ELECTRICAL LEGEND

SYMBOL	DESCRIPTION	MOUNTING
XX F	FIRE ALARM STROBE XX = CANDELA RATING, MINIMUM 75 CANDELA U.O.N.	TOP 6" BELOW CEILING OR 80" TO BOTTOM OF LENS A.F.F. WHICHEVER IS LOWER
XX F	FIRE ALARM COMBINATION SPEAKER/STROBE, LETTER IN CIRCLE INDICATES TYPE: B=BELL, H=HORN, S=SPEAKER. XX = CANDELA RATING, MINIMUM 75 CANDELA U.O.N.	TOP 6" BELOW CEILING OR 80" TO BOTTOM OF LENS A.F.F. WHICHEVER IS LOWER
S F	FIRE ALARM HORN/SPEAKER, LETTER IN CIRCLE INDICATES TYPE: B=BELL, C=CHIME, H=HORN, S=SPEAKER WP=WEATHERPROOF TYPE	TOP 6" BELOW CEILING OR 80" TO CTR. A.F.F. WHICHEVER IS LOWER EXTERIOR HORNS MOUNTED AT 96" AFF
F S	FIRE ALARM SPEAKER WITH STROBE. XX = CANDELA RATING, MINIMUM 75 CANDELA U.O.N. YY = SPEAKER WATTAGE, MINIMUM 1/2 WATT U.O.N.	RECESSED CEILING MOUNTED OR SURFACE MOUNTED WHEN INDICATED WITH (SUR)
F	FIRE ALARM MANUAL PULL STATION	M.H. 48" AFF TO TOP
F RI	FIRE ALARM REMOTE INDICATOR	M.H. 48" AFF TO TOP
F FS	FIRE ALARM FLOW SWITCH	AS NOTED
F TS	FIRE ALARM TAMPER SWITCH	AS NOTED
F D	FIRE ALARM MAGNETIC DOOR HOLDER COORDINATE MOUNTING HEIGHT WITH DOOR SUPPLIER	WALL MOUNTED
F S	FIRE ALARM SMOKE DETECTOR	CEILING MOUNTED
F SD	FIRE ALARM DUCT MOUNTED SMOKE DETECTOR	DUCT MOUNTED (SEE MECH DWGS.)
F H	FIRE ALARM HEAT DETECTOR	CEILING MOUNTED
F R	FIRE ALARM CONTROL RELAY (AIR HANDLER SHUTDOWN SOLENOID VALVE, ETC.)	M.H. 60" A.F.F. TO BOTTOM OR AS NOTED
FATC	FIRE ALARM TERMINAL CABINET - MIN. 18"x18"x6" WITH HINGED LOCKABLE COVER	M.H. 6'-0" A.F.F. TO TOP
FACP	FIRE ALARM CONTROL PANEL	M.H. 6'-0" A.F.F. TO TOP
FAEC	FIRE ALARM POWER EXPANDER/POWER SUPPLY PANEL	M.H. 6'-0" A.F.F. TO TOP
FAVP	FIRE ALARM ANNUNCIATOR PANEL WITH VOICE CONTROL COMMAND STATION	M.H. 6'-0" A.F.F. TO TOP
	FIRE ALARM SYSTEM END OF LINE RESISTOR	SEE FIRE ALARM RISER

THIS IS A STANDARD LEGEND. NOT ALL DEVICES SHOWN ARE USED IN THESE DOCUMENTS.

ELECTRICAL DRAWING INDEX

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION	MOUNTING
	BRANCH CIRCUIT CONDUIT AND WIRE CONCEALED ABOVE CEILING OR BEHIND FINISHED WALL	N/A
	BRANCH CIRCUIT CONDUIT AND WIRE CONCEALED BELOW FINISHED FLOOR OR UNDERGROUND.	N/A
	RACEWAY EXPOSED ON WALL OR CEILING	N/A
LA-1,3,5 #12 EG IG	HOMERUN TO PANELBOARD - LETTER INDICATES PANEL, NUMBER INDICATES CIRCUIT, MINIMUM 3/4" CONDUIT. NOTE: ANY HOMERUN WITHOUT FURTHER DESIGNATION INDICATES TWO #12 AWG AND #12 AWG EQUIPMENT GROUND. DEDICATED CIRCUIT REQUIRES SEPARATE NEUTRAL	N/A
	CONDUIT CAPPED	N/A
	120/208 VOLT POWER PANELBOARD	M.H. 6'-0" TO TOP OR AS NOTED
	277/480 VOLT POWER PANELBOARD	M.H. 6'-0" TO TOP OR AS NOTED
	NON-FUSIBLE SWITCH	M.H. 6'-0" TO TOP OR AS NOTED
	FUSIBLE SAFETY SWITCH	M.H. 6'-0" TO TOP OR AS NOTED
	MOTOR CONNECTION	AS NOTED
	DUPLEX RECEPTACLE - 120VAC	M.H. 16" AFF TO BOTTOM OR AS NOTED
	DUPLEX RECEPTACLE - 120VAC	M.H. 42" AFF TO BOTTOM OR AS NOTED
	DOUBLE DUPLEX RECEPTACLE - 120VAC	
WP	DUPLEX RECEPTACLE - 120VAC. LETTER NEXT TO DEVICE INDICATES THE FOLLOWING: 'WP' = WEATHERPROOF TYPE. 'GFI' = GROUND FAULT PROTECTION TYPE. 'DL' = DAMP LOCATION WEATHERPROOF COVER (NOT IN USE TYPE) 'AFCI' = ARC FAULT CIRCUIT INTERRUPTER	M.H. 16" AFF TO BOTTOM OR AS NOTED
	DUPLEX RECEPTACLE - 120VAC, ON UPS	M.H. 16" AFF TO BOTTOM OR AS NOTED
	DOUBLE DUPLEX RECEPTACLE - 120VAC, ON UPS	M.H. 16" AFF TO BOTTOM OR AS NOTED
	DOUBLE DUPLEX RECEPTACLE - 120VAC MOUNTED ON THE FLOOR, BELOW RAISED FLOOR IN JUNCTION BOX (TYP) - ON UPS	FLOOR MOUNTED BELOW RAISED FLOOR
	COMBINATION COMMUNICATION/POWER FLOOR BOX. ROUND FULLY ADJUSTABLE, DEEP, TWO-GANG WITH BRASS FLANGE; 20 AMP, 120 VAC. DUPLEX RECEPTACLE, 1" CONDUIT WITH PULL CORD TO ACCESSIBLE CEILING FOR DATA OUTLET. REFER TO THE TECHNOLOGY DRAWINGS FOR DATA CABLING AND OUTLET REQUIREMENT.	RECESSED IN FLOOR
	FLUSH FLOOR OUTLET, DUPLEX RECEPTACLE ROUND, FULLY ADJUSTABLE, DEEP, SINGLE-GANG WITH BRASS FLANGE	RECESSED IN FLOOR
H	JUNCTION BOX OR OUTLET BOX, 4" SQUARE BOX, FOR HAND DRYER ELECTRICAL CONNECTION.	M.H. 42" AFF TO BOTTOM

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION	MOUNTING
A A	LED PENDANT MOUNTED LUMINAIRE, LETTER INDICATES TYPE. SHADED INDICATES ON EMERGENCY BRANCH CIRCUIT.	PENDANT MTD - SEE LUMINAIRE SCHEDULE
B a B a	LED LUMINAIRE, LETTER INDICATES TYPE. SHADED INDICATES ON EMERGENCY BRANCH CIRCUIT. a = SWITCH DESIGNATION	CEILING - SEE LUMINAIRE SCHEDULE
C C	LED RECESSED DOWNLIGHT LUMINAIRE, LETTER INDICATES TYPE. SHADED INDICATES ON EMERGENCY BRANCH CIRCUIT.	CEILING - SEE LUMINAIRE SCHEDULE
D D	LED STRIP LIGHT, LETTER INDICATES TYPE. SHADED INDICATES ON EMERGENCY BRANCH CIRCUIT.	CEILING OR WALL SEE LUMINAIRE SCHEDULE
F F	LED PENDANT MOUNTED LUMINAIRE, LETTER INDICATES TYPE. SHADED INDICATES ON EMERGENCY BRANCH CIRCUIT.	PENDANT MTD - SEE LUMINAIRE SCHEDULE
G G	LED RECESSED LUMINAIRE, LETTER INDICATES TYPE. SHADED INDICATES ON EMERGENCY BRANCH CIRCUIT.	CEILING - SEE LUMINAIRE SCHEDULE
SA	SINGLE HEAD POLE MOUNTED LED SITE LUMINAIRE, LETTER INDICATES TYPE.	POLE MOUNTED - SEE LUMINAIRE SCHEDULE
SB	POLE MOUNTED LED SITE LUMINAIRE WITH DUAL HEADS, LETTER INDICATES TYPE.	POLE MOUNTED - SEE LUMINAIRE SCHEDULE
W	WALL MOUNTED LED LUMINAIRE, LETTER INDICATES TYPE	WALL - SEE LUMINAIRE SCHEDULE
X	EXIT LIGHT ON EMERGENCY BRANCH CIRCUIT, LETTER INDICATES TYPE SINGLE OR DUAL FACED AS INDICATED ON DRAWINGS	SEE LUMINAIRE SCHEDULE
VS	LOW VOLTAGE (0-10 VOLT) OCCUPANCY SENSOR, VACANCY TYPE (MANUAL ON/AUTO OFF). PROVIDE WIDER RANGE DEVICES WHEN NECESSARY.	CEILING MOUNTED
OS	OCCUPANCY SENSOR (AUTO ON/AUTO OFF), LINE VOLTAGE (120/277V)	CEILING MOUNTED
$a	SINGLE POLE SWITCH (120/277V), LETTER INDICATES FIXTURE GROUPING BY SWITCH	M.H. 48" AFF TO TOP
$3a	THREE WAY SWITCH (120/277V), LETTER INDICATES FIXTURE GROUPING BY SWITCH	M.H. 48" AFF TO TOP
$Ka	SINGLE POLE SWITCH (120/277V), KEY OPERATED. LETTER INDICATES FIXTURE GROUPING BY SWITCH	M.H. 48" AFF TO TOP
$M	MOTOR/HP RATED TOGGLE SWITCH SIZED PER MOTOR MANUFACTURER'S RECOMMENDATION, MINIMUM 20 AMP.	SURFACE, ADJACENT TO OR ON MOTOR
$OS	LINE VOLTAGE (120/277 VOLT) SWITCH WITH INTERGRAL OCCUPANCY SENSOR (AUTO ON/AUTO OFF)	M.H. 48" AFF TO TOP
	PUSH-BUTTON DIMMER SWITCH, ON/OFF/DIMMING - 0-10V. LED DIMMER SHALL BE COMPATIBLE WITH LED DRIVER AND OCCUPANCY SENSOR.	M.H. 48" AFF TO TOP
3	MULTI-WAY PUSH-BUTTON DIMMER SWITCH, ON/OFF/DIMMING (MULTI-WAY APPLICATION WITH NON-DIMMING UNITS ONLY) 0-10V LED DIMMER SHALL BE COMPATIBLE WITH LED DRIVER AND OCCUPANCY SENSOR.	M.H. 48" AFF TO TOP
a	LOW VOLTAGE LIGHTING CONTROL WALL SWITCH. PUSH BUTTON ON/OFF, STAINLESS STEEL COVERPLATE. COORDINATE WITH THE OCCUPANCY SENSOR. LETTER INDICATES FIXTURE GROUPING BY SWITCH	M.H. 48" AFF TO TOP
3a	LOW VOLTAGE MULTI-WAY LIGHTING CONTROL WALL SWITCH (e.g. 3-WAY). PUSH BUTTON ON/OFF, STAINLESS STEEL COVERPLATE. COORDINATE WITH THE OCCUPANCY SENSOR. LETTER INDICATES FIXTURE GROUPING BY SWITCH	M.H. 48" AFF TO TOP

ELECTRICAL GENERAL NOTES:

(THESE NOTES APPLY TO ALL SHEETS)

1. ALL ELECTRICAL WORK SHALL MEET ALL OF THE REQUIREMENTS OF THE FOLLOWING:
   - A. FLORIDA BUILDING CODE (FBC) 8TH EDITION (2023) (EFFECTIVE DECEMBER 31,2023): THIS CODE INCLUDES THE 2023 FBC BUILDING, MECHANICAL, PLUMBING, ENERGY CONSERVATION, FUEL GAS, ACCESSIBILITY, AND TEST PROTOCOLS VOLUMES. FURTHER, SEE "REFERENCED STANDARDS" IN THE FBC BUILDING CHAPTER 35; FBC MECHANICAL CHAPTER 15; FBC PLUMBING CHAPTER 15; FBC ENERGY CONSERVATION CHAPTER 6; AND FBC FUEL GAS CHAPTER 8).
   - B. 8TH EDITION OF THE FLORIDA FIRE PREVENTION CODE (FFPC): (THIS CODE ALSO INCLUDES THE FLORIDA VERSIONS OF NFPA 1 AND NFPA 101.) (EFFECTIVE DECEMBER 31, 2023).
   - C. 2020 NATIONAL ELECTRIC CODE.
   - D. FDOT BUILDING FACILITIES DESIGN MANUAL 625-202-016-F - REVISED MAY 2020.
2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE AND VERIFY THE EXISTING CONDITIONS TO GAIN KNOWLEDGE OF THE SCOPE OF WORK INVOLVED.
3. "PROVIDE" SHALL MEAN "FURNISH AND INSTALL".
4. IN GENERAL, THESE DRAWINGS ARE SCHEMATIC IN NATURE AND SHOULD NOT BE SCALED. IT SHALL NOT BE THE INTENT OF THESE PLANS AND/OR SPECIFICATIONS TO SHOW EVERY MINOR DETAIL OF CONSTRUCTION. PROVIDE ALL ITEMS NECESSARY FOR A COMPLETE AND OPERATIONAL SYSTEM.
5. ELECTRICAL INSTALLATION SHALL BE CLOSELY COORDINATED WITH ALL OTHER TRADES. REVIEW THE ENTIRE SET OF DOCUMENTS FOR COORDINATION. NO COST SHALL BE ASSOCIATED WITH ILL-TIMED INSTALLATION INCLUDING ANY REPAIRS OR REPLACEMENTS.
6. ALL CONDUITS AND BOXES SHALL BE CONCEALED UNLESS OTHERWISE NOTED. ALL CONDUIT RUNS ARE SCHEMATIC IN NATURE. EXACT ROUTING TO BE DETERMINED IN THE FIELD UNLESS OTHERWISE NOTED.
7. APPLY A BITUMASTIC COATING OR 3M SCOTCHRAP TAPE FOR ALL METALLIC CONDUITS PENETRATING FLOOR SLABS FROM BELOW GRADE.
8. PROVIDE ALL REQUIRED PULL BOXES, JUNCTION BOXES, ETC. FOR A COMPLETE INSTALLATION.
9. PROVIDE FIRE-STOPPING AT ALL FIRE WALL PENETRATIONS. USE A U.L. APPROVED SYSTEM LISTED FOR THE ASSOCIATED INSTALLATION.
10. ALL CONDUCTORS SHALL BE STRANDED COPPER, THHN/THWN, MINIMUM #12 AWG. ALL CONDUCTORS SHALL BE IN CONDUIT. FLEXIBLE CONDUIT SHALL BE LIMITED TO A MAXIMUM OF 6'-0" IN LENGTH.
11. MC CABLE OR OTHER PREMANUFACTURED CABLING SHALL NOT BE USED.
12. ALL CIRCUITS SHALL CONTAIN A SEPARATE, GREEN, COPPER GROUNDING CONDUCTOR.
13. ALL RECEPTACLES SHALL HAVE A GROUND TERMINAL.
14. RECESSED LIGHTING FIXTURES SHALL BE SUPPORTED FROM THE STRUCTURE AT (4) POINTS. DO NOT SUPPORT FIXTURES FROM THE CEILING GRID, MECHANICAL PIPING, DUCTWORK, CONDUIT OR OTHER NON-STRUCTURAL BUILDING MEMBERS. PROVIDE SUPPLEMENTAL STEEL AS REQUIRED FOR INSTALLATION.
15. THE COLOR OF ALL RECEPTACLES, TOGGLE SWITCHES AND COVERPLATES SHALL BE VERIFIED WITH THE ARCHITECT PRIOR TO ORDERING.
16. PANELBOARDS SHALL BE ACCURATELY LABELED TO IDENTIFY FINAL CIRCUIT NUMBERS UTILIZED, THEIR LOAD AND LOCATION.
17. PROVIDE FIRE RETARDANT U.L. APPROVED SEALANT ON ALL PENETRATIONS OF FIRE RATED PARTITIONS, WALLS AND STRUCTURAL SLABS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY, PRIOR TO SUBMITTING BID, LOCATIONS OF ALL SUCH FIRE RATED PARTITIONS, WALL AND STRUCTURAL SLABS.
18. PROVIDE HANDLE TIES FOR 2 OR MORE SINGLE POLE WITH SHARED NEUTRALS TO COMPLY WITH NEC 210.4 (B)
19. REFER TO TECHNICAL SPECIAL PROVISIONS (SPECIFICATIONS) FOR MORE REQUIREMENTS.
20. REFER TO OTHER CONSULTANT'S DRAWINGS, SUCH AS THOSE ON TECHNOLOGY AND SECURITY, FOR THE RESPONSIBILITIES OF ELECTRICAL CONTRACTORS NOT SHOWN ON ELECTRICAL DRAWINGS.

AARON JOSEPH LICENSE No. 85273 STATE OF FLORIDA PROFESSIONAL ENGINEER
Digitally signed by Aaron Joseph
Date: 2025.04.01 17:18:32-04'00'

No.	Date	Issue / Revision

AARON JOSEPH, PE
PE 85273

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607
ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO

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

ELECTRICAL LEGEND AND GENERAL NOTES

DWG NO. AE-001
SHEET NO.

ABBREVIATIONS:

AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
ATS	AUTOMATIC TRANSFER SWITCH
E	EXISTING
ETR	EXISTING TO REMAIN
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
EG	EQUIPMENT GROUND
EPO	EMERGENCY POWER OFF
ESB	ENERGY SAVING BALLAST
EXP	EXPLOSION PROOF
FACP	FIRE ALARM CONTROL PANEL
FATC	FIRE ALARM TERMINAL CABINET
FPD	FLAT PANEL DISPLAY
GAP	GENERATOR ANNUNCIATOR PANEL
GFI	GROUND FAULT PROTECTION
G, GND	GROUND
GWB	GYPSUM WALL BOARD
H.D.	HAND DRYER
INT	INTERCOM/PAGING CABINET
MCB	MAIN CIRCUIT BREAKER
MLO	MAIN LUG ONLY
MTG	MOUNTING
MTD	MOUNTED
M.H.	MOUNTING HEIGHT
N/A	NOT APPLICABLE
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
PROJ	PROJECTOR LOCATION
U.O.N.	UNLESS OTHERWISE NOTED
R	REMOVE
RL	RELOCATED
UPS	UNINTERRUPTIBLE POWER SUPPLY
WP	WEATHER PROOF
XFMR	TRANSFORMER

LUMINAIRE SCHEDULE

TYPE	DESCRIPTION	VOLTS	WATTS	LAMPS	BALLAST (IF APPLICABLE)	MOUNTING
A	2'x2' RECESSED LED LUMINARIE WITH COLD-ROLLED STEEL HOUSING, CURVED RIBBED DIFFUSER. LITHONIA BLT SERIES 2BLT2-33L-ADP- MVOLT-GZ1-LP840 OR APPROVED EQUIVALENT	120/277	26.5	LED, 3300 LUMENS 4000K	LED DRIVER WITH 0-10V DIMMING	RECESSED CEILING GRID
B	2'x2' RECESSED LED EDGE-LIT FLAT PANEL, LOW PROFILE, ALUMINUM FRAME. LITHONIA EPANL LED EPANL-2X2-4000LM-80CRI-40K-MIN10-EZT OR APPROVED EQUIVALENT	120/277	37	LED, 4000 LUMENS 4000K	LED DRIVER WITH 0-10V DIMMING	RECESSED CEILING GRID
C	4 FOOT LENSED LED STRIPLIGHT. SNAP ON/OFF FROSTED DIFFUSE LENS, COLD-ROLLED STEEL HOUSING, PROVIDE CHAIN HANGER AS REQ'D. LITHONIA CLX-L48-5000-SEF-FDL-MVOLT-EZ1-40K-80CRI, OR APPROVED EQUIVALENT.	120/277	32	LED 5000 LUMENS, 4000K	LED DRIVER WITH 0-10V DIMMING	SURFACE MNT OR CHAIN HUNG 9'-0" AFF
D	1'x4' RECESSED LED LUMINARIE WITH COLD-ROLLED STEEL HOUSING, CURVED RIBBED DIFFUSER. LITHONIA BLT SERIES BLT4-40L-ADP- MVOLT-EZ1-LP840, OR APPROVED EQUIVALENT	120/277	32	LED, 4000 LUMENS 4000K	LED DRIVER WITH 0-10V DIMMING	RECESSED FLANGE
F	6" OPEN REFLECTOR, LED DOWNLIGHT, GALVANIZED STEEL MOUNTING, DIMMING, LISTED FOR WET LOCATIONS. LITHONIA LDN6-40/25-L06-AR-LSS-MVOLT-EZ10 OR APPROVED EQUIVALENT	120/277	28	LED, 2500 LUMENS 4000K	LED DRIVER WITH 0-10V DIMMING	RECESSED
G6	6'-0" LOW PROFILE LINEAR LED LUMINAIRE, ALUMINUM HOUSING. XICO LIGHTING MSQI40MCO-P-6-MBK-E1-OSOMCOBK-S80-40-DMCO35-100-NN-NN-UNV-FD01-NN-NN-NN-DJ-RCBK2-S48BK OR APPROVED EQUIVALENT. VERIFY FINISH COLOR WITH ARCHITECT PRIOR TO ORDERING.	120/277	54	LED, 1,000 LUMENS PER FOOT, 4000K	LED DRIVER WITH 0-10V 1% DIMMING	PENDANT MOUNT
H8	8'-0" PENDANT MOUNTED LINEAR LED LUMINAIRE, EXTRUDED 4" ALUMINUM HOUSING. FOCAL POINT LIGHTING FSM4LS-FL-1000LF-40K-IC-UNV-L1I-C48BKCD-8' OR APPROVED EQUIVALENT. VERIFY FINISH COLOR WITH ARCHITECT PRIOR TO ORDERING.	120/277	70	LED, 1,000 LUMENS PER FOOT, 4000K	LED DRIVER WITH 0-10V 1% DIMMING	PENDANT MOUNT
K	10'-0" SQUARE COLUMN LED LUMINAIRE, DIE-CAST ALUMINUM. SELUX MTR SQUARE COLUMN SRIES MTRQL-10-3-2830-40-BZ-UNZ OR APPROVED EQUIVALENT. VERIFY FINISH COLOR WITH ARCHITECT PRIOR TO ORDERING.	120/277	53	LED; 2,830 LUMENS, 4000K	LED DRIVER	GROUND MOUNTED
L10	10'-0" LED RECESSED LINEAR, HIGH OUTPUT LUMEN PACKAGE, SPACKLE FLANGE MOUNTING, COLD ROLLED STEEL BACK BOX, DIMMING, DAMP LOCATION. PINNACLE LIGHTING EDGE EVOLUTION SERIES EV4D-A-835HO-10-SF-UNV-FSD-IC-W OR APPROVED EQUIVALENT	120/277	64	LED, 750 LUMENS PER FOOT, 3500K	LED DRIVER WITH 0-10V DIMMING	RECESSED MOUNT
L12	12'-0" LED RECESSED LINEAR, HIGH OUTPUT LUMEN PACKAGE, SPACKLE FLANGE MOUNTING, COLD ROLLED STEEL BACK BOX, DIMMING, DAMP LOCATION. PINNACLE LIGHTING EDGE EVOLUTION SERIES EV4D-A-835HO-12-SF- UNV-FSD-IC-W OR APPROVED EQUIVALENT	120/277	76.8	LED, 750 LUMENS PER FOOT, 3500K	LED DRIVER WITH 0-10V DIMMING	RECESSED MOUNT
M	MODULAR IN-GRADE LUMINAIRE, SINGLE LENS LED WET LOCATIONS, 9" DIA. ROUND, ALUMINUM, NARROW SPOT, FLAT LENS CLEAR. LENS SHALL BE ADA COMPLIANT SLIP RESISTANT, FACTORY SEALED LAMP MODULE AND ENCAPSULATED POWER MODULE, MUST BE SUITABLE FOR FLUSH MOUNTING IN CONCRETE, PROVIDE COMPONENTS SHALL BE SECURED ON A HEAVY DUTY POLYMER HOUSING WITH CONVECTIVE COOLING. LENS SHALL BE SEALED WITH A STAINLESS STEEL ASSEMBLY. FINISH TO BE SELECTED BY ARCHITECT/OWNER. LED LAMP SHALL BE INCLUDED, ALONG WITH A SUBMERSIBLE QUICK PULL PLUG CONNECTOR. HYDRELL M9420-A-12LED-WHT30K-MVOLT- NSP-FLCAS-34S-LP OR APPROVED EQUIVALENT	120/277	14	LED, 1,200 LUMENS, 3000K	LED DRIVER	IN GRADE

SUBSTITUTIONS WILL NOT BE CONSIDERED WITHOUT A MINIMUM 10 DAY PRIOR APPROVAL SUBMITTAL AND ACCEPTANCE BY OFFICIAL ADDENDUM

LUMINAIRE SCHEDULE

TYPE	DESCRIPTION	VOLTS	WATTS	LAMPS	BALLAST (IF APPLICABLE)	MOUNTING
N4	3"X4' LED LINEAR RECESSED LUMINAIRE, RECESSED LENS. MARK LIGHTING SLIL-LOP-4FT-GB-90CRI-40K-600LMF-MINI-RL-MVOLT-ZT OR APPROVED EQUIVALENT.	120/277	20.3	LED, 2,200 LUMENS (550 LUMENS PER FOOT) 4000K	LED DRIVER WITH 0-10V DIMMING	RECESSED
N8	3"X8' LED LINEAR RECESSED LUMINAIRE, RECESSED LENS. MARK LIGHTING SLIL-LOP-8FT-GB-90CRI-40K-600LMF-MINI-RL-MVOLT-ZT OR APPROVED EQUIVALENT.	120/277	40.6	LED, 4,400 LUMENS (550 LUMENS PER FOOT) 4000K	LED DRIVER WITH 0-10V DIMMING	RECESSED
R3	36" ROUND PENDANT LUMINAIRE. THICK WALL ALUMINUM EXTRUSION, SINGLE DIRECTION ILLUMINATION, OPEN CENTER, OCL LIGHTING SOLO SERIES SL1-CINA-36-MW-MWP-BNP-LED1-40K-UNV OR APPROVED EQUIVALENT. VERIFY FINISH COLOR WITH ARCHITECT PRIOR TO ORDERING.	120/277	90	LED, 7,740 LUMENS, 4000K	LED DRIVER WITH 0-10V DIMMING	SURFACE MOUNTED TO UNISTRUT SUPPORT
R4	48" ROUND PENDANT LUMINAIRE. THICK WALL ALUMINUM EXTRUSION, SINGLE DIRECTION ILLUMINATION, OPEN CENTER, OCL LIGHTING SOLO SERIES SL1-CINA-36-MW-MWP-BNP-LED1-40K-UNV OR APPROVED EQUIVALENT. VERIFY FINISH COLOR WITH ARCHITECT PRIOR TO ORDERING.	120/277	120	LED, 10,320 LUMENS, 4000K	LED DRIVER WITH 0-10V DIMMING	SURFACE MOUNTED TO UNISTRUT SUPPORT
R6	72" ROUND PENDANT LUMINAIRE. ONE PIECE MOLDED DIFFUSER WITH NO VISIBLE SEAMS, OPEN CENTER, OCL LIGHTING LOOP SERIES PIEC-36-MW-MWP-LED2-40K-UNV-144 OR APPROVED EQUIVELENT	120/277	180	LED, 15,480 LUMENS, 4000K	LED DRIVER WITH 0-10V DIMMING	SURFACE MOUNTED TO UNISTRUT SUPPORT
SA	PARKING LOT POLE MOUNTED LUMINAIRE (SINGLE HEAD), OUTDOOR DIE CAST ALUMINUM HOUSING, SILICONE GASKET BETWEEN HOUSING AND LENS, HIGH-EFFICENCY LED OPTICS, TYPE IV DISTRIBUTION, SQUARE POLE. SELUX ARCA SERIES ACL-R4-S1-5G1800-40-BZ-480 OR APPROVED EQUIVALENT	480	54W	LED 5,346 LUMENS 4000K	LED DRIVER	POLE MOUNTED AT 18'-0" REFER TO POLE DETAIL
SB	PARKING LOT POLE MOUNTED LUMINAIRE (DUAL HEAD), OUTDOOR DIE CAST ALUMINUM HOUSING, SILICONE GASKET BETWEEN HOUSING AND LENS, HIGH-EFFICENCY LED OPTICS, TYPE IV DISTRIBUTION, SQUARE POLE. SELUX ARCA SERIES ACL-R4-S2-5G1800-40-BZ-480 OR APPROVED EQUIVALENT	480	54W PER HEAD (TOTAL POLE 108W)	LED 5,346 LUMENS 4000K (PER HEAD)	LED DRIVER	POLE MOUNTED AT 18'-0" REFER TO POLE DETAIL
X	EXIT SIGN, EDGE LIT, EXTRUDED ALUMINUM CONSTRUCTION, CLEAR THERMOPLASTIC PANELS, RED LETTERS, UNIVERSAL MOUNTING. LITHONIA #EDG-1/2-R, OR EQUIVALENT	120/277	4.5	LED	LED DRIVER	SURFACE MNT 8'-0" AFF. ABOVE DOOR OR CEILING

SUBSTITUTIONS WILL NOT BE CONSIDERED WITHOUT A MINIMUM 10 DAY PRIOR APPROVAL SUBMITTAL AND ACCEPTANCE BY OFFICIAL ADDENDUM

AARON JOSEPH LICENSE No. 85273 STATE OF FLORIDA PROFESSIONAL ENGINEER
Digitally signed by Aaron Joseph
Date: 2025.04.01 17:18:41-04'00'

No.	Date	Issue / Revision

AARON JOSEPH, PE
PE 85273

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607
ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO

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

LUMINAIRE SCHEDULE AND CUT SHEETS

DWG NO. AE-002

SHEET NO.

TYPE 'A'

LITHONIA LIGHTING®

DIGITAL NAVIGATION
Ordering Tree | nLight Platform | Sensor Switch JOT | Photometrics | Performance Data

FEATURES & SPECIFICATIONS

INTENDED USE — The BLT Best-in-Value Low Profile LED luminaire features a popular center basket design that offers a clean, versatile style and volumetric distribution. High efficacy LED light engines deliver energy savings and low maintenance compared to traditional sources. An extensive selection of configurations and options make the BLT the perfect choice for many lighting applications including schools, offices and other commercial spaces, retail, hospitals and healthcare facilities. The low profile BLT design (2-3/8") also makes it an excellent choice for renovation projects.

CONSTRUCTION — Prior to fabrication, BLT components are coated with a proprietary paint blend and die-formed for dimensional consistency.

The BLT reflector is available in both smooth and ribbed finishes. Choose RB from the fixture style section below for a ribbed finish.

End plates contain easy-to-position integral T-bar clips for securely attaching the luminaire to the T-grid. For additional T-grid security, optional screw on T-bar clips are available.

Diffusers are extruded from impact modified acrylic for increased durability.

LED boards and drivers are accessible from the plenum.

