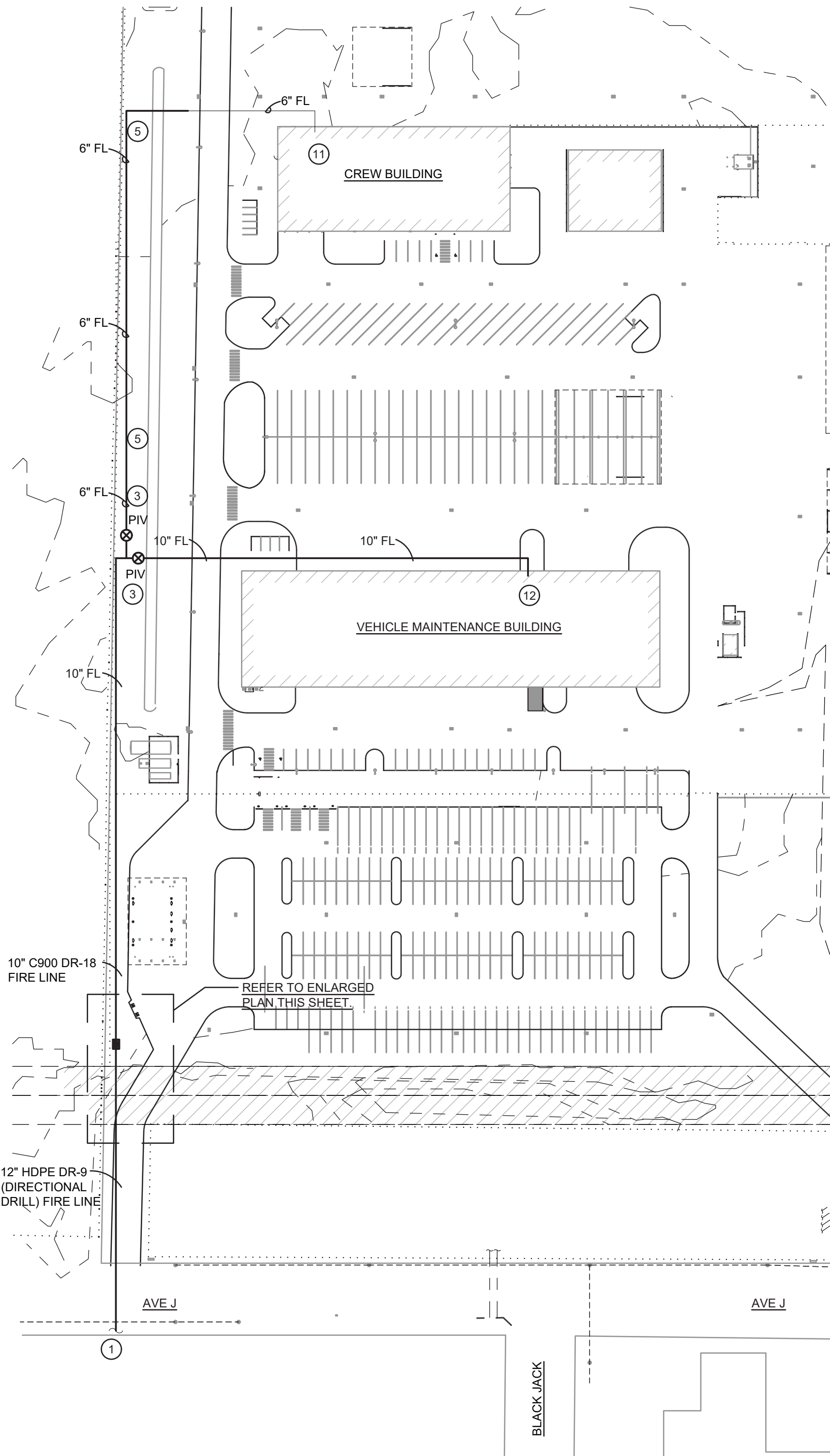


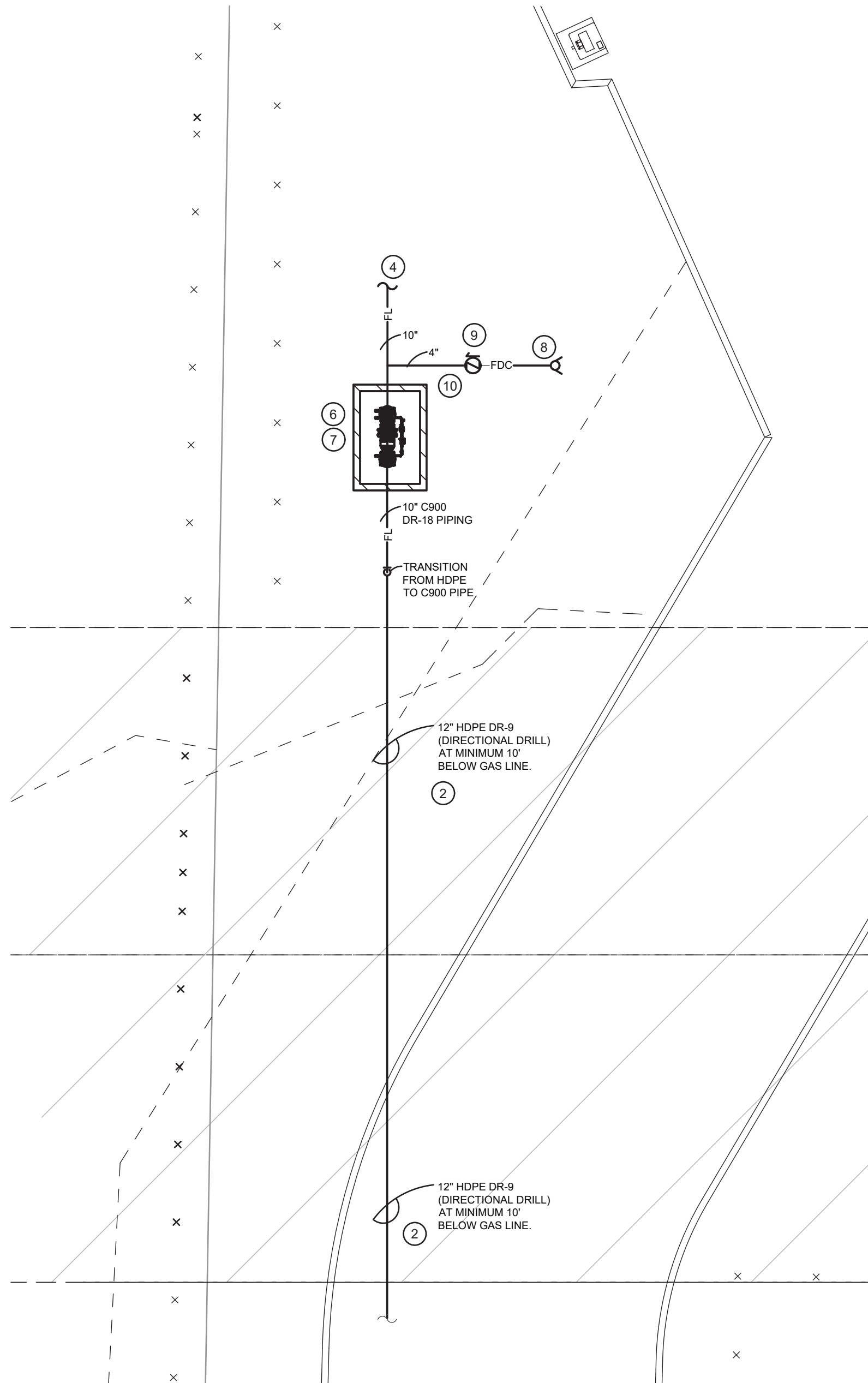
1 FIRE PROTECTION SITE PLAN

SCALE: 1" = 80'-0" NOTE: REFER TO ARCHITECTURAL PLANS FOR ALL DIMENSIONS



2 FIRE PROTECTION SITE - ENLARGED PLAN

SCALE: 1/8" = 1'-0" NOTE: REFER TO ARCHITECTURAL PLANS FOR ALL DIMENSIONS



FIRE PROTECTION KEYNOTES:

- CONNECT TO EXISTING SIX (6) INCH CITY WATER MAIN THIS VICINITY USING 6X6X6 TEE. CONTRACTOR SHALL PAY ALL COSTS AND COMPLY WITH ALL REQUIREMENTS OF CITY OF LAKE CHARLES WATER DEPARTMENT. PROVIDE 6X12 REDUCER AT NEW TEE FOR NEW 12" FIRE LINE.
- APPROXIMATE LOCATION OF EXISTING GULF SOUTH GAS PIPELINE RIGHT OF WAY. CONTRACTOR SHALL DIRECTIONAL DRILL NEW 12" DR9 HDPE FIRE LINE UNDER EXISTING GAS LINE FROM CITY WATER MAIN CONNECTION ON SOUTH SIDE OF AVENUE J TO NORTH SIDE OF GAS PIPELINE RIGHT-OF-WAY. CONTRACTOR SHALL PROVIDE 10 FOOT CLEARANCE FROM BOTTOM OF GAS PIPING TO TOP OF NEW FIRE LINE. COORDINATE WITH AND COMPLY WITH ALL REQUIREMENTS OF BOARDWALK PIPELINES (CONTACT: RIDGE MARCANTEL 337-302-1720) PRIOR TO INSTALLATION OF NEW LINE.
- PROVIDE NEW POST INDICATING VALVE SAME AS LINE SIZE. PROVIDE TAMPER SWITCH ON VALVE. INTERFACE TAMPER SWITCH WITH CREW BUILDING FIRE ALARM SYSTEM.
- EXTEND TEN (10) INCH C900 DR18 PVC PIPE TO SPRINKLER RISER ROOM AT VEHICLE MAINTENANCE BUILDING. ROUTE PIPE TO AVOID CONFLICTS WITH ALL EQUIPMENT, STRUCTURES, AND UNDERGROUND UTILITIES. MINIMUM BURIAL DEPTH FORTY TWO (42) INCHES.
- EXTEND SIX (6) INCH C900 DR18 PVC PIPE TO SPRINKLER RISER ROOM AT CREW BUILDING. ROUTE PIPE TO AVOID CONFLICTS WITH ALL EQUIPMENT, STRUCTURES, AND UNDERGROUND UTILITIES. MINIMUM BURIAL DEPTH FORTY TWO (42) INCHES.
- PROVIDE INSULATED HEATED ALUMINUM ENCLOSURE (ASSE CLASS I) FOR FIRELINE DOUBLE DETECTOR CHECK VALVE ASSEMBLY.
- PROVIDE TEN (10) INCH DOUBLE DETECTOR CHECK VALVE ASSEMBLY IN INSULATED HEATED ENCLOSURE.
- PROVIDE TWO (2) WAY FREESTANDING FIRE DEPARTMENT CONNECTION.
- PROVIDE CHECK VALVE WITH AUTOMATIC DRIP VALVE LOCATED ON FDC LINE AT LOW POINT. PROVIDE VALVE BOX MARKED "FIRE VALVE" AT VALVE LOCATION.
- FOUR (4) INCH C900 DR-18 PIPE FROM FREESTANDING FDC TO CONNECTION TO TEN (10) INCH FIRELINE.
- CONTINUED ON SHEET FP2.1.
- CONTINUED ON SHEET FP2.2.

FLOW TEST INFORMATION:
STATIC: 73 PSI
RESIDUAL: 60 PSI
FLOW RATE: 890 GPM



ASSOCIATED DESIGN GROUP, INC.
3909 W Congress Street, Suite 201
Lafayette, Louisiana 70506
Phone: (337) 234-5710
Email: adginc@adginc.org

Project No. 25082

CONSTRUCTION DOCUMENTS



Brossett
Architect



Brossett Architect, LLC • 414 Pujo St., Lake Charles, LA 70601

LAKE CHARLES PUBLIC WORKS
NEW FACILITY PHASE 2

FP1.0

4200 BROAD STREET
LAKE CHARLES, LA 70615

FIRE PROTECTION SITE PLAN

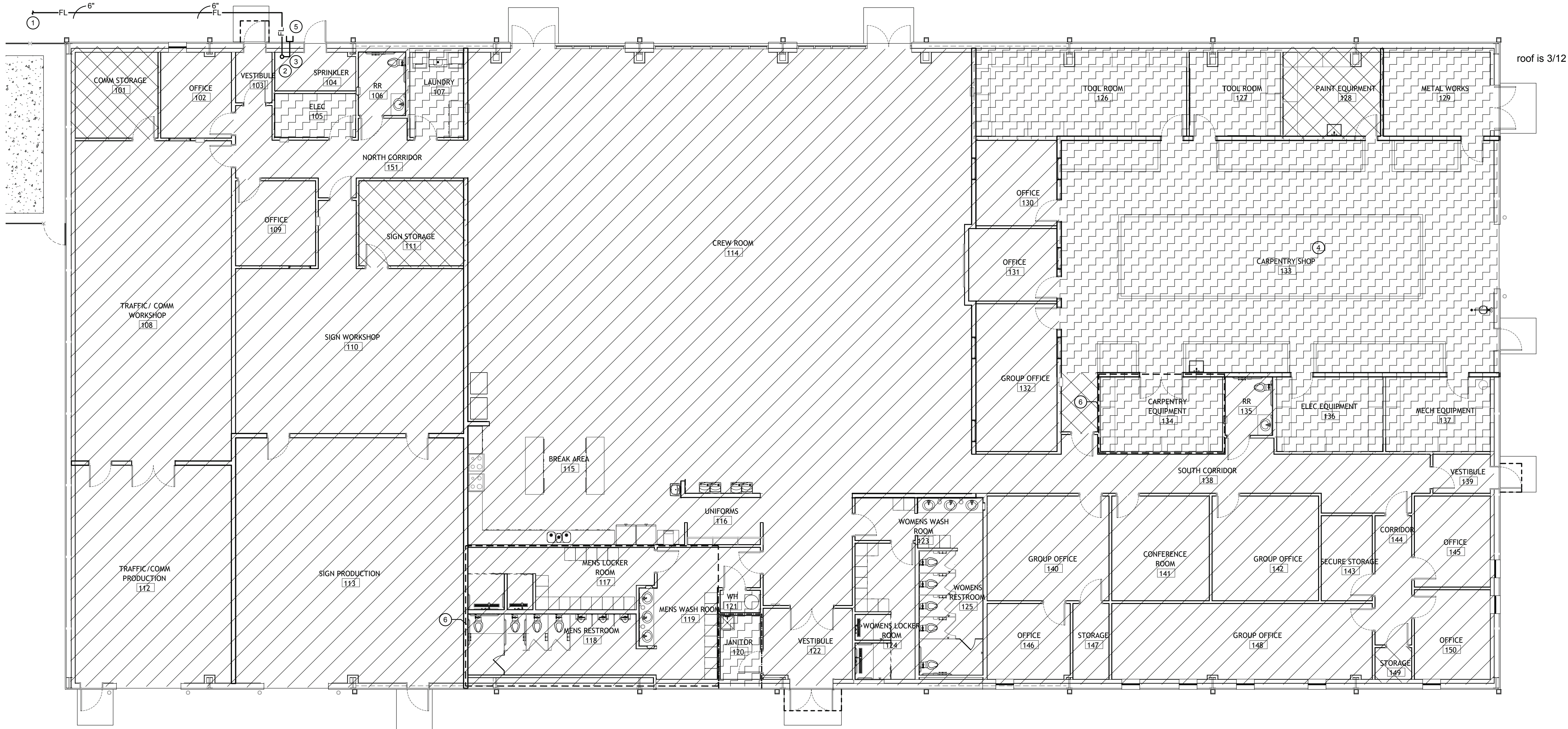
SHEET NO.

VER.	DATE	DESCRIPTION
0	12/20/2025	CONSTRUCTION DOCUMENTS

© COPYRIGHT 2025,
Brossett Architect, LLC
All Rights Reserved.
This document shall not be
copied or reproduced
without written permission.

