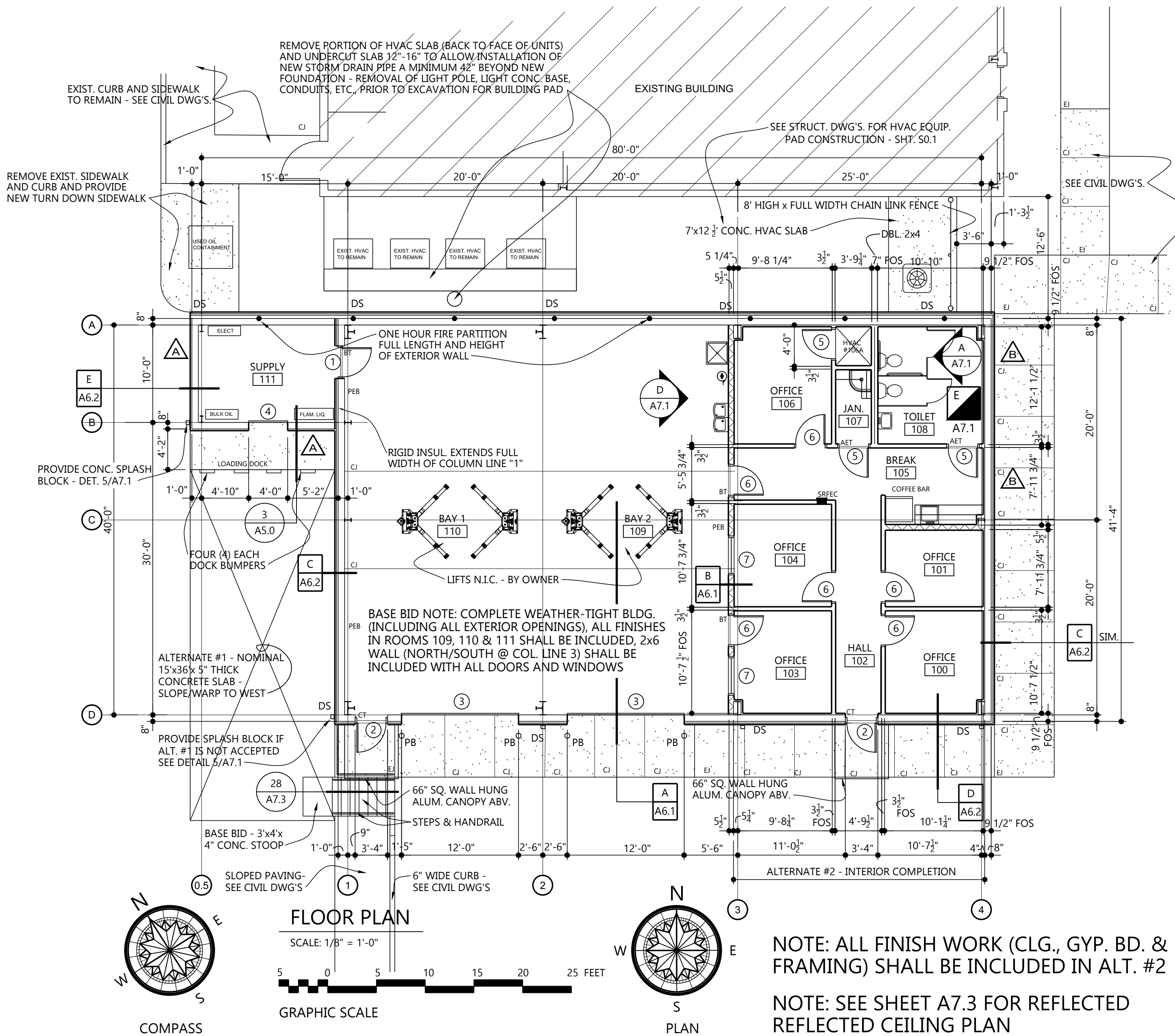
ABD	2'x2' ACOUST. LAY-IN TILE	3	FINISH NOTE	MTL	PRE-FINISHED METAL	SPEC	SEE SPECIFICATIONS
ABDM	MOIST. RESIST. ABD	GB	GYPSUM BOARD	P	PAINT		
CONC	CONCRETE	GBM	MOIST. RESIST. GYP. BD.	P/F	PRE-FINISHED	VAR	VARIES
CT	CERAMIC TILE	GT	GLAZED TILE	PWD	PLYWOOD WAINSCOT	WD	WOOD
EXP	EXPOSED	LVT	SPECIAL VINYL TILE	R	RUBBER		

FINISH SCHEDULE

ROOM NO.	ROOM TITLE	FLOOR MAT.	BASE	NORTH WALL	SOUTH WALL	EAST WALL	WEST WALL	CEILING	REMARKS
100	OFFICE - ALT. #2	LVT	R	GB P	GB P	GB P	GB P	ABD 9'-0"	-
101	OFFICE - ALT. #2	LVT	R	GB P	GB P	GB P	GB P	ABD 9'-0"	-
102	HALL - ALT. #2	LVT	R	GB P	GB P	GB P	GB P	ABD 9'-0"	-
103	OFFICE - ALT. #2	LVT	R	GB P	GB P	GB P	GB P	ABD 9'-0"	-
104	OFFICE - ALT. #2	LVT	R	GB P	GB P	GB P	GB P	ABD 9'-0"	-
105	BREAK - ALT. #2	LVT	R	GB P	GB P	GB P	GB P	ABD 9'-0"	SEE INTERIOR ELEV. A/A7.1
106	OFFICE - ALT. #2	LVT	R	GB P	GB P	GB P	GB P	ABD 9'-0"	-
106A	HVAC - ALT. #2	CONC	-	GB	GB	GB	GB	-	-
107	JANITOR - ALT. #2	CT	GT	GBM P	GBM P	GBM P	GBM P	ABDM 9'-0"	SEE INTERIOR ELEV. C/A7.1 3
108	TOILET - ALT. #2	CT	GT	GBM P	GBM P	GBM P	GBM P	ABDM 9'-0"	SEE INTERIOR ELEV. B/A7.1 3
109	BAY 2 - BASE BID	CONC	WD	EXP/PWD -/P	EXP/PWD -/P	MTL/PWD -/P	-	EXP VAR	1 2 4 5
110	BAY 1 - BASE BID	CONC	WD	EXP/PWD -/P	EXP/PWD -/P	-	EXP/PWD -/P	EXP VAR	1 4 5
111	SUPPLY - BASE BID	CONC	WD	EXP/PWD -/P	EXP/PWD -/P	MTL/PWD -/P	EXP/PWD -/P	EXP VAR	1 4 5 6

FINISH SCHEDULE NOTES

- GENERAL CONTRACTOR TO PROVIDE ZEE GIRT AT 4'-0", 8'-0" (&12'-0") SET TO RECEIVE PLYWOOD WAINSCOT
- PLYWOOD 8'-0" HIGH WAINSCOT ON STUDS BY GENERAL CONTRACTOR - PRE-FINISHED METAL ABOVE WAINSCOT TO SEAL TO DECK ABOVE BY GENERAL CONTRACTOR (EAST WALL ROOM #109)
- SEE LARGE SCALE PLAN SHEET A7.1
- PROVIDE #1 SYP 1x6 BASE WHERE PLYWOOD WAINSCOT OCCURS
- PAINT ALL WAINSCOT AND WOOD BASE
- 8'-0" PLYWOOD WAINSCOT ON GIRTS BY GEN. CONTR. - PRE-FINISHED METAL ABOVE WAINSCOT TO SEAL TO DECK (EAST WALL ROOM #111)

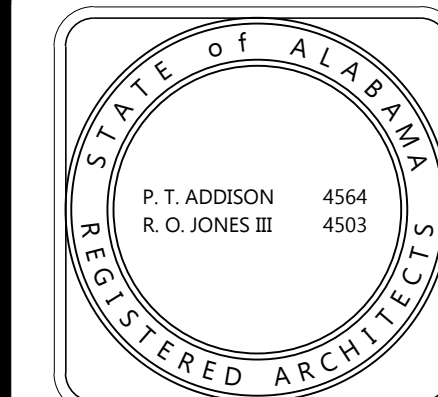


NOTE: ALL FINISH WORK (CLG., GYP. BD. & FRAMING) SHALL BE INCLUDED IN ALT. #2

NOTE: SEE SHEET A7.3 FOR REFLECTED REFLECTED CEILING PLAN

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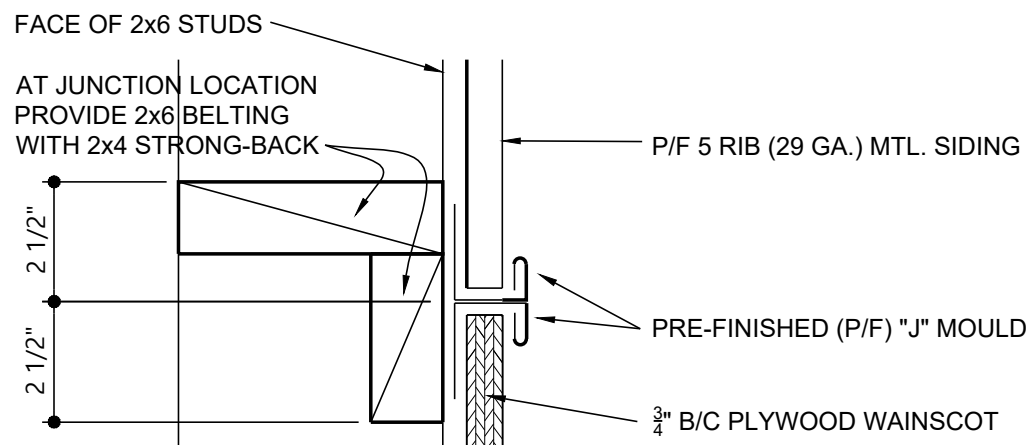


DRAWN	HW	CHECK	HW/PA
DATE	8/20/2026	R.T.A.	
REVISED			
REVISED			
SHEET TITLE	FLOOR PLAN AND DOOR, WINDOW, LOUVER and FINISH SCHEDULE		
JOB NO.	PH&J #2502-CUA DCM #2025417		
SEQUENCE NO.	8	OF	39

RE-BID
A2.0

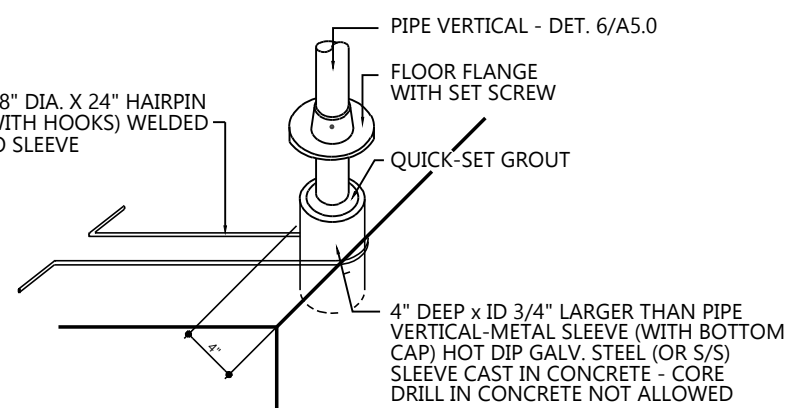
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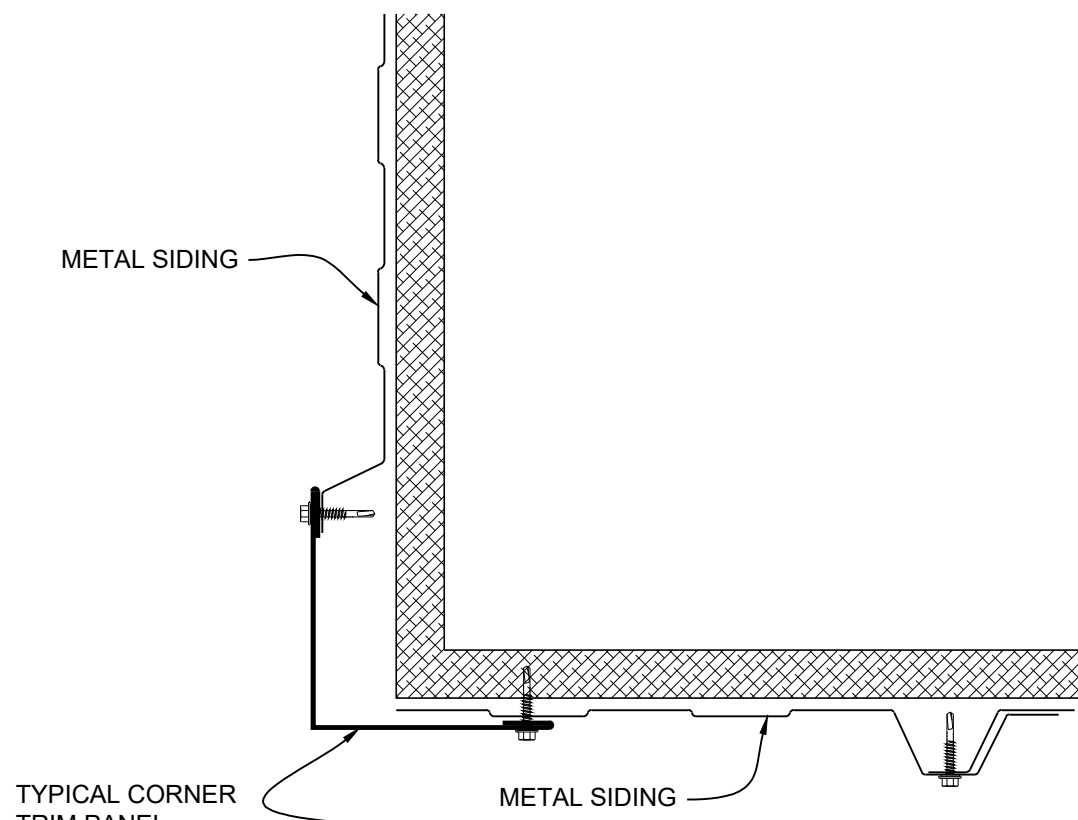
JUNCTION BETWEEN MTL. and PLYWOOD WAINSCOT

SCALE: 3" = 1'-0"



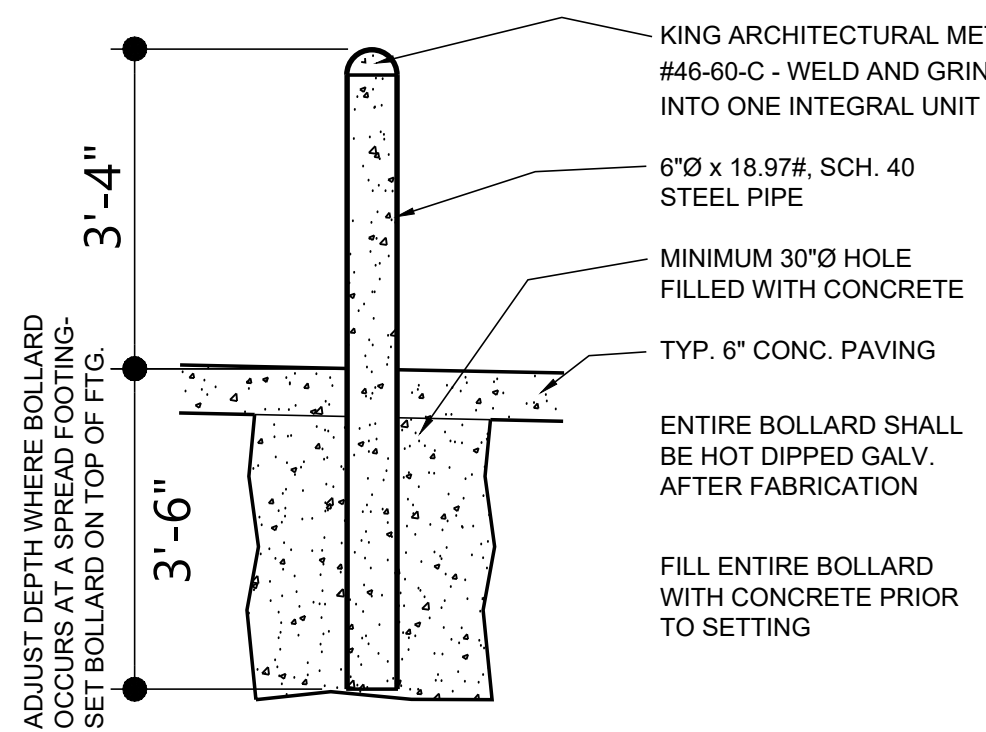
PIPE RAIL SLEEVE

NO SCALE



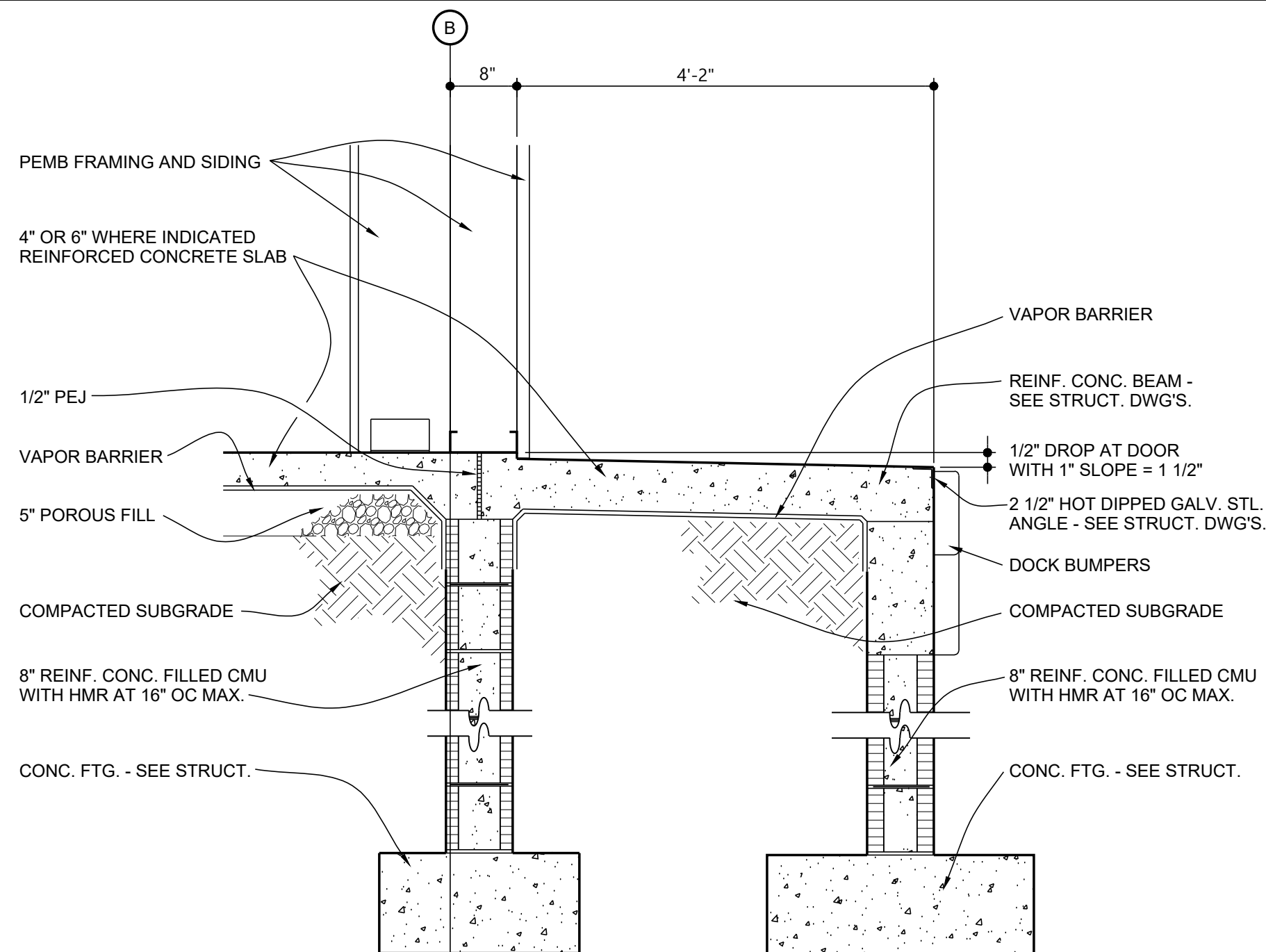
CORNER TRIM DETAIL

SCALE: 3" = 1'-0"



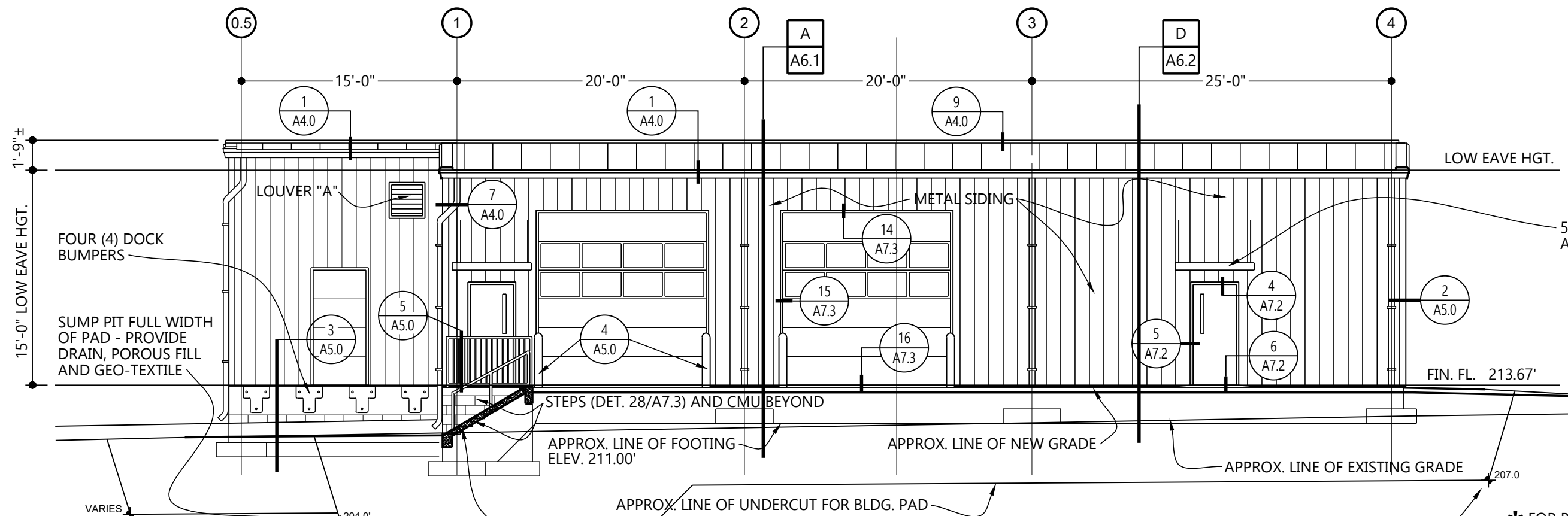
BOLLARD DETAIL

NO SCALE



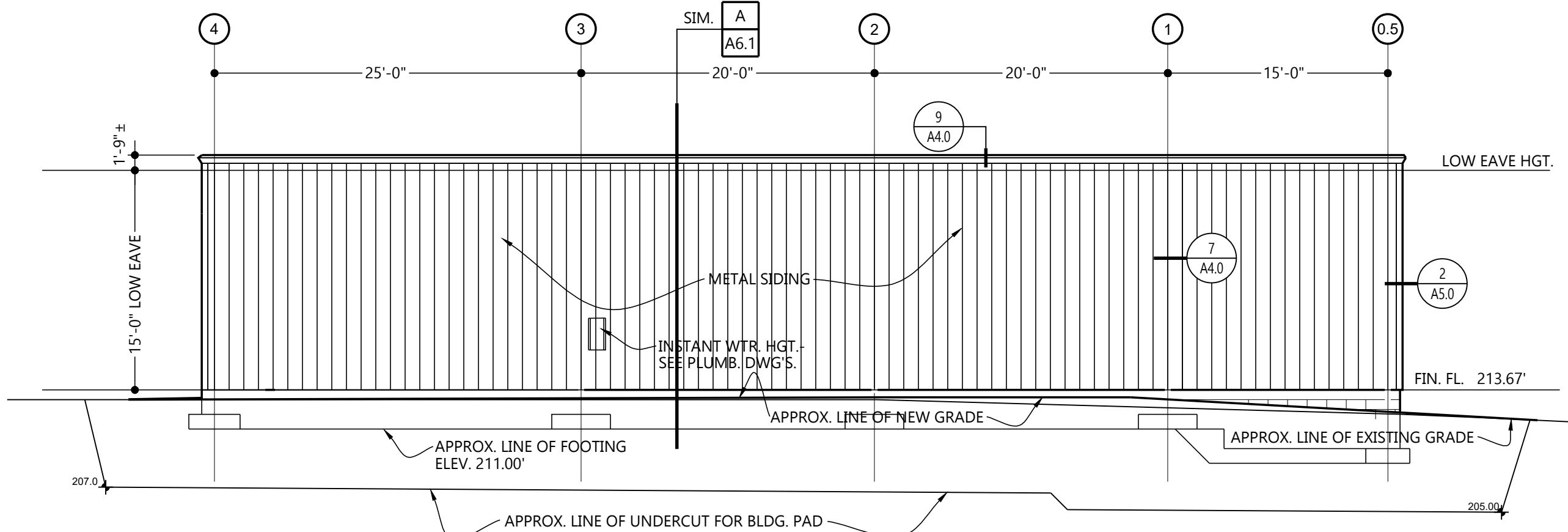
PARTIAL LOADING DOCK SECTION

SCALE 3/4" = 1'-0"



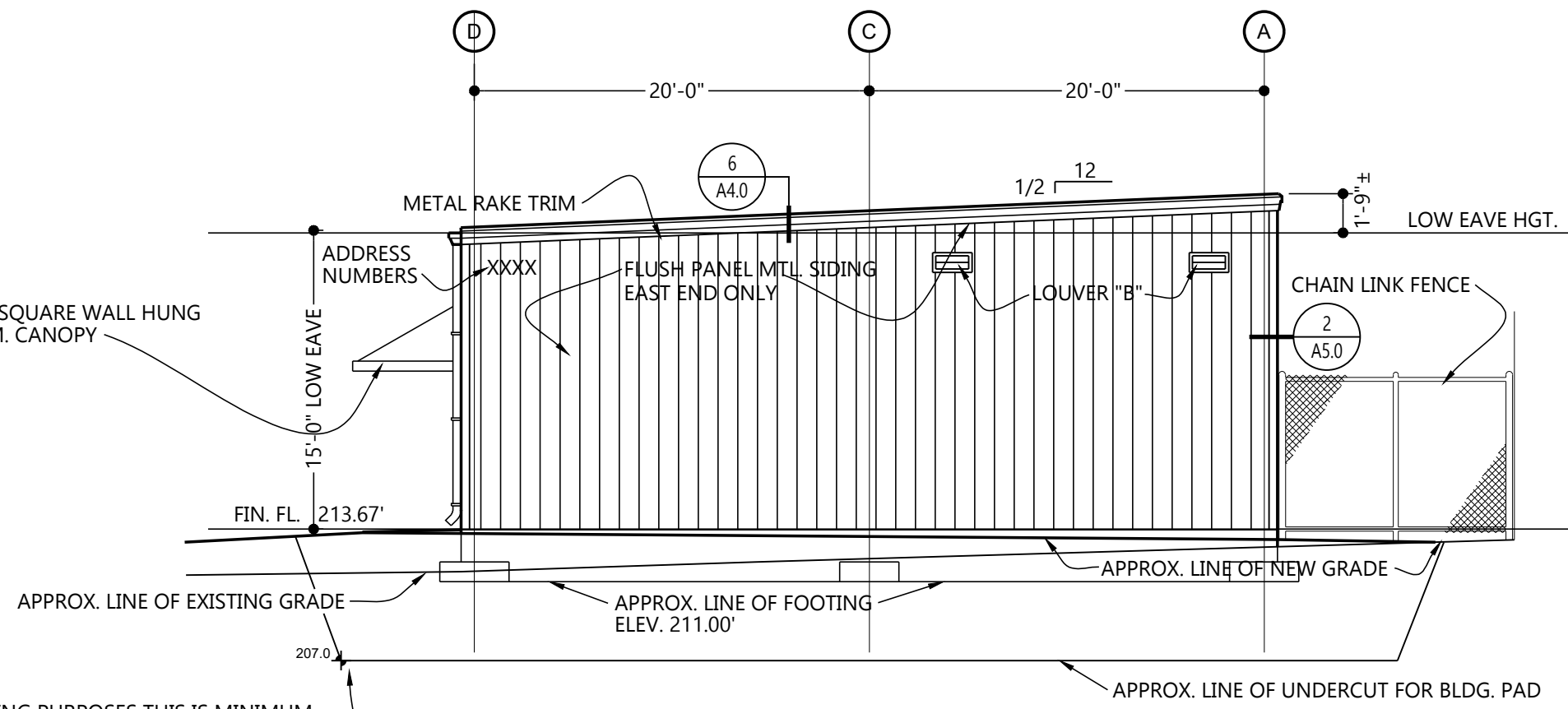
SOUTH EXTERIOR ELEVATION

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



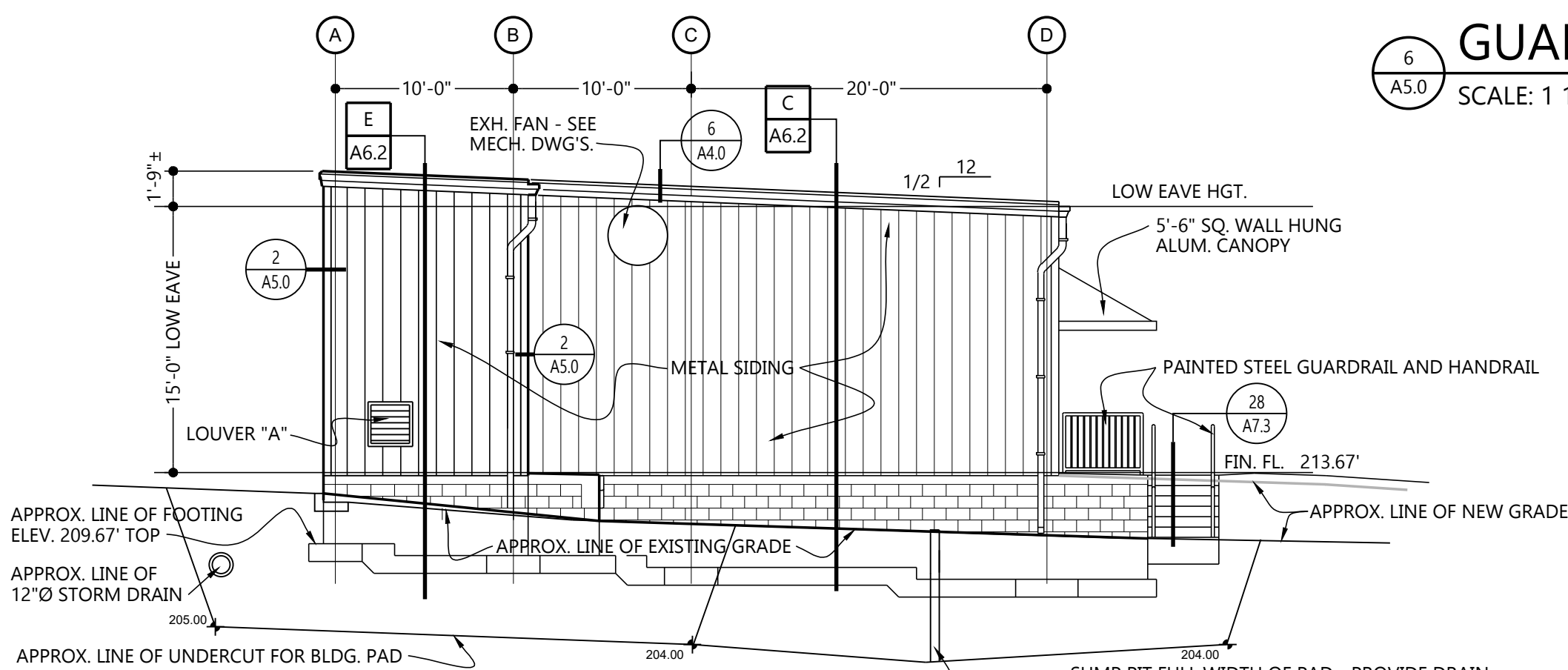
NORTH EXTERIOR ELEVATION

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



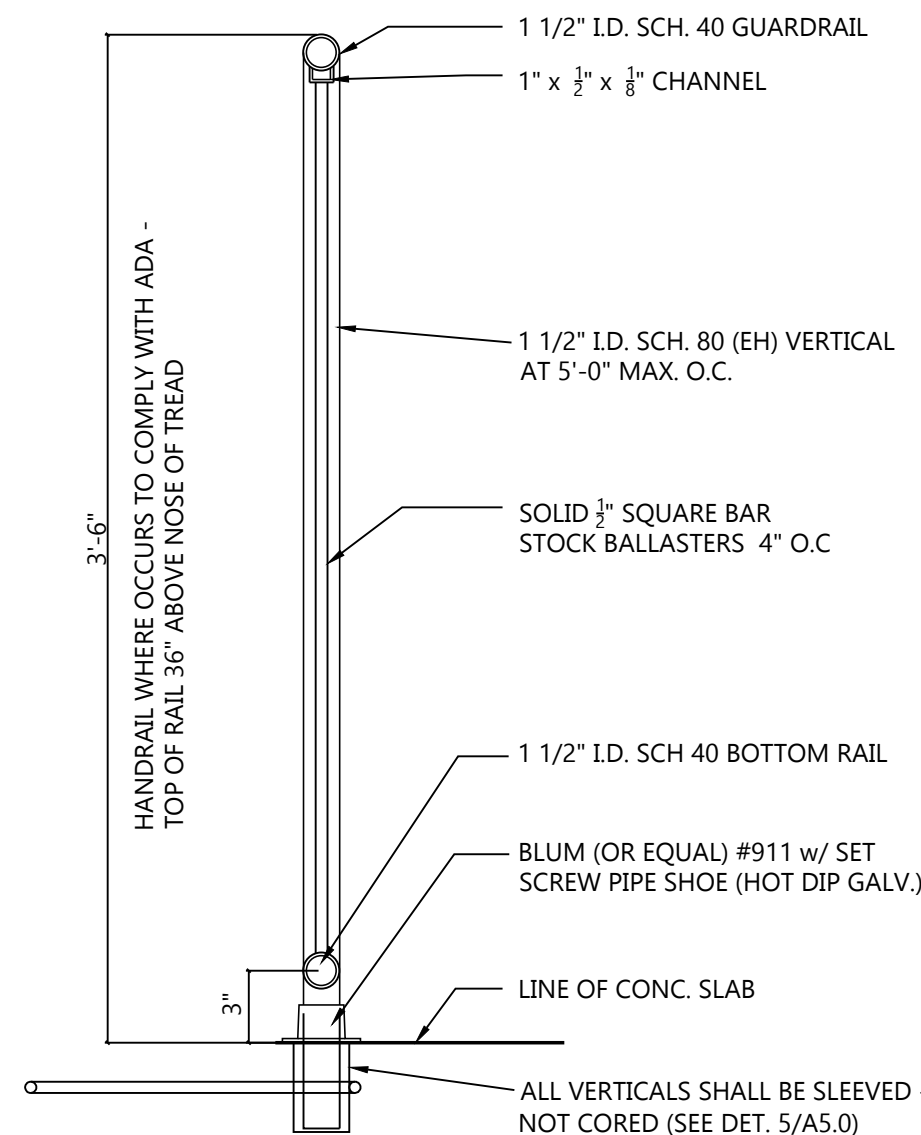
EAST EXTERIOR ELEVATION

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



WEST EXTERIOR ELEVATION

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

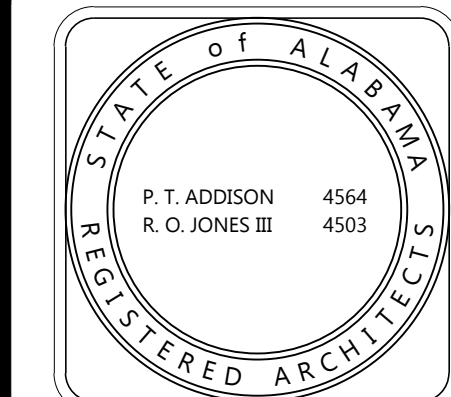


GUARDRAIL DETAIL

SCALE: 1 1/2" = 1'-0"

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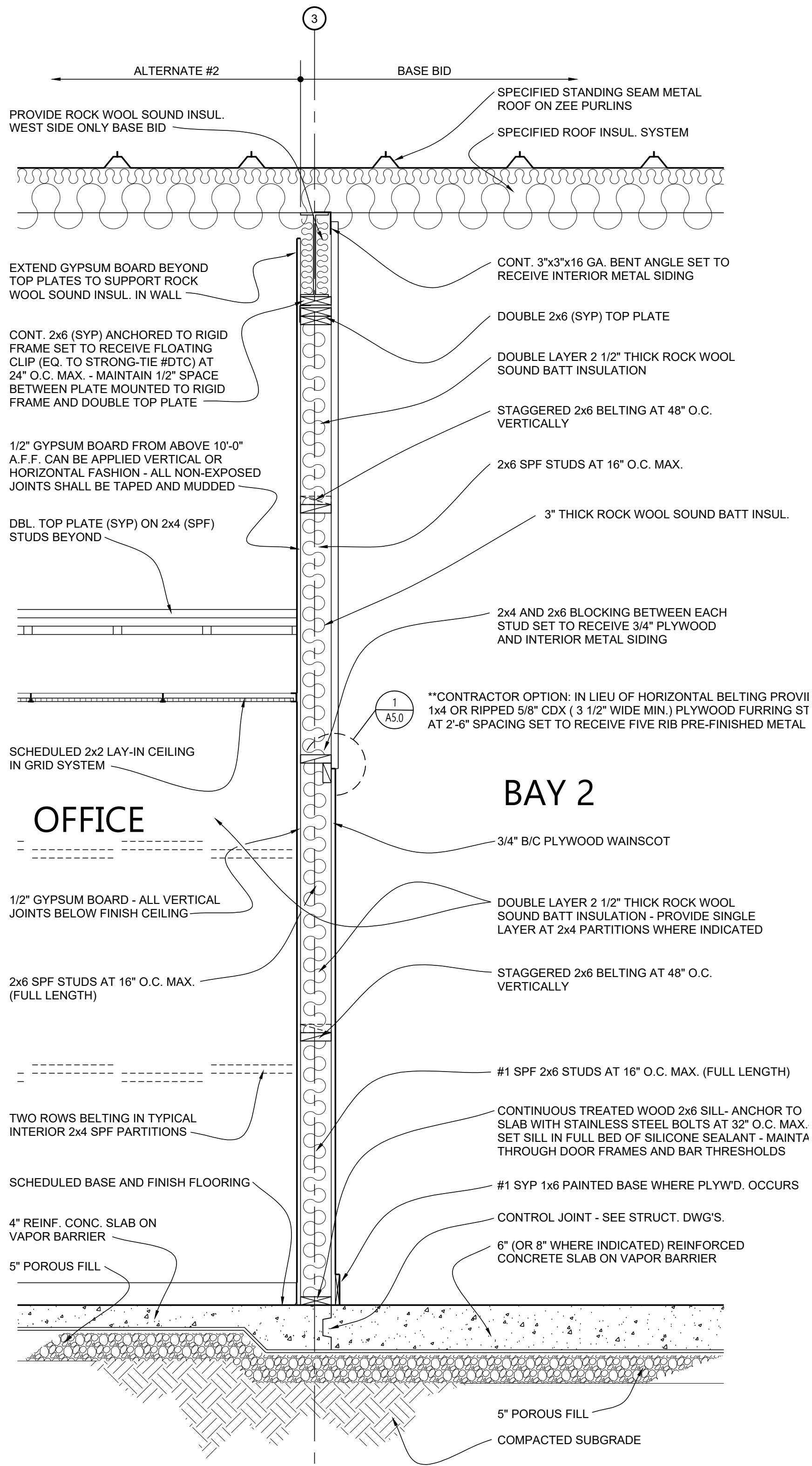


DRAWN	HW	CHECK	HW/PA
DATE	8/20/2026 R.T.A.		
REVISED			
REVISED			
SHEET TITLE			
EXTERIOR ELEVATIONS AND DETAILS			
JOB NO.	PH&J #2502-CUA DCM #2025417		
SEQUENCE	10	OF	39

RE-BID
A5.0

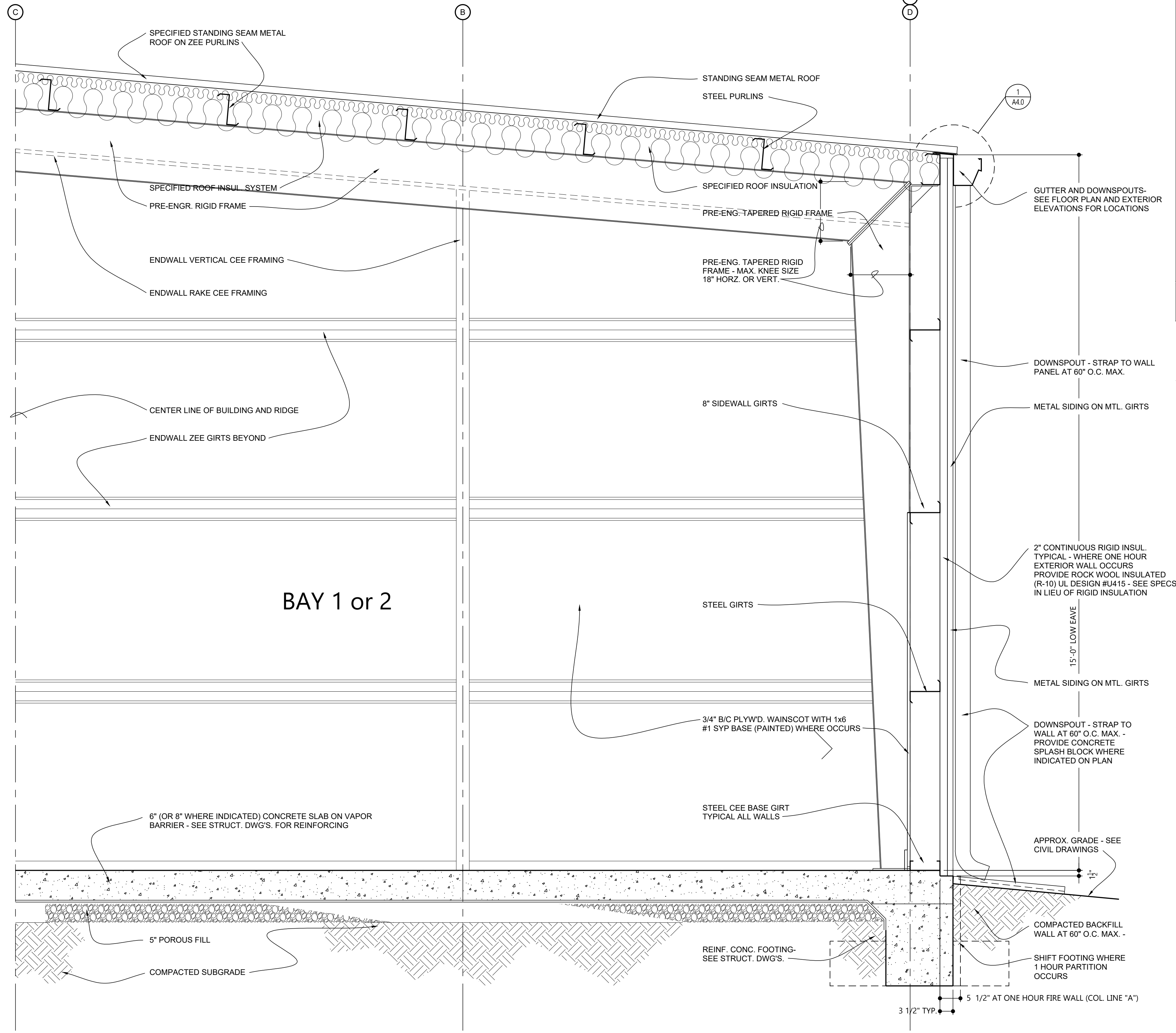
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BASE BID: 2x6 VERTICAL STUD PARTITON, PLYWOOD, BELTING AND METAL INTERIOR WALL ON WEST SIDE ONLY

B INTERIOR WALL SECTION
A6.1 SCALE 3/4" = 1'-0"



A HALF BUILDING SECTION
A6.1 SCALE 3/4" = 1'-0"

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NEW FLEET MANAGEMENT BUILDING
FOR
AIDT
MONTGOMERY, ALABAMA

STATE OF ALABAMA
REGISTERED ARCHITECTS
P. T. ADDISON 4564
R. O. JONES III 4503

DRAWN HW | CHECK HW/PA

DATE 8/20/2026 R.T.A.