OPTICS — Volumetric illumination is achieved by creating an optimal mix of light to walls, partitions and vertical and horizontal work surfaces – rendering the interior space, objects and occupants in a more balanced, complimentary luminous environment. A typically configured BLT4 features a **Unified Glare Rating (UGR)** starting at 17. (UGR data available on page 8. High performance extruded acrylic diffusers conceal LEDs and efficiently deliver light in a volumetric distribution. Five diffuser choices available - curved and square designs with ribbed or a smooth frosted finish.

ELECTRICAL — Long-life LEDs, coupled with high-efficiency drivers, provide superior quantity and quality of illumination for extended service life. 80% LED lumen maintenance at 60,000 hours (L80/60,000). Color Variation within 3-step MacAdam ellipse (350CRI).

Non-Configurable BLT: Generic 0-10 volt dimming driver. Dims to 10%

Configurable BLT: available in High Efficiency (HE) versions for applications where a lower wattage (over the standard product) is required. The High Efficiency versions deliver >130 LPW and can be specified via the Lumen Package designations in the Ordering Information below.

eldoLED driver options deliver choice of dimming range, and choices for control, while assuring flicker-free, low-current inrush, 89% efficiency and low EMI.

Optional integrated nLight®controls make each luminaire addressable - allowing them to digitally communicate with other nLight enabled controls such as dimmers, switches, occupancy sensors and photocontrols. Connection to nLight is simple. It can be accomplished with integrated nLight AIR wireless 802.15(2) RES7 sensors, or through standard Cat-5 cabling. nLight offers unique plug-and-play convenience as devices and luminaires automatically discover each other and self-commission. nLight AIR is commissioned easily through an intuitive mobile app.

Lumen Management: Unique lumen management system (option NDD) provides on board intelligence that actively manages the LED light source so that constant lumen output is maintained over the system life, preventing the energy waste created by the traditional practice of over-lighting.

Step-level dimming option allows system to be switched to 50% power for compliance with common energy codes while maintaining fixture appearance.

SENSOR — Integrated sensor (individual control): Sensor Switch MSDTADCX ((Passive infrared (PIR)) or MSDPDTTADCX (PIR/Microphonics Dual-Tech (PDT)) integrated occupancy sensor/automatic dimming photocell allows the luminaire to power off when the space is unoccupied or enough ambient light is entering the space. See page 4 for more details on the integrated sensor.

Integrated Sensor (nLight Wired Networking): This sensor is nLight-enabled, meaning it has the ability to communicate over an nLight network. When wired, using CAT-5 cabling, with other nLight-enabled sensors, power packs, or WallPods, an nLight control zone is created. Once linked to a Gateway, directly or via a Bridge, the zone becomes capable of remote status monitoring and control via SensorView software. See page 4 for the nLight sensor options.

Integrated Smart Sensor (nLight Air Wireless Platform): The RES7 sensor is nLight AIR enabled, meaning it has the ability to communicate over the wireless nLight control platform. It is available with an automatic dimming photocell, and either a digital PIR or microphonics (PDT) dual technology occupancy sensor. It pairs to other luminaires and wall switches through our mobile app, CLAIRITY+, which allows for simple sensor adjustment. See page 4 for more details on the Integrated Smart Sensor.

Integrated Wireless Sensor (single room control): Sensor Switch VERTEX JOT or JOTVTX15 luminaire-embedded occupancy and ambient light sensor allows the luminaire to power off when the space is unoccupied or when enough ambient light is entering the space. See page 8 for more details on the integrated wireless sensor.

INSTALLATION — The BLT's low profile design of only 2-3/4" provides increased installation flexibility especially in restrictive plenum applications. Designed for use in NEMA standard Type 6 (1" & 15/16"), NFG (9/16"), and SS (9/16") grid ceilings. Consult factory about other ceiling types.

For recessed mounting in hard ceiling applications, Drywall Grid Adapters (DGA) are available as an accessory. See Accessories section. Suitable for damp location.

LISTINGS — CSA Certified to meet U.S. and Canadian standards. IC rated. Tested in accordance with ISO 14644-1; suitable for ISO Class 5-9 positive and negative pressure clean rooms.

Design Lights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

BUY AMERICAN ACT — Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations. Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY — 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

NOTE: Actual performance may differ as a result of end-user environment and application.
All values are design or typical values, measured under laboratory conditions at 25 °C.
Specifications subject to change without notice.

Catalog Number
Notes
Type

BLT Series LED

2BLT2

ADP Diffuser Option

2' x 2' LED

Ribbed Reflector Option

Specifications
Length: 23-3/4 (60.3)
Width: 23-3/4 (60.3)
Depth: 2-3/8 (6.0)
Depth with Air supply/return: 2-3/4 (6.9)
All dimensions are inches (centimeters) unless otherwise specified.

Static

Air Supply/Return

Embed nLight controls today. Prepare for tomorrow.

Now	Tomorrow
User-friendly install	Scalability
Enhanced energy savings	Space configuration
Code compliance	Future-ready

Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning when used with Acuity Brands controls products.
All configurations of this luminaire are calibrated and tested to meet the Acuity Brands' specifications for chromatic consistency – including color rendering, color fidelity, and color temperature tolerance around standard CIE chromaticity coordinates.

To learn more about Acuity A+ standards, specifications, and testing visit www.acuitybrands.com/aplus.

design select

Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit www.acuitybrands.com/designselect.
*See ordering tree for details

TYPE 'B'

LITHONIA LIGHTING®

DIGITAL NAVIGATION
Ordering Tree | nLight Platform | Sensor Switch JOT | Photometrics | Performance Data | Drawings

FEATURES & SPECIFICATIONS

INTENDED USE — The EPANL Series LED Edge-Lit Flat Panel provides a fully luminous appearance across the face of the lens. This provides a soft, glare-free solution that is visually comfortable within the space. Suitable for many lighting applications including schools, offices and other commercial spaces, retail, convenience stores, hospitals and healthcare facilities. **Certain airborne contaminants can diminish the integrity of acrylic and/or polycarbonate. Click here for Acrylic/Polycarbonate Compatibility table for suitable uses.**

CONSTRUCTION — This edgelit platform was built to last with an aluminum frame for strength and durability, the seamless frame prevents light leak in the corners. The PMMA light guide plate and lens resists yellowing and transmits light with superior efficacy. The satin white lens provides excellent shielding and fully luminous appearance. EPANL's low-profile design provides increased installation flexibility especially in restrictive plenum spaces. The back plate includes integral T-bar clips for installation into 15/16" or 9/16" T-grid ceilings. Fixture may be recessed, suspended, surface box mounted or mounted in a hard-ceiling see accessories section for more information. Fixture may be mounted and wired in continuous rows.

Integrated Sensor (nLight Wired Networking): This sensor is nLight-enabled, meaning it has the ability to communicate over an nLight network. When wired, using CAT-5 cabling, with other nLight-enabled sensors, power packs, or WallPods, an nLight control zone is created. Once linked to a Gateway, directly or via a Bridge, the zone becomes capable of remote status monitoring and control via SensorView software. See page 7 for more details on the integrated wireless sensor.

Integrated Smart Sensor (nLight Air Wireless Platform): The RES7 sensor is nLight AIR enabled, meaning it has the ability to communicate over the wireless nLight control platform. It is available with an automatic dimming photocell, and either a digital PIR or microphonics (PDT) dual technology occupancy sensor. It pairs to other luminaires and wall switches through our mobile app, CLAIRITY+, which allows for simple sensor adjustment. See page 7 for more details on the Integrated Smart Sensor.

Integrated Wireless Sensor (single room control): Sensor Switch VERTEX JOT or JOTVTX15 luminaire-embedded occupancy and ambient light sensor allows the luminaire to power off when the space is unoccupied or when enough ambient light is entering the space. See page 8 for more details on the integrated wireless sensor.

LISTINGS — CSA Certified to meet U.S. and Canadian standards. Tested to meet UL1598. Intended for indoor use only. Product is not to be stored in non-climate controlled spaces.

Design Lights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

Damp location listed. IC rated. IP5X rated. Long nomenclature, configurable product is rated for NSF/ANSI Standard 2 – Light Fixture for Splash Zone and Non Food Zone. Tested in accordance with ISO 14644-1; suitable for ISO Class 5 – 9 positive and negative pressure clean rooms. Suitable for ambient temperatures from 32°F (0°C) to 77°F (25°C).

WARRANTY — 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application.
All values are design or typical values, measured under laboratory conditions at 25 °C.
Specifications subject to change without notice.

Dimensions

	1x4	2x2	2x4
Length	47.72"	23.70"	47.72"
Width	11.85"	23.70"	23.70"
Depth	2.19"	2.19"	2.19"
Weight	13.9 lbs	7.4 lbs	15.1 lbs

* Base configurations; options may add weight

Catalog Number
Notes
Type

EPANL LED

1'x4', 2'x2', and 2'x4'

Embed nLight controls today. Prepare for tomorrow.

Now	Tomorrow
User-friendly install	Scalability
Enhanced energy savings	Space configuration
Code compliance	Future-ready

Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® control networks when ordered with drivers marked by a shaded background*
- This luminaire is part of an A+ Certified solution for nLight control networks, providing advanced control functionality at the luminaire level, when selection includes driver and control options marked by a shaded background*

To learn more about A+, visit www.acuitybrands.com/aplus.

*See ordering tree for details

TYPE 'C'

LITHONIA LIGHTING®

FEATURES & SPECIFICATIONS

INTENDED USE — The CLX is a linear lighting solution that is available in multiple lengths, lumen packages and distributions. Designed for versatility, the CLX can address virtually any indoor lighting need. The CLX is also offered in standard and high efficacy configurations and capable of being continuous row mounted or installed as a stand-alone fixture. Ideal for uplight and downlight in commercial, retail, manufacturing, warehouse, and display applications. **Certain airborne contaminants can diminish the integrity of acrylic and/or polycarbonate. Click here for Acrylic/Polycarbonate Compatibility table for suitable uses.**

CONSTRUCTION — Channel and cover are formed from code-gauge cold-rolled steel. Housing and lens endcaps are injection-molded polymer to provide a more architectural look and feel. The endcaps come standard with a 7/8" knock out for continuous mounting but can be ordered without.

Finish: Paint options include high-gloss, baked white polyester (WH), galvanized (GAV), matte black (MB) and smoke gray (SKGY). Five-stage iron phosphate pre-treatment ensures superior paint adhesion and rust resistance.

OPTICS — Offered with acrylic lens and lens configurations. Provides a choice of optical distributions including, wide, narrow, and asle.

Models with wide diffuser lens provide up to 12% uplight. Please check the IES file for specific uplight value.

ELECTRICAL — Utilizes high-output LEDs integrated on a two-layer circuit board, ensuring cool-running operation. Optional internal pluggable wiring harness for reduced labor cost in row mounting applications. (See PLR_ ordering information on page 7.) Electronic LED driver is multi-volt input and 0-10V dimming standard (see Operational Data on page 6 for actual wattage consumption). This fixture is designed to withstand a maximum line surge of 2.5kV at 0.25kA combination wave for indoor locations, for applications requiring higher level of protection additional surge protection must be provided.

L70>100,000 hours at 25 °C.

LEDs provide nominal 80 CRI or 90 CRI at 3000 K, 3500 K, 4000 K, or 5000 K.

Lumen output up to 2,500 lumens per foot.

INSTALLATION — Fixture may be ceiling or wall mounted (with or without THCLX hanger or angle mounted with CLXANGBRT), pendant or stem mounted with appropriate mounting options.

WARNING — Removing the lens and opening the fixture during installation exposes the LEDs, putting them at risk for damage.

If you plan to surface-mount the fixture, we recommend using the THCLX. This eliminates the need to open the fixture.

If you plan to continuous row mount, we recommend using the PLR wiring harness option. This eliminates the need to open the fixture.

Damage to the LEDs caused during installation will not be covered under the warranty.

LISTINGS — CSA certified to US and Canadian safety standards. For use in damp locations between -4°F (-20°C) and 104°F (40°C). Optional High Ambient (HA) ranging to 122°F(50°C) available on certain lumen packages (See ambient temperature chart for additional information).
Design Lights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

BUY AMERICAN ACT — Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations. Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY — 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application.
All values are design or typical values, measured under laboratory conditions at 25 °C.
Specifications subject to change without notice.

Stock configurations are offered for shorter lead times:

Stock Part Number	UPC
CLX L48 3000LM SEF FDL MVOLT GZ10 40K 80CRI WH	0019172325816
CLX L48 3000LM SEF FDL MVOLT GZ10 50K 80CRI WH	0019172325881
CLX L48 3000LM SEF FDL MVOLT GZ10 50K 90CRI WH	0019172325959
CLX L48 5000LM SEF FDL MVOLT GZ10 50K 80CRI WH	0019172325908
CLX L96 6000LM SEF FDL MVOLT GZ10 40K 80CRI WH	0019172325861
CLX L96 6000LM SEF FDL MVOLT GZ10 50K 80CRI WH	0019172325915
CLX L96 10000LM SEF FDL MVOLT GZ10 40K 80CRI WH	0019172325922
CLX L96 10000LM SEF FDL MVOLT GZ10 50K 80CRI WH	0019172325830
CLX L48 3000LM SEF RDL MVOLT GZ10 40K 80CRI WH	0019172325946
CLX L48 3000LM SEF RDL MVOLT GZ10 50K 80CRI WH	0019172325892
CLX L48 5000LM SEF RDL MVOLT GZ10 40K 80CRI WH	0019172325854
CLX L48 5000LM SEF RDL MVOLT GZ10 50K 80CRI WH	0019172325946
CLX L96 6000LM SEF RDL MVOLT GZ10 40K 80CRI WH	0019172325878
CLX L96 6000LM SEF RDL MVOLT GZ10 50K 80CRI WH	0019172325823
CLX L96 10000LM SEF RDL MVOLT GZ10 40K 80CRI WH	0019172325953
CLX L96 10000LM SEF RDL MVOLT GZ10 50K 80CRI WH	0019172325847

Catalog Number
Notes
Type

LED Linear

CLX

24", 36", 48" and 96" Lengths

Flat Diffuse Lens

Round Diffuse Lens

Wide Diffuse Lens

CLX with Reflector

Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning when used with Acuity Brands controls products.
All configurations of this luminaire are calibrated and tested to meet the Acuity Brands' specifications for chromatic consistency – including color rendering, color fidelity, and color temperature tolerance around standard CIE chromaticity coordinates.

To learn more about Acuity A+ standards, specifications, and testing visit www.acuitybrands.com/aplus.

design select

Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit www.acuitybrands.com/designselect.
*See ordering tree for details

TYPE 'D'

LITHONIA LIGHTING®

DIGITAL NAVIGATION
Ordering Tree | nLight Platform | Sensor Switch JOT | Photometrics | Performance Data

FEATURES & SPECIFICATIONS

INTENDED USE — The BLT Best-in-Value Low Profile LED luminaire features a popular center basket design that offers a clean, versatile style and volumetric distribution. High efficacy LED light engines deliver energy savings and low maintenance compared to traditional sources. An extensive selection of configurations and options make the BLT the perfect choice for many lighting applications including schools, offices and other commercial spaces, retail, hospitals and healthcare facilities. The low profile BLT design (2-3/8") also makes it an excellent choice for renovation projects.

CONSTRUCTION — Prior to fabrication, BLT components are coated with a proprietary paint blend and die-formed for dimensional consistency.

The BLT reflector is available in both smooth and ribbed finishes. Choose RB from the fixture style section below for a ribbed finish.

End plates contain easy-to-position integral T-bar clips for securely attaching the luminaire to the T-grid. For additional T-grid security, optional screw on T-bar clips are available.

Diffusers are extruded from impact modified acrylic for increased durability.

LED boards and drivers are accessible from the plenum.

OPTICS — Volumetric illumination is achieved by creating an optimal mix of light to walls, partitions and vertical and horizontal work surfaces – rendering the interior space, objects and occupants in a more balanced, complimentary luminous environment. A typically configured BLT4 features a **Unified Glare Rating (UGR)** starting at 17. (UGR data available on page 8. High performance extruded acrylic diffusers conceal LEDs and efficiently deliver light in a volumetric distribution. Five diffuser choices available - curved and square designs with ribbed or a smooth frosted finish.

ELECTRICAL — Long-life LEDs, coupled with high-efficiency drivers, provide superior quantity and quality of illumination for extended service life. 80% LED lumen maintenance at 60,000 hours (L80/60,000). Color Variation within 3-step MacAdam ellipse (350CRI).

Non-Configurable BLT: Generic 0-10 volt dimming driver. Dims to 10%

Configurable BLT: available in High Efficiency (HE) versions for applications where a lower wattage (over the standard product) is required. The High Efficiency versions deliver >130 LPW and can be specified via the Lumen Package designations in the Ordering Information below.

eldoLED driver options deliver choice of dimming range, and choices for control, while assuring flicker-free, low-current inrush, 89% efficiency and low EMI.

Optional integrated nLight®controls make each luminaire addressable - allowing them to digitally communicate with other nLight enabled controls such as dimmers, switches, occupancy sensors and photocontrols. Connection to nLight is simple. It can be accomplished with integrated nLight AIR wireless 802.15(2) RES7 sensors, or through standard Cat-5 cabling. nLight offers unique plug-and-play convenience as devices and luminaires automatically discover each other and self-commission. nLight AIR is commissioned easily through an intuitive mobile app.

Lumen Management: Unique lumen management system (option NDD) provides on board intelligence that actively manages the LED light source so that constant lumen output is maintained over the system life, preventing the energy waste created by the traditional practice of over-lighting.

Step-level dimming option allows system to be switched to 50% power for compliance with common energy codes while maintaining fixture appearance.

SENSOR — Integrated sensor (individual control): Sensor Switch MSDTADCX ((Passive infrared (PIR)) or MSDPDTTADCX (PIR/Microphonics Dual-Tech (PDT)) integrated occupancy sensor/automatic dimming photocell allows the luminaire to power off when the space is unoccupied or enough ambient light is entering the space. See page 4 for more details on the integrated sensor.

Integrated Sensor (nLight Wired Networking): This sensor is nLight-enabled, meaning it has the ability to communicate over an nLight network. When wired, using CAT-5 cabling, with other nLight-enabled sensors, power packs, or WallPods, an nLight control zone is created. Once linked to a Gateway, directly or via a Bridge, the zone becomes capable of remote status monitoring and control via SensorView software. See page 4 for the nLight sensor options.

Integrated Smart Sensor (nLight Air Wireless Platform): The RES7 sensor is nLight AIR enabled, meaning it has the ability to communicate over the wireless nLight control platform. It is available with an automatic dimming photocell, and either a digital PIR or microphonics (PDT) dual technology occupancy sensor. It pairs to other luminaires and wall switches through our mobile app, CLAIRITY+, which allows for simple sensor adjustment. See page 4 for more details on the Integrated Smart Sensor.

Integrated Wireless Sensor (single room control): Sensor Switch VERTEX JOT or JOTVTX15 luminaire-embedded occupancy and ambient light sensor allows the luminaire to power off when the space is unoccupied or when enough ambient light is entering the space. See page 8 for more details on the integrated wireless sensor.

INSTALLATION — The BLT's low profile design of only 2-3/4" provides increased installation flexibility especially in restrictive plenum applications. Designed for use in NEMA standard Type 6 (1" & 15/16"), NFG (9/16"), and SS (9/16") grid ceilings. Consult factory about other ceiling types.

For recessed mounting in hard ceiling applications, Drywall Grid Adapters (DGA) are available as an accessory. See Accessories section. Suitable for damp location.

LISTINGS — CSA Certified to meet U.S. and Canadian standards. IC rated. Tested in accordance with ISO 14644-1; suitable for ISO Class 5-9 positive and negative pressure clean rooms.

Design Lights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

BUY AMERICAN ACT — Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations. Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY — 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

NOTE: Actual performance may differ as a result of end-user environment and application.
All values are design or typical values, measured under laboratory conditions at 25 °C.
Specifications subject to change without notice.

Catalog Number
Notes
Type

BLT Series LED

BLT4

ADP Diffuser Option

1' x 4' LED

SDSM Diffuser Option

Specifications
Length: 47-3/4 (121.2)
Width: 11-3/4 (29.8)
Depth: 2-3/4 (6.9)
Depth with Air supply/return: 3-5/8 (9.2)
All dimensions are inches (centimeters) unless otherwise specified.

Static

Air Supply/Return

Embed nLight controls today. Prepare for tomorrow.

Now	Tomorrow
User-friendly install	Scalability
Enhanced energy savings	Space configuration
Code compliance	Future-ready

Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning when used with Acuity Brands controls products.
All configurations of this luminaire are calibrated and tested to meet the Acuity Brands' specifications for chromatic consistency – including color rendering, color fidelity, and color temperature tolerance around standard CIE chromaticity coordinates.

To learn more about Acuity A+ standards, specifications, and testing visit www.acuitybrands.com/aplus.

design select

Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit www.acuitybrands.com/designselect.
*See ordering tree for details

TYPE 'F'

LITHONIA LIGHTING®

FEATURES & SPECIFICATIONS

INTENDED USE — Typical applications include corridors, lobbies, conference rooms and private offices.

CONSTRUCTION — Galvanized steel mounting/plaster frame; galvanized steel junction box with bottom-hinged access covers and spring latches. Reflectors are retained by torsion springs.

Vertically adjustable mounting brackets with commercial bar hangers provide 3-3/4" total adjustment.

Two combination ½"-3/4" and four ½" knockouts for straight-through conduit runs. Capacity: 8 (4 in, 4 out). No. 12 AWG conductors, rated for 90°C.

Accommodates 12"-24" joist spacing.

Passive cooling thermal management for 25°C standard; high ambient (40°C) option available. Light engine and drivers are accessible from above or below ceiling.

Max ceiling thickness 1-1/2".

OPTICS — LEDs are binned to a 3-step MacAdam Ellipse; 80 CRI minimum. 90 CRI optional.

LED light source concealed with diffusing optical lens.

General illumination lighting with 135 lm/W and 55° cutoff to source and source image.

Self-flanged anodized reflectors in specular, semi-specular, or matte diffuse finishes. Also available in white and black painted reflectors.

A+ CAPABLE LUMINAIRE — This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning when used with Acuity Brands controls products. All configurations of this luminaire are calibrated and tested to meet the Acuity Brands' specifications for chromatic consistency – including color rendering, color fidelity and color temperature tolerance around standard CIE chromaticity coordinates. To learn more about A+ standards, specifications, and testing visit www.acuitybrands.com/aplus.

UGR — UGR is zero for fixtures aimed at nadir with a cut-off equal to or less than 60deg. per CIE 117-1996 Discomfort Glare in Interior Lighting.

ELECTRICAL — Multi-volt (120-277V, 50/60Hz) 0-10V dimming drivers mounted to junction box, 10% or 1% minimum dimming level available.

0-10V dimming fixture requires two (2) additional low-voltage wires to be pulled.

LUMEN MAINTENANCE — 70% lumen maintenance at 60,000 hours. L70/60,000 hours

LISTINGS — Certified by US and Canadian safety standards. Wet location standard (covered ceiling). IP55 rated. ENERGY STAR® certified product. Drivers are RoHS compliant

BUY AMERICAN ACT — Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations. Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY — 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application.
All values are design or typical values, measured under laboratory conditions at 25 °C.
Specifications subject to change without notice.

Catalog Number
Notes
Type

LDN6 STATIC WHITE

6" Open and Wallwash LED
Non-IC
New Construction Downlight

Open Trim

Wallwash Trim

DISTRIBUTIONS

Open

Wallwash

DIMENSIONS

LDN6 500-3000 Lumens

See page 4 for other fixture dimensions

PERFORMANCE DATA

LDN6 3500LM AR LSS 80CRI

Nominal Lumens	Lumens	Wattage	Lm/W
500	527.9	5.8	90.5
750	758.1	8.9	85.1
1000	950.1	10.4	91.0
1500	1514	17.5	86.4
2000	2006	22.5	89.1
2500	2504	28.3	88.6
3000	3021	34.8	86.9
4000	4008	44.3	90.6
5000	4975	57.7	86.3

Notes
• Tested in accordance with IESNA LM-79-08.
• Tested to current IES and NEMA standards under stabilized laboratory conditions.
• CRI: 80 typical.

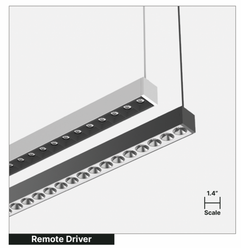
TYPE 'G6'

SPECIFICATION GUIDE

MICROSquare MCO Pendant

1.4" Low-Profile Linear LED Pendant Mount

XICO®



Features & Benefits

Exceptional Performance
Up to 1,000 lm/ft, 150 lm/W efficacy

Wide Range of LED Selections
Static, Tunable White, Dim-to-Warm, and RGBW

Designed with Options
Wide choice of SmartOptic® lenses, beam distributions, 80/90/95+ CRI, 2200K to 5000K CCT, and 0-10V, DALI, DMX, and TRIAC dimming

Patented Innovations
Fusion® Optix Inside with unique SmartBeam® capabilities

Proprietary Optical Components
Provides excellent light distribution and high-transmission

Committed to Sustainability
Declare Listed and Red Free List materials

Compliance
UL Listed, Dry and Damp Locations

5-Year Warranty
Standard 5-year warranty, 50,000 hours

Designed & Built in BOSTON

Declare™

Red List Free

AARON JOSEPH LICENSE No. 85273 STATE OF FLORIDA PROFESSIONAL ENGINEER
Digitally signed by Aaron Joseph
Date: 2025.04.01 17:18:49-04'00'

No.	Date	Issue / Revision

WGI

AARON JOSEPH, PE
PE 85273

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607
ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO

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

LUMINAIRE CUT SHEETS

DWG NO. AE-003
SHEET NO.

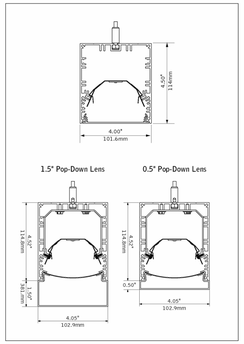
TYPE 'H8'

Seem® 4

LED

FOCAL POINT

DIMENSIONAL DATA



FEATURES

Narrow extruded aluminum 4" linear direct LED.

Individual units and continuous runs in 1' increments.

Available in flush, asymmetric, asymmetric room fill, batwing, 0.5" or 1.5" pop-down lens.

LED position and lens material optimized to provide the perfect blend of high performance and visual comfort.

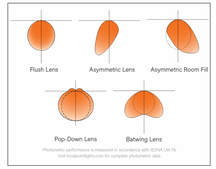
Tunable White: Supports human activity, well-being, and preferences with a light quality that evolves throughout the day.

Connected Solutions: Integrates with wired and wireless building lighting control systems.

PoE compatible: Integrates with Power over Ethernet lighting systems via standard, low-voltage wires.

Available with The Naturals, a series of finishes that exude biophilic beauty.

PERFORMANCE



Photometric performance is measured in accordance with IESNA LM-79.
Visit focalpointlights.com for complete photometric data.

A brand of legrand®

Focal Point LLC | 4141 S. Pulaski Rd, Chicago, IL 60632 | 773.247.9494 | focalpointlights.com

October 2023 AY

TYPE 'K'

Date: _____ Customer: _____

Project: _____

Type: _____ Qty: _____

selux

MTR Square Column LED

Order Code: MTRGL - ____ - ____ - ____ - ____ - ____ - ____ - ____ - ____ - ____

MTRGL	Series	MTRGL MTR Square Column LED						
	Nominal Overall Height	10' 10'	12' 12'	14' 14'	16' 16'			See page 3 for details.
	Nominal Height of Lit Section	2' 2'	3' 3'	4' 4'				See page 8 for details.
	Light Engine	1B30	2B30	3B30	4B30			
	CCT	27 2700K	30 3000K	35 3500K	40 4000K			
	Finish	WH White	BK Black	BL Semi-Matte Black	BZ Bronze	SV Silver	SP Specify Premium Color	
	Voltage	UNV 120V-277V	120 120V	240 240V	277 277V	347[1] 347V	480[1] 480V	*Step down transformer provided. See page 6 for details.
	Options	DM4 Dimming (0-10V)	HLSG1* HiLo Switching Low Output 50%	REC[2] USB Receptacle wall/surface	REC[2] GFCI Receptacle wall/surface	REC[3] USB & Duplex Receptacle wall/surface	REC4[2] USB & Duplex Receptacle wall/surface pedicllable in-use cover	MS* Motion Sensor See Table 36 for Requirements See page 6 for Order Code

*120V, 240V and 277V only.
[1] 347V and 480V see page 4 for details.
[2] DA, HLSL or HS Only. Cannot be combined.

Product Modifications

Please list modification requirements for review by factory.