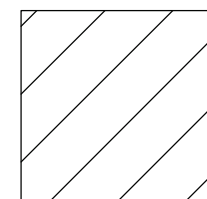
1 FIRE PROTECTION PLAN - CREW BUILDING

SCALE: 1/8" = 1'-0" NOTE: REFER TO ARCHITECTURAL PLANS FOR ALL DIMENSIONS

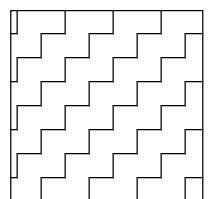


FIRE PROTECTION KEYNOTES:

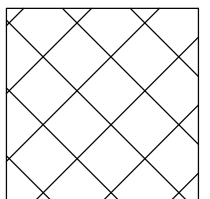
- CONTINUED ON FIRE PROTECTION SITE PLAN SHEET FP1.0.
- RISE UP WITH LISTED STAINLESS STEEL "IN BUILDING RISER" INSIDE BUILDING. COORDINATE PIPING IN BUILDING WITH NEW MECHANICAL, ELECTRICAL, ETC.
- SIX (6) INCH WET PIPE SPRINKLER RISER. COORDINATE LOCATION WITH NEW MECHANICAL, PLUMBING, AND ELECTRICAL SYSTEMS AND COMPONENTS. ADJUST LOCATION AS REQUIRED FOR CODE COMPLIANCE.
- CARPENTRY SHOP TO BE PROVIDED WITH NEW DUST COLLECTION SYSTEM. CONTRACTOR TO PROVIDE SPRINKLER MAIN PIPING TO SPRINKLER SYSTEM INCLUDED IN DUST COLLECTION SYSTEM. SPRINKLER CONTRACTOR SHALL PROVIDE ISOLATION VALVE WITH TAMPER SWITCH, AND TEST-DRAIN VALVE AT POINT OF CONNECTION. COORDINATE WITH DUST COLLECTION MANUFACTURER TO PROVIDE SPRINKLER PROTECTION IN EXHAUST DUCTS AND DUST COLLECTORS IN ACCORDANCE WITH NFPA 13, 664, AND 15. DUST COLLECTION SYSTEM TO.
- TWO (2) WAY, WALL MOUNTED FIRE DEPT. CONNECTION. PROVIDE METAL IDENTIFICATION SIGN AT EXTERIOR. PROVIDE CHECK-VALVE IN-LINE OF PIPING.
- PROVIDE SPRINKLER PROTECTION FOR MECHANICAL PLATFORM ABOVE, AS OUTLINED BY DASHED LINE. SPRINKLER PROTECTION SHALL BE IN ACCORDANCE WITH NFPA 13-8.15.1.5(2)



LIGHT HAZARD
WET PIPE SPRINKLER
SYSTEM THIS AREA



ORDINARY HAZARD
GROUP I WET PIPE
SPRINKLER SYSTEM
THIS AREA



ORDINARY HAZARD
GROUP II WET PIPE
SPRINKLER SYSTEM
THIS AREA

NOTE:

REFER TO FIRE PROTECTION SHEET FP1.0 FOR LOCATION OF BACKFLOW PREVENTER AND POST INDICATING VALVES THAT NEED TAMPER SWITCHES MONITORED BY THE SUPERVISORY PANEL.

IT IS THE GENERAL CONTRACTORS RESPONSIBILITY TO VERIFY THAT ALL SCOPE OF WORK NEEDED FOR THE SUPERVISORY PANEL IS PICKED UP AS PART OF THEIR BID PRICE. IF THE SPRINKLER CONTRACTOR EXCLUDES ANY SCOPE OF WORK ASSOCIATED WITH THE SUPERVISORY PANEL, THE GENERAL CONTRACTOR SHALL FIND ANOTHER SUB-CONTRACTOR TO COMPLETE THIS SCOPE OF WORK, AS PART OF THEIR ORIGINAL BID PRICE AND NOT AS A CHANGE ORDER.



ASSOCIATED DESIGN GROUP, INC.
3909 W Congress Street, Suite 201
Lafayette, Louisiana 70506
Phone: (337) 234-5710
Email: adginc@adginc.org

Project No. 25082

CONSTRUCTION DOCUMENTS

SHEET NO.

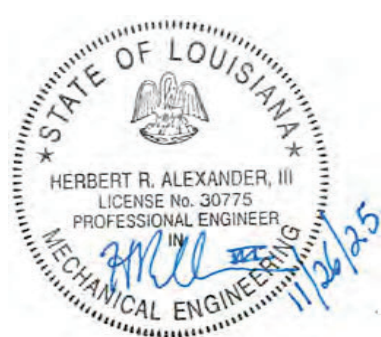
LAKE CHARLES PUBLIC WORKS
NEW FACILITY PHASE 2

FP2.1

4200 BROAD STREET
LAKE CHARLES, LA 70615
FIRE PROTECTION PLAN - CREW BUILDING

VER.	DATE	DESCRIPTION
0	12/20/2025	CONSTRUCTION DOCUMENTS

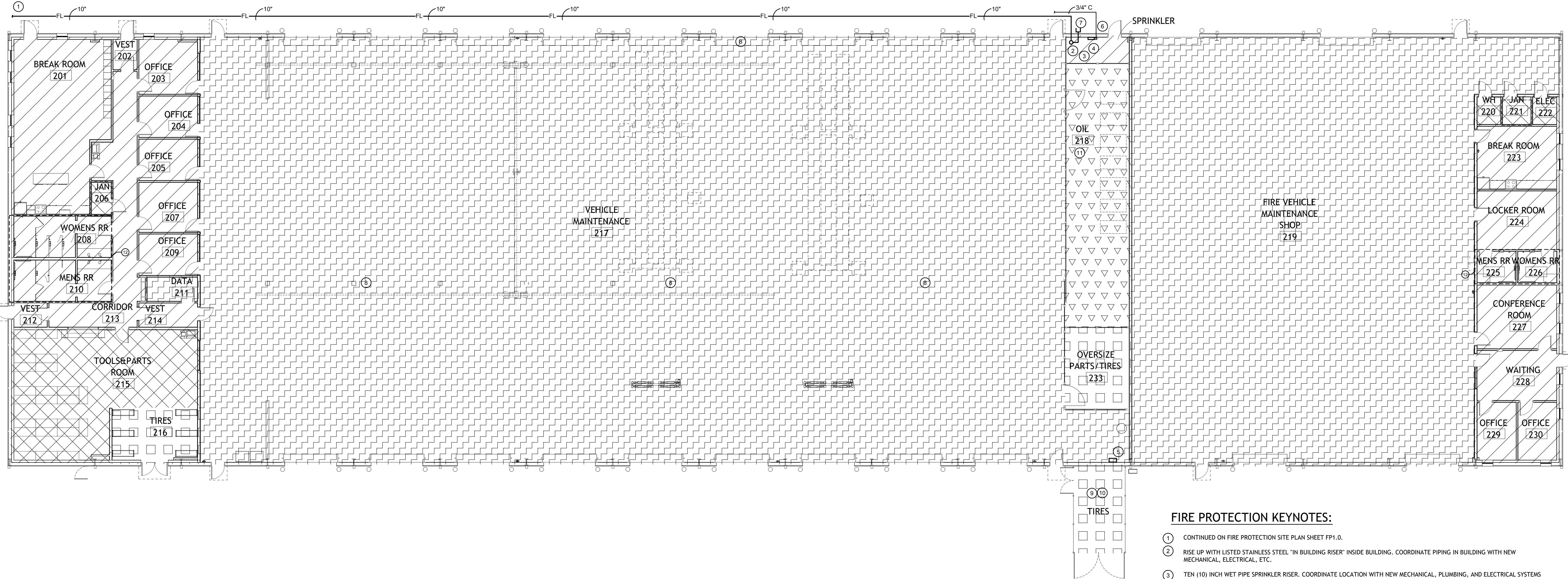
© COPYRIGHT 2025,
Brossett Architect, LLC
All Rights Reserved.
This document shall not be
copied or reproduced
without written permission.



Brossett
Architect

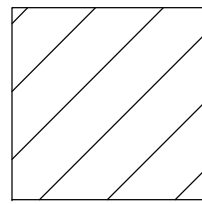


Brossett Architect, LLC • 414 Pujo St., Lake Charles, LA 70601

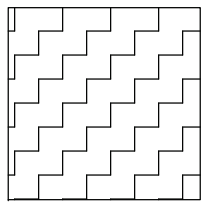


FIRE PROTECTION KEYNOTES:

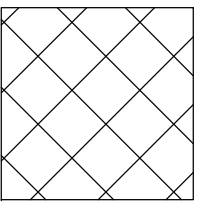
- CONTINUED ON FIRE PROTECTION SITE PLAN SHEET FP1.0.
- RISE UP WITH LISTED STAINLESS STEEL "IN BUILDING RISER" INSIDE BUILDING. COORDINATE PIPING IN BUILDING WITH NEW MECHANICAL, ELECTRICAL, ETC.
- TEN (10) INCH WET PIPE SPRINKLER RISER. COORDINATE LOCATION WITH NEW MECHANICAL, PLUMBING, AND ELECTRICAL SYSTEMS AND COMPONENTS. ADJUST LOCATION AS REQUIRED FOR CODE COMPLIANCE.
- PROVIDE NEW NOTIFIER NF-W-50X SUPERVISORY PANEL WITH BUILT IN COMMUNICATOR TO MONITOR SPRINKLER SYSTEM IN ACCORDANCE WITH NFPA 13. PROVIDE CELL-CAB-N AND CELL-MOD CELLULAR COMMUNICATOR TO REPORT TO A LISTED THIRD PARTY MONITORING COMPANY. COORDINATE POWER REQUIREMENTS WITH ELECTRICAL CONTRACTOR.
- NEW HEAT TRACE CONTROLLER. BASIS OF DESIGN: NVENT-RAYCHEM MODEL 465. COORDINATE ELECTRICAL AND FIRE ALARM REQUIREMENTS WITH GENERAL CONTRACTOR. MONITOR POWER TO CONTROLLER WITH FIRE ALARM SYSTEM.
- PROVIDE AND INSTALL THREE-QUARTER (3/4) INCH DIAMETER PVC CONDUIT FROM THE SPRINKLER SUPERVISORY PANEL TO FIRE LINE BACKFLOW PREVENTER AND NEW POST INDICATING VALVES. PROVIDE AND INTERFACE TAMPER SWITCHES AT BACKFLOW PREVENTER AND TAMPER SWITCHES WITH SUPERVISORY PANEL. PROVIDE PULL BOXES AND WIRING AS REQUIRED. PROVIDE SURGE PROTECTION (DITEK NO. 2MHLPB-W5 OR EQUIVALENT) PER NFPA 70 AND 72 ON ALL CIRCUITS LEAVING THE BUILDING.
- UNDERGROUND TEST HEADER MOUNTED ON EXTERIOR WALL. PROVIDE METAL IDENTIFICATION SIGN AT EXTERIOR WALL. PROVIDE ISOLATION VALVE IN-LINE OF PIPE (NORMALLY CLOSED.) REFER TO DETAIL FOR REQUIRE DEVICES.
- APPROXIMATE LOCATION OF HVLS FAN. HVLS FAN SHALL BE INTERLOCKED TO SHUT DOWN IMMEDIATELY UPON RECEIVING A WATERFLOW SIGNAL FROM THE ALARM SYSTEM IN ACCORDANCE WITH THE REQUIREMENTS OF NFPA 72. HVLS FAN SHALL BE CENTERED APPROXIMATELY BETWEEN FOUR ADJACENT SPRINKLERS (COORDINATE WITH MECHANICAL TRADE).
- PROVIDE CORROSION RESISTANT SPRINKLER HEADS THIS AREA.
- PROVIDE INSULATION AND HEAT TRACING FOR EXPOSED SPRINKLER SYSTEM PIPING THIS AREA. INSULATION SHALL BE 1" THICK, HIGH DENSITY FIBERGLASS WITH UNIVERSAL FIRE-RETARDANT JACKET AND COVERED WITH 0.016" SMOOTH ALUMINUM JACKET. BASIS OF DESIGN FOR HEAT TRACING: NVENT-RAYCHEM MODEL 5XLE1 CABLING, LISTED FOR SPRINKLER PIPING.
- PROVIDE SPRINKLER PROTECTION THIS AREA PER NFPA 30-16.5.2.2 FOR CLASS IIIB LIQUIDS. HEADS SHALL BE STANDARD RESPONSE, HIGH TEMPERATURE RATED AT A 8.0K-FACTOR OR GREATER.
- PROVIDE SPRINKLER PROTECTION FOR MECHANICAL PLATFORM ABOVE, AS OUTLINED BY DASHED LINE. SPRINKLER PROTECTION SHALL BE IN ACCORDANCE WITH NFPA 13-8.15.1.5(2)



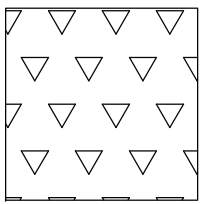
LIGHT HAZARD
DRY PIPE
SPRINKLER SYSTEM
THIS AREA



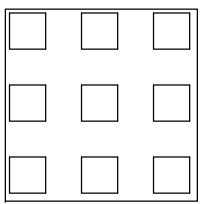
ORDINARY HAZARD
GROUP I DRY PIPE
SPRINKLER SYSTEM
THIS AREA



ORDINARY HAZARD
GROUP II
DRY PIPE SPRINKLER
SYSTEM THIS AREA



0.25 GPM/3000 Sq.
Ft. WET PIPE
SPRINKLER
SYSTEM THIS
AREA.



EXTRA HAZARD
WET PIPE SPRINKLER
SYSTEM THIS AREA

NOTE:

REFER TO FIRE PROTECTION SHEET FP1.0 FOR LOCATION OF BACKFLOW PREVENTER AND POST INDICATING VALVES THAT NEED TAMPER SWITCHES MONITORED BY THE SUPERVISORY PANEL.

IT IS THE GENERAL CONTRACTORS RESPONSIBILITY TO VERIFY THAT ALL SCOPE OF WORK NEEDED FOR THE SUPERVISORY PANEL IS PICKED UP AS PART OF THEIR BID PRICE. IF THE SPRINKLER CONTRACTOR EXCLUDES ANY SCOPE OF WORK ASSOCIATED WITH THE SUPERVISORY PANEL, THE GENERAL CONTRACTOR SHALL FIND ANOTHER SUB-CONTRACTOR TO COMPLETE THIS SCOPE OF WORK, AS PART OF THEIR ORIGINAL BID PRICE AND NOT AS A CHANGE ORDER.



ASSOCIATED DESIGN GROUP, INC.
3909 W Congress Street, Suite 201
Lafayette, Louisiana 70506
Phone: (337) 234-5710
Email: adginc@adginc.org

Project No. 25082

CONSTRUCTION DOCUMENTS

SHEET NO.

LAKE CHARLES PUBLIC WORKS
NEW FACILITY PHASE 2

FP2.2

4200 BROAD STREET
LAKE CHARLES, LA 70615

FIRE PROTECTION PLAN - VEHICLE MAINTENANCE

ARCH #24009 BA



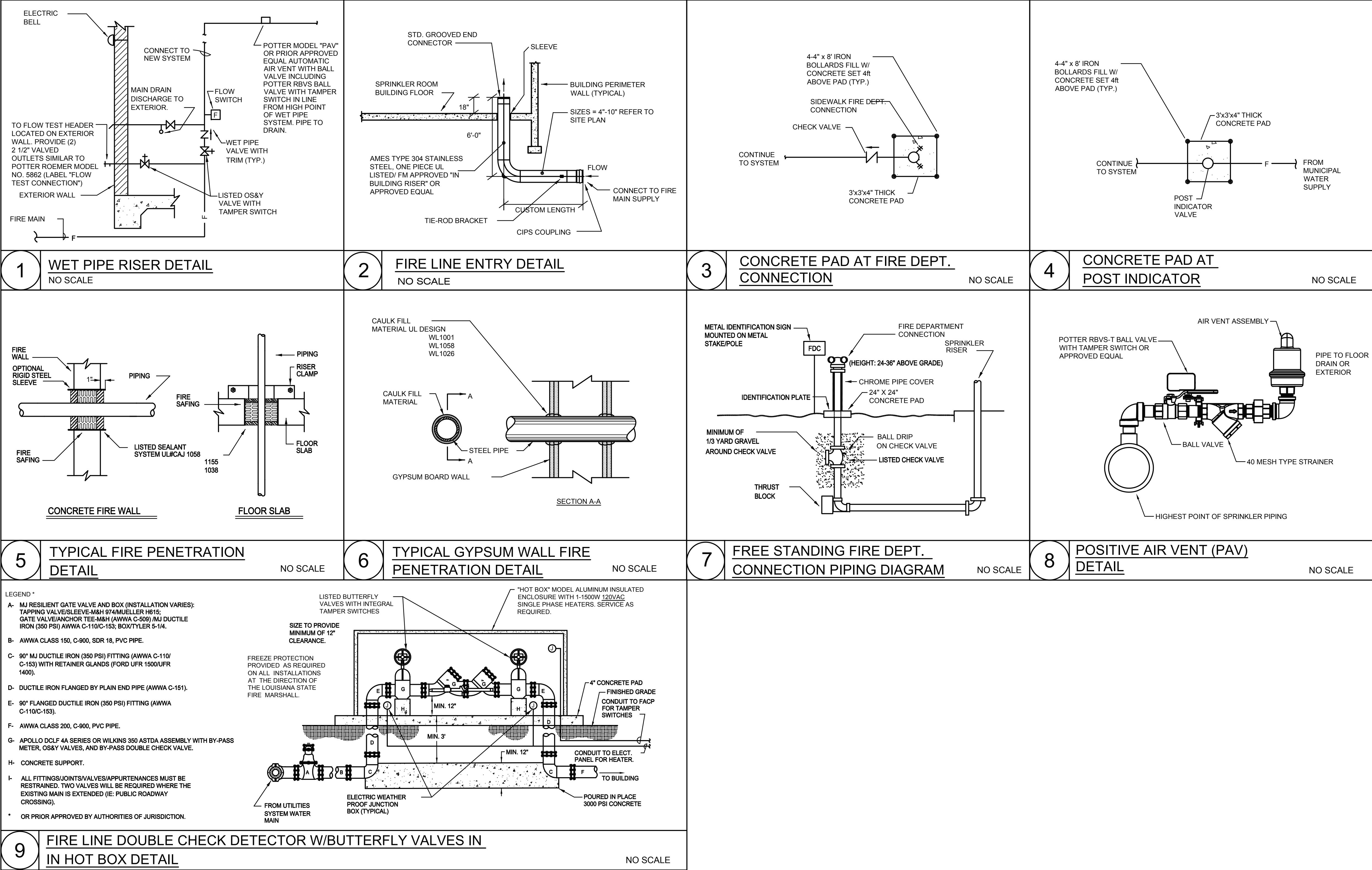
Brossett
Architect



Brossett Architect, LLC • 414 Pujot St., Lake Charles, LA 70601

VER.	DATE	DESCRIPTION
0	12/20/2025	CONSTRUCTION DOCUMENTS

© COPYRIGHT 2025,
Brossett Architect, LLC
All Rights Reserved.
This document shall not be
copied or reproduced
without written permission.