REVISED

REVISED

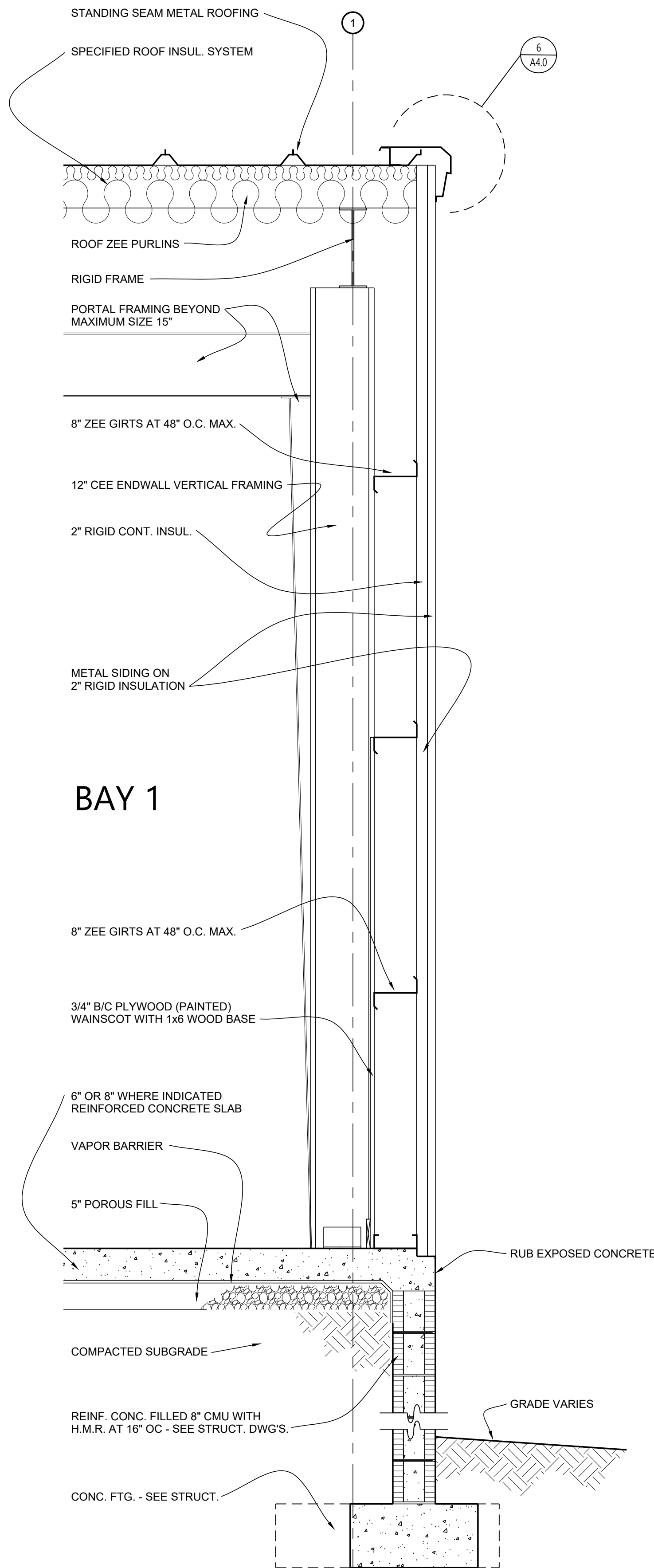
SHEET TITLE
WALL SECTIONS

JOB NO. PH&J #2502-CUA
DCM #2025417

SEQUENCE NO. 11 OF 39

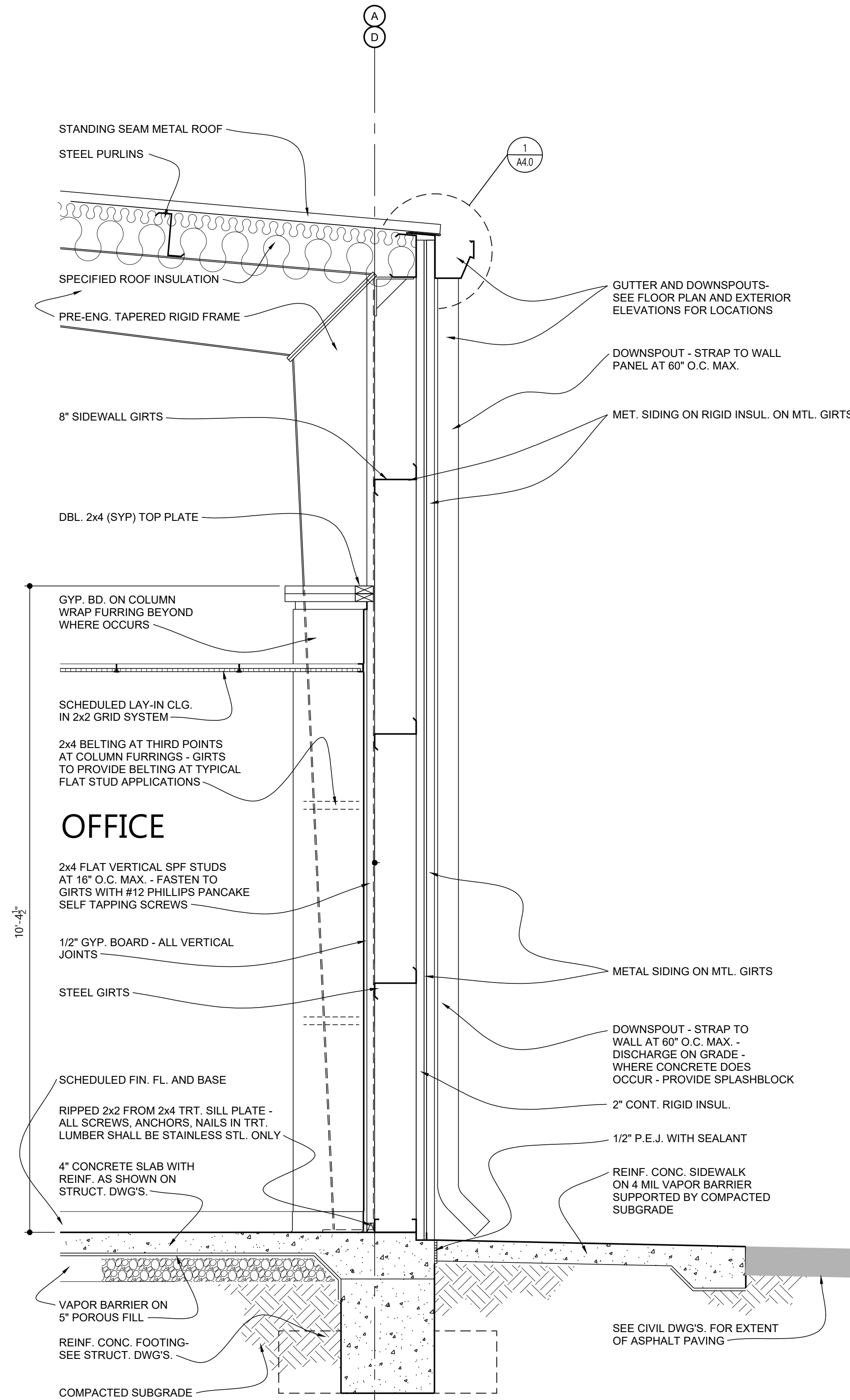
RE-BID
A6.1
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PROJECT NAME AND JOB NUMBERS



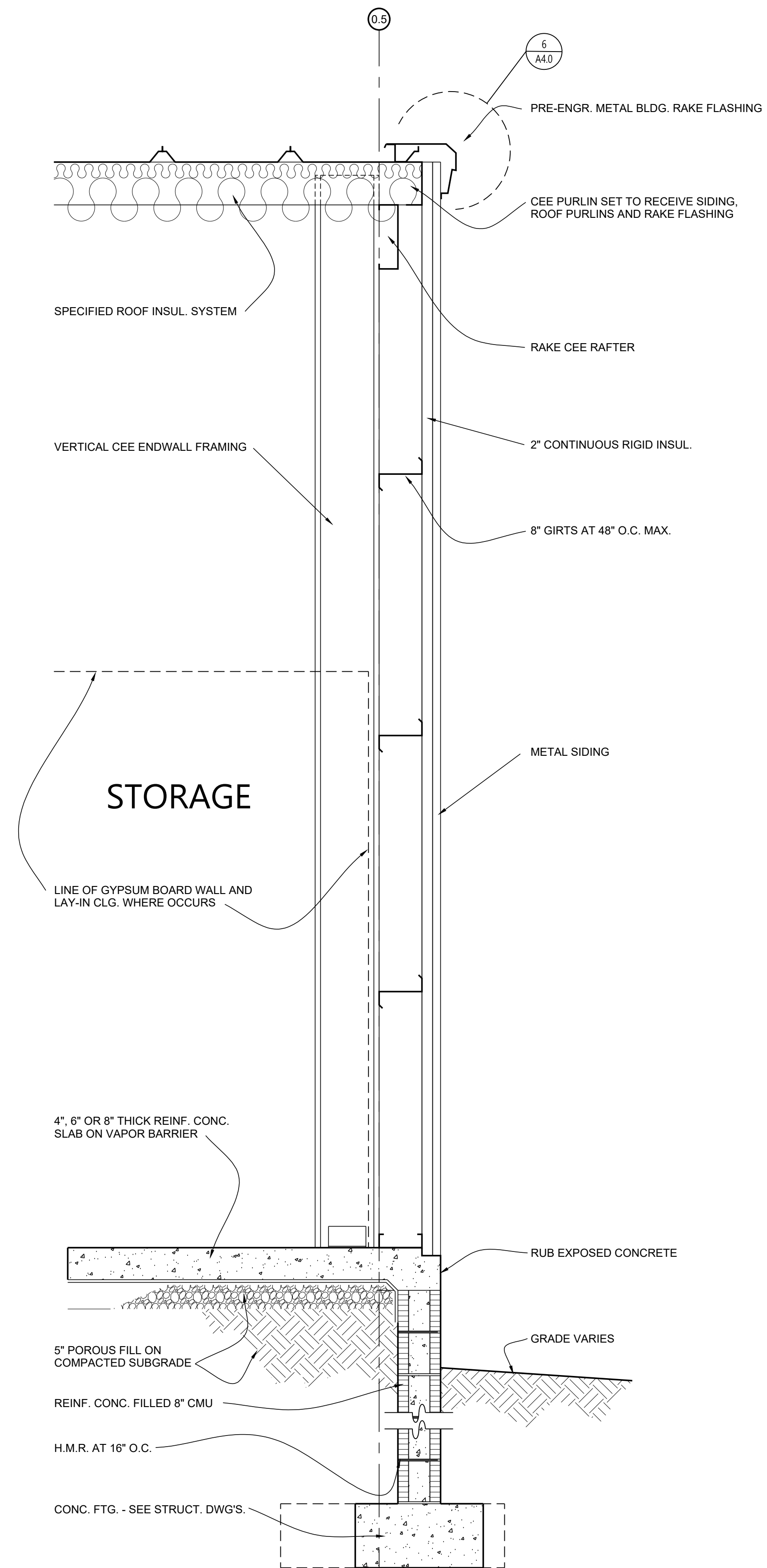
BAY 1

C WALL SECTION
A6.2 SCALE 3/4" = 1'-0"



OFFICE

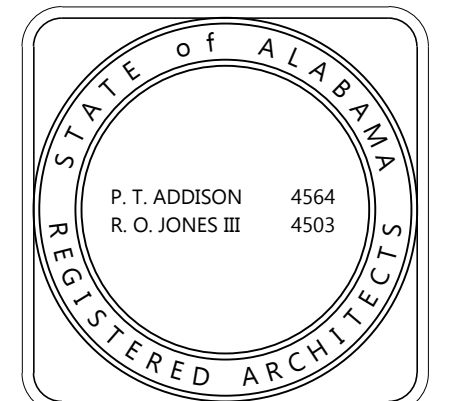
D EXTERIOR WALL SECTION
A6.2 SCALE 3/4" = 1'-0"



STORAGE

E ENDWALL SECTION
A6.3 SCALE 3/4" = 1'-0"

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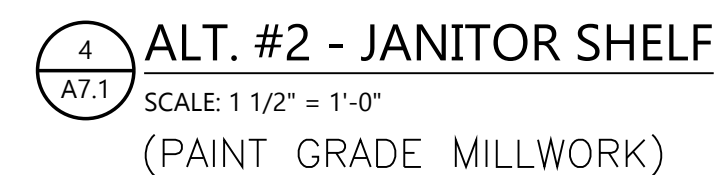
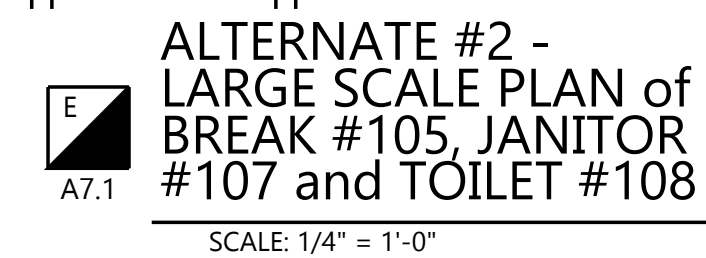
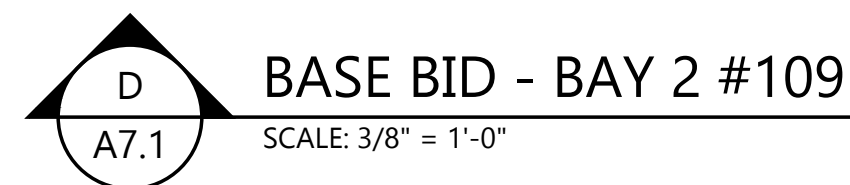
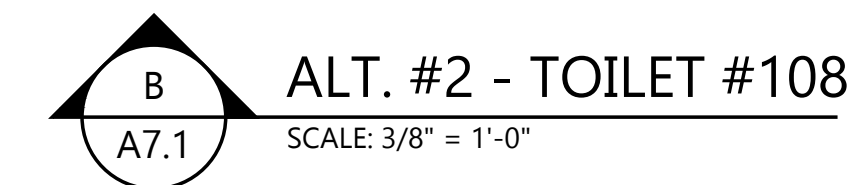
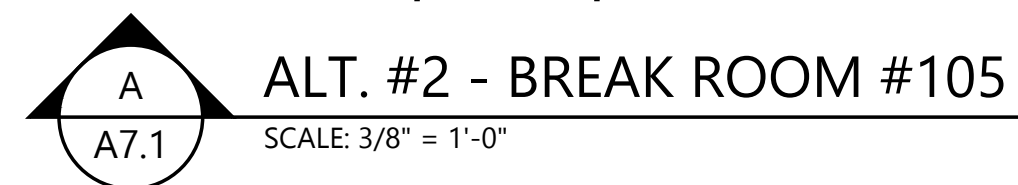


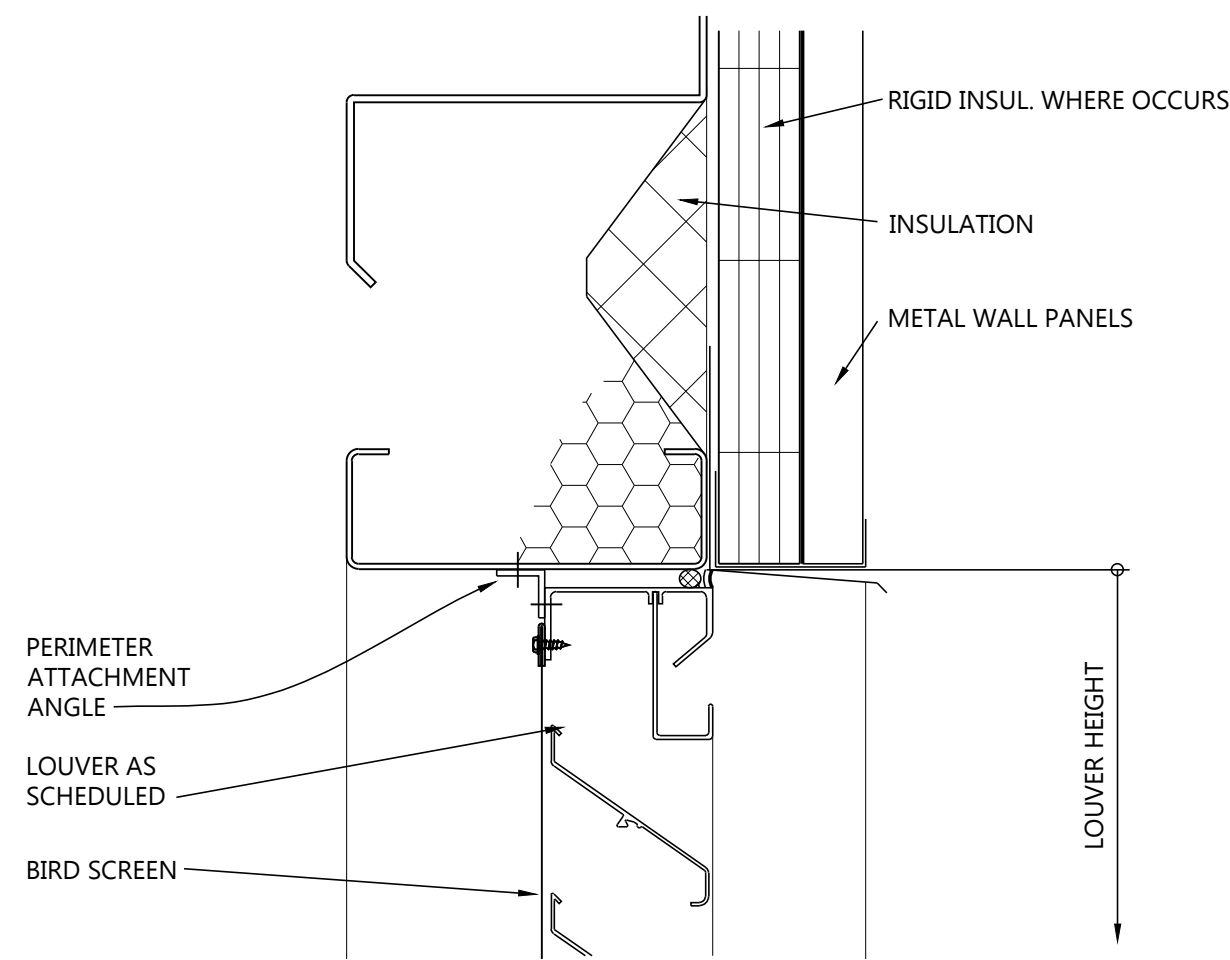
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DATE		8/20/2026 R.T.A.	
REVISED			
REVISED			
SHEET TITLE			
WALL SECTIONS			
JOB NO. PH&J #2502-CUA			
DCM #2025417			
SEQUENCE NO.		12	OF 39

RE-BID
A6.2

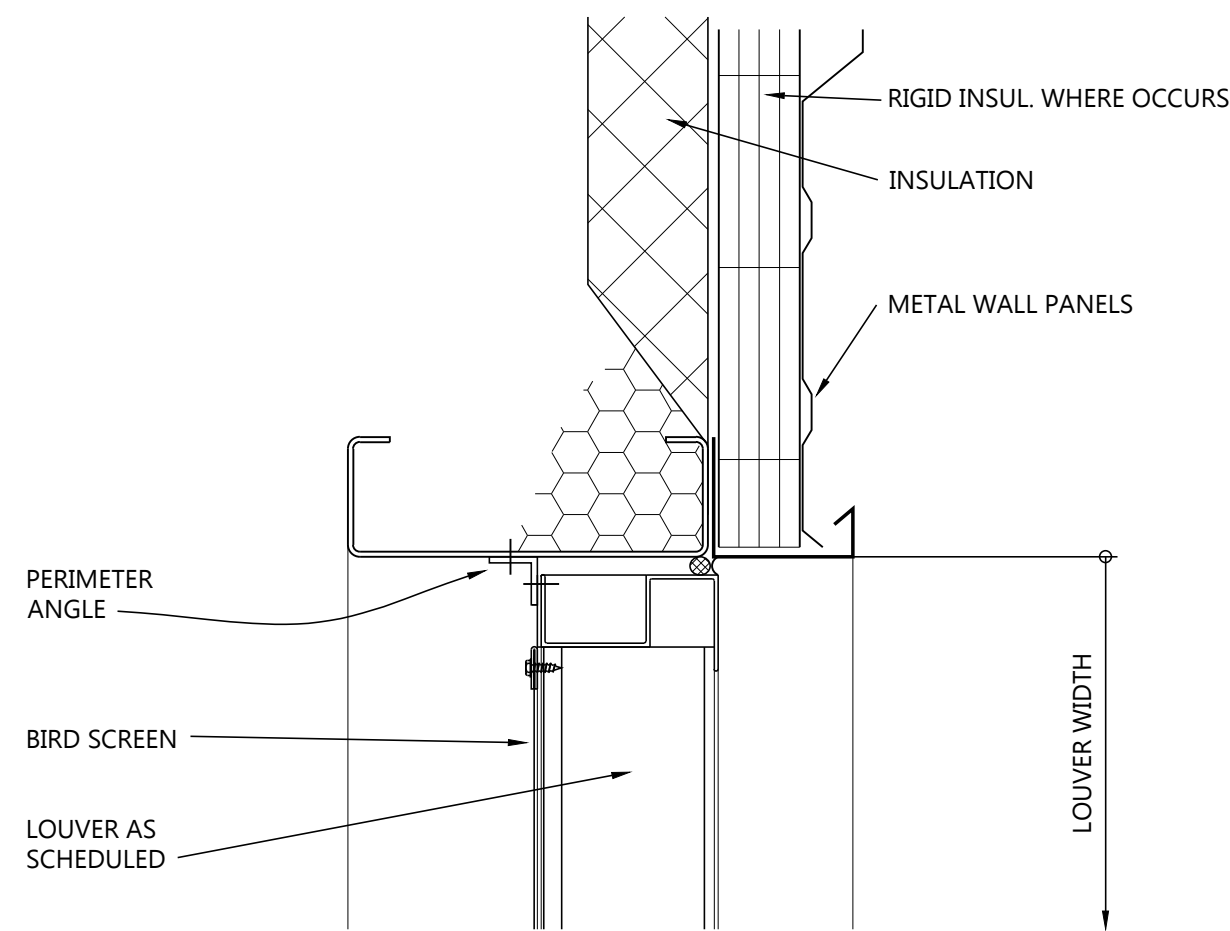
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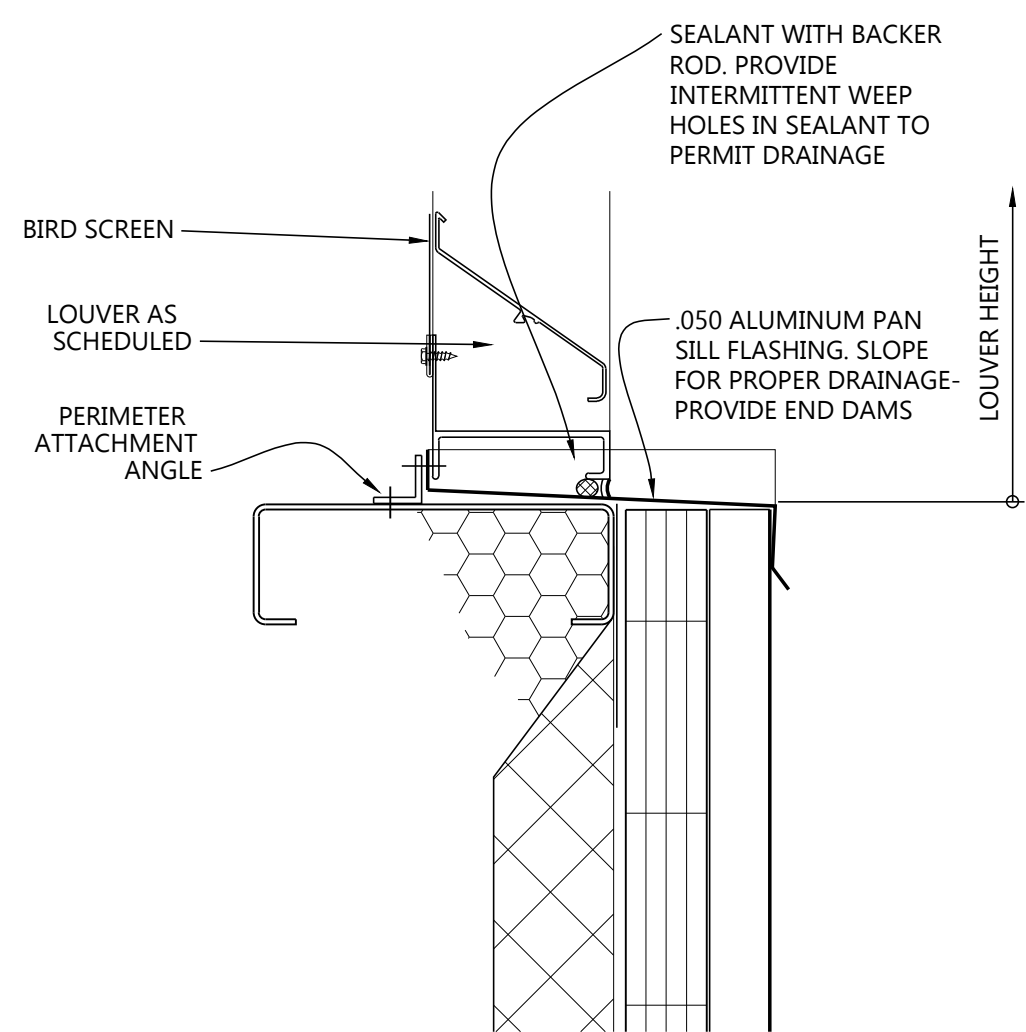




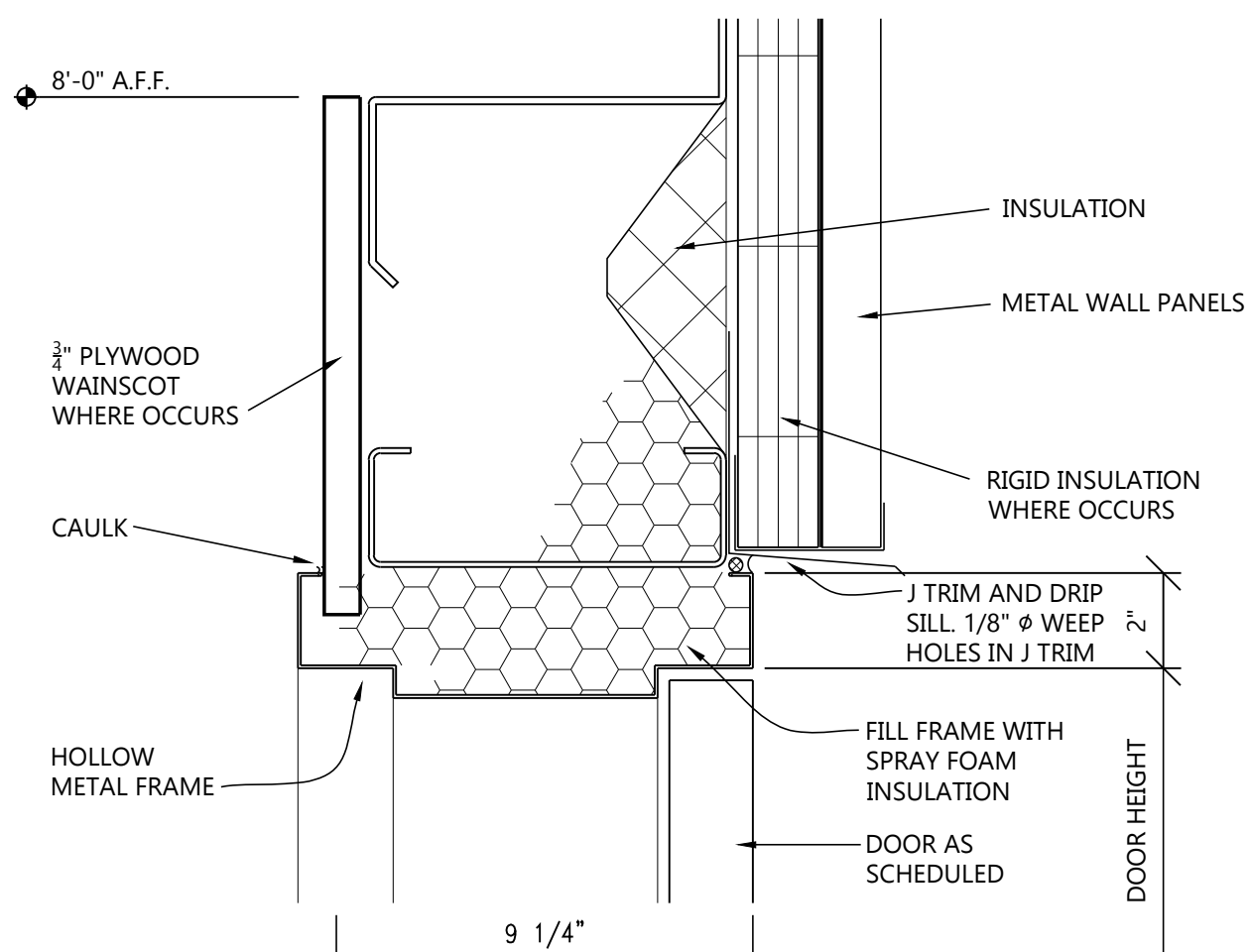
1
A7.2
LOUVER HEAD DETAIL
SCALE : 3" = 1'-0"
SEE DETAIL 20/A7.3 FOR ADDITIONAL METAL DETAILS



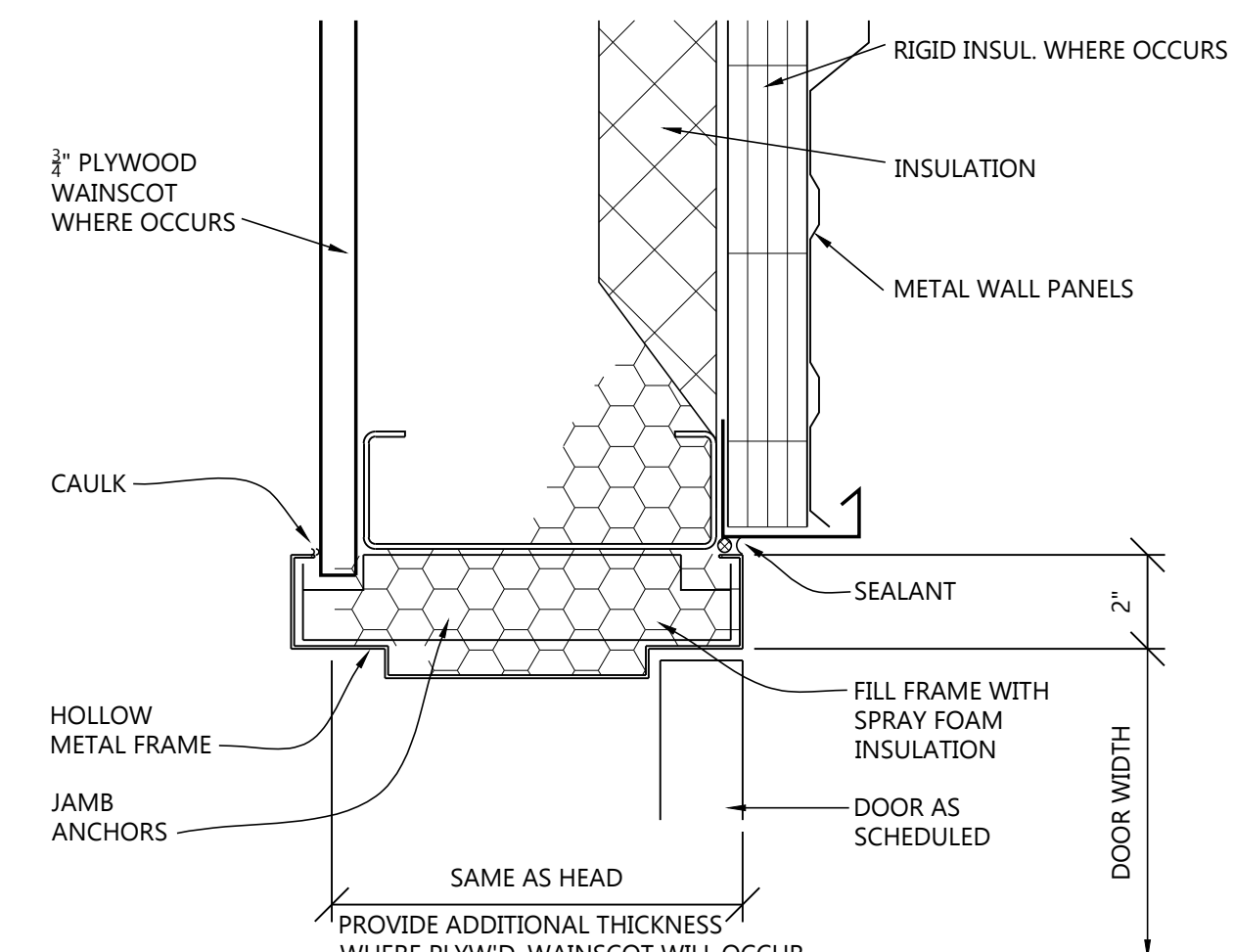
2
A7.2
LOUVER JAMB DETAIL
SCALE : 3" = 1'-0"
SEE DETAIL 20/A7.3 FOR ADDITIONAL METAL DETAILS



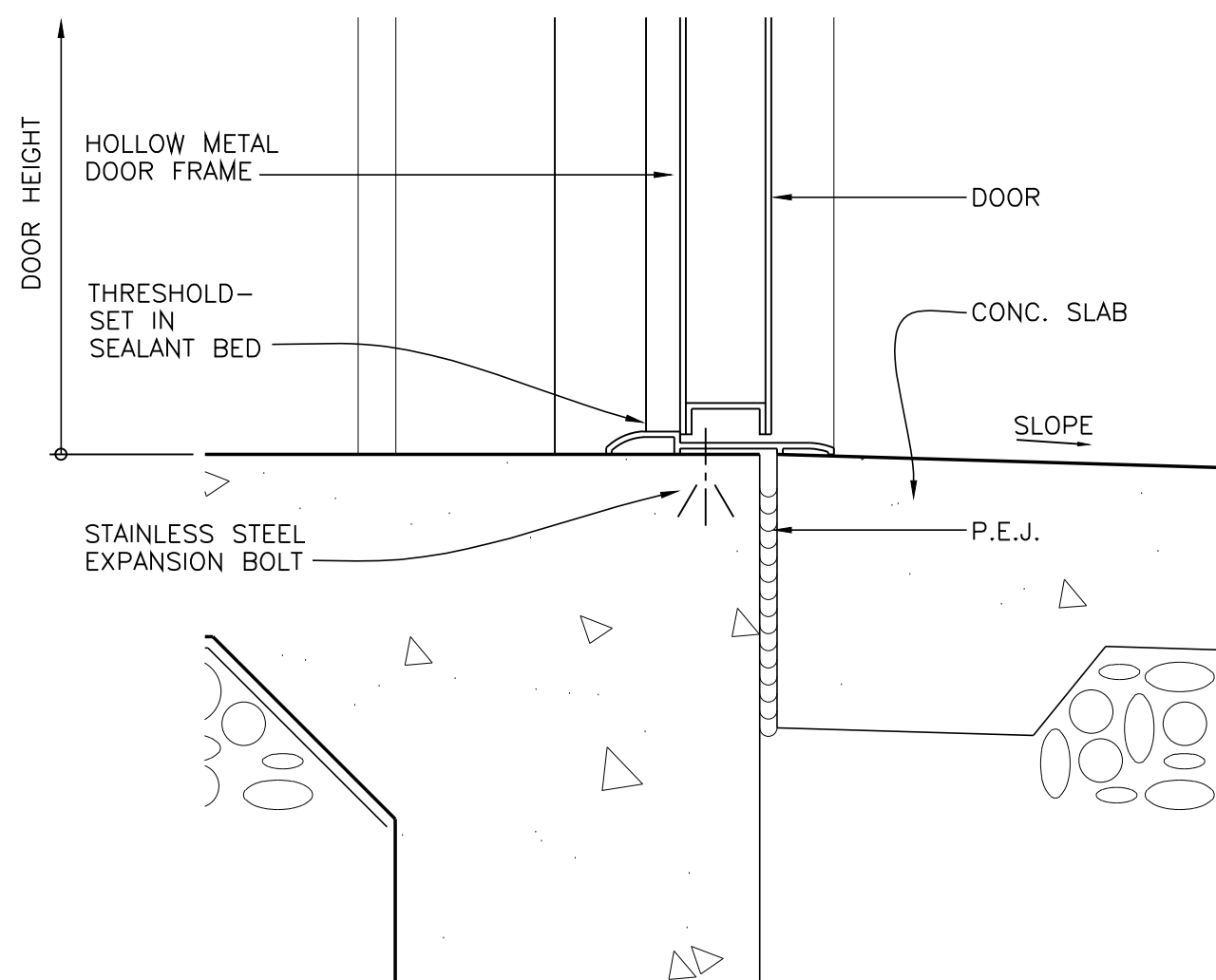
3
A7.2
LOUVER SILL DETAIL
SCALE : 3" = 1'-0"
SEE DETAIL 20/A7.3 FOR ADDITIONAL METAL DETAILS



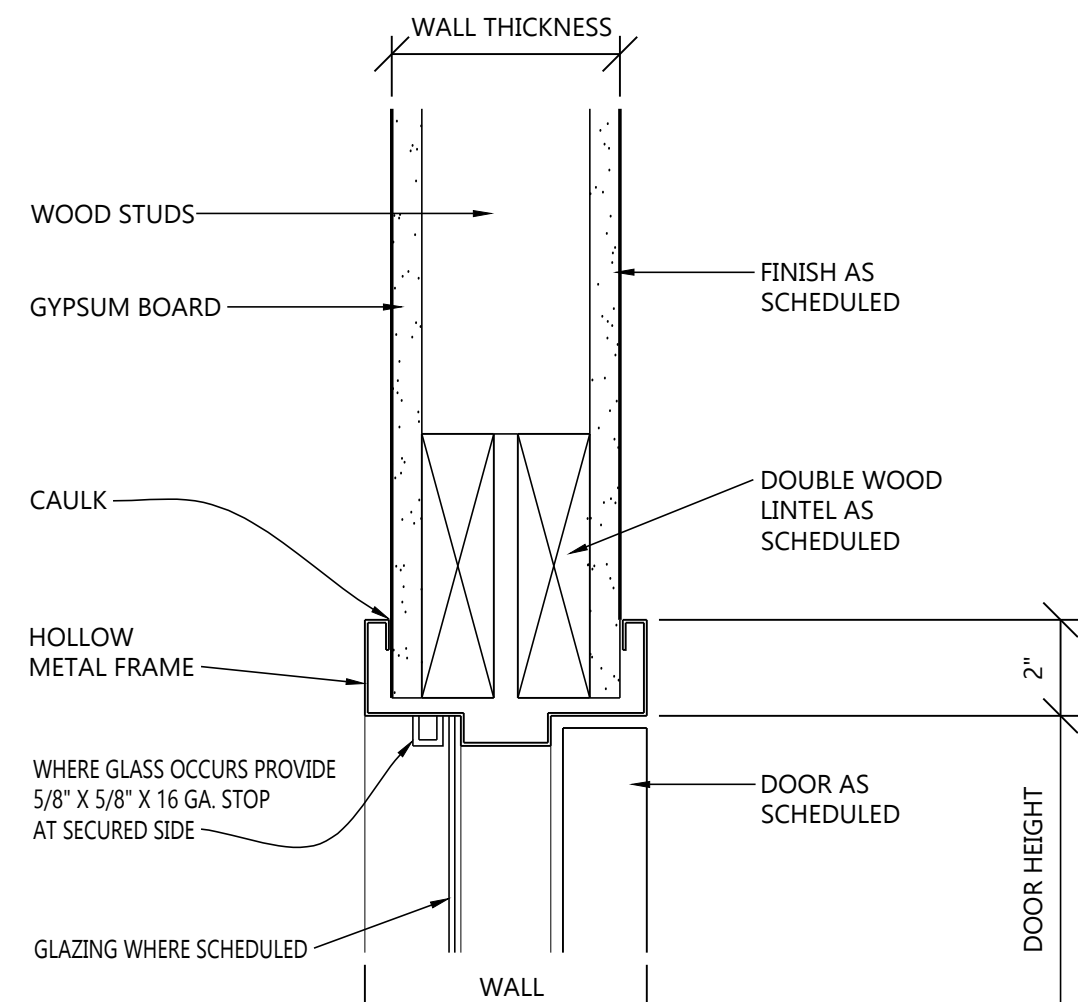
4
A7.2
DOOR HEAD DETAIL
SCALE : 3" = 1'-0"
SEE DETAIL 20/A7.3 FOR ADDITIONAL METAL DETAILS



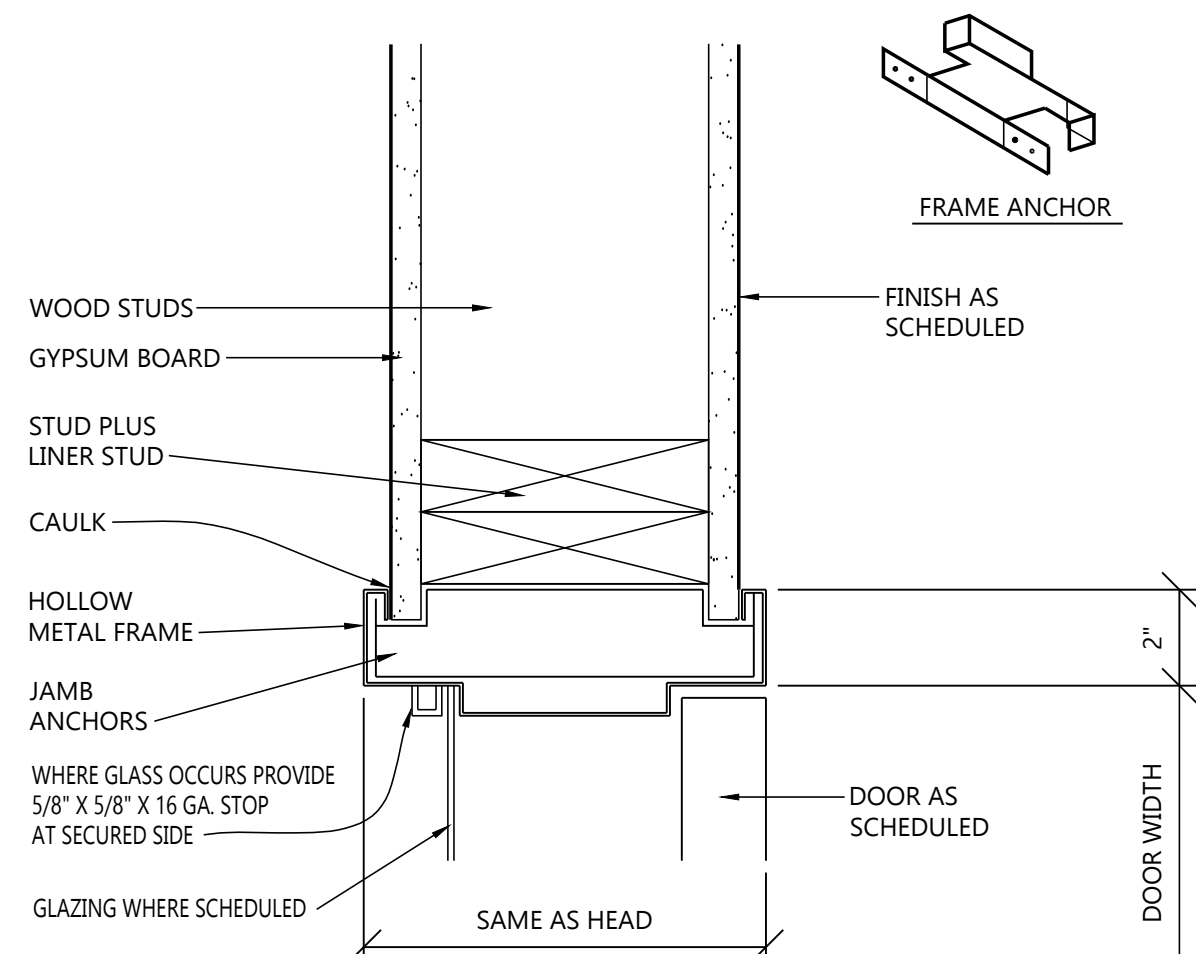
5
A7.2
DOOR JAMB DETAIL
SCALE : 3" = 1'-0"
SEE DETAIL 20/A7.3 FOR ADDITIONAL METAL DETAILS



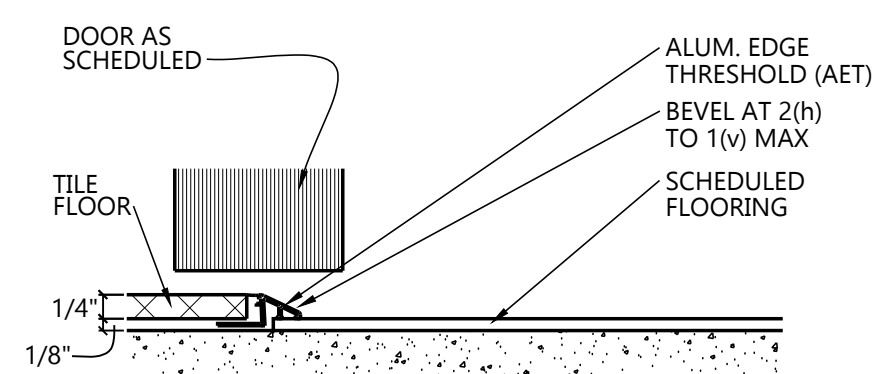
6
A7.2
DOOR SILL DETAIL
SCALE : 3" = 1'-0"



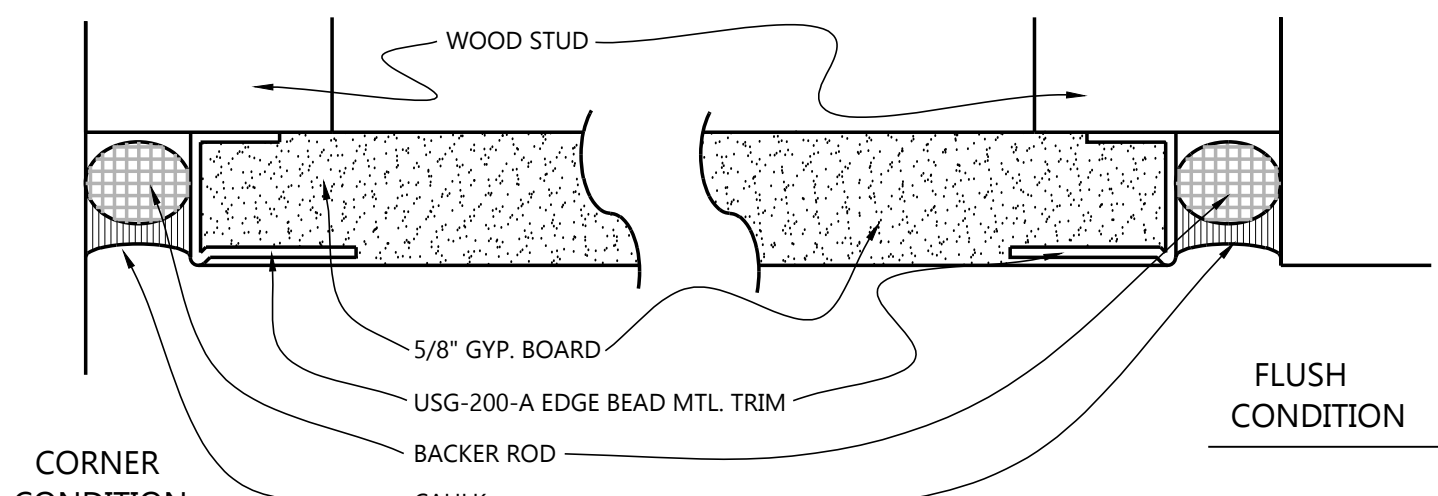
7
A7.2
DOOR HEAD DETAIL
SCALE : 3" = 1'-0"



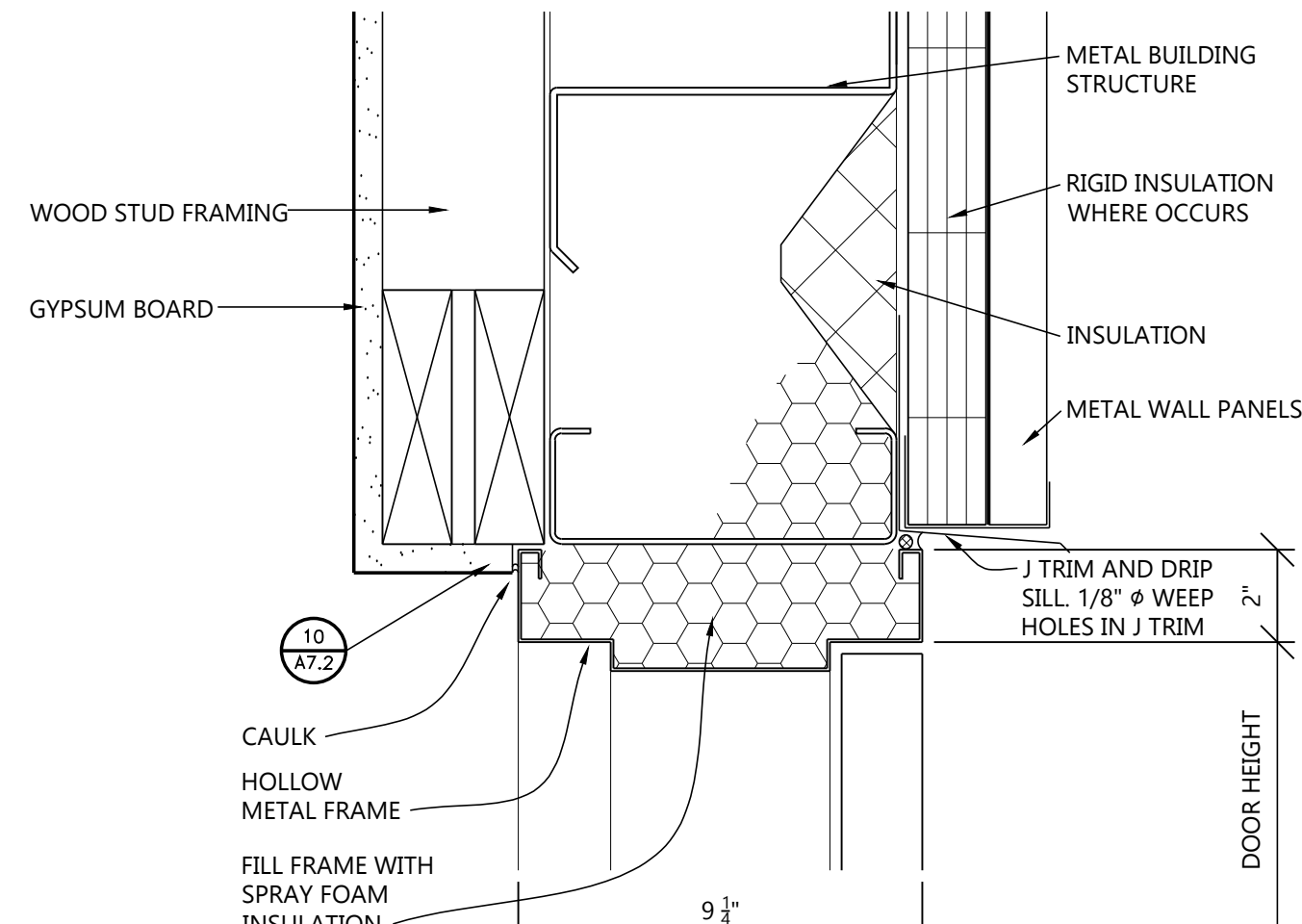
8
A7.2
DOOR JAMB DETAIL
SCALE : 3" = 1'-0"



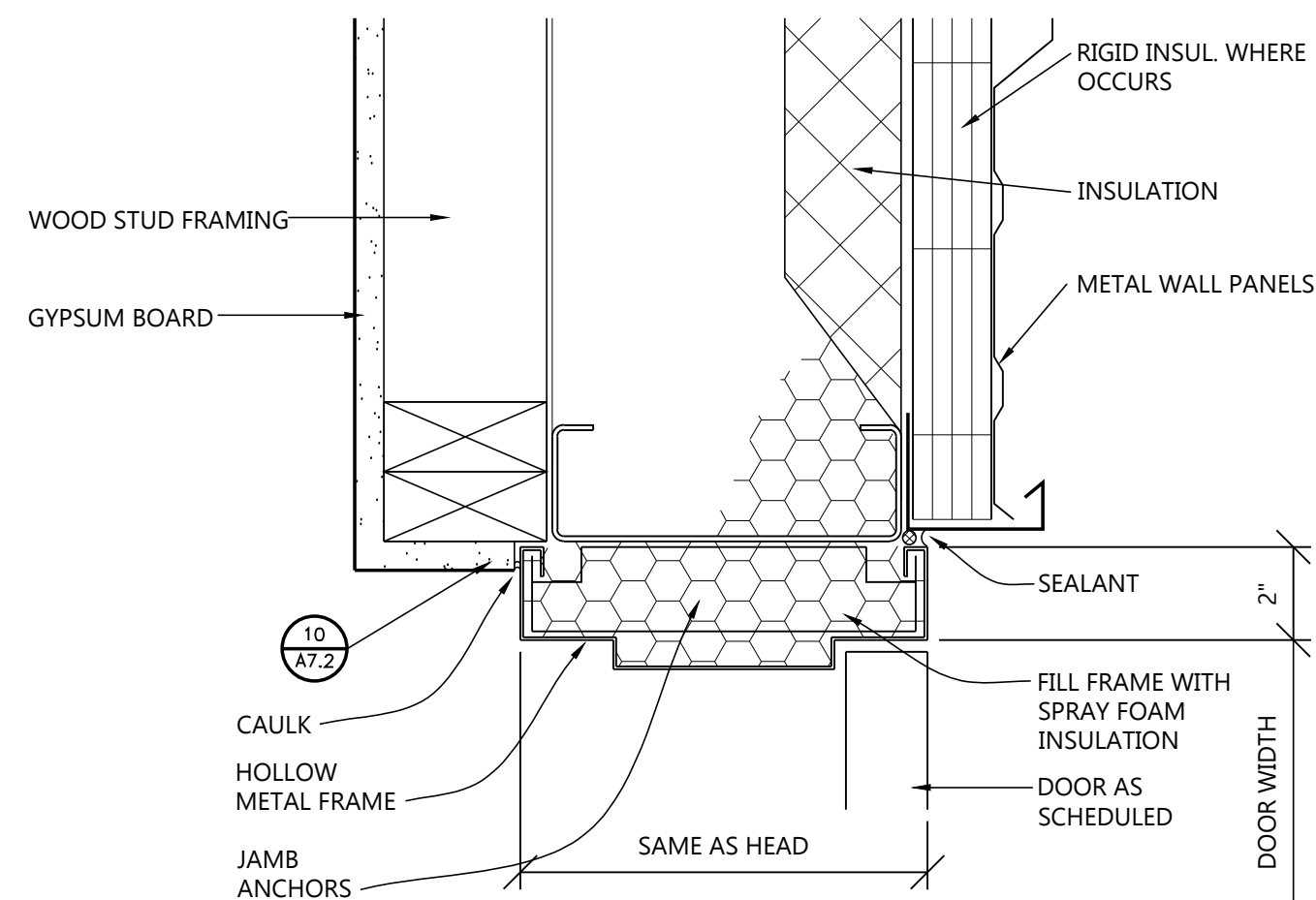
9
A7.2
AET DOOR SILL DETAIL
NO SCALE



10
A7.2
JUNCTURE AT DRYWALL
NO SCALE
NOTE: USE EDGE BEAD ("U" OR "J" SHAPE) AS SHOWN-
"L" SHAPED EDGE BEAD WILL NOT BE ACCEPTED

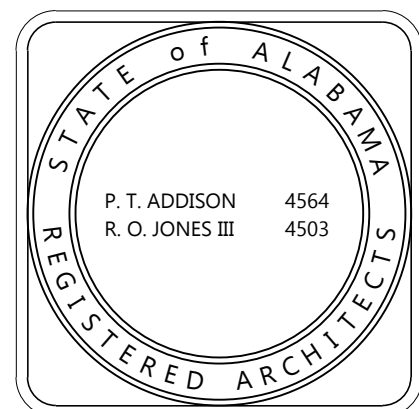


11
A7.2
DOOR HEAD DETAIL
SCALE : 3" = 1'-0"
SEE DETAIL 20/A7.3 FOR ADDITIONAL METAL DETAILS



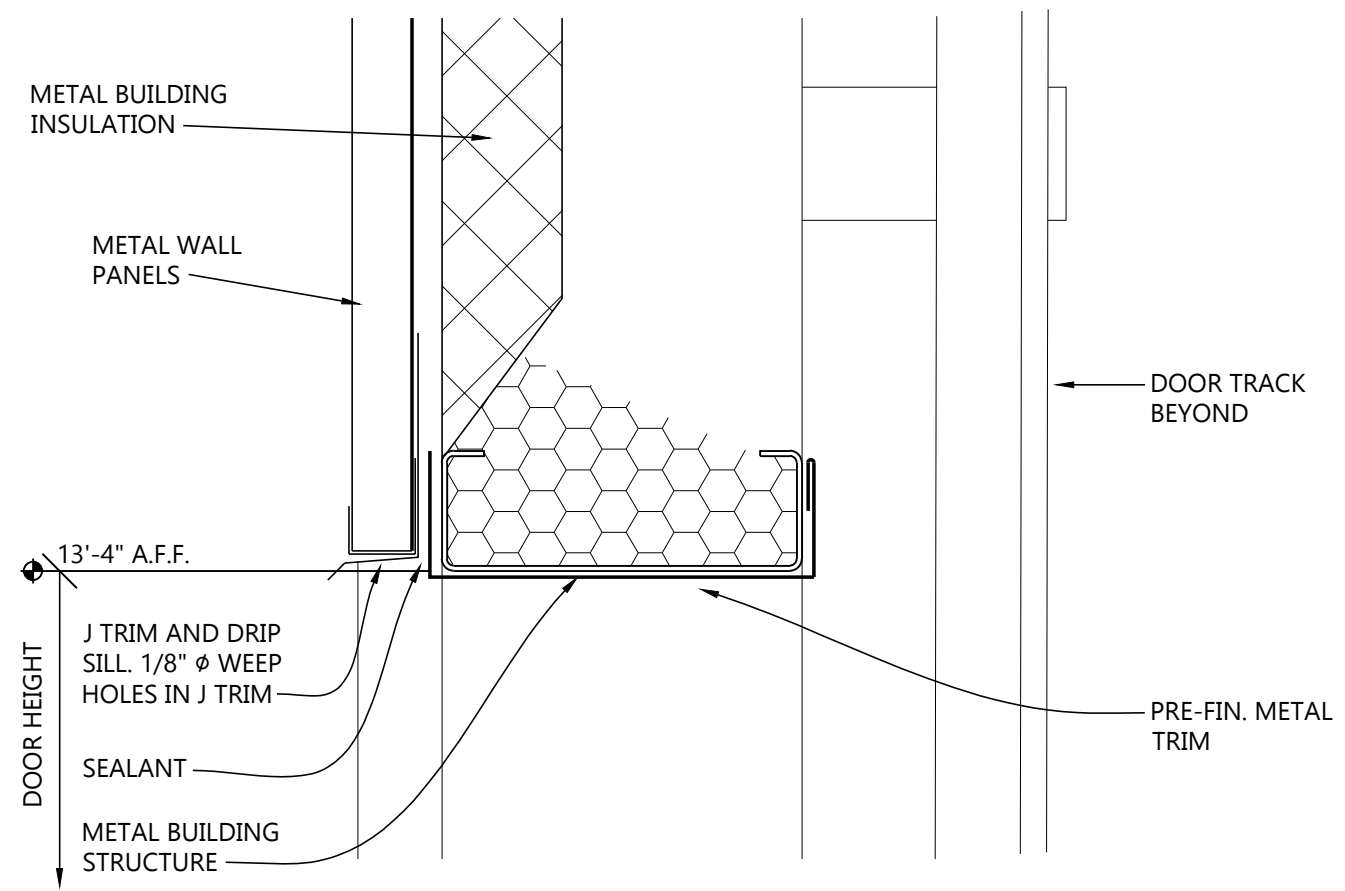
12
A7.2
DOOR JAMB DETAIL
SCALE : 3" = 1'-0"
SEE DETAIL 20/A7.3 FOR ADDITIONAL METAL DETAILS