Approvals

Date:

TYPE 'L10' AND 'L12'

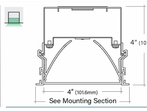
PINNACLE ARCHITECTURAL LIGHTING®

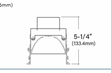
Project Name _____

Date _____ Type _____

EDGE EV4D

4" Recessed Linear





Key Features

- Extruded aluminum trim with formed cold rolled 18 gauge steel back box housing
- Highly reflective white painted steel reflector
- 5-year limited warranty covers LED, driver and fixture
- ETL Listed conforming to UL1598 in US and CSA 250 in Canada
- Approved for dry/damp location unless otherwise noted
- Maximum fixture weight is 16lbs per 4ft fixture
- Room-Side Maintenance for LED system
- Buy American Act compliant
- Indigo-Clean available, see Indigo-Clean specification sheets for details

Example Part #: EV4D-HE-830MD-26'-GI1-U-OL2-1-0-W

EV4D - ____ - ____ - ____ - ____ - ____ - ____ - ____ - ____ - ____ - ____

SHIELDING - SOURCE - LENGTH OR PATTERN - MOUNTING - VOLTAGE - DRIVER - CIRCUITING - BATTERY & EMERGENCY - FINISH - FIXTURE OPTIONS - CONTROLS

SHIELDING	SOURCE[1]	LENGTH OR PATTERN[1]	MOUNTING[2]
A - Satine Lens *Shielding pg. 2*	**27** _ _ - 2700K	_ _ - Individual Fixture *Length and Pattern pg. 3-4*	**GI -** 1" (9/16") T Bar *Mounting pg. 5*
HE - High Efficiency Lens	**30** _ _ - 3000K	_ _ _ _ - Continuous Row	**G9 -** 9/16" T Bar
HED - Descent Lens	**35** _ _ - 3500K *(available as BIOS)*	**L** _ _ - L Shape	**GB -** 9/16" Bevel T Bar
BW - Batwing	**40** _ _ - 4000K *(available as BIOS)*	**R** _ _ - Rectangle	**GS -** Screw Slot T Bar
WHE - Asymmetric	**CL** _ _ _ _ - Custom Lumens	**S** _ _ - Square	**FL -** 1/2" Flange
AL - Drop Lens	**CW** _ _ _ _ - Custom Watts	**U** _ _ - U Shape	**NF -** Non Flange
H - Arched Regress Lens	**MOD** - Mod options available	**T** _ _ - T Shape	**SF -** Spackle Flange
R - Regress Lens *Shielding pg. 2*	*Lumen Output pg. 2-3*	**X** _ _ x _ _ - X Shape	**MOD** - Mod options available *Mounting pg. 5*
		WC _ _ - Wall to Ceiling	
		MOD - Mod options available *Length and Pattern pg. 3-4*	

VOLTAGE	DRIVER	CIRCUITING	BATTERY & EMERGENCY[4]
U - Universal *(120 thru 277V)*	**FSD** - Factory Select Driver *(1%, 0-10V)*	**1** - Single Circuit	**0** - None
1 - 120V	**PLZ** - Advance Xitanium *(1%, 0-10V)*	**M** - Multi Circuit	**FSB** - Factory Select Battery
2 - 277V	**OL2** - eldoLED Optotronic *(1%, 0-10V)*	**E** - Emergency *(centre fixture)*	**FSG** - Factory Select ALCR
3 - 347V *Voltage pg. 5*	**OL4** - eldoLED Optotronic 347V *(1%, 0-10V)*	*Circuiting pg. 6*	**GI** - Iota ETS DB
	ES1 - eldoLED ECOdrive *(1%, 0-10v)*	**N** - Night Light *(centre fixture)*	**GB** - Bodine GTD
	ES2 - eldoLED SOLOdrive *(0.1%, 0-10v)*		**IC** - Iota 10W (CEC Listed)
	LHL - Lutron Hi-lume *(1%, EcoSystem)*		**P** - Bodine 10W
	PRL - Advance Xitanium SR		**E** - Emergency Circuit Section
	MOD - Mod options available *Driver pg. 6*		**N** - Night Light Circuit Section
			_L - Life Safety Circuit Section
			Battery and Emergency pg. 6-7

FINISH	FIXTURE OPTIONS[5]	CONTROLS[6]
W - White	**QS** - Quick Ship	**DLMFC** - Wattstopper DLM *(wired)*
S - Metallic Silver	**CP** - Chicago Plenum	**DLMFS** - Wattstopper LLLC *(wireless)*
BL - Textured Black	**FIL** - Field Cut Illuminated Extension	**EASYS** - Philips EasySense *(wireless)*
BR - Bronze	**RC** - Rotating Crossbar	**SNSLM** - Encelium Sensilum *(wireless)*
GR - Graphite	**GLR** - Internal Fast Blow Fuse	**WYLX** - Eaton Wavelinx *(wireless)*
CC - Custom Color *Finish pg. 7*	**DSP** - Customer Supplied Battery/Driver/Sensor	**VDO** - Lutron Vive Sensor *(wireless)*
	MOD - Mod options available	**VRF** - Lutron Vive Connected *(wireless)*
	FWG - 6' Flex Whip *Fixture Options pg. 7*	**ENL** - Enlighted *(wireless)*
		MOD - Mod options available *Controls pg. 8*

1. When specifying SOURCE the first _ is for specifying either 8 - 80CRI or 9 - 90CRI. The ending _ _ are for specifying output, example HO - High Output. If specifying QS output is 80 CRI, all color temperatures, all lumen packages. Does not include Tunable White. See output charts for more information. 2. Individual fixtures come in 2', 3', 4', 5', 6', 7' & 8' lengths. Continuous row come in 1/0" increments. For Patterns specify pattern shape and overall dimensions. Example: L6wx 1, pattern that is 6"x6"L Specify mounting for individual or continuous length: GI, G9, GS, FL, NF & SF for continuous rows, GI10, G9G, G10, FLF, NFN & SFS for individual lengths. 4. Enter quantity for Battery and Emergency. Example 1P. 5. QS must be used in fixture options section of part number to qualify. LMRA option only available with 120v 6Controls can only be used with Single Circuit (1) or Emergency Circuit (E). See Controls chart on page 6 for driver options and more information.

Specifications and dimensions subject to change without notice. Specification sheets that appear on pinnacle-ltg.com are the most recent version and supersede all other previously printed or electronic versions.

Designed in Denver, CO • USA | pinnacle-ltg.com | O: 303-322-5570

 A brand of legrand®

TYPE 'M'

HYDREL

CATALOG NUMBER

NOTES

TYPE

M9400C

In-Grade Luminaire

Specifications	SINGLE LENS	DOUBLE LENS
Length:	9"	9"
	229 mm	229 mm
Width:	9"	9"
	229 mm	229 mm
Height:	16"	14"
	407 mm	407 mm
Weight:	21lbs	23lbs

Weight is based on aluminum material.
For B and SS material add 2lbs.

HIGHLIGHTS

- Factory-sealed LED lamp module and encapsulated power module
- Optical and mechanical aiming with an optional double lens
- Optimal efficiency through photometric improvements
- Color temperature: 27K - 50K
- In-line & 0-10V Dimming
- Seven distributions including very narrow spot & wall wash
- Flow-through technology
- IK09 (IK10 option available)

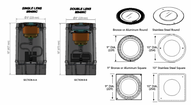
5 YEAR WARRANTY

LED

IP68

BAA

DIMENSIONS

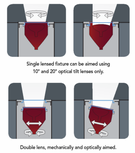


LUMEN PACKAGES

	VNSP	NSP	NFL	MFL	FL	WFL	WWD
Delivered Lumens	2,425	2,327	2,426	2,154	2,254	1,955	1,550
Watts	20	20	20	20	20	20	20
LPW	119	128	123	109	114	99	78
Peak Candela	22,634	15,940	14,728	3,364	2,097	1,423	1,729

Note: Information based on 4000K @ P2 Performance Package - Single lens (MM410C and MM430C)

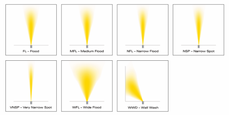
AIMING DETAILS



Single lensed fixture can be aimed using 15° and 25° optical tilt lenses only.

Double lens, mechanically and optically aimed.

STANDARD DISTRIBUTION



TYPE 'N8'

MARK ARCHITECTURAL LIGHTING

SPECIFICATIONS TYPE:

PROJECT:

SLOT 1

RECESSED
POWERED BY MODULUS™

HIGHLIGHTS

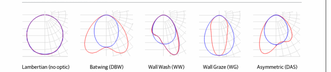
- 200 to 1000 lumens per foot
- Up to 117 Lumens per Watt
- Flush or regressed lens
- Five distributions; Lambertian, Batwing, Wall Wash, Wall Graze or Asymmetric
- Multiple lens treatment options include drop and edge view
- Shielding provided by integrated deep cell quiet ceiling baffle
- Powered and controlled by Modulus Remote Driver kit that combines all power and control system inputs into a single feed cord
- Flicker free dimming to dark (0.01%) enabled by Modulus power and control architecture with integrated digital nLight® module for system networking
- Total System Integration features 5-year limited warranty by Acuity Brands, covers all components and construction
- UGR data available on Page 3

FIXTURE PERFORMANCE

Nominal Lumens/Foot	200LMF	400LMF	600LMF	800LMF	1000LMF
Delivered Lumens/Foot	240	370	550	750	935
Input Watts/Foot*	2.06	3.27	5.08	7.27	9.45
Lumen/Watt	117	113	108	103	99

Based on a 4ft 35K fixture with standard lambertian distribution
**See Modulus power and control driven kit details for wattage consumption.*

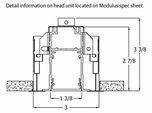
DIRECT DISTRIBUTION



DIMENSIONS

Section View

Detail information on head unit located on Modulus spec sheet.



DIFFUSERS/SHIELDING

AcuityBrands

SLSL RECESSED 02/14/23

No.	Date	Issue / Revision

AARON JOSEPH, PE
PE 85273

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607
ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO

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

LIGHTING CUT SHEETS

DWG NO. AE-004

SHEET NO.

TYPE 'R3', 'R4', AND 'R6'

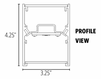
OCL ARCHITECTURAL LIGHTING

PROJECT NAME: _____ TYPE: _____

QTY: _____

Solo™

PENDANT/CEILING



PROFILE VIEW

FEATURES

- SINGLE DIRECTION ILLUMINATION WITH FULLY ENCLOSED TOP SURFACE
- AVAILABLE IN 80+ CRI AND 90+ CRI (R9>50)
- FIXTURES CAN BE CLUSTERED TOGETHER TO CREATE LARGE SCALE INSTALLATIONS
- CUSTOMIZABLE SIZES AND SHAPES
- THICK WALL ALUMINUM EXTRUSION WITH MINIMAL FIXTURE CROSS SECTION SIZE
- INTEGRAL DRIVERS

Declare. bios

CATALOG CODES

SL1	-		-		-	MW	-		-		/		-	UNV	-		-		-		-	
SERIES		HANGING SYSTEM		SIZE		DIFFUSER		FINISH		LIGHT SOURCE		VOLTAGE		OAH		CONTROL		OPTIONS				

SPECIFY CATALOG CODE

A	B		C	D	E	
SERIES	**HANGING SYSTEM**		**SIZE**	**DIFFUSER**	**FINISH***	
SL1 SOLID	**PSEM**	PENDANT WITH VERTICAL AIRCRAFT CABLES TO SEPARATE MOUNTING POINTS AND POWER CORD TO CANOPY	**24**	**MW** MATTE WHITE	**POWER COAT FINISHES**	
			36		**BKP** BLACK	**MWP** MATTE WHITE
	PSEE	PENDANT WITH ANGLED AIRCRAFT CABLES AND POWER CORD TO COLLECTOR THEN SINGLE CENTER STEM TO CANOPY. **(NOTE:** FREE ONLY AVAILABLE ON 72" SIZE AND SMALLER)	**48**		**BMP** BRASS METALLIC	**SGP** STEEL GRAY
			60		**BNP** BRONZE	**SMP** SILVER METALLIC
			72		**BTP** BLACK TEXTURED	**SWP** SKY WHITE
			96		**GRP** GRAPHITE	**WTP** WHITE TEXTURED
		NOTE: FOR **PSEM** AND **PSEE**, POWER CORD WHITE UNLESS SPECIFIED	**120**		**GLP** GOLDTASTIC	
	CWA	SURFACE CEILING MOUNT			**PREMIUM METAL FINISHES**	
					BAL BRUSHED ALUMINUM	

F			G	H	I	J
LIGHT SOURCE			**VOLTAGE**	**OAH***	**CONTROL**	**OPTIONS**
LED OUTPUT	**COLOR TEMP** (80+ CRI)	**COLOR TEMP** (90+ CRI)	**UNV** 120-277	**48**	**DM1** 0-10V DIMMING 1%	**ULD** DAMP LABEL
LED1	**27K**	**927K**		**100**		**BIOS** BIOS SKYBLUE™ OR BIOS SKYBLUE™ DYNAMIC LIGHT ENGINE**
LED2	**30K**	**930K**		**144**		
	35K	**935K**		**FOR PSEE:** SPECIFY IN INCHES		**MOD** MODIFIED LUMINAIRE (CONTACT LOCAL REP)
	40K	**940K**		**NOTE:** LEAVE BLANK WITH **CWA**		

SAMPLE CODE: SL1-PSEM-24-MW-WTP-LED1/35K-UNV-48-DM1

*For Minimum OAH, see hanging systems details. PSEM will ship with one of three standard OAH's (48", 100" or 144") field adjustable to the desired height.

Contact factory for **BIOS SkyBlue™ or **BIOS SkyBlue™ Dynamic** light engine and control options.

Fixtures with PSEM hanging system, canopy will be MWP unless specified.

Fixtures with PSEE hanging system, canopy will match finish choice.

UP TO 86 LM/W

LUMENS AND WATTAGE CHART

		24"	36"	48"	60"	72"	96"	120"
LED1	LUMENS DELIVERED	4300	7740	10320	12900	15480	21500	26660
	SYSTEM WATTAGE	50	90	120	150	180	250	310
LED2	LUMENS DELIVERED	5160	9300	13760	17200	18920	28380	35690
	SYSTEM WATTAGE	60	120	160	200	220	330	415

This chart was created for a 35K color temp. Multiply by 0.95 for 27k color temp, 0.97 for 30k color temp, and 1.03 for 40k color temp. Wattage and lumen data approx. pending LM-79 testing.

Values shown for 80+ CRI. For 90+ CRI lumens use 0.85 multiplier.

MODS, NOTES, & COMMENTS

TYPE 'SA', 'SB'

Date: _____ Customer: _____

Project: _____

Type: _____ Qty: _____

selux

Arca LED Gen5

Order Code: ACL _____ _____ _____ _____ _____ _____ _____ _____ _____

Pole Order Code:

	Series	Height	Finish	RN Rivnut Pairs	Options	Rivnut Locations (see page 4)		
ACL								

Series	ACL Arca LED						
Optics	R1 Type I	R2 Type II	R3 Type III	R4 Type IV	R5R Type V (Round)	R5S Type V (Square)	
Mounting	S1 Single	S2 Double	SBX[1] Extreme Mount	W Wall Mount			[1]Max 4 heads (SB4).
Light Engine	5G1350 Single LED 24W/2520lm	5G1530 Single LED 36W/3540lm	5G1800 Single LED 54W/5346lm	5G2350[2] Double LED 48W/5040lm	5G2550[2] Double LED 69W/7579lm	5G2800[2] Double LED 100lm/9900lm	* Based on R1 distribution and 3000K CCT. [2]Only available with SI and S2 mounting.
CCT	27[3,4] 2700K	30[3] 3000K	35* 3500K	40 4000K	50* 5000K		[3]2700K and 3000K DrimSky approved. * Consult factory for lead time.
Finish	WH White	BK Black	BL Semi-Matte Black	BZ Bronze	SV Silver	SP Specify Premium Color	
Voltage	UNV 120V-277V	120 120V	240 240V	277 277V	347[4,5] 347V	480[4,5] 480V	[4]Max 5 heads (SB3). 5G1350, 5G1530, 5G1800, 5G2350 come with step-down transformer in hand hole. [5]5G2550 come with stepdown transformer in hand hole.
Options	DM[2] Dimming (0-10V)	HS[6] House Side Shield	TLR[7] Twist Lock Receptacle 7-Pin with Shorting cap	TLRP[8] Twist Lock Receptacle with Photocell	MS[9] Motion Sensor (Meets Title 24 Requirements) See page 6 for Order Code		* Type I, II, III, and IV only [2]DM, TLR, or MS only. Cannot be combined TLR, TLRP or MS only. Cannot be combined.

Product Modifications

Please list modification requirements for review by factory:

Approvals

Date:

TYPE 'X'

LITHONIA LIGHTING®

Catalog Number

Notes

Type

FEATURES & SPECIFICATIONS

INTENDED USE — Suitable for applications requiring attractive edge-lit exit signage, universal installation and low energy consumption.

CONSTRUCTION — Extruded brushed aluminum finish.

Clear acrylic panels- letters measure 6" high with 3/4" stroke, with 100 ft viewing distance rating, based upon UL 924 standard.

For single-face clear panels, EXIT is seen as a reversed image from the back.

OPTICS — LEDs mounted on printed circuit board. The typical life of the exit LED lamp is 5 years, based on 24/7 operation.

The LED operating frequency is 120Hz.

ELECTRICAL — Dual voltage input capacity (120/277V).

Battery: (EL Option) – Sealed, maintenance free nickel-cadmium battery delivers 90 minutes capacity to emergency lamps. Test switch provides manual activation of 30-second diagnostic testing for on-demand visual inspection.

Self-diagnostic testing (EL Option Only) for 30 seconds every 30 days and 90 minutes annually. Diagnostic evaluation of LED light source, AC to DC transfer, charging and battery condition.

INSTALLATION — EDG – Universal mounting canopy for top or end mount. Back mount standard for single face only. Canopy provided.

EDGR – Recessed mounting. Bar hanger and brackets provided for both new or restricted ceiling access installation applications. Available for use in drop ceiling applications. Back wall mount (WM) option.

Universal directional indicators. Field selected and attached.

LISTINGS — UL damp location listed 32°-122°F (0°-50°C) standard. Meets UL924, NFPA 101 (current Life Safety Code), NEC and OSHA illumination standards. Meets all applicable FCC Title 47, Part 15, Subpart B requirements.

BUY AMERICAN ACT — Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations.
Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY — 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

NOTE Actual performance may differ as a result of end-user environment and application.
All values are design or typical values, measured under laboratory conditions at 25 °C.
Specifications subject to change without notice.

† Exit Signs Certified in the CA Title 20 Appliance Efficiency Database.

LED Edge-Lit Exits

EDG
EDGR

LED Lamps

EDG (surface mount)

EDGR (recessed mount)

Specifications

EDG (End Mount)	EDG (Top Mount)
Length: 11 (33.0)	Length: 11 5/8 (34.6)
Depth: 5-1/2 (14.0)	Depth: 4-5/16 (11.0)
Height: 11-1/8 (28.3)	Height: 11-1/4 (29.0)
Shipping Weight: 4 lbs (1.8 kgs)	Shipping Weight: 4 lbs (1.8 kgs)
EDG (Back Mount)	**EDGR**
Length: 11 (33.0)	Length: 11 (33.0)
Depth: 3 (7.6)	Depth: 3-3/4 (4.4)
Height: 11-1/8 (28.3)	Height: 4 (26.3)
Shipping Weight: 4 lbs (1.8 kgs)	Shipping Weight: 4.0 lbs (1.3 kgs)
	Shipping Weight (WM option): 8.1 lbs (3.7 kgs)

All dimensions are inches (centimeters) unless otherwise noted.

dls design select

Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit www.acuitybrands.com/designselect.

**See ordering tree for details

dls Design Select options indicated by this color background.

ORDERING INFORMATION For shortest lead times, configure products using **bolded options.** **Example:** EDG 1 R EL

Family	Housing color	Number of faces	Letter color		Operations	Options
EDG Surface mount LED edge-lit exit	**(blank)** Brushed aluminum	**1** Single face	**R** Red on clear (single face only)[1]	**RMR** Red on mirror[1]	**(blank)** AC only	**(blank)** None
EDGR Recessed LED edge-lit exit	**W** White	**2** Double face	**G** Green on clear (single face only)[1]	**GMR** Green on mirror[1]	**EL** Nickel-cadmium battery	**WM** Recessed wall mount[2]
				RW Red on white[1]	**X2** Lamp wired on two separate AC circuits (specify 120V or 277V)[3]	**BAA** Buy America(n) Act Compliant
				GW Green on white[1]	**SD** Self-diagnostics[4]	

Accessories: Order as separate item.	
ELA U512	12" stem kit with brushed aluminum canopy[8]
ELA W U512	12" stem kit with white canopy[8]
ELA WG1	Wireguard (13 3/4"W x 15 1/4"H x 6" D, back mount only)

Notes
1 For single-face clear panels, EXIT is seen as a reversed image from the back.
2 Available with single and double face.
3 White panel standard for double and single face.
4 Both circuits can be energized at the same time.
5 Not available with EL and SD options.
6 Available with EL option only.
7 Available on EDGR single face only.
8 See spec sheet ELA-StemKits. Only available for EDG.

AARON JOSEPH LICENSE No. 85273 Digitally signed by Aaron Joseph Date: 2025.04.01 17:19:05-04'00' STATE OF FLORIDA PROFESSIONAL ENGINEER

No.	Date	Issue / Revision

WGI

AARON JOSEPH, PE
PE 85273

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607
ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO

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

LUMINAIRE CUT SHEETS

DWG NO. AE-005

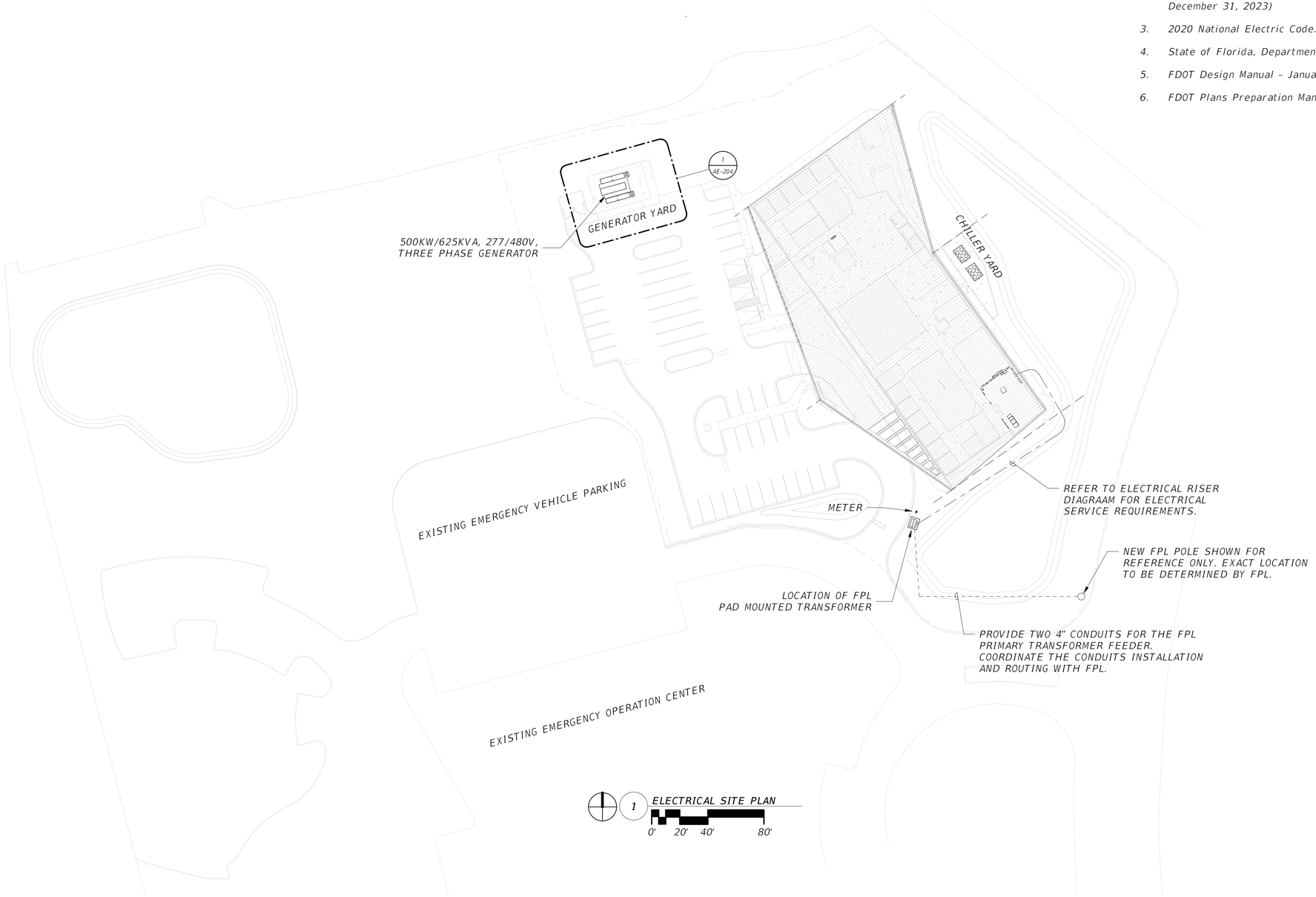
SHEET NO.

4/1/2025 4:45:58 PM

APPLICABLE CODES, GUIDELINES AND STANDARDS

The electrical systems will be designed in accordance with the following codes, guidelines and standards.

1. *Florida Building Code (FBC) 8th Edition (2023) (Effective December 31, 2023): This code includes the 2023 FBC Building, Mechanical, Plumbing, Energy Conservation, Fuel Gas, Accessibility, and Test Protocols volumes. Further, see "Referenced Standards" in the FBC Building Chapter 35; FBC Mechanical Chapter 15; FBC Plumbing Chapter 15; FBC Energy Conservation Chapter 6; and FBC Fuel Gas Chapter 8).*
2. *8th Edition of the Florida Fire Prevention Code (FFPC): This code also includes the Florida versions of NFPA 1 and NFPA 101. (Effective December 31, 2023)*
3. *2020 National Electric Code.*
4. *State of Florida, Department of Environmental Regulation Rules.*
5. *FDOT Design Manual – January 1, 2017*
6. *FDOT Plans Preparation Manual – January 1, 2017*



1 ELECTRICAL SITE PLAN

0' 20' 40' 80'

AARON JOSEPH LICENSE No. 85273 STATE OF FLORIDA PROFESSIONAL ENGINEER
Digitally signed by Aaron Joseph
Date: 2025.04.01 17:19:14-04'00'

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.
GENERAL DISCLAIMER: TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH FBC 110.8.4.4 AND CHAPTER 63, FLORIDA STATUES.

No.	Date	Issue / Revision

AARON JOSEPH, PE
PE 85273

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607
ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO

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

ELECTRICAL SITE PLAN

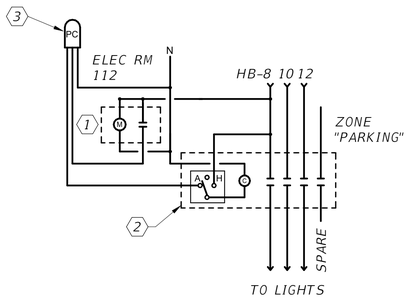
DWG NO. AE-006

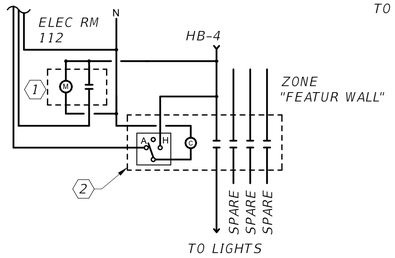
SHEET NO.

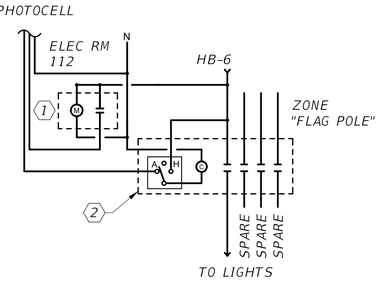
Autodesk Docs://9345.00 ECRC/9345.00 Escambia ECRC WGIMEPFP R24.rvt

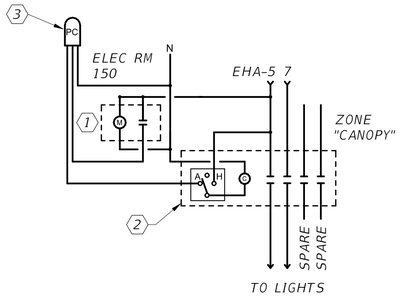
DIAGRAM NOTES

1. 7-DAY, ASTRONOMICAL DIGITAL TIME CLOCK FOR EXTERIOR LIGHTING. 277V, SINGLE POLE, DOUBLE THROW WITH BATTERY BACKUP. TORK EWZ201 OR APPROVED EQUIVALENT. CIRCUIT TIME CLOCK MOTOR TO ON THE UNSWITCHED LEG OF THE LIGHTING CIRCUIT.
2. ELECTRICALLY OPERATED, ELECTRICALLY HELD LIGHTING CONTACTOR FOR LIGHTING CONTROL, 30A, 480V. RATED CONTACTS, 4 POLE, WITH A 277V, COIL, NEMA 1 ENCLOSURE, SQUARE D CLASS 8903 TYPE LG OR EQUAL.
3. PROVIDE PHOTOCELL FOR OVER-RIDE. MOUNT PHOTOELECTRIC CELL INCONSPICUOUSLY ON THE WALL FACING NORTH. COORDINATE EXACT LOCATION AND MOUNTING IN THE FIELD FOR MAXIMUM PERFORMANCE.



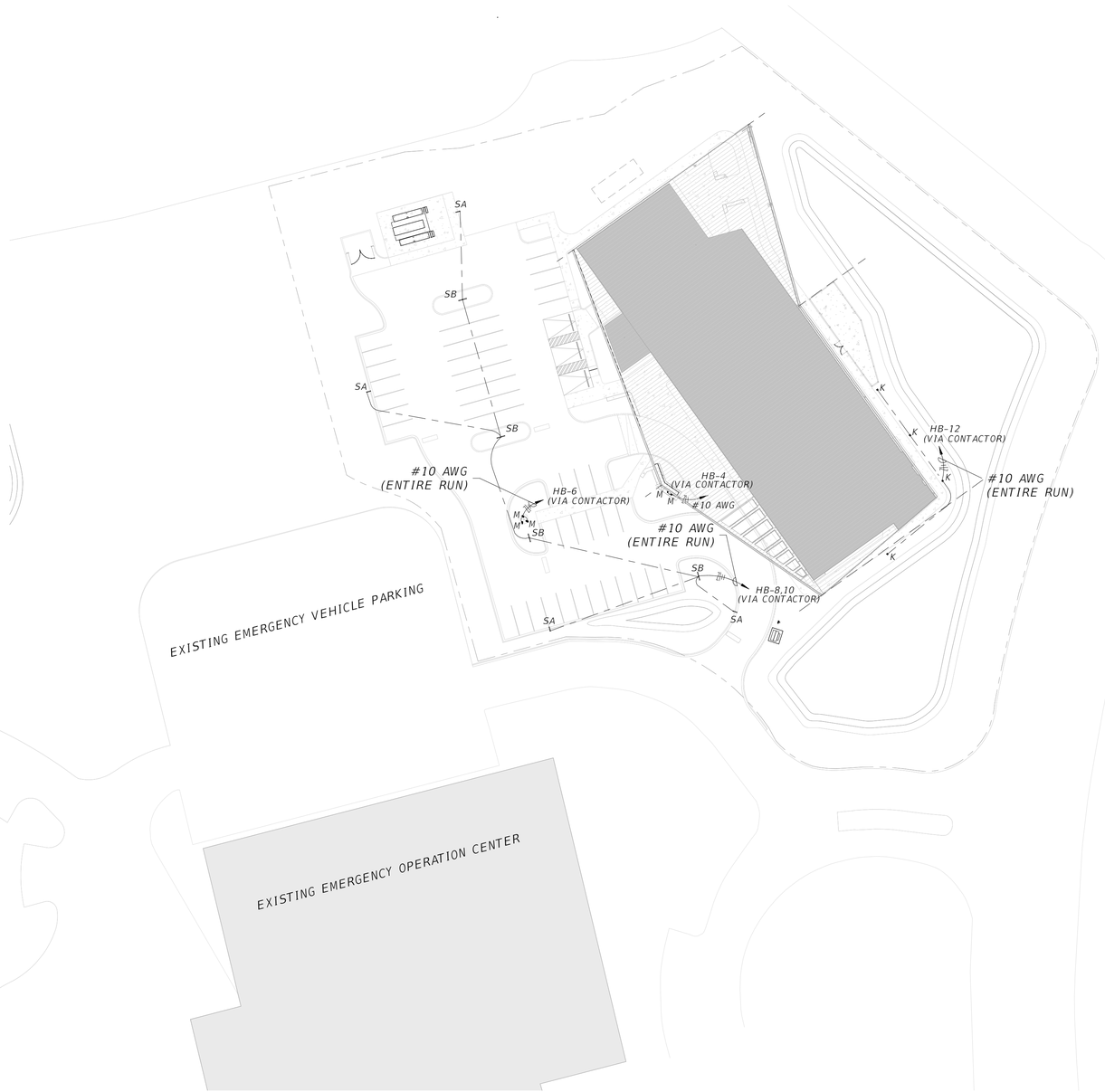






EXTERIOR LIGHTING CONTROL DIAGRAMS

NOT TO SCALE



1 LIGHTING SITE PLAN

0' 20' 40' 80'

AARON JOSEPH LICENSE No. 85273 Digitally signed by Aaron Joseph Date: 2025.04.01 17:19:22-04'00' STATE OF FLORIDA PROFESSIONAL ENGINEER

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.
GENERAL DISCLAIMER: TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH FBC 110.8.4.4 AND CHAPTER 63, FLORIDA STATUES.