Brossett Architect, LLC • 414 Pujio St., Lake Charles, LA 70601

LAKE CHARLES PUBLIC WORKS
NEW FACILITY PHASE 2
4200 BROAD STREET
LAKE CHARLES, LA 70615
FIRE PROTECTION DETAILS

SHEET NO.
FP3.1
ARCH #Z4009 BA

VER.	DATE	DESCRIPTION
0	12/20/2025	CONSTRUCTION DOCUMENTS

© COPYRIGHT 2025,
Brossett Architect, LLC
All Rights Reserved.
This document shall not be
copied or reproduced
without written permission.

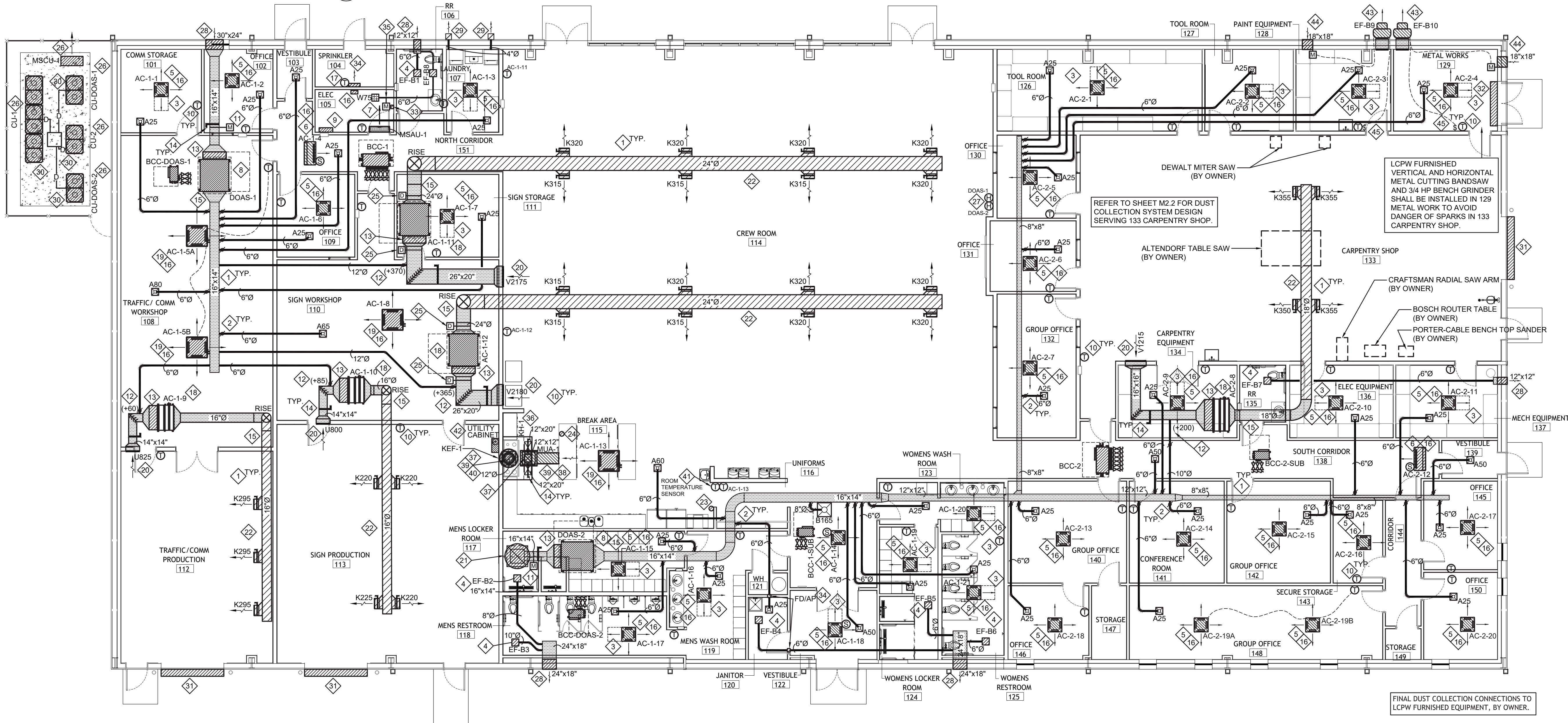


ASSOCIATED DESIGN GROUP, INC.
3909 W Congress Street, Suite 201
Lafayette, Louisiana 70506
Phone: (337) 234-5710
Email: adginc@adginc.org
Project No. 25082

CONSTRUCTION DOCUMENTS

1 MECHANICAL PLAN - CREW BUILDING

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



MECHANICAL KEYNOTES:

33. PROVIDE AND INSTALL A2L REFRIGERANT MONITOR IN SPACE SHOWN. MONITOR SHALL ALARM ON DETECTION OF REFRIGERANT, SHUT DOWN MSAU-1 AND CORRESPONDING CONDENSING UNIT (MSCU-1), OPEN RESPECTIVE MOTORIZED DAMPER, AND START EXHAUST FAN EF-B8. THE REVERSE SHALL OCCUR ONCE THE ALARM HAS CLEARED.
34. PROVIDE AND INSTALL FIRE DAMPER IN RATED WALL WHERE SHOWN. PROVIDE ACCESS PANEL IN DUCTWORK IN ACCESSIBLE LOCATION.
35. PROVIDE AND INSTALL MOTORIZED DAMPER IN EXHAUST DUCT (120-1-60 ELEC SERVICE).
36. PROVIDE AND INSTALL NEW KITCHEN HOOD AND ASSOCIATED SUPPLY/EXHAUST FAN APPROXIMATELY WHERE SHOWN ON ROOF. COORDINATE EXACT LOCATION OF HOOD AND DUCTWORK WITH STRUCTURE PRIOR TO ORDERING. RUN NEW SUPPLY/EXHAUST DUCT DOWN FROM FAN BETWEEN STRUCTURAL JOISTS AND CONNECT TO HOOD AS REQUIRED. REFER TO DETAILS FOR SIZES OF DUCT. BALANCE EXHAUST FAN TO 1,233 CFM EXHAUST AIR AND SUPPLY FAN TO 986 CFM OUTSIDE AIR. EXHAUST FAN SHALL HAVE INSULATED CURB, HINGED BASE, VENTED EXTENSION, AND ALL ACCESSORIES NECESSARY FOR NFPA REQUIREMENTS. SUPPLY FAN SHALL HAVE INSULATED ROOF CURB, INTAKE EXTENSIONS WITH WASHABLE ALUMINUM FILTERS, DUCT ADAPTOR, ETC. AS REQUIRED FOR PROPER INSTALLATION AND OPERATION. FANS SHALL BE CONTROLLED BY A FACTORY MOUNTED CONTROL PANEL. PROVIDE ALL WIRING, RELAYS, ETC. REQUIRED FOR PROPER INSTALLATION AND OPERATION. CONTRACTOR SHALL VERIFY DUCT SIZES, CFM REQUIREMENTS, AND CONNECTION LOCATIONS IN FIELD, MAKING ALL REVISIONS AS REQUIRED FOR PROPER INSTALLATION AND OPERATION. HANG/SUPPORT KITCHEN HOODS AND ASSOCIATED EQUIPMENT PER MANUFACTURER'S RECOMMENDATION.
37. DUCTWORK RISES UP TO FAN ON ROOF IN THIS VICINITY.
38. EXTEND THE MAKE-UP AIR FAN INTAKE TO MEET 10'-0" CLEARANCE REQUIREMENT FROM THE KITCHEN HOOD EXHAUST FAN.
39. PROVIDE AND INSTALL EXHAUST AND SUPPLY AIR FAN FOR KITCHEN HOOD ON ROOF CURBS WHERE SHOWN. FANS SHALL BE INSTALLED WITH MINIMUM 18" HIGH INSULATED ROOF CURBS, FLASHING AND CAULK AS REQUIRED TO PREVENT RAIN INTRUSION. ROOF CURBS SHALL BE PRE-FINISHED METAL WITH KYNAR FINISH AND SHALL BE COMPATIBLE WITH ROOFING. COORDINATE COLOR WITH ARCHITECT. GENERAL CONTRACTOR SHALL COORDINATE FRAMED OPENING THROUGH ROOF WITH STRUCTURE. PROVIDE HURRICANE STRAP TO COMPLY WITH 140 MPH WIND RATING.
40. CONTRACTOR SHALL INSTALL DUCT FIRE THERMOSTATS PER MANUFACTURER'S RECOMMENDATION.
41. ROOM AMBIENT TEMPERATURE SENSOR PROVIDED BY KITCHEN HOOD MANUFACTURER SHIPPED LOOSE FOR FIELD INSTALLATION. SENSOR SHALL BE INSTALLED FOR SPACE TEMPERATURE REFERENCE PER THE KITCHEN HOOD MANUFACTURER'S RECOMMENDATION TO COMPARE TO HOOD INTERIOR TEMPERATURE. COORDINATE IN FIELD WITH HOOD MANUFACTURER.
42. PROVIDE AND INSTALL NEW KITCHEN HOOD SUPPRESSION SYSTEM FOR NEW HOOD IN REMOTE UTILITY CABINET ABOVE CASEWORK ON FURR DOWN. PROVIDE AND INSTALL NEW PIPING, CONTROLS, ETC. FOR PROPER OPERATION. VERIFY LOCATION WITH OWNER PRIOR TO INSTALLATION. HANG/SUPPORT REMOTE UTILITY CABINET AND ASSOCIATED EQUIPMENT PER MANUFACTURER'S RECOMMENDATION.
43. PROVIDE AND INSTALL WALL MOUNTED EXHAUST FAN HIGH IN WALL. COORDINATE EXACT LOCATION AND ELEVATION WITH ARCHITECT AND OWNER PRIOR TO INSTALLATION. REFER TO ARCHITECTURAL ELEVATIONS. MAINTAIN 10'-0" MINIMUM BETWEEN EXHAUST FAN AND ANY FRESH AIR OPERATIONS. COORDINATE LOCATION OF FAN WITH DOORS, AND STRUCTURAL BEAMS, ETC PRIOR TO INSTALLING EQUIPMENT. EXHAUST FAN SHALL BE CONTROLLED BY SWITCH IN RESPECTIVE SPACE WHERE SHOWN PROVIDED BY CONTRACTOR. COORDINATE FRAMED OPENING AND MOUNTING WITH METAL BUILDING CONTRACTOR.
44. PROVIDE AND INSTALL OUTSIDE AIR WALL LOUVER LOW IN WALL (RUSKIN ELC6375XD OR APPROVED EQUIVALENT WITH DRIP CAP, EXTENDED SILL, BIRD SCREEN, 120/1/60 MOTORIZED DAMPER(S) INSIDE BUILDING, AND ANODIZED FINISH WITH COLOR SELECTED BY ARCHITECT). COORDINATE EXACT LOCATION AND ELEVATION WITH ARCHITECT AND OWNER PRIOR TO INSTALLATION. INTERLOCK MOTORIZED DAMPER(S) WITH RESPECTIVE EXHAUST FAN. DAMPER SHALL OPEN PRIOR TO FAN STARTING AND CLOSE WHEN FAN IS OFF. SEE HVAC PLAN FOR SIZE OF LOUVER. BOTTOM OF LOUVER SHALL BE INSTALLED APPROXIMATELY 1'-0" AFF.
45. SWITCH ON WALL TO ACTIVATE EXHAUST FAN IN THIS SPACE IS TURNED ON, INDOOR VRF CASSETTE SHALL SHUT DOWN, MAKE-UP AIR LOUVER MOTORIZED DAMPER SHALL OPEN, AND EXHAUST FAN SHALL START. WHEN THE SWITCH ON THE WALL IS SHUT OFF, OR THE TIMER FOR THE FAN SHUTS DOWN THE FAN, THE EXHAUST FAN SHALL SHUT DOWN, MAKE-UP AIR LOUVER MOTORIZED DAMPER SHALL CLOSE, AND INDOOR VRF CASSETTE SHALL OPERATE AS REQUIRED TO CONDITION THESE SPACES.

MECHANICAL KEYNOTES:

17. PROVIDE AND INSTALL ELECTRIC WALL HEATER IN THIS VICINITY FOR FREEZE PROTECTION (REZNOR MODEL EHC-AK2, 208-1-60, 2KW, 6,825 BTUH). PROVIDE STANDARD WHITE FINISH, SURFACE MOUNTING BOX, BUILT IN THERMOSTAT. COORDINATE INSTALLATION WITH FIRE PROTECTION AND ELECTRICAL CONTRACTOR PRIOR TO ROUGH-IN.
18. PROVIDE AND INSTALL A CEILING CONCEALED, INDOOR DUCTED UNIT ABOVE CEILING IN THIS VICINITY. INSTALL AS PER MANUFACTURER'S INSTRUCTIONS AND DIRECTIONS, PROVIDING ALL ACCESSORIES AND ITEMS REQUIRED. COORDINATE LOCATION AND MOUNTING HEIGHT WITH ARCHITECT/GENERAL CONTRACTOR PRIOR TO ROUGH-IN. INSTALL AT AN ACCESSIBLE HEIGHT. PROVIDE AND INSTALL AN ACCESSIBLE INSULATED FILTER RACK WITH DISPOSABLE FILTER ON BACK ON UNIT IN THIS VICINITY. PROVIDE GALVANIZED STEEL DRAIN PAN BENEATH UNIT.
19. PROVIDE AND INSTALL 3X3 4-WAY CEILING CASSETTE IN CEILING APPROXIMATELY WHERE COORDINATE CONTROL PANEL LOCATION WITH LIGHTING/CEILING DEVICES. CASSETTES SHALL BE INSTALLED WITH FACTORY PROVIDED TRIM KIT.
20. COORDINATE SIDEWALL GRILLE/DIFFUSER MOUNTING HEIGHTS AND LOCATIONS IN FIELD WITH ARCHITECT AND ENGINEER PRIOR TO ROUGH-IN.
21. PROVIDE AND INSTALL ROOF MOUNTED OUTSIDE AIR INTAKE HOOD/EXHAUST HOOD WITH INSULATED ROOF CURB (COOK MODEL 24TR). DUCTWORK RISES UP TO HOOD ON ROOF IN THIS VICINITY. PROVIDE HURRICANE STRAP TO COMPLY WITH 140 MPH WIND RATING.
22. 2" DOUBLE WALL INSULATED SPIRAL PIPE WITH PERFORATED LINER AND PAINT GRIP FINISH IN AREAS WITH DUCTWORK IN EXPOSED CEILINGS. INNER DIMENSION SHOWN. (ROUTE DUCT AT MAX HEIGHT - COORDINATE WITH STRUCTURE SIZE IN METAL BUILDING SHOP DRAWINGS) PROVIDE CABLE SUPPORTS CAPABLE OF SUPPORTING WEIGHT OF DUCTWORK. SECURE TO STRUCTURE ABOVE.
23. PROVIDE AND INSTALL MANUAL PULL STATION FOR WET CHEMICAL SYSTEMS APPROX. WHERE SHOWN. COORDINATE EXACT LOCATION IN FIELD WITH ARCHITECT.
24. PROVIDE AND INSTALL A TYPE-K FIRE EXTINGUISHER APPROX. WHERE SHOWN. COORDINATE EXACT LOCATION IN THE FIELD WITH THE ARCHITECT.
25. MOUNT DUCT DETECTOR IN DUCTWORK WHERE SHOWN. DUCT DETECTOR PROVIDED BY FIRE ALARM CONTRACTOR.
26. PROVIDE AND INSTALL OUTDOOR CONDENSING UNIT ON 4" HIGH CONCRETE MAINTENANCE PAD IN THIS VICINITY. CONCRETE PAD BY GENERAL CONTRACTOR. REFER TO SHEET M2.2 FOR ROUTING OF REFRIGERANT PIPING. REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS.
27. PROVIDE AND INSTALL HUMIDITY SENSOR ON WALL IN THIS VICINITY. SENSOR SHALL DISABLE DOAS IF HUMIDITY EQUALS 65% FOR 15 MINUTES AND ALARM (AUDIO/VISUAL) CENTRAL CONTROLLER.
28. OUTSIDE AIR/EXHAUST LOUVER (RUSKIN EMES20MD OR EQUAL APPROVED, COLOR BY ARCHITECT) WITH BIRD SCREEN AT SIZE INDICATED. CONTRACTOR SHALL PROVIDE PLENUM BOX FULL SIZE OF LOUVER FOR DUCT CONNECTION. VERIFY LOUVER COLOR, ELEVATION AND EXACT LOCATION WITH ARCHITECT PRIOR TO INSTALLATION.
29. 4" ROUND DRYER EXHAUST DUCTWORK EXTENDS TO EXTERIOR WALL AS SHOWN. TERMINATE DRYER DUCT WITH 90 DEG ELBOW AND DRYER VENT CAP WITH BACKDRAFT DAMPER. ALL DUCTWORK SHALL BE RIGID SEAMLESS METAL DUCTWORK WITH LONG RADIUS ALL JOINTS SHALL BE INSTALLED SO THAT THEY DO NOT ACCUMULATE LINT. ALL SEAMS SHALL BE SECURED WITH POP RIVETS AND SEALED AIRTIGHT. THE USE OF SHEET METAL SCREWS OR FASTENERS IS NOT ALLOWED. PROVIDE CLEANOUT AT THE BOTTOM OF VERTICAL RISE PER INTERNATIONAL MECHANICAL CODE. COORDINATE FINAL DUCT SIZES AND ROUTING WITH APPROVED DRYER SUBMITTALS.
30. PROVIDE AND INSTALL 12" TALL EQUIPMENT SUPPORTS (REFER TO DETAIL) FOR VRF CONDENSING UNITS. PROVIDE SUPPORTS WIDE ENOUGH TO SUPPORT REFRIGERANT PIPING ADJACENT TO UNIT. COORDINATE UNIT LOCATION OVER STORM DRAIN CATCH BASIN SHOWN ON CIVIL PLANS. RUN COPPER CONDENSATE DRAIN LINES FOR EACH CONDENSER DRAIN PAN TO CATCH BASIN IN MECHANICAL YARD WITH MIFAB C-PORT SUPPORTS AT 5' ON CENTER.
31. PROVIDE AND INSTALL DOOR AIR CURTAIN (UNHEATED) ABOVE ROLL UP DOOR IN THIS VICINITY (MARS MODEL STD2108-3UH-0B, (3) 1/2 HP MOTORS, 2.5 FLA, 460-3-60). PROVIDE WALL BRACKET, HARSH WEATHER COVER, DOOR MICRO SWITCH, AND CONTROL PANEL FOR COMPLETE WORKING SYSTEM.
32. PROVIDE AND INSTALL DOOR AIR CURTAIN (UNHEATED) ABOVE DOUBLE DOORS IN THIS VICINITY (MARS MODEL STD272-2UH-0B, (2) 1/2 HP MOTORS, 1.6 FLA, 460-3-60). PROVIDE WALL BRACKET, DOOR MICRO SWITCH, AND CONTROL PANEL FOR COMPLETE WORKING SYSTEM.