13
A7.2
DELETED

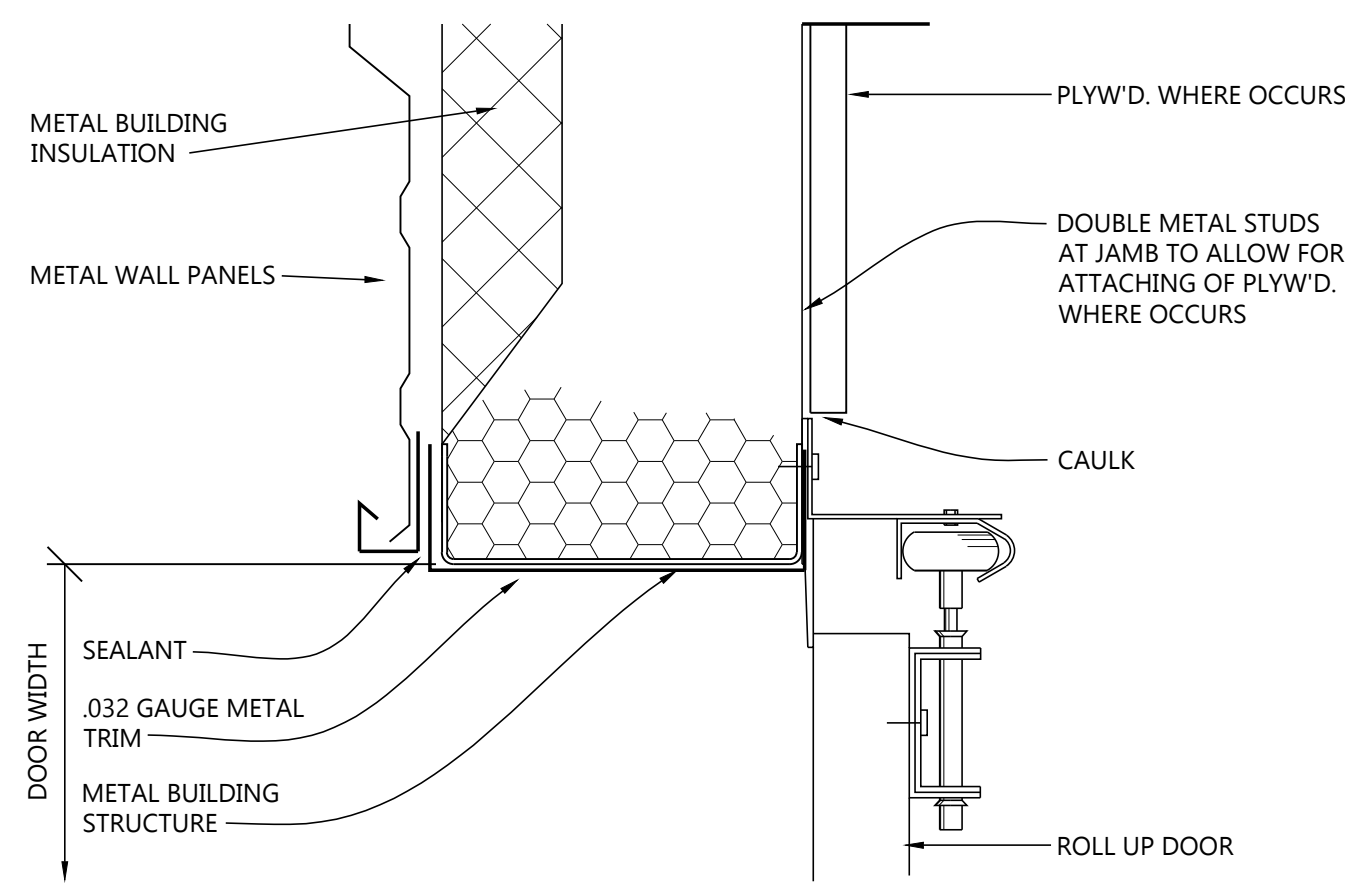


DRAWN	HW	CHECK	HW/PA
DATE	8/20/2026 R.T.A.		
REVISED			
REVISED			
SHEET TITLE DETAILS			
JOB NO. PH&J #2502-CUA DCM #2025417			
SEQUENCE	14	OF	39

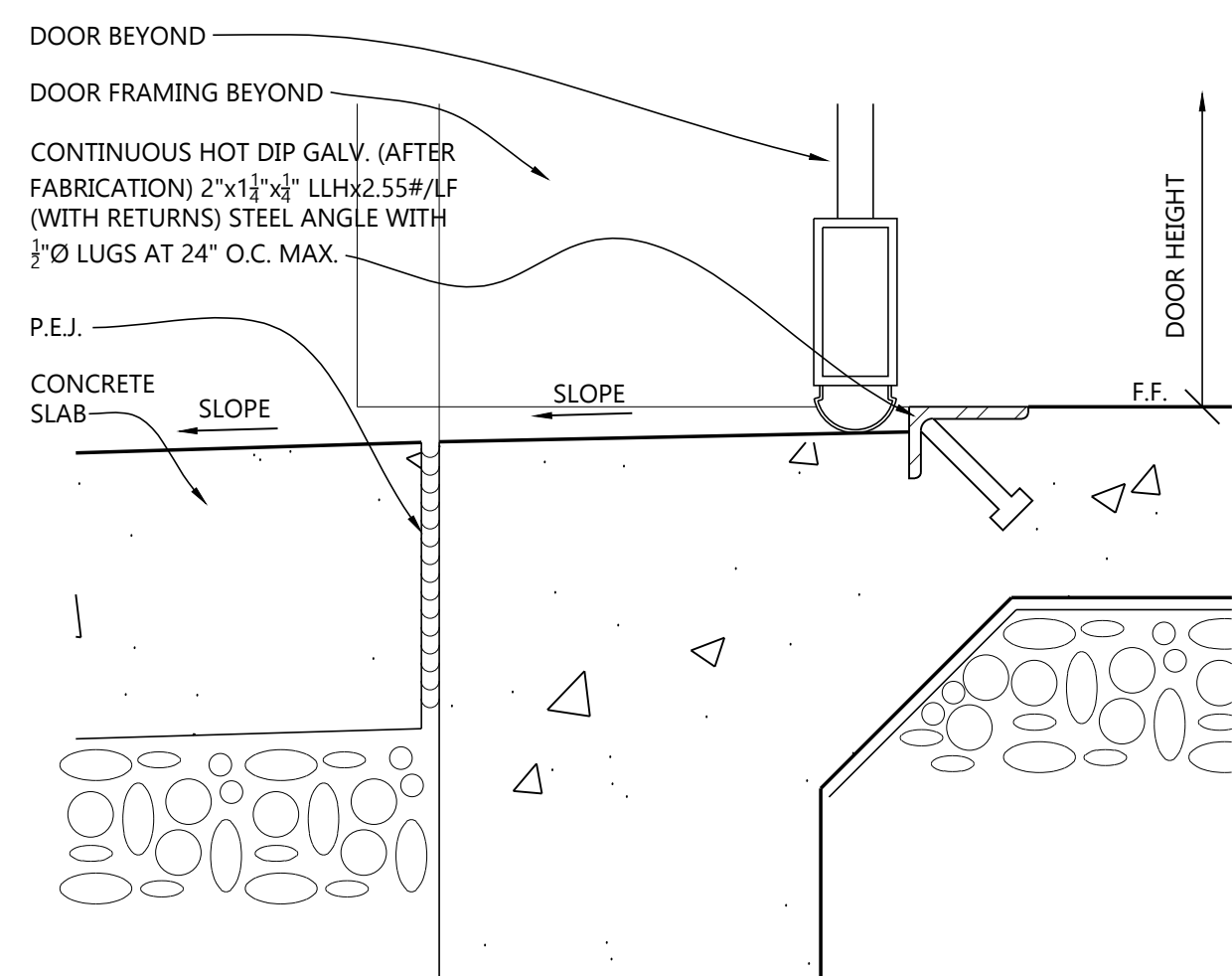
RE-BID
A7.2



14
A7.3 DOOR HEAD DETAIL
SCALE : 3" = 1'-0"
SEE DETAIL 20/A7.3 FOR ADDITIONAL METAL DETAILS



15
A7.3 DOOR JAMB DETAIL
SCALE : 3" = 1'-0"
SEE DETAIL 20/A7.3 FOR ADDITIONAL METAL DETAILS



16
A7.3 DOOR SILL DETAIL
SCALE : 3" = 1'-0"

17
A7.3 DELETED

18
A7.3 DELETED

19
A7.3 DELETED

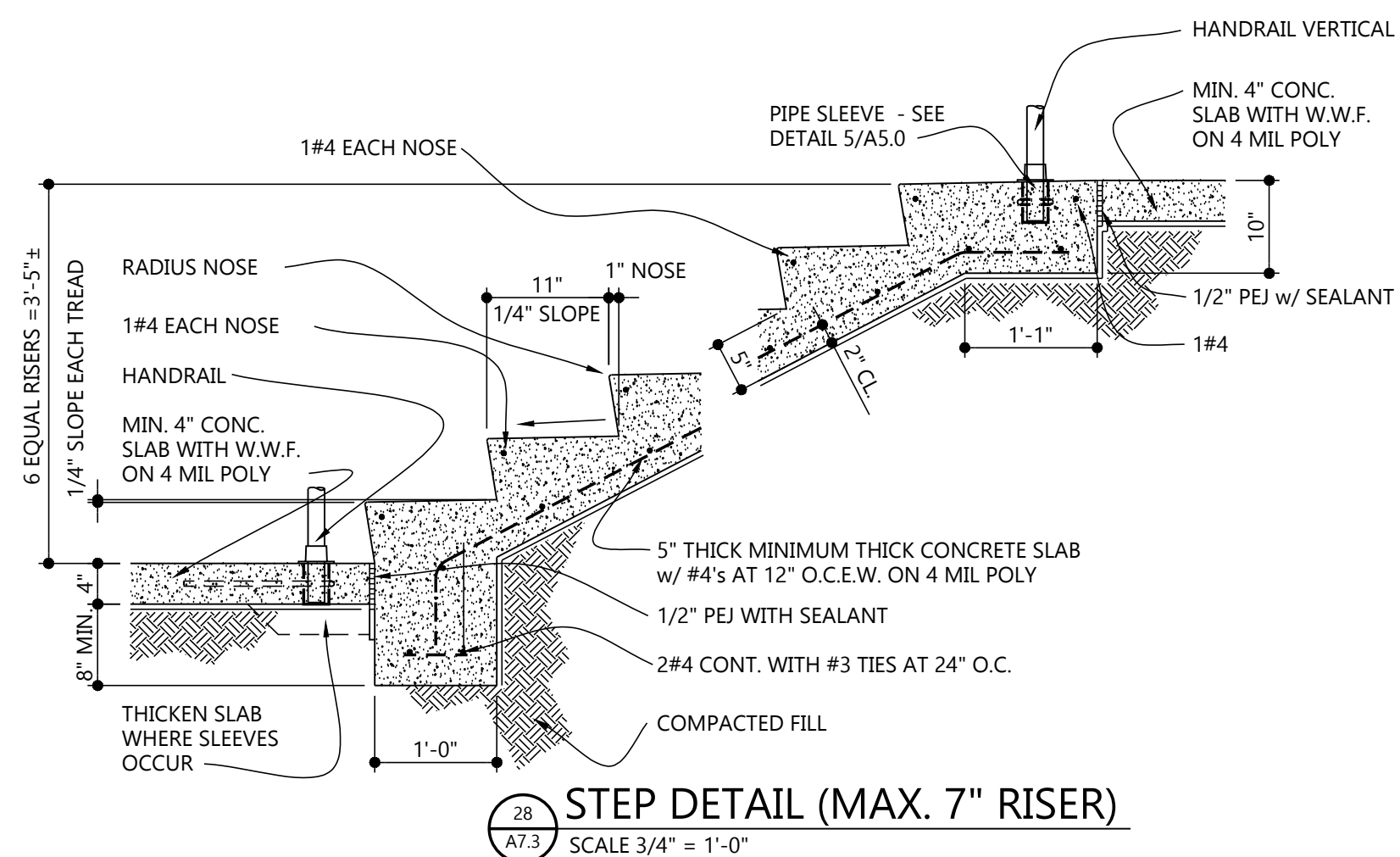
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A7.3 DELETED

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A7.3 DELETED

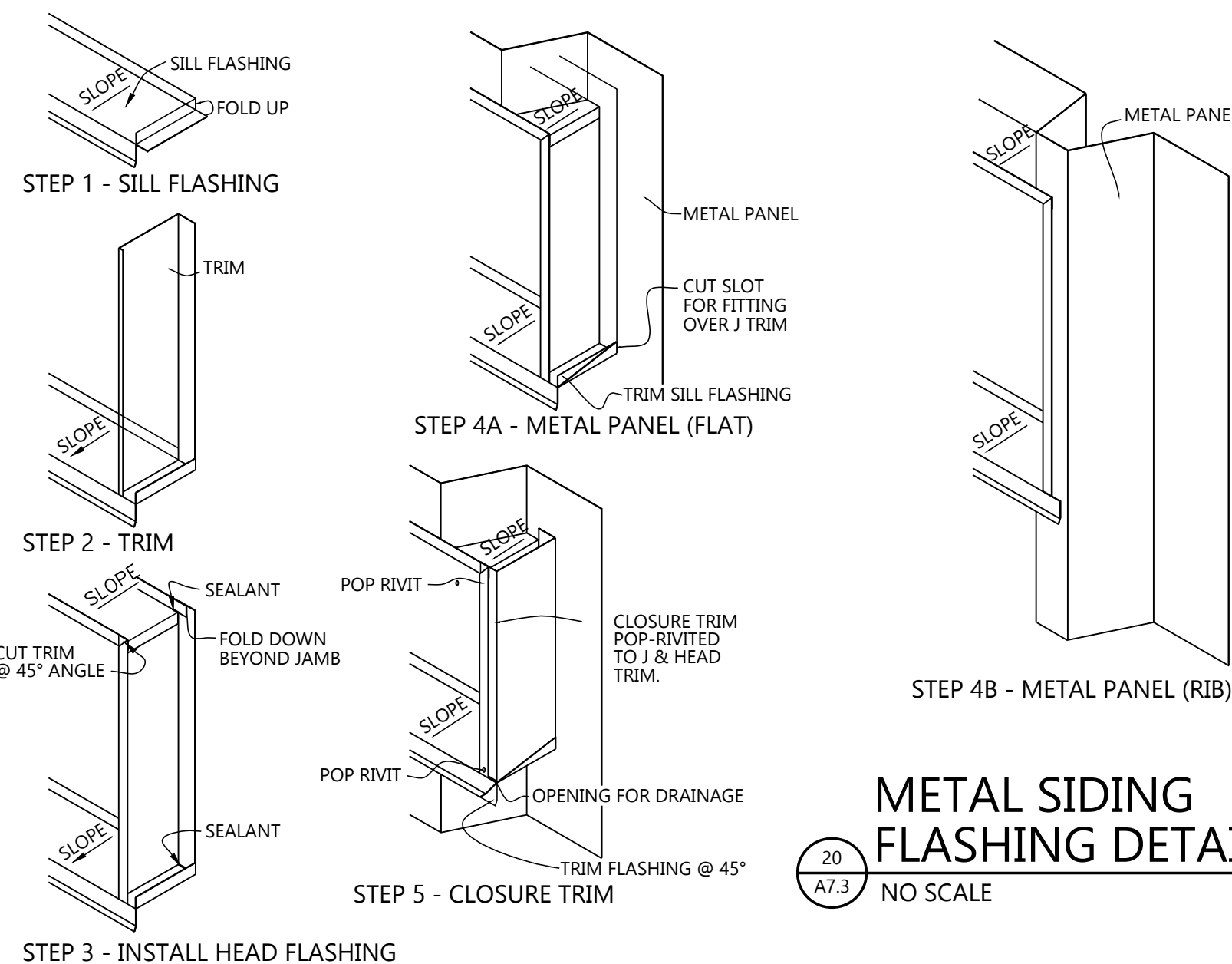
23
A7.3 DELETED

24
A7.3 DELETED

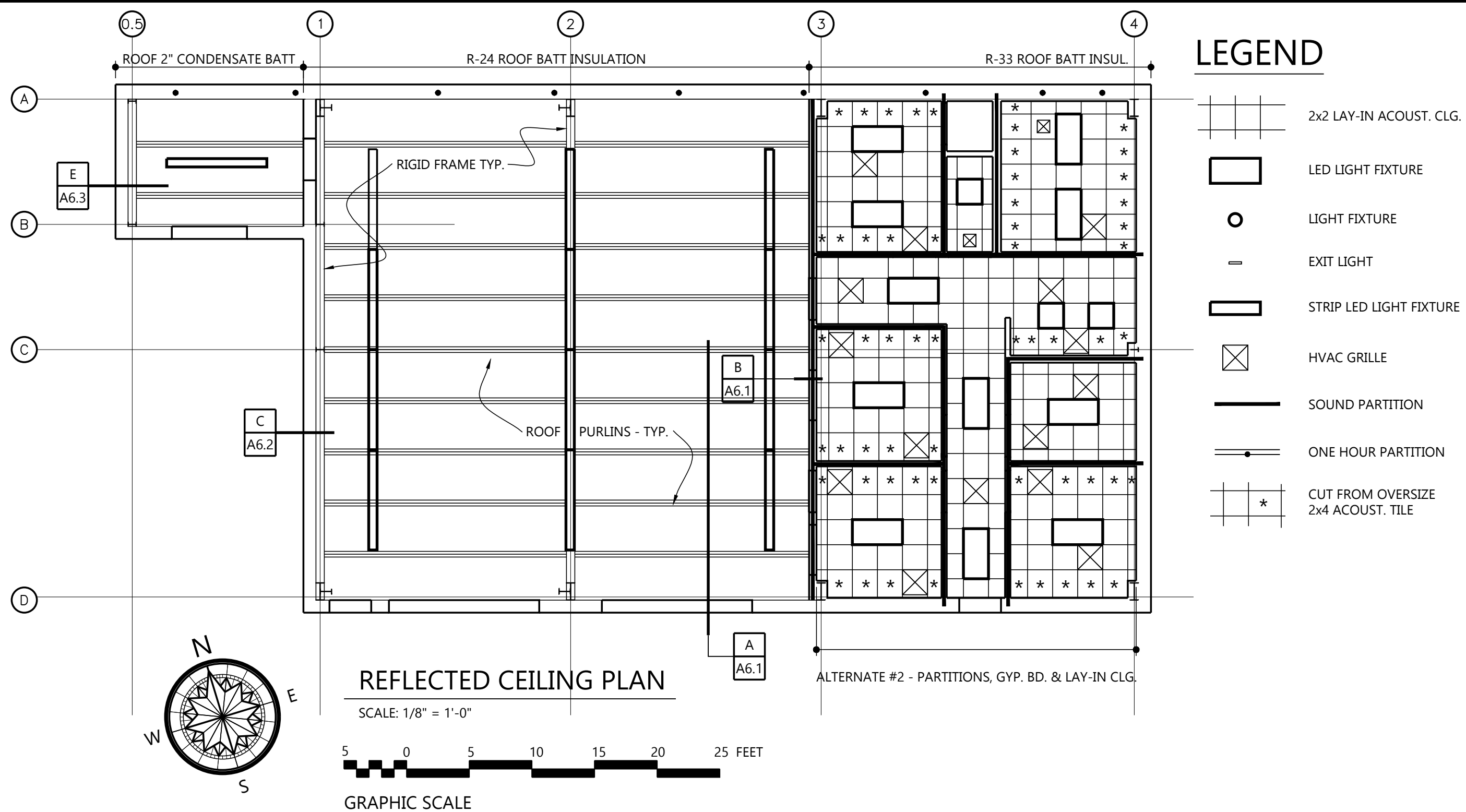
25
A7.3 DELETED



28
A7.3 STEP DETAIL (MAX. 7" RISER)
SCALE 3/4" = 1'-0"



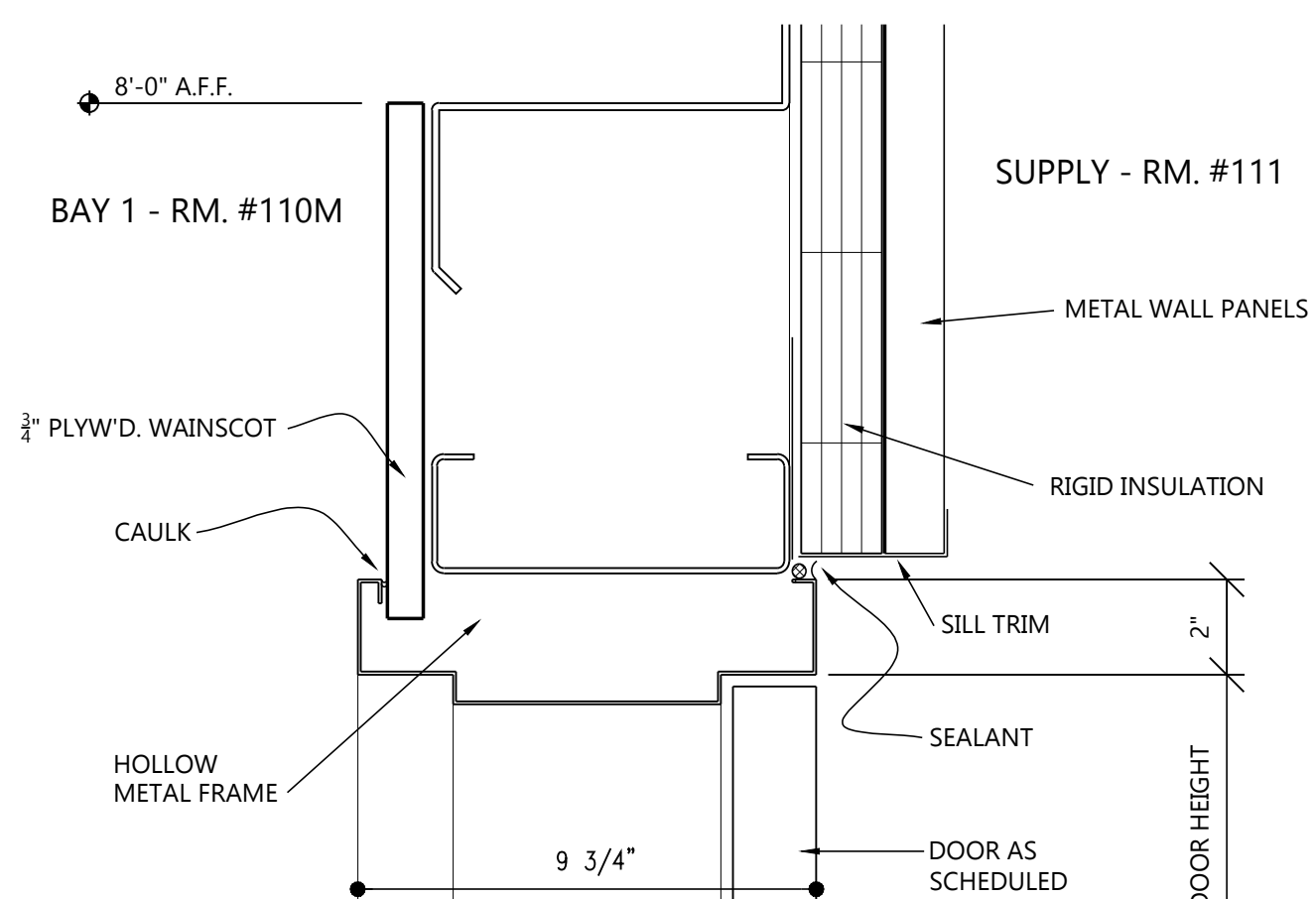
20
A7.3 METAL SIDING FLASHING DETAILS
NO SCALE



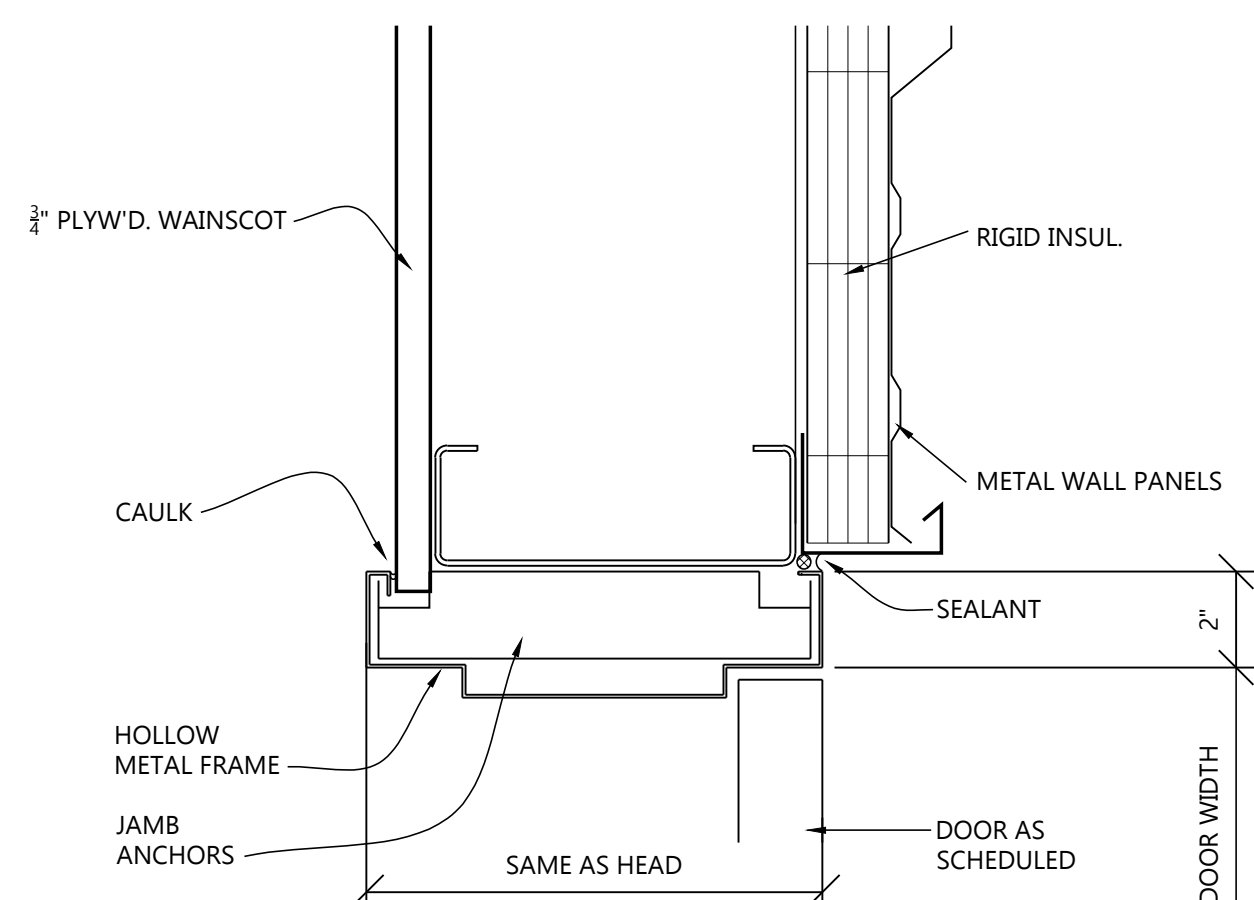
REFLECTED CEILING PLAN

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

GRAPHIC SCALE



26
A7.3 DOOR #1 HEAD DETAIL
SCALE : 3" = 1'-0"
SEE DETAIL 20/A7.3 FOR ADDITIONAL METAL DETAILS



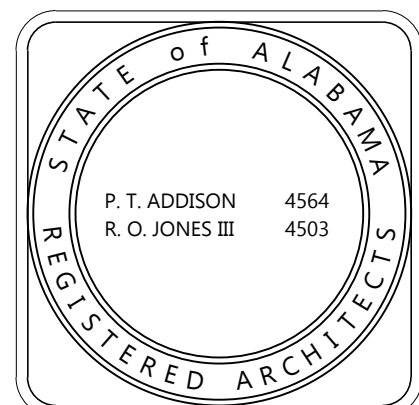
27
A7.3 DOOR #1 JAMB DETAIL
SCALE : 3" = 1'-0"
SEE DETAIL 20/A7.3 FOR ADDITIONAL METAL DETAILS

LEGEND

- 2x2 LAY-IN ACOUST. CLG.
- LED LIGHT FIXTURE
- LIGHT FIXTURE
- EXIT LIGHT
- STRIP LED LIGHT FIXTURE
- HVAC GRILLE
- SOUND PARTITION
- ONE HOUR PARTITION
- CUT FROM OVERSIZE 2x4 ACOUST. TILE

NEW FLEET MANAGEMENT BUILDING

FOR
AIDT
MONTGOMERY, ALABAMA

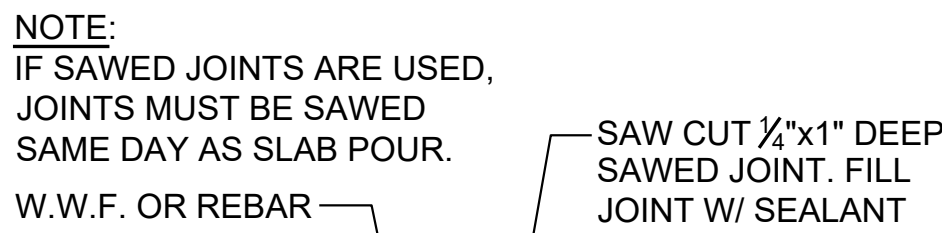


DRAWN	HW	CHECK	HW/PA
DATE	8/20/2026 R.T.A.		
REVISED			
REVISED			
SHEET TITLE			
DETAILS			
JOB NO. PH&J #2502-CUA			
DCM #2025417			
SEQUENCE	15	OF	39

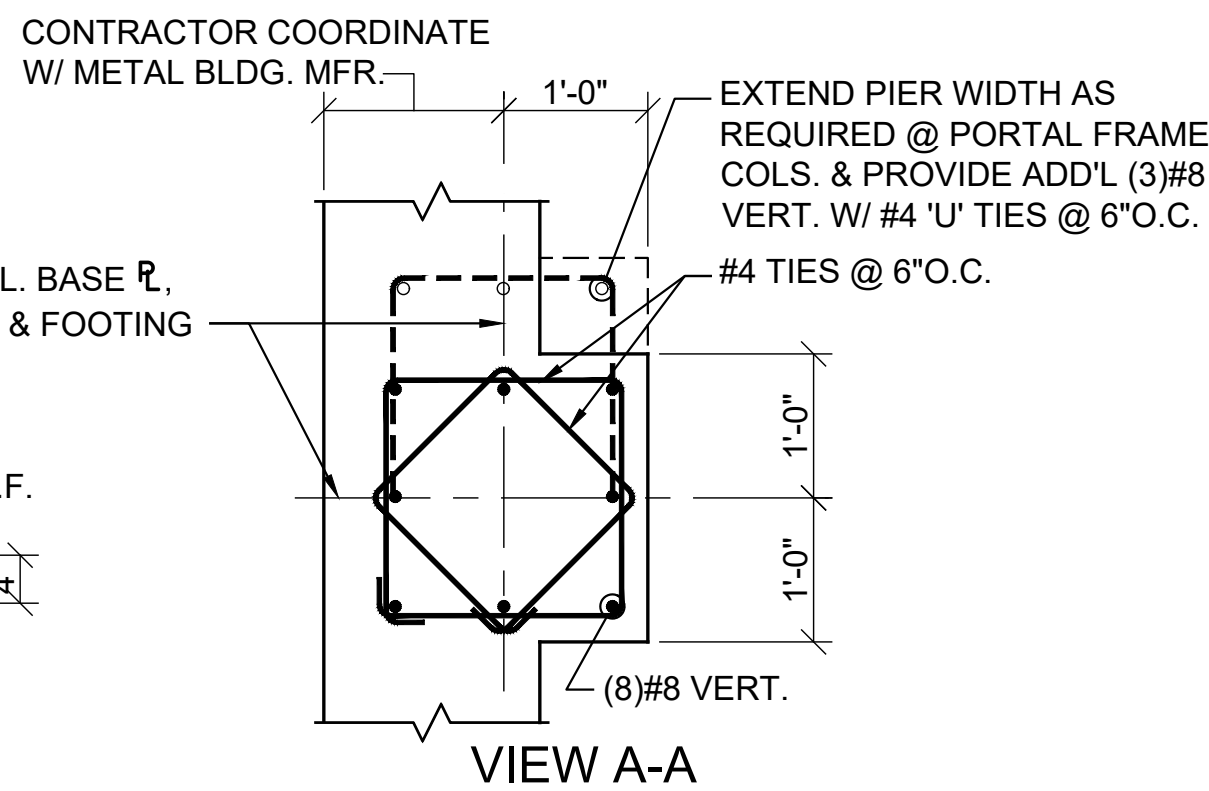
RE-BID
A7.3

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*=PROVIDE 180° HOOK EACH END ALL BARS.



1. STRUCTURAL STEEL:
1. ALL STRUCTURAL STEEL W AND WT SHAPES SHALL CONFORM TO ASTM A992 (GRADE 50). OTHER SHAPES SHALL CONFORM TO ASTM, A36, LATEST EDITION (EXCEPT STEEL TUBE SECTIONS).
2. STRUCTURAL STEEL TUBE SECTIONS SHALL CONFORM TO ASTM A500, GRADE B, $F_y = 46.0$ KSI.
3. HEADED STUDS SHALL BE TYPE B SHEAR CONNECTORS ($F_u = 65$ KSI).
4. THE FABRICATOR SHALL SUBMIT SHOP DRAWINGS FOR THE ARCHITECT AND/OR ENGINEER'S REVIEW.
5. THE CONTRACTOR SHALL VERIFY ALL SHOP DRAWINGS DIMENSIONS WITH STRUCTURAL AND ARCHITECTURAL PLANS AND DETAILS.
6. BOLTED CONNECTIONS SHALL BE MADE WITH HIGH STRENGTH BOLTS CONFORMING TO ASTM A325. USE 3/4 INCH DIAMETER MINIMUM.
7. CONNECTIONS NOT SHOWN ON DRAWINGS SHALL BE DESIGNED BY THE FABRICATOR. WHERE POSSIBLE USE DOUBLE ANGLE CONNECTIONS. USE MAXIMUM NUMBER OF BOLTS FOR DEPTH OF BEAM WITH SINGLE ROW OF BOLTS. WHERE DOUBLE ANGLE CONNECTIONS ARE NOT POSSIBLE, FABRICATOR SHALL DESIGN CONNECTION FOR CAPACITY EQUIVALENT TO DBL-ANGLE CONNECTION WITH MAX NO. BOLTS UNLESS DETAILED OTHERWISE.

MASONRY:

1. PROVIDE MASONRY HORIZONTAL JOINT REINFORCEMENT 16" O.C. VERTICAL IN ALL CONCRETE BLOCK WALLS. REINFORCEMENT SHALL BE FOR TOTAL WIDTH OF CAVITY WALLS.
2. CONCRETE OR GROUT FOR BLOCK FILL SHALL HAVE 3/8 INCH MAXIMUM SIZE COARSE AGGREGATE AND SUFFICIENT WATER SO THE CONCRETE WILL FLOW INTO THE BLOCK CELLS WITHOUT LEAVING VOIDS. HEIGHT OF LIFT WHEN FILLING CELLS SHALL NOT EXCEED 4'-8".
3. CONCRETE OR GROUT FILL FOR C.M.U. SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH OF $f'_c = 3000$ PSI.
4. PROVIDE REINFORCING BAR SUPPORTS AS REQUIRED TO CENTER VERTICAL REINFORCING IN MASONRY WALLS.
5. PROVIDE 3" DIAMETER LAP SPLICE IN VERTICAL MASONRY REINFORCING WHERE REQUIRED.
6. PROVIDE CORNER BARS IN U-BLOCK BOND BEAMS AT CORNERS, TYPICAL.
7. ALL CMU SHALL BE PLACED IN A RUNNING BOND PATTERN.

DESIGN LIVE LOADS:
 ROOF.....20 PSF.
 RISK CATEGORY (PER IBC 2021/ASCE 7-16).....II
 WIND.....INTERNATIONAL BUILDING CODE (PER ASCE 7-16)
 ULTIMATE DESIGN WIND SPEED (Vult).....113 MPH
 NOMINAL DESIGN WIND SPEED (Vasd).....88 MPH
 WIND EXPOSURE.....C
 INTERNAL PRESSURE COEFFICIENTS.....+/-0.18
 SEISMIC.....INTERNATIONAL BUILDING CODE (PER ASCE 7-16)
 SEISMIC IMPORTANCE FACTOR.....Ie=1.0
 MAPPED SPECTRAL ACCELERATION (SHORT-TERM),Ss=m
 MAPPED SPECTRAL ACCELERATION (1-SECOND),S1=0.1
 SITE CLASS.....D
 SHORT-PERIOD SPECTRAL RESPONSE ACCEL.....Sds=0.1
 1-SECOND SPECTRAL RESPONSE ACCEL.....Sd1=0.120
 SEISMIC DESIGN CATEGORY.....B
 SEISMIC FORCE-RESISTING SYSTEM:
 STEEL RIGID MOMENT RESISTING FRAMES
 DESIGN BASE SHEAR (ULTIMATE).....2.6k
 SEISMIC RESPONSE COEFFICIENT.....Cs=0.047
 RESPONSE MODIFICATION FACTOR.....R=3
 ANALYSIS PROCEDURE.....ASCE 7 (SECT 12.8)

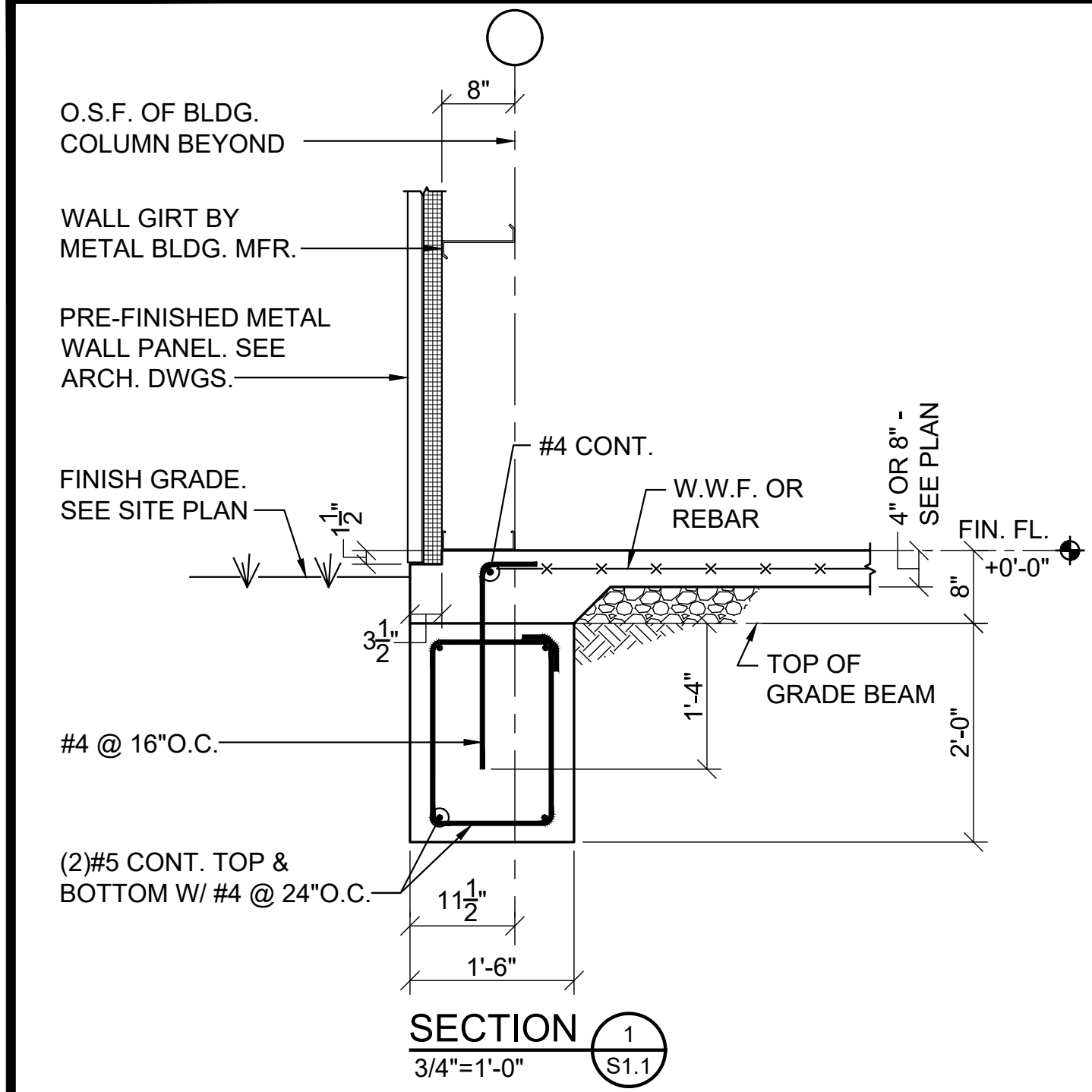
SNOW.....INTERNATIONAL BUILDING CODE
GROUND SNOW LOAD.....Pg=5 PSF

COMPONENTS AND CLADDING ULTIMATE WIND PRESSURES:
NOTE: MULTIPLY ALL VALUES SHOWN BELOW BY 0.6 TO GET ALLOWABLE
DESIGN PRESSURES.
SEE FIGURE 30.4-1 OF ASCE 7-16 FOR INDICATED ZONES.

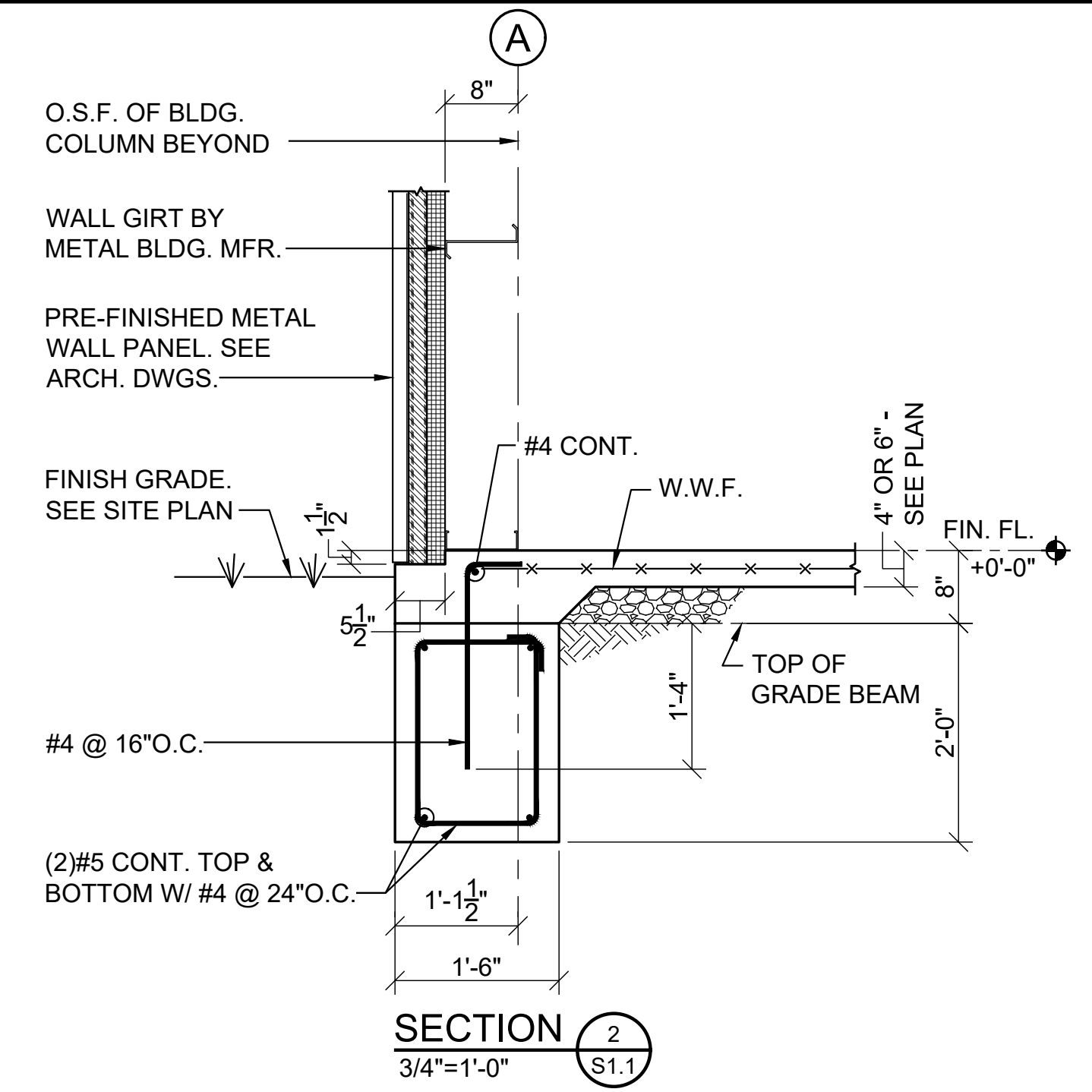
ROOF:TRIBUTARY AREA A = 10 SF
 ZONE 1 = .455 PSF/11.7 PSF
 ZONE 2 = -60.0 PSF/11.7 PSF
 ZONE 3 = -81.7 PSF/11.7 PSF
 ZONE 4 = -26.1 PSF/11.7 PSF
 ROOF:TRIBUTARY AREA A = 100 SF
 ZONE 1 = .355 PSF/2 PSF
 ZONE 2 = -47.2 PSF/2 PSF
 ZONE 3 = -56.1 PSF/2 PSF
 ZONE 1 = -26.1 PSF/2 PSF
 WALL:TRIBUTARY AREA A = 10 SF
 ZONE 4 = -31.0 PSF/28.6 PSF
 ZONE 5 = -38.2 PSF/28.6 PSF
 WALL:TRIBUTARY AREA A = 50 SF
 ZONE 4 = -28.0 PSF/25.6 PSF
 ZONE 5 = -32.3 PSF/25.6 PSF
 WALL:TRIBUTARY AREA A = 100 SF
 ZONE 4 = -26.7 PSF/24.2 PSF
 ZONE 5 = -29.6 PSF/24.2 PSF
 CORNER ZONE = 4.1 FT

SPECIAL INSPECTIONS:
ALL SPECIAL INSPECTIONS REQUIRED BY CHAPTER 17 OF IBC
SHALL BE PERFORMED BY A DESIGNATED TESTING AGENCY OR
AGENCIES RESPONSIBLE FOR SPECIAL INSPECTIONS.