No.	Date	Issue / Revision

AARON JOSEPH, PE
PE 85273

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607
ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO

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

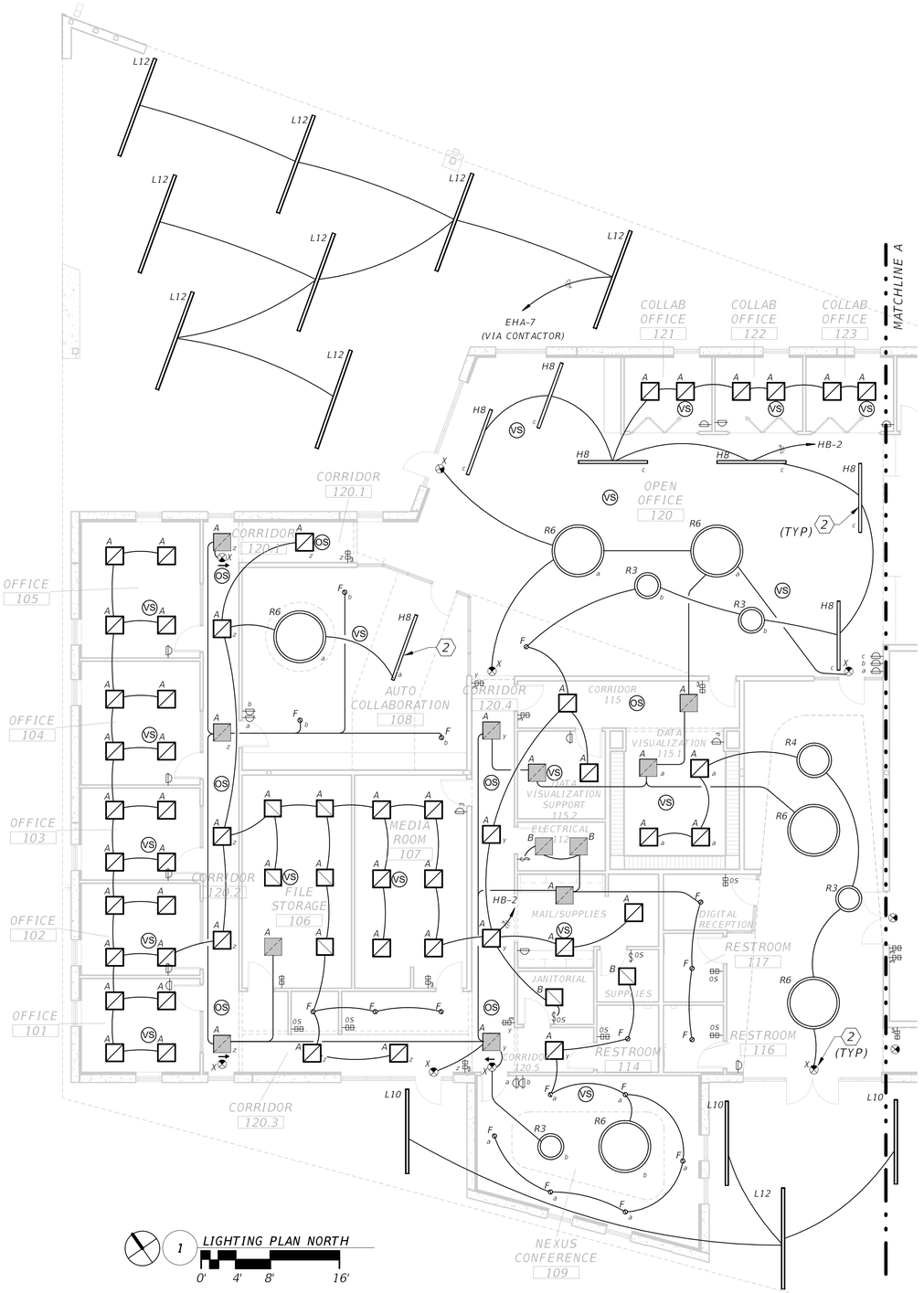
LIGHTING SITE PLAN

DWG NO. AE-007

SHEET NO.

DRAWING NOTES:

1. EXIT LIGHTS SHALL BE CONNECTED TO LOCAL LIGHTING CIRCUIT BUT SHALL NOT BE SWITCHED.
2. ALIGN BOTTOM OF LUMINAIRE TYPE 'H8' WITH THE BOTTOM OF THE BAFFLE.



1 LIGHTING PLAN NORTH

0' 4' 8' 16'

No.	Date	Issue / Revision

AARON JOSEPH, PE
PE 85273

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607
ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO

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

LIGHTING PLAN NORTH

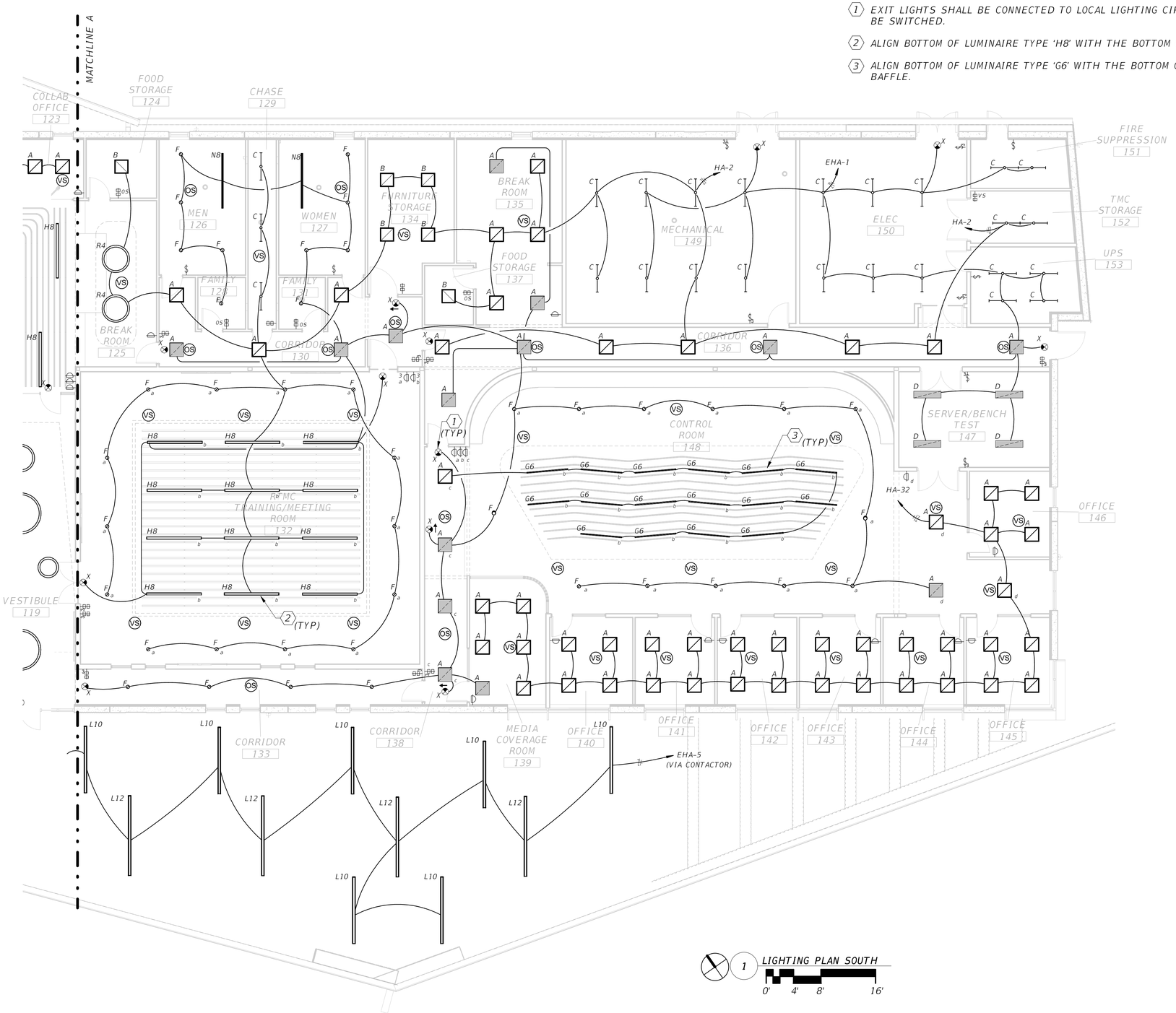
DWG NO. AE-101

SHEET NO.

4/1/2025 4:46:07 PM

DRAWING NOTES:

1. EXIT LIGHTS SHALL BE CONNECTED TO LOCAL LIGHTING CIRCUIT BUT SHALL NOT BE SWITCHED.
2. ALIGN BOTTOM OF LUMINAIRE TYPE 'H8' WITH THE BOTTOM OF THE BAFFLE.
3. ALIGN BOTTOM OF LUMINAIRE TYPE 'G6' WITH THE BOTTOM OF THE NEXT LOWER BAFFLE.



1 LIGHTING PLAN SOUTH

0' 4' 8' 16'

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.
GENERAL DISCLAIMER: TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH FBC 110.8.4.4 AND CHAPTER 63, FLORIDA STATUES.

AARON JOSEPH LICENSE No. 85273 STATE OF FLORIDA PROFESSIONAL ENGINEER
Digitally signed by Aaron Joseph
Date: 2025.04.01 17:19:39-04'00'

No.	Date	Issue / Revision

WGI

AARON JOSEPH, PE
PE 85273

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607
ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO

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

LIGHTING PLAN SOUTH

DWG NO. AE-102

SHEET NO.

Autodesk Docs://9345.00 ECRC/9345.00 Escambia ECRC WGIMEPFP R24.rvt

4/1/2025 4:46:09 PM

NOTE:
REFER TO SPECIFICATION 260923 FOR MORE REQUIREMENTS. LIGHTING CONTROL SYSTEM SHALL BE SEAMLESSLY INTEGRATED INTO AND BE SUBSERVIENT TO THE MASTER BUILDING CONTROLS SYSTEM. THE MASTER SYSTEM WILL HAVE OTHER SUBSERVIENT SYSTEMS INTEGRATED INTO IT. THE MASTER SYSTEM IS SPECIFIED IN SECTION 281300 ACCESS CONTROL SOFTWARE AND DATABASE MANAGEMENT.

1 LIGHTING CONTROLS PLAN NORTH
0' 4' 8' 16'

LIGHTING CONTROL PRODUCT LEGEND

SYMBOL	DESCRIPTION
sXA PDT	WSXA PDT XX Wall Switch Sensor, Passive Dual Technology
sXA PDT SA	WSXA PDT SA XX Wall Switch Sensor, Passive Dual Technology, Vacancy (default) or Auto-On
n BRG 8KIT	BG1 NBRG 8 KIT nLight Bridge, 8 ports, Kit
ETS 20DR	NPP16 ER EFP SAETS20 DR HITEMP M20 Emergency Control Device, 0-10V Dimming Relays
nPOD MA	NPODMA XX nLight Wired Aesthetic Wallpod
nPOD MADX	NPODMA DX XX nLight Wired Aesthetic Wallpod, Raise/Lower Dimming Without Wires
nCP 10	NCM PDT 10 RJB Low Voltage Ceiling Mount Sensor, Passive Dual Technology, Large Motion / Extended Range 360° Lens, Rear RJ-45 Ports
nCP 9	NCM PDT 9 RJB Low Voltage Ceiling Mount Sensor, Passive Dual Technology, Small Motion / Standard Range 360° Lens, Rear RJ-45 Ports
nP 16	NPP16 EFP Power/Relay Pack, External Fault Protection
nP 16 ER SA	NPP16 ER EFP SA Power/Relay Pack, UL924 Emergency Operation, External Fault Protection, Vacancy (default) or Auto-On
nP 16 SA	NPP16 EFP SA Power/Relay Pack, External Fault Protection, Vacancy (default) or Auto-On
nP 16D	NPP16 D EFP Power/Relay Pack, Occupancy Controlled Dimming, External Fault Protection
nP 16D ER	NPP16 D ER EFP Power/Relay Pack, Occupancy Controlled Dimming, UL924 Emergency Operation, External Fault Protection
nP 16D ER SA	NPP16 D ER EFP SA Power/Relay Pack, Occupancy Controlled Dimming, UL924 Emergency Operation, External Fault Protection, Vacancy (default) or Auto-On
nP 16D SA	NPP16 D EFP SA Power/Relay Pack, Occupancy Controlled Dimming, External Fault Protection, Vacancy (default) or Auto-On
nECY BAC	NECY MVOLT BAC ENC nLight Eclypse, 120-277v, BACnet Enclosure for nLight ECLYPSE

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.
GENERAL DISCLAIMER: TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH FBC 110.8.4.4 AND CHAPTER 63, FLORIDA STATUES.

AARON JOSEPH LICENSE No. 85273 Digitally signed by Aaron Joseph Date: 2025.04.01 17:19:47-04'00' STATE OF FLORIDA PROFESSIONAL ENGINEER

No.	Date	Issue / Revision

AARON JOSEPH, PE
PE 85273

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607
ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO

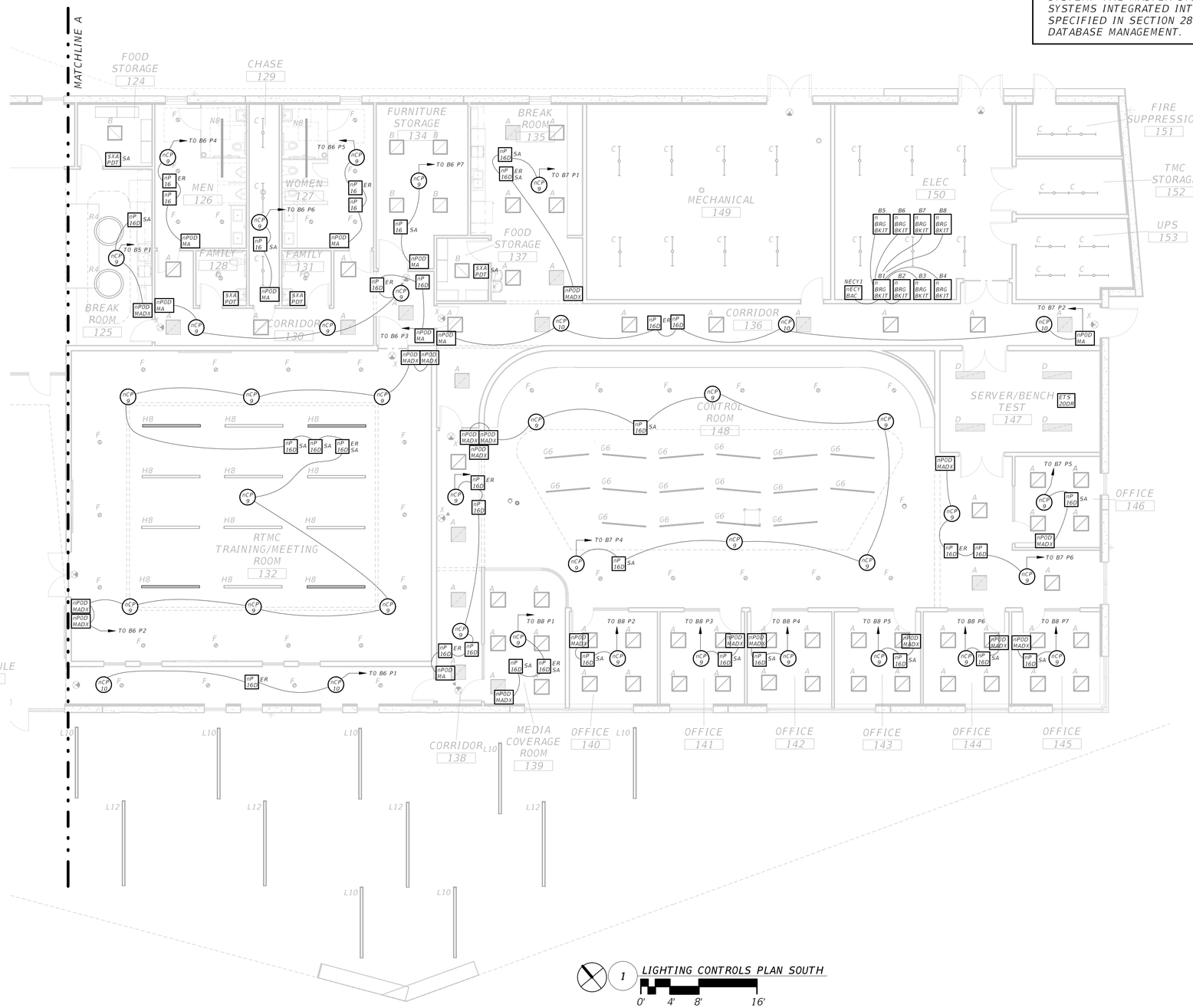
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

LIGHTING CONTROLS PLAN NORTH

DWG NO. AE-103
SHEET NO.

Autodesk Docs://9345.00 ECRC/9345.00 Escambia ECRC WGIMEPFP R24.rvt

NOTE:
REFER TO SPECIFICATION 260923 FOR MORE REQUIREMENTS. LIGHTING CONTROL SYSTEM SHALL BE SEAMLESSLY INTEGRATED INTO AND BE SUBSERVIENT TO THE MASTER BUILDING CONTROLS SYSTEM. THE MASTER SYSTEM WILL HAVE OTHER SUBSERVIENT SYSTEMS INTEGRATED INTO IT. THE MASTER SYSTEM IS SPECIFIED IN SECTION 281300 ACCESS CONTROL SOFTWARE AND DATABASE MANAGEMENT.



1 LIGHTING CONTROLS PLAN SOUTH

0' 4' 8' 16'

No.	Date	Issue / Revision

AARON JOSEPH, PE
PE 85273

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607
ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO

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

LIGHTING CONTROLS PLAN SOUTH

DWG NO. AE-104

SHEET NO.

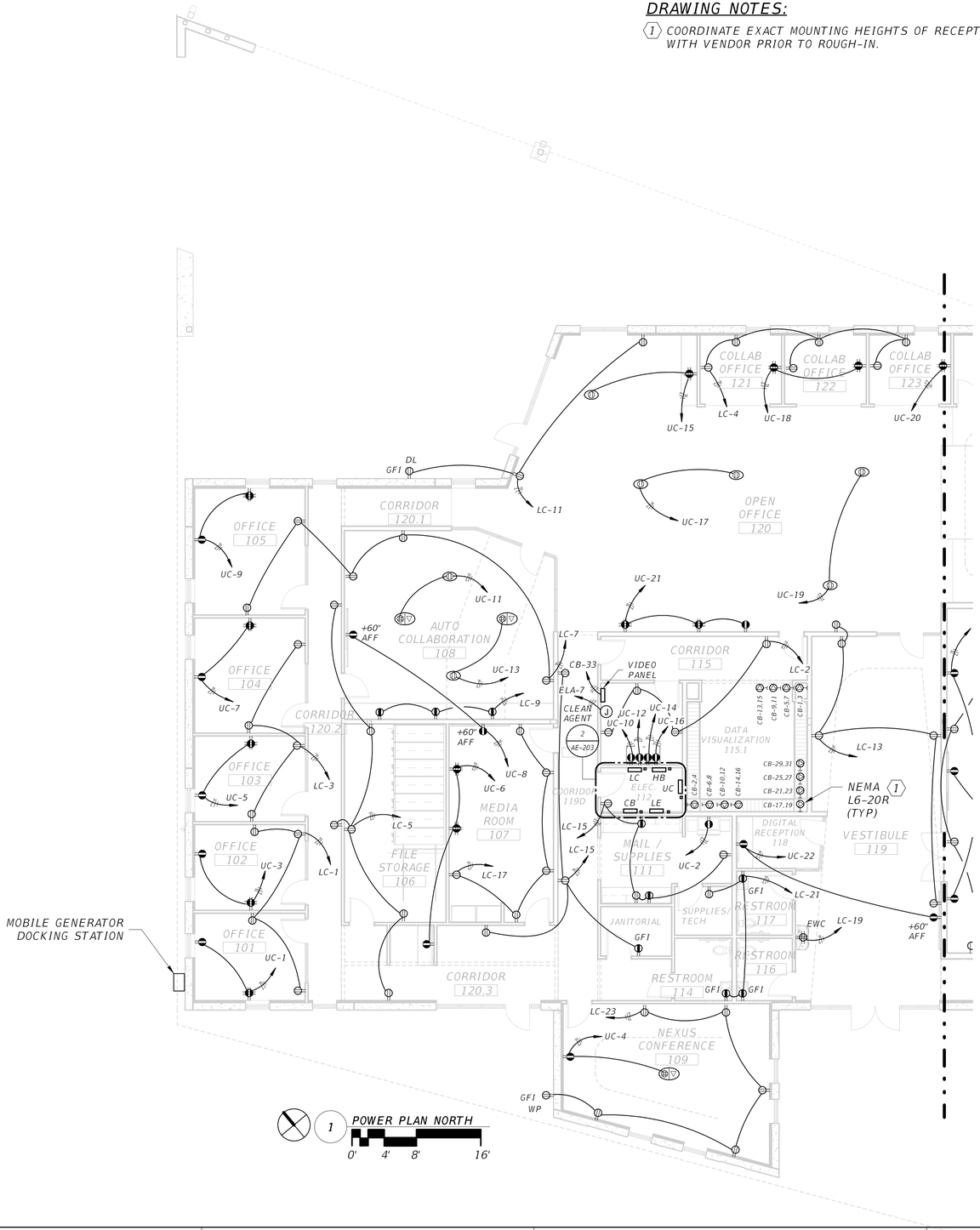
DRAWING NOTES:

1. COORDINATE EXACT MOUNTING HEIGHTS OF RECEPTACLES WITH VENDOR PRIOR TO ROUGH-IN.

GENERAL NOTES:

1. BOND ALL CABLE TRAYS TO THE GROUNDING SYSTEM USING A MINIMUM #6 AWG INSULATED COPPER CONDUCTOR FROM THE TRAY TO A GROUND BAR OR STRUCTURAL STEEL. BOND A MINIMUM OF EVERY 50 FEET, OR MORE OFTEN AS REQUIRED BY THE CABLE TRAY SPECIFICATIONS. COORDINATE WITH THE IT DRAWINGS WHERE THE CABLE TRAY IS SHOWN.

2. BOND ALL RAISED FLOORING METAL SUPPORT STRUCTURES USING A MINIMUM #6 AWG INSULATED COPPER CONDUCTOR FROM THE FLOOR SUPPORT TO A GROUND BAR OR STRUCTURAL STEEL. BOND A MINIMUM OF EVERY 50 FEET, OR MORE OFTEN AS REQUIRED BY THE FLOORING SPECIFICATIONS. COORDINATE WITH THE ARCHITECTURAL DRAWINGS WHERE THE RAISED FLOOR IS SHOWN/SPECIFIED.



No.	Date	Issue / Revision

AARON JOSEPH, PE
PE 85273

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607
ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO

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

POWER PLAN NORTH

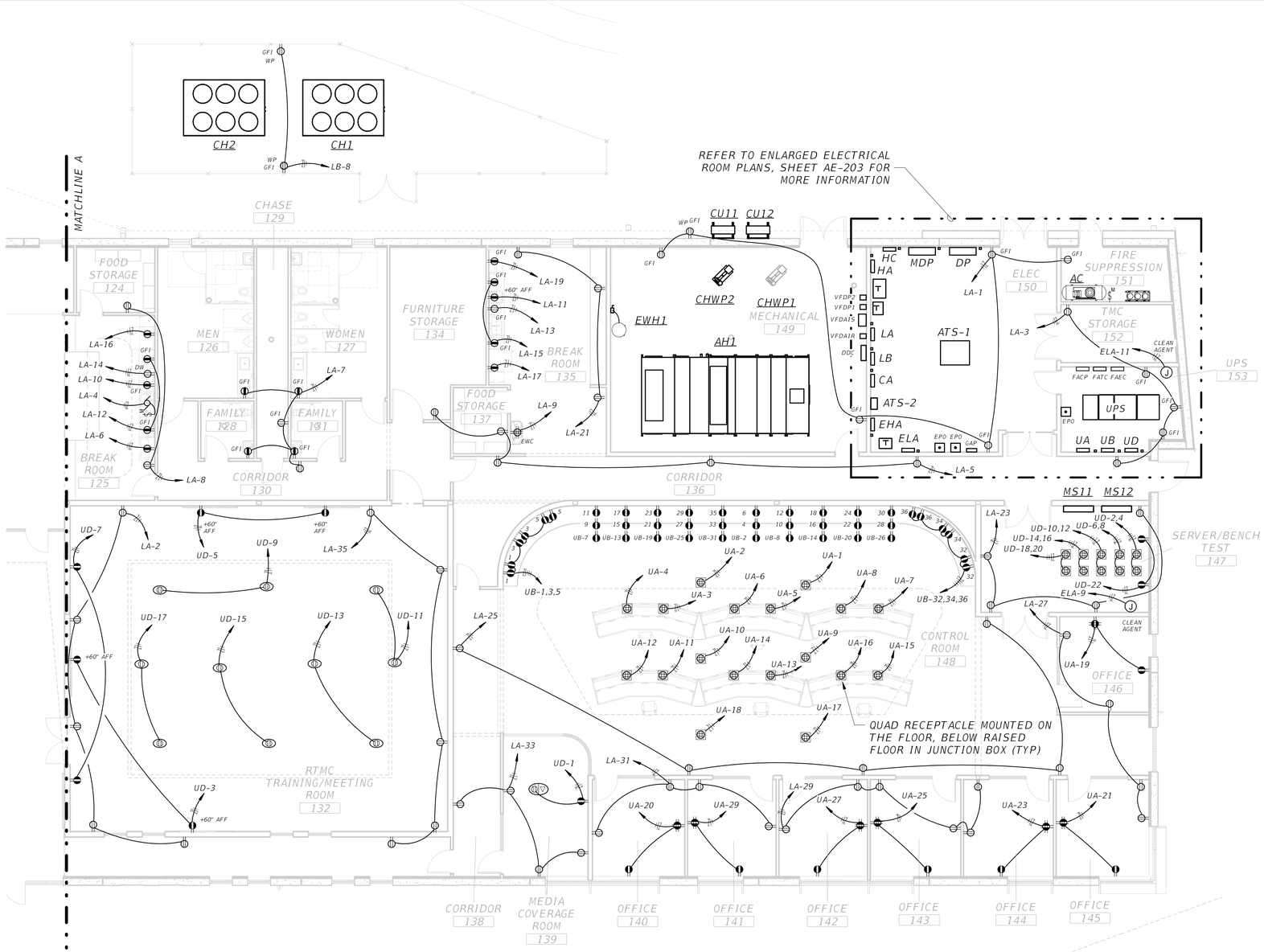
DWG NO. AE-201

SHEET NO.

GENERAL NOTES:

1. BOND ALL CABLE TRAYS TO THE GROUNDING SYSTEM USING A MINIMUM #6 AWG INSULATED COPPER CONDUCTOR FROM THE TRAY TO A GROUND BAR OR STRUCTURAL STEEL. BOND A MINIMUM OF EVERY 50 FEET, OR MORE OFTEN AS REQUIRED BY THE CABLE TRAY SPECIFICATIONS. COORDINATE WITH THE IT DRAWINGS WHERE THE CABLE TRAY IS SHOWN.

2. BOND ALL RAISED FLOORING METAL SUPPORT STRUCTURES USING A MINIMUM #6 AWG INSULATED COPPER CONDUCTOR FROM THE FLOOR SUPPORT TO A GROUND BAR OR STRUCTURAL STEEL. BOND A MINIMUM OF EVERY 50 FEET, OR MORE OFTEN AS REQUIRED BY THE FLOORING SPECIFICATIONS. COORDINATE WITH THE ARCHITECTURAL DRAWINGS WHERE THE RAISED FLOOR IS SHOWN/SPECIFIED.



1 POWER PLAN SOUTH

0' 4' 8' 16'

No.	Date	Issue / Revision

AARON JOSEPH, PE
PE 85273

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607
ENGINEERING BUSINESS LICENSE NO.: 33574

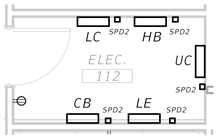
FLORIDA-ALABAMA TPO

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

POWER PLAN SOUTH

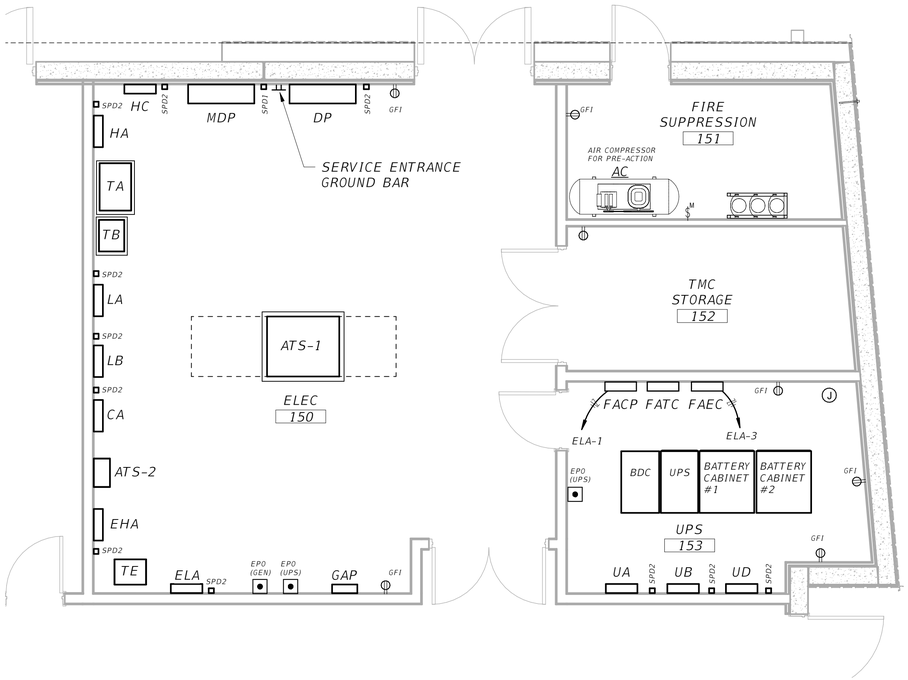
DWG NO. AE-202

SHEET NO.



2 ENLARGED ELECTRICAL ROOM PLAN - ROOM 112

0' 2' 4' 8'



1 ENLARGED MAIN ELECTRICAL ROOM

0' 2' 4' 8'

AARON JOSEPH LICENSE No. 85273 STATE OF FLORIDA PROFESSIONAL ENGINEER
Digitally signed by Aaron Joseph
Date: 2025.04.01 17:20:21-04'00'

No.	Date	Issue / Revision

AARON JOSEPH, PE
PE 85273

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607
ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO

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

ENLARGED ELECTRICAL ROOM PLANS

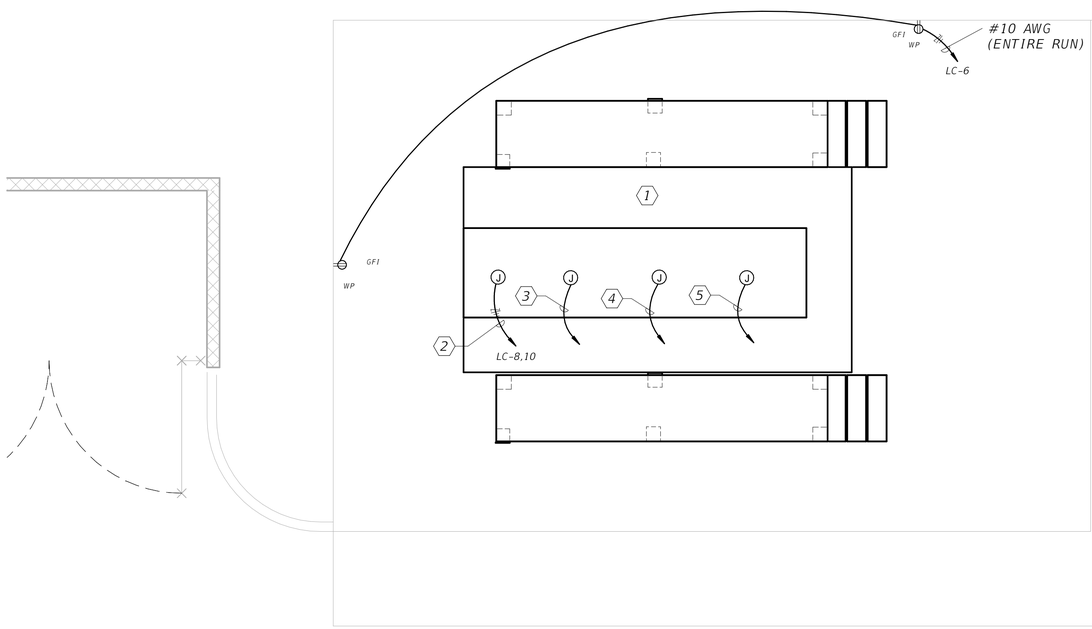
DWG NO. AE-203

SHEET NO.