NOTE:
ROOFTOP EQUIPMENT AND ROOF CURB ASSEMBLIES SHALL BE DESIGNED AND CONSTRUCTED TO MEET THE LATEST WIND LOADING CRITERIA OF ASCE 7-16. ANCHOR ROOF CURBS TO STRUCTURE BELOW. SECURE FANS WITH WIRE ROPE TO THEIR RESPECTIVE ROOF CURB AND ROOF DECK. PROVIDE STAINLESS STEEL FASTENERS NOT EXCEEDING 6" ON CENTER BETWEEN THE EQUIPMENT, TRANSITION PIECES AND THE ROOF CURB.

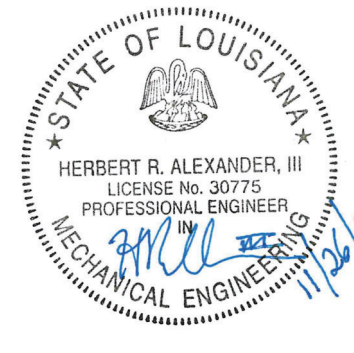
MECHANICAL GENERAL NOTES:

- A. ALL NEW WORK SHALL COMPLY WITH LOCAL, STATE, AND FEDERAL CODES TO THE SATISFACTION OF CODE AUTHORITIES HAVING JURISDICTION.
- B. COORDINATE ALL CEILING DEVICES, DUCTWORK, ETC. WITH LIGHTING, STRUCTURE, ETC. THROUGH GENERAL CONTRACTOR. REFER TO ALL DRAWINGS, (STRUCTURAL, PLUMBING, ELECTRICAL, ARCHITECTURAL, ETC.). NOTIFY ARCHITECT/ENGINEER CONCERNING ANY CONFLICTS NOTED PRIOR TO BIDS FOR CLARIFICATION TO THE SATISFACTION OF THE REFER TO SPECIFICATIONS FOR REQUIREMENTS. REFER TO LATEST ARCHITECTURAL REFLECTED CEILING PLAN. COORDINATE ALL CEILING DEVICE LOCATIONS WITH CEILING GRID.
- C. ALL SUPPLY, RETURN, EXHAUST, AND OUTSIDE AIR DUCTWORK SHALL BE EXTERNALLY INSULATED UNLESS NOTED OTHERWISE ON DRAWINGS. DUCT SIZES SHOWN ARE CLEAR METAL TO METAL. WRAP ALL DUCTWORK EXTERNALLY.
- D. HARDCAST ALL NEW DUCTWORK JOINTS FOR AIRTIGHT SYSTEM. REFER TO DETAILS FOR DUCTWORK TAP, SPLITTER, BRANCH CONFIGURATION, ETC. INSTALL IN ACCORDANCE WITH SMACNA RECOMMENDATIONS AND INSTALLATION GUIDELINES.
- E. VERIFY ALL OUTSIDE AIR INTAKES ARE A MINIMUM OF TEN FEET FROM EXHAUST OUTLETS, SEWER VENTS, ETC.
- F. CONTRACTOR SHALL SEAL ALL PIPING AND DUCT PENETRATIONS THROUGH WALLS AND FLOORS AS PER THE RATED UL DESIGNATION'S REQUIREMENTS. REFER TO ARCHITECTURAL PLANS FOR ALL UL RATINGS.
- G. PROVIDE ACCESS PANELS (PER SPECIFICATIONS) AS NEEDED FOR ACCESS TO ALL NEW FIRE DAMPERS, MANUAL DAMPERS, AND MOTORIZED DAMPERS. COORDINATE FINAL LOCATION/SIZE WITH ENGINEER/OWNER. ALL DAMPERS, ACCESS PANELS, ETC SHALL BE INSTALLED FOR MAXIMUM ACCESSIBILITY.
- H. CONTRACTOR SHALL CAP AND SEAL ALL DUCTWORK DURING CONSTRUCTION TO PREVENT CONTAMINATION DUE TO CONSTRUCTION DEBRIS.

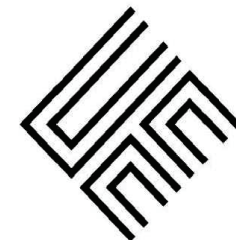
MECHANICAL KEYNOTES:

1. RUN MAIN TRUNKLINES APPROXIMATELY AS SHOWN. COORDINATE EXACT LOCATION WITH STRUCTURE, PIPING, CONDUIT, DEVICES ABOVE CEILING, ETC. MAKE ALL REQUIRED OFFSETS, TRANSITIONS, ETC. (MAINTAIN EQUIVALENT DUCT FREE AREA IN TRANSITIONS). RUN DUCTWORK TO MINIMIZE OFFSETS, CHANGES IN ELEVATION, TRANSITIONS, ETC. COORDINATE WITH OTHER TRADES. (TYPICAL)
2. PROVIDE AND INSTALL MANUAL DAMPER AT DUCT TAP SPIN FITTING ABOVE ACCESSIBLE CEILING AND BALANCE TO CFM INDICATED AT GRILLE. DUCT TAPS SHALL BE A MINIMUM OF 12" FROM END OF SUPPLY AIR DUCT. (TYPICAL)
3. PROVIDE AND INSTALL 24"x24" ACCESS PANEL IN CEILING FOR ACCESS TO CEILING CASSETTE AND BALANCING DAMPER/INLINE EXHAUST FAN ABOVE CEILING.
4. OCCUPANCY SENSOR (CEILING MOUNTED) SHALL ACTIVATE EXHAUST FAN. MECHANICAL CONTRACTOR SHALL PROVIDE SENSOR & TIMER AND ELECTRICAL CONTRACTOR SHALL INSTALL SENSOR & TIMER.
5. PROVIDE AND INSTALL 2X2 4-WAY CEILING CASSETTE IN CEILING APPROXIMATELY WHERE COORDINATE CONTROL PANEL LOCATION WITH LIGHTING/CEILING DEVICES. CASSETTES SHALL BE INSTALLED WITH FACTORY PROVIDED TRIM KIT.
6. PROVIDE AND INSTALL 1-WAY THROW CEILING CASSETTE APPROXIMATELY WHERE COORDINATE LOCATION WITH LIGHTING/CEILING DEVICES, ETC. UNIT SHALL BE CONTROLLED BY SENSOR IN UNIT. SETPOINT SHALL BE ADJUSTABLE FROM VRF CENTRAL CONTROLLER.
7. PROVIDE AND INSTALL A WALL-MOUNTED MINI-SPLIT UNIT ON WALL IN THIS VICINITY. INSTALL AS PER MANUFACTURER'S INSTRUCTIONS AND DIRECTIONS, PROVIDING ALL ACCESSORIES AND ITEMS REQUIRED. MINI-SPLIT SYSTEM SHALL BE VISIBLE FROM VRF CENTRAL CONTROLLER.
8. PROVIDE AND INSTALL DEDICATED OUTSIDE AIR SYSTEM WHERE SHOWN ON MECHANICAL PLATFORM/ABOVE CEILING. INSTALL UNIT IN GALVANIZED DRAIN PAN EXTENDING 4" AROUND UNIT WITH FLOAT SWITCH. COORDINATE LOCATION OF UNIT WITH ALL TRADES AND LOCATE FOR MAXIMUM ACCESSIBILITY.
9. PROVIDE AND INSTALL MITSUBISHI AE-200 VRF SYSTEM CENTRAL CONTROLLER. COORDINATE 120V JUNCTION BOX WITH ELECTRICAL CONTRACTOR PRIOR TO INSTALLATION. COORDINATE EXACT LOCATION WITH ALL OTHER EQUIPMENT INSTALLED IN ELECTRICAL ROOM. COORDINATE IP ADDRESS WITH I.T. STAFF FOR CONNECTION TO INTERNET/INTRANET.
10. PROVIDE AND INSTALL VRF UNIT SMART CONTROLLER WITH BACKLIT DISPLAY IN THIS VICINITY. COORDINATE INSTALLATION WITH ARCHITECTURAL ELEVATIONS, MILLWORK, ELECTRICAL DEVICES, ETC. LABEL EACH THERMOSTAT/CONTROLLER TO INDICATE UNIT SERVED. (TYPICAL)
11. PROVIDE AND INSTALL 120V FAST ACTING MOTORIZED DAMPER IN DOAS INTAKE DUCTWORK WHERE SHOWN. 120V DAMPER SHALL BE INTERLOCKED WITH DOAS UNIT. DAMPER SHALL BE OPEN WHEN DOAS UNIT IS OPERATING AND CLOSED WHEN UNIT IS NOT.
12. CONNECT OUTSIDE AIR DUCTWORK TO RETURN AIR DUCTWORK IN THIS VICINITY. PROVIDE MANUAL BALANCING DAMPERS ON OUTSIDE AIR AND RETURN AIR DUCTS. BALANCE TO CFM INDICATED ON PLANS.
13. PROVIDE AND INSTALL FACTORY FILTER RACK IN ACCESSIBLE LOCATION.
14. PROVIDE AND INSTALL MANUAL BALANCING DAMPER IN DUCT APPROXIMATELY WHERE SHOWN. (TYPICAL)
15. PROVIDE AND INSTALL A PLASMA AIR 7000 NEEDLE POINT IONIZER AIR PURIFICATION SYSTEM IN SUPPLY DUCTWORK APPROXIMATELY WHERE SHOWN. IONIZER SHALL BE MOUNTED ON DUCTWORK UTILIZING PRE-DRILLED FLANGE AND FACTORY APPLIED GASKETS. IONIZER SHALL BE INSTALLED IN ACCESSIBLE LOCATION. PROVIDE THE 24V LOW VOLTAGE POWER CONNECTION BETWEEN THE IONIZATION MODULE AND THE POWER SUPPLY OF THE VRF UNIT.
16. PROVIDE AND INSTALL UNIT WITH IONIZATION UNIT - PLASMA AIR 600 OR APPROVED EQUIVALENT FOR INDOOR AIR QUALITY. IONIZER SHALL BE INSTALLED IN ACCESSIBLE LOCATION. PROVIDE THE 24V LOW VOLTAGE POWER CONNECTION BETWEEN THE IONIZATION MODULE AND THE POWER SUPPLY OF THE VRF UNIT.

CONSTRUCTION DOCUMENTS



Brossett
Architect



Brossett Architect, LLC • 414 Pujot St., Lake Charles, LA 70601

LAKE CHARLES PUBLIC WORKS
NEW FACILITY PHASE 2

4200 BROAD STREET
LAKE CHARLES, LA 70615

MECHANICAL PLAN - CREW BUILDING

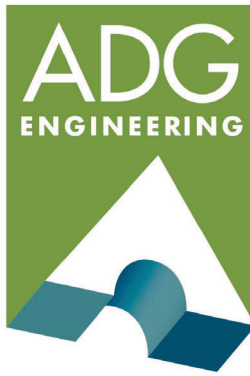
M2.1

ARCH #24009 B&A

SHEET NO.

VER.	DATE	DESCRIPTION
0	12/20/2025	CONSTRUCTION DOCUMENTS

© COPYRIGHT 2025,
Brossett Architect, LLC
All Rights Reserved.
This document shall not be
copied or reproduced
without written permission.



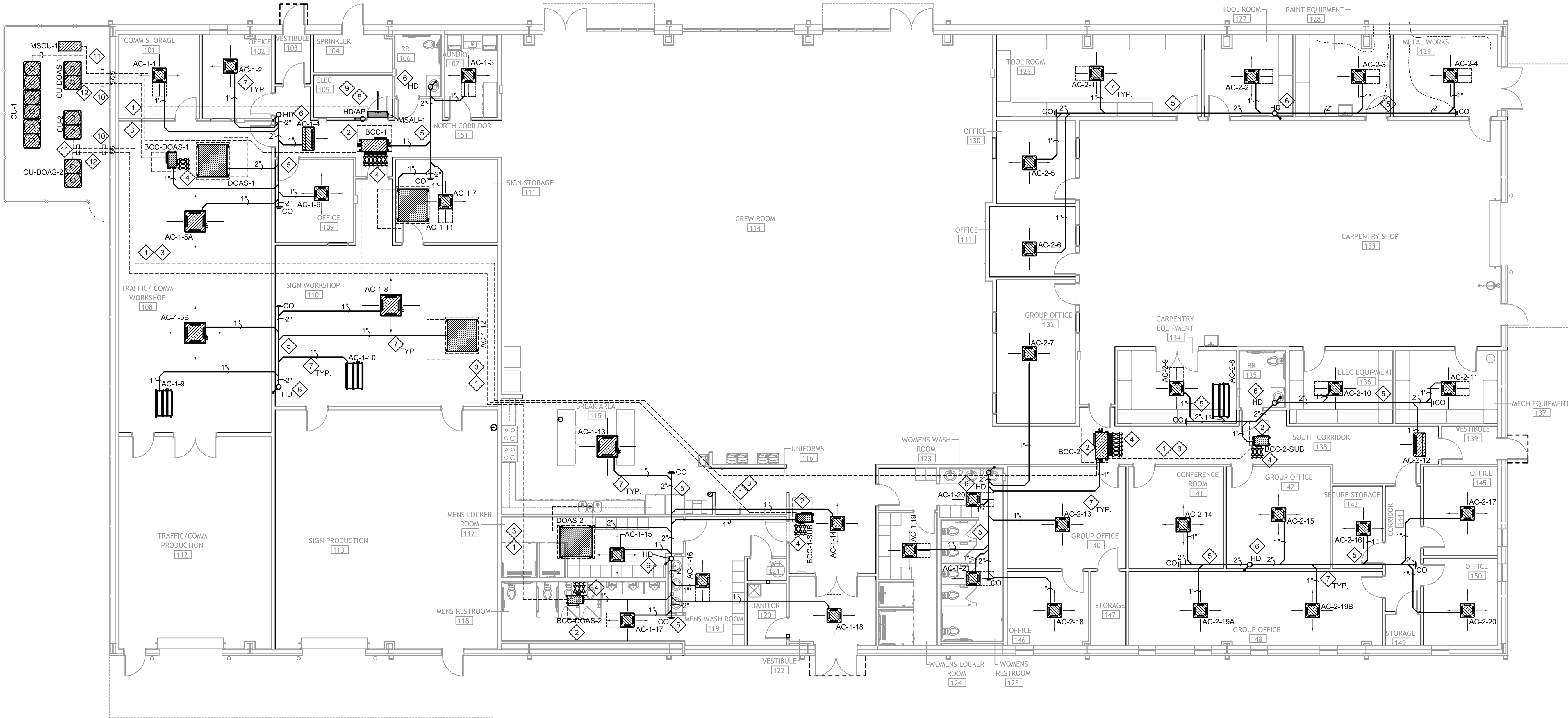
ASSOCIATED DESIGN GROUP, INC.