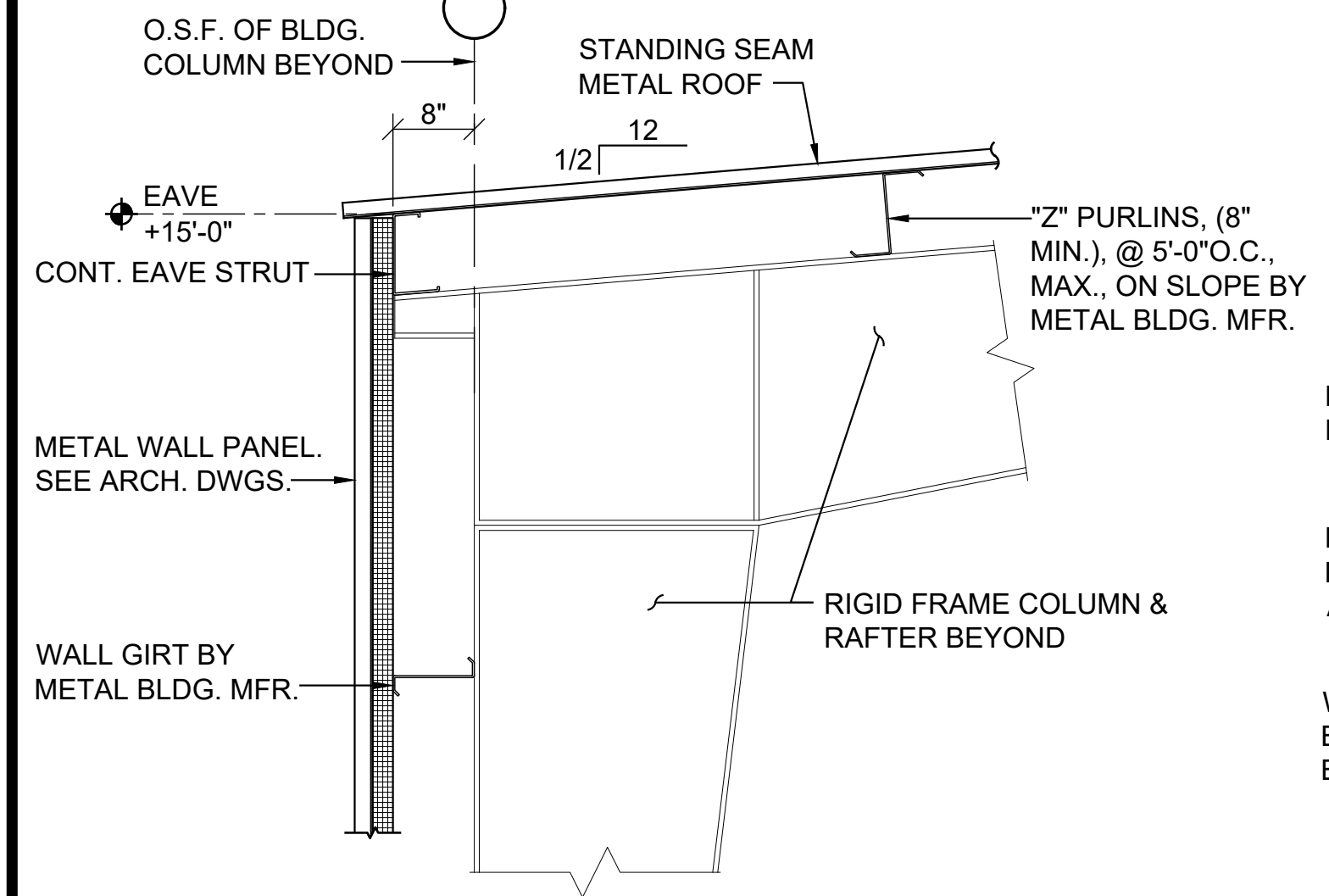




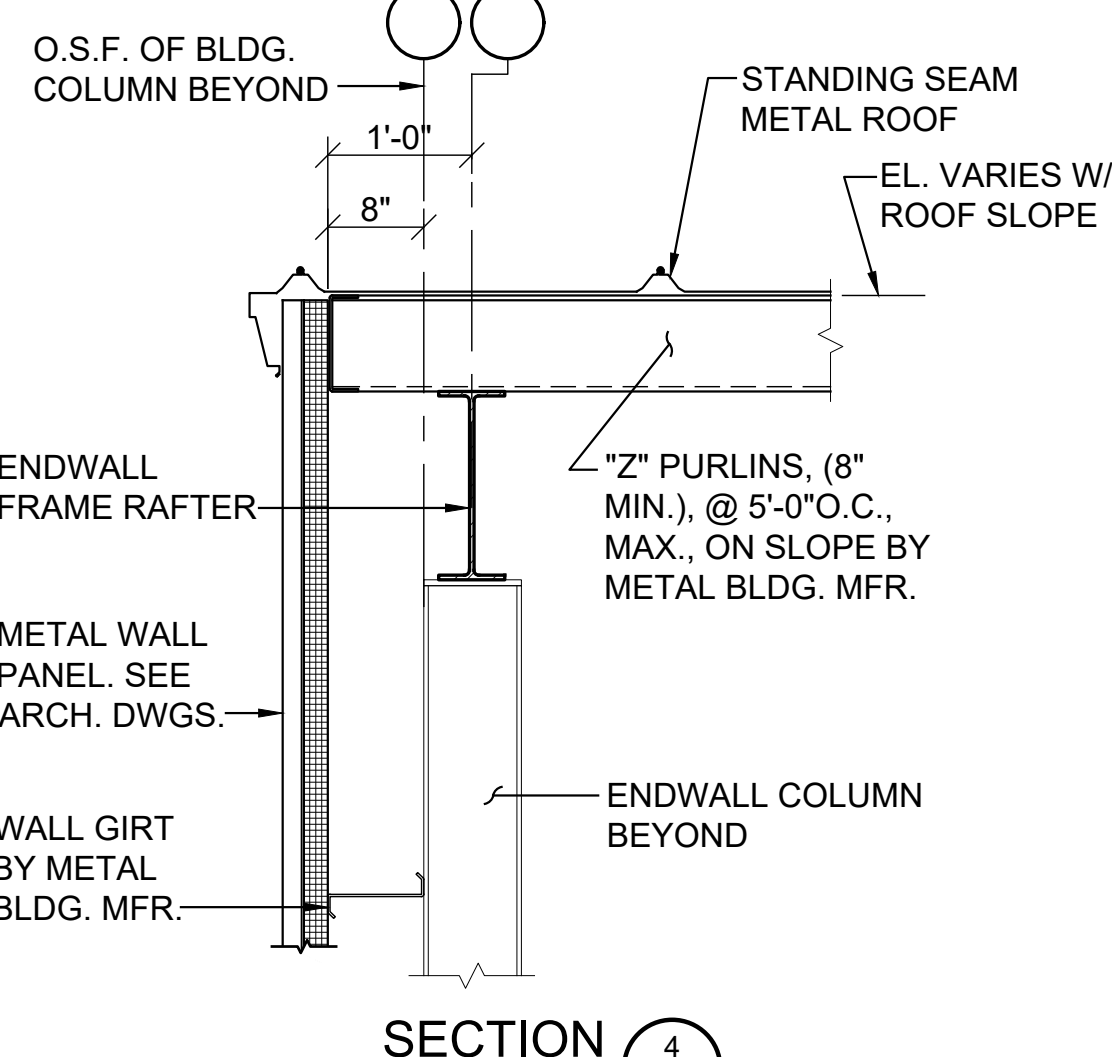
SECTION 1
3/4"=1'-0" S1.1



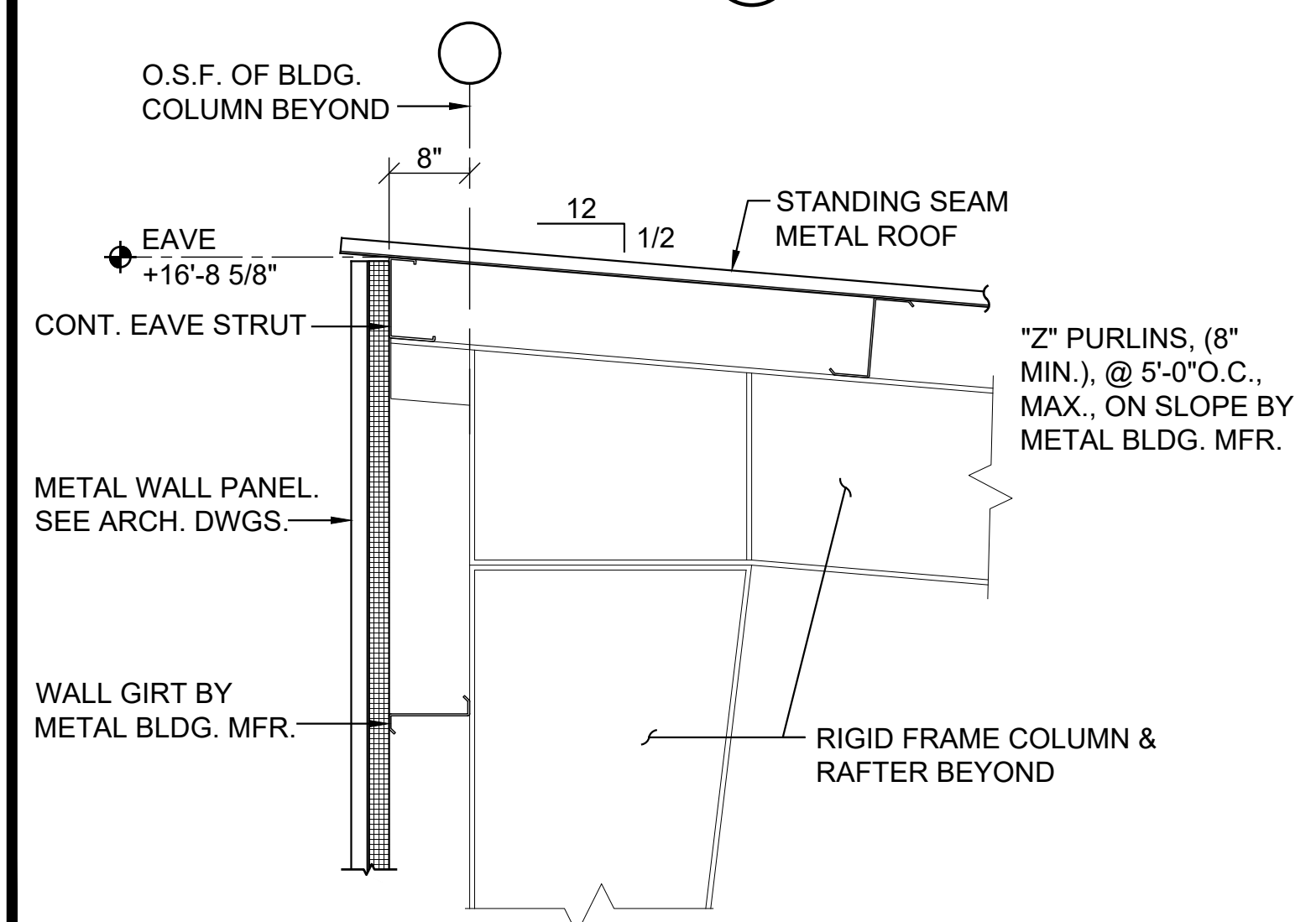
SECTION 2
3/4"=1'-0" S1.1



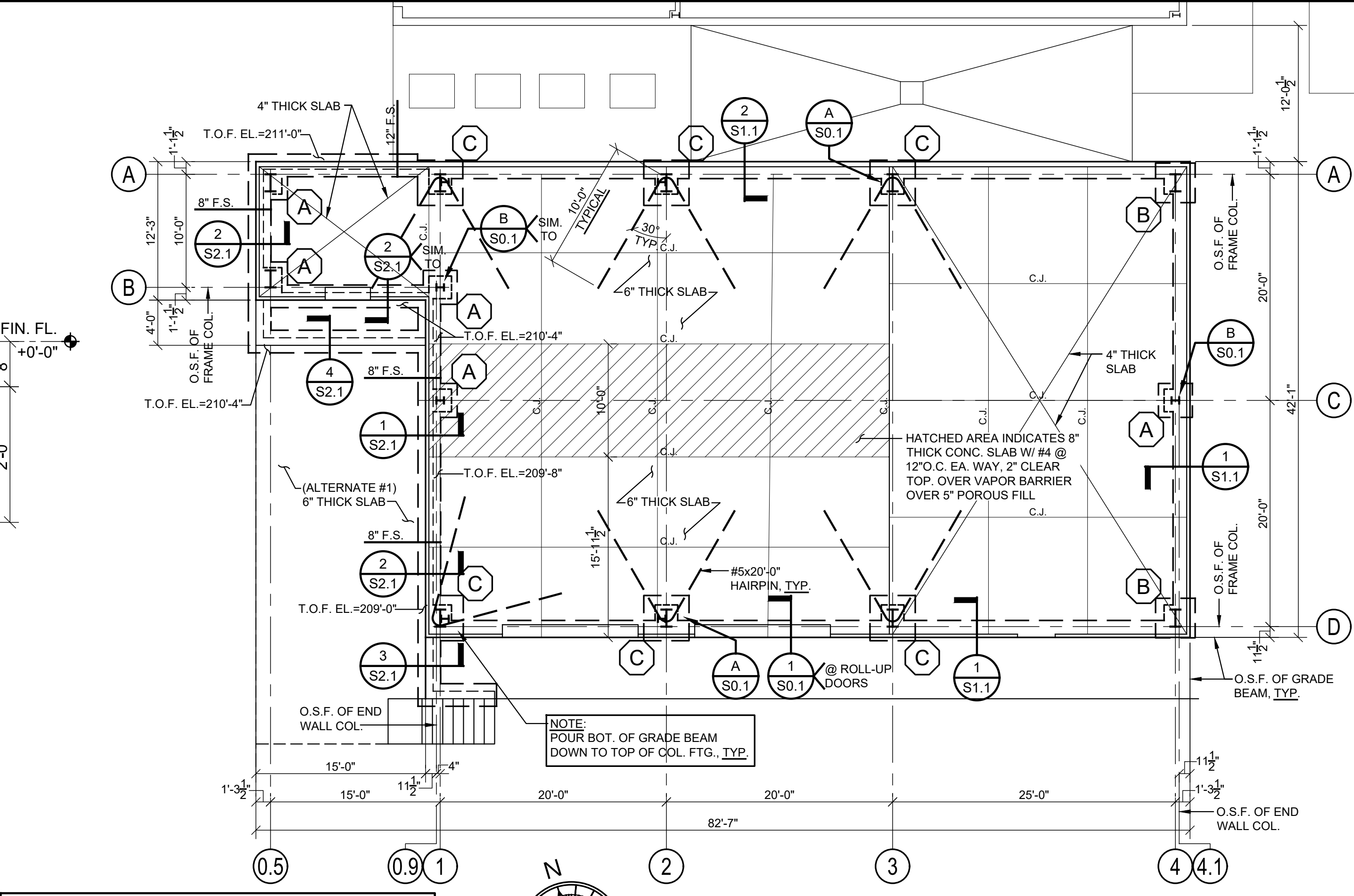
SECTION 3
3/4"=1'-0" S1.1



SECTION 4
3/4"=1'-0" S1.1



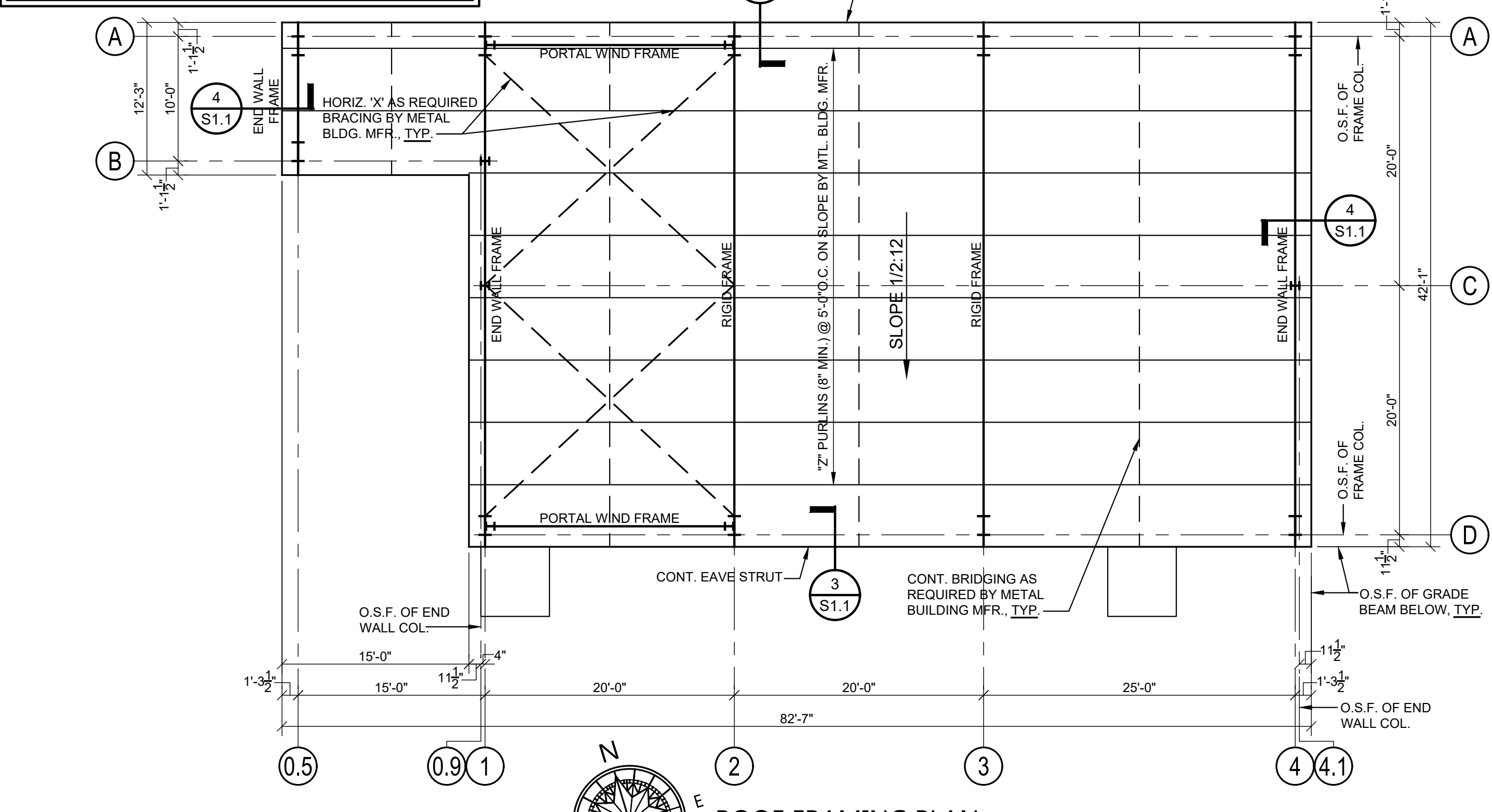
SECTION 5
3/4"=1'-0" S1.1



FLOOR CONSTRUCTION
4" THICK CONCRETE SLAB W/ 6x6-W1.4xW1.4 W.W.F. OVER VAPOR BARRIER OVER 5" POROUS FILL.
6" THICK CONCRETE SLAB W/ 6x6-W2.9xW2.9 W.W.F. OVER VAPOR BARRIER OVER 5" POROUS FILL.
FINISH FLOOR EL. = 213'-8" (+0'-0")

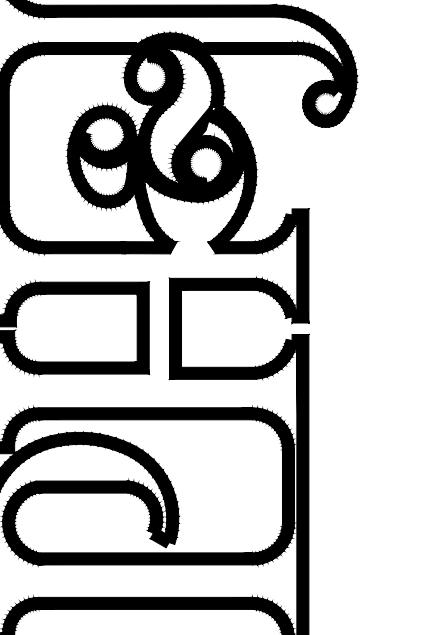
FOUNDATION PLAN
SCALE: 1/8" = 1'-0"

NOTE:
UNLESS NOTED OTHERWISE, TOP OF FOOTING EL. = 212'-0" (-1'-8")



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

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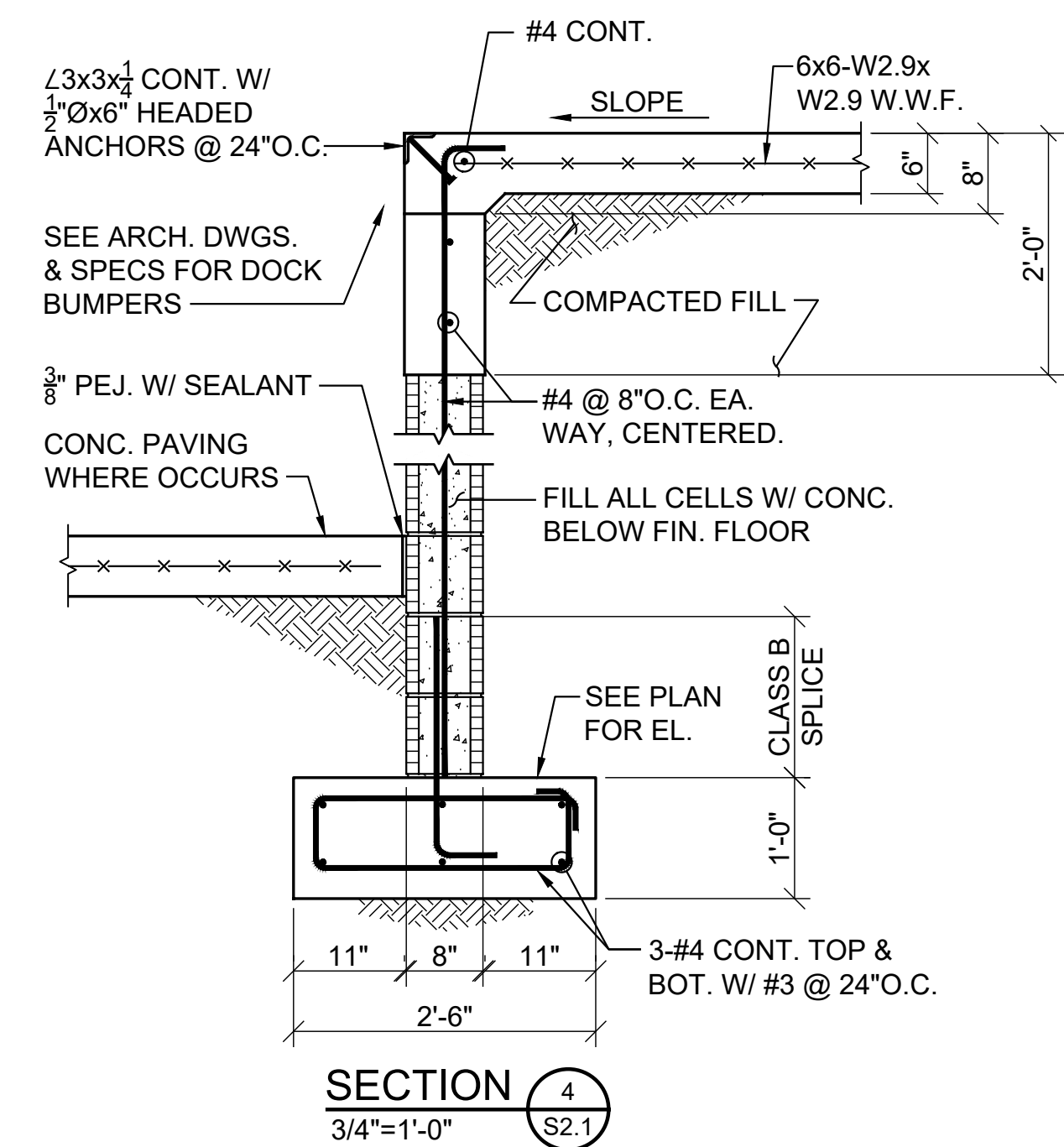
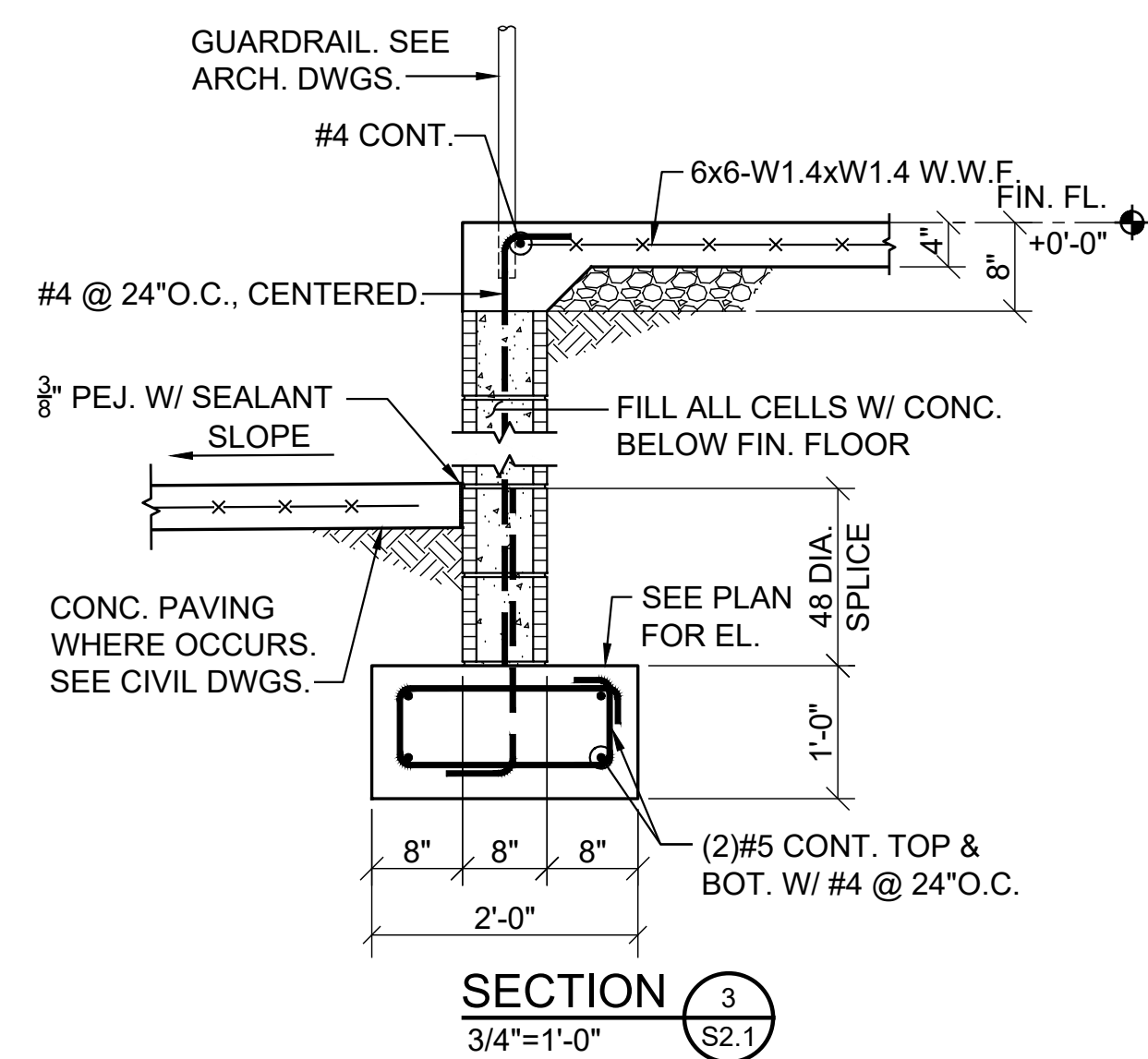
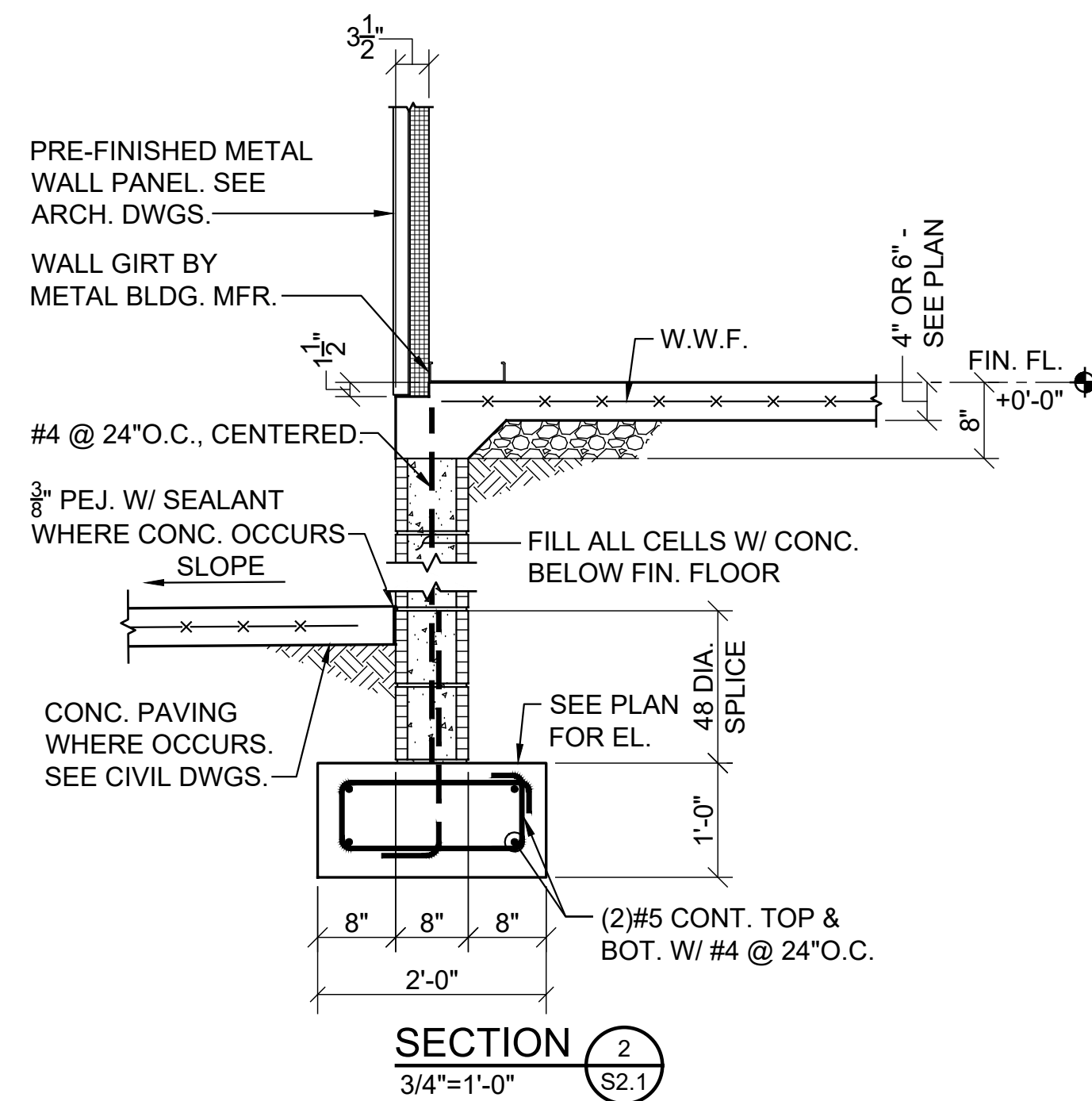
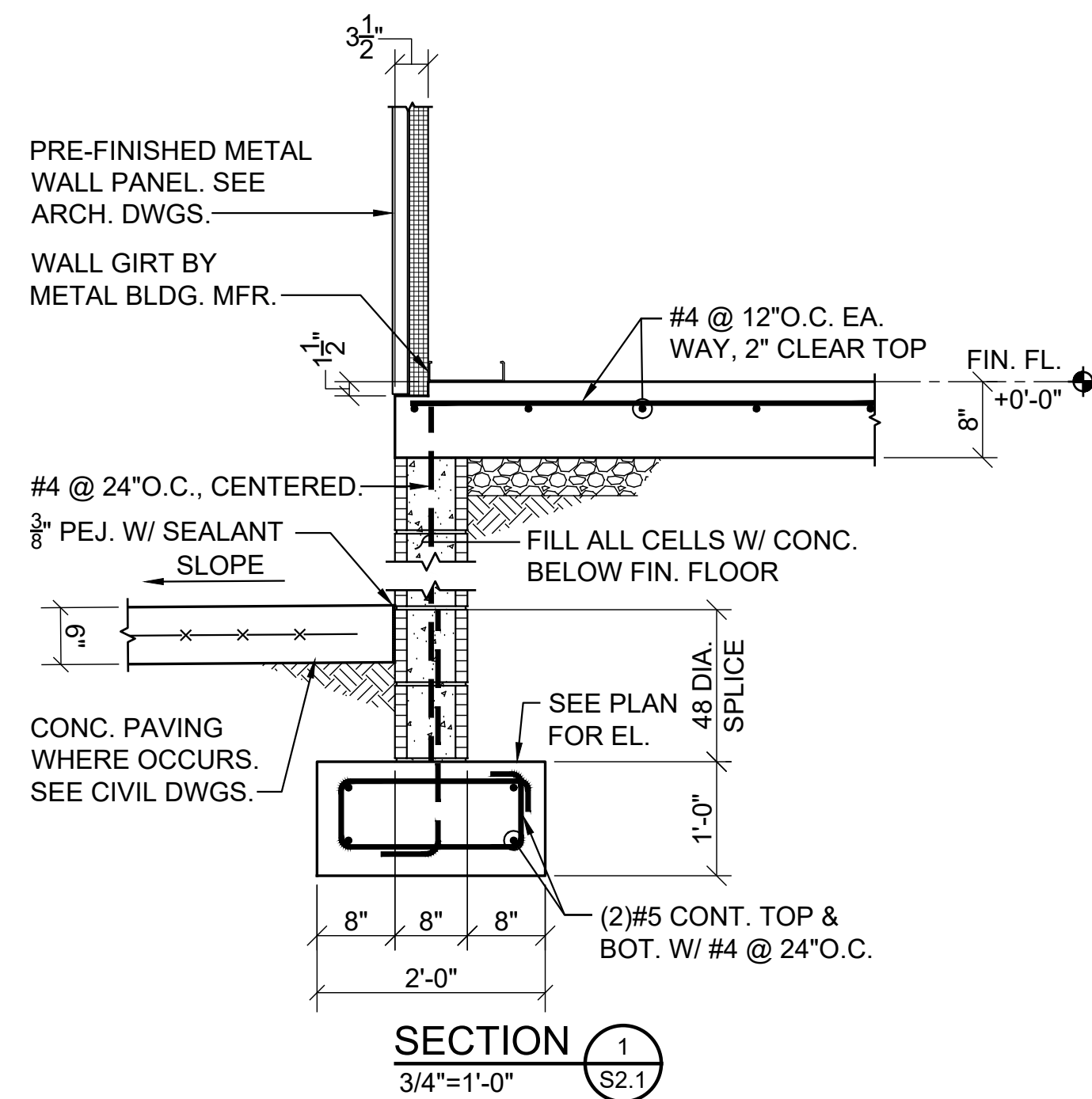


NEW FLEET MANAGEMENT BUILDING
FOR
AIDT
MONTGOMERY, ALABAMA



DRAWN	RLC	CHECK	RMO
DATE	AUGUST 20, 2026 R.T.A.		
REVISED			
REVISED			
SHEET TITLE FOUNDATION & ROOF FRAMING PLANS			
JOB NO. PH&J #2502-CUA DCM #2025417			
SEQUENCE NO.	17	OF	39

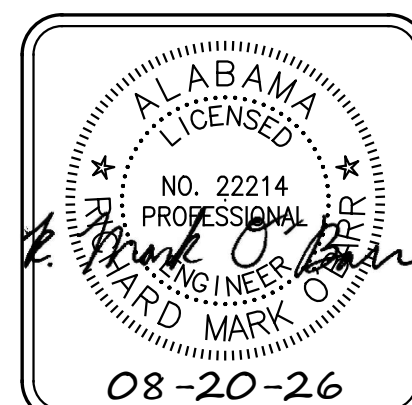
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S1.1
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NEW FLEET MANAGEMENT BUILDING

FOR
AIDT
MONTGOMERY, ALABAMA

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DRAWN	RLC	CHECK	RMC
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DATE AUGUST 20, 2026 R.T.A

REVISED

REVISÉ

SHEET TITLE
SECTIONS AND DETAILS

JOB NO. PH&J #2502-CUA
DCM #2025417

SEQUENCE NO 18 OF 39

RE-BID

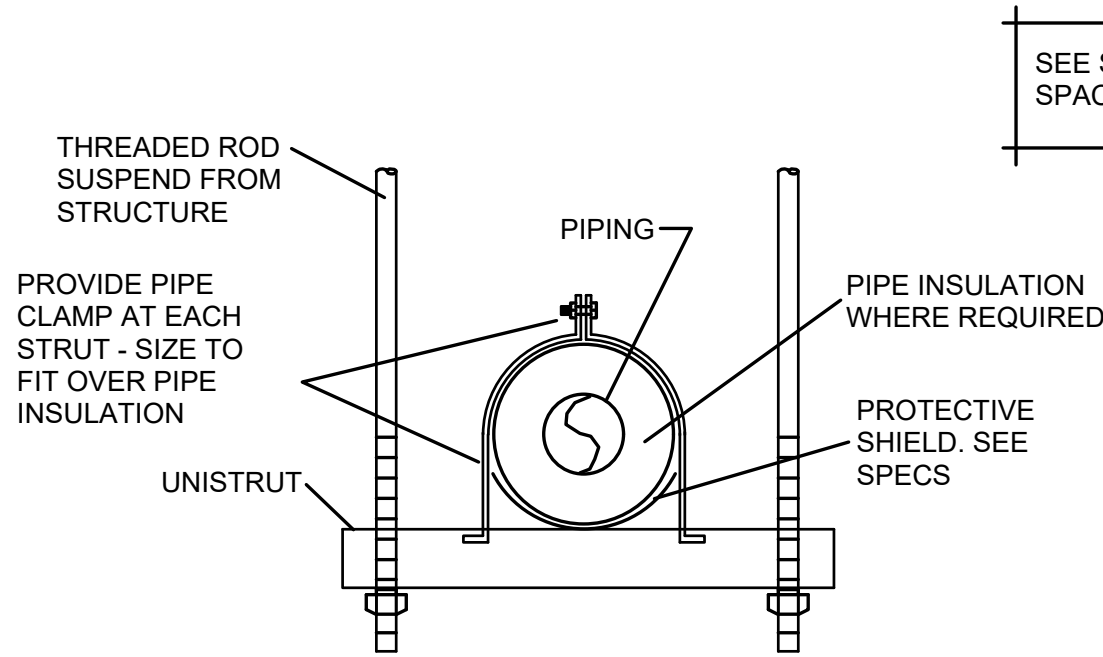
S2.1

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PLUMBING FIXTURE SCHEDULE

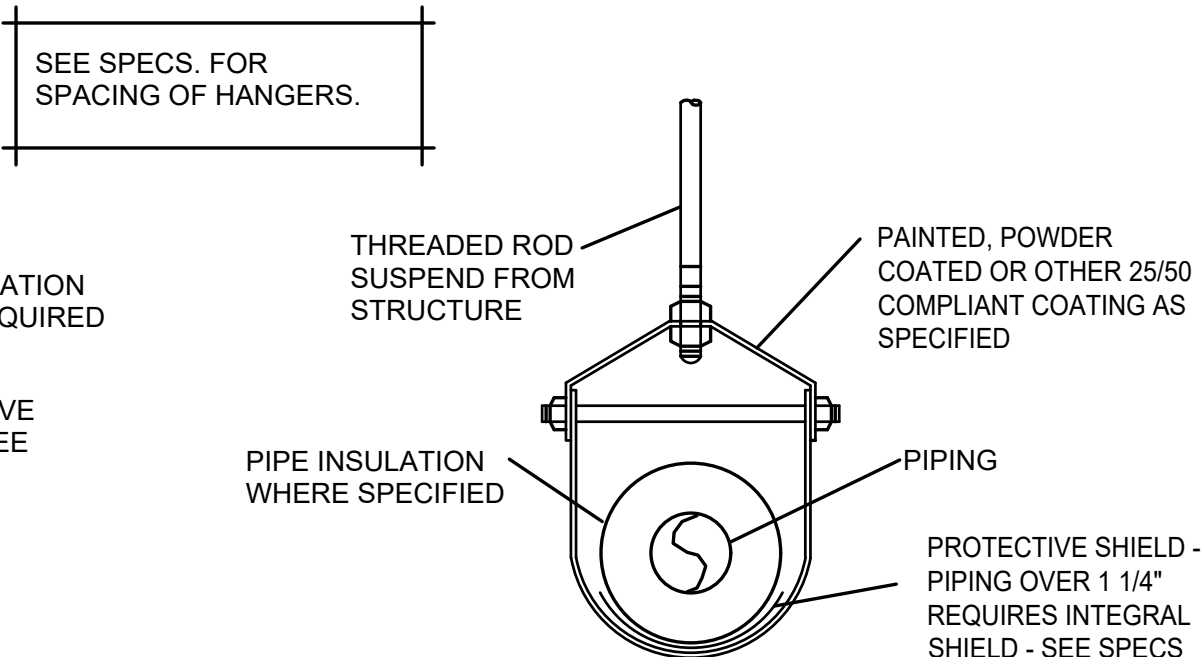
NO.	FIXTURE	WASTE	C.W.	H.W.	REMARKS
P1	ADA WATER CLOSET	3"	1/2"	---	FL. MTD. - ADA
P2	WATER CLOSET	3"	1/2"	---	FL. MTD.
P3	ADA LAVATORY **	1 1/4"	1/2"	1/2"	WALL HUNG - SEE ARCH. PLANS FOR MTD. HEIGHT
P4	MOP SINK	3"	1/2"	1/2"	TRAP STANDARD
P5	SPLIT LEVEL EWC	1 1/2"	1/2"	---	WALL HUNG - HIGH/LOW W/ BOTTLE FILLER
P6	NOT USED				
P7	EMERGENCY EYEWASH	F.D.	1/2"	1/2"	---
P8	SINK (BREAK ROOM)	1 1/2"	1/2"	1/2"	2-COMP. MTD. IN COUNTER
P9	REFRIG. ICE MAKER	---	1/2"	---	ROUGH-IN AND CONN.
P10	MOP SINK	1 1/2"	1/2"	1/2"	FLOOR MOUNTED
P11					
P12					
P13					
P14					

** PROVIDE A WATER TEMPERATURE LIMITING DEVICE EQUAL TO SYMMONS #5-210-CK (ASSE STD. 1070) WITH 1/2" TEMPERED WATER LINE TO FAUCET.



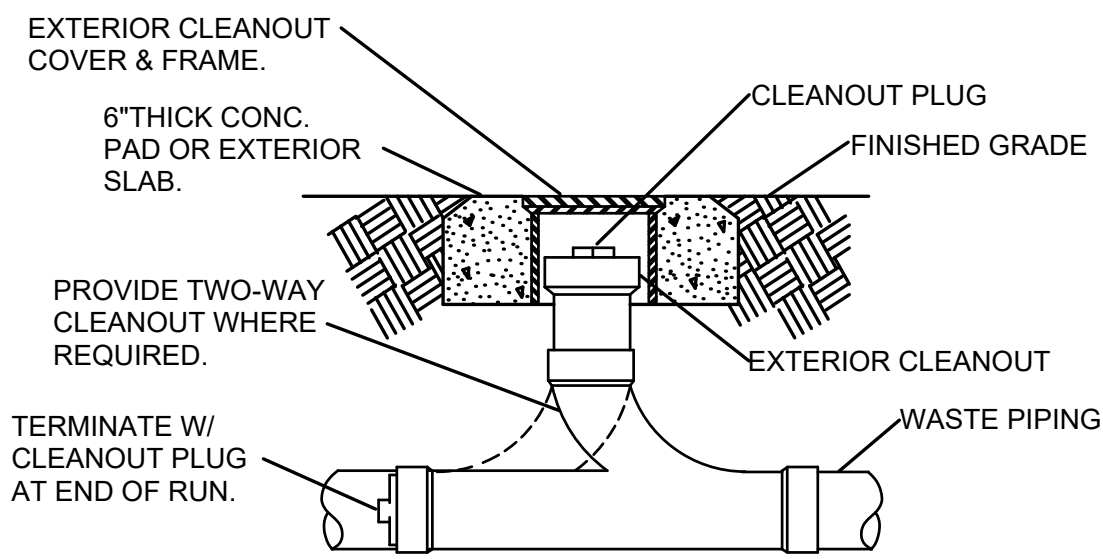
TYP. PIPE HANGER DETAIL

NO SCALE



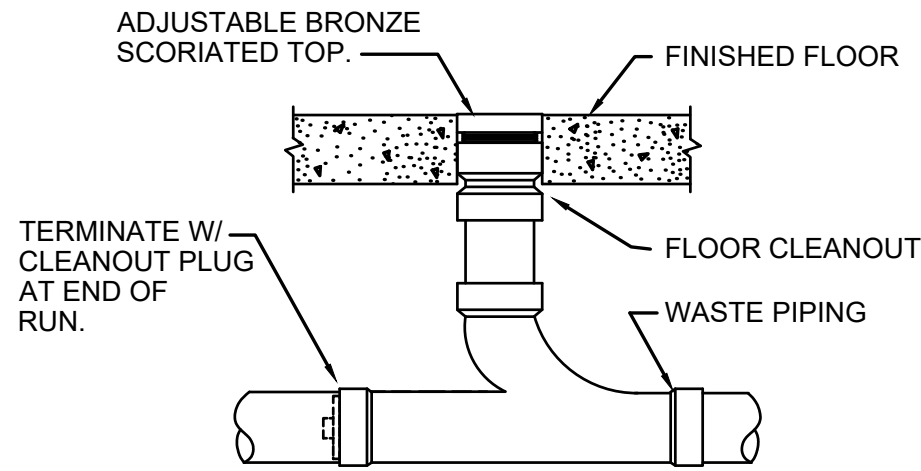
TYP. PIPE HANGER DETAIL

NO SCALE



TYP. EXTERIOR CLEANOUT DETAIL

NO SCALE



TYP. FLOOR CLEANOUT DETAIL

NO SCALE

NOTES

1. PROVIDE A BALL VALVE ON EACH SIDE OF EVERY DIELECTRIC UNION TO FACILITATE ITS REMOVAL.
2. PROVIDE A DEEP SEAL P-TRAP FOR EACH FLOOR DRAIN AND HUB DRAIN.
3. PROVIDE A VACUUM BREAKER FOR EACH WALL HYDRANT AND HOSE BIBB.
4. RUN ALL WATER PIPING WITHIN BUILDING INSULATION ENVELOPE.
5. COORDINATE ALL PIPING RUNS WITH THE ELECTRICAL CONTRACTOR. DO NOT RUN PIPING OVER ELECTRICAL TRANSFORMERS, PANELS AND EQUIPMENT. MAINTAIN CLEARANCE AS REQUIRED BY THE NATIONAL ELECTRICAL CODE. (GENERALLY MIN. 3 FEET).
6. ALL WASTE AND VENT PIPING INSIDE RETURN AIR PLENUM SPACES SHALL BE CAST IRON PIPE AND FITTINGS AS SPECIFIED.
7. MAINTAIN MIN. OF 10 LINEAR FEET FROM PLUMBING VENTS TO HVAC FRESH AIR (OUTSIDE AIR) INTAKES.
8. H/C - HANDICAP - FIXTURES AND INSTALLATION SHALL MEET AMERICANS WITH DISABILITIES ACT (A.D.A.) REQUIREMENTS.
9. FLUSH VALVE HANDLE FOR HANDICAP WATER CLOSET SHALL BE LOCATED ON WIDE SIDE OF TOILET STALL AREA TO MEET A.D.A. REQUIREMENTS.
10. ROUGH HANDICAP WATER CLOSET 18" FROM FINISHED WALL TO CENTERLINE OF WATER CLOSET. MEASURE FROM FACE OF SHORT SIDE OF STALL TO FINISHED WALL.
11. PROVIDE A READILY ACCESSIBLE CLEANOUT AT OR NEAR THE BASE OF EACH WASTE AND VENT STACK PER PLUMBING CODE AND SPECS..
12. WATER SUPPLY SYSTEM IS DESIGNED FOR STATIC PRESSURE OF 50 TO 75 PSI. GAUGE CITY WATER SUPPLY TO VERIFY THAT THE PRESSURE IS WITHIN THOSE LIMITS. PROVIDE WATER PRESSURE REDUCING VALVE, IF REQUIRED TO MEET DESIGNED WATER PRESSURE.

LEGEND

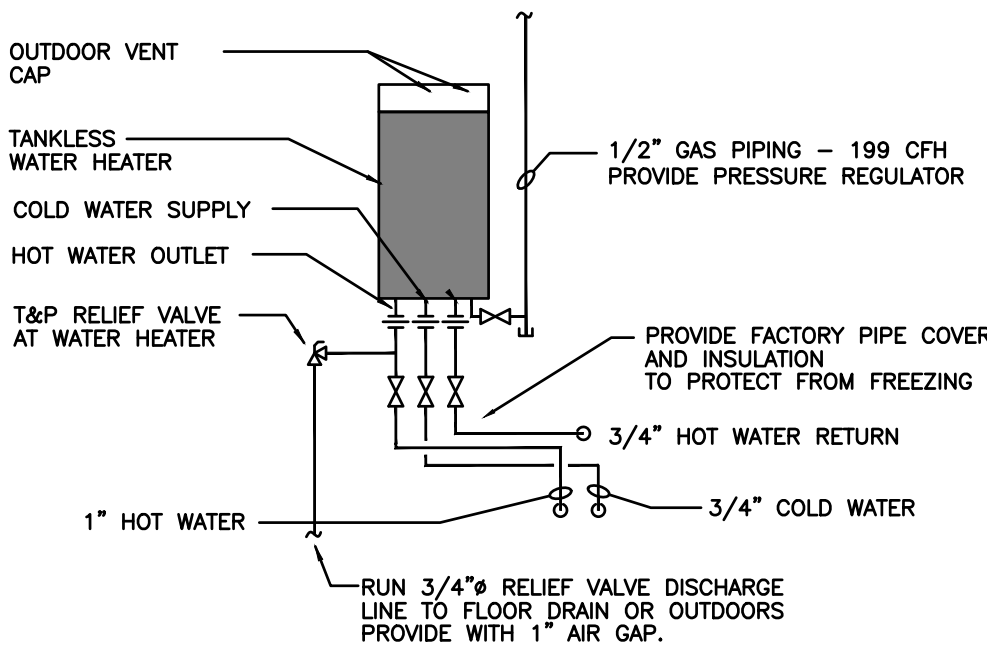
- WASTE PIPE
- VENT PIPE
- COLD WATER PIPE
- HOT WTR. PIPE (125")
- HOT WTR. RECIRC. PIPE
- GAS PIPE
- STORM WATER PIPE
- ACID RESIST. WASTE PIPE
- ACID RESIST. VENT PIPE

- UNION
- GATE VALVE
- CHECK VALVE
- BALL VALVE

- B.V.
- C.I.
- C.O.
- D.S.
- FCO
- F.D.
- F.S.
- G.V.
- H/C
- H.D.
- W.H.
- R.D.
- BALL VALVE
- CAST IRON
- CLEANOUT
- DOWNSPOUT
- FLOOR CLEANOUT
- FLOOR DRAIN
- FLOOR SINK
- GATE VALVE
- HANDICAPPED
- HUB DRAIN
- WALL HYDRANT
- ROOF DRAIN

INDICATES POINT OF CONNECTION TO EXISTING

INDICATES POINT OF CONNECTION TO OUTSIDE UTILITY. SEE CIVIL DWGS..

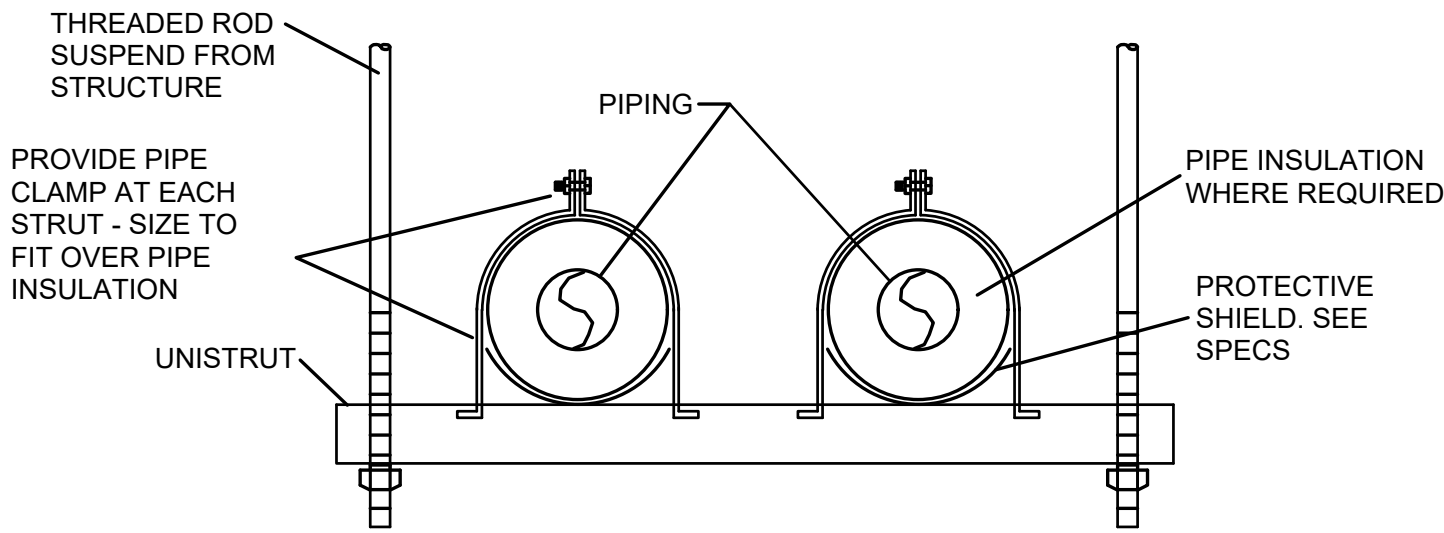


TANKLESS WATER HEATER DETAIL

N.T.S.

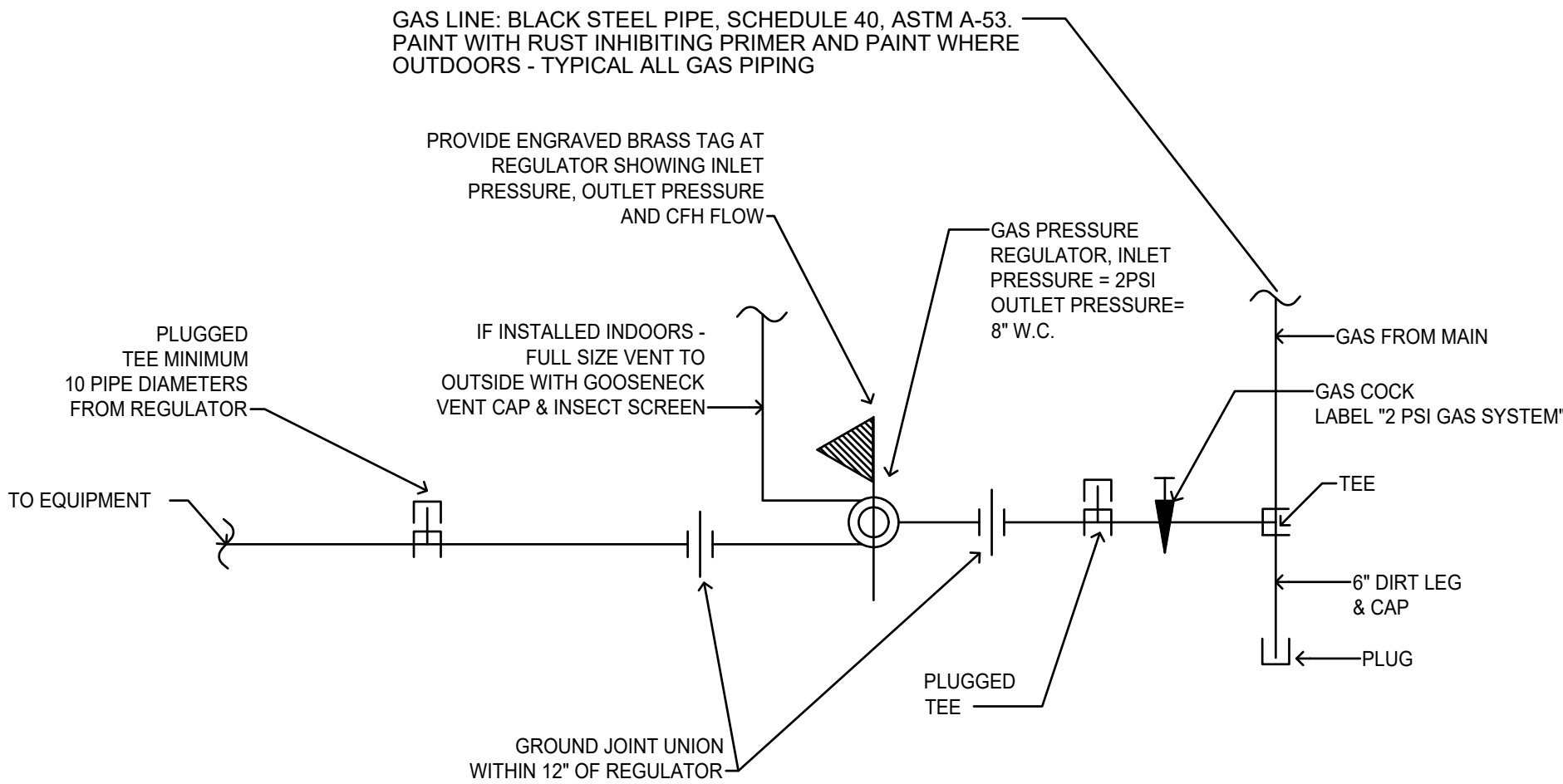
NOTE: CONFIGURATION MAY VARY BASED ON UNIT SELECTED.