4/1/2025 4:46:17 PM

DRAWING NOTES:

1. 500KW/625KVA, 277/480V, THREE PHASE DIESEL ENGINE DRIVEN GENERATOR
2. PROVIDE A 60 AMP, 208 VOLT, 1 PHASE CIRCUIT (1-1/4"C.; 3-#4, 1-#4 NEUTRAL, 1-#8 GROUND) FOR THE GENERATOR LOADCENTER MOUNTED INTEGRAL TO THE GENERATOR ENCLOSURE. LOADCENTER HAS FACTORY WIRED AND CONNECTED CIRCUITS FROM THE LOADCENTER TO THE BATTERY CHARGER, JACKET WATER HEATER, BLOCK HEATER, ENCLOSURE LIGHTS, RECEPTACLE, ETC. GENERATOR WILL BE PROVIDED WITH REQUIRED BREAKERS IN THE LOADCENTER FOR EACH CIRCUIT.
3. 1" CONDUIT WITH EPO CABLING TO ELECTRICAL ROOM 150.
4. 1-1/4" CONDUIT WITH ATS CONTROL WIRING TO AUTOMATIC TRANSFER SWITCH.
5. 1" CONDUIT WITH GENERATOR REMOTE ANNUNCIATION CABLING.



1 ENLARGED GENERATOR/CHILLER YARD PLAN

0' 2' 4' 8'

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.
GENERAL DISCLAIMER: TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH FBC 110.8.4.4 AND CHAPTER 63, FLORIDA STATUES.

AARON JOSEPH LICENSE No. 85273 STATE OF FLORIDA PROFESSIONAL ENGINEER
Digitally signed by Aaron Joseph
Date: 2025.04.01 17:20:29-04'00'

No.	Date	Issue / Revision

WGI

AARON JOSEPH, PE
PE 85273

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607
ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO

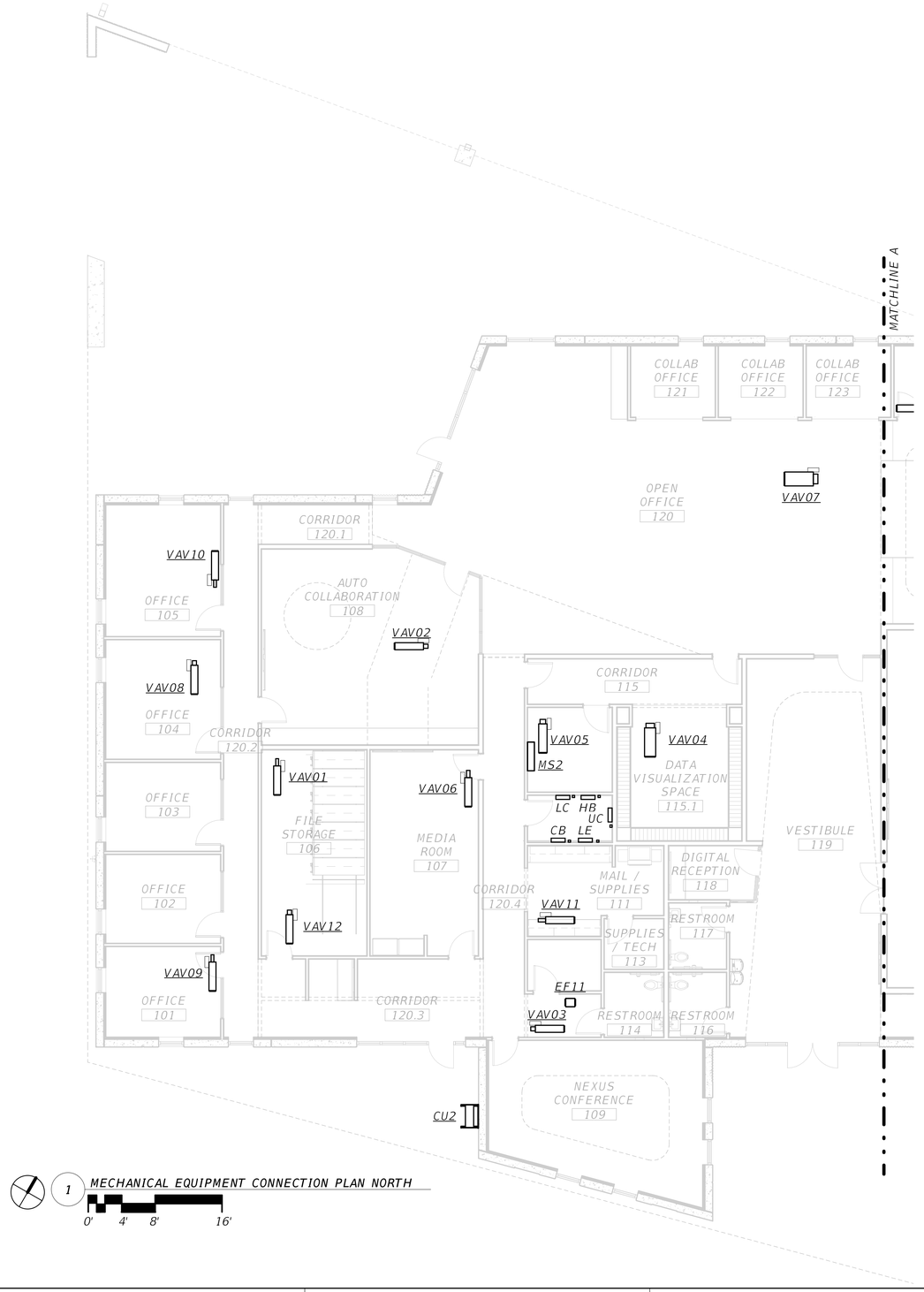
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

ENLARGED GENERATOR/CHILLER YARD PLAN

DWG NO. AE-204

SHEET NO.

Autodesk Docs://9345.00 ECRC/9345.00 Escambia ECRC WGIMEPFP R24.rvt



1 MECHANICAL EQUIPMENT CONNECTION PLAN NORTH

0' 4' 8' 16'

AARON JOSEPH LICENSE No. 85273 STATE OF FLORIDA PROFESSIONAL ENGINEER
Digitally signed by Aaron Joseph
Date: 2025.04.01 17:20:38-04'00'

No.	Date	Issue / Revision

AARON JOSEPH, PE
PE 85273

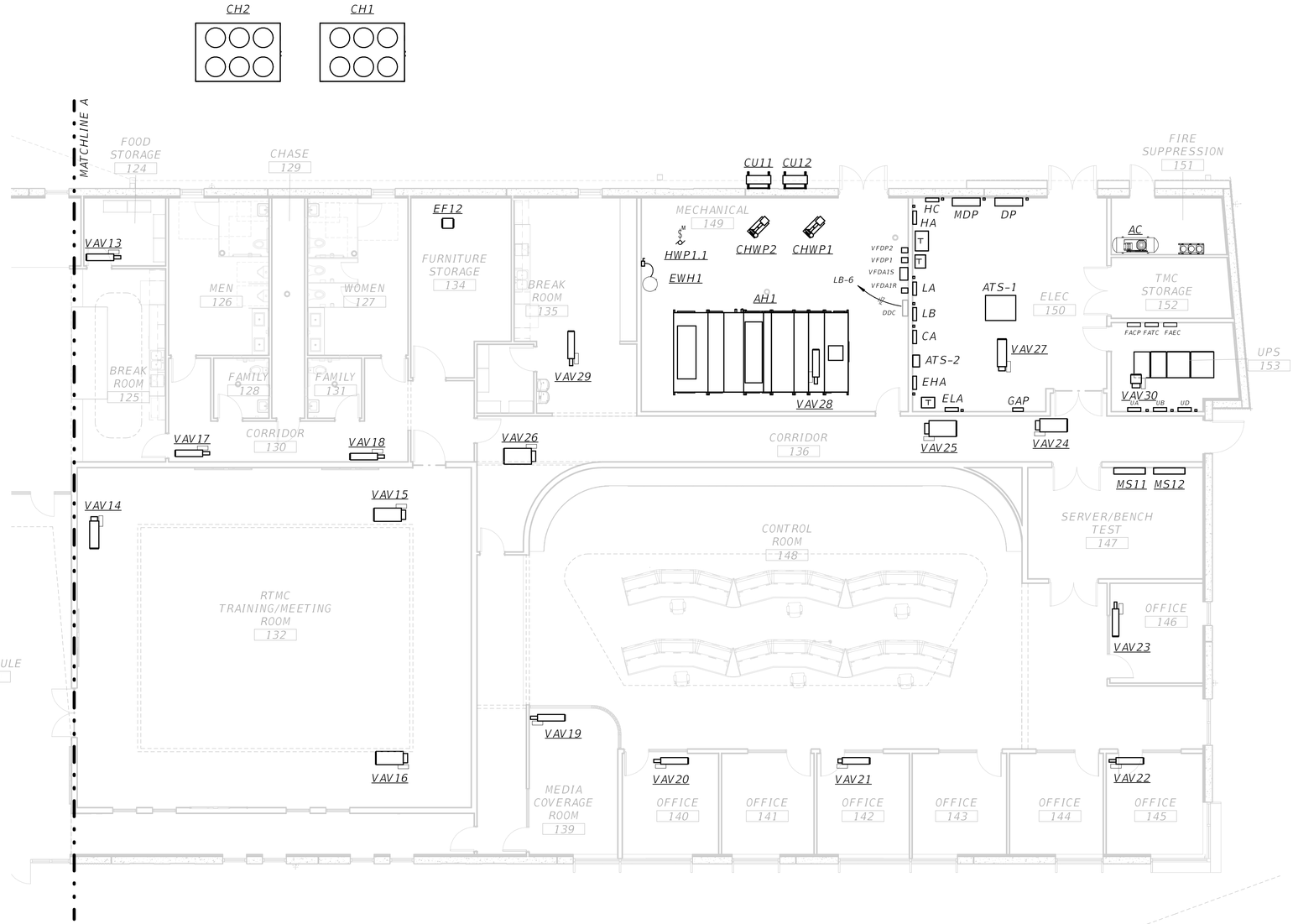
WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607
ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO

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

MECHANICAL EQUIPMENT CONNECTION PLAN NORTH

DWG NO. AE-205
SHEET NO.



1 MECHANICAL EQUIPMENT CONNECTION PLAN SOUTH

0' 4' 8' 16'

AARON JOSEPH LICENSE No. 85273 Digitally signed by Aaron Joseph Date: 2025.04.01 17:20:46-04'00' STATE OF FLORIDA PROFESSIONAL ENGINEER

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.
GENERAL DISCLAIMER: TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH FBC 110.8.4.4 AND CHAPTER 63, FLORIDA STATUES.

No.	Date	Issue / Revision

AARON JOSEPH, PE
PE 85273

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607
ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO

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

MECHANICAL EQUIPMENT CONNECTION PLAN SOUTH

DWG NO. AE-206

SHEET NO.

MECHANICAL EQUIPMENT CONNECTION SCHEDULE

MARK	ROOM NO.	VOLTAGE/ PHASE	KW	HP	FLA	MCA	BREAKER	HOMERUN CIRCUIT	CONDUIT & CABLING	COMBINATION STARTER/DISCONNECT SWITCH: SIZE AMPS	POLES	FUSE	STARTER SIZE	NEMA RATING	INTERLOCK/REMARKS
AIR HANDLER															
AH1	149	480/3	–	(2) 20.0	54.0	60.8	70	HC–1,3,5	1–1/4"C.; 3–#4, 1–#8 GND.	VFD	–	–	–	–	VFDA1S
		480/3	–	(1) 2.0	3.4	4.3	20	HC–7,9,11	3/4"C.; 3–#12, 1–#12 GND.	VFD	–	–	–	–	VFDA1R
		120/1	–	–	–	–	20	LB–13	3/4"C.; 2–#12, 1–#12 GND.	–	–	–	–	–	ENERGY RECOVERY WHEEL
CHILLER															
CH1	YARD	480/3	–	–	151.8	166.0	200	DP–25,27,29	3"C.; 3–#3/0, 1–#6 GND.	DIV23	–	–	–	–	–
		120/1	–	–	–	–	20	LB–10	3/4"C.; 2–#12, 1–#12 GND.	MRS	–	–	–	–	–
CH2	YARD	480/3	–	–	151.8	166.0	200	DP–31,33,35	3"C.; 3–#3/0, 1–#6 GND.	DIV23	–	–	–	–	–
		120/1	–	–	–	–	20	LB–12	3/4"C.; 2–#12, 1–#12 GND.	MRS	–	–	–	–	–
PUMPS															
CHWP1	149	480/3	–	5.0	7.6	9.5	20	HC–13,15,17	3/4"C.; 3–#12, 1–#12 GND.	VFD	–	–	–	–	VFDP1
CHWP2	149	480/3	–	5.0	7.6	9.5	20	HC–19,21,23	3/4"C.; 3–#12, 1–#12 GND.	VFD	–	–	–	–	VFDP2
VARIABLE AIR VOLUME BOX															
VAV01	106	277/1	1.0	–	3.6	4.5	20	HB–1	3/4"C.; 2–#12, 1–#12 GND.	DIV23	–	–	–	–	–
VAV02	108	277/1	2.5	–	9.0	11.3	20	HB–3	3/4"C.; 2–#12, 1–#12 GND.	DIV23	–	–	–	–	–
VAV03	120.4	277/1	3.0	–	10.8	13.5	20	HB–5	3/4"C.; 2–#12, 1–#12 GND.	DIV23	–	–	–	–	–
VAV04	115.1	480/3	6.0	–	7.2	9.0	20	HB–7,9,11	3/4"C.; 3–#12, 1–#12 GND.	DIV23	–	–	–	–	–
VAV05	115.2	277/1	2.5	–	9.0	11.3	20	HB–13	3/4"C.; 2–#12, 1–#12 GND.	DIV23	–	–	–	–	–
VAV06	107	277/1	1.0	–	3.6	4.5	20	HB–15	3/4"C.; 2–#12, 1–#12 GND.	DIV23	–	–	–	–	–
VAV07	120	480/3	6.5	–	7.8	9.8	20	HB–17,19,21	3/4"C.; 3–#12, 1–#12 GND.	DIV23	–	–	–	–	–
VAV08	104	277/1	2.0	–	7.2	9.0	20	HB–23	3/4"C.; 2–#12, 1–#12 GND.	DIV23	–	–	–	–	–
VAV09	101	277/1	1.0	–	3.6	4.5	20	HB–25	3/4"C.; 2–#12, 1–#12 GND.	DIV23	–	–	–	–	–
VAV10	105	277/1	1.5	–	5.4	6.8	20	HB–27	3/4"C.; 2–#12, 1–#12 GND.	DIV23	–	–	–	–	–
VAV11	111	277/1	1.0	–	3.6	4.5	20	HB–29	3/4"C.; 2–#12, 1–#12 GND.	DIV23	–	–	–	–	–
VAV12	106	277/1	3.0	–	10.8	13.5	20	HB–31	3/4"C.; 2–#12, 1–#12 GND.	DIV23	–	–	–	–	–
VAV13	124	277/1	2.0	–	7.2	9.0	20	HA–1	3/4"C.; 2–#12, 1–#12 GND.	DIV23	–	–	–	–	–
VAV14	132	480/3	4.5	–	5.4	6.8	20	HA–3,5,7	3/4"C.; 3–#12, 1–#12 GND.	DIV23	–	–	–	–	–
VAV15	132	480/3	7.0	–	8.4	10.5	20	HA–9,11,13	3/4"C.; 3–#12, 1–#12 GND.	DIV23	–	–	–	–	–
VAV16	132	480/3	7.0	–	8.4	10.5	20	HA–15,17,19	3/4"C.; 3–#12, 1–#12 GND.	DIV23	–	–	–	–	–
VAV17	130	277/1	1.5	–	5.4	6.8	20	HA–21	3/4"C.; 2–#12, 1–#12 GND.	DIV23	–	–	–	–	–
VAV18	130	277/1	3.0	–	10.8	13.5	20	HA–23	3/4"C.; 2–#12, 1–#12 GND.	DIV23	–	–	–	–	–
VAV19	139	277/1	1.5	–	5.4	6.8	40	HA–25	1"C.; 2–#8, 1–#10 GND.	DIV23	–	–	–	–	–
VAV20	140	277/1	2.0	–	7.2	9.0	20	HA–27	3/4"C.; 2–#12, 1–#12 GND.	DIV23	–	–	–	–	–
VAV21	142	277/1	3.0	–	10.8	13.5	20	HA–29	3/4"C.; 2–#12, 1–#12 GND.	DIV23	–	–	–	–	–
VAV22	145	277/1	2.0	–	7.2	9.0	20	HA–31	3/4"C.; 2–#12, 1–#12 GND.	DIV23	–	–	–	–	–
VAV23	146	277/1	1.0	–	3.6	4.5	20	HA–33	3/4"C.; 2–#12, 1–#12 GND.	DIV23	–	–	–	–	–
VAV24	136	480/3	8.0	–	9.6	12.0	20	HA–4,6,8	3/4"C.; 3–#12, 1–#12 GND.	DIV23	–	–	–	–	–
VAV25	136	480/3	10.5	–	12.6	15.8	20	HA–10,12,14	3/4"C.; 3–#12, 1–#12 GND.	DIV23	–	–	–	–	–
VAV26	136	480/3	10.0	–	12.0	15.0	20	HA–16,18,20	3/4"C.; 3–#12, 1–#12 GND.	DIV23	–	–	–	–	–
VAV27	150	480/3	4.5	–	5.4	6.8	20	HA–22,24,26	3/4"C.; 3–#12, 1–#12 GND.	DIV23	–	–	–	–	–
VAV28	154	277/1	3.0	–	10.8	13.5	20	HA–28	3/4"C.; 2–#12, 1–#12 GND.	DIV23	–	–	–	–	–
VAV29	134	277/1	2.5	–	9.0	11.3	20	HA–30	3/4"C.; 2–#12, 1–#12 GND.	DIV23	–	–	–	–	–
VAV30	152	–	–	–	–	–	–	–	–	–	–	–	–	–	NO POWER CONNECTION REQUIRED FOR VAV30

MECHANICAL EQUIPMENT CONNECTION SCHEDULE

MARK	ROOM NO.	VOLTAGE/ PHASE	KW	HP	FLA	MCA	BREAKER	HOMERUN CIRCUIT	CONDUIT & CABLING	COMBINATION STARTER/DISCONNECT SWITCH: SIZE AMPS	POLES	FUSE	STARTER SIZE	NEMA RATING	INTERLOCK/REMARKS
MINI SPLIT UNITS															
MS11/CU11	147	208/1	–	–	13.3	16.6	20	LB–1,3	3/4"C.; 2–#12, 1–#12 GND.	30	2	NF	–	1/3R	PROVIDE CONNECTION BETWEEN INSIDE AND OUTSIDE UNITS WITH 3/4"C.; 2–#12, 1–#12 GND.
MS12/CU12	147	208/1	–	–	13.3	16.6	20	LB–2,4	3/4"C.; 2–#12, 1–#12 GND.	30	2	NF	–	1/3R	
MS2/CU2	115.2	208/1	–	–	13.3	16.6	20	LE–1,3	3/4"C.; 2–#12, 1–#12 GND.	30	2	NF	–	1/3R	
EXHAUST FANS															
EF11	120.4	120/1	–	0.07	2.2	2.8	20	LE–3	3/4"C.; 2–#12, 1–#12 GND.	MRS	–	–	–	–	–
EF12	134	120/1	–	0.10	4.4	5..5	20	LB–11	3/4"C.; 2–#12, 1–#12 GND.	MRS	–	–	–	–	–
PLUMBING EQUIPMENT															
EWH1.1	148	208/1	1.5	–	7.2	9.0	20	LB–5,7	3/4"C.; 2–#12, 1–#12 GND.	30	2	MFS	–	1	–
HWP1.1	148	120/1	85W	1/25	0.7	.9	20	LB–9	3/4"C.; 2–#12, 1–#12 GND.	MRS	–	–	–	–	–
FIRE PROTECTION															
AC	150	120/1	–	1/2	9.8	12.3	20	ELA–5	3/4"C.; 2–#12, 1–#12 GND.	MRS	–	–	–	–	–

MECHANICAL CONNECTION SCHEDULE ABBREVIATIONS:

MFS = MANUFACTURER'S RECOMMENDED FUSE SIZE
NF = NON–FUSED
MRS = MOTOR RATED TOGGLE SWITCH BY DIVISION 26
DIV23 = DISCONNECTING MEANS PROVIDED BY THE EQUIPMENT MANUFACTURER OR DIVISION 23 CONTRACTOR
VFD = VARIABLE FREQUENCY DRIVE (FURNISHED BY DIVISION 23) INSTALLED BY DIVISION 26

AARON JOSEPH LICENSE No. 85273 STATE OF FLORIDA PROFESSIONAL ENGINEER
Digitally signed by Aaron Joseph
Date: 2025.04.01 17:20:55-04'00'

No.	Date	Issue / Revision

AARON JOSEPH, PE
PE 85273

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607
ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO

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

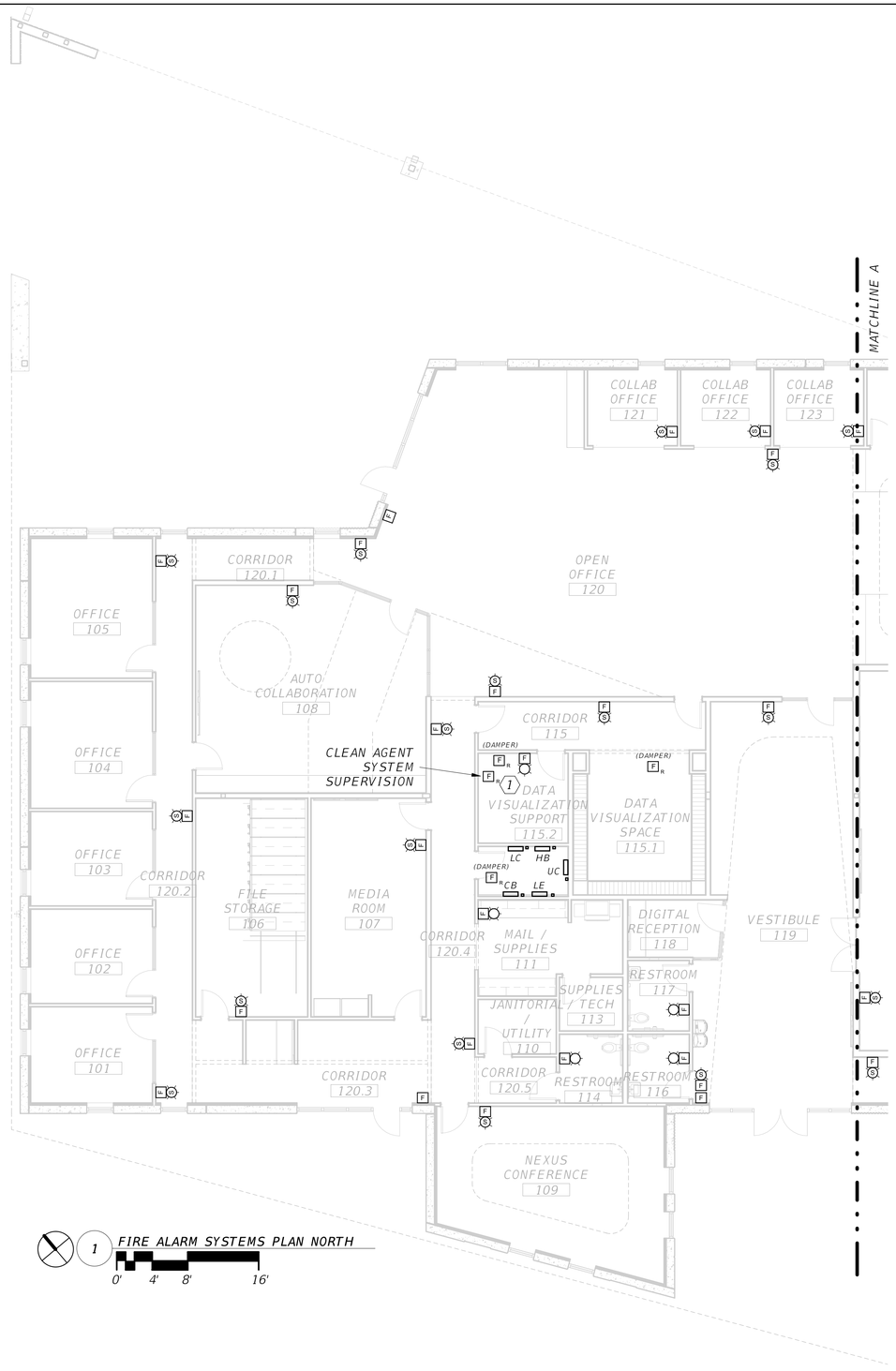
MECHANICAL EQUIPMENT CONNECTION SCHEDULE

DWG NO. AE-207
SHEET NO.

4/1/2025 4:46:23 PM

DRAWING NOTES:

1. REFER TO FIRE PROTECTION DRAWINGS FOR EXACT AREA OF COVERAGE.



AARON JOSEPH LICENSE No. 85273 STATE OF FLORIDA PROFESSIONAL ENGINEER
Digitally signed by Aaron Joseph
Date: 2025.04.01 17:21:03-04'00'

No.	Date	Issue / Revision

AARON JOSEPH, PE
PE 85273

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607
ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO

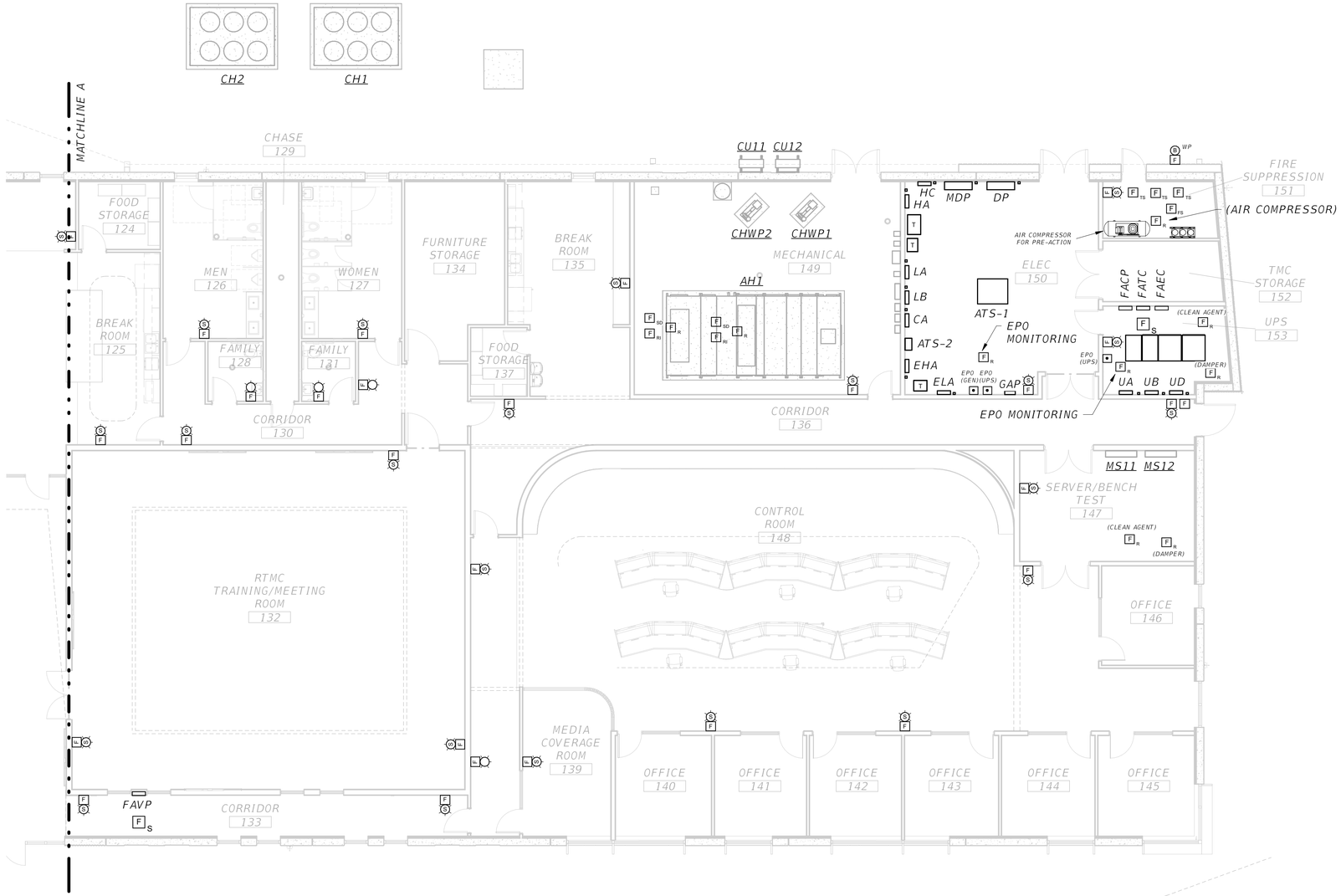
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

FIRE ALARM SYSTEMS PLAN NORTH

DWG NO. AE-301

SHEET NO.