3909 W Congress Street, Suite 201
Lafayette, Louisiana 70506
Phone: (337) 234-5710
Email: adginc@adginc.org

Project No. 25082

1 MECHANICAL PIPING PLAN - CREW BUILDING

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



MECHANICAL GENERAL NOTES:

- A. ALL NEW WORK SHALL COMPLY WITH LOCAL, STATE, AND FEDERAL CODES TO THE SATISFACTION OF CODE AUTHORITIES HAVING JURISDICTION.
- B. COORDINATE ALL CEILING DEVICES, DUCTWORK, ETC. WITH LIGHTING, STRUCTURE, ETC. THROUGH GENERAL CONTRACTOR. REFER TO ALL DRAWINGS, (STRUCTURAL, PLUMBING, ELECTRICAL, ARCHITECTURAL, ETC.). NOTIFY ARCHITECT/ENGINEER CONCERNING ANY CONFLICTS NOTED PRIOR TO BIDS FOR CLARIFICATION TO THE SATISFACTION OF THE REFER TO SPECIFICATIONS FOR REQUIREMENTS. REFER TO LATEST ARCHITECTURAL REFLECTED CEILING PLAN. COORDINATE ALL CEILING DEVICE LOCATIONS WITH CEILING GRID.
- C. ALL SUPPLY, RETURN, EXHAUST, AND OUTSIDE AIR DUCTWORK SHALL BE EXTERNALLY INSULATED UNLESS NOTED OTHERWISE ON DRAWINGS. DUCT SIZES SHOWN ARE CLEAR METAL TO METAL. WRAP ALL DUCTWORK EXTERNALLY.
- D. HARDCAST ALL NEW DUCTWORK JOINTS FOR AIRTIGHT SYSTEM. REFER TO DETAILS FOR DUCTWORK TAP, SPLITTER, BRANCH CONFIGURATION, ETC. INSTALL IN ACCORDANCE WITH SMACNA RECOMMENDATIONS AND INSTALLATION GUIDELINES.
- E. VERIFY ALL OUTSIDE AIR INTAKES ARE A MINIMUM OF TEN FEET FROM EXHAUST OUTLETS, SEWER VENTS, ETC.
- F. CONTRACTOR SHALL SEAL ALL PIPING AND DUCT PENETRATIONS THROUGH WALLS AND FLOORS AS PER THE RATED UL DESIGNATION'S REQUIREMENTS. REFER TO ARCHITECTURAL PLANS FOR ALL UL RATINGS.
- G. PROVIDE ACCESS PANELS (PER SPECIFICATIONS) AS NEEDED FOR ACCESS TO ALL NEW FIRE DAMPERS, MANUAL DAMPERS, AND MOTORIZED DAMPERS. COORDINATE FINAL LOCATION/SIZE WITH ENGINEER/OWNER. ALL DAMPERS, ACCESS PANELS, ETC SHALL BE INSTALLED FOR MAXIMUM ACCESSIBILITY.
- H. CONTRACTOR SHALL CAP AND SEAL ALL DUCTWORK DURING CONSTRUCTION TO PREVENT CONTAMINATION DUE TO CONSTRUCTION DEBRIS.

MECHANICAL KEYNOTES:

- 1 RUN REFRIGERANT PIPING APPROXIMATELY AS SHOWN. COORDINATE EXACT LOCATION WITH STRUCTURE, PIPING, CONDUIT, DEVICES ABOVE CEILING, ETC. MAKE ALL REQUIRED OFFSETS, TRANSITIONS, ETC. RUN REFRIGERANT PIPING TO MINIMIZE OFFSETS, CHANGES IN ELEVATIONS, TRANSITIONS, ETC. COORDINATE WITH OTHER TRADES.
- 2 PROVIDE AND INSTALL A BRANCH CONTROLLER IN THIS VICINITY. COORDINATE EXACT LOCATION WITH OWNER/ARCHITECT AND ALL TRADES PRIOR TO ROUGH-IN. PROVIDE DRAIN PAN UNDER BRANCH CONTROLLER AND EXTEND UNDER BALL VALVES. OTHER MANUFACTURER'S BRANCH CONTROLLERS SHALL BE LOCATED IN THE SAME EXACT LOCATION. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ANY COST ASSOCIATED WITH THE CHANGE OF NUMBER AND/OR LOCATION OF OTHER MANUFACTURER'S BRANCH CONTROLLERS. PROVIDE AND INSTALL SERVICE BALL VALVE AT EACH BRANCH CONNECTION IN ACCESSIBLE LOCATION ABOVE THE CEILING.
- 3 TYPE "K" HARD COPPER SHALL BE USED FOR ALL REFRIGERANT LINES FROM THE OUTDOOR UNITS TO ITS ASSOCIATED BRANCH CONTROLLER AND IN ALL AREAS WHERE COPPER WILL BE EXPOSED. (TYP.) CONTRACTOR SHALL ROUTE REFRIGERANT PIPING NEAT AND STRAIGHT. ALL PIPING INSULATION SHALL BE PROTECTED FROM COMPRESSION BY USE OF SHEETMETAL SADDLES AT HANGER LOCATIONS. CARE SHALL BE TAKEN SO THAT INSULATION IS NOT TORN OR DAMAGED BY HANGERS.
- 4 TYPE "L" SOFT COPPER SHALL BE USED FOR REFRIGERANT LINES FROM THE BRANCH CONTROLLER TO EACH VRF INDOOR UNIT OFF OF THAT SYSTEM. (TYP.) CONTRACTOR SHALL ROUTE REFRIGERANT PIPING NEAT AND STRAIGHT. ALL PIPING INSULATION SHALL BE PROTECTED FROM COMPRESSION BY USE OF SHEETMETAL SADDLES AT HANGER LOCATIONS. CARE SHALL BE TAKEN SO THAT INSULATION IS NOT TORN OR DAMAGED BY HANGERS.
- 5 INSTALL 2" INSULATED PVC CONDENSATE HEADER APPROXIMATELY WHERE SHOWN. CONTRACTOR SHALL EXTEND INSULATED CONDENSATE LINES FULL SIZE FROM EACH INDOOR VRF UNIT TO CONDENSATE HEADER. PROVIDE CLEANOUT PLUG AT EACH END AND CHANGE IN DIRECTION GREATER THAN 45 DEGREES. PROVIDE HANGERS AT 5 FEET ON CENTER.
- 6 INSULATED CONDENSATE LINE FROM ABOVE DROPS IN THIS VICINITY. RUN CONDENSATE LINE ABOVE CEILING TO HUB DRAIN ABOVE CEILING. TERMINATE AT HUB DRAIN WITH 2" AIR GAP. COORDINATE DRAIN LOCATION AND ELEVATION WITH PLUMBING CONTRACTOR PRIOR TO ROUGH-IN.
- 7 EXTEND 1" INSULATED COPPER EMERGENCY DRAIN LINE FROM EMERGENCY DRAIN PAN TO CONDENSATE HEADER. PROVIDE BALL VALVE (BV) NEAR DRAIN PAN IN ACCESSIBLE LOCATION. COORDINATE EXACT LOCATION WITH PLUMBING CONTRACTOR PRIOR TO ROUGH-IN. (TYPICAL)
- 8 TERMINATE CONDENSATE FROM WALL MOUNTED UNIT INTO HUB DRAIN IN WALL WITH ACCESS PANEL. COORDINATE EXACT LOCATION WITH PLUMBING CONTRACTOR PRIOR TO ROUGH-IN.
- 9 AVOID ROUTING CONDENSATE PIPING OVER THIS SPACE.
- 10 REFRIGERANT PIPING RISES UP ALONG EXTERIOR WALL IN PAINTED METAL ENCLOSURE. PENETRATE WALL AND CONTINUE ABOVE CEILING. COORDINATE COLOR OF ENCLOSURE WITH ARCHITECT. TO RESPECTIVE BRANCH CONTROLLER/MINI-SPLIT. CONTRACTOR SHALL SEAL PENETRATIONS AIR AND WATER TIGHT.
- 11 WRAP ALL EXTERIOR/EXPOSED PIPING WITH ALUMINUM EMBOSSED VENTURE CLAD WITH ALUMINUM ELBOWS. OVERLAP ALL SEAMS PER MANUFACTURER'S INSTRUCTIONS. INSULATION SHALL BE CONTINUOUS THROUGH ALL SUPPORTS.
- 12 PROVIDE REFRIGERANT PIPING SUPPORT IN CONDENSING UNIT YARD. SUPPORTS SHALL BE RUBBER 4-3/4" HIGH BLOCK SUPPORTS (BIG FOOT SUPPORTS OR EQUAL). PIPING SHALL BE ROUTED TO PROVIDE A MINIMUM OF 3" CLEAR BETWEEN BOTTOM OF REFRIGERANT AND FINISHED GRADE. WHEN PIPING IS ROUTED ADJACENT TO UNITS, CONTRACTOR SHALL UTILIZE EXTENDED SUPPORTS FROM CU PLATFORM. (TYPICAL)



Brossett
Architect



Brossett Architect, LLC • 414 Pujo St., Lake Charles, LA 70601

LAKE CHARLES PUBLIC WORKS
NEW FACILITY PHASE 2

4200 BROAD STREET
LAKE CHARLES, LA 70615

MECHANICAL PIPING PLAN - CREW BUILDING

SHEET NO.

M2.2

ARCH #24009 B/A

VER.	DATE	DESCRIPTION
0	12/20/2025	CONSTRUCTION DOCUMENTS

© COPYRIGHT 2025,
Brossett Architect, LLC
All Rights Reserved.
This document shall not be
copied or reproduced
without written permission.



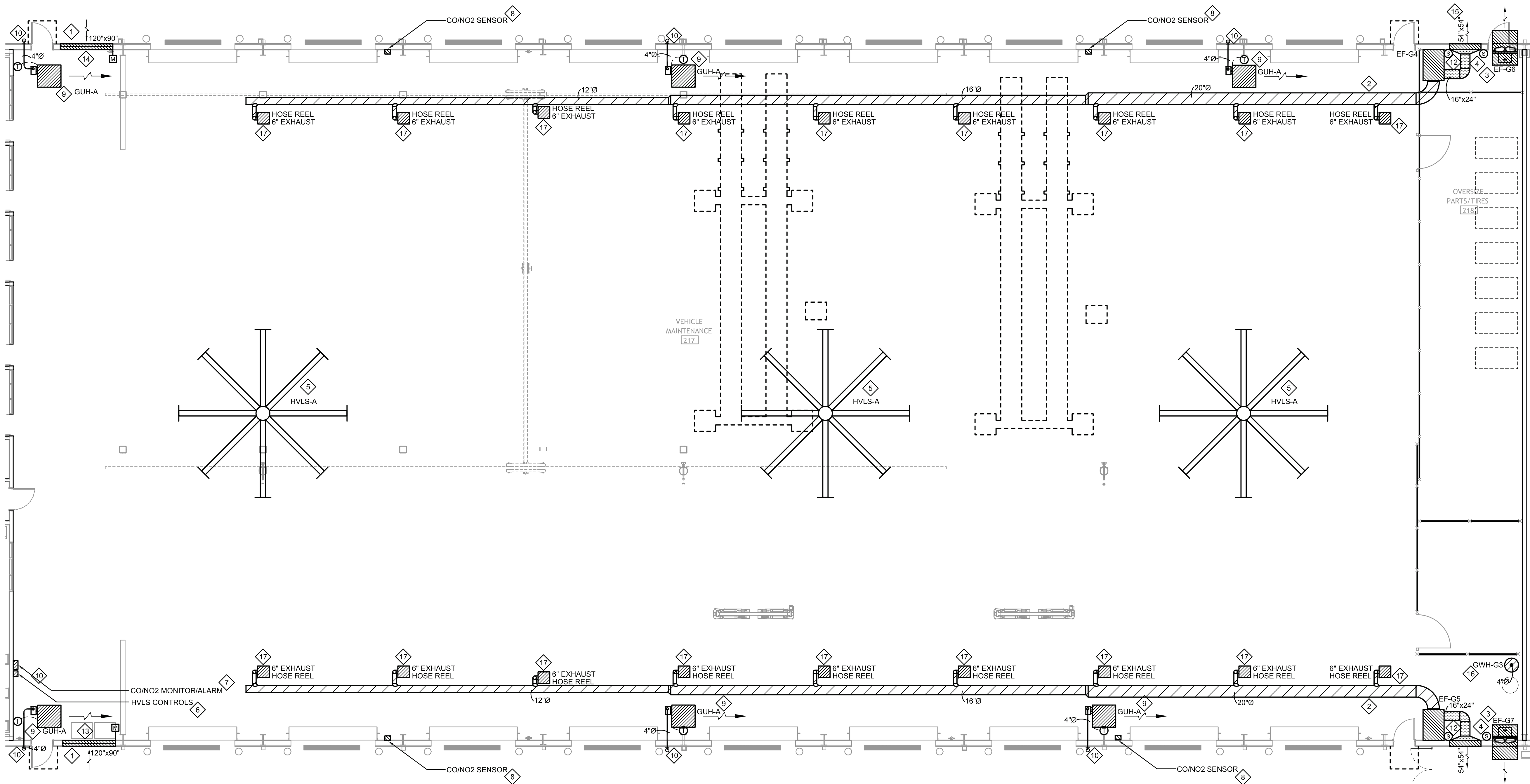
ASSOCIATED DESIGN GROUP, INC.
3909 W Congress Street, Suite 201
Lafayette, Louisiana 70506
Phone: (337) 234-5710
Email: adginc@adginc.org

Project No. 25082

CONSTRUCTION DOCUMENTS

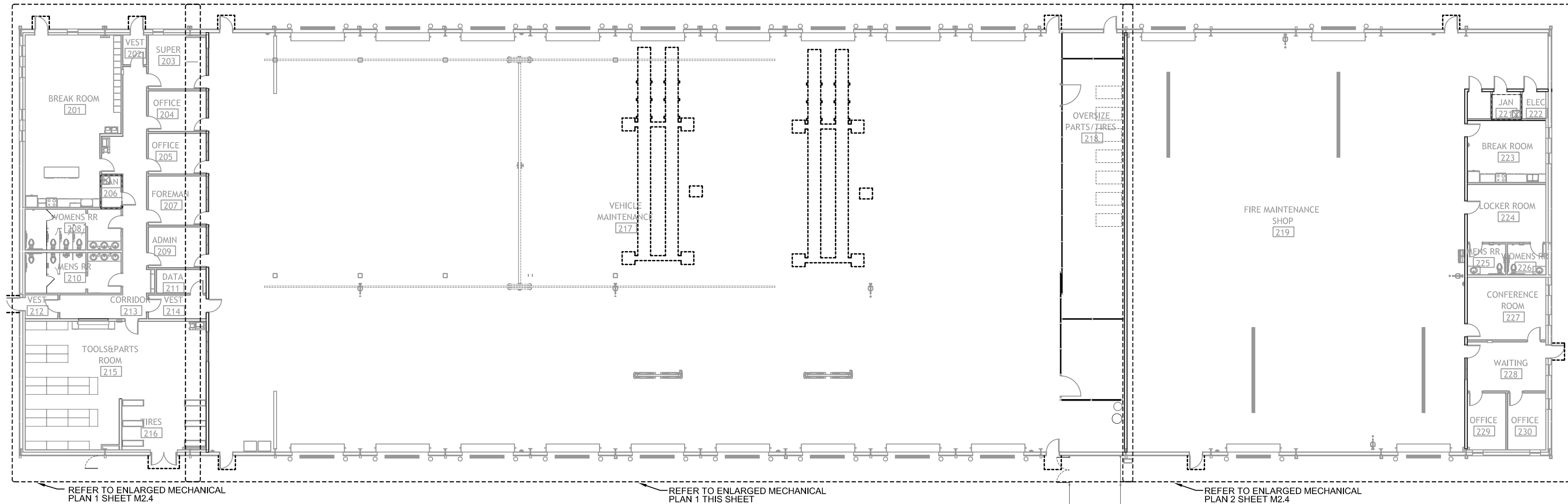
1 ENLARGED MECHANICAL PLAN - VEHICLE MAINTENANCE

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



2 MECHANICAL PLAN - VEHICLE MAINTENANCE

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



MECHANICAL GENERAL NOTES:

- ALL NEW WORK SHALL COMPLY WITH LOCAL, STATE, AND FEDERAL CODES TO THE SATISFACTION OF CODE AUTHORITIES HAVING JURISDICTION.
- COORDINATE ALL CEILING DEVICES, DUCTWORK, ETC. WITH LIGHTING, STRUCTURE, ETC. THROUGH GENERAL CONTRACTOR. REFER TO ALL DRAWINGS, (STRUCTURAL, PLUMBING, ELECTRICAL, ARCHITECTURAL, ETC.) AND NOTIFY ARCHITECT/ENGINEER CONCERNING ANY CONFLICTS NOTED PRIOR TO BIDS FOR CLARIFICATION TO THE SATISFACTION OF THE REFER TO SPECIFICATIONS FOR REQUIREMENTS. REFER TO LATEST ARCHITECTURAL REFLECTED CEILING PLAN. COORDINATE ALL CEILING DEVICE LOCATIONS WITH CEILING GRID.
- ALL SUPPLY, RETURN, EXHAUST, AND OUTSIDE AIR DUCTWORK SHALL BE EXTERNALLY INSULATED UNLESS NOTED OTHERWISE ON DRAWINGS. DUCT SIZES SHOWN ARE CLEAR METAL TO METAL. WRAP ALL DUCTWORK EXTERNALLY.
- HARDCAST ALL NEW DUCTWORK JOINTS FOR AIRTIGHT SYSTEM. REFER TO DETAILS FOR DUCTWORK TAP, SPLITTER, BRANCH CONFIGURATION, ETC. INSTALL IN ACCORDANCE WITH SMACNA RECOMMENDATIONS AND INSTALLATION GUIDELINES.
- VERIFY ALL OUTSIDE AIR INTAKES ARE A MINIMUM OF TEN FEET FROM EXHAUST OUTLETS, SEWER VENTS, ETC.
- CONTRACTOR SHALL SEAL ALL PIPING AND DUCT PENETRATIONS THROUGH WALLS AND FLOORS AS PER THE RATED UL DESIGNATION'S REQUIREMENTS. REFER TO ARCHITECTURAL PLANS FOR ALL UL RATINGS.
- PROVIDE ACCESS PANELS (PER SPECIFICATIONS) AS NEEDED FOR ACCESS TO ALL NEW FIRE DAMPERS, MANUAL DAMPERS, AND MOTORIZED DAMPERS. COORDINATE FINAL LOCATION/SIZE WITH ENGINEER/OWNER. ALL DAMPERS, ACCESS PANELS, ETC SHALL BE INSTALLED FOR MAXIMUM ACCESSIBILITY.
- CONTRACTOR SHALL CAP AND SEAL ALL DUCTWORK DURING CONSTRUCTION TO PREVENT CONTAMINATION DUE TO CONSTRUCTION DEBRIS.