NAVEN NPE-240A2 CONFIGURED FOR EXTERNAL CIRCULATION LOOP AND OUTDOOR INSTALLATION. PROTECT ALL PIPING FROM FREEZING. PROVIDE NR-10DU REMOTE CONTROL FOR WATER HEATER, LOCATE AS DIRECTED BY OWNER



TYP. PIPE HANGER DETAIL

NO SCALE



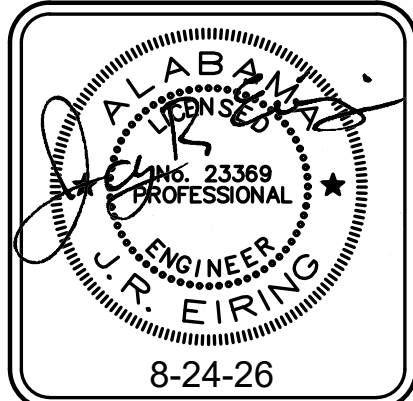
TYPICAL GAS PIPING CONN. DETAIL

NOT TO SCALE

NEW FLEET MANAGEMENT BUILDING

FOR

AIDT
MONTGOMERY, ALABAMA

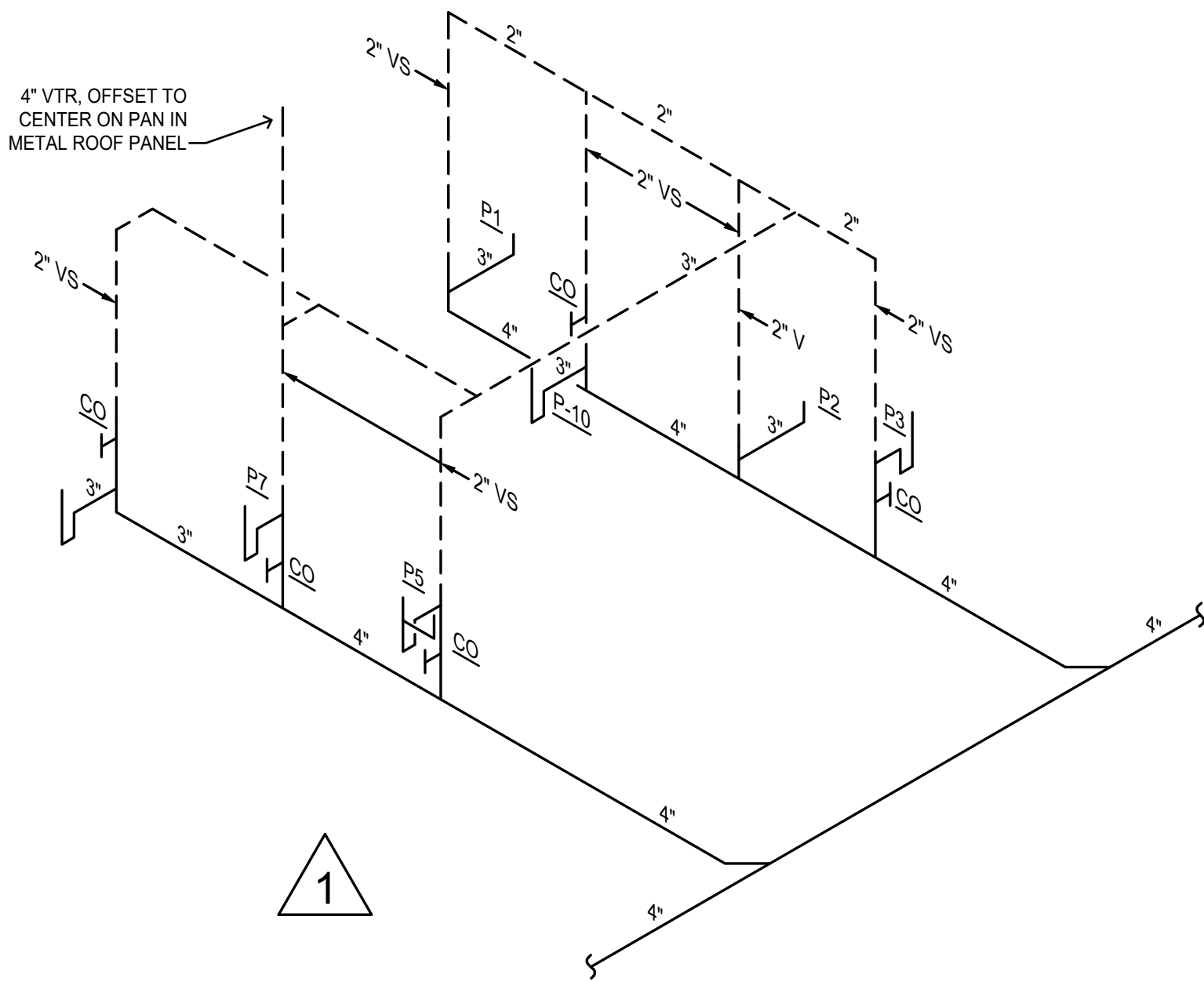


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SHEET TITLE	Plumbing Schedules & Details		
JOB NO.	PH&J #2502-CUA	DCM #2025417	
SEQUENCE NO.	19	OF	39

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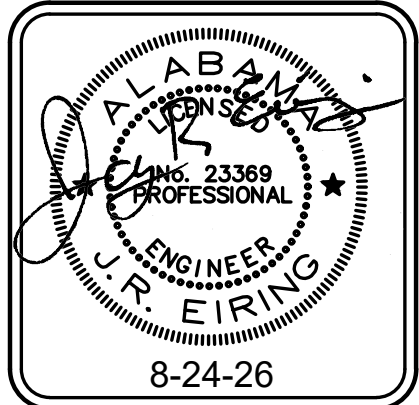
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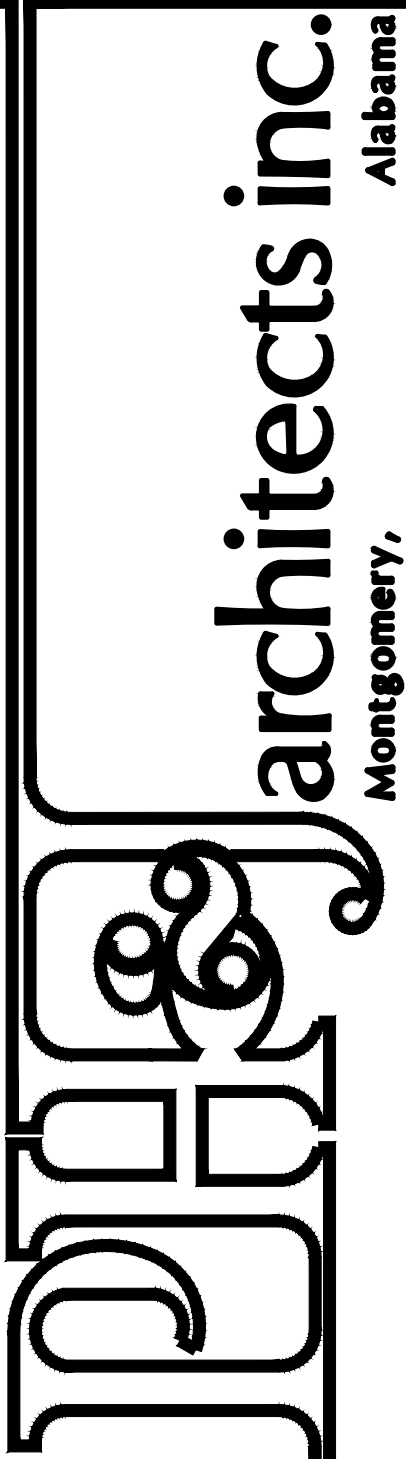
FOR
AIDT
MONTGOMERY, ALABAMA



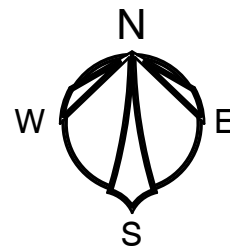
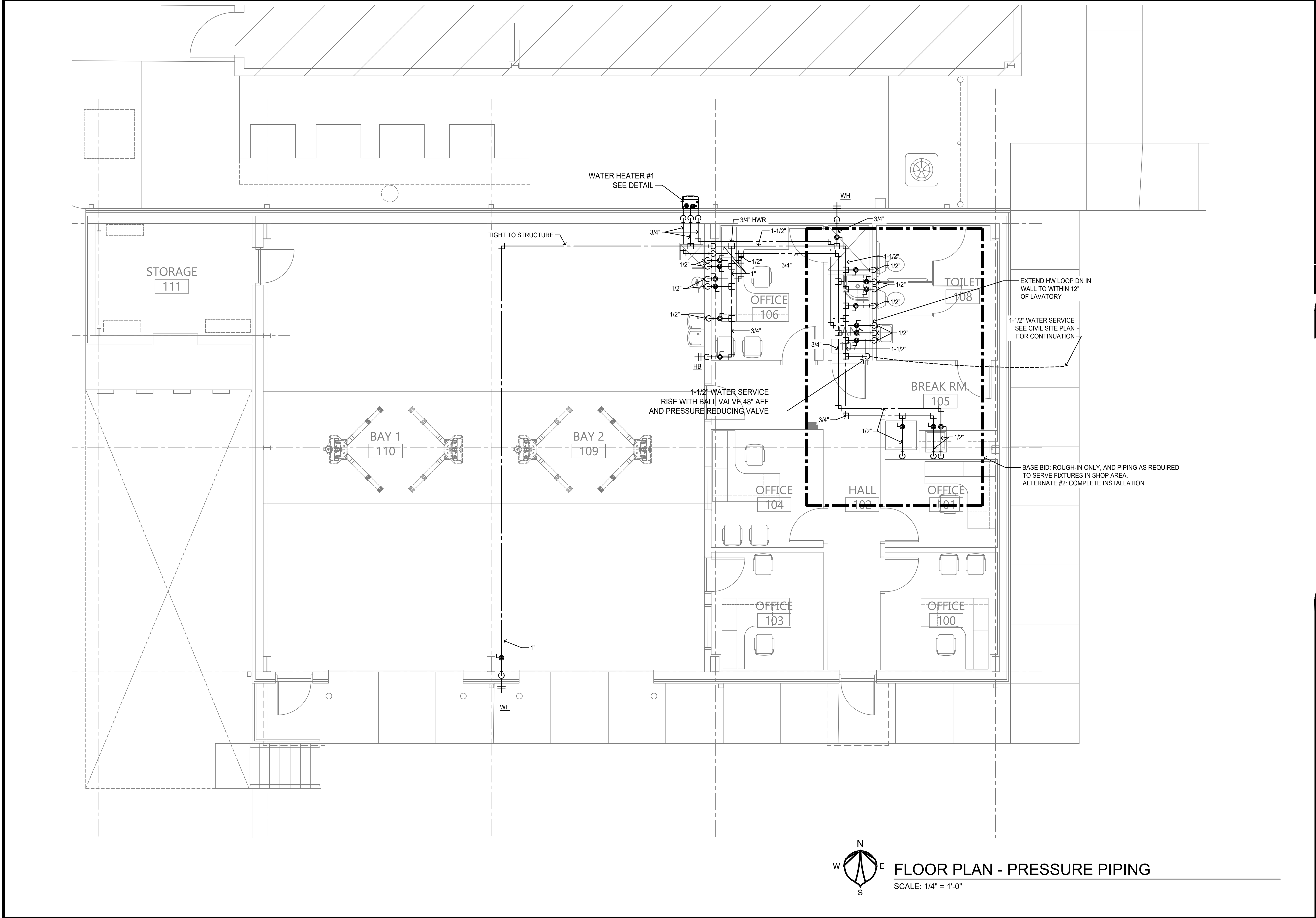
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DATE	8/20/2026 R.T.A.		
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SHEET TITLE			
Plumbing Schedules & Details			
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FLOOR PLAN - PRESSURE PIPING

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

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NEW FLEET MANAGEMENT BUILDING
FOR
AIDT
MONTGOMERY, ALABAMA

ALABAMA
Professional Engineer
J. R. EIRING
8-24-26

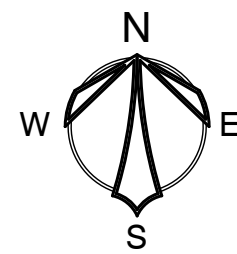
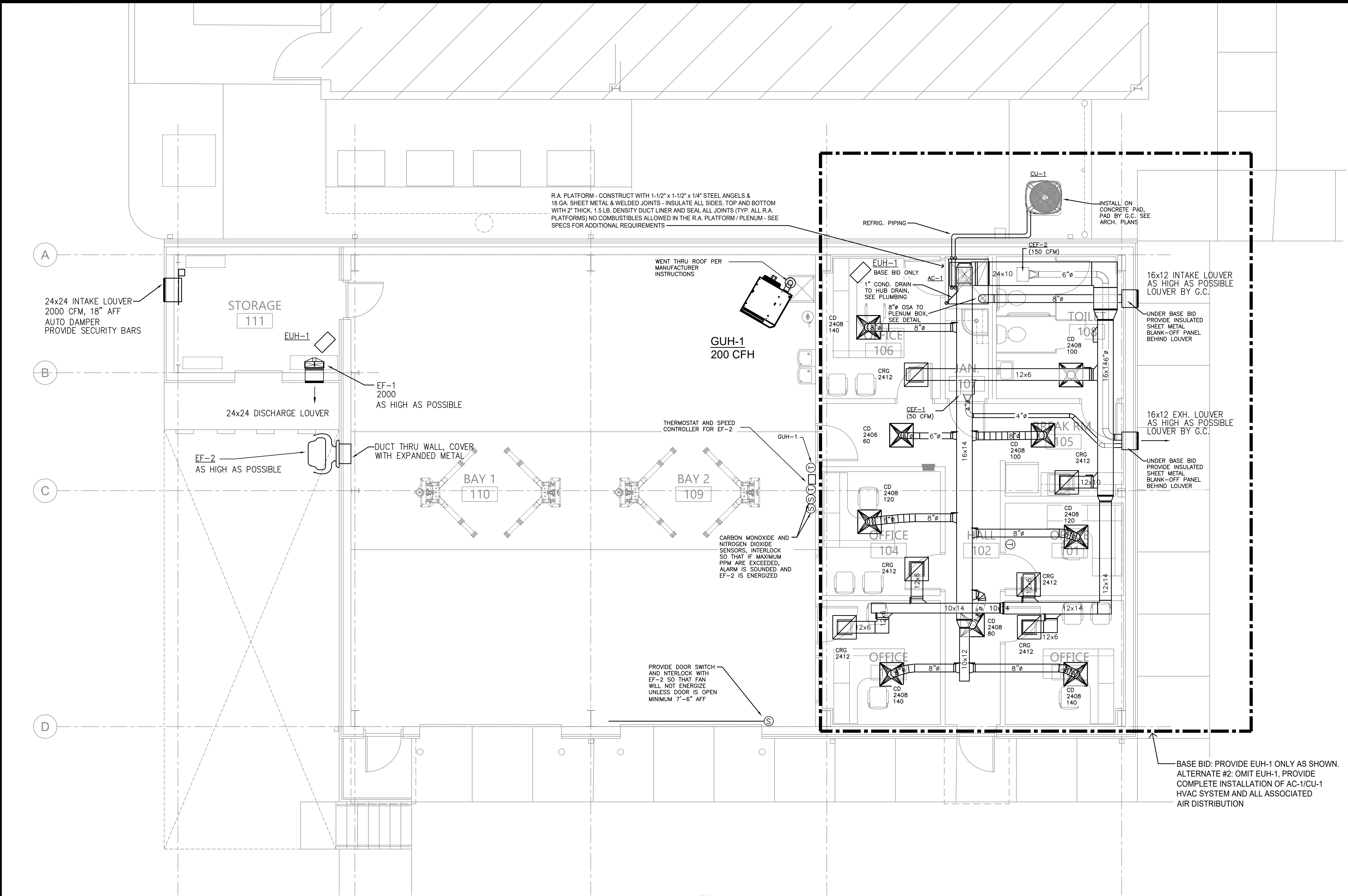
DRAWN	JRE	CHECK	JRE
DATE	8/20/2026 R.T.A.		
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SHEET TITLE Floor Plan Pressure Piping			
JOB NO. PH&J #2502-CUA DCM #2025417			
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PROJECT NAME AND JOB NUMBERS



FLOOR PLAN - HVAC
SCALE: 1/4" = 1'-0"

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NEW FLEET MANAGEMENT BUILDING
FOR
AIDT
MONTGOMERY, ALABAMA

ALABAMA
REGISTERED
PROFESSIONAL
ENGINEER
BREIRING
8-24-26

DRAWN	JRE	CHECK	JRE
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SHEET TITLE Floor Plan - HVAC			
JOB NO. PH&J #2502-CUA DCM #2025417			
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PROJECT NAME AND JOB NUMBERS

INDOOR AC UNIT SCHEDULE															
SYMBOL	TOTAL CFM	O.A. CFM	E.S.P. (IN. W.C.)	FAN H.P.	COOLING CAP.(MBH)		COIL FACE AREA	SUPP. ELEC. HEAT		ELECTRICAL	ELECTRICAL		FILTER MAX. F.V. 1" T.A.	EQUAL TO TRANE	REMARKS
					TOTAL	SENSIBLE		KW	NO. STAGES		MCA	MFS MCB			
AC-1	1000	150	0.7	1/2	36	27	5.5	7.2	2	208/3/60	28	30	350	TAM7	

PROVIDE BI-POLAR IONIZATION DEVICE EQUAL TO GLOBAL PLASMA SOLUTIONS
INSTALL PER MANUFACTURER INSTRUCTIONS.

OUTDOOR HEAT PUMP UNIT SCHEDULE																			
SYMBOL	TOT. ARI COOLING CAP.		HEATING CAPACITY			FANS				COMPRESSOR					ELECTRICAL VOLTS/PH./HZ.	MINIMUM SEER2	EQUAL TO TRANE	REMARKS	
	MBH	AMBIENT (°F)	MBH	KW	AMBIENT (°F)	NUMBER	H.P. EA.	FLA EA.	LRA EA.	NO	H.P. EA.	RLA EA.	LRA EA.	MCA					MFS
CU-1	36	95	-	-	17 47	1	1/4	1.3	-	1	-	11.6	73	14.1	20	208/3/60	14.0	4TWA4036	MIN. HSPF=8.2 5lb 10oz R454B

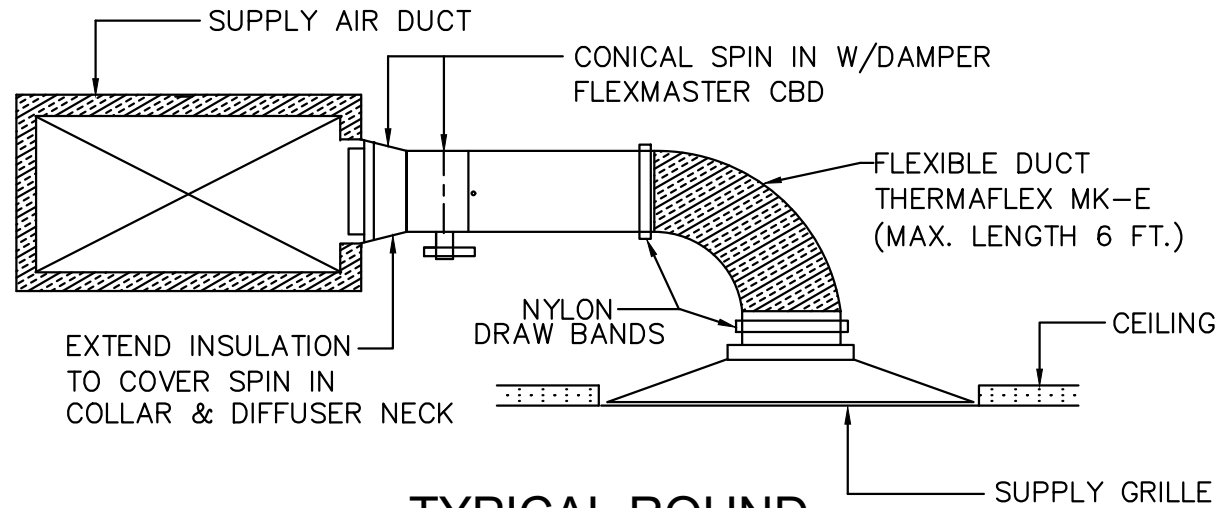
1.1. **Refrigerant Leak Detection System (LDS):** A Leak Detection System (LDS) must be provided in any system that has more than 3.91 lbs. of an A2L refrigerant charge, per safety standard UL 60335-2-40 which consists of one or more refrigerant detection sensors. Equipment with R-454B and charge amounts less than or equal to 3.91 lbs. per circuit, does not require a refrigerant leak detection system or any circulation airflow or ventilation airflow mitigation strategies. The LDS must be factory-installed for all units.

When the LDS detects a leak in units with charge amounts greater than 3.91 lbs. per circuit, the following mitigation actions must be automatically initiated until the refrigerant has not been detected for at least 5 minutes:

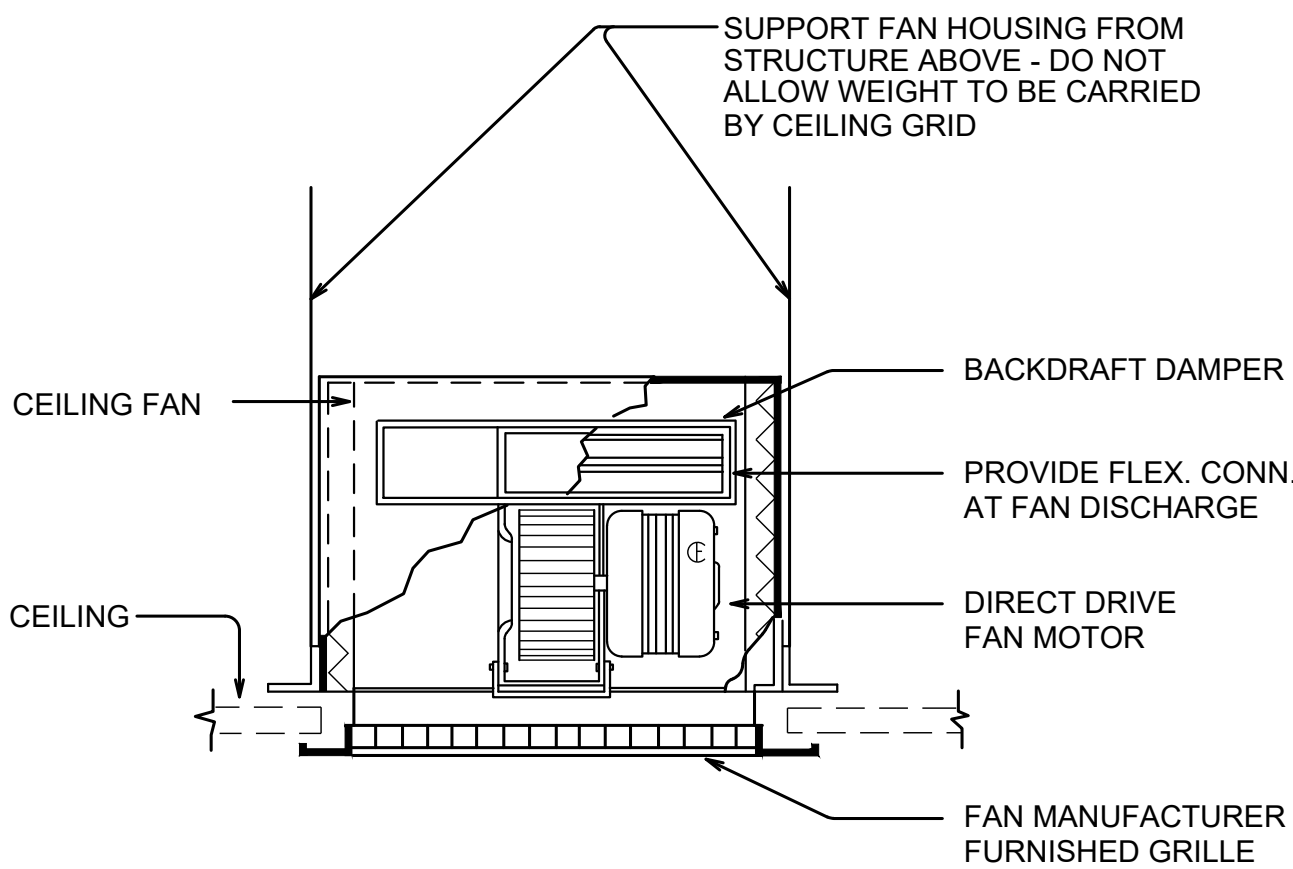
- Unit must automatically revert to its outside air economizer mode to deliver 100% outside air in tandem with its associated powered exhaust relief.
- The compressor(s) operation must cease/shutdown.
- Associated auxiliary electric heat must be automatically disabled.

GAS UNIT HEATER SCHEDULE						
SYMBOL	INPUT MBH	OUTPUT MBH	FLUE/ OSA DIA.	CFM	ELECTRICAL * 120/1/60	EQUAL TO
GUH-1	200	166/116	5"	3000	10.5 FLA/25 MFS	REZNOR UBXC

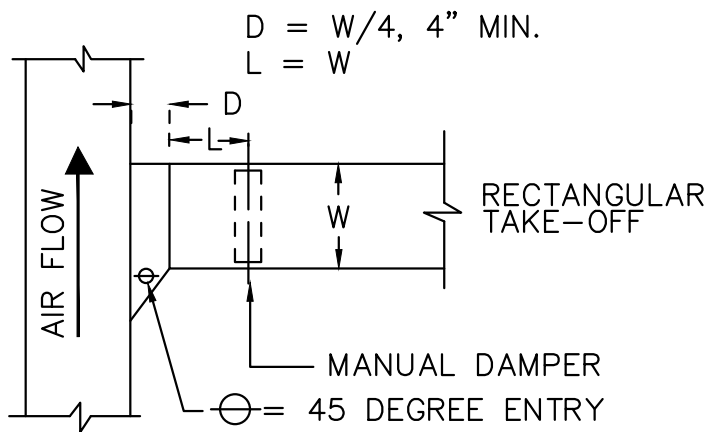
* CONTRACTOR TO FIELD VERIFY VOLATGE OF EXISTING UNIT PRIOR TO ORDERING
PROVIDE THE FOLLOWING FACTORY ACCESSORIES: TEC MOTOR, 2-STAGE GAS VALVE, VENT KIT, THERMOSTAT, THERMOSTAT GUARD WITH LOCKING COVER, HANGER KIT.



TYPICAL ROUND RUNOUT DETAIL
NO SCALE



CEILING MOUNTED EXHAUST FAN CONN. DETAIL
NO SCALE



DUCT CONNECTION DETAIL
(SUPPLY, RETURN, EXHAUST, OR OSA)
NO SCALE

FAN SCHEDULE										
FAN NO.	SERVES	TYPE	CFM	APPROX. S.P.	SELECTION CRITERIA	MOTOR		ACCESSORIES	CONTROL OR INTERLOCK WITH	REMARKS
						HP	VOLTAGE			
CEF-1	JAN. CLOSET	CEILING MTD. CENTRIFUGAL	50	0.325	1.0 SONES MAX. 1550 RPM MAX.	100W	120/1/60	1,3,4,5,6	LIGHTS	
CEF-2	TOILETS	CEILING MTD. CENTRIFUGAL	150	0.325	1.0 SONES MAX. 1550 RPM MAX.	100W	120/1/60	1,3,4,5,6	LIGHTS	
EF-1	EQUIPMENT ROOM	SIDEWALL PROPELLER	2000	0.35	13 SONES MAX 1750 RPM MAX	1/3	110/1/60	1,3,5,6,8	WALL SWITCH WALL LOUVER	
EF-2	SERVICE BAYS	SIDEWALL MOUNTED CENTRIFUGAL	5000	0.25	10.4 SONES MAX 620 RPM MAX	2	208/3/60	3,4,5,6,11	THERMOSTAT HOA OVERRIDE	INTERLOCK WITH ROLL-UP DOOR AS SHOWN ON PLANS

FAN ACCESSORIES AND NOTES:

- DIRECT DRIVE WITH FAN MOUNTED SOLID STATE SPEED CONTROL
- BELT DRIVE
- DISCONNECT SWITCH
- PREFABRICATED INSULATED ROOF CURB W/SOUND ATTENUATION
- BACKDRAFT DAMPER
- BIRDSCREEN
- WALL HOUSING WITH WALL BDD AND WALL LOUVER
- ECM MOTOR WITH WALL MOUNTED SPEED CONTROLLER
- CURB ADAPTER

ELECTRIC HEATER SCHEDULE						
SYMBOL/ (LOCAL.)	TYPE	MOUNTING	HEATING CAP. (KW)	FAN DATA		EQUAL TO MARKEL
				CFM	H.P.	
EUH-1	UNIT HTR.	SUSPENDED	5.0	400	1/125	208/1/60
						5100

PROVIDE FACTORY DISCONNECTS AND UNIT MTD. THERMOSTATS FOR EACH HEATER

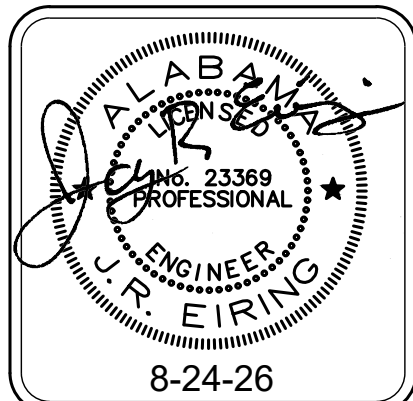
AC-1 OUTDOOR AIR AND EXHAUST CALCULATIONS																						
	Area	CtgHt	Volume	Peo/1000SF	# People	CFM/SF	Area CFM	CFM/Person	People CFM	Voz	Ez	# Fixtures	CFM/Fixt	CFM/SF	Min Exhaust	Supply Air	Zp EQ 4-5	Refrig	Lbs Refeig	Allowable #/1000 cu ft	Actual #/1000 cu ft	Max Allowed in space
BREAK 105	116	9	1044	10	2	0.06	7	5	10	17	0.8					100	0.17					
OFFICE 106	137	9	1233	5	1	0.06	9	5	5	14	0.8					140	0.1					
HALL 102	148	9	1332			0.06	9	5	0	9	0.8					140	0.064286					
TOILET 108	125	9	1125									2	70		140	100	0					
OFFICE 104	96	9	864	5	1	0.12	12	5	5	17	0.8					120	0.141667					
OFFICE 100	96	9	864	5	1	0.12	12	5	5	17	0.8					140	0.121429					
OFFICE 101	96	9	864	5	1	0.12	12	5	5	17	0.8					120	0.141667					
OFFICE 103	96	9	864	5	1	0.12	12	5	5	17	0.8					140	0.121429					
JANITOR 107	15	9	135																			
Total			8325		7		73		35						140	1000		454B	12	3.1	1.441441	25.8075
Cumulative CFM										91												
Max "Zp"	0.141667																					
"Ev"	1																					
"Vol" Total OSA EQ 4-6	138																					
Total Building Occupancy	13																					
Zone Occupancy	7																					
"D" from EQ 4-7	1.857143																					
"Vol" Equation 4-8	138																					
TOTAL OSA	138																					

- AIR DEVICES**
- STRAIGHT SPIN-IN WITH MANUAL DAMPER
 - MANUAL DAMPER
 - F.D. FIRE DAMPER
 - A.D. AUTO. DAMPER
 - FLEXIBLE CONNECTION
 - ROUND DUCT SYMBOL
 - W X H RECTANGULAR DUCT
 - RECTANGULAR SUPPLY AIR DUCT TURNING DOWN
 - RECTANGULAR RETURN AIR OR EXHAUST DUCT TURNING DOWN
 - ROUND DUCT TURNING DOWN
 - MAXIMUM 5' FLEXIBLE DUCT ALL BRANCH DUCTS
 - ELBOW WITH TURNING VANES FOR SUPPLY.
 - ROUND ELBOWS. DIE CAST THROUGH 5" ROUND, 5 PIECE 6" ROUND AND ABOVE
 - T THERMOSTAT
 - S RETURN AIR SENSOR WITH REMOTE THERMOSTAT
 - OA OUTSIDE AIR
 - TA TRANSFER AIR
 - S SUPPLY AIR
 - E EXHAUST AIR
 - R RETURN AIR
 - (X) DENOTES EXISTING DUCT OR EQUIPMENT

- D - GRILLE TYPE - SEE SLEGEND
CRG - CEILING RETURN GRILLE
2416-24x24 LAY-IN, 16" SQ. NECK
117 - 117 CFM
- A - GRILLE TYPE - SEE SLEGEND
CD - CEILING DIFFUSER
2408 - 24x24, 6"O NECK(RUNOUT=NECK SIZE)
117 - 117 CFM

NEW FLEET MANAGEMENT BUILDING

FOR
AIDT
MONTGOMERY, ALABAMA



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SHEET TITLE
Schedules & Details - HVAC

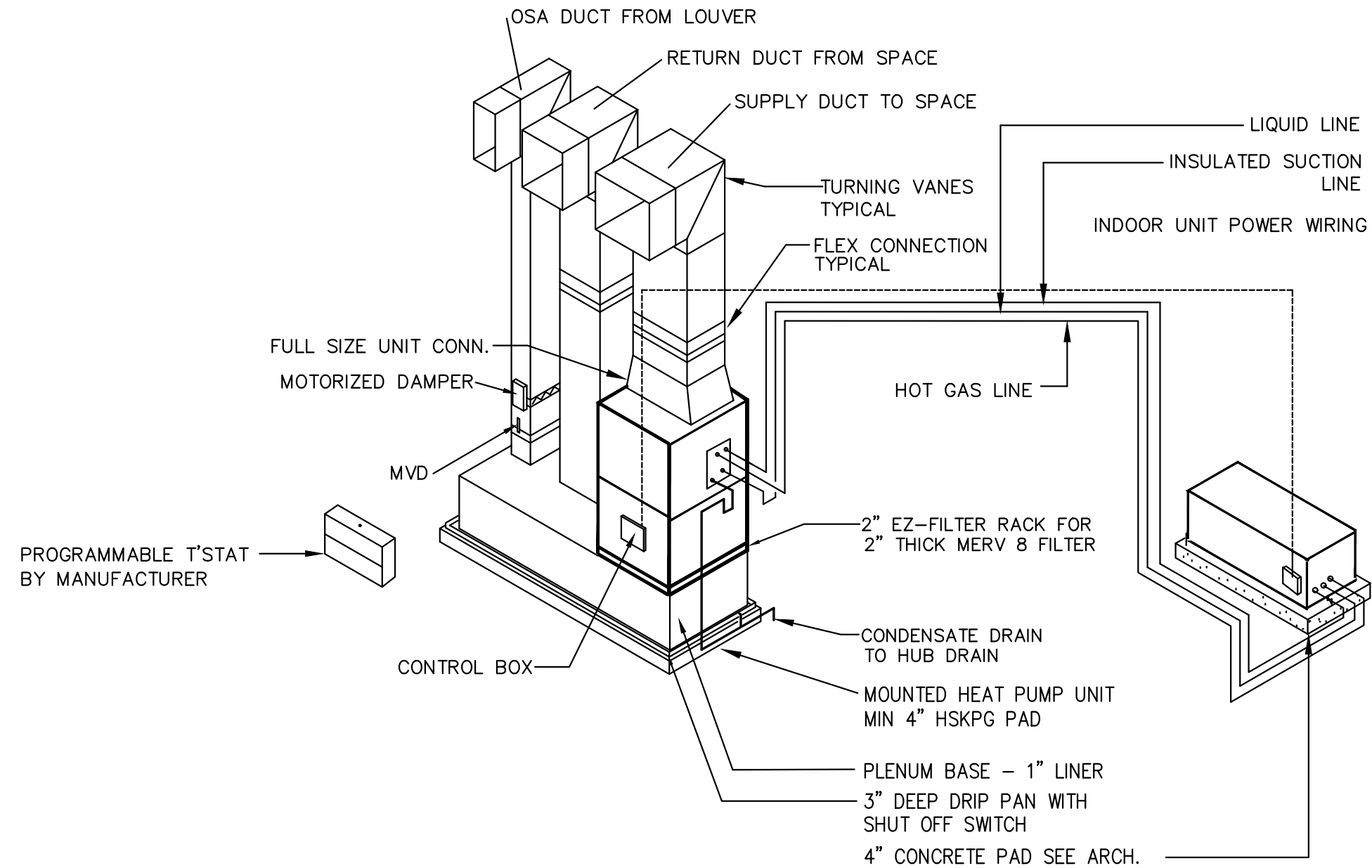
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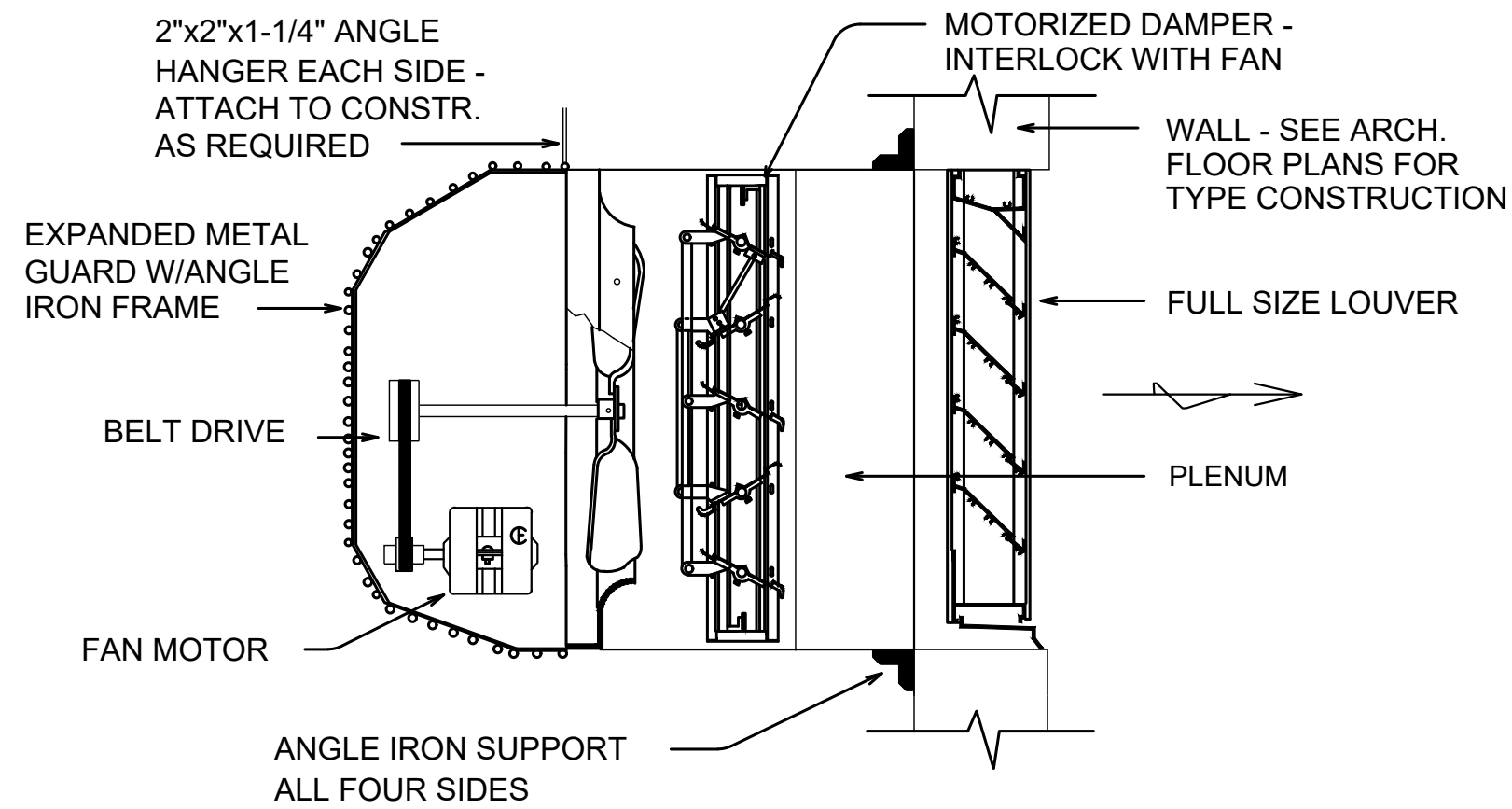
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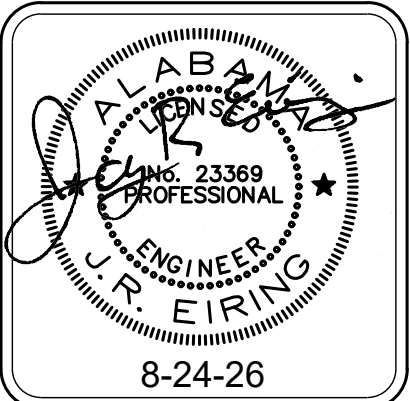
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HEAT PUMP A/C SYSTEM DETAIL
ALTERNATE #2
NO SCALE



TYPICAL WALL MOUNTED PROPELLER FAN DETAIL
NOT TO SCALE
NOTE !!
BELT DRIVEN FAN SHOWN ABOVE. DIRECT DRIVEN FAN SAME EXCEPT WITH DIRECT DRIVE



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NEW FLEET MANAGEMENT BUILDING

FOR
AIDT
MONTGOMERY, ALABAMA

ELECTRICAL LEGEND

CEILING OUTLETS

- A RECESSED 2' X 4' LED FIXTURE MARK "A" CIRCUIT No. 2 TYPICAL
- A RECESSED 2' X 4' LED FIXTURE MARK "A" CIRCUIT No. 2 TYPICAL "EMERGENCY POWER"
- A RECESSED 2' X 2' LED FIXTURE MARK "A" CIRCUIT No. 2 TYPICAL
- A RECESSED 2' X 2' LED FIXTURE MARK "A" CIRCUIT No. 2 TYPICAL "EMERGENCY POWER"
- FS SURFACE OR PENDANT MOUNTED LED STRIP FIXTURE MARK "FS" CIRCUIT No. 2 TYPICAL
- FS SURFACE OR PENDANT MOUNTED LED STRIP FIXTURE MARK "FS" CIRCUIT No. 2 TYPICAL "EMERGENCY POWER"
- RECESSED OR SURFACE MOUNT DOWNLIGHT
- RECESSED OR SURFACE MOUNT DOWNLIGHT "EMERGENCY POWER"
- SURFACE OR PENDANT MOUNTED ROUND FIXTURE
- JUNCTION BOX
- EXIT LIGHT
- EXHAUST FAN
- CEILING MOUNTED OUTLET. NEMA 5-20R IN SINGLE GANG BOX SUSPENDED FROM CEILING USING TYPE "SO" CORD (2#10 WITH GROUND) AND KELLEMS GRIP AT BOTH ENDS. SUSPEND FROM STRUCTURE SUCH THAT RECEPTACLE IS 6 FEET FROM FINISHED FLOOR.

WALL OUTLETS

1. ALL 120V RECEPTACLES ON THIS PROJECT SHALL BE TAMPER PROOF TYPE PER THE NATIONAL ELECTRIC CODE.

- WALL MOUNTED COMBO EXIT LIGHT/EMERGENCY
- WALL MOUNTED LIGHTING FIXTURE
- WALL MOUNTED LIGHTING FIXTURE "EMERGENCY POWER"
- BATTERY OPERATED EMERGENCY WALL PACK
- DUPLEX RECEPTACLE - 20 AMP, 125 VOLT, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 18" A.F.F. UNLESS NOTED OTHERWISE
- DUPLEX RECEPTACLE - 20 AMP, 125 VOLT, GFI, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 18" A.F.F. UNLESS NOTED OTHERWISE
- DUPLEX RECEPTACLE - 20 AMP, 125 VOLT, GFI, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 18" A.F.F. UNLESS NOTED OTHERWISE; PROVIDE WEATHERPROOF BOX FOR RECEPTACLE; OUTLET BOX HOODS SHALL BE IDENTIFIED AS "EXTRA-DUTY"
- DUPLEX RECEPTACLE - 20 AMP, 125 VOLT, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 6" ABOVE COUNTER
- DUPLEX RECEPTACLE - 20 AMP, 125 VOLT, GFI, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 6" ABOVE COUNTER
- QUADRAPLEX RECEPTACLE - 20 AMP, 125 VOLT, GFI, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 18" A.F.F. UNLESS NOTED OTHERWISE
- QUADRAPLEX RECEPTACLE - 20 AMP, 125 VOLT, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 18" A.F.F. UNLESS NOTED OTHERWISE
- DUPLEX RECEPTACLE - 20 AMP, 125 VOLT, GFI, 3 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 26" AFF TO C/L FOR DRINKING FOUNTAIN
- JUNCTION BOX SIZE NOTED OR REQUIRED, WITH BLANK SCREW COVER AND FLEXIBLE CONDUIT CONNECTION
- PHOTOCELL; TORK MODEL 5231 (120V), TWIST RECEPTACLE: TORK 2421.

BRANCH CIRCUITING

- RUN CONCEALED UNDER FLOOR OR IN GRADE
- RUN CONCEALED IN CEILING OR WALLS
- LA-1 HOMERUN TO PANEL. ANY CIRCUIT WITHOUT FURTHER IDENTIFICATION INDICATES 2 #12, 1 #12 GROUND - 3/4" C; ~~10~~ 3 #12, 1 #12 GROUND - 3/4" C; ~~4~~ 4 #12, 1 #12 GROUND - 3/4" C; ETC. AS PER NEC. LETTERS AND NUMERALS INDICATE PANEL AND CIRCUIT NUMBER.
- LA-1 HOMERUN TO PANEL. ANY CIRCUIT WITHOUT FURTHER IDENTIFICATION INDICATES 2 #10, 1 #10 GROUND - 3/4" C; ~~10~~ 3 #10, 1 #10 GROUND - 3/4" C; ~~10~~ 4 #10, 1 #10 GROUND - 1" C; ETC. AS PER NEC. LETTERS AND NUMERALS INDICATE PANEL AND CIRCUIT NUMBER.
- LA-1 HOMERUN TO PANEL. ANY CIRCUIT WITHOUT FURTHER IDENTIFICATION INDICATES 2 #8, 1 #10 GROUND - 1" C; ~~8~~ 3 #8, 1 #10 GROUND - 3/4" C; ~~8~~ 4 #8, 1 #10 GROUND - 1 1/4" C; ETC. AS PER NEC. LETTERS AND NUMERALS INDICATE PANEL AND CIRCUIT NUMBER.
- WHERE A NUMBER IS SHOWN NEXT TO OR ON THE CIRCUIT OR HOMERUN. THE NUMBER INDICATES CONDUCTOR SIZE OTHER THAN #12 - NUMBER #6 CONDUCTORS INDICATED. PROVIDE GROUND SIZED PER NEC TABLE 250-95 FOR MAX AMPACITY OF CONDUCTOR SIZE AS SHOWN. SIZE CONDUIT PER NEC ANNEX C.
- LIQUID-TIGHT FLEXIBLE CONDUIT CONNECTION
- SURFACE MOUNTED CONDUIT; RUN PARALLEL OR PERPENDICULAR TO BUILDING LINES

TELEPHONE & TELEVISION SYSTEMS

- WALL COMMUNICATIONS OUTLET - SEE DETAILS ON SHEET E6.1
- WIRELESS ACCESS POINT - SEE DETAILS ON SHEET E6.1
- SECURITY CAMERA - SEE DETAILS ON SHEET E6.1
- COMMUNICATIONS FLOOR RACK SEE DETAIL E4.1

MISCELLANEOUS EQUIPMENT

- CONTACTOR
- EXTERIOR POLE LIGHT
- WATER HEATER
- SCREEN MONITOR

LIGHTING CONTROLS

- CEILING MOUNTED OCCUPANCY SENSOR
- POWER PACK FOR OCCUPANCY SENSOR
- ROOM CONTROLLER - 1 ZONE DIMMING
- ROOM CONTROLLER - 2 ZONE DIMMING
- ROOM CONTROLLER - EMERGENCY LIGHTING UL924 DEVICE
- ROOM CONTROLLER - ON/OFF NO DIMMING
- WALL DIMMER - ON/OFF & 0-10V 1-ZONE DIMMING
- WALL DIMMER - ON/OFF & 0-10V 2-ZONE DIMMING
- LOW VOLTAGE SWITCH, 2-BUTTON
- LOW VOLTAGE SWITCH CONNECTED TO LIGHTNG CONTROL PANEL, 2-BUTTON
- OCCUPANCY SENSOR WALL SWITCH, ULTRASONIC TECHNOLOGY, 1-BUTTON SIMILAR TO HUBBELL LIGHT HAWK 2

*COORDINATE WITH LIGHTING CONTROL DETAILS FOR MORE REQUIREMENTS

WALL SWITCHES (UNLESS OTHERWISE NOTED, MOUNT 48" A.F.F.)

- A.C. TYPE, SINGLE POLE, 20 AMP, 120/277 VOLT
- A.C. TYPE, 3-WAY, 20 AMP, 120/277 VOLT
- MOTOR RATED TOGGLE SWITCH DISCONNECT, WITH THERMAL OVERLOADS A.C. TYPE, 20 AMP, 120/277 VOLT
- MOTOR RATED TOGGLE SWITCH DISCONNECT, WITH THERMAL OVERLOADS A.C. TYPE, 30 AMP, 120/277 VOLT
- PRESET INTERVAL TIMER SWITCH, HUBBELL TD-300 SERIES OR EQUALS
- PUSH BUTTON, TOGGLE SWITCH, ROTARY SWITCH, ETC., FURNISHED WITH EQUIPMENT BY OTHERS, INSTALLED AND WIRED BY THE ELECTRICAL CONTRACTOR.

Gunn & Associates, P.C.