Autodesk Docs://9345.00 ECRC/9345.00 Escambia ECRC WGIMEPFP R24.rvt



1 FIRE ALARM SYSTEMS PLAN SOUTH

0' 4' 8' 16'

No.	Date	Issue / Revision

AARON JOSEPH, PE
PE 85273

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607
ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO

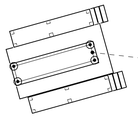
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

FIRE ALARM SYSTEMS PLAN SOUTH

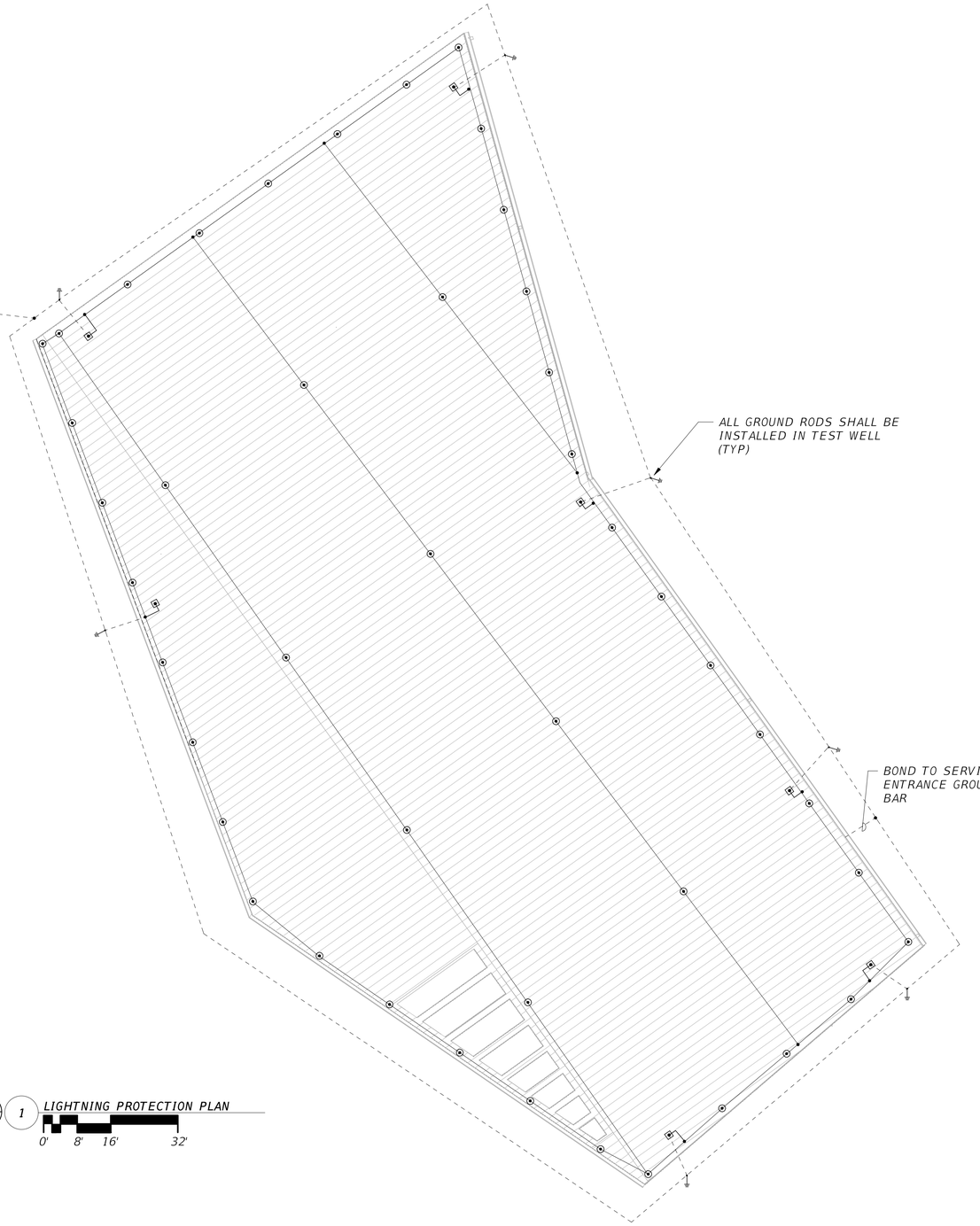
DWG NO. AE-302

SHEET NO.

LIGHTNING PROTECTION LEGEND		
SYMBOL	DESCRIPTION	MOUNTING
◈	LIGHTNING PROTECTION DOWN CONDUCTOR THROUGH ROOF PENETRATION. REFER TO DETAIL ON DRAWING AE-702.	ROOF
◉	AIR TERMINAL LOCATION. REFER TO DETAIL ON DRAWING AE-702.	ON BACK OF PARAPET SURFACE
———	NEW COPPER LIGHTNING PROTECTION SYSTEM CABLING.	AS NOTED
⏚	GROUNDING SYSTEM CONNECTION. REFER TO DETAIL ON DRAWING AE-702.	AS NOTED
●	LIGHTNING PROTECTION BONDING CONNECTION. REFER TO DETAIL ON DRAWING AE-702.	AS NOTED



PROVIDE LIGHTNING PROTECTION ON THE EMERGENCY GENERATOR ENCLOSURE AND BOND TO THE BUILDING LIGHTNING PROTECTION SYSTEM



1 LIGHTNING PROTECTION PLAN

0' 8' 16' 32'

LIGHTNING PROTECTION GENERAL NOTES:

1. ALL ELECTRICAL WORK SHALL MEET ALL OF THE REQUIREMENTS OF THE FOLLOWING:
   - A. FLORIDA BUILDING CODE (FBC) 8TH EDITION (2023) (EFFECTIVE DECEMBER 31,2023): THIS CODE INCLUDES THE 2023 FBC BUILDING, MECHANICAL, PLUMBING, ENERGY CONSERVATION, FUEL GAS, ACCESSIBILITY, AND TEST PROTOCOLS VOLUMES. FURTHER, SEE "REFERENCED STANDARDS" IN THE FBC BUILDING CHAPTER 35; FBC MECHANICAL CHAPTER 15; FBC PLUMBING CHAPTER 15; FBC ENERGY CONSERVATION CHAPTER 6; AND FBC FUEL GAS CHAPTER 8).
   - B. 8TH EDITION OF THE FLORIDA FIRE PREVENTION CODE (FFPC): (THIS CODE ALSO INCLUDES THE FLORIDA VERSIONS OF NFPA 1 AND NFPA 101.) (EFFECTIVE DECEMBER 31, 2023).
   - C. 2020 NATIONAL ELECTRIC CODE
2. PROVIDE NICKEL BLUNT OR SHARP TIPPED SOLID COPPER (OR COPPER CLAD STEEL) AIR TERMINAL WITH NO. 30 BRONZE HINGED BASE. TYPICAL FOR ALL.
3. PROVIDE CLASS I COPPER LIGHTNING CONDUCTOR
4. BOND FROM THE CONDUCTOR LOOP TO MECHANICAL EQUIPMENT, DRAINS, SCUPPERS, VENTS, ETC. AS REQUIRED. TYPICAL.
5. PROVIDE A U.L. APPROVED LIGHTNING PROTECTION SYSTEM (UL96A). SYSTEM SHALL COME COMPLETE WITH ALL REQUIRED AIR TERMINALS, CONNECTIONS, AND DOWN CONDUCTORS AS REQUIRED BY NFPA-780. PROVIDE A COMPLETE SYSTEM OF LIGHTNING PROTECTION AND INSTALLED BY A CERTIFIED PROFESSIONAL.
6. SYSTEM IS TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND UL LETTER OF CERTIFICATION (MASTER LABEL). CLASS I MATERIALS REQUIRED FOR AREAS. ALL WORK ON THE LIGHTNING PROTECTION SYSTEM SHALL COMPLY WITH THE REQUIREMENTS OF NFPA-780, INSTALLATION OF LIGHTNING PROTECTION SYSTEMS, AND UL-96A.
7. INTERCONNECT CONDUCTORS TO PROVIDE AT LEAST TWO ELECTRICAL PATHS TO GROUND. AVOID AN UPWARD DIRECTION FOR LATERAL CONDUCTORS INTERCONNECTING AIR TERMINALS. TURN CONDUCTORS WITH RADIUS OF AT LEAST 8 INCHES AT AN INCLUDED ANGLE NOT MORE ACUTE THAN A RIGHT ANGLE.
8. BOND ALL METAL ROOF DRAINS.
9. BOND FULL SIZED CONDUCTOR TO ALL METAL OBJECTS ON ROOF.
10. UPON COMPLETION OF THE WORK, FURNISH THE OWNER WITH THE UL MASTER LABEL FOR THE ENTIRE BUILDING.
11. SUBMIT SHOP DRAWINGS AS REQUIRED BY THE SPECIFICATIONS AND COORDINATE WITH THE ARCHITECT FOR ALL ROOFING INSTALLATION DETAILS AND WARRANTIES.
12. GROUND RING: INSTALL A GROUNDING CONDUCTOR, ELECTRICALLY CONNECTED TO EACH BUILDING STRUCTURE GROUND ROD AND TO EACH STEEL COLUMN, EXTENDING AROUND THE PERIMETER OF THE BUILDING.
    - a. INSTALL COPPER CONDUCTOR NOT LESS THAN NO. 2/0 AWG FOGROUND RING AND FOR TAPS TO BUILDING STEEL.
    - b. BURY GROUND RING NOT LESS THAN 24 INCHES FROM BUILDING'S FOUNDATION.
13. SEE SPECIFICATION 264113 FOR MORE REQUIREMENTS.

AARON JOSEPH LICENSE No. 85273 STATE OF FLORIDA PROFESSIONAL ENGINEER
Digitally signed by Aaron Joseph
Date: 2025.04.01 17:21:21-04'00'

No.	Date	Issue / Revision

AARON JOSEPH, PE
PE 85273

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607
ENGINEERING BUSINESS LICENSE NO.: 33574

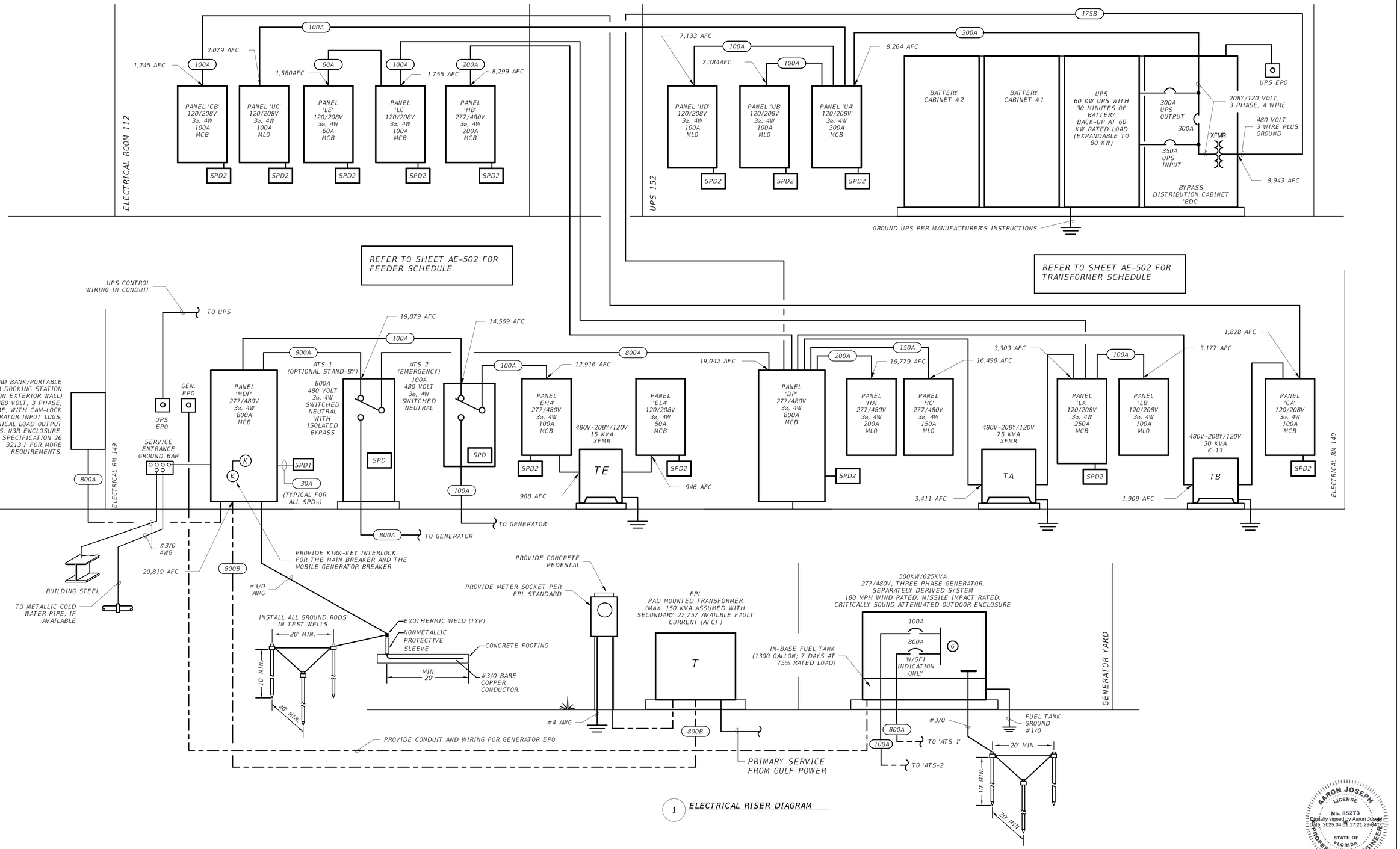
FLORIDA-ALABAMA TPO

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

LIGHTNING PROTECTION PLAN

DWG NO. AE-401

SHEET NO.



1 ELECTRICAL RISER DIAGRAM

No.	Date	Issue / Revision

AARON JOSEPH, PE
PE 85273

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607
ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO

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

ELECTRICAL RISER DIAGRAM

DWG NO. AE-501
SHEET NO.

FEEDER SCHEDULE

AMPS	CONDUIT & CABLING
20A	3/4"C; 3-#12, 1-#12 NEUTRAL, 1-#12 GROUND
30A	3/4"C; 3-#10, 1-#10 NEUTRAL, 1-#10 GROUND
35A	1"C; 3-#8, 1-#8 NEUTRAL, 1-#10 GROUND
40A	1"C; 3-#8, 1-#8 NEUTRAL, 1-#10 GROUND
45A	1"C; 3-#8, 1-#8 NEUTRAL, 1-#10 GROUND
50A	1"C; 3-#8, 1-#8 NEUTRAL, 1-#10 GROUND
60A	1"C; 3-#6, 1-#6 NEUTRAL, 1-#10 GROUND
70A	1-1/4"C; 3-#4, 1-#4 NEUTRAL, 1-#8 GROUND
80A	1-1/4"C; 3-#3, 1-#3 NEUTRAL, 1-#8 GROUND
90A	1-1/4"C; 3-#3, 1-#3 NEUTRAL, 1-#8 GROUND
100A	1-1/4"C; 3-#3, 1-#3 NEUTRAL, 1-#8 GROUND
110A	1-1/2"C; 3-#1, 1-#1 NEUTRAL, 1-#6 GROUND
125A	1-1/2"C; 3-#1, 1-#1 NEUTRAL, 1-#6 GROUND
150A	2"C; 3-#1/0, 1-#1/0 NEUTRAL, 1-#6 GROUND
175A	2"C; 3-#2/0, 1-#2/0 NEUTRAL, 1-#6 GROUND
175B	2"C; 3-#2/0, 1-#6 GROUND
200A	2"C; 3-#3/0, 1-#3/0 NEUTRAL, 1-#6 GROUND
225A	2-1/2"C; 3-#4/0, 1-#4/0 NEUTRAL, 1-#4 GROUND
250A	3"C; 3-#250 KCMIL, 1-#250 KCMIL NEUTRAL, 1-#4 GROUND
300A	3-1/2"C; 3-#350 KCMIL, 1-#350 KCMIL NEUTRAL, 1-#4 GROUND
350A	4"C; 3-#500 KCMIL, 1-#500 KCMIL NEUTRAL, 1-#3 GROUND
400A	(380A) 4"C; 3-#500 KCMIL, 1-#500 KCMIL NEUTRAL, 1-#3 GROUND
400A	TWO(2) 2"C; EACH WITH 3-#3/0, 1-#3/0 NEUTRAL, 1-#3 GROUND
450A	TWO(2) 2-1/2"C; EACH WITH 3-#4/0, 1-#4/0 NEUTRAL, 1-#2 GROUND
500A	TWO(2) 3"C; EACH WITH 3-#250 KCMIL, 1-#250 KCMIL NEUTRAL, 1-#2 GROUND
600A	TWO(2) 3-1/2"C; EACH WITH 3-#350 KCMIL, 1-#350 KCMIL NEUTRAL, 1-#1 GROUND
800A	(760A) TWO(2) 3-1/2"C; EACH WITH 3-#500 KCMIL, 1-#500 KCMIL NEUTRAL, 1-#1/0 GROUND
800A	THREE(3) 3"C; EACH WITH 3-#300 KCMIL, 1-#300 KCMIL NEUTRAL, 1-#1/0 GROUND
800B	THREE(3) 3"C; EACH WITH 3-#300 KCMIL, 1-#300 KCMIL NEUTRAL

TRANSFORMER SCHEDULE

KVA	480 VOLT PRIMARY, 3 PHASE			120/208 VOLT SECONDARY, 3 PHASE, 4 WIRE		
	FLA	CB	CONDUCTOR	FLA	CB	CONDUCTOR
9	10.8	20	3/4"C; 3-#12, 1 #12 GND.	25.0	30	3/4"C; 3-#10, 1-#10 NEUTRAL, 1-#8 GROUND
15	18	30	3/4"C; 3-#10, 1 #10 GND.	41.6	50	1"C; 3-#8, 1-#8 NEUTRAL, 1-#8 GROUND
30	36	50	1"C; 3-#8, 1 #10 GND.	83	100	1-1/4"C; 3-#3, 1-#3 NEUTRAL, 1-#8 GROUND
45	54	70	1"C; 3-#4, 1 #8 GND.	125	150	2"C; 3-#1/0, 1-#1/0 NEUTRAL, 1-#6 GROUND
75	90	125	1-1/2"C; 3-#1, 1 #6 GND.	208	250	3"C; 3-#250KCMIL, 1-#250 KCMIL NEUTRAL, 1-#2 GROUND
K13 TYPE TRANSFORMERS						
15 K13	18	30	3/4"C; 3-#10, 1 #10 GND.	41.6	50	1"C; 3-#8, 2-#8 NEUTRALS, 1-#10 GROUND
30 K13	36	50	1"C; 3-#8, 1 #10 GND.	83	100	1-1/2"C; 3-#3, 2-#3 NEUTRALS, 1-#8 GROUND

NOTES:
1. CONDUCTORS ARE COPPER & NO PROVISIONS FOR VOLTAGE DROP IS MADE.
2. SECONDARY TRANSFORMER GROUND SHALL BE BONDED TO BUILDING GROUNDING SYSTEM VIA GROUND CONDUCTOR SIZED EQUIVALENT TO SECONDARY GROUND CONDUCTOR.

Branch Panel: MDP

Location: ELEC 150 | **Volts:** 480/277 Wye | **A.I.C. Rating:** 42 KA
Mounting: Surface | **Phases:** 3 | **Mains Type:** MCB
Enclosure: Type 1 | **Wires:** 4 | **Mains Rating:** 800 A

CKT	Circuit Description	BKR	Poles	A		B		C		Poles	BKR	Circuit Description	CKT
1				152.0	3.7								2
3	Panel 'DP' via ATS-1	0 A	3			142.1	2.1			3	0 A	Panel 'EHA' via ATS-2	4
5								137.9	2.7				6
7				0.0	0.0								8
9	Equipment; SPD1	30 A	3			0.0	0.0			3	800 A	Mobile Generator Docking Station	10
11								0.0	0.0				12
13	Spare	20 A	1	0.0	--					1	--	Space	14
15	Spare	20 A	1			0.0	--			1	--	Space	16
17	Spare	20 A	1					0.0	--	1	--	Space	18
19	Spare	20 A	1	0.0	--					1	--	Space	20
21	Space	--	1			--	--			1	--	Space	22
23	Space	--	1					--	--	1	--	Space	24
25	Space	--	1	--	--					1	--	Space	26
27	Space	--	1			--	--			1	--	Space	28
29	Space	--	1					--	--	1	--	Space	30
31	Space	--	1	--	--					1	--	Space	32
33	Space	--	1			--	--			1	--	Space	34
35	Space	--	1					--	--	1	--	Space	36
37	Space	--	1	--	--					1	--	Space	38
39	Space	--	1			--	--			1	--	Space	40
41	Space	--	1					--	--	1	--	Space	42
	Connected Load Per Phase:			155.7 kVA		144.3 kVA		140.5 kVA					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Equipment	0 VA	0.00%	0 VA		
HVAC	286535 VA	100.00%	286535 VA	Connected Load:	439.95 kVA
Lighting	12753 VA	125.00%	15941 VA	Demand Load:	389.50 kVA
Motor	6903 VA	122.88%	8483 VA		
Other	1000 VA	100.00%	1000 VA	Total Amps:	468 A
Power	12687 VA	100.00%	12687 VA		
Receptacle	120920 VA	54.13%	65460 VA		

NOTES:
PROVIDE KIRK-KEY INTERLOCK FOR MAIN BREAKER AND GENERATOR DOCKING STATION BREAKER

Branch Panel: DP

Location: ELEC 150 | **Volts:** 480/277 Wye | **A.I.C. Rating:** 35 KA
Mounting: Surface | **Phases:** 3 | **Mains Type:** MCB
Enclosure: Type 1 | **Wires:** 4 | **Mains Rating:** 800 A

CKT	Circuit Description	BKR	Poles	A		B		C		Poles	BKR	Circuit Description	CKT
1				26.3	18.2								2
3	Panel 'HA'	200 A	3			24.7	16.5			3	125 A	Panel 'LA' via XFMR	4
5								25.7	13.2				6
7				15.1	12.2								8
9	Panel 'HB'	200 A	3			9.5	11.3			3	50 A	Panel 'CA' via XFMR	10
11								10.4	9.5				12
13				20.1	0.0					1	20 A	Spare	14
15	Panel 'HC'	150 A	3			20.1	0.0			1	20 A	Spare	16
17								20.1	0.0	1	20 A	Spare	18
19				19.1	0.0					1	20 A	Spare	20
21	Panel 'UA' via XFMR in 'BDC'	175 A	3			19.2	0.0			1	20 A	Spare	22
23								18.3	0.0	1	20 A	Spare	24
25				42.1	0.0					1	20 A	Spare	26
27	HVAC; Chiller CH1	200 A	3			42.1	--			1	--	Space	28
29								42.1	--	1	--	Space	30
31				0.0	--					1	--	Space	32
33	HVAC; Chiller CH2	200 A	3			0.0	--			1	--	Space	34
35								0.0	--	1	--	Space	36
37				0.0	--					1	--	Space	38
39	Equipment; SPD2	30 A	3			0.0	--			1	--	Space	40
41								0.0	--	1	--	Space	42
	Connected Load Per Phase:			152.0 kVA		142.1 kVA		137.9 kVA					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Equipment	0 VA	0.00%	0 VA		
HVAC	286535 VA	100.00%	286535 VA	Connected Load:	431.47 kVA
Lighting	7957 VA	125.00%	9946 VA	Demand Load:	379.82 kVA
Motor	6903 VA	122.88%	8483 VA		
Power	9987 VA	100.00%	9987 VA	Total Amps:	457 A
Receptacle	120920 VA	54.13%	65460 VA		

NOTES:

AARON JOSEPH LICENSE No. 85273 STATE OF FLORIDA PROFESSIONAL ENGINEER
Digitally signed by Aaron Joseph
Date: 2025.04.01 17:21:38-04'00'

No.	Date	Issue / Revision

AARON JOSEPH, PE
PE 85273

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607
ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO

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

ELECTRICAL PANEL SCHEDULES

DWG NO. AE-502
SHEET NO.

Branch Panel: EHA

Location:	ELEC 150	**Volts:**	480/277 Wye	**A.I.C. Rating:**	22 KA
Mounting:	Surface	**Phases:**	3	**Mains Type:**	MCB
Enclosure:	Type 1	**Wires:**	4	**Mains Rating:**	100 A

CKT	Circuit Description	BKR	Poles	A		B		C		Poles	BKR	Circuit Description	CKT
1	Lighting; South	20 A	1	2.1	0.0					1	20 A	Spare	2
3	Lighting; North	20 A	1			1.1	0.0			1	20 A	Spare	4
5	Lighting; Exterior **	20 A	1					1.0	0.0	1	20 A	Spare	6
7	Lighting; Exterior **	20 A	1	0.6	0.0					1	20 A	Spare	8
9	Space	--	1			--	0.0			1	20 A	Spare	10
11	Space	--	1					--	0.0	1	20 A	Spare	12
13	Space	--	1	--	0.0					1	20 A	Spare	14
15	Space	--	1			--	0.0			1	20 A	Spare	16
17	Space	--	1					--	0.0	1	20 A	Spare	18
19	Space	--	1	--	0.0					1	20 A	Spare	20
21	Space	--	1			--	--			1	--	Space	22
23	Space	--	1					--	--	1	--	Space	24
25	Space	--	1	--	--					1	--	Space	26
27	Space	--	1			--	--			1	--	Space	28
29	Space	--	1					--	--	1	--	Space	30
31	Space	--	1	--	--					1	--	Space	32
33	Space	--	1			--	--			1	--	Space	34
35	Space	--	1					--	--	1	--	Space	36
37				0.0	1.0								38
39	Equipment; SPD2	30 A	3			0.0	1.0			3	30 A	Panel 'ELA' via XFMR	40
41								0.0	1.7				42
	Connected Load Per Phase:			3.7 kVA		2.1 kVA		2.7 kVA					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Equipment	0 VA	0.00%	0 VA		
Lighting	4800 VA	125.00%	6000 VA	**Connected Load:**	8.49 kVA
Other	1000 VA	100.00%	1000 VA	**Demand Load:**	9.69 kVA
Power	2700 VA	100.00%	2700 VA		
				Total Amps:	12 A

NOTES:
** VIA CONTACTOR

Branch Panel: ELA

Location:	ELEC 150	**Volts:**	120/208 Wye	**A.I.C. Rating:**	10 KA
Mounting:	Surface	**Phases:**	3	**Mains Type:**	MCB
Enclosure:	Type 1	**Wires:**	4	**Mains Rating:**	50 A

CKT	Circuit Description	BKR	Poles	A		B		C		Poles	BKR	Circuit Description	CKT
1	Other; FACP	20 A	1	0.5	0.0					1	20 A	Spare	2
3	Other; FAEC	20 A	1			0.5	0.0			1	20 A	Spare	4
5	Pwr; Pre-Action Comp.	20 A	1					1.2	0.0	1	20 A	Spare	6
7	Power; Clean Agent Pnl	20 A	1	0.5	0.0					1	20 A	Spare	8
9	Power; Clean Agent Pnl	20 A	1			0.5	0.0			1	20 A	Spare	10
11	Power; Clean Agent Pnl	20 A	1					0.5	0.0	1	20 A	Spare	12
13	Space	--	1	--	0.0					1	20 A	Spare	14
15	Space	--	1			--	0.0			1	20 A	Spare	16
17	Space	--	1					--	0.0	1	20 A	Spare	18
19	Space	--	1	--	--					1	--	Space	20
21	Space	--	1			--	--			1	--	Space	22
23	Space	--	1					--	--	1	--	Space	24
25	Space	--	1	--	--					1	--	Space	26
27	Space	--	1			--	--			1	--	Space	28
29	Space	--	1					--	--	1	--	Space	30
31	Space	--	1	--	--					1	--	Space	32
33	Space	--	1			--	--			1	--	Space	34
35	Space	--	1					--	--	1	--	Space	36
37				0.0	--					1	--	Space	38
39	Equipment; SPD2	30 A	3			0.0	--			1	--	Space	40
41								0.0	--	1	--	Space	42
	Connected Load Per Phase:			1.0 kVA		1.0 kVA		1.7 kVA					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Equipment	0 VA	0.00%	0 VA		
Other	1000 VA	100.00%	1000 VA	**Connected Load:**	3.70 kVA
Power	2700 VA	100.00%	2700 VA	**Demand Load:**	3.70 kVA
				Total Amps:	10 A

NOTES:

Branch Panel: HA

Location:	ELEC 150	**Volts:**	480/277 Wye	**A.I.C. Rating:**	22 KA
Mounting:	Surface	**Phases:**	3	**Mains Type:**	MLO
Enclosure:	Type 1	**Wires:**	4	**Mains Rating:**	200 A

CKT	Circuit Description	BKR	Poles	A		B		C		Poles	BKR	Circuit Description	CKT
1	HVAC; VAV13	20 A	1	2.0	2.0					1	20 A	Lighting; South	2
3						1.5	2.7						4
5	HVAC; VAV14	20 A	3					1.5	2.7	3	20 A	HVAC; VAV24	6
7				1.5	2.7								8
9						2.3	3.5						10
11	HVAC; VAV15	20 A	3					2.3	3.5	3	20 A	HVAC; VAV25	12
13				2.3	3.5								14
15						2.3	3.3						16
17	HVAC; VAV16	20 A	3					2.3	3.3	3	20 A	HVAC; VAV26	18
19				2.3	3.3								20
21	HVAC; VAV17	20 A	1			1.5	1.5						22
23	HVAC; VAV18	20 A	1					3.0	1.5	3	20 A	HVAC; VAV27	24
25	HVAC; VAV19	20 A	1	1.5	1.5								26
27	HVAC; VAV20	20 A	1			2.0	3.0			1	20 A	HVAC; VAV28	28
29	HVAC; VAV21	20 A	1					3.0	2.5	1	20 A	HVAC; VAV29	30
31	HVAC; VAV22	20 A	1	2.0	1.8					1	20 A	Lighting; Control Rm	32
33	HVAC; VAV23	20 A	1			1.0	0.0			1	20 A	Spare	34
35	Spare	20 A	1					0.0	0.0	1	20 A	Spare	36
37				0.0	0.0					1	20 A	Spare	38
39	Equipment; SOD2	30 A	3			0.0	0.0			1	20 A	Spare	40
41								0.0	0.0	1	20 A	Spare	42
	Connected Load Per Phase:			26.3 kVA		24.7 kVA		25.7 kVA					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Equipment	0 VA	0.00%	0 VA		
HVAC	73000 VA	100.00%	73000 VA	**Connected Load:**	76.66 kVA
Lighting	3783 VA	125.00%	4729 VA	**Demand Load:**	77.58 kVA
				Total Amps:	93 A

NOTES:
** Via Contactor

Branch Panel: HC

Location:	ELEC 150	**Volts:**	480/277 Wye	**A.I.C. Rating:**	22 KA
Mounting:	Surface	**Phases:**	3	**Mains Type:**	MLO
Enclosure:	Type 1	**Wires:**	4	**Mains Rating:**	150 A

CKT	Circuit Description	BKR	Poles	A		B		C		Poles	BKR	Circuit Description	CKT
1				15.0	0.0					1	20 A	Spare	2
3	HVAC; AH1	70 A	3			15.0	0.0			1	20 A	Spare	4
5								15.0	0.0	1	20 A	Spare	6
7				0.9	0.0					1	20 A	Spare	8
9	HVAC; AH1	20 A	3			0.9	0.0			1	20 A	Spare	10
11								0.9	0.0	1	20 A	Spare	12
13				2.1	0.0					1	20 A	Spare	14
15	Motor; CWH1	20 A	3			2.1	0.0			1	20 A	Spare	16
17								2.1	0.0	1	20 A	Spare	18
19				2.1	0.0					1	20 A	Spare	20
21	HVAC; CWH2	20 A	3			2.1	--			1	--	Space	22
23								2.1	--	1	--	Space	24
25	Space	--	1	--	--					1	--	Space	26
27	Space	--	1			--	--			1	--	Space	28
29	Space	--	1					--	--	1	--	Space	30
31	Space	--	1	--	--					1	--	Space	32
33	Space	--	1			--	--			1	--	Space	34
35	Space	--	1					--	--	1	--	Space	36
37				0.0	--					1	--	Space	38
39	Equipment; SPD2	30 A	3			0.0	--			1	--	Space	40
41								0.0	--	1	--	Space	42
	Connected Load Per Phase:			20.1 kVA		20.1 kVA		20.1 kVA					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Equipment	0 VA	0.00%	0 VA		
HVAC	54041 VA	100.00%	54041 VA	**Connected Load:**	60.36 kVA
Motor	6319 VA	125.00%	7899 VA	**Demand Load:**	61.94 kVA
				Total Amps:	75 A

NOTES:

Branch Panel: LA

Location:	ELEC 150	**Volts:**	120/208 Wye	**A.I.C. Rating:**	10 KA
Mounting:	Surface	**Phases:**	3	**Mains Type:**	MCB
Enclosure:	Type 1	**Wires:**	4	**Mains Rating:**	250 A