MECHANICAL KEYNOTES:

- PROVIDE AND INSTALL OUTSIDE AIR WALL LOUVER LOW IN WALL APPROXIMATELY 1'-0" A.F.F. (RUSKIN ELC637SDXD OR APPROVED EQUIVALENT WITH DRIP CAP, EXTENDED SILL, BIRD SCREEN, 120/1/60 CONCEALED MOTORIZED DAMPER SCREEN ON BACK INSIDE BUILDING, AND ANODIZED FINISH WITH COLOR SELECTED BY ARCHITECT). COORDINATE EXACT LOCATION AND ELEVATION WITH ARCHITECT AND OWNER PRIOR TO INSTALLATION. REFER TO ARCHITECTURAL ELEVATIONS. LOUVER SHALL BE INSTALLED WITH FLASHING AND CAULK AS REQUIRED TO PREVENT RAIN INTRUSION. COORDINATE FRAMED OPENING FOR LOUVER WITH METAL BUILDING CONTRACTOR.
- PROVIDE VEHICLE EXHAUST EXTRACTION SYSTEM AS SCHEDULED. PROVIDE ON/OFF SWITCH ON WALL BELOW FAN 4'-0" A.F.F. PROVIDE SPIRAL DUCTWORK AND HOSEREELS FOR DISTRIBUTION SYSTEM. ALL DUCT, FAN, LOUVER, AND HOSEREEL CONNECTIONS SHALL BE SEALED TIGHT. PROVIDE PRESSURE AND SMOKE TEST ON SYSTEM PRIOR TO PLACING IN OPERATION. PROVIDE THREADED ROD HANGERS FOR EXHAUST DUCT AT 10' O.C. CONNECTED TO BUILDING STRUCTURE.
- INSTALL WALL MOUNTED EXHAUST FAN HIGH IN WALL WITH WEATHERHOOD WHERE INDICATED. REFER TO ARCHITECTURAL PLANS FOR MOUNTING HEIGHT AND LOCATION. COORDINATE EXACT LOCATION IN FIELD WITH ARCHITECT, METAL BUILDING CONTRACTOR, AND WITH LOCATION OF STRUCTURE PRIOR TO ROUGH-IN. FANS AND HOODS SHALL BE INSTALLED WITH FLASHING AND CAULK AS REQUIRED TO PREVENT RAIN INTRUSION.
- PROVIDE WALL FAN COMBINATION MOTOR STARTERS ON WALL BELOW EXHAUST FAN AT 4'-0" A.F.F. PROVIDE INTERLOCK WIRING AND CONDUIT TO CORRESPONDING LOUVER MOTORIZED DAMPER END SWITCH. SEQUENCE OF CONTROLS: WHEN FAN IS STARTED, MOTORIZED LOUVER DAMPER SHALL OPEN. WHEN DAMPER IS FULLY OPEN, THE CORRESPONDING FAN SHALL START. CONTRACTOR SHALL RUN LOW VOLTAGE CONTROL WIRING IN CONDUIT.
- INSTALL HIGH VOLUME LOW SPEED FAN IN MIDDLE OF BUILDING MOUNTED TO STRUCTURE AND SECURED WITH GUY WIRES. FAN SHALL BE MOUNTED AT MAXIMUM HEIGHT TO PROVIDE 36" CLEARANCE BETWEEN THE FAN BLADE TIPS AND THE STRUCTURE ABOVE. PROVIDE FACTORY MOUNTING EXTENSION AS REQUIRED.
- INSTALL FAN CONTROLLER ON WALL IN THIS VICINITY. COORDINATE LOCATION WITH EQUIPMENT ON WALL.
- INSTALL ARMSTRONG MONITORING MODEL AMC-1DBx DIGITAL MONITOR WITH AUDIO/VISUAL ALARM ON WALL THIS VICINITY. MONITOR SHALL ACTIVATE EF-G6 AND EF-G7 AND OPEN LOUVERS UPON DETECTION OF CO OR NO2. RUN LOW VOLTAGE WIRING IN CONDUIT TO EACH SENSOR AND FAN STARTER LOCATION SHOWN.
- INSTALL ARMSTRONG MONITORING AMC-UTX-M-400 CO/NO2 MONITOR SENSOR. COORDINATE EXACT LOCATION IN FIELD. MOUNT AT HEIGHT REQUIRED BY MANUFACTURER.
- MOUNT GAS UNIT HEATER APPROXIMATELY 11'-0" A.F.F. COORDINATE LOCATION OF UNIT HEATERS WITH DOORS, FANS, CAR LIFTS, AND STRUCTURAL BEAMS, ETC PRIOR TO INSTALLING EQUIPMENT. INTERLOCK WITH THERMOSTAT AS SHOWN. HEATER SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS AND RECOMMENDATIONS. INSTALL CONCENTRIC VENT WITH WALL PENETRATION INTAKE/INLET AS PER MANUFACTURER'S RECOMMENDATIONS. COORDINATE WALL PENETRATION WITH DOORS, LIGHTING, PIPING, ETC. ALL HORIZONTAL VENTS SHALL TERMINATE 3'-0" ABOVE ROOF EDGE.
- INSTALL CONCENTRIC VENT KIT THRU ROOF TO MANUFACTURER RECOMMENDED LISTED VENT CAP 3'-0" ABOVE ROOF PENETRATION/ROOF LINE. CONNECT 4" FLUE VENT AND 4" COMBUSTION AIR VENT FROM GAS EQUIPMENT TO VENT VERIFY ALL OUTSIDE AIR INTAKES ARE A MINIMUM OF TEN FEET FROM VENT LOCATION. REFER TO DETAIL.
- PROVIDE MONOXIVENT MODEL 9326-W SPRING OPERATED HOSE REEL WITH 32x6" SERIES 4000 HOSE AND MODEL TCA-6-VG TAPERED CONE TAILPIPE ADAPTOR WITH VISE GRIP CLAMP FOR 6" DIAMETER HOSE WITH SLEEVE. (FOR 600 CFM EXHAUST APPLICATION) SECURE FROM STRUCTURE ABOVE AND PROVIDE GUY WIRES TO WALLS.



Brossett
Architect



Brossett Architect, LLC • 414 Pujo St., Lake Charles, LA 70601

LAKE CHARLES PUBLIC WORKS
NEW FACILITY PHASE 2

4200 BROAD STREET
LAKE CHARLES, LA 70615

MECHANICAL PLAN - VEHICLE MAINTENANCE

M2.3

ARCH #24009 BA

SHEET NO.

VER.	DATE	DESCRIPTION
0	12/20/2025	CONSTRUCTION DOCUMENTS

© COPYRIGHT 2025,
Brossett Architect, LLC
All Rights Reserved.
This document shall not be
copied or reproduced
without written permission.



ASSOCIATED DESIGN GROUP, INC.

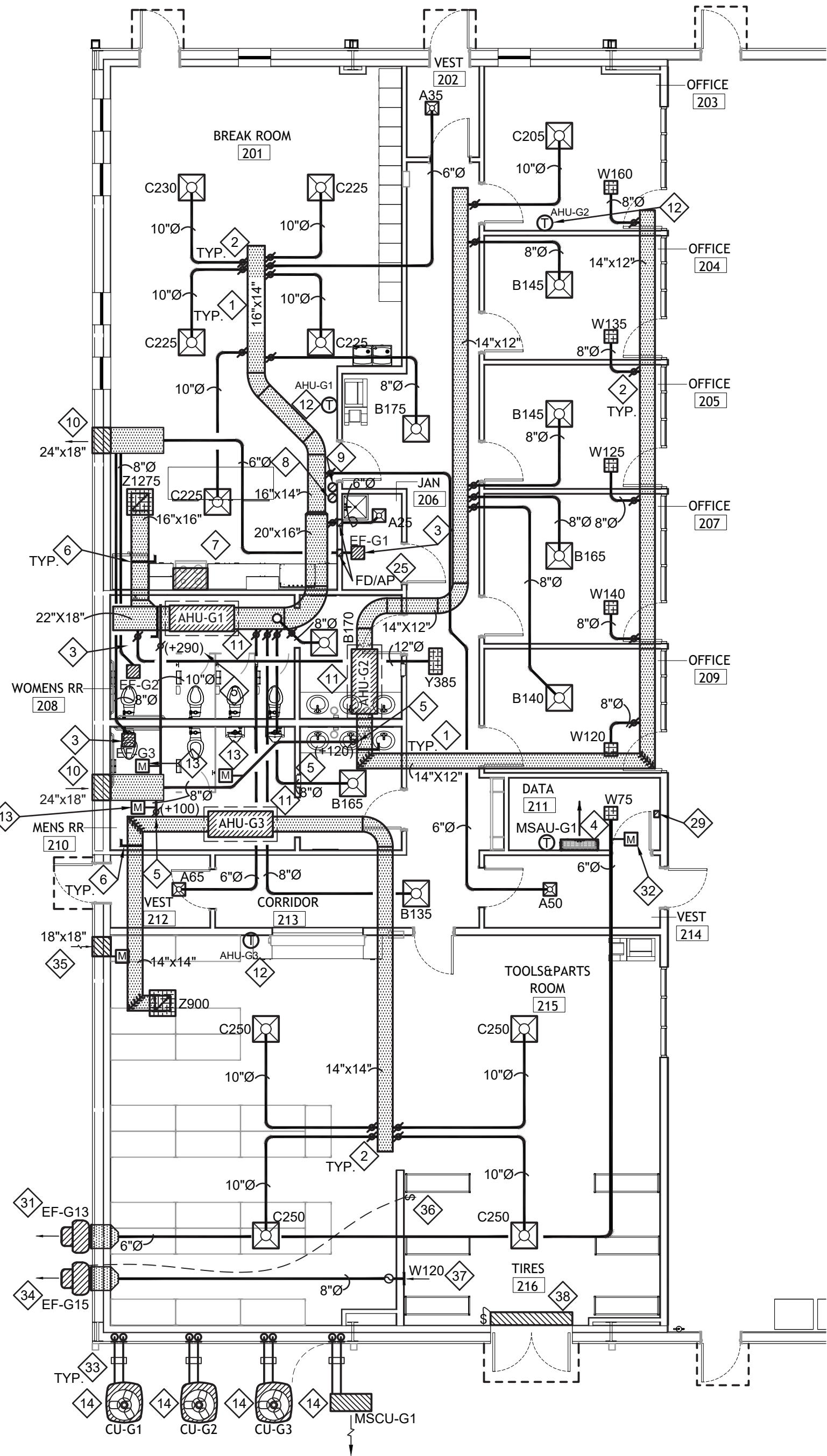
3909 W Congress Street, Suite 201
Lafayette, Louisiana 70506
Phone: (337) 234-5710
Email: adginc@adginc.org

Project No. 25082

CONSTRUCTION DOCUMENTS

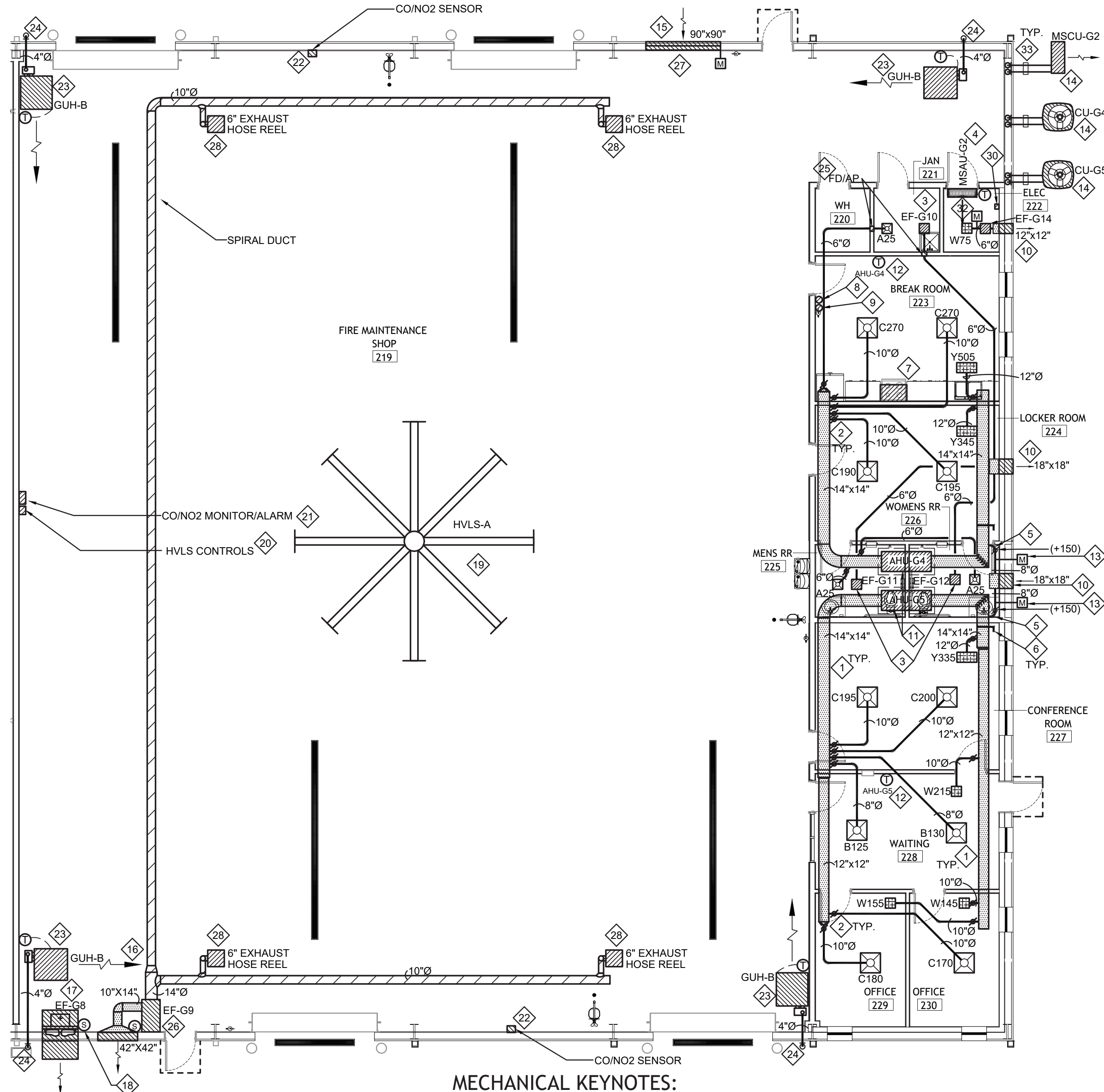
1 ENLARGED MECHANICAL PLAN - VEHICLE MAINTENANCE

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



2 ENLARGED MECHANICAL PLAN - VEHICLE MAINTENANCE

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



AIR BALANCE SCHEDULE
FIRE MAINTENANCE OFFICES
BLDG "G"

ITEM	O.A.	R.A.	S.A.	E.A.	PRESSURE
AHU-G4	150	850	1,000	-	+150
AHU-G5	150	850	1,000	-	+150
EF-G1	--	--	--	50	-50
EF-G2	--	--	--	50	-50
EF-G3	--	--	--	50	-50
EF-G14	--	--	--	75	-75
TOTAL	300	1,700	2,000	225	+75

MECHANICAL KEYNOTES:

17. INSTALL WALL MOUNTED EXHAUST FAN HIGH IN WALL WITH WEATHERHOOD WHERE INDICATED. REFER TO ARCHITECTURAL PLANS FOR MOUNTING HEIGHT AND LOCATION. COORDINATE EXACT LOCATION IN FIELD WITH ARCHITECT, METAL BUILDING CONTRACTOR, AND WITH LOCATION OF STRUCTURE PRIOR TO ROUGH-IN. FANS AND HOODS SHALL BE INSTALLED WITH FLASHING AND CAULK AS REQUIRED TO PREVENT RAIN INTRUSION.
18. PROVIDE WALL FAN COMBINATION MOTOR STARTERS ON WALL BELOW EXHAUST FAN AT 4'-0" A.F.F. PROVIDE INTERLOCK WIRING AND CONDUIT TO CORRESPONDING LOUVER MOTORIZED DAMPER END SWITCH. SEQUENCE OF CONTROLS: WHEN FAN IS STARTED, MOTORIZED LOUVER DAMPER SHALL OPEN. WHEN DAMPER IS FULLY OPEN, THE CORRESPONDING FAN SHALL START. CONTRACTOR SHALL RUN LOW VOLTAGE CONTROL WIRING IN CONDUIT.
19. INSTALL HIGH VOLUME LOW SPEED FAN IN MIDDLE OF BUILDING MOUNTED TO STRUCTURE AND SECURED WITH GUY WIRES. FAN SHALL BE MOUNTED AT MAXIMUM HEIGHT TO PROVIDE 36" CLEARANCE BETWEEN THE FAN BLADE TIPS AND THE STRUCTURE ABOVE. PROVIDE FACTORY MOUNTING EXTENSION AS REQUIRED.
20. INSTALL FAN CONTROLLER ON WALL IN THIS VICINITY. COORDINATE LOCATION WITH EQUIPMENT ON WALL.
21. INSTALL ARMSTRONG MONITORING MODEL AMC-1DBX DIGITAL MONITOR WITH AUDIO/VISUAL ALARM ON WALL THIS VICINITY. MONITOR SHALL ACTIVATE EXHAUST FANS AND OPEN LOUVERS UPON DETECTION OF CO OR NO2. RUN LOW VOLTAGE WIRING IN CONDUIT TO EACH SENSOR AND FAN STARTER LOCATION SHOWN.
22. INSTALL ARMSTRONG MONITORING AMC-UTX-M-400 CO/NO2 MONITOR SENSOR. COORDINATE EXACT LOCATION IN FIELD. MOUNT AT HEIGHT REQUIRED BY MANUFACTURER.
23. MOUNT GAS UNIT HEATER APPROXIMATELY 11'-0" A.F.F. COORDINATE LOCATION OF UNIT HEATERS WITH DOORS, FANS, CAR LIFTS, AND STRUCTURAL BEAMS, ETC PRIOR TO INSTALLING EQUIPMENT. INTERLOCK WITH THERMOSTAT AS SHOWN. HEATER SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS AND RECOMMENDATIONS. INSTALL CONCENTRIC VENT WITH WALL PENETRATION INTAKE/INLET AS PER MANUFACTURER'S RECOMMENDATIONS. COORDINATE WALL PENETRATION WITH DOORS, LIGHTING, PIPING, ETC. ALL HORIZONTAL VENTS SHALL TERMINATE 3'-0" ABOVE ROOF EDGE.
24. INSTALL CONCENTRIC VENT KIT THRU ROOF TO MANUFACTURER RECOMMENDED LISTED VENT CAP 3'-0" ABOVE ROOF PENETRATION/ROOF LINE. CONNECT 4" FLUE VENT AND 4" COMBUSTION AIR VENT FROM GAS EQUIPMENT TO VENT VERIFY ALL OUTSIDE AIR INTAKES ARE A MINIMUM OF TEN FEET FROM VENT LOCATION. REFER TO DETAIL.
25. PROVIDE AND INSTALL FIRE DAMPER IN RATED WALL WHERE SHOWN. PROVIDE ACCESS PANEL IN DUCTWORK IN ACCESSIBLE LOCATION.
26. INSTALL EXHAUST EXTRACTION FAN ON WALL AT MAX. HEIGHT BELOW ROOF WITH WALL MOUNTING BRACKET. TRANSITION DUCT FROM FAN TO LOUVER ON EXTERIOR WALL. SEAL DUCT CONNECTION SMOKE TIGHT. METAL BUILDING CONTRACTOR SHALL FLASH LOUVER IN WALL TO PREVENT WATER LEAKAGE AND INTRUSION. PROVIDE START/STOP SWITCH ON WALL BELOW FAN 4'-0" A.F.F.
27. INTERLOCK MOTORIZED DAMPER IN LOUVER AND FAN DUCTWORK WITH EF-G8. DAMPER SHALL OPEN PRIOR TO FAN STARTING AND CLOSE WHEN FAN IS OFF. SEE HVAC PLAN FOR SIZE OF LOUVER. CONTRACTOR SHALL RUN CONTROL WIRING IN CONDUIT.
28. PROVIDE MONOXIDENT MONITORING MODEL 9326-W SPRING OPERATED HOSE REEL WITH 32"x6" SERIES 4000 HOSE AND MODEL TCA-6-VG TAPERED CONE TAILPIPE ADAPTOR WITH VISE GRIP CLAMP FOR 6" DIAMETER HOSE WITH SLEEVE. (FOR 600 CFM EXHAUST APPLICATION) SECURE FROM STRUCTURE ABOVE AND PROVIDE GUY WIRES TO WALLS.
29. PROVIDE AND INSTALL A2L REFRIGERANT MONITOR IN SPACE SHOWN. MONITOR SHALL ALARM ON DETECTION OF REFRIGERANT, SHUT DOWN MSAU-G1 AND CORRESPONDING CONDENSING UNIT (MSCU-G1), OPEN RESPECTIVE MOTORIZED DAMPER, AND START EXHAUST FAN EF-G13. THE REVERSE SHALL OCCUR ONCE THE ALARM HAS CLEARED.
30. PROVIDE AND INSTALL A2L REFRIGERANT MONITOR IN SPACE SHOWN. MONITOR SHALL ALARM ON DETECTION OF REFRIGERANT, SHUT DOWN MSAU-G2 AND CORRESPONDING CONDENSING UNIT (MSCU-G2), OPEN RESPECTIVE MOTORIZED DAMPER, AND START EXHAUST FAN EF-G14. THE REVERSE SHALL OCCUR ONCE THE ALARM HAS CLEARED.
31. PROVIDE AND INSTALL WALL MOUNTED EXHAUST FAN HIGH IN WALL. COORDINATE EXACT LOCATION AND ELEVATION WITH ARCHITECT AND OWNER PRIOR TO INSTALLATION. REFER TO ARCHITECTURAL ELEVATIONS, MAINTAIN 10'-0" MINIMUM BETWEEN EXHAUST FAN AND ANY FRESH AIR OPENINGS. COORDINATE LOCATION OF FAN WITH DOORS, AND STRUCTURAL BEAMS, ETC PRIOR TO INSTALLING EQUIPMENT.
32. PROVIDE AND INSTALL MOTORIZED DAMPER IN EXHAUST DUCT (120-1-60 ELEC SERVICE).

MECHANICAL GENERAL NOTES:

- ALL NEW WORK SHALL COMPLY WITH LOCAL, STATE, AND FEDERAL CODES TO THE SATISFACTION OF CODE AUTHORITIES HAVING JURISDICTION.
- COORDINATE ALL CEILING DEVICES, DUCTWORK, ETC. WITH LIGHTING, STRUCTURE, ETC. THROUGH GENERAL CONTRACTOR. REFER TO ALL DRAWINGS, (STRUCTURAL, PLUMBING, ELECTRICAL, ARCHITECTURAL, ETC.). NOTIFY ARCHITECT/ENGINEER CONCERNING ANY CONFLICTS NOTED PRIOR TO BIDS FOR CLARIFICATION TO THE SATISFACTION OF THE REFER TO SPECIFICATIONS FOR REQUIREMENTS. REFER TO LATEST ARCHITECTURAL REFLECTED CEILING PLAN. COORDINATE ALL CEILING DEVICE LOCATIONS WITH CEILING GRID.
- ALL SUPPLY, RETURN, EXHAUST, AND OUTSIDE AIR DUCTWORK SHALL BE EXTERNALLY INSULATED UNLESS NOTED OTHERWISE ON DRAWINGS. DUCT SIZES SHOWN ARE CLEAR METAL TO METAL. WRAP ALL DUCTWORK EXTERNALLY.
- HARDCAST ALL NEW DUCTWORK JOINTS FOR AIRTIGHT SYSTEM. REFER TO DETAILS FOR DUCTWORK TAP, SPLITTER, BRANCH CONFIGURATION, ETC. INSTALL IN ACCORDANCE WITH SMACNA RECOMMENDATIONS AND INSTALLATION GUIDELINES.
- VERIFY ALL OUTSIDE AIR INTAKES ARE A MINIMUM OF TEN FEET FROM EXHAUST OUTLETS, SEWER VENTS, ETC.
- CONTRACTOR SHALL SEAL ALL PIPING AND DUCT PENETRATIONS THROUGH WALLS AND FLOORS AS PER THE RATED UL DESIGNATIONS REQUIREMENTS. REFER TO ARCHITECTURAL PLANS FOR ALL UL RATINGS.
- PROVIDE ACCESS PANELS (PER SPECIFICATIONS) AS NEEDED FOR ACCESS TO ALL NEW FIRE DAMPERS, MANUAL DAMPERS, AND MOTORIZED DAMPERS. COORDINATE FINAL LOCATION/SIZE WITH ENGINEER/OWNER. ALL DAMPERS, ACCESS PANELS, ETC SHALL BE INSTALLED FOR MAXIMUM ACCESSIBILITY.
- CONTRACTOR SHALL CAP AND SEAL ALL DUCTWORK DURING CONSTRUCTION TO PREVENT CONTAMINATION DUE TO CONSTRUCTION DEBRIS.
- PROGRAMMABLE THERMOSTAT SHALL REMAIN IN FAN "AUTO" MODE.

MECHANICAL KEYNOTES:

1. RUN MAIN TRUNKLINES APPROXIMATELY AS SHOWN. COORDINATE EXACT LOCATION WITH STRUCTURE, PIPING, CONDUIT, DEVICES ABOVE CEILING, ETC. MAKE ALL REQUIRED OFFSETS, TRANSITIONS, ETC. (MAINTAIN EQUIVALENT DUCT FREE AREA IN TRANSITIONS). RUN DUCTWORK TO MINIMIZE OFFSETS, CHANGES IN ELEVATION, TRANSITIONS, ETC. COORDINATE WITH OTHER TRADES. (TYPICAL)
2. PROVIDE AND INSTALL MANUAL DAMPER AT DUCT TAP SPIN FITTING ABOVE ACCESSIBLE CEILING AND BALANCE TO CFM INDICATED AT GRILLE. DUCT TAPS SHALL BE A MINIMUM OF 12" FROM END OF SUPPLY AIR DUCT. (TYPICAL)
3. OCCUPANCY SENSOR (CEILING MOUNTED) SHALL ACTIVATE EXHAUST FAN. MECHANICAL CONTRACTOR SHALL PROVIDE SENSOR & TIMER AND ELECTRICAL CONTRACTOR SHALL INSTALL SENSOR & TIMER.
4. PROVIDE AND INSTALL A WALL-MOUNTED MINI-SPLIT UNIT ON WALL IN THIS VICINITY. INSTALL AS PER MANUFACTURER'S INSTRUCTIONS AND DIRECTIONS, PROVIDING ALL ACCESSORIES AND ITEMS REQUIRED.
5. CONNECT OUTSIDE AIR DUCTWORK TO RETURN AIR DUCTWORK IN THIS VICINITY. PROVIDE MANUAL BALANCING DAMPERS ON OUTSIDE AIR AND RETURN AIR DUCTS. BALANCE TO CFM INDICATED ON PLANS.
6. PROVIDE AND INSTALL MANUAL BALANCING DAMPER IN RETURN AIR DUCT. (TYPICAL)
7. PROVIDE AND INSTALL A 30" STAINLESS STEEL NON-DUCTED RANGE HOOD. (1.38 AMP @ 120/1/60 SERVICE) PROVIDE RANGE HOOD WET CHEMICAL SYSTEM WITH ALL ACCESSORIES REQUIRED FOR PROPER OPERATION INCLUDING ELECTRIC STOVE SHUTOFF AND AUDIBLE ALARM. (DENLAR D1030-F WITH D1030-TCF OR APPROVED EQUAL) CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE FIRE MARSHAL'S INTERPRETIVE MEMORANDUM 2009-01 FOR USE OF RESIDENTIAL RANGE HOOD AND SUPPRESSION SYSTEM. COORDINATE SIZE OF HOOD WITH ARCHITECT/MILLWORK PRIOR TO ORDERING.
8. PROVIDE AND INSTALL MANUAL PULL STATIONS FOR WET CHEMICAL SYSTEMS APPROX. WHERE SHOWN. COORDINATE EXACT LOCATION IN FIELD WITH ARCHITECT.
9. PROVIDE AND INSTALL A TYPE-K FIRE EXTINGUISHER APPROX. WHERE SHOWN. COORDINATE EXACT LOCATION IN THE FIELD WITH THE ARCHITECT.
10. OUTSIDE AIR/EXHAUST LOUVER (RUSKIN EMES20MD OR EQUAL APPROVED, COLOR BY ARCHITECT) WITH BIRD & INSECT SCREEN AT SIZE INDICATED. CONTRACTOR SHALL PROVIDE PLENUM BOX FULL SIZE OF LOUVER FOR DUCT CONNECTION. VERIFY LOUVER COLOR, ELEVATION AND EXACT LOCATION WITH ARCHITECT PRIOR TO INSTALLATION. LOUVER SHALL BE INSTALLED WITH FLASHING AND CAULK AS REQUIRED TO PREVENT RAIN INTRUSION.
11. INSTALL AIR HANDLER UNIT, ON GALVANIZED ALUMINUM EQUIPMENT SUPPORTS AND NEOPRENE ISOLATION PAD, IN AN EMERGENCY DRAIN PAN. EMERGENCY DRAIN PAN SHALL EXTEND 4" ALL AROUND PERIMETER OF ALL UNITS WITH A 3/4" INSULATED COPPER EMERGENCY DRAIN PIPE WITH BALL VALVE (NC). EXTEND INSULATED COPPER CONDENSATE DRAIN LINE TO HUB DRAIN ON MECHANICAL PLATFORM AND TERMINATE DOWN WITH 2" AIR GAP. PROVIDE FLOAT SWITCH IN EMERGENCY DRAIN PAN AND INTERLOCK WITH AHU FAN MOTOR. COORDINATE MOUNTING HEIGHT OF AIR HANDLER WITH CONDENSATE P-TRAP.
12. PROVIDE AND INSTALL NEW 7-DAY PROGRAMMABLE THERMOSTAT WHERE INDICATED. LABEL EACH THERMOSTAT TO INDICATE UNIT SERVED.
13. PROVIDE AND INSTALL A MANUAL BALANCING DAMPER AND 120-1-60 ELECTRICAL SERVICE MOTORIZED DAMPER IN OUTSIDE AIR DUCT IN THIS VICINITY. INTERLOCK MOTORIZED DAMPER TO RESPECTIVE AIR HANDLING UNIT TO OPEN WHEN UNIT IS HEATING OR COOLING AND CLOSE WHEN UNIT IS NOT. PROVIDE ALL RELAYS, WIRING, ETC. REQUIRED FOR PROPER OPERATION. INSTALL MOTORIZED DAMPER IN AN ACCESSIBLE LOCATION. OUTSIDE AIR DUCTWORK SHALL CONNECT TO RETURN AIR DUCT AFTER THE RETURN AIR DAMPER FOR EACH SYSTEM. INSULATE MOTORIZED DAMPER SAME AS DUCT FOR NOISE.
14. PROVIDE AND INSTALL OUTDOOR CONDENSING UNIT ON RUBBER ISOLATION PADS ON CONCRETE PAD IN THIS VICINITY. CONCRETE PAD BY GENERAL CONTRACTOR. RUN INSULATED REFRIGERANT LINES TO EXTERIOR WALL ON UNI-STRUT SUPPORTS. THIMBLE REFRIGERANT PIPING INTO EXTERIOR WALL. TURN AND RISE UP IN EXTERIOR WALL TO ABOVE CEILING ELEVATION. CONTINUE ABOVE CEILING ELEVATION AND CONNECT TO RESPECTIVE INDOOR AIR CONDITIONING UNIT ON MECHANICAL PLATFORM. PROVIDE ALL REFRIGERANT ACCESSORIES AND ITEMS REQUIRED FOR PROPER INSTALLATION AND OPERATION. WRAP ALL EXTERIOR / EXPOSED PIPING WITH WHITE VENTURE CLAD. OVERLAP ALL SEAMS AND INSTALL AS PER MANUFACTURER'S INSTRUCTIONS. PROVIDE WALL PENETRATION BOX (ARITEX TITAN G330 OR APPROVED EQUIVALENT AT EACH REFRIGERANT LINE WALL PENETRATION - SEE DETAIL). SEAL ALL WALL PENETRATIONS AIR AND WEATHER TIGHT.
15. PROVIDE AND INSTALL OUTSIDE AIR WALL LOUVER LOW IN WALL APPROXIMATELY 1'-0" A.F.F. (RUSKIN ELC6375DXD OR APPROVED EQUIVALENT WITH DRIP CAP, EXTENDED SILL, BIRD SCREEN, 120/1/60 CONCEALED MOTORIZED DAMPER SCREEN ON BACK INSIDE BUILDING, AND ANODIZED FINISH WITH COLOR SELECTED BY ARCHITECT). COORDINATE EXACT LOCATION AND ELEVATION WITH ARCHITECT AND OWNER PRIOR TO INSTALLATION. REFER TO ARCHITECTURAL ELEVATIONS. LOUVER SHALL BE INSTALLED WITH FLASHING AND CAULK AS REQUIRED TO PREVENT RAIN INTRUSION. COORDINATE FRAMED OPENING FOR LOUVER WITH METAL BUILDING CONTRACTOR.
16. PROVIDE VEHICLE EXHAUST EXTRACTION SYSTEM AS SCHEDULED. PROVIDE ON/OFF SWITCH ON WALL BELOW FAN 4'-0" A.F.F. PROVIDE SPIRAL DUCTWORK AND HOSEREELS FOR DISTRIBUTION SYSTEM. ALL DUCT, FAN, LOUVER, AND HOSEREEL CONNECTIONS SHALL BE SEALED TIGHT. PROVIDE PRESSURE AND SMOKE TEST ON SYSTEM PRIOR TO PLACING IN OPERATION. PROVIDE THREADED ROD HANGERS FOR EXHAUST DUCT AT 10' O.C. CONNECTED TO BUILDING STRUCTURE.