Consulting Engineers

3102 Highway 14
Millbrook, AL 36054
Tel: 334.285.1273

1200 Providence Park, Suite 200
Birmingham, AL 35242
GA#25-195



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DATE	8/20/2026 R.T.A.		
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SHEET TITLE ELECTRICAL LEGEND & NOTES			
JOB NO. PH&J #2502-CUA DCM #2025417			
SEQUENCE NO.	26	OF	39

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NEW FLEET MANAGEMENT BUILDING

FOR
AIDT
MONTGOMERY, ALABAMA

architects inc.
Montgomery,
Alabama

MISCELLANEOUS

A	AMPERE
ADA	AMERICANS WITH DISABILITIES ACT
AFF	ABOVE FINISH FLOOR
AIC	AMPERE INTERRUPTING CAPACITY
ATS	AUTOMATIC TRANSFER SWITCH
C	CONDUIT
CL	CENTER LINE
CWP	COLD WATER PIPE
EM	EMERGENCY
EMT	ELECTRIC METALLIC TUBING
GFI	GROUND FAULT INTERRUPTER
GRC	GALVANIZED RIGID METAL CONDUIT
GRD	GROUND
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MLO	MAIN LUGS ONLY
MT	MOUNT
N	NEUTRAL
NIC	NOT IN CONTRACT
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOC.
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NL	NIGHT LIGHT
NTS	NOT TO SCALE
P	POLE
PF	POWER FACTOR
PH	PHASE
PNL	PANEL
PVC	PVC (POLYVINYL CHLORIDE) CONDUIT
SLD	SINGLE LINE DIAGRAM
TBB	TELEPHONE BACKBOARD
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSORS
UL	UNDERWRITER'S LABORATORY
U.N.O.	UNLESS NOTED OTHERWISE
V	VOLTAGE
W	WIRE
WP	WEATHERPROOF
#	NUMBER
3R	NEMA 3R WEATHERPROOF ENCLOSURE
4X	NEMA 4X WEATHERPROOF/CORROSION ENCLOSURE

GENERAL ELECTRICAL NOTES:

1. THE SERVICE VOLTAGE TO THE FACILITY IS 120/208 VOLT, 3 PHASE, 4 WIRE.
2. INSTALLATION SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE, STATE AND LOCAL CODES, AND MANUFACTURER'S RECOMMENDATIONS.
3. MAINTAIN ALL CLEARANCES FOR ELECTRICAL EQUIPMENT PER THE NEC.
4. COORDINATE ROUGH-IN OF ALL ELECTRICAL DEVICES WITH ARCHITECTURAL FLOOR PLANS, ELEVATIONS AND MILLWORK SHOP DRAWINGS PRIOR TO ROUGH-IN. AVOID ALL BACKSPASHES AT COUNTERS.
5. ALL DIMENSIONS INDICATED IN THESE DOCUMENTS ARE FOR REFERENCE AND COORDINATION PURPOSES ONLY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS IN THE FIELD, AND COORDINATING WORK WITH OTHER TRADES TO AVOID CONFLICTS.
6. VERIFY ALL DOOR SWINGS WITH ARCHITECTURAL BEFORE ROUGH-IN OF LIGHT SWITCHES TO ENSURE PROPER SWITCH LOCATION.
7. THE LOCATION OF OUTLETS, FIXTURES, AND EQUIPMENT SHOWN ON THE DRAWINGS ARE APPROXIMATE, OFFSET AS NEEDED OR AS REQUESTED BY THE OWNER. THE OWNER SHALL HAVE THE RIGHT TO RELOCATE ANY OUTLETS OR FIXTURES BEFORE THEY ARE INSTALLED WITHOUT ANY ADDITIONAL COST.
8. COORDINATE EXACT LOCATION OF ALL ELECTRICAL FLOOR DEVICES WITH ARCHITECT PRIOR TO INSTALLATION.
9. ALL CONDUIT SIZE SHALL BE A MINIMUM 3/4" UNLESS NOTED OTHERWISE IN THE DRAWINGS OR SPECIFICATIONS.
10. ALL ELECTRICAL RACEWAYS AND CABLING SHALL BE INSTALLED CONCEALED WITHIN THE CONFINES OF THE BUILDING FOUNDATIONS EXCEPT THOSE SPECIFICALLY SERVING LOADS OR EQUIPMENT EXTERIOR OF THE BUILDING. ALL SUCH RACEWAYS SHALL BE A MINIMUM 18" INSIDE FOUNDATIONS AND POWER AND COMMUNICATIONS RACEWAYS SHALL BE SEPARATED BY A MINIMUM 18".
11. ALL CONDUITS INSTALLED UNDERFLOOR SHALL BE ROUTED UNDER STRUCTURAL CONCRETE FLOOR SLABS. CONTRACTOR SHALL NOT INSTALL CONDUITS IN CONCRETE FLOORING WITHOUT THE EXPRESS WRITTEN PERMISSION OF THE STRUCTURAL ENGINEER. CONDUITS PENETRATING THRU CONCRETE FLOORS SHALL ADHERE TO THE ELECTRICAL SPECIFICATIONS AND RECOMMENDATIONS OF THE STRUCTURAL ENGINEER.
12. ALL RACEWAYS INSTALLED ON EXTERIOR OF THE BUILDING, INCLUDING CONDUIT UNDER CANOPIES, SHALL BE GRC. EMT WILL NOT BE ACCEPTED.
13. ALL RACEWAYS SHALL BE SUPPORTED PER NEC AND AT LEAST EVERY 10' AND WITHIN 3' OF EVERY JUNCTION BOX. RACEWAYS SUPPORTED ON BOTTOM OF SECONDARY CEILING SHALL BE SUPPORTED FROM THE STRUCTURE NOT FROM THE GYPBOARD CEILING.
14. ALL EMPTY WALL MOUNTED JUNCTION BOXES SHALL BE PROVIDED WITH A WALL BLANK AND ALL EMPTY RACEWAYS SHALL BE PROVIDED WITH A PULL WIRES.
15. PROVIDE ALL CONDUIT STUBS WITH A PROTECTIVE COLLAR.
16. INSURE THAT ALL PENETRATIONS OF FIRE WALLS AND DECKS ARE PROPERLY SEALED PER INTERNATIONAL BUILDING CODE 712 AND WITH AN UL APPROVED DEVICE OR FIRE CAULK. REFER TO ARCHITECTURAL PLANS FOR THE LOCATIONS OF RATED FIRE WALLS AND UL ASSEMBLY LOCATIONS AND TYPES AND BID ACCORDINGLY.
17. PROVIDE A CONDUIT EXPANSION JOINTS WITH BONDING JUMPER IN ALL CONDUITS CROSSING AN EXPANSION JOINT. REFER TO ARCHITECTURAL DRAWINGS FOR EXPANSION JOINT LOCATIONS.
18. ALL UNDERGROUND CONDUITS RUNS ENTERING THE BUILDING SHALL BE SEALED TO PREVENT THE ENTRANCE OF MOISTURE.
19. ALL FLEXIBLE CONDUITS ON THE EXTERIOR, IN WET LOCATIONS OR ANY MECHANICAL ROOM SHALL BE LIQUID TIGHT WITH SUITABLE FITTINGS.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SEALING AROUND DEVICES, PENETRATIONS, OUTLETS, AND CONDUITS THAT PENETRATE THE WALLS ABOVE THE CEILING TO MAINTAIN SOUNDPROOFING. CONTRACTOR SHALL VERIFY THAT THE OPENINGS SIZES ARE LESS THAN 1/2" ON ALL SIDES OF THE PENETRATIONS. ALL OPENINGS IN EXCESS OF 1/2" SHALL BE CAULKED/SEALED WITH SHEET ROCK MUD. THE DRYWALL CONTRACTOR SHALL BE RESPONSIBLE FOR SEALING PENETRATIONS IN PLACE WHEN THE SHEETROCK ARE INSTALLED. PENETRATIONS MADE AFTER THE DRYWALL CONTRACTOR HAS FINISHED IN AN AREA SHALL BE SEALED BY THE CONTRACTOR MAKING THE PENETRATION.
21. PLANNED INTERRUPTIONS OF UTILITY SERVICE TO ANY EXISTING FACILITY OR AREAS WITHIN ANY FACILITY AFFECTED BY THIS CONTRACT, SHALL BE CAREFULLY PLANNED AND COORDINATED IN ADVANCE OF THE REQUESTED INTERRUPTION. THE CONTRACTOR SHALL NOT INTERRUPT SERVICES UNTIL SPECIFIED APPROVAL HAS BEEN GRANTED. THE REQUEST SHALL INDICATE SERVICES AND AREAS TO BE AFFECTED, DATE AND TIME OF INTERRUPTION AND DURATION OF OUTAGE. REQUEST FOR INTERRUPTION OF SERVICE WILL NOT BE APPROVED UNTIL ALL EQUIPMENT AND MATERIAL REQUIRED FOR THE COMPLETION OF THAT PARTICULAR PHASE OF WORK ARE ON THE JOB SITE. CONTRACTOR IS RESPONSIBLE FOR ALL OVERTIME, HOLIDAY, AND WEEKEND PAY TO THEIR EMPLOYEES TO DO THIS WORK DURING SCHEDULED NON-NORMAL WORK HOURS.
22. BUILDING OWNER MUST RECEIVE RECORD DRAWINGS AND MANUALS THAT PROVIDE INSTRUCTIONS ABOUT THE OPERATION AND MAINTENANCE OF THE BUILDING'S ELECTRICAL DISTRIBUTION SYSTEM.
23. CONTRACTOR IS RESPONSIBLE FOR PROPER SENSITIVITY AND TIME DELAY SETTINGS FOR OCCUPANCY SENSORS. PROVIDE PROPER NUMBER OF POWER PACKS AND LOCATE POWER PACKS AND OCCUPANCY SENSORS ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
24. ALL JUNCTION BOX COVERS ABOVE THE CEILING SHALL BE CLEARLY MARKED WITH WHICH CIRCUITS OR ELECTRICAL SYSTEM THEY CONTAIN.
25. HVAC EQUIPMENT POWER WIRING SHALL BE FURNISHED AND INSTALLED BY THIS CONTRACTOR. CONTROL EQUIPMENT AND CONTROL WIRING SHALL BE FURNISHED UNDER DIVISION 15 UNLESS OTHERWISE NOTED. PROVIDE 3/4" CONDUITS WITH PULL WIRE BETWEEN INSIDE AND OUTSIDE UNITS, THERMOSTAT OUTLETS AND UNITS AND/OR MECHANICAL CONTROL PANEL AS APPLICABLE. THERMOSTAT OUTLETS SHALL BE 4" SQUARE OUTLETS, FLUSH MOUNTED WITH SINGLE GANG OR DOUBLE GANG PLASTER RINGS AS DIRECTED BY THE HVAC CONTRACTOR. COORDINATE EXACT LOCATION OF ALL EQUIPMENT, DEVICES, OUTLETS, ETC, WITH THE MECHANICAL DRAWINGS AND DIVISION 15 SPECIFICATIONS. COORDINATE WITH THE HVAC CONTRACTOR FOR EXACT LOCATIONS OF ALL EQUIPMENT.

**COMcheck Software Version 4.1.5.5**
Interior Lighting Compliance Certificate

Project Information
Energy Code: 90.1 (2013) Standard
Project Title: NEW FLEET MANAGEMENT BUILDING FOR AIDT
Project Type: New Construction

Construction Site: Owner/Agent: PH&J ARCHITECTS
Designer/Contractor: JASON TILLEY
GUNN & ASSOCIATES
MILLBROOK, AL

Allowed Interior Lighting Power	
A Area Category	B Floor Area (ft²)
1.OFFICE (Common Space Types:Office - Enclosed)	3036

Proposed Interior Lighting Power	
A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamp/ Fixture
1.OFFICE (Common Space Types:Office - Enclosed)	
L040: Other	1 4 36 152
L046: Other	1 5 45 225
L072: Other	1 4 76 304
L02: Other	1 2 28 96
L066: Other	1 12 133 1596
LV06: Other	1 5 62 310

Interior Lighting PASSES: Design 22% better than code

Interior Lighting Compliance Statement
Compliance Statement: The proposed interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 90.1 (2013) Standard requirements in COMcheck Version 4.1.5.5 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.
Name: TILLEY JASON TILLEY (ELECTRICAL DESIGNER) Signature: Jason Tilley Date: 11-04-2025

Project Title: NEW FLEET MANAGEMENT BUILDING FOR AIDT Report date: 11/04/25
Data filename: \\s4drive-N02025\25-195 AIDT (HARRY WILLIAMS)\Correspondence\A.I.D.T. ENERGY STUDY.ck Page 1 of 6

**COMcheck Software Version 4.1.5.5**
Exterior Lighting Compliance Certificate

Project Information
Energy Code: 90.1 (2013) Standard
Project Title: NEW FLEET MANAGEMENT BUILDING FOR AIDT
Project Type: New Construction
Exterior Lighting Zone: 1 (Developed total area (L21))

Construction Site: Owner/Agent: PH&J ARCHITECTS
Designer/Contractor: JASON TILLEY
GUNN & ASSOCIATES
MILLBROOK, AL

Allowed Exterior Lighting Power	
A Area/Surface Category	B Quantity
Walkway < 10 feet wide	600 ft of

Proposed Exterior Lighting Power	
A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamp/ Fixture
Walkway < 10 feet wide (600 ft of walkway length): Tradable Wattage	
LED 2: Other	1 6 45 270

Exterior Lighting PASSES: Design 71% better than code

Exterior Lighting Compliance Statement
Compliance Statement: The proposed exterior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed exterior lighting systems have been designed to meet the 90.1 (2013) Standard requirements in COMcheck Version 4.1.5.5 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.
Name: TILLEY JASON TILLEY (ELECTRICAL DESIGNER) Signature: Jason Tilley Date: 11-04-2025

Project Title: NEW FLEET MANAGEMENT BUILDING FOR AIDT Report date: 11/04/25
Data filename: \\s4drive-N02025\25-195 AIDT (HARRY WILLIAMS)\Correspondence\A.I.D.T. ENERGY STUDY.ck Page 2 of 6

GA Gunn & Associates, P.C.
Consulting Engineers
3102 Highway 14
Millbrook, AL 36054
Tel: 334.285.1273
1200 Providence Park, Suite 200
Birmingham, AL 35242
GA#25-195

architects inc.
Montgomery,
Alabama

NEW FLEET MANAGEMENT BUILDING

FOR
AIDT
MONTGOMERY, ALABAMA



DRAWN J.C.T. CHECK K.R.G.

DATE 8/20/2026 R.T.A.
REVISED
REVISED

SHEET TITLE
ELECTRICAL LEGEND &
NOTES

JOB NO. PH&J #2502-CUA
DCM #2025417

SEQUENCE NO. 27 OF 39

RE-BID
E0.2

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GENERAL NOTES:

1. LOCATIONS OF RISER POLES, AND TRANSFORMERS SHALL BE COORDINATED PRIOR TO BIDS. ADJUST FEEDER AND CONDUIT LENGTHS ACCORDINGLY. PAY ALL UTILITY COMPANY FEES. BID ACCORDINGLY.
2. COORDINATE WITH POWER RISER DIAGRAMS FOR FEEDER AND CONDUIT SIZES AND ALL OTHER ADDITIONAL REQUIREMENTS NOT SHOWN ON SITE PLAN.
3. ALL UNDERGROUND CONDUITS SHALL BE 36" MINIMUM BELOW GRADE. PRIMARY CONDUIT SHALL BE MINIMUM 48" BELOW GRADE.
4. ALL ROUTING IS SHOWN DIAGRAMMATIC. VERIFY ACTUAL ROUTING AND FIELD CONDITIONS PRIOR TO BIDS.
5. CONTRACTOR SHALL LABEL ALL CONDUITS ENTERING AND EXITING COMMUNICATIONS HAND HOLES AND BACKBOARDS.
6. SEE SHEET E1.2 FOR TYPICAL TRENCH/DUCT DETAILS FOR ALL SURFACES. WORK SHALL COMPLY WITH DETAILS.
7. SEE SHEET COMMUNICATIONS RISER DIAGRAMS ON SHEET E6.1 FOR ADDITIONAL REQUIREMENTS.

SHEET NOTES:

- 1

CONTRACTOR SHALL PROVIDE ONE 2" CONDUIT FROM NEW RACK TO EXISTING BUILDING AND THEN LB INTO EXISTING BUILDING AND EXTEND CONDUIT TO EXISTING "MDF" COMMUNICATION'S RACK.
- 2

CONTRACTOR SHALL REMOVE EXISTING EXTERIOR LIGHTING POLE AND LIGHT. CONTRACTOR SHALL INTERCEPT & EXTEND EXISTING CIRCUIT TO EXISTING FIXTURES TO REMAIN. CONTRACTOR SHALL TURN OVER EXISTING POLE AND LIGHTS TO OWNER.
- 3

CONTRACTOR SHALL PROVIDE NEW SECONDARY TO PANEL DH. CONTRACTOR MAY USE EXISTING EXTERIOR JUNCTION BOX CABINET AND SPARE CONDUIT TO EXISTING PANEL DH. CONTRACTOR SHALL VISIT PRIOR TO BIDS TO CONFIRM PATH AND BID ACCORDINGLY.

SITE LEGEND

- UP--UNDERGROUND PRIMARY
- US--UNDERGROUND SECONDARY
- UC--UNDERGROUND COMMUNICATIONS

UNDERGROUND UTILITY NOTES:

1. THE UNDERGROUND UTILITY PORTION OF THIS PROJECT CONSISTS OF BUT IS NOT LIMITED TO:

a.

TRENCHING/BACKFILLING FOR DUCT LINES AND CONDUIT SYSTEMS

b.

DUCTBANK INSTALLATIONS

c.

LOW VOLTAGE CONDUCTOR INSTALLATION

d.

PATCH/REPAIR ALL DAMAGED SURFACES AS A RESULT OF DUCTLINE INSTALLATIONS
2. INSTALLATION SHALL COMPLY WITH THE REQUIREMENTS OF THE NATIONAL ELECTRICAL SAFETY CODE (NESC) AND THE NATIONAL ELECTRICAL CODE (NEC).
3. ALL CONDUCTIVE PARTS OF EQUIPMENT, ENCLOSURES, SUPPORTS, FRAMES, CASES, CONDUIT SYSTEMS AND SURGE ARRESTORS, CABLE SHEATHS, CABLE SHIELDS, COMMON NEUTRALS, ETC., SHALL BE GROUNDED. UNLESS NOTED OTHERWISE CONNECTIONS BELOW GRADE SHALL BE FUSION-WELDED AND ABOVE GRADE FUSION-WELDED OR BOLTED SOLDERLESS. ALL GROUND CONDUCTORS SHALL BE COPPER.
4. ALL CLEARANCES SHALL BE MAINTAINED PER NESC AND NEC. ALL PARTS, DEVICES, EQUIPMENT, ETC. WHICH REQUIRE MAINTENANCE, ADJUSTMENT, OPERATION OR EXAMINATION DURING NORMAL NETWORK OPERATION SHALL BE ARRANGED SO AS TO BE ACCESSIBLE BY THE PROVISION OF ADEQUATE WORKING SPACES, WORKING FACILITIES AND CLEARANCES. UNLESS NOTED OTHERWISE ALL CLEARANCES ARE MEASURED FROM SURFACE TO SURFACE.
5. ALL DIMENSIONS INDICATED IN THESE DOCUMENTS ARE FOR REFERENCE AND COORDINATION PURPOSES ONLY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS IN THE FIELD.
6. UNLESS OTHERWISE SHOWN OR DIRECTED DUCT LINES SHALL NOT BE LOCATED DIRECTLY UNDER STRUCTURES AND NOT DIRECTLY UNDER OR OVER OTHER SUBSURFACE STRUCTURES. WHERE DUCT LINES ARE REQUIRED TO CROSS OTHER UTILITIES SUCH AS SEWERS, WATER LINES, OTHER POWER LINES, COMMUNICATION LINES, ETC., ADEQUATE SUPPORT SHALL BE PROVIDED ON EACH SIDE OF THE CROSSING TO PREVENT TRANSFERRING ANY DIRECT LOAD ONTO THE OTHER LINE. DUCT LINES SHALL BE SO INSTALLED AS TO PREVENT HEAT TRANSFER BETWEEN ANY HEAT PRODUCING LINES AND/OR EQUIPMENT TO DUCT LINES.

a.

ROUTING SHOWN ON DRAWINGS IS TYPICAL AND THE CONTRACTOR SHALL PROPOSE FINAL ROUTING BASED UPON ACTUAL FIELD DIMENSIONS, CONDITIONS AND EXISTING UNDERGROUND UTILITIES AND STRUCTURES.

b.

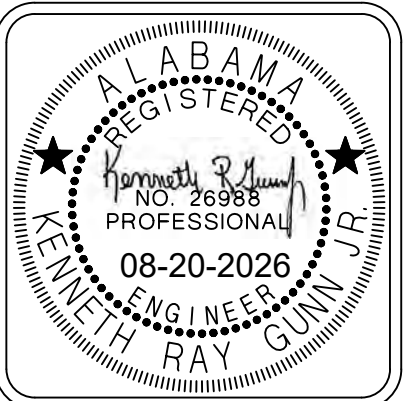
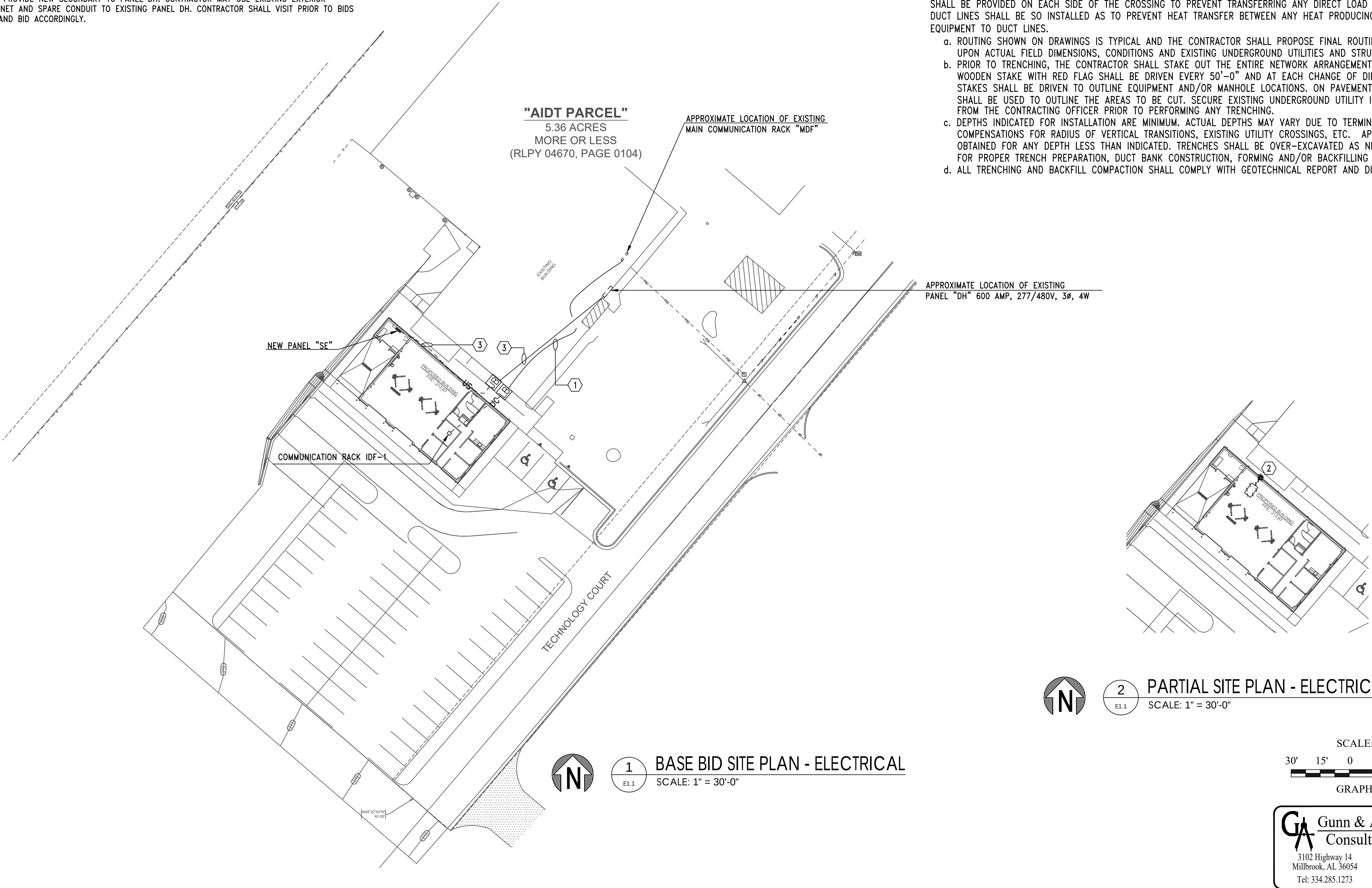
PRIOR TO TRENCHING, THE CONTRACTOR SHALL STAKE OUT THE ENTIRE NETWORK ARRANGEMENT. ONE GRADE A WOODEN STAKE WITH RED FLAG SHALL BE DRIVEN EVERY 50'-0" AND AT EACH CHANGE OF DIRECTION. FOUR STAKES SHALL BE DRIVEN TO OUTLINE EQUIPMENT AND/OR MANHOLE LOCATIONS. ON PAVEMENTS RED PAINT SHALL BE USED TO OUTLINE THE AREAS TO BE CUT. SECURE EXISTING UNDERGROUND UTILITY INFORMATION FROM THE CONTRACTING OFFICER PRIOR TO PERFORMING ANY TRENCHING.

c.

DEPTHS INDICATED FOR INSTALLATION ARE MINIMUM. ACTUAL DEPTHS MAY VARY DUE TO TERMINATIONS, COMPENSATIONS FOR RADIUS OF VERTICAL TRANSITIONS, EXISTING UTILITY CROSSINGS, ETC. APPROVAL SHALL BE OBTAINED FOR ANY DEPTH LESS THAN INDICATED. TRENCHES SHALL BE OVER-EXCAVATED AS NECESSARY TO ALLOW FOR PROPER TRENCH PREPARATION, DUCT BANK CONSTRUCTION, FORMING AND/OR BACKFILLING REQUIREMENTS.

d.

ALL TRENCHING AND BACKFILL COMPACTION SHALL COMPLY WITH GEOTECHNICAL REPORT AND DIVISION 200.



DRAWN	J.C.T.	CHECK	K.R.G.
DATE		8/20/2026 R.T.A.	
REVISED			
REVISED			
SHEET TITLE			
SITE PLAN - ELECTRICAL			
JOB NO. PH&J #2502-CUA			
DCM #2025417			
SEQUENCE NO.	28	OF	39

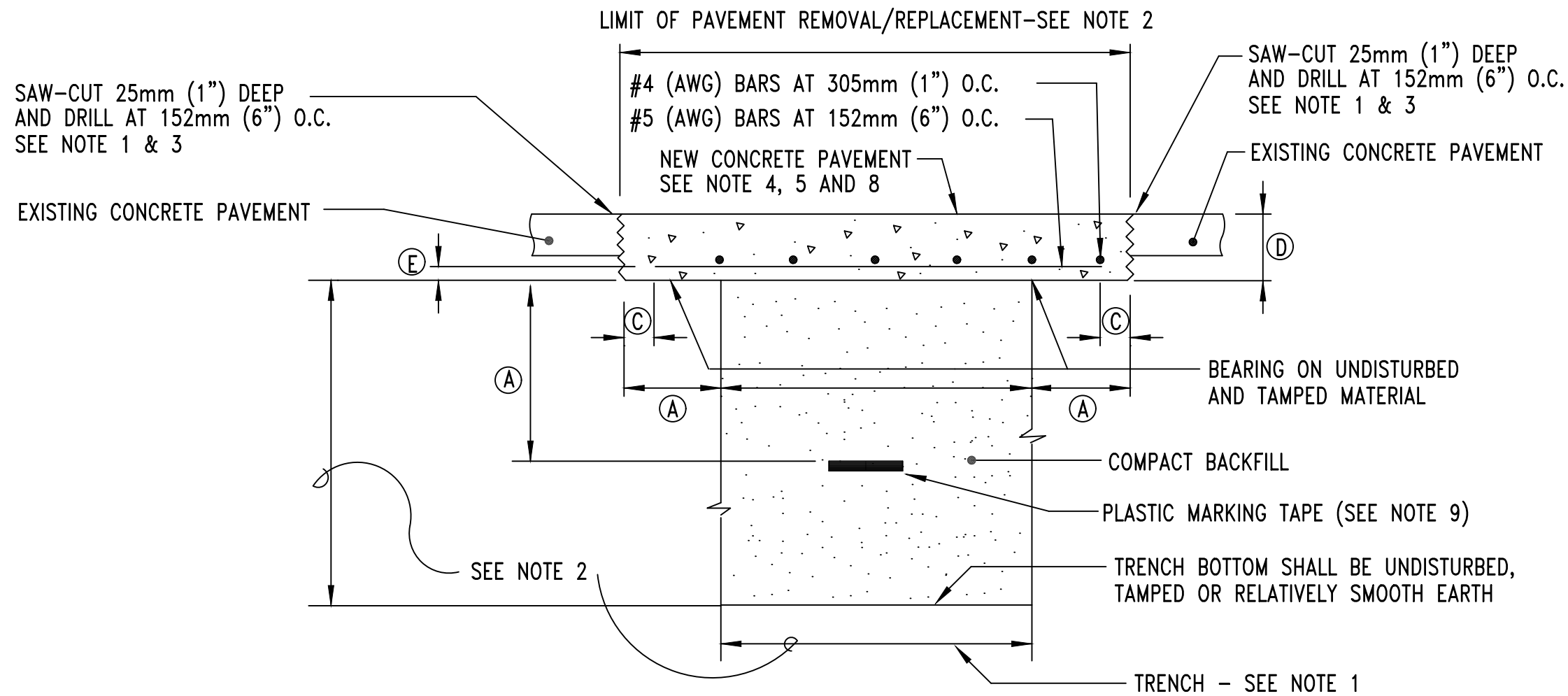
RE-BID
E1.1

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DIMENSION BLOCK		
REF	SI	ENGLISH
A	305mm	1'-0"
B	152mm	0'-6"
C	51mm	0'-2"
D	203mm	0'-8"
E	76mm	0'-3"

NOTES:

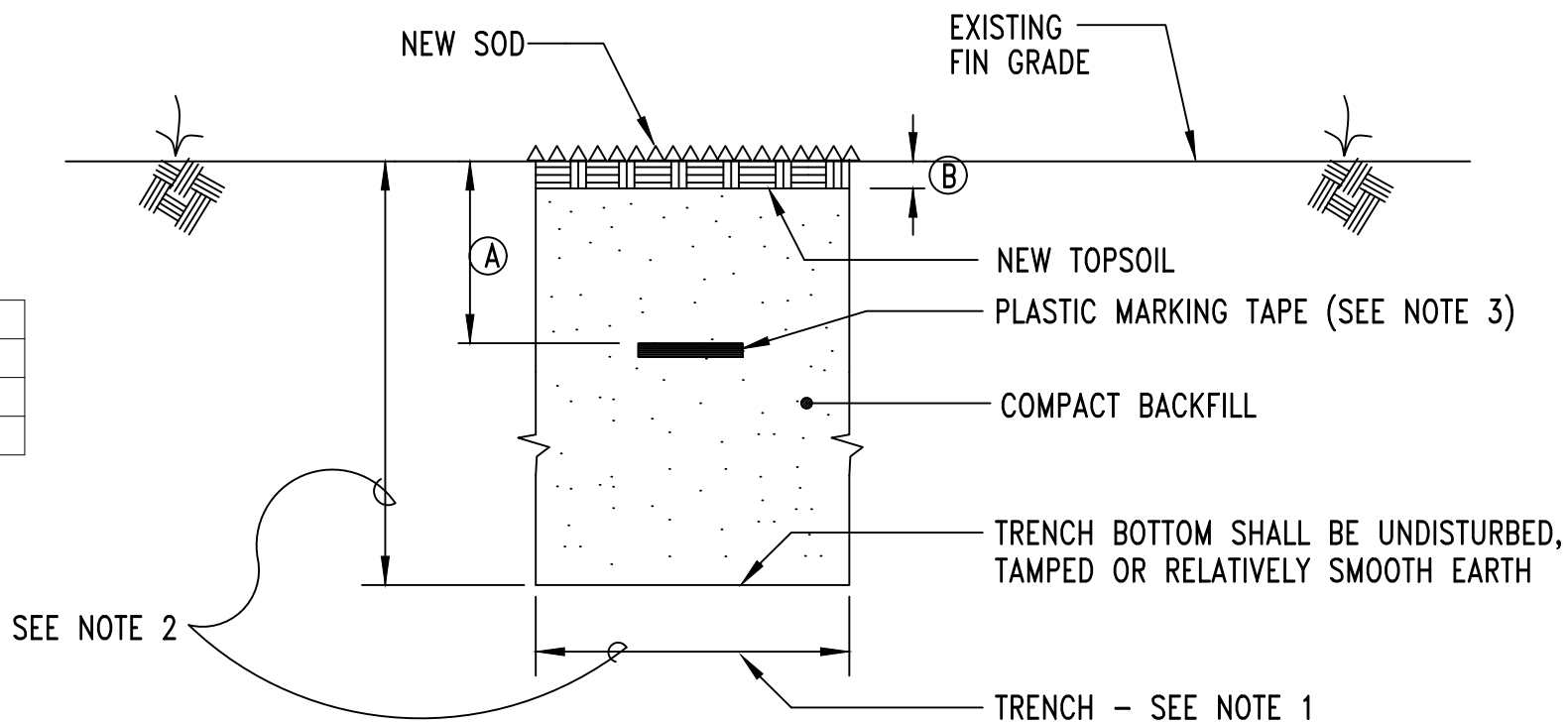
1. TRENCH/CUT EXISTING SURFACES. BACKFILL/PATCH/REPAIR ALL SURFACES AS SHOWN.
2. TRENCH DEPTH AND WIDTH SHALL BE AS REQUIRED FOR THE INSTALLATION OF THE RACEWAY LINE SPECIFIED. SEE APPLICABLE RACEWAY LINE SECTION.
3. PAVEMENT REMOVAL SHALL BE COMPLETE FROM THE SITE AND EXTEND BEYOND THE TRENCH WIDTH AS INDICATED.
4. CONCRETE SHALL BE CLASS A.
5. MATCH THICKNESS OF EXISTING CONCRETE PAVEMENT 8" (20.32cm) MIN.
6. LEAVE DRILLED FACE OF EXISTING PAVEMENT IRREGULAR TO INSURE KEY TO NEW CONCRETE PAVEMENT.
7. ALL EXISTING JOINTS TO BE RE-ESTABLISHED.
8. REINFORCING BARS SHALL MEET ASTM A615, A616 OR A617, GRADE 40. REINFORCING BARS SHALL BE INSTALLED THE CONTINUOUS LENGTH OF CONCRETE PAVEMENT.
9. PLASTIC MARKER TAPE SHALL BE RED AND CONTAIN FOIL BACKING OR EQUIVALENT TO ENABLE DETECTION BY A METAL DETECTOR. SEE SPECIFICATIONS.



2 SECTION - TYPICAL TRENCH/BACKFILL/REPAIR RIGID PAVEMENT
E1.2 NO SCALE

NOTES:

1. TRENCH/CUT EXISTING SURFACES. BACKFILL/PATCH/REPAIR AND INSTALL NEW SOD.
2. TRENCH DEPTH AND WIDTH SHALL BE AS REQUIRED FOR THE INSTALLATION OF THE RACEWAY LINE SPECIFIED. SEE APPLICABLE RACEWAY LINE SECTION.
3. PLASTIC MARKER TAPE SHALL BE RED AND CONTAIN FOIL BACKING OR EQUIVALENT TO ENABLE DETECTION BY A METAL DETECTOR. SEE SPECIFICATIONS.

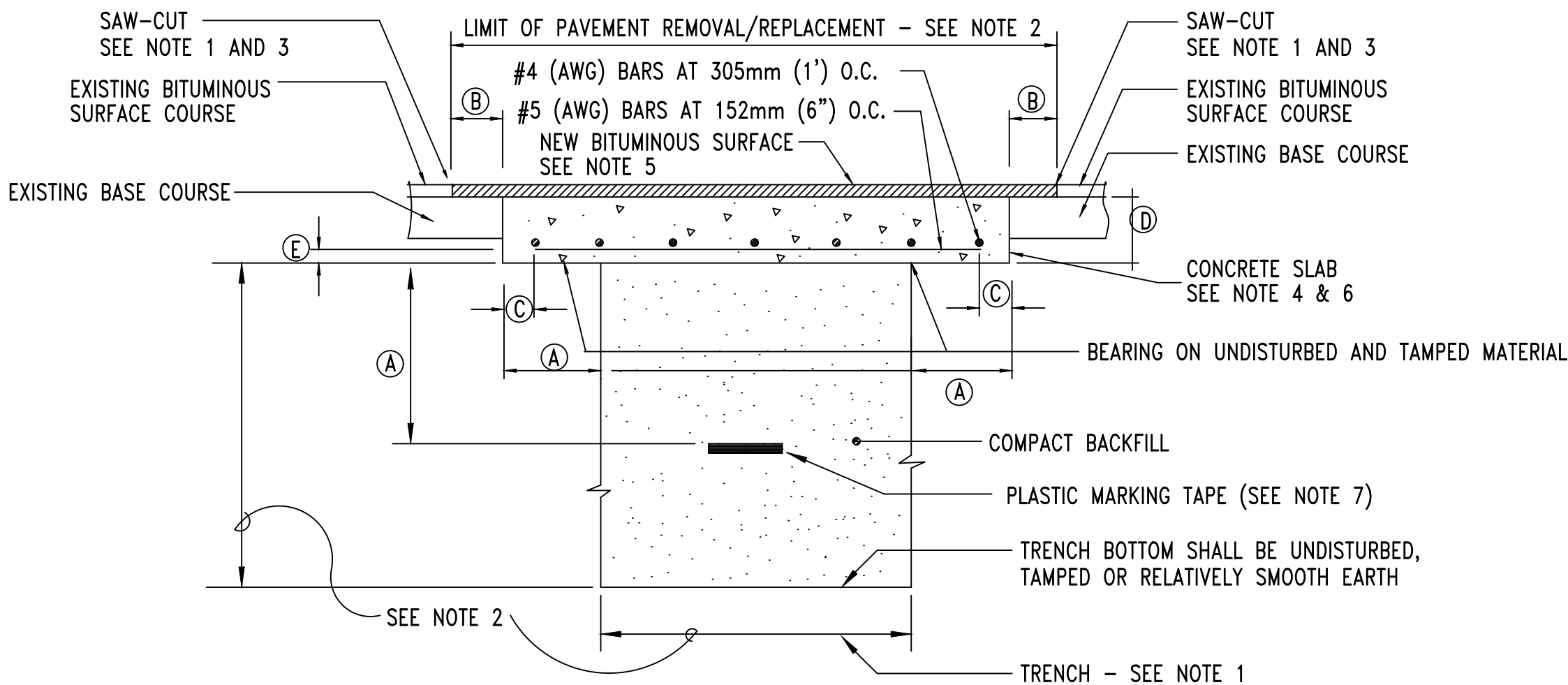


3 SECTION - TYPICAL TRENCH/BACKFILL/REPAIR SODDED AREAS
E1.2 NO SCALE

DIMENSION BLOCK		
REF	SI	ENGLISH
A	305mm	1'-0"
B	152mm	0'-6"
C	51mm	0'-2"
D	203mm	0'-8"
E	76mm	0'-3"

NOTES:

1. TRENCH/CUT EXISTING SURFACES. BACKFILL/PATCH/REPAIR ALL SURFACES AS SHOWN.
2. TRENCH DEPTH AND WIDTH SHALL BE AS REQUIRED FOR THE INSTALLATION OF THE RACEWAY LINE SPECIFIED. SEE APPLICABLE RACEWAY LINE SECTION.
3. PAVEMENT REMOVAL SHALL BE COMPLETE FROM THE SITE AND EXTEND BEYOND THE TRENCH WIDTH AS INDICATED.
4. CONCRETE SHALL BE CLASS A.
5. MATCH THICKNESS OF EXISTING BITUMINOUS SURFACE, OR 38mm (1.5") MINIMUM, WHICHEVER IS GREATER.
6. REINFORCING BARS SHALL MEET ASTM A615, A616 OR A617, GRADE 40. REINFORCING BARS SHALL BE INSTALLED THE CONTINUOUS LENGTH OF CONCRETE SLAB.
7. PLASTIC MARKER TAPE SHALL BE RED AND CONTAIN FOIL BACKING OR EQUIVALENT TO ENABLE DETECTION BY A METAL DETECTOR. SEE SPECIFICATIONS.



1 SECTION - TYPICAL TRENCH/BACKFILL/REPAIR FLEXIBLE PAVEMENT
E1.2 NO SCALE

Gunn & Associates, P.C.
Consulting Engineers
3102 Highway 14
Millbrook, AL 36054
Tel: 334.285.1273
1200 Providence Park, Suite 200
Birmingham, AL 35242
GA#25-195



DRAWN	J.C.T.	CHECK	K.R.G.
DATE	8/20/2026 R.T.A.		
REVISED			
REVISED			
SHEET TITLE	BASE BID - TRENCHING DETAILS & NOTES		
JOB NO.	PH&J #2502-CUA DCM #2025417		
SEQUENCE NO.	29 OF 39		

RE-BID
E1.2

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NEW FLEET MANAGEMENT BUILDING

FOR
AIDT

MONTGOMERY, ALABAMA

architects inc.
Montgomery,
Alabama

SHEET NOTES:

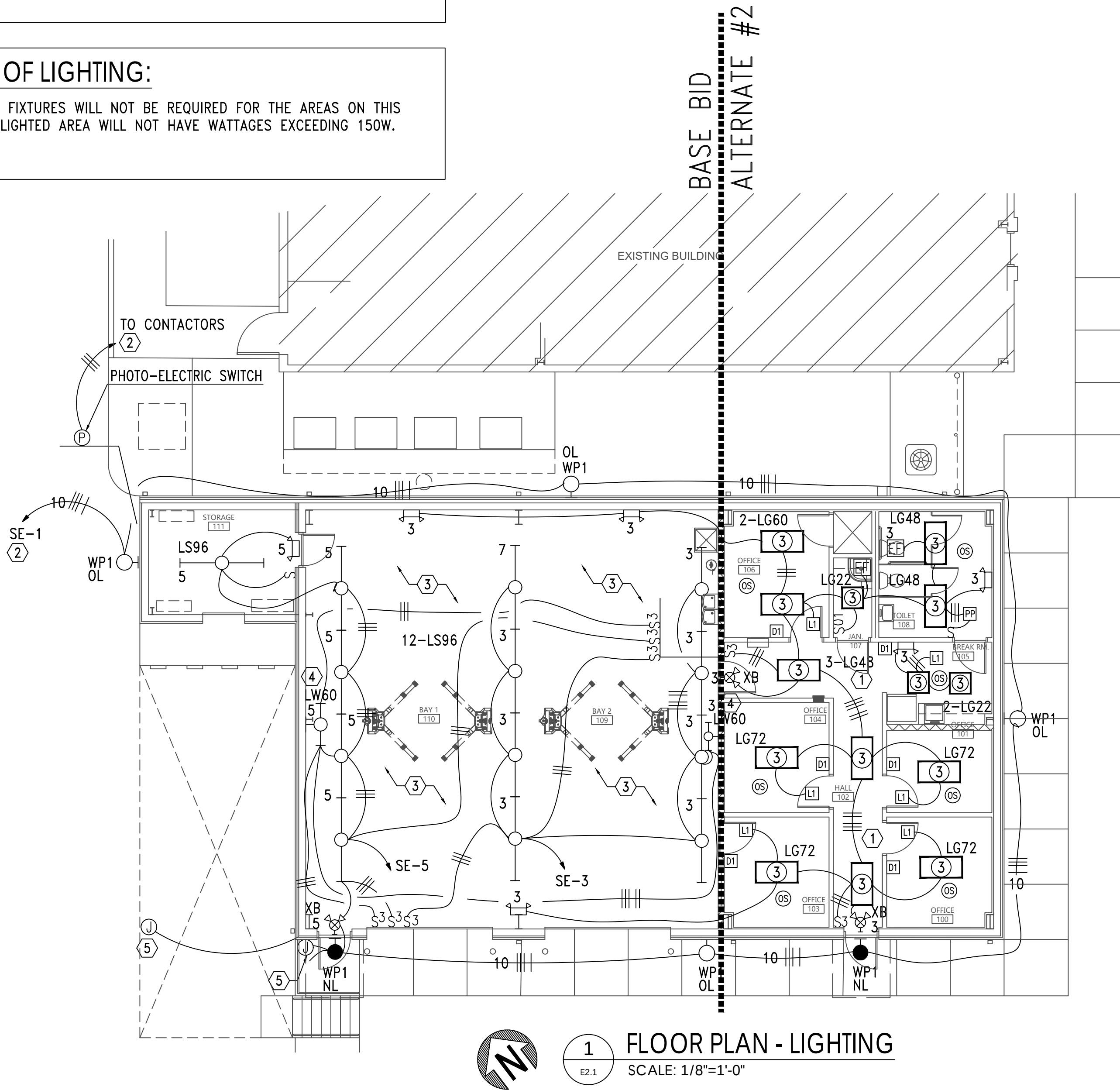
1. DUE TO SECURITY CONCERNS THE OWNER DOES NOT WANT CORRIDOR LIGHTS TO TURN OFF DURING CLASS BY OCCUPANCY SENSORS.
2. ROUTE EXTERIOR LIGHTING CIRCUITS THRU CONTACTORS AS SHOWN IN DETAIL 3. "NL" DESIGNATES LIGHTS ARE PHOTOCELL ON/PHOTOCELL OFF. "OL" DESIGNATES PHOTOCELL ON/TIMECLOCK OFF.
3. DUE TO SECURITY CONCERNS THE OWNER DOES NOT WANT SHOP LIGHTS TO TURN OFF DURING USE BY OCCUPANCY SENSORS.
4. MOUNT WALL LIGHT TO BE ABLE TO LIGHT CLOSE LIFTS WHEN LIFTS ARE RAISED. MOUNT WALL LIGHT 5 1/2 FEET OR AS DIRECTED BY OWNER.
5. CONTRACTOR SHALL PROVIDE JUNCTION BOX AND STUB UP BUILDING EXTERIOR LIGHTING POWER AND CONTROLS FOR FUTURE LIGHTS PROVIDED BY OWNER. PROVIDE ALLOWANCE OF \$3,000 FOR EXTERIOR BUILDING LIGHTS. VERIFY EXACT LOCATION WITH OWNER PRIOR TO ROUGH IN.

ROOM CONTROLLER NOTES:

1. CONTRACTOR SHALL LOCATE ALL ROOM CONTROLLERS ABOVE DOORS IN EACH ROOM 6" ABOVE CEILING GRID. PROVIDE ACCESS PANELS WHERE LOCATED ABOVE HARD CEILINGS OR MOUNT IN UTILITY TYPE ROOMS WHENEVER POSSIBLE. ROOM CONTROLLERS SHOWN ON THIS PLAN IS DIAGRAMMATIC FOR CIRCUITRY. DO NOT USE THESE FOR ACTUAL LOCATIONS. PROVIDE A WHITE PHENOLIC LABEL WITH 1" BLACK TEXT THAT READS "RC" GLUED ON CEILING GRID UNDER POWER PACK FOR EACH LOCATION FOR FUTURE MAINTENANCE.

PHOTOCONTROL OF LIGHTING:

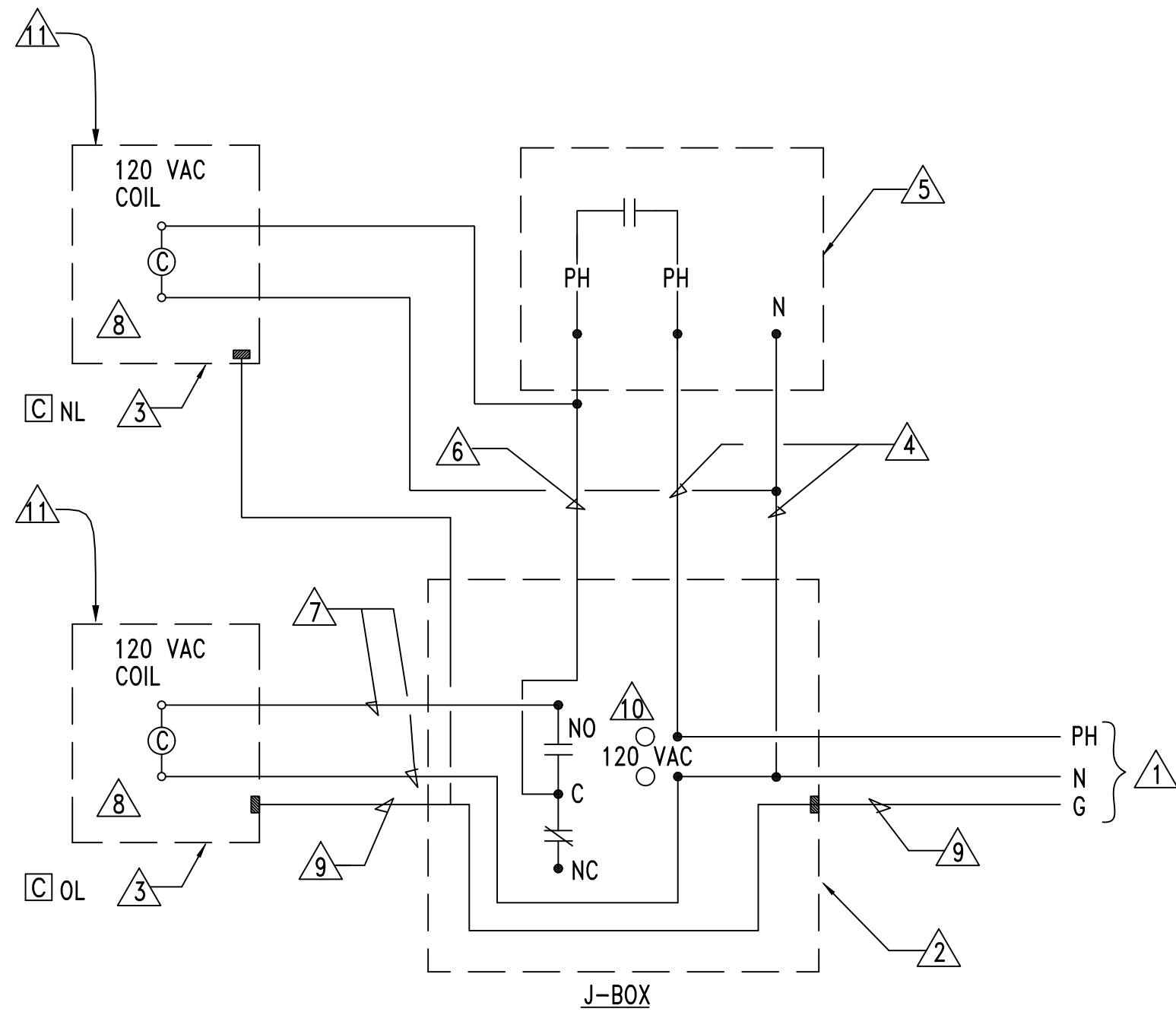
1. PHOTOCONTROL OF LIGHT FIXTURES WILL NOT BE REQUIRED FOR THE AREAS ON THIS PAGE. THE PRIMARY SIDELIGHTED AREA WILL NOT HAVE WATTAGES EXCEEDING 150W.



1 FLOOR PLAN - LIGHTING
SCALE: 1/8"=1'-0"

KEYED NOTES

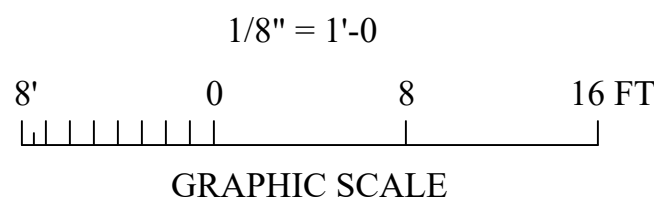
1. POWER SUPPLY - 120V, 1PH, 60HZ
2. TIME SWITCH ENCLOSURE - NEMA 1 UNLESS NOTED OTHERWISE
3. CONTACTOR ENCLOSURE - NEMA 1 UNLESS NOTED OTHERWISE
4. POWER TAP TO PHOTO-CELL IN GRC
5. TURN-LOCK PHOTO-CELL, SEE DETAIL
6. SWITCH LEG RETURN IN GRC
7. POWER TO CONTACTOR COIL
8. LIGHTING CONTACTOR [C] NL & [C] OL AS FOLLOWS:
-NEMA ICS 2-211B INDUSTRIAL DUTY TYPE
-ELECTRICALLY OPERATED-ELECTRICALLY HELD
-RATING AND NUMBER OF POLES INDICATED
-CONTACTS SHALL BE SILVER ALLOY, DOUBLE-BREAK, SUITABLE FOR TUNGSTEN, BALLAST LIGHTING, RESISTANCE AND MOTOR LOADS
-FUSING FOR CONTROL CIRCUIT
9. GROUND CONDUCTOR - BOND TO EACH ENCLOSURE AND INSTALL IN EACH CONDUIT SYSTEM
10. DIGITAL TIME SWITCH AS FOLLOWS:
-ONE CHANNEL WITH 24 HOUR, SEVEN DAY PROGRAMMING AND SKIP-A-DAY FEATURE
-INPUT: 120 VAC, 60HZ
-OUTPUT: DPST DRY CONTACTS (UNPOWERED)
-HEAVY DUTY CONTACTS RATED 20 AMPERE RESISTIVE AT 120 VAC
-TEMPERATURE RANGE: -20 TO +60 DEGREES CELSIUS
-RELATIVE HUMIDITY: 0 TO 90% RH
-CLOCK ACCURACY: ±2 MINUTES PER YEAR
-LED INDICATION OF TIME AND LOAD STATUS
-FULL WEEK'S RESERVE POWER (BATTERY BACK-UP)
11. PROVIDE NUMBER OF POLES REQUIRED.



2 DETAIL - TYPICAL OPERATION OF TIME SWITCH/PHOTO-CELL/CONTACTOR
NO SCALE

GENERAL NOTES:

1. ALL OCCUPANCY SENSORS LOCATIONS ARE APPROXIMATE. REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR EXACT MOUNTING AND SPACING REQUIREMENTS PRIOR TO INSTALLATION.
2. ULTRASONIC CEILING MOUNTED OCCUPANCY SENSORS SHALL BE LOCATED A MINIMUM OF SIX (6) FEET FROM HVAC SUPPLY/RETURN VENTS.
3. CONTRACTOR IS RESPONSIBLE FOR PROPER SENSITIVITY AND TIME DELAY SETTINGS FOR OCCUPANCY SENSORS, FOLLOWING THE MANUFACTURER'S RECOMMENDED PLACEMENT, AND FIELD VERIFICATION OF CIRCUITS WITH RESPECT TO POWER PACK PLACEMENT.
4. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF REQUIRED NUMBER OF POWER PACKS FOR OCCUPANCY SENSORS AND THE FOLLOWING:
a. ONE POWER PACK IS REQUIRED FOR EACH CONTROLLED CIRCUIT.
b. REFER TO MANUFACTURER'S INSTALLATION GUIDE FOR MAXIMUM NUMBER OF SENSORS CONNECTED TO A POWER PACK
c. IF MULTIPLE CIRCUITS OR DUAL SWITCHING ARE TO BE CONTROLLED BY OCCUPANCY SENSORS, PROVIDE ALL ADDITIONAL AUXILIARY RELAYS AND POWER PACKS AS NEEDED.
5. OCCUPANCY SENSORS MOUNTED OVER DOORWAYS SHALL BE PLACED ONE (1) FOOT INSIDE THRESHOLD.
6. SEE POWER PLANS FOR PANEL LOCATIONS.
7. PROVIDE DEDICATED NEUTRALS FOR EACH MULTIWIRED HOMERUN PER NEC.
8. CONTRACTOR SHALL PROVIDE DEDICATED NEUTRALS FOR EACH DIMMING CIRCUIT.
9. COORDINATE WITH LIGHTING CONTROL DETAILS FOR ADDITIONAL REQUIREMENTS. SEE SHEETS E2.2 & E2.3 FOR ADDITIONAL REQUIREMENTS.