CKT	Circuit Description	BKR	Poles	A		B		C		Poles	BKR	Circuit Description	CKT
1	Rec; Electrical Room	20 A	1	1.1	0.9					1	20 A	Rec; TPO Board Rm.	2
3	Rec; UPS & Storage Rm	20 A	1			0.9	0.5			1	20 A	Motor; Garbage...	4
5	Rec; Corridor	20 A	1					0.9	1.0	1	20 A	Rec; Coffe Bar MW	6
7	Rec; Restrooms	20 A	1	1.1	0.4					1	20 A	Rec; Coffe Bar	8
9	Rec; EWC	20 A	1			0.7	0.5			1	20 A	Rec; Coffe Bar	10
11	Rec; Break Rm. MW	20 A	1					1.0	0.4	1	20 A	Rec; Coffe Bar	12
13	Rec; Break Rm. DW	20 A	1	0.5	0.5					1	20 A	Rec; Coffe Bar DW	14
15	Rec; Break Room	20 A	1			0.4	1.0			1	20 A	Rec; Coffe Bar Refrig.	16
17	Rec; Break Rm. Refrig.	20 A	1					1.0	0.0	1	20 A	Spare	18
19	Rec; Break Room	20 A	1	0.5	0.0					1	20 A	Spare	20
21	Rec; Break Room	20 A	1			0.5	0.0			1	20 A	Spare	22
23	Rec; Server Room	20 A	1					0.7	0.0	1	20 A	Spare	24
25	Rec; Control Room	20 A	1	0.9	0.0					1	20 A	Spare	26
27	Rec; Offices	20 A	1			0.7	0.0			1	20 A	Spare	28
29	Rec; Offices	20 A	1					1.1	0.0	1	20 A	Spare	30
31	Rec; Offices	20 A	1	0.7	3.5								32
33	Rec; Media Room	20 A	1			0.7	2.8			3	100 A	Panel 'LB'	34
35	Rec; TPO Board Rm.	20 A	1					0.9	2.0				36
37				0.0	9.3								38
39	Equipment; SPD2	30 A	3			0.0	10.1			3	100 A	Panel 'LC'	40
41								0.0	4.2				42
	Connected Load Per Phase:			18.2 kVA		16.5 kVA		13.2 kVA					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Equipment	0 VA	0.00%	0 VA		
HVAC	7429 VA	100.00%	7429 VA	**Connected Load:**	47.73 kVA
Motor	584 VA	121.40%	709 VA	**Demand Load:**	37.01 kVA
Power	9987 VA	100.00%	9987 VA		
Receptacle	31880 VA	65.68%	20940 VA	**Total Amps:**	103 A

NOTES:

Branch Panel: LB

Location:	ELEC 150	**Volts:**	120/208 Wye	**A.I.C. Rating:**	10 KA
Mounting:	Surface	**Phases:**	3	**Mains Type:**	MLO
Enclosure:	Type 1	**Wires:**	4	**Mains Rating:**	100 A

CKT	Circuit Description	BKR	Poles	A		B		C		Poles	BKR	Circuit Description	CKT
1	HVAC; MS11/CU11	20 A	2	1.4	1.4					2	20 A	HVAC; MS12/CU12	2
3						1.4	1.4						4
5	Power; EWH1.1	20 A	2					0.8	0.5	1	20 A	Power; DDC	6
7				0.8	0.4					1	20 A	Rec; Chiller Yard	8
9	Motor; HWP1.1	20 A	1			0.1	0.2			1	20 A	HVAC; CH1	10
11	HVAC; EF12	20 A	1					0.5	0.2	1	20 A	HVAC; CH2	12
13	HVAC; AH1	20 A	1	1.0	0.0					1	20 A	Spare	14
15	Space	--	1			--	0.0			1	20 A	Spare	16
17	Space	--	1					--	0.0	1	20 A	Spare	18
19	Space	--	1	--	0.0					1	20 A	Spare	20
21	Space	--	1			--	0.0			1	20 A	Spare	22
23	Space	--	1					--	0.0	1	20 A	Spare	24
25	Space	--	1	--	0.0					1	20 A	Spare	26
27	Space	--	1			--	0.0			1	20 A	Spare	28
29	Space	--	1					--	--	1	--	Space	30
31	Space	--	1	--	--					1	--	Space	32
33	Space	--	1			--	--			1	--	Space	34
35	Space	--	1					--	--	1	--	Space	36
37				0.0	--					1	--	Space	38
39	Equipment; SPD2	30 A	3			0.0	--			1	--	Space	40
41								0.0	--	1	--	Space	42
	Connected Load Per Phase:			3.5 kVA		2.8 kVA		2.0 kVA					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Equipment	0 VA	0.00%	0 VA		
HVAC	5858 VA	100.00%	5858 VA	**Connected Load:**	7.05 kVA
Motor	84 VA	125.00%	105 VA	**Demand Load:**	7.06 kVA
Power	2000 VA	100.00%	2000 VA		
Receptacle	360 VA	100.00%	360 VA	**Total Amps:**	20 A

NOTES:

AARON JOSEPH LICENSE No. 85273 STATE OF FLORIDA PROFESSIONAL ENGINEER
Digitally signed by Aaron Joseph
Date: 2025.04.01 17:21:46-04'00'

No.	Date	Issue / Revision

AARON JOSEPH, PE
PE 85273

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607
ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO

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

ELECTRICAL PANEL SCHEDULES

DWG NO. AE-503
SHEET NO.

Branch Panel: LC

Location: ELEC. 112 | **Volts:** 120/208 Wye | **A.I.C. Rating:** 10 KA
Mounting: Surface | **Phases:** 3 | **Mains Type:** MCB
Enclosure: Type 1 | **Wires:** 4 | **Mains Rating:** 100 A

CKT	Circuit Description	BKR	Poles	A	B	C	Poles	BKR	Circuit Description	CKT
1	Rec; Rm 101,102	20 A	1	0.7	0.7		1	20 A	Rec; Rm 114A,114C	2
3	Rec; Rm 103,104	20 A	1	0.7	1.1		1	20 A	Rec; Rm 120,21,22	4
5	Rec; Rm 106, 119B	20 A	1			1.1	0.4	1	20 A	Rec; Generator Yard	6
7	Rec; Rm 105, 108	20 A	1	0.9	4.0		2	60 A	Power; Generator Load Center	8
9	Rec; Rm 108	20 A	1		0.5	4.0				10
11	Rec; Rm 119	20 A	1			0.5	0.0	1	20 A	Spare	12
13	Rec; Rm 1118,119	20 A	1	0.9	0.0					14
15	Rec; Rm 1119D	20 A	1		1.6	0.0	1	20 A	Spare	16
17	Rec; Rm 107	20 A	1			0.9	--	1	--	Space	18
19	Receptacle; EWC	20 A	1	0.7	--		1	--	Space	20
21	Rec; Rm 110,115,116	20 A	1		0.7	--	1	--	Space	22
23	Rec; Rm 109	20 A	1			1.1	--	1	--	Space	24
25	Spare	20 A	1	0.0	--		1	--	Space	26
27	Spare	20 A	1		0.0	--	1	--	Space	28
29	Spare	20 A	1			0.0	--	1	--	Space	30
31	Spare	20 A	1	0.0	--		1	--	Space	32
33	Spare	20 A	1		0.0	--	1	--	Space	34
35	Spare	20 A	1			0.0	--	1	--	Space	36
37				0.0	1.4						38
39	Equipment; SPD2	30 A	3		0.0	1.4	3	60 A	Panel 'LE'	40
41						0.0	0.3				42
	Connected Load Per Phase:			9.3 kVA	10.1 kVA	4.2 kVA				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Equipment	0 VA	0.00%	0 VA		
HVAC	3030 VA	100.00%	3030 VA	**Connected Load:**	23.60 kVA
Power	7987 VA	100.00%	7987 VA	**Demand Load:**	22.31 kVA
Receptacle	12580 VA	89.75%	11290 VA		
				Total Amps:	62 A

NOTES:

Branch Panel: CA

Location: ELEC 150 | **Volts:** 120/208 Wye | **A.I.C. Rating:** 10 KA
Mounting: Surface | **Phases:** 3 | **Mains Type:** MCB
Enclosure: Type 1 | **Wires:** 4 | **Mains Rating:** 100 A

CKT	Circuit Description	BKR	Poles	A	B	C	Poles	BKR	Circuit Description	CKT
1				12.2	0.0					1	20 A	Spare	2
3	Panel 'CB'	100 A	3			11.3	0.0			1	20 A	Spare	4
5								9.5	0.0	1	20 A	Spare	6
7	Space	--	1	--	0.0					1	20 A	Spare	8
9	Space	--	1			--	0.0			1	20 A	Spare	10
11	Space	--	1					--	0.0	1	20 A	Spare	12
13	Space	--	1	--	0.0					1	20 A	Spare	14
15	Space	--	1			--	--			1	--	Space	16
17	Space	--	1					--	--	1	--	Space	18
19	Space	--	1	--	--					1	--	Space	20
21	Space	--	1			--	--			1	--	Space	22
23	Space	--	1					--	--	1	--	Space	24
25	Space	--	1	--	--					1	--	Space	26
27	Space	--	1			--	--			1	--	Space	28
29	Space	--	1					--	--	1	--	Space	30
31	Space	--	1	--	--					1	--	Space	32
33	Space	--	1			--	--			1	--	Space	34
35	Space	--	1					--	--	1	--	Space	36
37				0.0	--					1	--	Space	38
39	Equipment; SPD2	30 A	3			0.0	--			1	--	Space	40
41								0.0	--	1	--	Space	42
	Connected Load Per Phase:			12.2 kVA		11.3 kVA			9.5 kVA				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Equipment	0 VA	0.00%	0 VA		
Receptacle	32400 VA	65.43%	21200 VA	**Connected Load:**	32.40 kVA
				Demand Load:	21.20 kVA
				Total Amps:	59 A

NOTES:

Branch Panel: HB

Location: ELEC. 112 | **Volts:** 480/277 Wye | **A.I.C. Rating:** 14 KA
Mounting: Surface | **Phases:** 3 | **Mains Type:** MCB
Enclosure: Type 1 | **Wires:** 4 | **Mains Rating:** 200 A

CKT	Circuit Description	BKR	Poles	A	B	C	Poles	BKR	Circuit Description	CKT
1	HVAC; VAV01	20 A	1	1.0	3.2			1	20 A	Lighting; North	2
3	HVAC; VAV02	20 A	1			2.5	0.0	1	20 A	Lighting; Facade **	4
5	HVAC; VAV03	20 A	1					3.0	0.0	1	20 A	Lighting; Flagpole **	6
7				2.0	0.3					2	20 A	Lighting; Parking **	8
9	HVAC; VAV04	20 A	3			2.0	0.3						10
11								2.0	0.2	1	20 A	Lighting; Post Mtd. **	12
13	HVAC; VAV05	20 A	1	2.5	0.0					1	20 A	Spare	14
15	HVAC; VAV06	20 A	1			1.0	0.0			1	20 A	Spare	16
17								2.2	0.0	1	20 A	Spare	18
19	HVAC; VAV07	20 A	3	2.2	0.0					1	20 A	Spare	20
21						2.2	0.0			1	20 A	Spare	22
23	HVAC; VAV08	20 A	1					2.0	0.0	1	20 A	Spare	24
25	HVAC; VAV09	20 A	1	1.0	0.0					1	20 A	Spare	26
27	HVAC; VAV10	20 A	1			1.5	0.0			1	20 A	Spare	28
29	HVAC; VAV11	20 A	1					1.0	--	1	--	Space	30
31	HVAC; VAV12	20 A	1	3.0	--					1	--	Space	32
33							--			1	--	Space	34
35	Space	--	1					--	--	1	--	Space	36
37				0.0	--					1	--	Space	38
39	Equipment; SPD2	30 A	3			0.0	--			1	--	Space	40
41								0.0	--	1	--	Space	42
	Connected Load Per Phase:			15.1 kVA		9.5 kVA			10.4 kVA				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Equipment	0 VA	0.00%	0 VA		
HVAC	31000 VA	100.00%	31000 VA	**Connected Load:**	35.02 kVA
Lighting	4175 VA	125.00%	5218 VA	**Demand Load:**	36.03 kVA
				Total Amps:	43 A

NOTES:
** Via Contactor

Branch Panel: CB

Location: ELEC. 112 | **Volts:** 120/208 Wye | **A.I.C. Rating:** 10 KA
Mounting: Surface | **Phases:** 3 | **Mains Type:** MCB
Enclosure: Type 1 | **Wires:** 4 | **Mains Rating:** 100 A

CKT	Circuit Description	BKR	Poles	A	B	C	Poles	BKR	Circuit Description	CKT
1	Rec; Immersive Space	20 A	2	1.4	1.4		2	20 A	Receptacle	2
3						1.4	1.4				4
5	Rec; Immersive Space	20 A	2					1.4	1.4	2	20 A	Receptacle	6
7				1.4	1.4								8
9	Rec; Immersive Space	20 A	2			1.4	1.4			2	20 A	Receptacle	10
11								1.4	1.4				12
13	Rec; Immersive Space	20 A	2	1.4	1.4					2	20 A	Receptacle	14
15						1.4	1.4						16
17	Rec; Immersive Space	20 A	2					1.4	0.0	1	20 A	Spare	18
19				1.4	0.0					1	20 A	Spare	20
21	Rec; Immersive Space	20 A	2			1.4	0.0			1	20 A	Spare	22
23								1.4	0.0	1	20 A	Spare	24
25	Rec; Immersive Space	20 A	2	1.4	0.0					1	20 A	Spare	26
27						1.4	0.0			1	20 A	Spare	28
29	Rec; Immersive Space	20 A	2					1.4	0.0	1	20 A	Spare	30
31				1.4	0.0					1	20 A	Spare	32
33	Video Panel	20 A	1			0.5	--			1	--	Space	34
35	Space	--	1					--	--	1	--	Space	36
37				0.0	--					1	--	Space	38
39	Equipment; SPD2	30 A	3			0.0	--			1	--	Space	40
41								0.0	--	1	--	Space	42
	Connected Load Per Phase:			12.2 kVA		11.3 kVA			9.5 kVA				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Equipment	0 VA	0.00%	0 VA		
Receptacle	32400 VA	65.43%	21200 VA	**Connected Load:**	32.40 kVA
				Demand Load:	21.20 kVA
				Total Amps:	59 A

NOTES:

Branch Panel: LE

Location: ELEC. 112 | **Volts:** 120/208 Wye | **A.I.C. Rating:** 10 KA
Mounting: Surface | **Phases:** 3 | **Mains Type:** MCB
Enclosure: Type 1 | **Wires:** 4 | **Mains Rating:** 60 A

CKT	Circuit Description	BKR	Poles	A	B	C	Poles	BKR	Circuit Description	CKT
1	HVAC; MS2/CU2	20 A	2	1.4	0.0			1	20 A	Spare	2
3						1.4	0.0			1	20 A	Spare	4
5	HVAC; EF11	20 A	1					0.3	0.0	1	20 A	Spare	6
7	Spare	20 A	1	0.0	--					1	--	Space	8
9	Spare	20 A	1			0.0	--			1	--	Space	10
11	Spare	20 A	1					0.0	--	1	--	Space	12
13	Spare	20 A	1	0.0	--					1	--	Space	14
15	Spare	20 A	1			0.0	--			1	--	Space	16
17	Space	--	1					--	--	1	--	Space	18
19	Space	--	1	--	--					1	--	Space	20
21	Space	--	1			--	--			1	--	Space	22
23	Space	--	1					--	--	1	--	Space	24
25	Space	--	1	--	--					1	--	Space	26
27	Space	--	1			--	--			1	--	Space	28
29	Space	--	1					--	--	1	--	Space	30
31	Space	--	1	--	--					1	--	Space	32
33	Space	--	1			--	--			1	--	Space	34
35	Space	--	1					--	--	1	--	Space	36
37				0.0	--					1	--	Space	38
39	Equipment; SPD2	30 A	3			0.0	--			1	--	Space	40
41								0.0	--	1	--	Space	42
	Connected Load Per Phase:			1.4 kVA		1.4 kVA			0.3 kVA				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Equipment	0 VA	0.00%	0 VA		
HVAC	3030 VA	100.00%	3030 VA	**Connected Load:**	3.03 kVA
				Demand Load:	3.03 kVA
				Total Amps:	8 A

NOTES:

AARON JOSEPH LICENSE No. 85273 STATE OF FLORIDA PROFESSIONAL ENGINEER
Digitally signed by Aaron Joseph
Date: 2025.04.01 17:21:55-04'00'

No.	Date	Issue / Revision

AARON JOSEPH, PE
PE 85273

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607
ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO

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

ELECTRICAL PANEL SCHEDULES

DWG NO. AE-504
SHEET NO.

Branch Panel: UA

Location:	UPS 153	**Volts:**	120/208 Wye	**A.I.C. Rating:**	10 KA
Mounting:	Surface	**Phases:**	3	**Mains Type:**	MCB
Enclosure:	Type 1	**Wires:**	4	**Mains Rating:**	300 A

CKT	Circuit Description	BKR	Poles	A		B		C		Poles	BKR	Circuit Description	CKT
1	Rec; Control Room	20 A	1	0.4	0.4					1	20 A	Rec; Control Room	2
3	Rec; Control Room	20 A	1			0.4	0.4			1	20 A	Rec; Control Room	4
5	Rec; Control Room	20 A	1					0.4	0.4	1	20 A	Rec; Control Room	6
7	Rec; Control Room	20 A	1	0.4	0.4					1	20 A	Rec; Control Room	8
9	Rec; Control Room	20 A	1			0.4	0.4			1	20 A	Rec; Control Room	10
11	Rec; Control Room	20 A	1					0.4	0.4	1	20 A	Rec; Control Room	12
13	Rec; Control Room	20 A	1	0.4	0.4					1	20 A	Rec; Control Room	14
15	Rec; Control Room	20 A	1			0.4	0.4			1	20 A	Rec; Control Room	16
17	Rec; Control Room	20 A	1					0.4	0.4	1	20 A	Rec; Control Room	18
19	Rec; Office 154	20 A	1	0.5	0.5					1	20 A	Rec; Office 160	20
21	Rec; Office 155	20 A	1			0.5	0.0			1	20 A	Spare	22
23	Rec; Office 156	20 A	1					0.5	0.0	1	20 A	Spare	24
25	Rec; Office 157	20 A	1	0.5	0.0					1	20 A	Spare	26
27	Rec; Office 158	20 A	1			0.5	0.0			1	20 A	Spare	28
29	Rec; Office 159	20 A	1					0.5	0.0	1	20 A	Spare	30
31				3.5	7.0								32
33	Panel 'UD'	100 A	3			3.8	7.0			3	100 A	Panel 'UB'	34
35								3.4	7.0				36
37				0.0	4.8								38
39	Equipment; SPD2	30 A	3			0.0	5.2			3	100 A	Panel 'UC'	40
41								0.0	4.7				42
	Connected Load Per Phase:			19.1 kVA		19.2 kVA		18.3 kVA					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Equipment	0 VA	0.00%	0 VA		
Receptacle	56640 VA	58.83%	33320 VA	**Connected Load:**	56.64 kVA
				Demand Load:	33.32 kVA
				Total Amps:	92 A

NOTES:

Branch Panel: UB

Location:	UPS 153	**Volts:**	120/208 Wye	**A.I.C. Rating:**	10 KA
Mounting:	Surface	**Phases:**	3	**Mains Type:**	MLO
Enclosure:	Type 1	**Wires:**	4	**Mains Rating:**	100 A

CKT	Circuit Description	BKR	Poles	A		B		C		Poles	BKR	Circuit Description	CKT
1	Rec; Cntrl Rm. Vid. Wall	20 A	1	1.0	0.5					1	20 A	Rec; Cntrl Rm. Vid. Wall	2
3	Rec; Cntrl Rm. Vid. Wall	20 A	1			1.0	0.5			1	20 A	Rec; Cntrl Rm. Vid. Wall	4
5	Rec; Cntrl Rm. Vid. Wall	20 A	1					1.0	0.5	1	20 A	Rec; Cntrl Rm. Vid. Wall	6
7	Rec; Cntrl Rm. Vid. Wall	20 A	1	0.5	0.5					1	20 A	Rec; Cntrl Rm. Vid. Wall	8
9	Rec; Cntrl Rm. Vid. Wall	20 A	1			0.5	0.5			1	20 A	Rec; Cntrl Rm. Vid. Wall	10
11	Rec; Cntrl Rm. Vid. Wall	20 A	1					0.5	0.5	1	20 A	Rec; Cntrl Rm. Vid. Wall	12
13	Rec; Cntrl Rm. Vid. Wall	20 A	1	0.5	0.5					1	20 A	Rec; Cntrl Rm. Vid. Wall	14
15	Rec; Cntrl Rm. Vid. Wall	20 A	1			0.5	0.5			1	20 A	Rec; Cntrl Rm. Vid. Wall	16
17	Rec; Cntrl Rm. Vid. Wall	20 A	1					0.5	0.5	1	20 A	Rec; Cntrl Rm. Vid. Wall	18
19	Rec; Cntrl Rm. Vid. Wall	20 A	1	0.5	0.5					1	20 A	Rec; Cntrl Rm. Vid. Wall	20
21	Rec; Cntrl Rm. Vid. Wall	20 A	1			0.5	0.5			1	20 A	Rec; Cntrl Rm. Vid. Wall	22
23	Rec; Cntrl Rm. Vid. Wall	20 A	1					0.5	0.5	1	20 A	Rec; Cntrl Rm. Vid. Wall	24
25	Rec; Cntrl Rm. Vid. Wall	20 A	1	0.5	0.5					1	20 A	Rec; Cntrl Rm. Vid. Wall	26
27	Rec; Cntrl Rm. Vid. Wall	20 A	1			0.5	0.5			1	20 A	Rec; Cntrl Rm. Vid. Wall	28
29	Rec; Cntrl Rm. Vid. Wall	20 A	1					0.5	0.5	1	20 A	Rec; Cntrl Rm. Vid. Wall	30
31	Rec; Cntrl Rm. Vid. Wall	20 A	1	0.5	1.0					1	20 A	Rec; Cntrl Rm. Vid. Wall	32
33	Rec; Cntrl Rm. Vid. Wall	20 A	1			0.5	1.0			1	20 A	Rec; Cntrl Rm. Vid. Wall	34
35	Rec; Cntrl Rm. Vid. Wall	20 A	1					0.5	1.0	1	20 A	Rec; Cntrl Rm. Vid. Wall	36
37				0.0	0.0					1	20 A	Spare	38
39	Equipment; SPD2	30 A	3			0.0	0.0			1	20 A	Spare	40
41								0.0	0.0	1	20 A	Spare	42
	Connected Load Per Phase:			7.0 kVA		7.0 kVA		7.0 kVA					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Equipment	0 VA	0.00%	0 VA		
Receptacle	21000 VA	73.81%	15500 VA	**Connected Load:**	21.00 kVA
				Demand Load:	15.50 kVA
				Total Amps:	43 A

NOTES:

Branch Panel: UC

Location:	ELEC. 112	**Volts:**	120/208 Wye	**A.I.C. Rating:**	10 KA
Mounting:	Surface	**Phases:**	3	**Mains Type:**	MLO
Enclosure:	Type 1	**Wires:**	4	**Mains Rating:**	100 A

CKT	Circuit Description	BKR	Poles	A		B		C		Poles	BKR	Circuit Description	CKT
1	Receptacle; Rm 101	20 A	1	0.5	0.5					1	20 A	Receptacle; Copier	2
3	Receptacle; Rm 102	20 A	1			0.5	1.0			1	20 A	Receptacle; Rm 109	4
5	Receptacle; Rm 103	20 A	1					0.5	0.9	1	20 A	Receptacle; Rm 107	6
7	Receptacle; Rm 104	20 A	1	0.5	0.4					1	20 A	Receptacle; Rm 107,08	8
9	Receptacle; Rm 105	20 A	1			0.5	0.5			1	20 A	Receptacle	10
11	Receptacle; Rm 108	20 A	1					1.0	0.5	1	20 A	Receptacle	12
13	Receptacle; Rm 108	20 A	1	1.0	0.5					1	20 A	Receptacle	14
15	Receptacle; Rm 119	20 A	1			0.9	0.5			1	20 A	Receptacle	16
17	Receptacle; Rm 119	20 A	1					1.0	0.7	1	20 A	Receptacle; Rm 121,22	18
19	Receptacle; Rm 119	20 A	1	1.0	0.4					1	20 A	Receptacle; Rm 122	20
21	Receptacle; Rm 119	20 A	1			0.9	0.4			1	20 A	Receptacle; Mail Rm	22
23	Spare	20 A	1					0.0					24
25	Spare	20 A	1	0.0	--					1	--	Space	26
27	Spare	20 A	1			0.0	--			1	--	Space	28
29	Spare	20 A	1					0.0	--	1	--	Space	30
31	Spare	20 A	1	0.0	--					1	--	Space	32
33	Spare	20 A	1			0.0	--			1	--	Space	34
35	Spare	20 A	1					0.0	--	1	--	Space	36
37				0.0	--					1	--	Space	38
39	Equipment; SPD2	30 A	3			0.0	--			1	--	Space	40
41								0.0	--	1	--	Space	42
	Connected Load Per Phase:			4.8 kVA		5.2 kVA		4.7 kVA					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Equipment	0 VA	0.00%	0 VA		
Receptacle	14660 VA	84.11%	12330 VA	**Connected Load:**	14.66 kVA
				Demand Load:	12.33 kVA
				Total Amps:	34 A

NOTES:

Branch Panel: UD

Location:	UPS 153	**Volts:**	120/208 Wye	**A.I.C. Rating:**	10 KA
Mounting:	Surface	**Phases:**	3	**Mains Type:**	MLO
Enclosure:	Type 1	**Wires:**	4	**Mains Rating:**	100 A

CKT	Circuit Description	BKR	Poles	A		B		C		Poles	BKR	Circuit Description	CKT
1	Rec; Media Room	20 A	1	0.7	0.4					1	20 A	Rec; Server Racks	2
3	Rec; TPO Board Rm.	20 A	1			0.4	0.4			1	20 A	Rec; Server Racks	4
5	Rec; TPO Video Wall	20 A	1					0.4	0.4	1	20 A	Rec; Server Racks	6
7	Rec; TPO Board Rm.	20 A	1	0.4	0.4					1	20 A	Rec; Server Racks	8
9	Rec; TPO Board Rm.	20 A	1			1.0	0.4			1	20 A	Rec; Server Racks	10
11	Rec; TPO Board Rm.	20 A	1					1.0	0.4	1	20 A	Rec; Server Racks	12
13	Rec; TPO Board Rm.	20 A	1	1.0	0.4					1	20 A	Rec; Server Racks	14
15	Rec; TPO Board Rm.	20 A	1			1.0	0.4			1	20 A	Rec; Server Racks	16
17	Rec; TPO Board Rm.	20 A	1					1.0	0.4	1	20 A	Rec; Server Racks	18
19	Space	--	1	--	0.4					1	20 A	Rec; Server Racks	20
21	Space	--	1			--	0.4			1	20 A	Rec; Server Room	22
23	Space	--	1					--	0.0	1	20 A	Spare	24
25	Space	--	1	--	0.0					1	20 A	Spare	26
27	Space	--	1			--	0.0			1	20 A	Spare	28
29	Space	--	1					--	0.0	1	20 A	Spare	30
31	Space	--	1	--	0.0					1	20 A	Spare	32
33	Space	--	1			--	0.0			1	20 A	Spare	34
35	Space	--	1					--	0.0	1	20 A	Spare	36
37				0.0	0.0					1	20 A	Spare	38
39	Equipment; SPD2	30 A	3			0.0	0.0			1	20 A	Spare	40
41								0.0	0.0	1	20 A	Spare	42
	Connected Load Per Phase:			3.5 kVA		3.8 kVA		3.4 kVA					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Equipment	0 VA	0.00%	0 VA		
Receptacle	10720 VA	96.64%	10360 VA	**Connected Load:**	10.72 kVA
				Demand Load:	10.36 kVA
				Total Amps:	29 A

NOTES:

AARON JOSEPH LICENSE No. 85273 Digitally signed by Aaron Joseph Date: 2025.04.01 17:22:04-04'00' STATE OF FLORIDA PROFESSIONAL ENGINEER

No.	Date	Issue / Revision

AARON JOSEPH, PE
PE 85273

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607
ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO

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

ELECTRICAL PANEL SCHEDULES

DWG NO. AE-505

SHEET NO.

CONDUCTOR LEGEND

A – INITIATION DEVICE LOOP – MINIMUM #18 TWISTED SHIELDED PAIR.

B – STROBE CIRCUIT – MINIMUM #18 AWG. PROVIDE #12 OF HIGHER WHERE REQUIRED FOR VOLTAGE DROP.

C – SPEAKER CIRCUIT – MINIMUM #18 AWG. PROVIDE #12 OF HIGHER WHERE REQUIRED FOR VOLTAGE DROP.

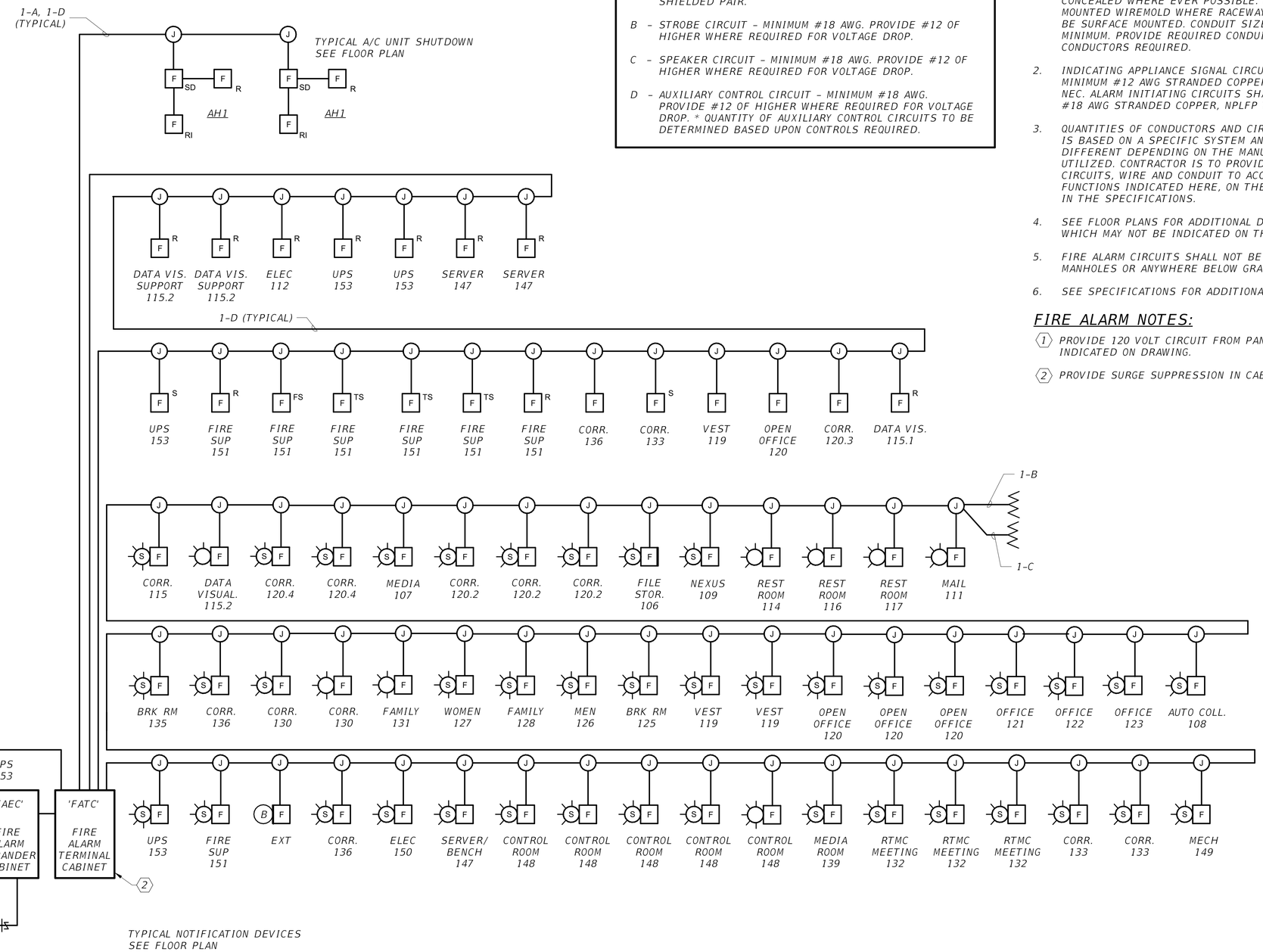
D – AUXILIARY CONTROL CIRCUIT – MINIMUM #18 AWG. PROVIDE #12 OF HIGHER WHERE REQUIRED FOR VOLTAGE DROP. * QUANTITY OF AUXILIARY CONTROL CIRCUITS TO BE DETERMINED BASED UPON CONTROLS REQUIRED.

FIRE ALARM GENERAL NOTES:

1. ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT SIZED IN ACCORDANCE WITH NEC. ALL CONDUIT SHALL BE CONCEALED WHERE EVER POSSIBLE. PROVIDE SURFACE MOUNTED WIREMOLD WHERE RACEWAY IS REQUIRED TO BE SURFACE MOUNTED. CONDUIT SIZES SHOWN ARE MINIMUM. PROVIDE REQUIRED CONDUIT FOR NUMBER OF CONDUCTORS REQUIRED.
2. INDICATING APPLIANCE SIGNAL CIRCUITS SHALL BE A MINIMUM #12 AWG STRANDED COPPER, NPLFP TYPE, PER NEC. ALARM INITIATING CIRCUITS SHALL BE A MINIMUM #18 AWG STRANDED COPPER, NPLFP TYPE, PER NEC.
3. QUANTITIES OF CONDUCTORS AND CIRCUITING INDICATED IS BASED ON A SPECIFIC SYSTEM AND MAY BE DIFFERENT DEPENDING ON THE MANUFACTURER UTILIZED. CONTRACTOR IS TO PROVIDE ALL NECESSARY CIRCUITS, WIRE AND CONDUIT TO ACCOMPLISH THE FUNCTIONS INDICATED HERE, ON THE FLOOR PLANS AND IN THE SPECIFICATIONS.
4. SEE FLOOR PLANS FOR ADDITIONAL DEVICES REQUIRED WHICH MAY NOT BE INDICATED ON THE RISER DIAGRAM.
5. FIRE ALARM CIRCUITS SHALL NOT BE SPLICED INSIDE MANHOLES OR ANYWHERE BELOW GRADE.
6. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS

FIRE ALARM NOTES:

1. PROVIDE 120 VOLT CIRCUIT FROM PANELBOARD AS INDICATED ON DRAWING.
2. PROVIDE SURGE SUPPRESSION IN CABINET



FIRE ALARM RISER DIAGRAM

NOT TO SCALE

No.	Date	Issue / Revision

WGI

AARON JOSEPH, PE
PE 85273

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607
ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO

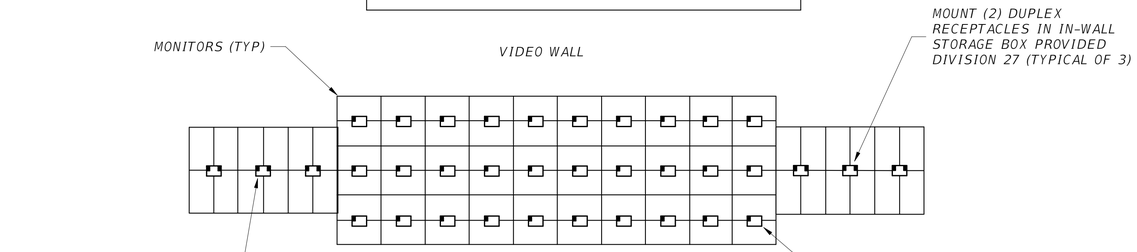
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

FIRE ALARM RISER DIAGRAM

DWG NO. AE-601

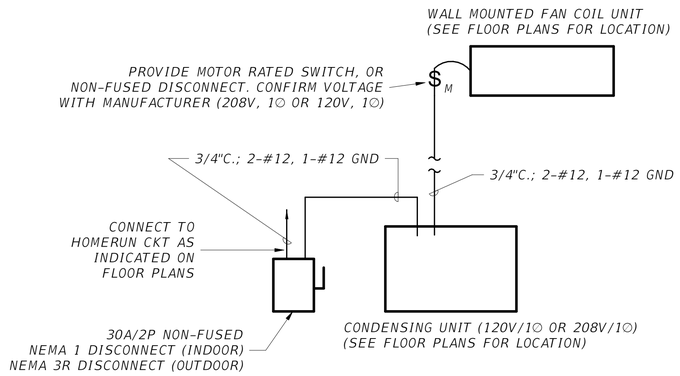
SHEET NO.

COORDINATE EXACT PLACEMENT OF DUPLEX RECEPTACLES IN IN-WALL STORAGE BOX WITH DIVISION 27.



VIDEO WALL DISPLAY - CONTROL ROOM 163

NOT TO SCALE



TYPICAL WIRING DETAIL FOR DUCTLESS SPLIT SYSTEMS

NOT TO SCALE

EXAMPLE

'HA1'
480Y/277V, 3∅, 4W.
FED FROM PANEL 'DP'
CIR-1,3,5

NOTES:

PROVIDE NAMEPLATE LABELS ON ALL EQUIPMENT. EACH NAME PLATE SHALL HAVE THE FOLLOWING INFORMATION:
1. EQUIPMENT NAME
2. LOCATION FROM WHICH EQUIPMENT IS BEING FED
3. FROM. INCLUDE CIRCUIT NUMBERS

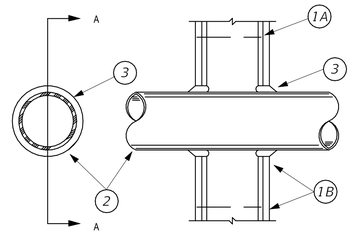
TYPICAL NAMEPLATE DETAIL

NOT TO SCALE

System No. W-L-1001

June 15, 2005

F Ratings — 1, 2, 3 and 4 Hr (See Items 2 and 3)
T Ratings — 0, 1, 2, 3, and 4 Hr (See Item 3)
L Rating At Ambient — less than 1 CFM/sq ft
L Rating At 400 F — less than 1 CFM/sq ft



SECTION A-A

FIRE-RATED WALL PENETRATION DETAIL FOR PIPE OR CONDUIT

NOT TO SCALE

1. WALL ASSEMBLY - THE 1, 2, 3 OR 4 HR FIRE-RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL U300 OR U400 SERIES WALL OR PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:

   A. STUDS - WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS (MAX 2 H FIRE RATED ASSEMBLIES) OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. (51 BY 102 MM) LUMBER SPACED 16 IN. (406 MM) OC WITH NOM 2 BY 4 IN. (51 BY 102 MM) LUMBER END PLATES AND CROSS BRACES. STEEL STUDS TO BE MIN 3-5/8 IN. (92 MM) WIDE BY 1-3/8 IN. (35 MM) DEEP CHANNELS SPACED MAX 24 IN. (610 MM) OC.

   B. GYPSUM BOARD* - NOM 1/2 OR 5/8 IN. (13 OR 16 MM) THICK, 4 FT. (122 CM) WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM WALLBOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAX DIAM OF OPENING IS 26 IN. (660 MM).

2. THROUGH-PENETRANT — ONE METALLIC PIPE, CONDUIT OR TUBING INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE BETWEEN PIPE, CONDUIT OR TUBING AND PERIPHERY OF OPENING SHALL BE MIN OF 0 IN / (0 MM). (POINT CONTACT) TO MAX 2 IN. (51 MM) PIPE, CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, CONDUITS OR TUBING MAY BE USED:

   A. STEEL PIPE — NOM 24 IN. (610 MM) DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE.

   B. IRON PIPE — NOM 24 IN. (610 MM) DIAM (OR SMALLER) SERVICE WEIGHT (OR HEAVIER) CAST IRON SOIL PIPE, NOM 12 IN (305 MM) DIAM (OR SMALLER) OR CLASS 50 (OR HEAVIER) DUCTILE IRON PRESSURE PIPE.

   C. CONDUIT — NOM 6 IN. (152 MM) DIAM (OR SMALLER) STEEL CONDUIT OR NOM 4 IN (102 MM) DIAM (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING

   D. COPPER TUBING — NOM 6 IN. (152 MM) DIAM (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING

   E. COPPER PIPE — NOM 6 IN. (152 MM) DIAM (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.

   F. THROUGH PENETRATING PRODUCT* — FLEXIBLE METAL PIPING THE FOLLOWING TYPES OF STEEL FLEXIBLE METAL GAS PIPING MAY BE USED:

      1) NOM 2 IN. (51 MM) DIAM (OR SMALLER) STEEL FLEXIBLE METAL GAS PIPING. PLASTIC COVERING ON PIPING MAY OR MAY NOT BE REMOVED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY. OMEGA FLEX INC
      2) NOM 1 IN. (25 MM) DIAM (OR SMALLER) STEEL FLEXIBLE METAL GAS PIPING. PLASTIC COVERING ON PIPING MAY OR MAY NOT BE REMOVED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY. GASTITE, DIV OF TITEFLEX
      3) NOM 1 IN. (25 MM) DIAM (OR SMALLER) STEEL FLEXIBLE METAL GAS PIPING. PLASTIC COVERING ON PIPING MAY OR MAY NOT BE REMOVED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY. WARD MFG L L C

3. FILL, VOID OR CAVITY MATERIAL* — CAULK OR SEALANT — MIN 5/8. , 1-1/4,1-7/8 AND 2-1/2 IN. (16, 32, 48 AND 64 MM) THICKNESS OF CAULK FOR 1, 2, 3 AND 4 HR RATED ASSEMBLIES, RESPECTIVELY, APPLIED WITHIN ANNULUS, FLUSH WITH BOTH SURFACES OF WALL. MIN 1/4 IN. (6 MM) DIAM BEAD OF CAULK APPLIED TO GYPSUM BOARD/PENETRANT INTERFACE AT POINT CONTACT LOCATION ON BOTH SIDES OF WALL. THE HOURLY F RATING OF THE FIRESTOP SYSTEM IS DEPENDENT UPON THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED, AS SHOWN IN THE FOLLOWING TABLE. THE HOURLY T RATING OF THE FIRESTOP SYSTEM IS DEPENDENT UPON THE TYPE OR SIZE OF THE PIPE OR CONDUIT AND THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED, AS TABULATED BELOW:

MAX PIPE OR CONDUIT DIAM. IN (MM)	F RATING HR	T RATING HR
1 (25)	1 or 2	0+, 1 or 2
1 (25)	3 or 4	3 or 4
4 (102)	1 or 2	0
6 (152)	3 or 4	0
12 (305)	1 or 2	0

+WHEN COPPER PIPE IS USED, T RATING IS 0 H.

3M COMPANY — CP 25WB+ OR FB-3000 WT.

* INDICATES SUCH PRODUCTS SHALL BEAR THE UL OR CUL CERTIFICATION MARK FOR JURISDICTIONS EMPLOYING THE UL OR CUL CERTIFICATION (SUCH AS CANADA), RESPECTIVELY.

LAST UPDATED ON 2005-06-15

AARON JOSEPH LICENSE No. 85273 Digitally signed by Aaron Joseph Date: 2025.04.01 17:22:21-04'00' STATE OF FLORIDA PROFESSIONAL ENGINEER

No.	Date	Issue / Revision

AARON JOSEPH, PE
PE 85273

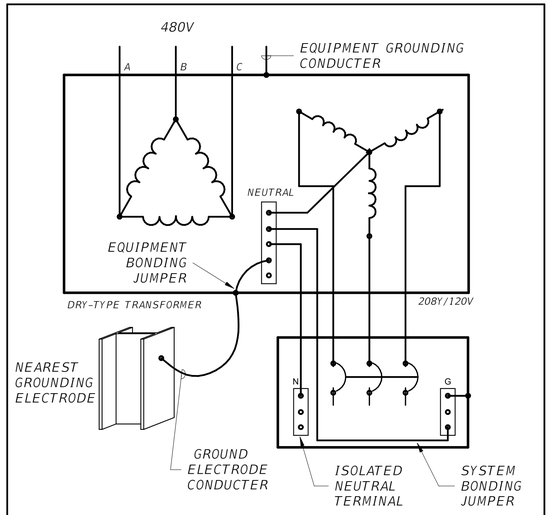
WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607
ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO

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

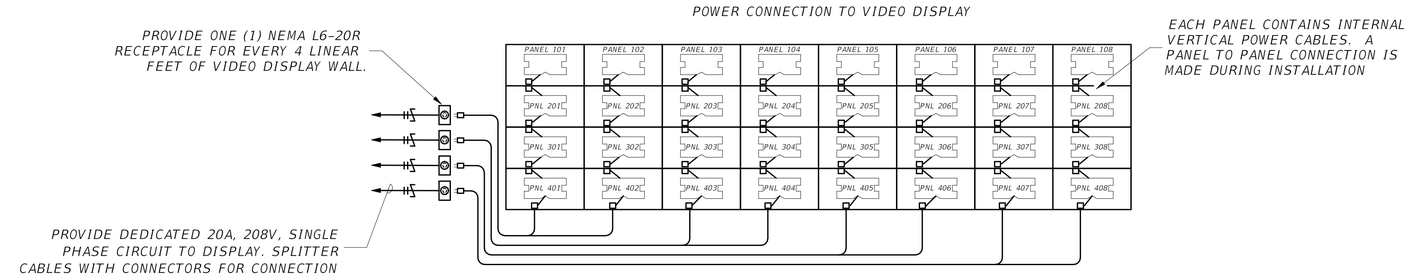
ELECTRICAL DETAILS

DWG NO.
AE-701
SHEET NO.



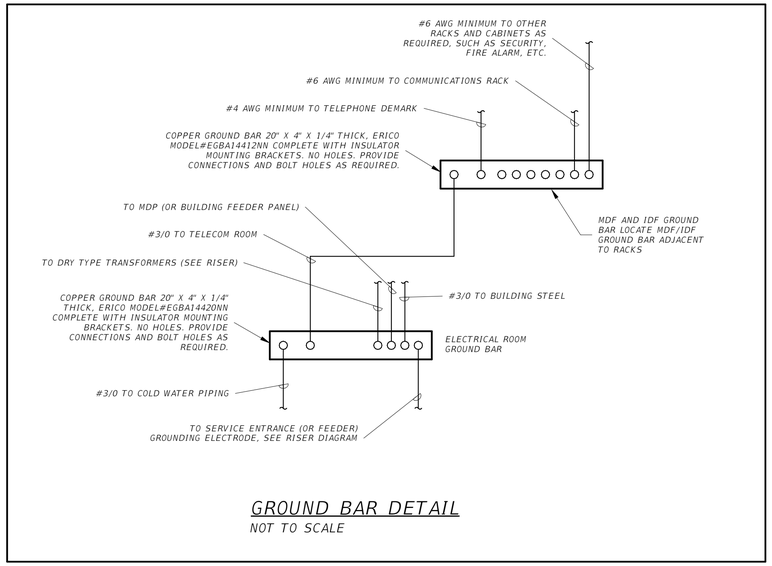
TRANSFORMER GROUNDING DETAIL

NOT TO SCALE



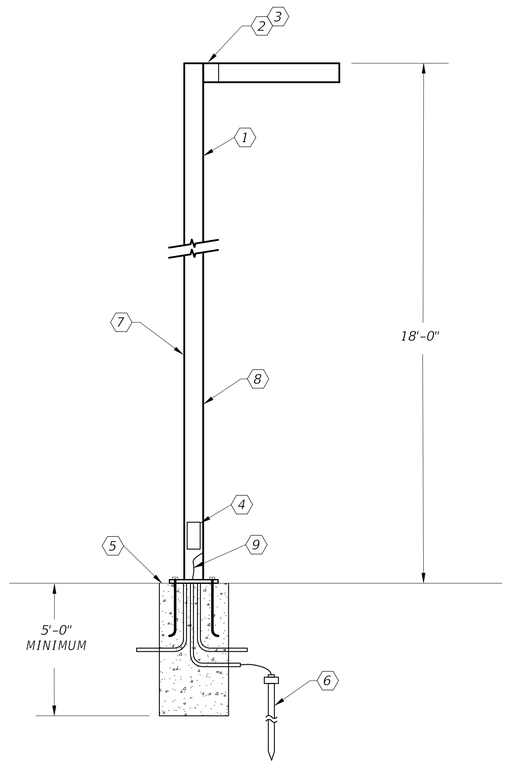
VIDEO WALL DISPLAY WIRING DETAIL – IMMERSIVE SPACE #116

NOT TO SCALE



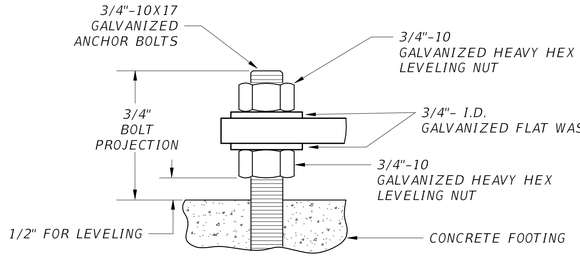
GROUND BAR DETAIL

NOT TO SCALE



DETAIL NOTES:

1. PROVIDE A 18' SQUARE ALUMINUM POLE. THE POLE, COMPLETE WITH MOUNTING DEVICE AND LUMINAIRES IN PLACE, SHALL BE CAPABLE OF WITHSTANDING THE FOLLOWING: ULTIMATE WIND SPEED AS SPECIFIED IN THE FLORIDA BUILDING CODE 7TH EDITION (2020).
2. PROVIDE REQUIRED BRACKET ARM AND ACCESSORIES COMPATIBLE WITH POLE DESIGN, WITH STRENGTH ADEQUATE FOR WIND SPEED AS SPECIFIED IN THE FLORIDA BUILDING CODE.
3. PROVIDE GROUND WIRE ATTACHED TO GROUND LUG OR THROUGH BOLT ON BRACKET ARM, AND TO GROUND LUG ON LUMINAIRE.
4. STANDARD HANDHOLE WITH ALUMINUM METAL COVER ATTACHED WITH STAINLESS STEEL MACHINE SCREWS. MAKE CIRCUIT SPLICES IN THIS HANDHOLE.
5. BACKFILL IN ACCORDANCE WITH SECTION 125.8 STANDARD SPECIFICATIONS FOR FLORIDA DEPARTMENT OF TRANSPORTATION ROAD CONSTRUCTION.
6. PROVIDE 3/4" DIA. X 20'-0" COPPER GROUND ROD AT EACH POLE. PROVIDE #6 AWG, CU BARE GROUND WIRE BONDED TO GROUND ROD (TYPICAL).
7. PROVIDE STRUCTURAL ENGINEERING DRAWINGS CERTIFYING POLE AND POLE BASE COMPLIANCE WITH FLORIDA BUILDING CODE WIND LOAD REQUIREMENTS FOR THE ACTUAL SOIL CONDITIONS. DRAWING SHALL BE SIGNED AND SEALED BY A FLORIDA REGISTERED P.E..
8. POLE AND POLE BASE SHALL COMPLY WITH FDOT STANDARD INDEX NO. 17515, FOR A STANDARD ROADWAY ALUMINUM POLE. FIXTURE/LUMINAIRE ARMS SHALL COMPLY WITH LUMINAIRE MANUFACTURERS MOUNTING AND INSTALLATION INSTRUCTIONS AND WIND LOAD CRITERIA.
9. BOND TO GROUND ROD WITH #6 AWG CU.



ANCHOR BOLT DETAIL

SITE LIGHTING POLE DETAILS

NOT TO SCALE

AARON JOSEPH LICENSE No. 85273 Digitally signed by Aaron Joseph Date: 2025.04.01 17:22:30-04'00' STATE OF FLORIDA PROFESSIONAL ENGINEER

No.	Date	Issue / Revision

WGI

AARON JOSEPH, PE
PE 85273

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607
ENGINEERING BUSINESS LICENSE NO.: 33574

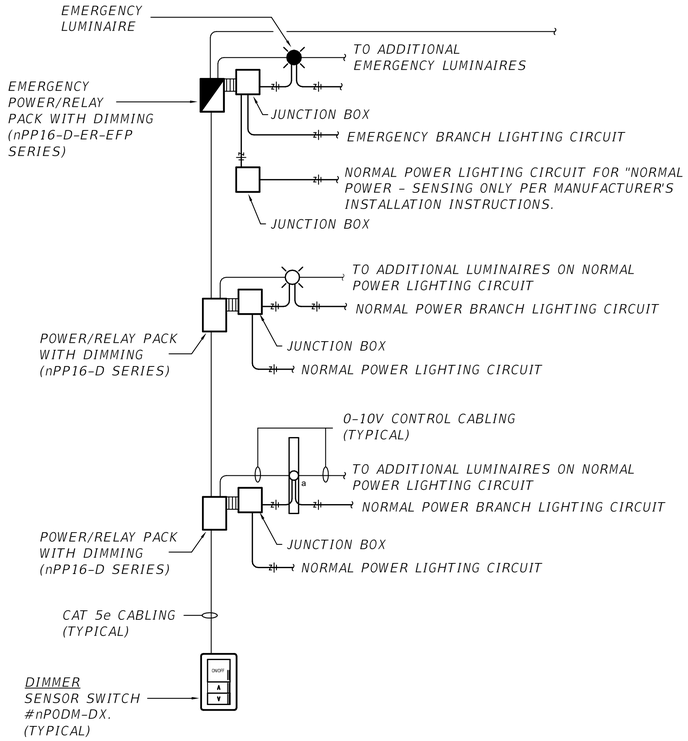
FLORIDA-ALABAMA TPO

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

ELECTRICAL DETAILS

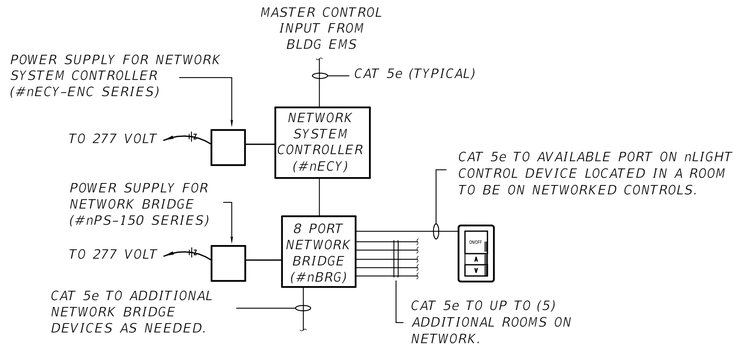
DWG NO. AE-702

SHEET NO.



LIGHTING CONTROL SYSTEM GENERAL NOTES:

1. LIGHTING CONTROL SYSTEM SHALL BE nLIGHT/SENSOR SWITCH OR APPROVED EQUAL. SUBSTITUTIONS WILL NOT BE ACCEPTED WITHOUT WRITTEN PRIOR APPROVAL BY OFFICIAL ADDENDUM PRIOR TO BID.
2. PROVIDE ALL SWITCHES, DIMMERS, POWER PACKS OR OTHER EQUIPMENT AS PART OF A COMPLETE LIGHTING CONTROLLER PACKAGE. COORDINATE COMPATIBILITY OF ANY LUMINAIRES THAT ARE NOT nLIGHT ENABLED AND DIMMING POWER/RELAY PACKS PRIOR TO PURCHASING.
3. INSTRUCT OWNER HOW TO BYPASS LIGHTING CONTROL SYSTEM AND TURN LUMINAIRES ON AND MAKE SPACE USABLE IN THE EVENT OF A SYSTEM FAILURE.
4. SEE SPECIFICATION 26 0923 FOR WARRANTY, TRAINING, COMMISSIONING AND CLOSE-OUT REQUIREMENTS.
5. ALL nLIGHT ENABLED LUMINAIRES AND DEVICES CONNECTED VIA CAT-5e CABLING MUST BE CONNECTED IN A "DAISY-CHAINED" MANNER TO ACHIEVE PROPER CONTROL.
6. PROVIDE ALL SET-UP, PROGRAMMING AND TRAINING.



TYPICAL LIGHTING CONTROLS DIAGRAM

NOT TO SCALE

No.	Date	Issue / Revision

AARON JOSEPH, PE
PE 85273

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607
ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO

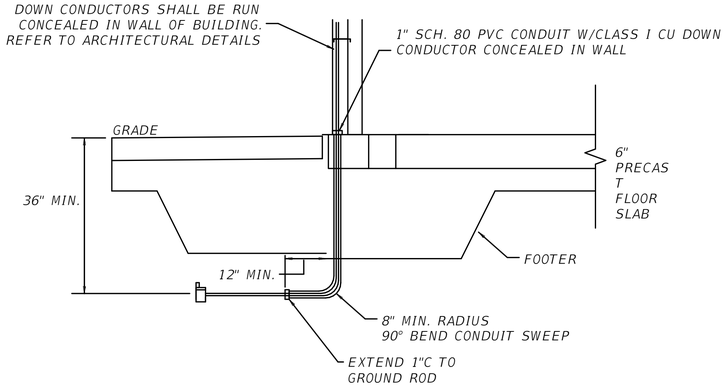
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NORTH W STREET	ESCAMBIA	451524-1-38-01

ELECTRICAL DETAILS

DWG NO. AE-703

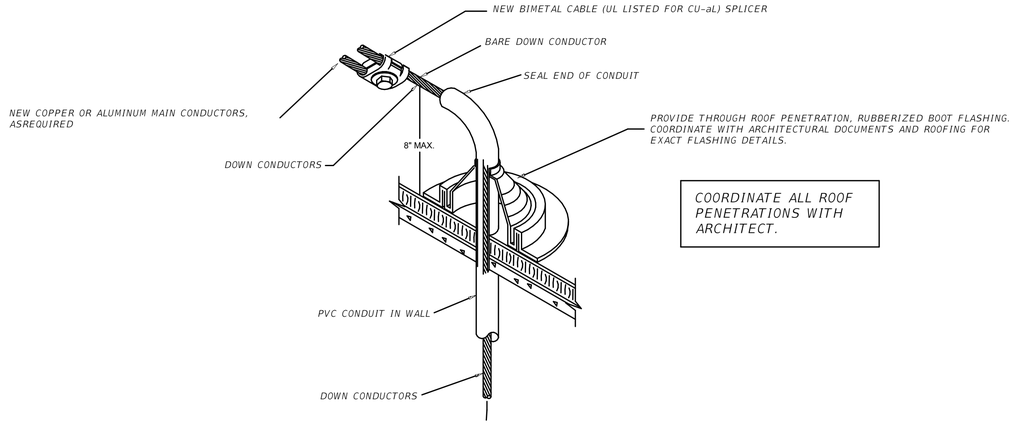
SHEET NO.

4/1/2025 4:46:32 PM



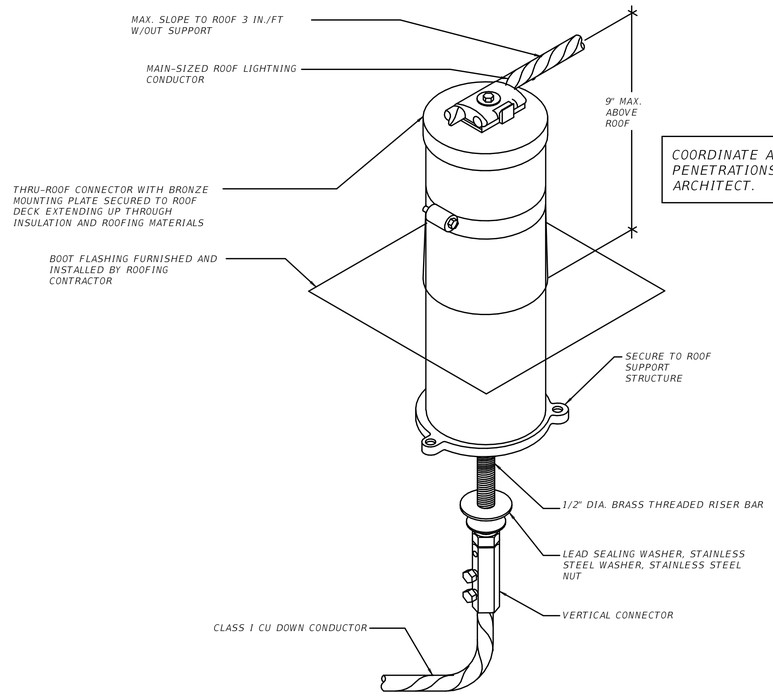
DOWN CONDUCTOR CONDUIT ENLARGED WALL SECTION

NOT TO SCALE



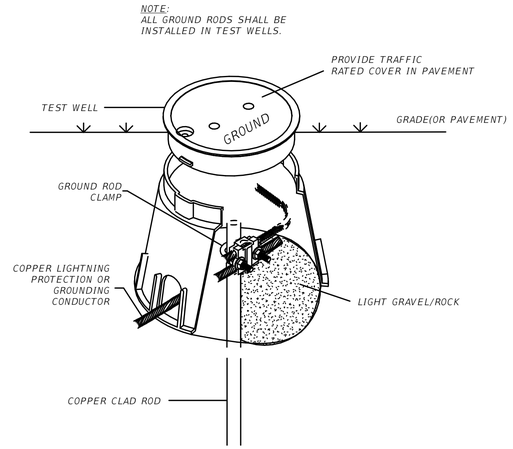
ROOF PENETRATION DETAIL

NOT TO SCALE



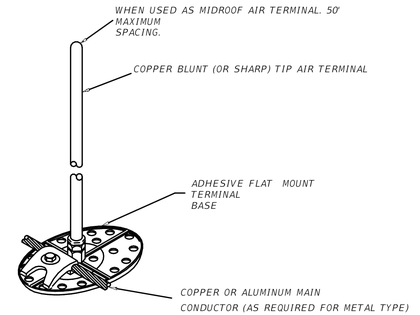
THRU ROOF CONNECTOR WITH FLASHING TUBE AND CABLE BASE

NOT TO SCALE



TEST WELL DETAIL

NOT TO SCALE



SURFACE MOUNTED AIR TERMINAL DETAIL

NOT TO SCALE

NOTE:
PROVIDE A SACRIFICIAL PAD FOR ALL CONNECTIONS TO THE ROOF, USING A LAYER OF TOP SHEET ROOFING MATERIAL, TO PROTECT THE ROOF FROM THE LIGHTNING PROTECTION CONNECTIONS. APPLY ADHESIVE TO TOP AND BOTTOM OF THE PAD AND TO THE DEVICE (TERMINAL BASE, SPLICER, ETC.) CONNECTION.

AARON JOSEPH LICENSE No. 85273 STATE OF FLORIDA PROFESSIONAL ENGINEER
Digitally signed by Aaron Joseph
Date: 2025.04.01 17:22:48-04'00'

No.	Date	Issue / Revision

AARON JOSEPH, PE
PE 85273

WGI, INC.
3111 W. DR. MARTIN LUTHER KING JR. BLVD.
SUITE 375
TAMPA, FL 33607
ENGINEERING BUSINESS LICENSE NO.: 33574

FLORIDA-ALABAMA TPO

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

LIGHTNING PROTECTION DETAILS

DWG NO. AE-704

SHEET NO.