GA Gunn & Associates, P.C.
Consulting Engineers
3102 Highway 14
Millbrook, AL 36054
Tel: 334.285.1273
1200 Providence Park, Suite 200
Birmingham, AL 35242
GA#25-195

NEW FLEET MANAGEMENT BUILDING

FOR
AIDT
MONTGOMERY, ALABAMA



DRAWN	J.C.T.	CHECK	K.R.G.
DATE	8/20/2026	R.T.A.	
REVISED			
REVISED			
SHEET TITLE	FLOOR PLAN - LIGHTING		
JOB NO.	PH&J #2502-CUA		
	DCM #2025417		
SEQUENCE NO.	30	OF	39

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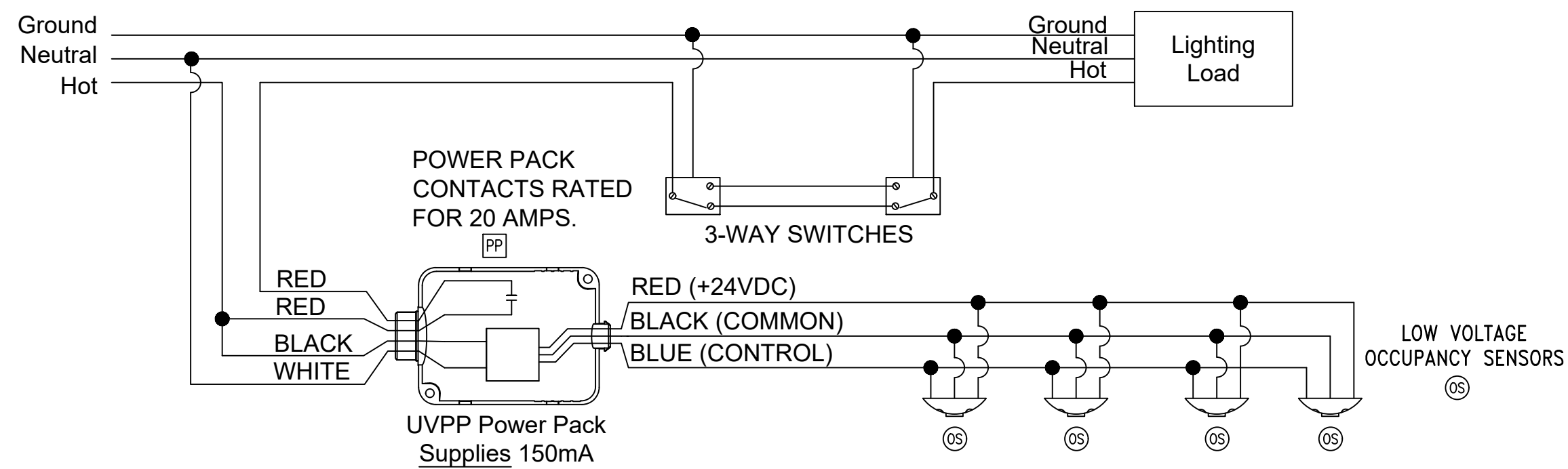
1. OCCUPANCY SENSORS SHALL BE VACANCY TYPE WITH DUAL TECHNOLOGY DETECTION AND 20-MINUTE CUTOFF TIME.
2. OCCUPANCY SENSOR MANUFACTURER PROVIDER WILL BE RESPONSIBLE FOR SIZING THE OCCUPANCY SENSORS IN EACH SPACE. PROVIDE THIS SIZING TO THE ENGINEER DURING SUBMITTAL PHASE FOR APPROVAL. PROVIDE ADDITIONAL OCCUPANCY SENSORS AS REQUIRED TO FULLY COVER ALL SPACES. IF ADDITIONAL OCCUPANCY SENSORS OR ANY OTHER EQUIPMENT IS REQUIRED IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE AND INSTALL. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE THIS WITH LIGHTING MANUFACTURER PRIOR TO BIDS AND COVER THE COST OF ALL MATERIAL AND LABOR FOR ANY ADDITIONAL OCCUPANCY SENSORS.
3. ALL OCCUPANCY SENSORS LOCATIONS ARE APPROXIMATE, REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR EXACT MOUNTING AND SPACING REQUIREMENTS PRIOR TO INSTALLATION.
4. ULTRASONIC CEILING MOUNTED OCCUPANCY SENSORS SHALL BE LOCATED A MINIMUM OF SIX (6) FEET FROM HVAC SUPPLY/RETURN VENTS.
5. CONTRACTOR IS RESPONSIBLE FOR PROPER SENSITIVITY AND TIME DELAY SETTINGS FOR OCCUPANCY SENSORS, FOLLOWING THE MANUFACTURER'S RECOMMENDED PLACEMENT, AND FIELD VERIFICATION OF CIRCUITS WITH RESPECT TO POWER PACK PLACEMENT.
6. OCCUPANCY SENSORS MOUNTED OVER DOORWAYS SHALL BE PLACED ONE (1) FOOT INSIDE THRESHOLD.
7. LIGHTING CONTROL SYSTEM IS SPECIFIED AROUND THE HUBBELL AUTOMATION SYSTEM. CONTRACTOR SHALL PROVIDE ALL MATERIALS, DEVICES, WIRING, CONNECTIONS, AND PROGRAMMING NEEDED IF ANY OTHER LIGHTING CONTROL SYSTEM SUBMITS FOR APPROVAL AND IS PROVIDED.
8. WATT STOPPER AND N-LIGHT ARE APPROVED EQUALS.
9. CONTRACTOR SHALL GROUND ALL JUNCTION BOXES CONTAINING LOW VOLTAGE SWITCHES OR ANY OTHER TYPE LIGHTING CONTROL DEVICE WITH #12 GRD.



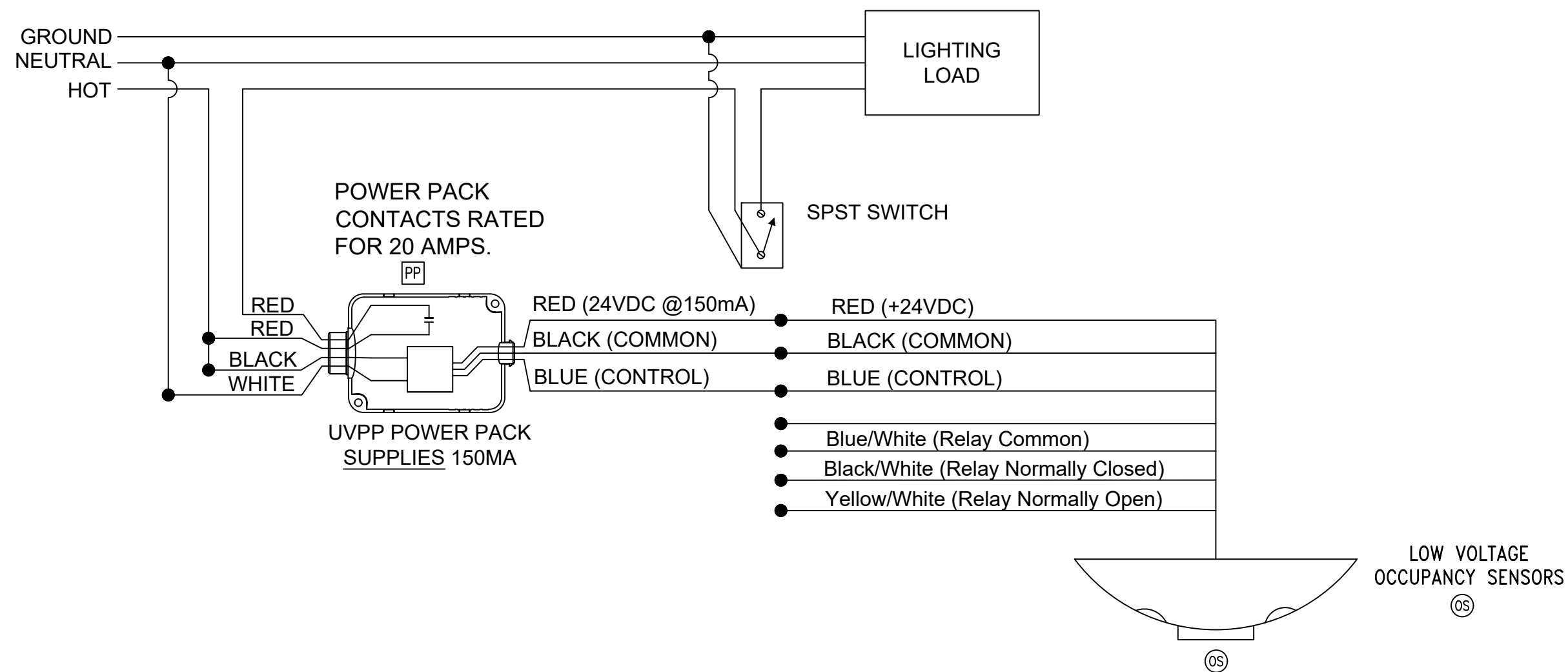
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DATE		8/20/2026 R.T.A.	
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SHEET TITLE			
LIGHTING CONTROL			
DETAILS - ALTERNATE #2			
JOB NO. PH&J #2502-CUA			
DCM #025417			
SEQUENCE	31	OF	39

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1 TYPICAL 3-WAY SWITCHING OCCUPANCY SENSOR WIRING DIAGRAM
NO SCALE



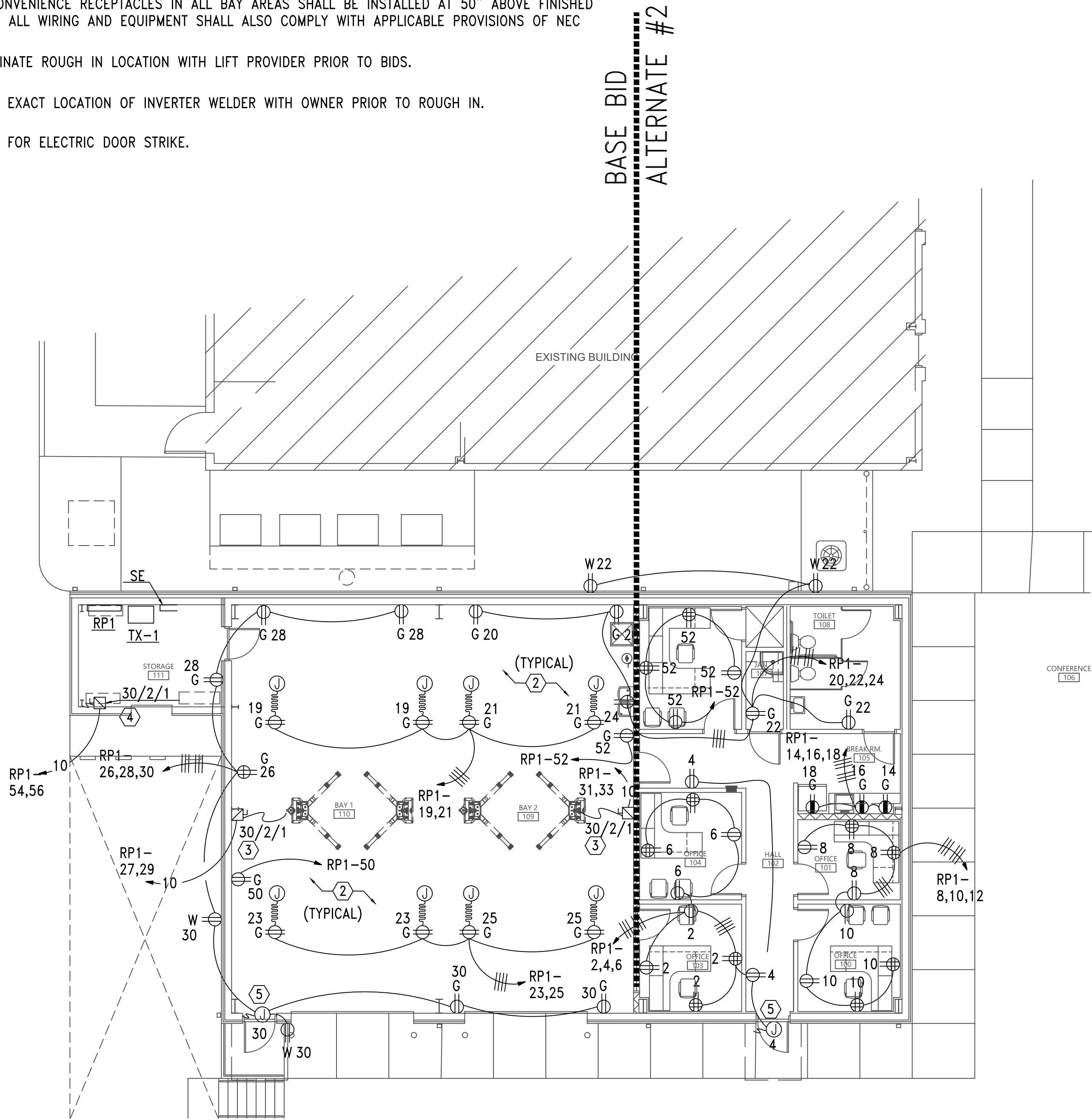
2 TYPICAL SINGLE SWITCH OCCUPANCY SENSOR WIRING DIAGRAM
NO SCALE

GENERAL NOTES:

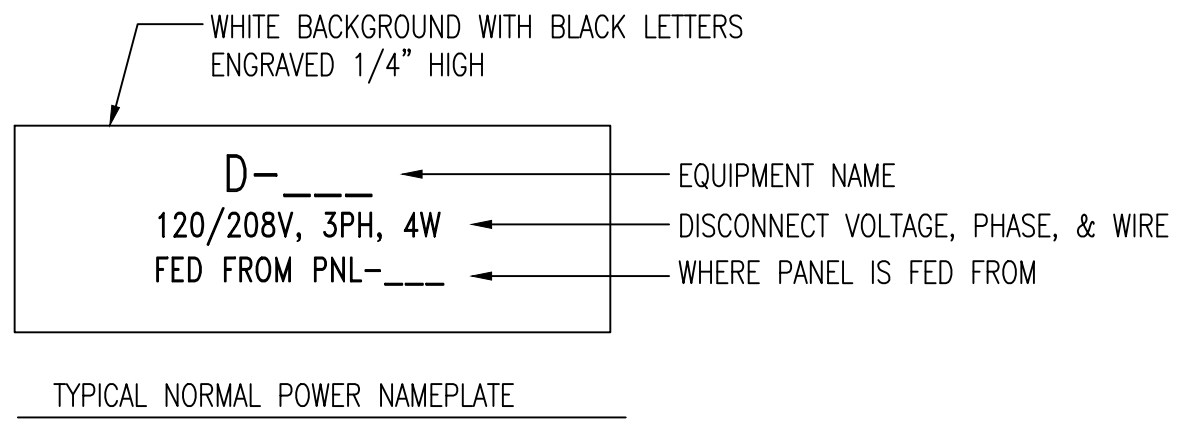
1. PROVIDE DEDICATED NEUTRALS FOR EACH MULTIWIRE HOMERUN PER NEC.
2. COORDINATE EXACT LOCATION OF ALL ELECTRICAL AND COMMUNICATIONS DEVICES WITH MILLWORK PROVIDERS PRIOR TO ROUGH-IN.
3. ALL DISCONNECTS TO HAVE NAMEPLATE AS SHOWN IN DETAIL, NO EXCEPTIONS.
4. ALL RECEPTACLE CIRCUITS THAT ARE ROUTED UNDERGROUND SHALL BE STUBBED UP ABOVE CEILING IN AN ACCESSIBLE LOCATION FOR FUTURE USE.
5. THE OWNER TAKES EXCEPTION TO THE FOLLOWING SECTIONS OF 2013 ASHRAE 90. SECTION 8.4.2 AUTOMATIC RECEPTACLE CONTROLS AND SECTION 8.4.3 ELECTRICAL ENERGY MONITORING. THESE REQUIREMENTS WILL NOT BE PROVIDED IN THIS PROJECT.

SHEET NOTES:

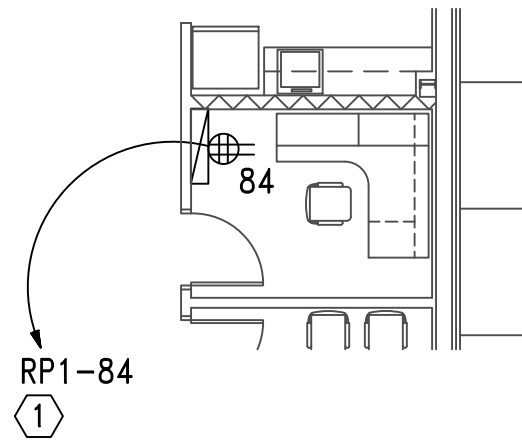
- ① MOUNT RECEPTACLE AT HEIGHT NEEDED FOR COMM RACK.
- ② ALL CONVENIENCE RECEPTACLES IN ALL BAY AREAS SHALL BE INSTALLED AT 50" ABOVE FINISHED FLOOR. ALL WIRING AND EQUIPMENT SHALL ALSO COMPLY WITH APPLICABLE PROVISIONS OF NEC 511.
- ③ COORDINATE ROUGH IN LOCATION WITH LIFT PROVIDER PRIOR TO BIDS.
- ④ VERIFY EXACT LOCATION OF INVERTER WELDER WITH OWNER PRIOR TO ROUGH IN.
- ⑤ POWER FOR ELECTRIC DOOR STRIKE.



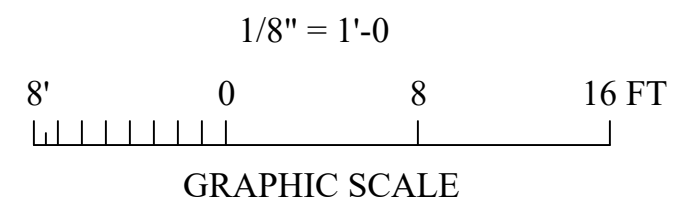
1 FLOOR PLAN - POWER
SCALE: 1/8"=1'-0"



2 DETAIL - TYPICAL DISCONNECT NAMEPLATE
NO SCALE



3 PARTIAL FLOOR PLAN - POWER
SCALE: 1/8"=1'-0"



Gunn & Associates, P.C.
Consulting Engineers
3102 Highway 14
Millbrook, AL 36054
Tel: 334.285.1273
1200 Providence Park, Suite 200
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SHEET TITLE	FLOOR PLAN - POWER		
JOB NO.	PH&J #2502-CUA DCM #2025417		
SEQUENCE NO.	33 OF 39		

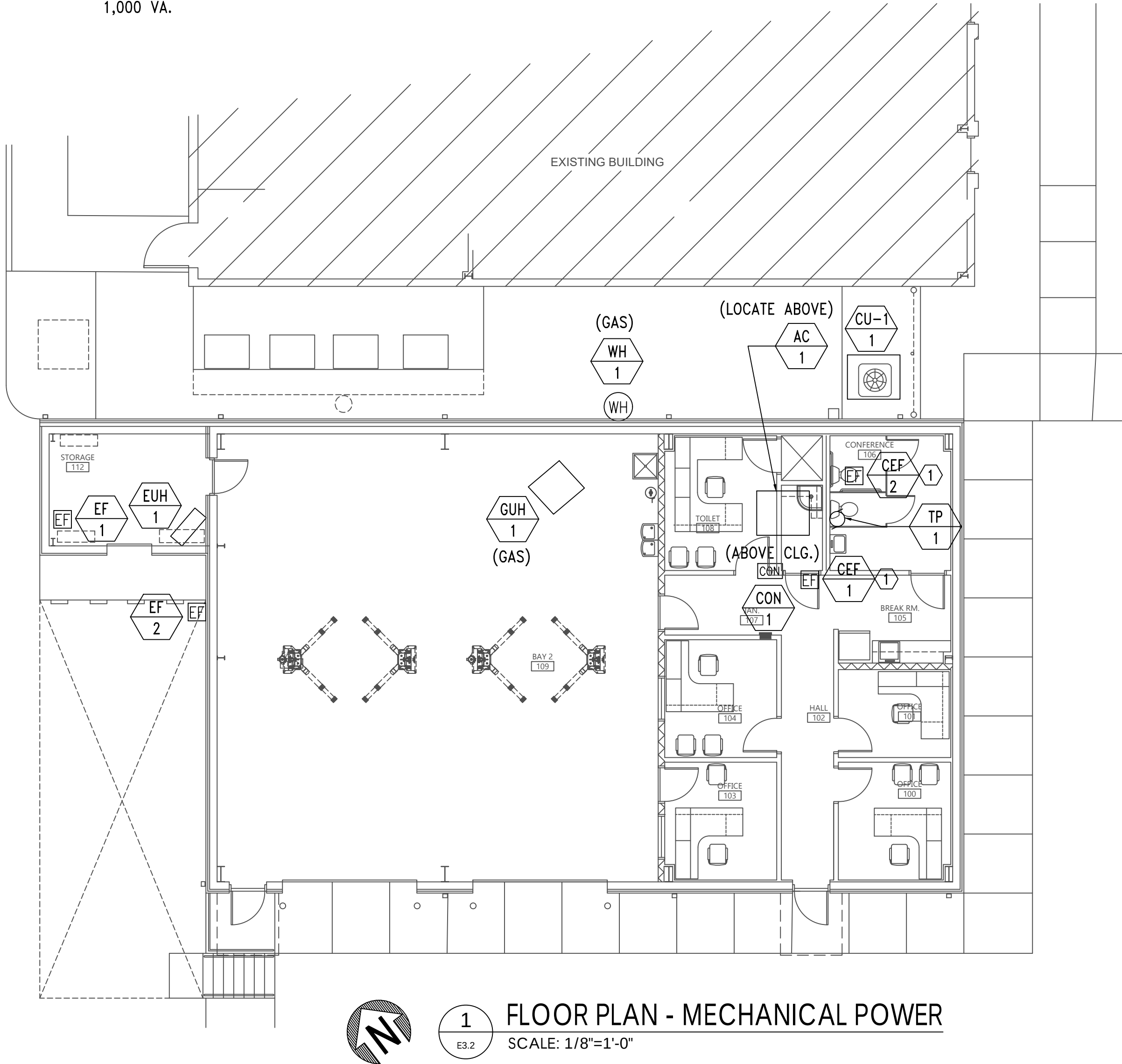
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GENERAL EQUIPMENT SCHEDULE									
EQUIPMENT MARK:	EQUIPMENT DESCRIPTION:	VOLTAGE/PHASE:	ELECTRICAL CHARACTERISTICS:			DISCONNECT:	FUSE:	HOMERUN:	FEEDER:
			HP	KW	AMPS				
AC-1	INDOOR HEAT PUMP	208V/3PH	----	7.2	28	30/3/1	F	RP1 - 55,57.59	3#10 & 1#10GRD - 3/4"C
CEF-1	EXHAUST FAN	120V/1PH	----	0.1	----	TS	----	RP1 - 49	2#12 & 1#12GRD - 3/4"C
CEF-2	EXHAUST FAN	120V/1PH	----	0.1	----	TS	----	RP1 - 49	2#12 & 1#12GRD - 3/4"C
CON-1	CONTROL PANEL	120V/1PH	----	0.600	----	TS	----	RP1 - 17	2#12 & 1#12GRD - 3/4"C
CU-1	OUTSIDE HEAT PUMP	208V/3PH	----	----	14	30/3/3R	F	RP1 - 44,46.48	3#10 & 1#10GRD - 3/4"C
EF-1	EXHAUST FAN	120V/1PH	1/3	----	----	TS	----	RP1 - 15	2#12 & 1#12GRD - 3/4"C
EF-2	INDOOR HEAT PUMP	208V/3PH	5	----	----	30/3/1	F	RP1 - 43,45.47	3#10 & 1#10GRD - 3/4"C
EUH-1	ELECTRIC UNIT HEATER	208V/1PH	5	----	----	30/2/1	F	RP1 - 37,39	2#10 & 1#10GRD - 3/4"C
TP-1	TRAP PRIMER	120V/1PH	----	0.600	----	TS	----	RP1 - 38	2#12 & 1#12GRD - 3/4"C
WH-1	(GAS) WATER HEATER	120V/1PH	----	0.600	----	TS	----	RP1 - 36	2#12 & 1#12GRD - 3/4"C
NOTES: 1. COORDINATE WITH MANUFACTURER'S CUTSHEETS OR NAMEPLATE DATA AND ADJUST OVERCURRENT PROTECTION AS NEEDED TO PROTECT EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS AND TO COMPLY WITH NEC AND ALL LOCAL CODES. COORDINATION SHALL BE DONE PRIOR TO BIDS AND ACCOUNTED FOR IN THE CONTRACTOR'S BID PRICE. 2. ALL DISCONNECTS SHALL BE HEAVY DUTY TYPE. 3. ALL FUSES SHALL BE SIZED PER NAMEPLATE DATA. 4. "NF" - NON-FUSED 5. "F" - FUSED 6. "TS" MANUAL MOTOR STARTER WITH THERMAL OVERLOAD ("W" - WEATHERPROOF) ("30-AMP" - 30-AMP RATED) 7. PROVIDE INTERCONNECTING RELAY SUCH THAT FAN IS CONTROLLED BY LIGHTING. 8. "WP" - WEATHERPROOF ENCLOSURE 9. CONTRACTOR SHALL COORDINATE EXACT REQUIREMENTS AND LOCATIONS FOR ALL CIRCULATING PUMPS AND TIME CLOCKS WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.									

SHEET NOTES:

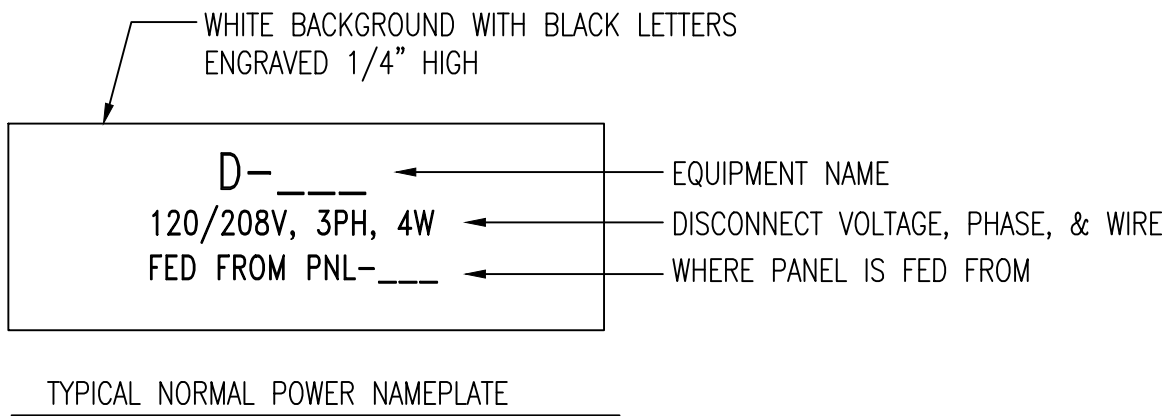
- 1 PROVIDE INTERCONNECTING RELAY TRANSFORMER TO CONTROL 120V EXHAUST FAN ON/OFF BY THE 277 VOLT LIGHTING CIRCUIT IN THIS ROOM. TRANSFORMER SHALL BE 277V INPUT, 120V OUTPUT, 1,000 VA.



1 FLOOR PLAN - MECHANICAL POWER
SCALE: 1/8"=1'-0"

GENERAL MECHANICAL POWER NOTES:

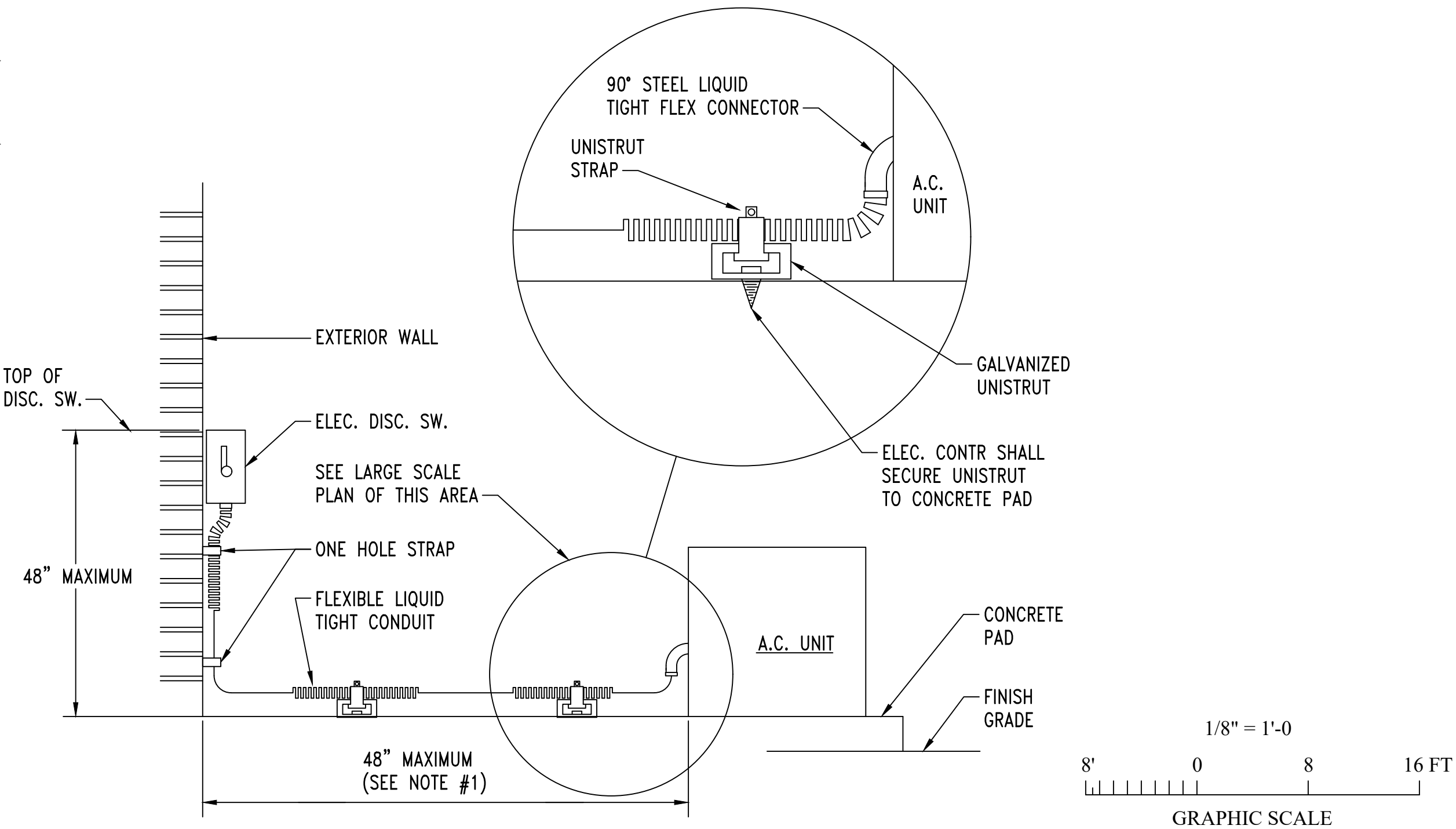
- COORDINATE WITH MECHANICAL/PLUMBING DRAWINGS FOR EXACT LOCATIONS OF EQUIPMENT.
- MOUNT EXTERIOR DISCONNECTS ON EXTERIOR WALLS AT LEAST 18" FROM WINDOWS. LOCATIONS OF DISCONNECTS AND EQUIPMENT ARE SHOWN FOR DRAWING CLARITY PURPOSES ONLY.
- COORDINATE WITH MECHANICAL/PLUMBING CONTRACTORS TO INSURE OVERCURRENT PROTECTION DEVICES FOR THEIR EQUIPMENT IS SIZED PER MANUFACTURER'S RECOMMENDATIONS. ENGINEER SIZED OVERCURRENT PROTECTION ACCORDING TO MECHANICAL/PLUMBING DRAWINGS AND SPECIFICATIONS. ACTUAL EQUIPMENT SUPPLIED MAY DIFFER. ELECTRICAL CONTRACTOR SHALL WORK WITH OTHER TRADE DISCIPLINES TO INSURE ANY CHANGES WILL BE INSTALLED CORRECTLY AT THE COST OF THE PERSON MAKING THE CHANGES.
- ALL FLEXIBLE CONNECT TO HVAC UNITS SHALL BE RUN PARALLEL TO HARD SURFACE AND STRAPPED AT LEAST EVERY 2'.
- CONTRACTOR SHALL PROVIDE CONDUIT FOR MECHANICAL CONTROLS. COORDINATE EXACT LOCATIONS WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
- ALL DISCONNECTS TO HAVE NAMEPLATE AS SHOWN IN DETAIL (2) THIS SHEET, NO EXCEPTIONS.
- PROVIDE DEDICATED NEUTRALS FOR EACH MULTIWIRE HOMERUN PER NEC.
- COORDINATE WITH GENERAL EQUIPMENT SCHEDULES ON THIS SHEET FOR CIRCUITRY OF ALL EQUIPMENT TAGGED ON THIS SHEET.
- SEE DETAIL (3) THIS SHEET FOR MECHANICAL UNIT CONNECTION DETAIL.



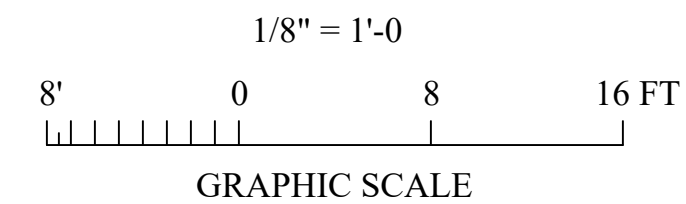
TYPICAL NORMAL POWER NAMEPLATE

2 DETAIL - TYPICAL DISCONNECT NAMEPLATE
NO SCALE

- NOTE:
- FOR DISTANCE GREATER THAN 48" CONDUIT TO BE ROUTED BELOW GRADE WITH 6" OF MECH. UNIT, STUB-UP W/ RIGID ELBOW THRU CONCRETE PAD. PROVIDE FLEXIBLE CONNECTION FROM ELBOW TO MECH. UNIT, W/ CONNECTION MADE AT UNIT AS SHOWN ABOVE.



3 MECHANICAL UNIT CONNECTION DETIAL
NO SCALE



Gunn & Associates, P.C.
Consulting Engineers
3102 Highway 14
Millbrook, AL 36054
Tel: 334.285.1273
1200 Providence Park, Suite 200
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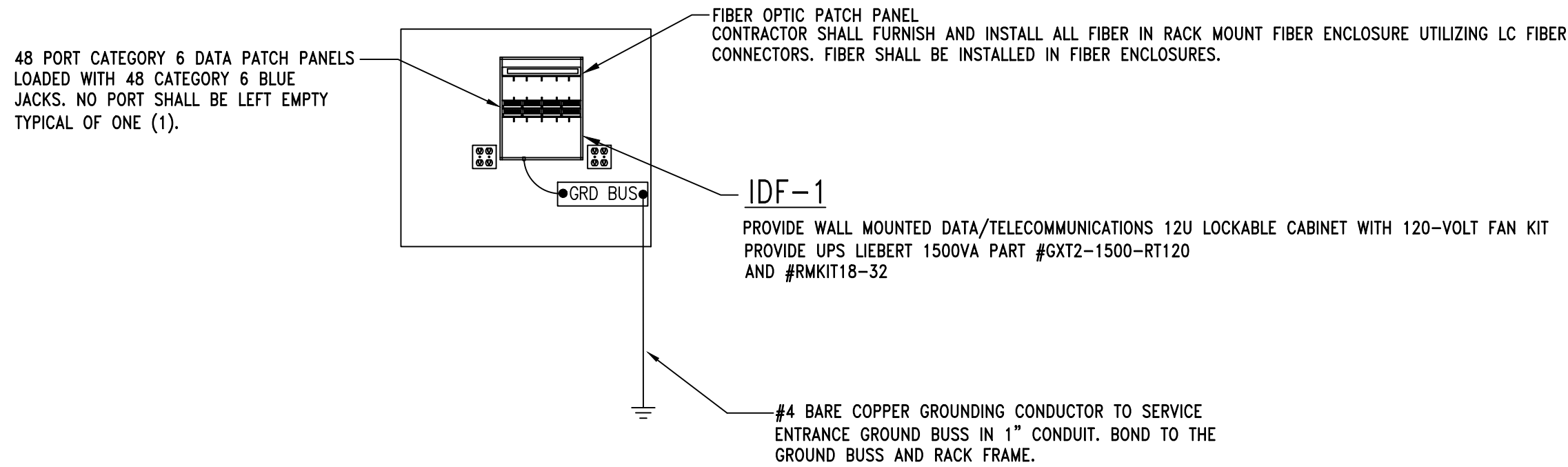


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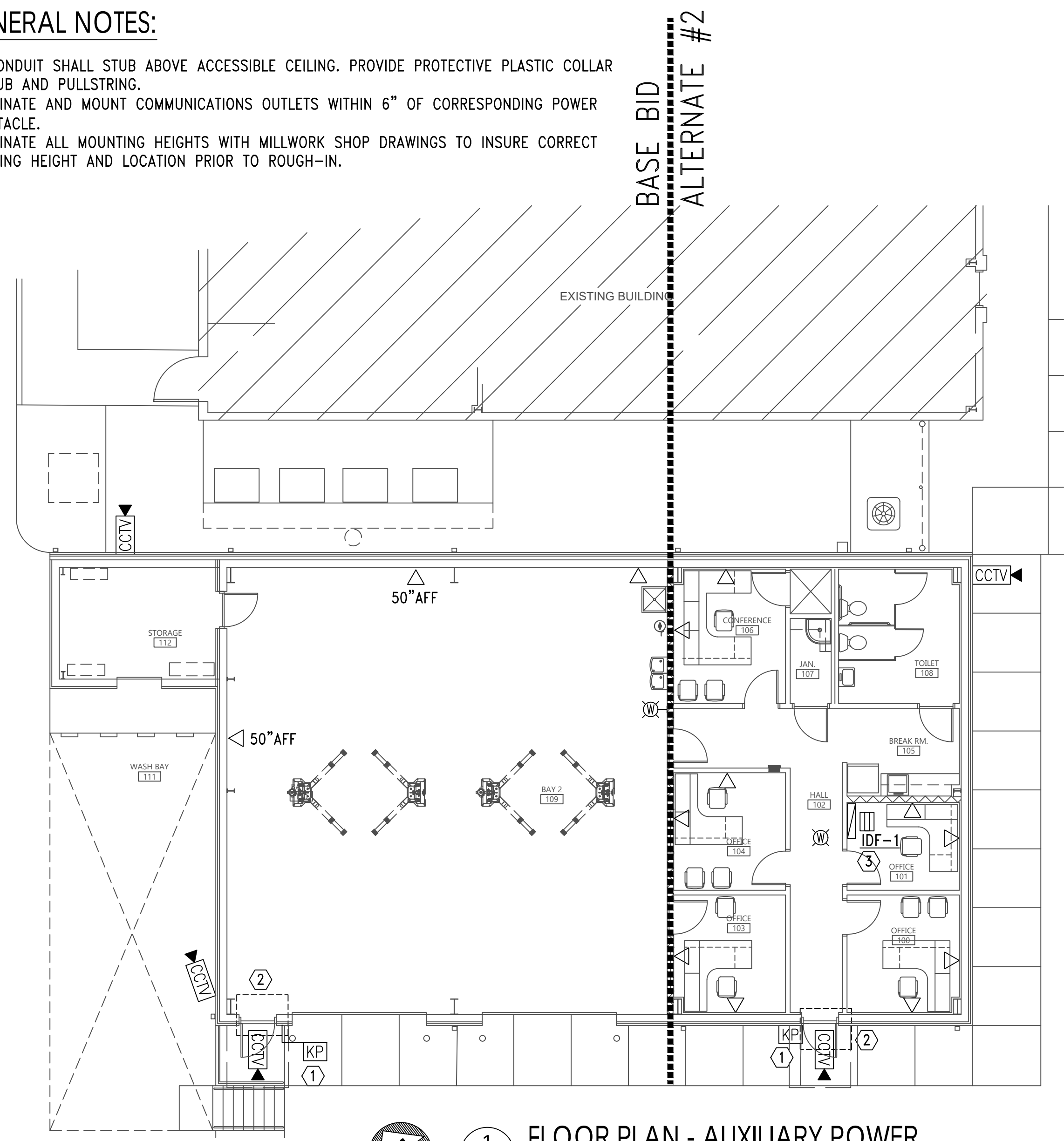
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2 IDF-1 COMMUNICATIONS RACK ELEVATION
E4.1 NO SCALE

GENERAL NOTES:

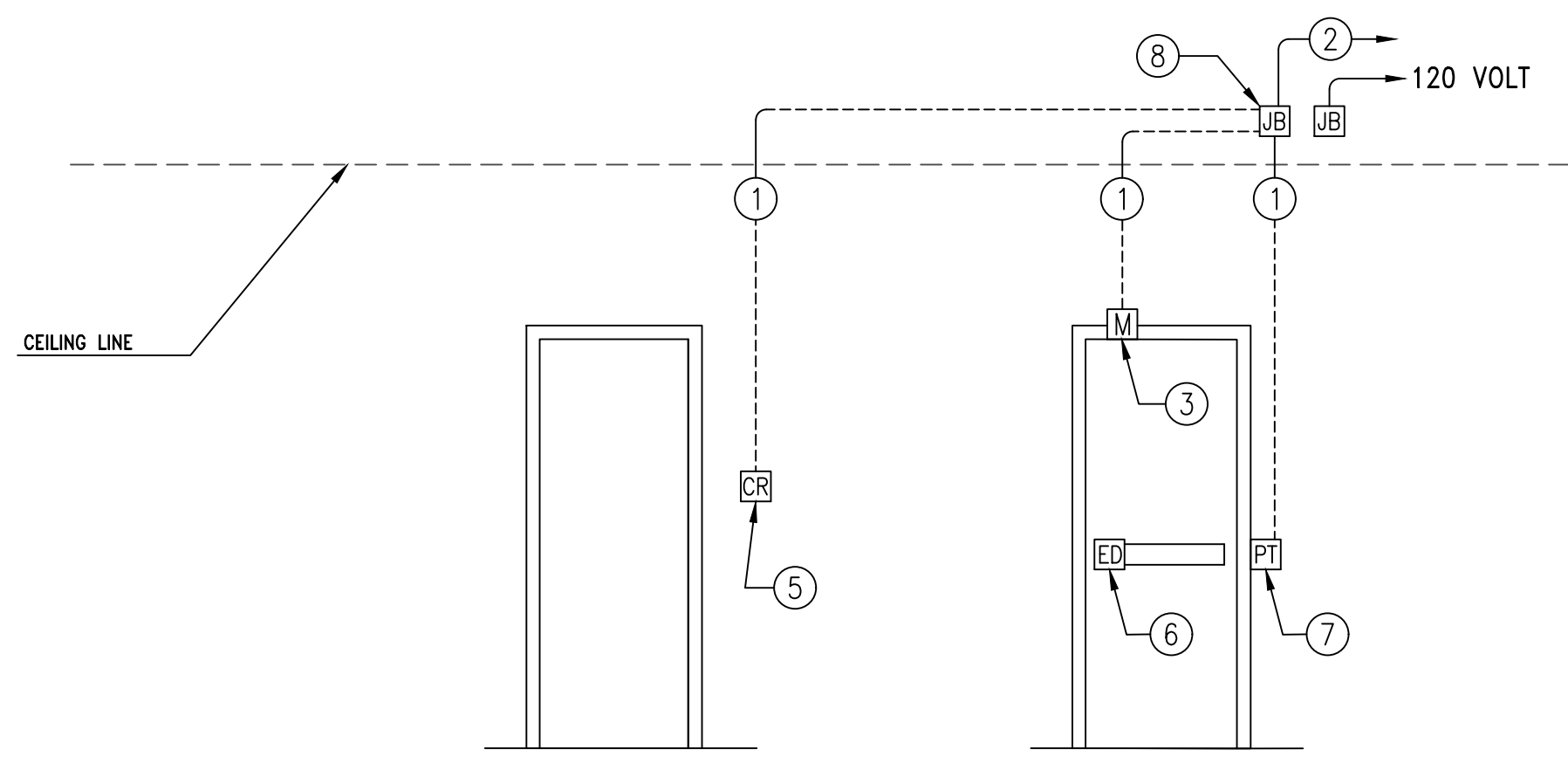
1. ALL CONDUIT SHALL STUB ABOVE ACCESSIBLE CEILING. PROVIDE PROTECTIVE PLASTIC COLLAR AT STUB AND PULLSTRING.
2. COORDINATE AND MOUNT COMMUNICATIONS OUTLETS WITHIN 6" OF CORRESPONDING POWER RECEPTACLE.
3. COORDINATE ALL MOUNTING HEIGHTS WITH MILLWORK SHOP DRAWINGS TO INSURE CORRECT MOUNTING HEIGHT AND LOCATION PRIOR TO ROUGH-IN.



1 FLOOR PLAN - AUXILIARY POWER
E4.1 SCALE: 1/8"=1'-0"

SHEET NOTES:

1. COORDINATE WITH OWNER FOR EXACT MOUNTING DOOR HARDWARE NEEDED FOR KEY PAD ENTRANCE.
2. SEE DOOR DETAIL (3) THIS SHEET.
3. COORDINATE FINAL LOCATION WITH RACK WITH ALL EQUIPMENT IN ROOM BEFORE ROUGH IN.



UNSECURE SIDE SECURE SIDE

E TYPICAL DOOR TYPE "E"
E8.3 NO SCALE

DETAIL NOTE:

ACTUAL ELECTRIFIED DOOR HARDWARE AND DOOR CONFIGURATION MAY VARY FROM DIAGRAM SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ACTUAL ELECTRIFIED DOOR HARDWARE AND DOOR CONFIGURATION.

DOOR/SECURITY/ACCESS HARDWARE KEY:

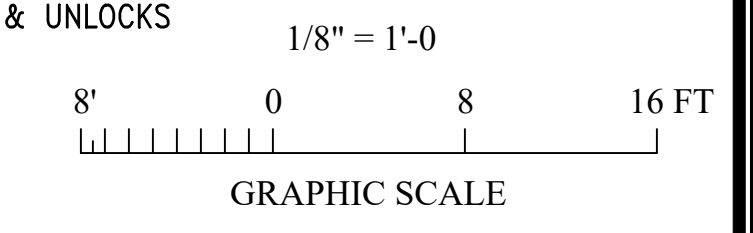
1. 3/4" CONDUIT TO JUNCTION BOX.
2. 3/4" CONDUIT STUBBED TO ABOVE NEAREST ACCESSIBLE CEILING.
3. RECESSED DOOR POSITION SWITCH. GE SECURITY MODEL 1078CT. FRAME TO BE PREPPED BY DOOR SUPPLIER.
4. ELECTRIC MORTISE LOCKSET WITH INTEGRAL REQUEST - TO - EXIT SWITCH.
5. CARD READER. SEE SPECIFICATIONS FOR MODEL NUMBER. MOUNTED 48" A.F.F. ON SINGLE GANG BOX.
6. EXIT DEVICE WITH LATCH RETRACTION AND INTEGRAL REQUEST - TO - EXIT SWITCH.
7. POWER TRANSFER HINGE. (BY OTHERS)
8. 4 SQUARE JUNCTION BOX MOUNTED ABOVE NEAREST ACCESSIBLE CEILING.
9. INTERCOM DOOR BELL/SPEAKER. VALCOM # VIP-172L-VRSS.
10. OVERHEAD DOOR POSITION SWITCH. GE SECURITY 2200 SERIES OVERHEAD DOOR POSITION SWITCH.

NOTE:
1. THE DOOR DETAILS SHOWN ON THIS SHEET REPRESENTS ALL DOOR TYPES FOR ALL FOUR VOLUMES IN ONE SET OF DETAILS. ALL DOOR DETAILS MAY OR MAYNOT BE USED IN THIS VOLUME.
2. SEE SHEET E8.4 FOR SECURITY RISER DIAGRAMS.

DOOR HARDWARE NOTES:

1. RACEWAYS, BACK BOXES AND JUNCTION BOXES SHALL BE CONCEALED IN WALLS OR CEILING.
2. ELECTRIC LOCKING HARDWARE, MAGNETIC LOCKS, AND POWER TRANSFER HINGE PROVIDED UNDER DIVISION 8 SPECIFICATIONS. PROVIDE CABLING AND CONNECT TO ACCESS CONTROL SYSTEM.
3. COORDINATE EXACT HARDWARE REQUIREMENTS WITH THE DIVISION 8 HARDWARE SCHEDULE.
4. DOOR DETAILS ARE DIAGRAMMATIC AND SHALL NOT BE USED TO DETERMINE EQUIPMENT LOCATIONS. FLOOR PLANS INDICATE LOCATIONS OF EQUIPMENT AND COMPONENTS. COORDINATION WITH THE WORK OF OTHER TRADES SHALL BE MADE PRIOR TO INITIAL INSTALLATION.
5. PROVIDE PULL STRING IN EMPTY RACEWAY.
6. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL CONDUITS, JUNCTION BOXES, PULL WIRES, ETC. ALL DEVICES AND HARDWARE ARE FURNISHED BY CONTRACTORS OTHER THAT ELECTRICAL.
7. ALL ELECTRONIC AND SECURITY DEVICES ARE TO BE PROVIDED AND INSTALLED BY THE DOOR HARDWARE CONTRACTOR AND THE SECURITY CONTRACTOR. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL CONDUITS AND JUNCTION BOXES REQUIRED TO FACILITATE THE INSTALLATION OF THE SECURITY AND ALARM PACKAGE. THE ELECTRICAL CONTRACTOR IS TO COORDINATE WITH THESE CONTRACTORS TO INSURE THAT ALL SECURITY DEVICES ARE LOCATED AND CORRECTLY PRIOR TO INSTALLATION OF RACEWAYS, JUNCTION BOXES AND POWER.

* CENTRAL SECURITY SYSTEM LOCK & UNLOCKS



GA Gunn & Associates, P.C.
Consulting Engineers
3102 Highway 14
Millbrook, AL 36054
Tel: 334.285.1273

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	DCM #2025417		
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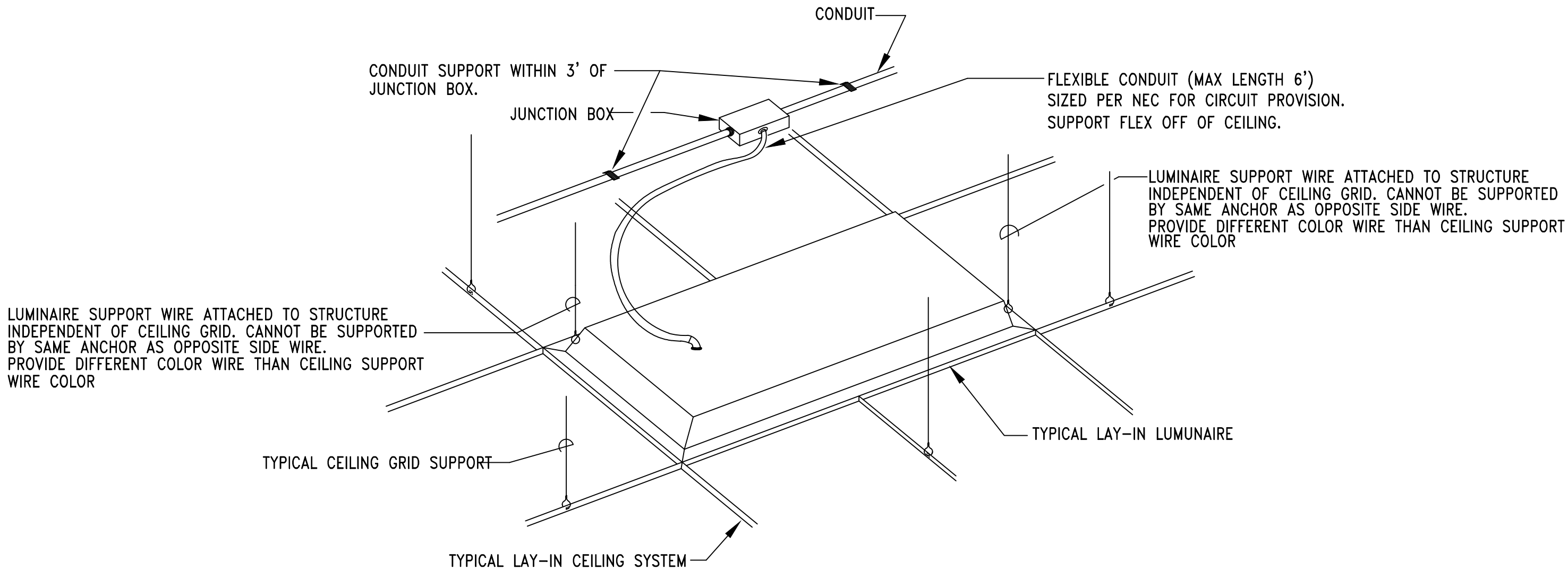
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LIGHTING FIXTURE SCHEDULE						
TYPE:	MANUFACTURER NUMBER AND EQUALS:	VOLTAGE:	MOUNTING:	LAMP TYPE:	LAMP QUANTITY:	DESCRIPTION:
LG22	HUBBELL NO. SRP22-40VHE-EDU OR EQUALS BY WILLIAMS, LUMAX, OR COOPER	MVOLT	RECESSED	LED	4800 LUMEN	2'X2' 4800-LUMEN FLAT PANEL FIXTURE. 0-10V DIMMING CAPABLE.
LG48	HUBBELL NO. SRP24-40ML-EDU OR EQUALS BY WILLIAMS, LUMAX, OR COOPER	MVOLT	RECESSED	LED	5000 LUMEN	2'X4' 5000-LUMEN FLAT PANEL FIXTURE. 0-10V DIMMING CAPABLE.
LG60	HUBBELL NO. SRP24-40HL-EDU OR EQUALS BY WILLIAMS, LUMAX, OR COOPER	MVOLT	RECESSED	LED	6000 LUMEN	2'X4' 6000-LUMEN FLAT PANEL FIXTURE. 0-10V DIMMING CAPABLE.
LG72	HUBBELL NO. SRP24-40VL-EDU OR EQUALS BY WILLIAMS, LUMAX, OR COOPER	MVOLT	RECESSED	LED	7200 LUMEN	2'X4' 7200-LUMEN FLAT PANEL FIXTURE. 0-10V DIMMING CAPABLE.
LS96	COLUMBIA NO. MPS8-40-JL-QW-EDU OR EQUALS BY WILLIAMS, OR COOPER	MVOLT	SURFACE OR CHAIN HUNG	LED	16924 LUMEN	MULTIPURPOSE LINEAR, NARROW STRIP LIGHT 8 FEET WITH FROSTED LINEAR PRISMED LENS. 0-10 DIMMING.
LV96	COLUMBIA NO. LXM8-40VL-RFA-EDU OR EQUALS BY WILLIAMS, OR COOPER	MVOLT	SURFACE OR CHAIN HUNG	LED	6397 LUMEN	LED ENCLOSED & GASKETED, EXTEME ENVIRONMENT 8 FEET LED WITH FROSTED RIBBED ACRYLIC LENS. 0-10 DIMMING.
LW60	HUBBELL NO. ESL-4-40 HL-FA W U-ELL14H2 OR EQUALS BY LUMAX, WILLIAMS OR COOPER	MVOLT	WALL	LED	6000 LUMEN	4 FOOT WALL MOUNTED LED WALL FIXTURE.
WP1	HUBBELL NO. OSP-30L-4000K-053-TYPE 3-U-COLOR BY ARCH - SCP-20F OR PRIOR APPROVED EQUALS BY WILLIAMS, OR COOPER	MVOLT	WALL	LED	5700 LUMEN	DARK BRONZE EXTERIOR LED LIGHT. UL LISTED FOR WET LOCATIONS.
EM WALL PACK	COMPASS NO. CU2HLHOSD - WIREGUARDS IN GYM OR PRIOR APPROVED EQUAL BY EMERG-H-LITE, MCPHILBEN, OR PRESCOLITE	MVOLT	WALL	LED	1000 LUMEN	1000 LUMEN LED EMERGENCY WALL PACK
EXIT SIGN COMBO "XB"	DUAL-LITE NO. EVCHLU"W12-06L OR PRIOR APPROVED EQUAL BY EMERG-H-LITE, MCPHILBEN, OR PRESCOLITE	MVOLT	UNIVERSAL	LED	1000 LUMEN	THERMOPLASTIC 1000-LUMEN COMBO LED EXIT SIGN EGRESS LIGHT. PROVIDE WITH NUMBER OF FACES AND DIRECTIONAL ARROWS AS SHOWN ON DRAWINGS. COORDINATE COLOR OF SIGNAGE WITH LOCAL REQUIREMENTS. PROVIDE WITH EMERGENCY BATTERY. PROVIDE WIREGUARDS IN GYM.
NOTES: 1. ARCHITECT RESERVES THE RIGHT TO SELECT ALL COLORS OR MAKE CUSTOM COLOR DURING SHOP DRAWING REVIEW. BID ACCORDINGLY. 2. COORDINATE MOUNTING OF ALL LUMINAIRES WITH ARCHITECTURAL ELEVATIONS PRIOR TO INSTALLATION 3. PROVIDE EMERGENCY BATTERY BALLAST FOR ALL EMERGENCY TYPE FIXTURES CAPABLE OF 90-MINUTES. ALL EMERGENCY LIGHTS IN SAFE AREA SHALL BE CONNECTED TO THE BATTERY INVERTER FOR 180-MINUTES OF RUN TIME. 4. FOR WARRANTY AND LONG TERM SUPPORT FOR OWNER, ALL LIGHTING FIXTURES SHALL BE PURCHASED THROUGH MANUFACTURER REPRESENTATIVES LOCATED IN THE STATE OF ALABAMA. SUBMITTALS RECEIVED THAT DO NOT COMPLY WITH THIS REQUIREMENT WILL BE REJECTED WITHOUT REVIEW. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DELAYS CAUSED BY NON COMPLIANCE WITH THIS REQUIREMENT. 5. ALL INTERIOR LIGHTS SHALL HAVE 4000K TEMPERTURE LAMPS, UNLESS NOTED OTHERWISE. 6. ALL EXTERIOR LIGHTS SHALL HAVE 4000K TEMPERTURE LAMPS. 7. LIGHTS SPECIFIED WILL BE USED AT BOTH 120V AND 277V CIRCUITS. PROVIDE UNIVERSAL TYPE VOLTAGE DRIVERS FOR ALL LIGHT FIXTURES. IF A SPECIFIC VOLTAGE IS REQUIRED, LIGHTING MANUFACTURER AND CONTRACTOR SHALL WORK TOGETHER TO PROVIDE THE REQUIRED VOLTAGES FOR EACH OF THE DIFFERENT FACILITIES. ENGINEER WILL NOT BE RESPONSIBLE FOR THIS COORDINATION DURING SUBMITTALS. WE WILL ASSUME THE VOLTAGE SUBMITTED IS CORRECT.						

NOTES:

- ALL RECESSED LUMINAIRES SHALL BE WIRED FROM A JUNCTION BOX AS SHOWN, INCLUDING LUMINAIRES IN A CONTINUOUS ROW. NO WIRING THRU FIXTURES. NO MORE THAN TWO LUMINAIRES SHALL BE CIRCUITED TO ONE JUNCTION BOX.
- LUMINAIRE SUPPORT WIRES TO BE A MINUMUM OF #14 GAGE PRE-STRAINED GALVINIZED WIRE ATTACHED AT OPPOSITE CORNERS. LUMINAIRE SHALL BE SUPPORTED TO THE STRUCTURE INDEPENDENT OF THE CEILING GRID.
- CONDUCTORS IN FLEXIBLE CONDUIT FROM JUNCTION BOX TO LUMINAIRE SHALL CONTAIN AN INSULATED GREEN GROUND WIRE, WITH NEUTRAL AND PHASE CONDUCTORS REQUIRED FOR THE CIRCUITING AND SWITCHING REQUIREMENTS INDICATED.
- JUNCTION BOXES SHALL BE ACCESSIBLE AND LOCATED WITHIN 1'-6" ABOVE LAY-IN CEILING INSTALLATION. PROVIDE PENDANT ALL-THREAD RODS AND/OR STRUT ASSEMBLIES TO MEET THIS REQUIREMENT WHERE DROP CEILING IS MORE THAN 1'-6" FROM STRUCTURE.
- CONTRACTOR SHALL INSTALL ALL T-BAR SAFETY CLIPS TO GRID. IF FIXTURE DOES NOT COME WITH GRID SAFETY CLIPS, THEN THE CONTRACTOR SHALL PROVIDE SUPPORT WIRES ON ALL FOUR SIDES.



1
E5.1

DETAIL - TYPICAL LAY-IN LUMINAIRE INSTALLATION

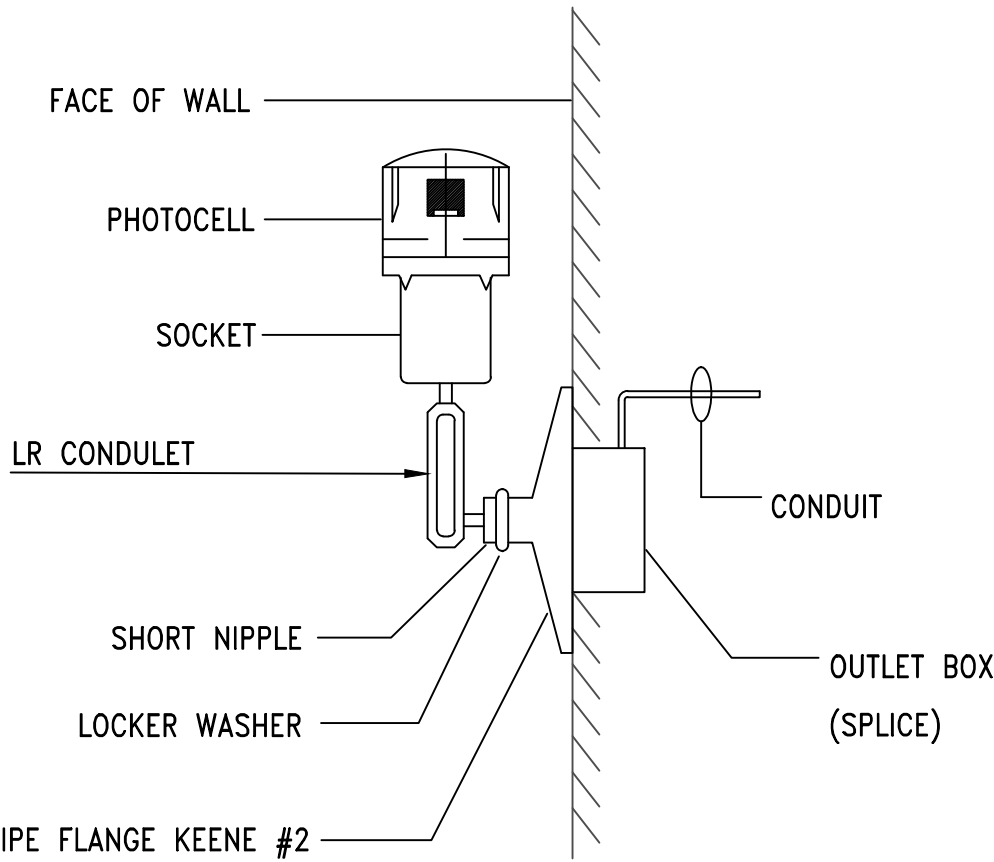
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LUMINAIRE NOTES:

- ALL LUMINAIRES AND INSTALLATION SHALL BE IN ACCORDANCE WITH NEC, NFPA AND LOCAL CODES. ALL LUMINAIRES SHALL BE UL LISTED AND INSTALLED IN ACCORDANCE WITH THE UL LISTING.
- LUMINAIRES SHALL BE FURNISHED COMPLETE WITH THE PROPER LAMP BASE OR PIN RECEPTORS, WIRING COMPONENTS, LAMPS, SUPPORTING FRAMES AND DEVICES, ETC., FOR A COMPLETE INSTALLATION.
- ALL LUMINAIRE DEVICES, COMPONENTS, FITTINGS, SUPPORTS, ETC., SHALL BE COORDINATED TO PROVIDE A COMPLETE UL LISTED INSTALLATION
- ALL LUMINAIRES BALLAST, DRIVERS, LAMPS, ETC SHALL BE COMPATIBLE WITH THE LIGHTING CONTROL SYSTEM OR DIMMING CONTROL SYSTEM PROVIDED.
- SECURE EACH LAY-IN LUMINAIRE AT TWO LOCATIONS TO THE CEILING GRID. PROVIDE BOLTS, SCREWS, RIVETS OR APPROVED CLIPS FOR USE WITH THE TYPE CEILING AND LUMINAIRE INSTALLED.
- ALL LUMINAIRES IN MECHANICAL AND ELECTRICAL ROOMS SHALL BE INSTALLED TO CLEAR ELECTRICAL EQUIPMENT, DUCT, PIPING, ETC., SUSPEND BELOW OBSTRUCTION WHEN CONFLICTS OCCUR.
- ALL LED LUMINARIES SHALL BE PROVIDED WITH 4000K COLOR TEMPERATURE LAMPS, UNLESS NOTED OTHERWISE.
- ARCHITECT RESERVES THE RIGHT TO SELECT ALL COLORS FOR LUMINAIRES, POLES, MOUNTING ACCESSORIES, ETC. DURING SHOP DRAWING REVIEW.
- COORDINATE LUMINAIRE MOUNTING WITH ARCHITECTURAL ELEVATIONS PRIOR TO INSTALLATION.
- ALL EXIT SIGNS AND LUMINAIRES DESIGNATED AS EMERGENCY SHALL BE PROVIDED WITH A MINIMUM 1100 LUMEN EMERGENCY BATTERY BALLAST CAPABLE OF 90 MINUTES OF ILLUMINATION. X DESIGNATION MEANS DIFFERENT TYPE BATTERY SEE SCHEDULE.
- CONTRACTOR SHALL PROVIDE ALL SLOPE ADAPTERS, FLANGE KITS, TRIMS, AND ALL OTHER MOUNTING ACCESSORIES AS NEEDED TO MOUNT EACH LUMINAIRE IN CEILINGS AS SHOWN. COORDINATE WITH ARCHITECTURAL REFLECTED CEILING PLANS.
- PROVIDE ALL EXIT SIGNS WITH DIRECTIONAL ARROWS AS SHOWN ON DRAWINGS.

NOTES

- PAINT CONDUIT NIPPLE, SOCKET AND PIPE FLANGE WITH TWO COATS OF ENAMEL.
- COMPLETE ASSEMBLY TO BE UL LISTED FOR WET LOCATIONS.
- PHOTOCELL TO BE MOUNTED FACING NORTH FREE FROM ALL SHADOWS WHICH MIGHT CAUSE PHOTOCELL TO TURN LIGHTS ON EARLY. CONTRACTOR SHALL COORDINATE PROPER MOUNTING LOCATION PRIOR TO INSTALLATION.



2
E5.1

DETAIL - INSTALLATION OF PHOTO-CELL

NO SCALE

GA

Gunn & Associates, P.C.

Consulting Engineers

3102 Highway 14

Millbrook, AL 36054

Tel: 334.285.1273

1200 Providence Park, Suite 200

Birmingham, AL 35242

GA#25-195

NEW FLEET MANAGEMENT BUILDING

FOR AIDT

MONTGOMERY, ALABAMA

PH&J architects inc.

Alabama

Montgomery,

DRAWN	J.C.T.	CHECK	K.R.G.			
DATE	8/20/2026 R.T.A.					
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SHEET TITLE LIGHTING SCHEDULE, DETAILS & NOTES						
JOB NO. PH&J #2502-CUA DCM #2025417						
SEQUENCE NO.	36	OF	39			

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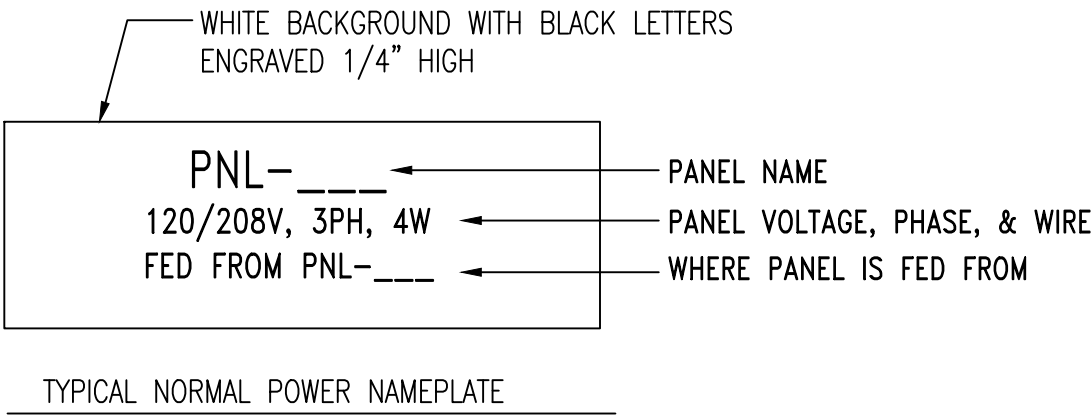
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RE-BID AIDT FLEET MANAGEMENT 2502-CUA

PANEL - SE													
TYPE: 200 AMP MAIN CIRCUIT BREAKER			AIC: 42,000 AMPERES				MOUNTED: SURFACE				VOLTAGE: 277/480 VOLTS, 3 PHASE, 4 WIRE		
CIRCUIT DIRECTORY	(VA) PER PHASE			AMP	POLE	CIRCUIT NUMBER	AMP	POLE	(VA) PER PHASE			CIRCUIT DIRECTORY	
	PHASE A	PHASE B	PHASE C						PHASE A	PHASE B	PHASE C		
EXTERIOR LIGHTS	410			20	1	1	2	125		30,239			TX-1
LIGHTING & SHOP LTS		2,612		20	1	3	4				23,436		
SHOP LIGHTS			1,131	20	1	5	6		3			22,859	
SPARE				20	1	7	8						BUSSED SPACE
SPARE				20	1	9	10						BUSSED SPACE
SPARE				20	1	11	12						BUSSED SPACE
SPARE				20	1	13	14						BUSSED SPACE
SPARE				20	1	15	16						BUSSED SPACE
SPARE				20	1	17	18						BUSSED SPACE
BUSSED SPACE						19	20						BUSSED SPACE
BUSSED SPACE						21	22						BUSSED SPACE
BUSSED SPACE						23	24						BUSSED SPACE
BUSSED SPACE						25	26						BUSSED SPACE
BUSSED SPACE						27	28						BUSSED SPACE
BUSSED SPACE						29	30						BUSSED SPACE
SUB TOTAL (VA)	410	2,612	1,131							30,239	23,436	22,859	SUB TOTAL (VA)
TOTAL LOAD PHASE A:				30,649 (VA)			NOTES: 1. PANELBOARD TO BE BOLT-ON TYPE WITH DOOR-IN-DOOR CONSTRUCTION. 2. PROVIDE WITH INTEGRAL TVSS WITH 160,000 AMPS PER MODE PROTECTION. 3. PROVIDE PANEL WITH NAME PLATE INDICATING AIC RATING. SEE DETAIL. 4. PROVIDE ARC FAULT LABEL PER DETAILS.						
TOTAL LOAD PHASE B:				26,048 (VA)									
TOTAL LOAD PHASE C:				23,990 (VA)									
TOTAL LOAD:				80,687 (VA) = 97 AMPS									

PANELBOARD NOTES:

- PANELBOARDS SHALL BE INSTALLED AND ALL CLEARANCES MAINTAINED IN ACCORDANCE WITH THE NEC.
- ALL PANELBOARDS SHALL BE UL LISTED AND INSTALLED IN ACCORDANCE WITH THAT LISTING.
- PANELBOARDS SHALL BE FURNISHED COMPLETE WITH THE PROPERLY SIZED ENCLOSURE, INTERNAL HARDWARE, COMPONENTS, SUPPORTING STRUCTURES, ETC., FOR A COMPLETE INSTALLATION.
- FURNISH EACH PANELBOARD WITH A GROUND BAR BONDED TO THE PANEL ENCLOSURE.
- THE TERMINATION POINT OF THE FEEDER SERVING EACH ASSEMBLY SHALL BE AT THE NEAREST POINT OF FEEDER ENTRY INTO THE PANEL, SO AS TO MINIMIZE CONDUCTOR FILL IN THE ENCLOSURE. COORDINATE TOP/BOTTOM FEED PANELBOARD PROVISIONS WITH EACH FEEDER INSTALLATION.
- PROVIDE THE PROPER SIZE AND QUANTITY OF CONDUCTOR TERMINATION POINTS OR LUGS (MULTIPLE LUGS WHEN PARALLEL FEEDERS ARE USED) ON BUSES AND CIRCUIT BREAKERS FOR THE RESPECTIVE SIZE AND NUMBER OF CONDUCTORS INDICATED.
- ALL FLUSH-MOUNTED PANELBOARDS SHALL BE PROVIDED WITH AT LEAST SIX (6) 3/4" SPARE CONDUITS STUBBED TO ABOVE THE NEAREST ACCESSIBLE CEILING.
- PANELBOARDS SHALL BE FULLY RATED. SERIES RATED PANELBOARDS WILL NOT BE ACCEPTED.
- ALL PANELBOARDS SHALL BE CLEARLY MARKED TO COMPLY WITH NEC ARTICLE 110.16 WITH REGARD TO POTENTIAL HAZARDS OF ARC FLASH.
- ALL PANELBOARDS SHALL BE "DOOR-IN-DOOR" OR "HINGED-FRONT-TRIM" CONSTRUCTION.
- COMPLY WITH NEC ARTICLE 408.4. PROVIDE A TYPED CIRCUIT DIRECTORY THAT INDICATES WHAT EACH CIRCUIT IS SERVING. FOR LIGHTING AND RECEPTACLE CIRCUITS, INCLUDE THE ROOM NUMBER IN THE CIRCUIT DESCRIPTION ON THE DIRECTORY.
- EACH PANELBOARD SHALL HAVE A NAMEPLATE AS SHOWN IN DETAIL 1 ON THIS SHEET. ENGINEER WILL NOT PROVIDE FINAL ACCEPTANCE UNTIL THESE NAMEPLATES ARE PROVIDED.



1
E5.2
NO SCALE

DETAIL - TYPICAL PANELBOARD NAMEPLATE



- NOTES:
- PROVIDE SELF-ADHESIVE VINYL LABEL TO AFFIX TO ELECTRICAL EQUIPMENT TO WARN OF ARC FLASH HAZARDS.
 - THE LABEL FORMAT AND TEXT SHALL BE IN ACCORDANCE WITH THE FIGURE.
 - THE LABEL SHALL BE LOCATED ON THE EQUIPMENT TO BE CLEARLY VISIBLE TO QUALIFIED PERSONS BEFORE EXAMINATION, ADJUSTMENT, SERVICING, OR MAINTENANCE OF THE EQUIPMENT.
 - THE SIZE OF THE LABEL SHALL BE:
EQUIPMENT TYPE HEIGHT WIDTH
INDOOR 4" 6"
OUTDOOR 4" 6"

2
E5.2
NO SCALE

ARC FLASH WARNING LABELS

POWER EQUIPMENT MANUFACTURERS BIDDING THIS PROJECT SHALL INCLUDE IN THEIR BASE BID PRICE AND ALL EXPEDITED CHARGES AS REQUIRED TO SHIP SWITCHBOARDS, PANELBOARDS, TRANSFORMERS, AND DISCONNECTS TO THE JOB SITE S REQUIRED TO MEET PROJECT SCHEDULE. CONTRACTOR AND SUPPLIER SHALL SET THIS TIME PRIOR TO BID ACCORDING PUBLISHED SCHEDULE IN BID DOCUMENTS.

GA

Gunn & Associates, P.C.
Consulting Engineers

3102 Highway 14
Millbrook, AL 36054
Tel: 334.285.1273

1200 Providence Park, Suite 200
Birmingham, AL 35242

GA#25-195

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SHEET TITLE PANELBOARD SCHEDULE, DETAILS & NOTES						
JOB NO. PH&J #2502-CUA DCM #2025417						
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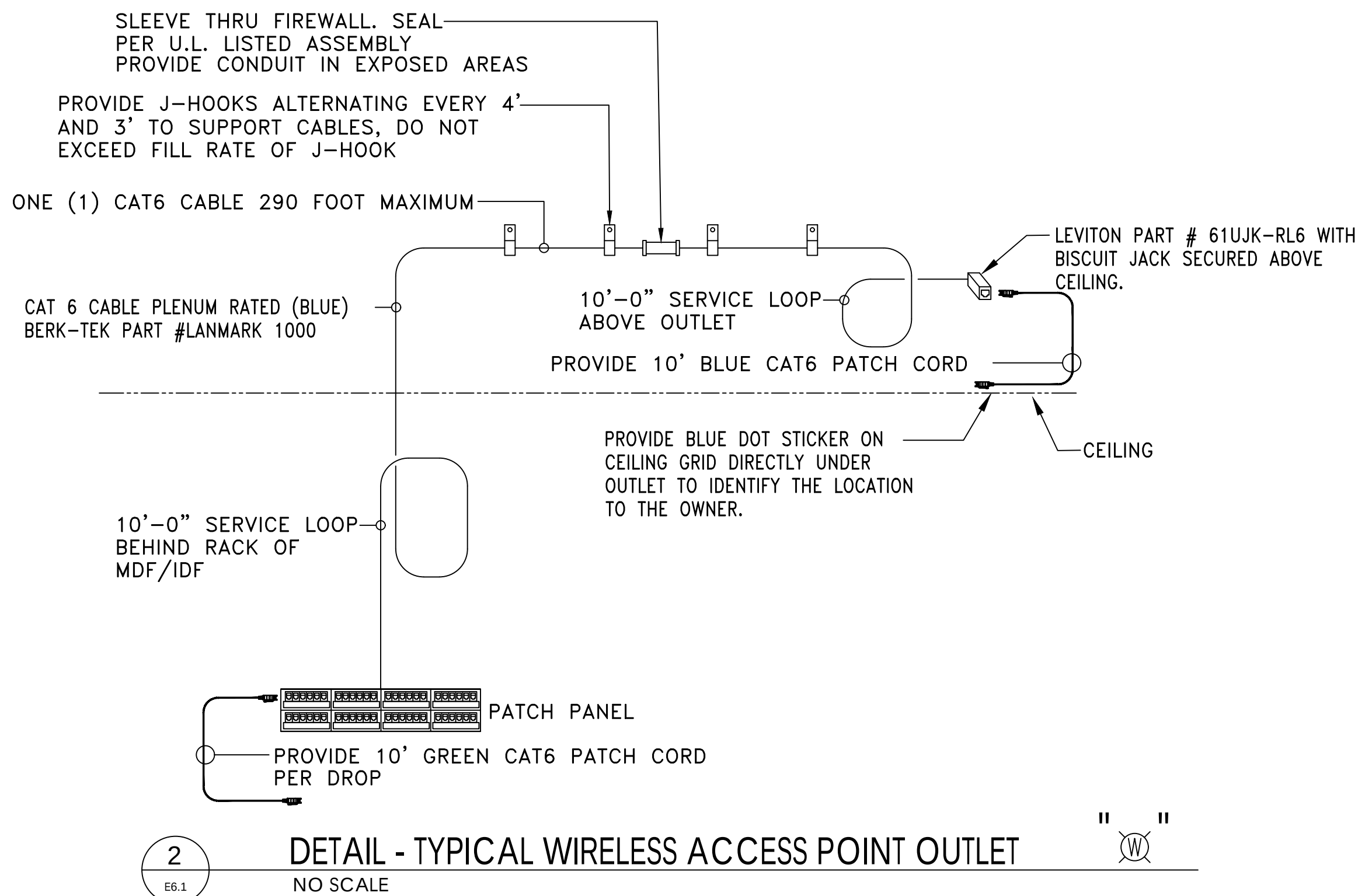
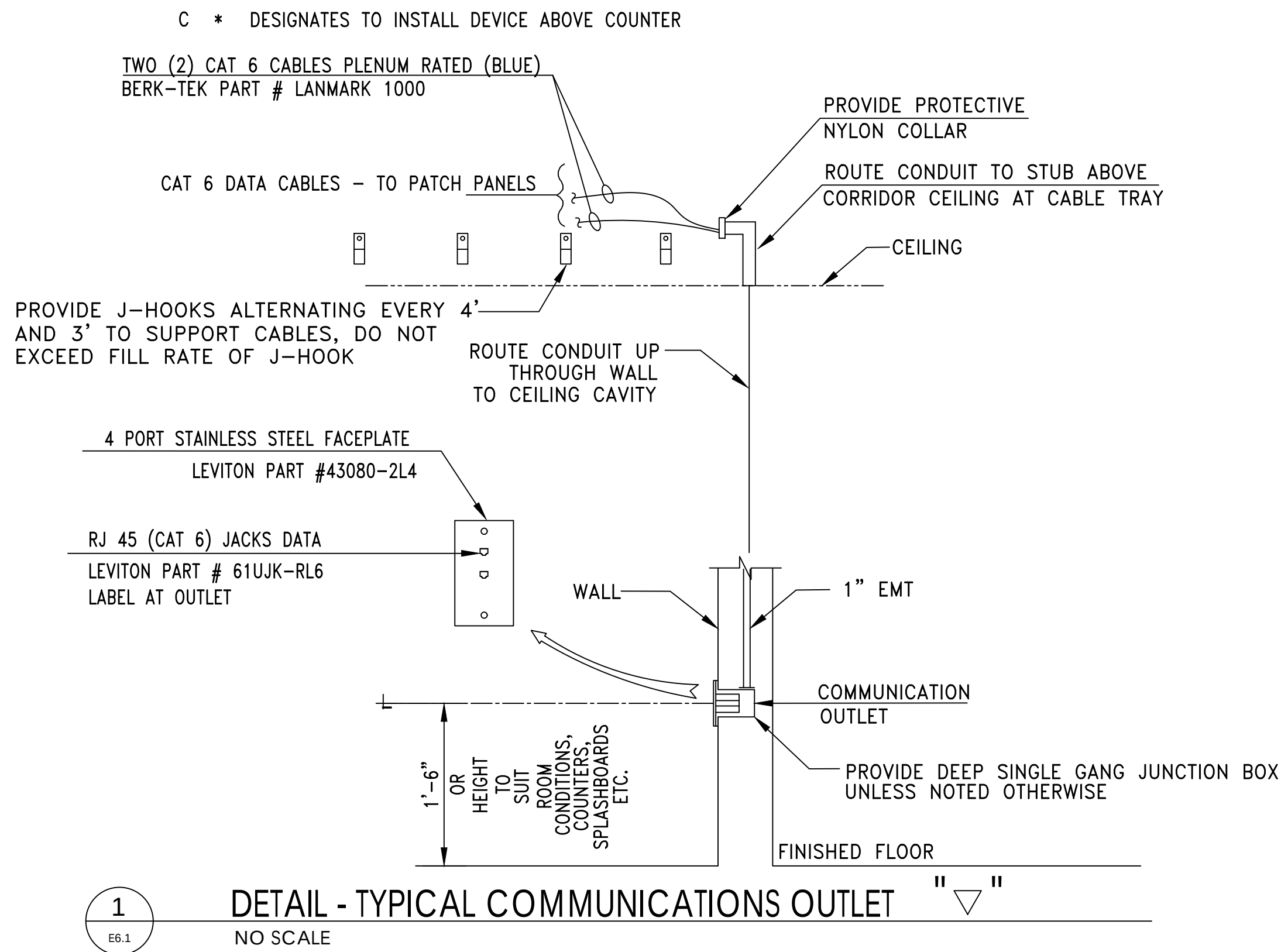
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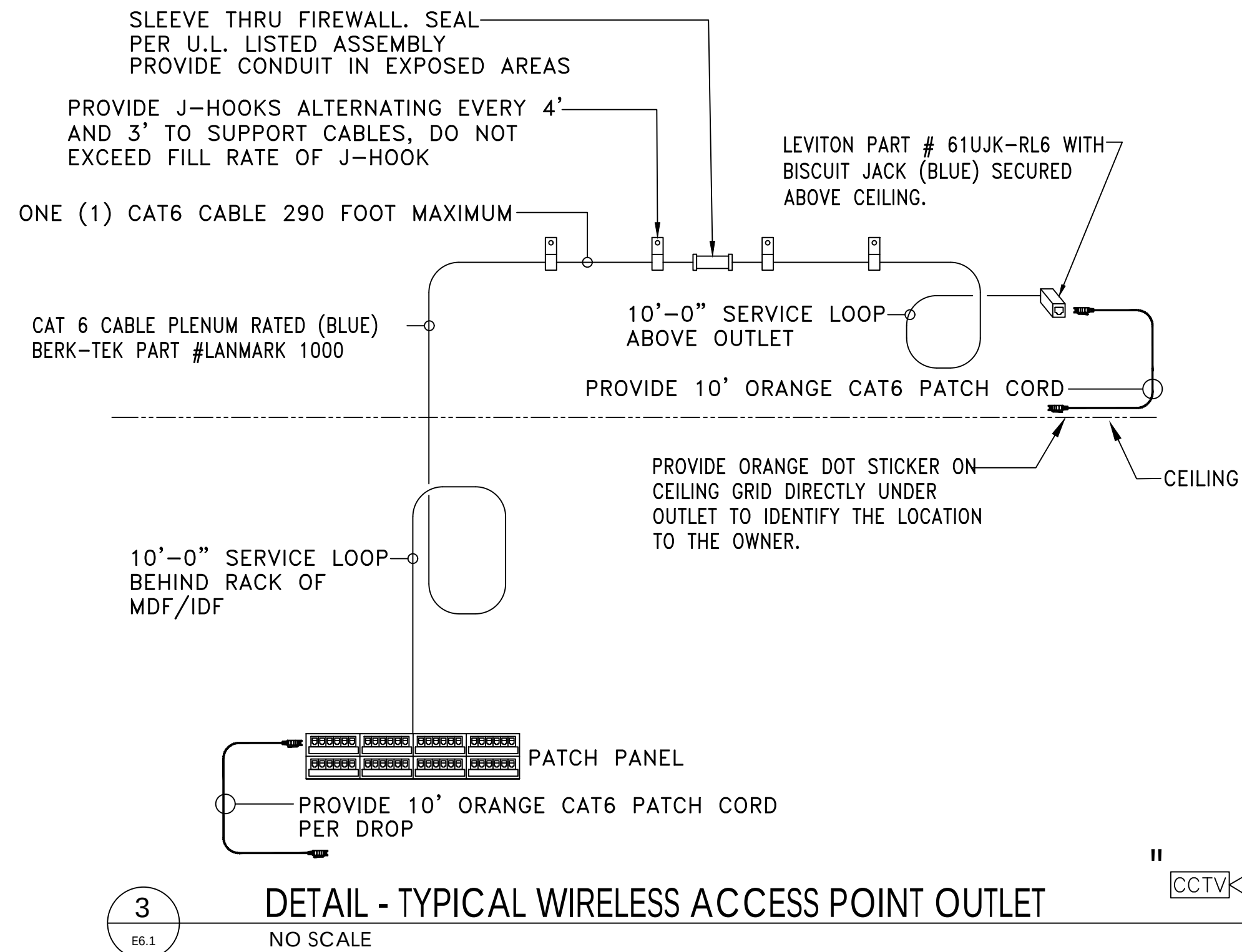
NEW FLEET MANAGEMENT BUILDING
FOR
AIDT
MONTGOMERY, ALABAMA

architects inc.
Montgomery,
Alabama

RE-BID AIDT FLEET MANAGEMENT 2502-CUA



* NOTE: EXTERIOR CAMERAS PROVIDE SINGLE GANG JUNCTION BOX WITH 3/4" CONDUIT STUBBED TO ABOVE INTERIOR CEILING. COORDINATE EXTERIOR CAMERA KEYSTONE LOCATION WITH OWNER PRIOR TO INSTALLATION

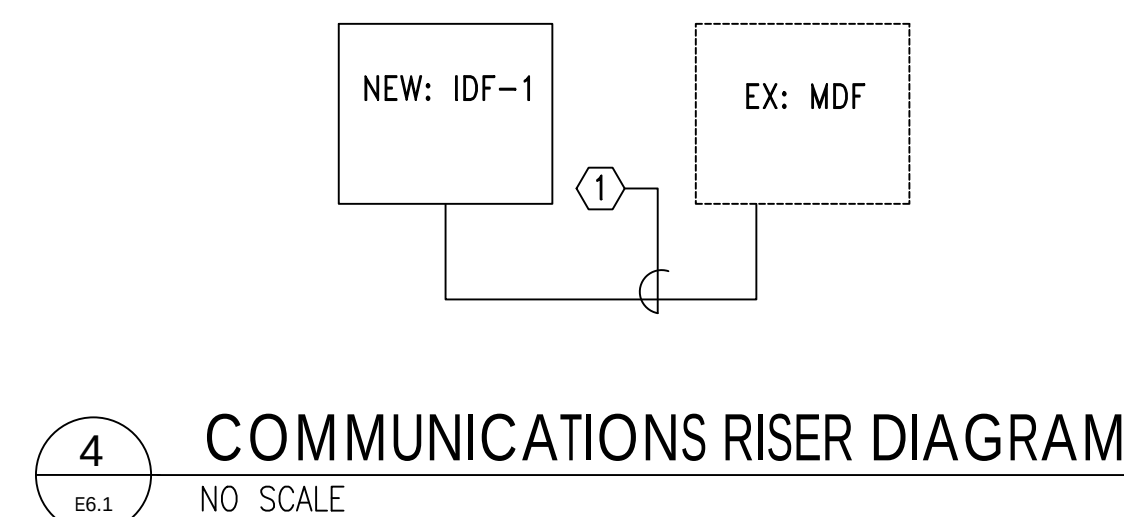


RISER DIAGRAM KEYED NOTES:

- ① CONTRACTOR SHALL PROVIDE A 6 STRAND OM3 MM 50-MICRON FIBER OPTIC CABLE INTERCONNECTING THE EXISTING MDF TO THE NEW IDF-1. PROVIDE FIBER OPTIC PATCH EQUIPMENT IN EXISTING MDF IN EXISTING BUILDING TO INTERCONNECT THE TWO RACKS BY FIBER. PROVIDE LC TYPE CONNECTIONS. VISIT SITE PRIOR TO BIDS AND ADJUST ROUTING AND CABLING LENGTHS ACCORDINGLY. SEE ELECTRICAL SITE PLAN FOR CONDUIT REQUIREMENTS. PROVIDE J-HOOKS ABOVE CEILINGS TO SUPPORT FIBER IN CONCEALED AREAS. PROVIDE CONDUIT IN EXPOSED AREAS.

COMMUNICATION NOTES:

1. PROVIDE 5/8" STRUT ASSEMBLY AT TOP AND BOTTOM OF TBB TO SUPPORT ALL CONDUITS TERMINATING AT BACKBOARD.
2. TBB SHALL BE 3/4" PLYWOOD EXTERIOR RATED AND CUT TO COVER ALL WALLS OR AS INDICATED. PAINT WITH TWO COATS OF FIRE RETARDENT PAINT. MOUNT 2' AFF.
3. PROVIDE A PLASTIC BUSHING OR PROTECTIVE COLLAR AT EACH CONDUIT TERMINATION, INCLUDING TERMINATIONS ABOVE THE CEILING, AT CABLE TRAY, OR AT TBB.
4. ALL CONDUIT TERMINATIONS SHOULD BE DONE EVENLY AT THE TOP AND BOTTOM OF TBB. TERMINATIONS SHALL BE MADE WITHIN THE FIRST FEW INCHES OF THE TBB.
5. SEAL ALL CONDUITS FROM THE EXTERIOR WITH A SEALING COMPOUND, ONCE ALL CABLING HAS BEEN INSTALLED.
6. PROVIDE GROUND BUS FOR EACH TBB. SEE GROUND BUS INSTALLATION DETAIL.
7. PROVIDE ALL CONDUITS WITH MINIMUM #800 MULE TAPE (PULL TAPE).
8. STENCIL ALL JUNCTION BOX COVERS ABOVE THE CEILING WITH 2" LETTERS THAT READ "COMM".
9. ELECTRICAL CONTRACTOR WILL BE RESPONSIBLE FOR ALL RACEWAYS, CABLE TRAY, CABLING, PATCH PANELS, TERMINATIONS, BACKBOARDS, ETC. SEE RISER DIAGRAM, DETAILS, AND SPECIFICATIONS FOR FURTHER EQUIPMENT REQUIREMENTS.
10. BOND RACK FRAMES, STRUT, CONDUITS, AND LADDER RACK TO THE GROUND BUS WITH MINIMUM SIZE WIRE OF #1/0.



Gunn & Associates, P.C.
Consulting Engineers
3102 Highway 14
Millbrook, AL 36054
Tel: 334.285.1273
1200 Providence Park, Suite 200
Birmingham, AL 35242
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JOB NO.	PH&J #2502-CUA DCM #2025417		
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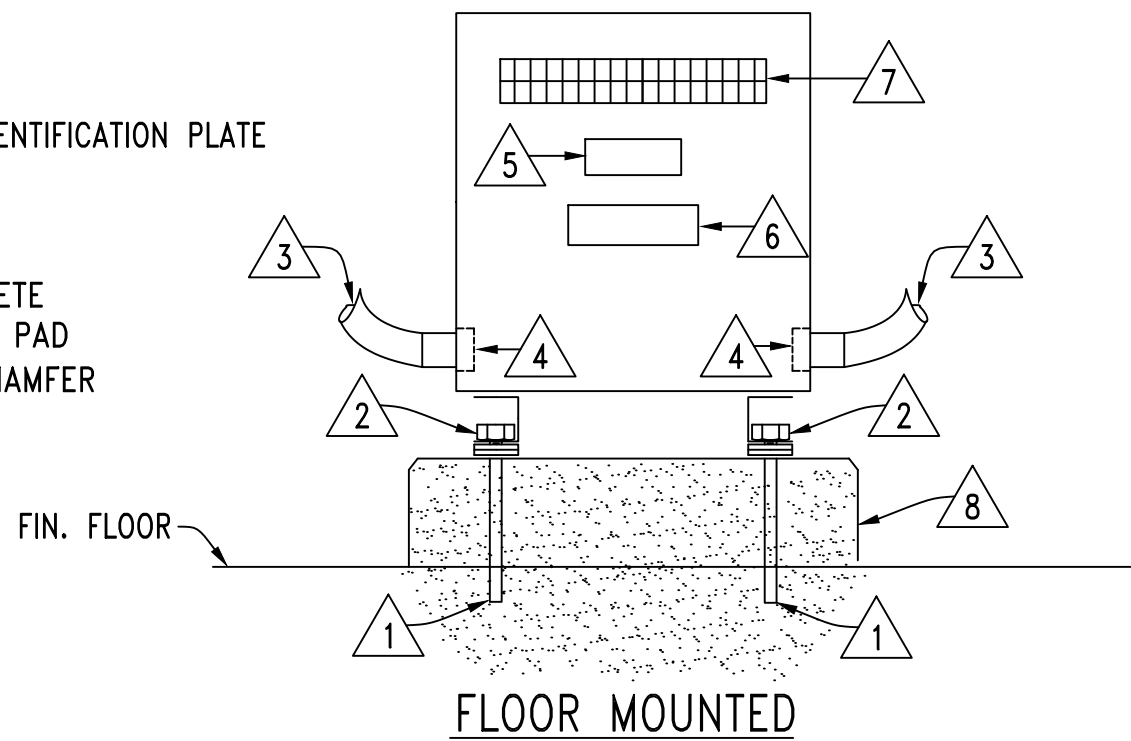
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DETAIL KEYED NOTES

- 1 FLOOR ANCHOR SYSTEM
2 VIBRATION ISOLATORS – TYP. FOR FOUR
3 FLEXIBLE CONNECTION
4 GROUND BUSSING TERMINATIONS
5 NAMEPLATE
6 TRANSFORMER IDENTIFICATION PLATE
7 VENTED COVER
8 4" HIGH CONCRETE HOUSE-KEEPING PAD WITH 45° 1" CHAMFER



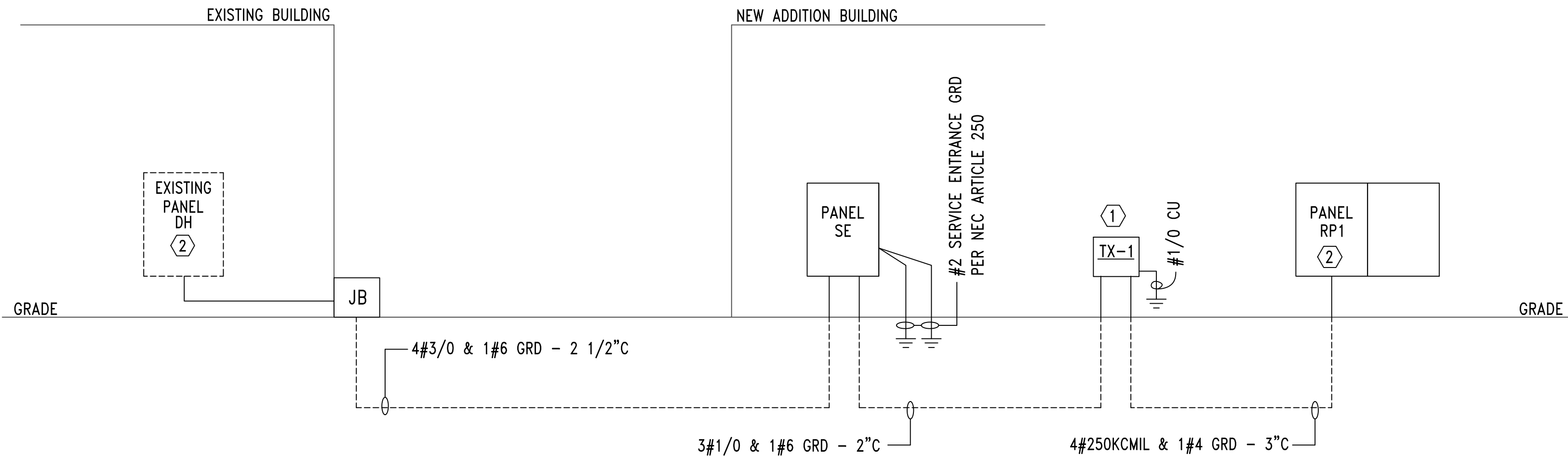
INSTALLATION NOTES:

1. SIZE ALL SUPPORTS, ANCHOR SYSTEMS, BOLTS, ETC., AS REQUIRED FOR A SECURE INSTALLATION IN ACCORDANCE WITH THE SPECIFICATIONS.

DETAIL-TYPICAL INDOOR INSTALLATION OF DRY TYPE TRANSFORMERS

POWER RISER DIAGRAM NOTES:

1. INSTALLATION AND CONNECTION OF ALL DEVICES SHALL BE IN ACCORDANCE WITH NEC, MANUFACTURER'S RECOMMENDATIONS, AND STATE AND LOCAL CODES.
2. CONTRACTOR IS RESPONSIBLE FOR THE CONNECTING, INSTALLATION, AND MARKING OF ALL POWER FEEDER CONDUCTORS FOR THE PROPER PHASE SEQUENCE AND LOADING. CONTRACTOR SHALL TEST EACH FEEDER AND EQUIPMENT FEEDERS WITH A PHASE METER PRIOR TO CONNECTING LOADS.
3. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND VERIFYING WITH ALL DIVISIONS THE ACTUAL NAMEPLATE DATA OF ALL EQUIPMENT AND DEVICES SUPPLIED ON THIS PROJECT PRIOR TO BID. CONTRACTOR SHALL THEN PROVIDE THE PROPERLY SIZED OVERCURRENT DEVICES (CIRCUIT BREAKERS, CONDUCTORS, DISCONNECTS, FUSES, ETC.) TO PROPERLY PROTECT THE EQUIPMENT PER THE NEC. ENGINEER'S DESIGN BASED ON DATA GIVEN TO HIM BY DESIGNERS OF OTHER DIVISIONS, ACTUAL NAMEPLATE DATA COULD DIFFER.
4. SEAL ALL CONDUITS FROM THE EXTERIOR WITH A SEALING COMPOUND, ONCE ALL CABLING HAS BEEN INSTALLED.
5. PROVIDE 4" CONCRETE HOUSEKEEPING PAD WITH 1" CHAMFER FOR ALL FLOOR MOUNTED TRANSFORMERS AND SWITCHBOARDS.
6. COORDINATE WITH GROUNDING DETAILS ON SHEET E7.2 FOR ALL THE DIFFERENT TYPE GROUNDING REQUIREMENTS.
7. ALL UNDERGROUND SECONDARY FEEDERS SHALL BE A MINIMUM OF 36" BELOW GRADE TO THE TOP OF THE DUCT BANK.
8. ALL UNDERGROUND PRIMARY FEEDERS SHALL BE A MINIMUM OF 48" BELOW GRADE TO THE TOP OF THE CONDUIT.
9. CONTRACTOR SHALL PROVIDE A FULL SIZE COPY OF THE AS-BUILT POWER RISER DIAGRAM FRAMED BEHIND PLEXIGLASS SCREWED TO THE WALL NEAR MAIN SERVICE PANEL.



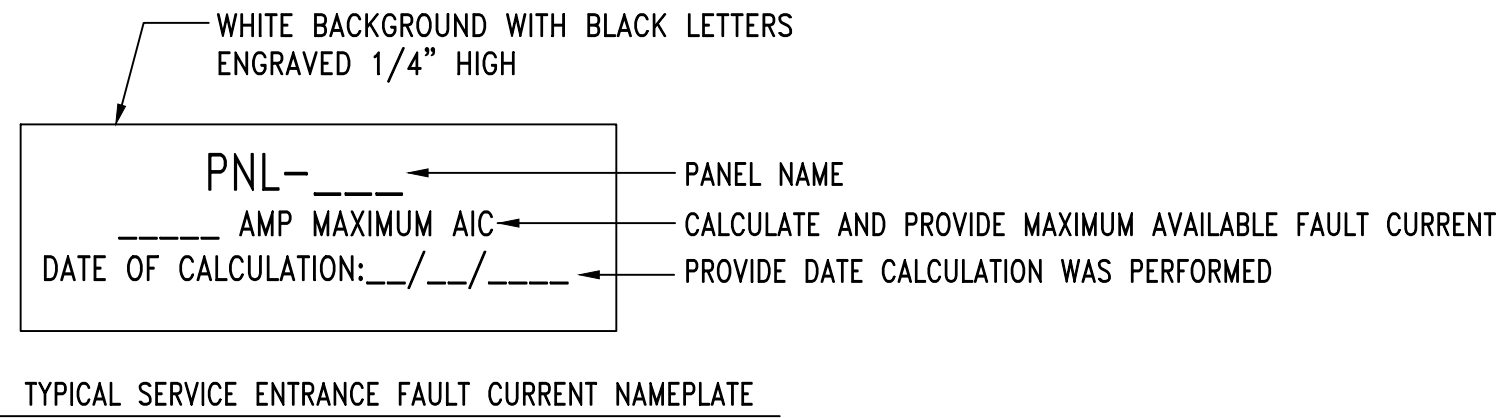
POWER RISER DIAGRAM

DRY TYPE TRANSFORMER SCHEDULE

MARK	KVA	VOLTAGE		°C RISE	K FACTOR	NOTES
		PRIMARY	SECONDARY			
TX-1	75	480 V. DELTA 3 PH., 3 W.	208Y/120 V. 3 PH., 4 W.	150	1	1

NOTES:

1. CONTRACTOR SHALL CALCULATE AND PROVIDE NAMEPLATE ON THE SERVICE ENTRANCE EQUIPMENT THAT INDICATES THE MAXIMUM AVAILABLE FAULT CURRENT AND THE DATE THE CALCUALTION WAS PERFORMED. SEE NAMEPLATE REQUIREMENTS BELOW.



DETAIL - SERVICE ENTRANCE FAULT CURRENT NAMEPLATE

SHEET NOTES:

- 1 SEE DETAIL 2/E7.1 FOR TRANSFORMER INSTALLATION REQUIREMENTS.
2 PROVIDE NEW 200A/3P (65K AIC) CIRCUIT BREAKER TO FEED NEW PANEL SE.



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Consulting Engineers
3102 Highway 14
Millbrook, AL 36054
Tel: 334.285.1273
1200 Providence Park, Suite 200
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