NOTE:
ROOFTOP EQUIPMENT AND ROOF CURB ASSEMBLIES SHALL BE DESIGNED AND CONSTRUCTED TO MEET THE LATEST WIND LOADING CRITERIA OF ASCE 7-16. ANCHOR ROOF CURBS TO STRUCTURE BELOW. SECURE FANS WITH WIRE ROPE TO THEIR RESPECTIVE ROOF CURB AND ROOF DECK. PROVIDE STAINLESS STEEL FASTENERS NOT EXCEEDING 6" ON CENTER BETWEEN THE EQUIPMENT, TRANSITION PIECES AND THE ROOF CURB.



ASSOCIATED DESIGN GROUP, INC.
3909 W Congress Street, Suite 201
Lafayette, Louisiana 70506
Phone: (337) 234-5710
Email: adginc@adginc.org

Project No. 25082

CONSTRUCTION DOCUMENTS



Brossett
Architect



Brossett Architect, LLC • 414 Pujot St., Lake Charles, LA 70601

LAKE CHARLES PUBLIC WORKS
NEW FACILITY PHASE 2

4200 BROAD STREET
LAKE CHARLES, LA 70615

MECHANICAL PLAN - VEHICLE MAINTENANCE

SHEET NO.

M2.4

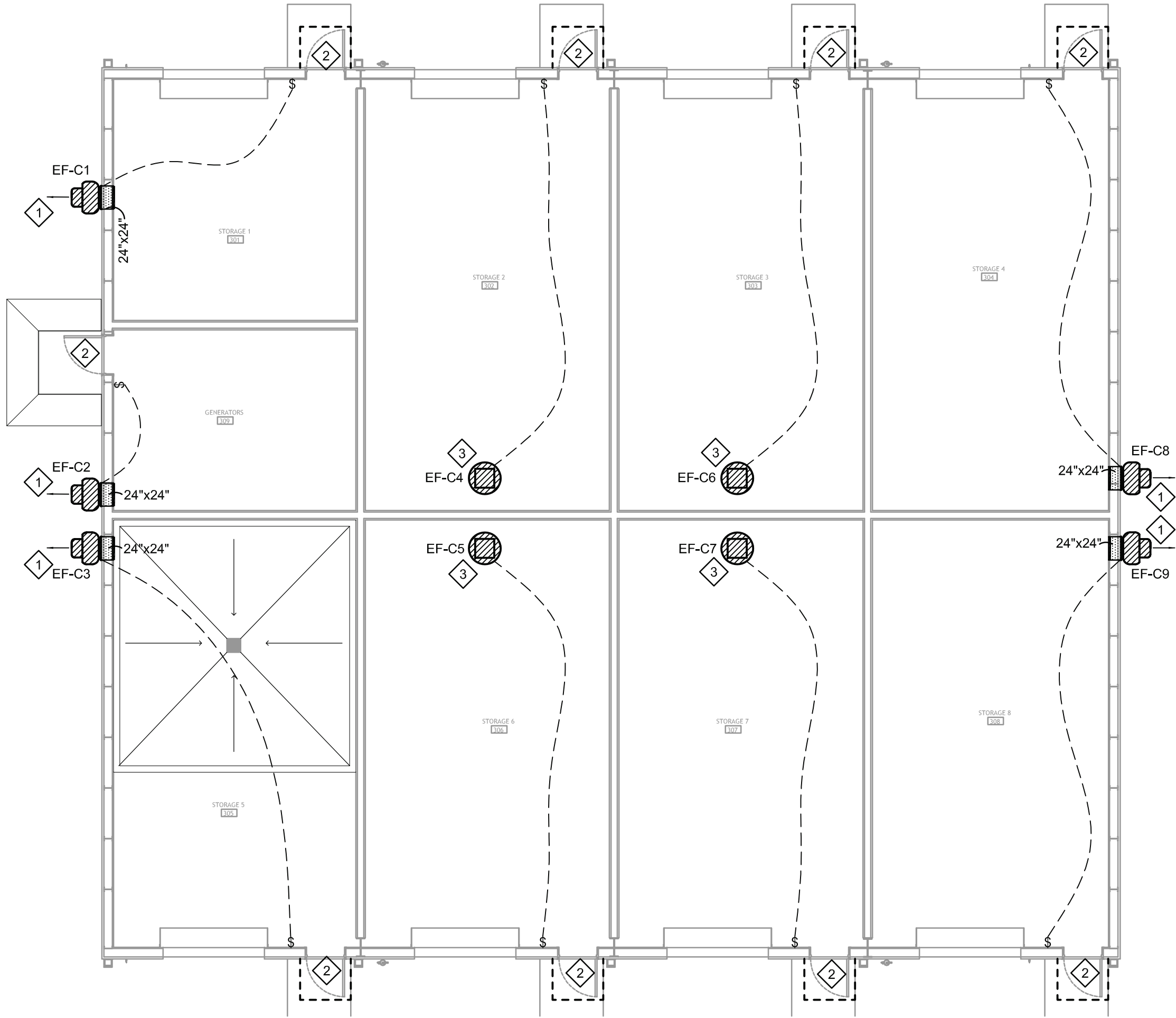
ARCH #24009 B&A

VER.	DATE	DESCRIPTION
0	12/20/2025	CONSTRUCTION DOCUMENTS

© COPYRIGHT 2025,
Brossett Architect, LLC
All Rights Reserved.
This document shall not be
copied or reproduced
without written permission.

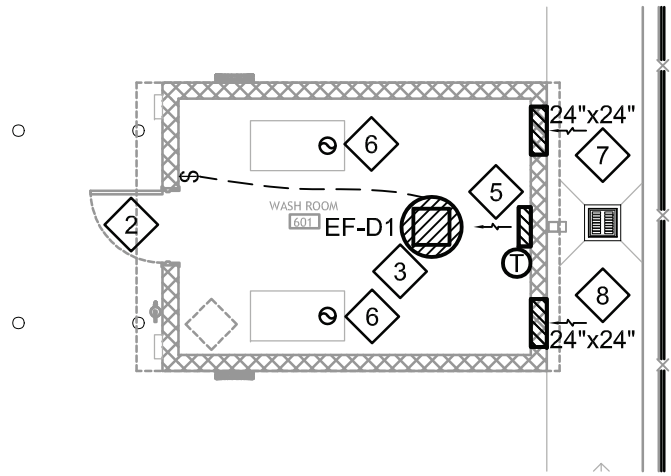
1 MECHANICAL PLAN - STORAGE BUILDING

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



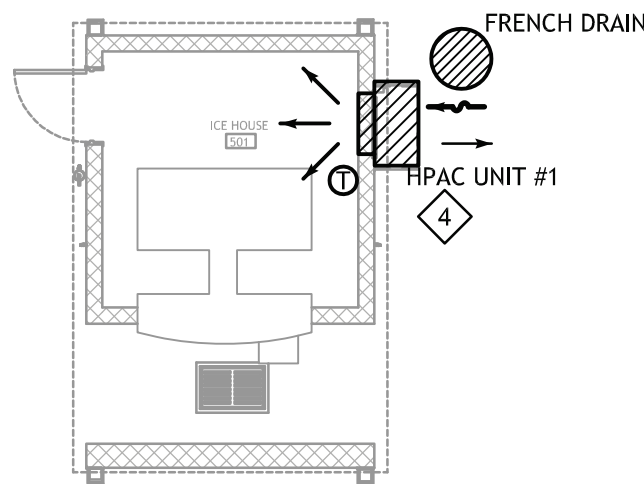
2 MECHANICAL PLAN - WASH ROOM

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



3 MECHANICAL PLAN - ICE HOUSE

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



MECHANICAL GENERAL NOTES:

- ALL NEW WORK SHALL COMPLY WITH LOCAL, STATE, AND FEDERAL CODES TO THE SATISFACTION OF CODE AUTHORITIES HAVING JURISDICTION.
- COORDINATE ALL CEILING DEVICES, DUCTWORK, ETC. WITH LIGHTING, STRUCTURE, ETC. THROUGH GENERAL CONTRACTOR. REFER TO ALL DRAWINGS, (STRUCTURAL, PLUMBING, ELECTRICAL, ARCHITECTURAL, ETC.). NOTIFY ARCHITECT/ENGINEER CONCERNING ANY CONFLICTS NOTED PRIOR TO BIDS FOR CLARIFICATION TO THE SATISFACTION OF THE REFER TO SPECIFICATIONS FOR REQUIREMENTS. REFER TO LATEST ARCHITECTURAL REFLECTED CEILING PLAN. COORDINATE ALL CEILING DEVICE LOCATIONS WITH CEILING GRID.
- ALL SUPPLY, RETURN, EXHAUST, AND OUTSIDE AIR DUCTWORK SHALL BE EXTERNALLY INSULATED UNLESS NOTED OTHERWISE ON DRAWINGS. DUCT SIZES SHOWN ARE CLEAR METAL TO METAL. WRAP ALL DUCTWORK EXTERNALLY.
- HARDCAST ALL NEW DUCTWORK JOINTS FOR AIRTIGHT SYSTEM. REFER TO DETAILS FOR DUCTWORK TAP, SPLITTER, BRANCH CONFIGURATION, ETC. INSTALL IN ACCORDANCE WITH SMACNA RECOMMENDATIONS AND INSTALLATION GUIDELINES.
- VERIFY ALL OUTSIDE AIR INTAKES ARE A MINIMUM OF TEN FEET FROM EXHAUST OUTLETS, SEWER VENTS, ETC.
- CONTRACTOR SHALL SEAL ALL PIPING AND DUCT PENETRATIONS THROUGH WALLS AND FLOORS AS PER THE RATED UL DESIGNATION'S REQUIREMENTS. REFER TO ARCHITECTURAL PLANS FOR ALL UL RATINGS.
- PROVIDE ACCESS PANELS (PER SPECIFICATIONS) AS NEEDED FOR ACCESS TO ALL NEW FIRE DAMPERS, MANUAL DAMPERS, AND MOTORIZED DAMPERS. COORDINATE FINAL LOCATION/SIZE WITH ENGINEER/OWNER. ALL DAMPERS, ACCESS PANELS, ETC SHALL BE INSTALLED FOR MAXIMUM ACCESSIBILITY.
- CONTRACTOR SHALL CAP AND SEAL ALL DUCTWORK DURING CONSTRUCTION TO PREVENT CONTAMINATION DUE TO CONSTRUCTION DEBRIS.

MECHANICAL KEYNOTES:

- PROVIDE AND INSTALL WALL MOUNTED EXHAUST FAN HIGH IN WALL. COORDINATE EXACT LOCATION AND ELEVATION WITH ARCHITECT AND OWNER PRIOR TO INSTALLATION. REFER TO ARCHITECTURAL ELEVATIONS. MAINTAIN 10'-0" MINIMUM BETWEEN EXHAUST FAN AND ANY FRESH AIR OPENINGS. COORDINATE LOCATION OF FAN WITH DOORS, AND STRUCTURAL BEAMS, ETC PRIOR TO INSTALLING EQUIPMENT. EXHAUST FAN SHALL BE CONTROLLED BY SWITCH IN RESPECTIVE SPACE WHERE SHOWN PROVIDED BY CONTRACTOR. COORDINATE FRAMED OPENING AND MOUNTING WITH METAL BUILDING CONTRACTOR. EXHAUST FAN SHALL BE CONTROLLED BY SWITCH IN RESPECTIVE SPACE WHERE SHOWN.
- DOOR LOUVER PROVIDED BY ARCHITECT.
- PROVIDE AND INSTALL ROOF MOUNTED EXHAUST FAN HIGH APPROXIMATELY WHERE SHOWN. COORDINATE EXACT LOCATION WITH ARCHITECT AND OWNER PRIOR TO INSTALLATION. MAINTAIN 10'-0" MINIMUM BETWEEN EXHAUST FAN AND ANY FRESH AIR OPENINGS. COORDINATE LOCATION OF FAN WITH STRUCTURAL BEAMS AND ETC. PRIOR TO INSTALLING EQUIPMENT. EXHAUST FAN SHALL BE CONTROLLED BY SWITCH IN RESPECTIVE SPACE WHERE SHOWN.
- PROVIDE AND INSTALL NEW BARD A/C UNIT AS SCHEDULED. PACKAGED WALL MOUNTED UNIT SHALL BE BARD W24AF-A05XXXXXJ BEIGE COLOR WITH 5 KW AUXILIARY ELECTRIC HEAT, SUPPLY AND RETURN GRILLES, BARD THERMOSTAT, FIELD INSTALLED 120V MOTORIZED OUTSIDE AIR DAMPER AND OUTSIDE AIR INTAKE HOOD. Z08/230-1-60 ELECTRICAL SERVICE, 31A MCA, 35A MOCP. BALANCE EACH UNITS SUPPLY AIR TO 800 CFM, RETURN AIR TO 740 CFM, AND OUTSIDE AIR TO 60 CFM. SECURE TO WALL STRUCTURE AND FLASH AND SEAL WEATHERTIGHT. COORDINATE WALL SLEEVE LENGTH WITH WALL THICKNESS PRIOR TO ORDERING. MECHANICAL CONTRACTOR SHALL VERIFY THERE ARE NO LEAKS OR AIR SPACES AROUND THE PLENUMS WHERE AIR FROM WITHIN THE WALLS CAN MIGRATE INTO THE AIR HANDLER. IF SUCH LEAKS ARE DETECTED, FILL/SEAL WITH IRON GRIPS AND CLOSE ALL LEAKS. SEAL AROUND UNIT AS NECESSARY TO PREVENT ANY AIR LEAKS FROM AMBIENT TO THE CONDITIONED SPACE. (PROVIDE MOLDING, PACKING, ETC.) TERMINATE UNIT CONDENSATE IN FRENCH DRAIN.
- PROVIDE AND INSTALL ELECTRIC WALL HEATER IN THIS VICINITY FOR FREEZE PROTECTION (REZNOR MODEL EHC-AK2, Z08-1-60, 4KW, 13,660 BTUH). PROVIDE STANDARD WHITE FINISH, SURFACE MOUNTING BOX, BUILT IN THERMOSTAT. COORDINATE INSTALLATION WITH ELECTRICAL CONTRACTOR PRIOR TO ROUGH-IN.
- 8" COMBUSTION AIR VENT THRU ROOF WITH TERMINATION KIT. INSTALL PER MANUFACTURERS RECOMMENDATION WITH MANUFACTURER RECOMMENDED LISTED VENT CAP. COORDINATE WITH ROOFING CONTRACTOR FOR PROPER FLASHING.
- COMBUSTION AIR LOUVER (RUSKIN EMES20MD OR EQUAL APPROVED, COLOR BY ARCHITECT) WITH BIRD SCREEN AT SIZE INDICATED. VERIFY LOUVER COLOR, ELEVATION AND EXACT LOCATION WITH ARCHITECT PRIOR TO INSTALLATION. SEE HVAC PLAN FOR SIZE OF LOUVER. BOTTOM OF LOUVER SHALL BE INSTALLED APPROXIMATELY 1'-0" AFF.
- COMBUSTION AIR LOUVER (RUSKIN EMES20MD OR EQUAL APPROVED, COLOR BY ARCHITECT) WITH BIRD SCREEN AT SIZE INDICATED. VERIFY LOUVER COLOR, ELEVATION AND EXACT LOCATION WITH ARCHITECT PRIOR TO INSTALLATION. SEE HVAC PLAN FOR SIZE OF LOUVER. BOTTOM OF LOUVER SHALL BE INSTALLED APPROXIMATELY 1'-0" BELOW THE TOP OF THE WALL.

NOTE:
ROOFTOP EQUIPMENT AND ROOF CURB ASSEMBLIES SHALL BE DESIGNED AND CONSTRUCTED TO MEET THE LATEST WIND LOADING CRITERIA OF ASCE 7-16. ANCHOR ROOF CURBS TO STRUCTURE BELOW. SECURE FANS WITH WIRE ROPE TO THEIR RESPECTIVE ROOF CURB AND ROOF DECK. PROVIDE STAINLESS STEEL FASTENERS NOT EXCEEDING 6" ON CENTER BETWEEN THE EQUIPMENT, TRANSITION PIECES AND THE ROOF CURB.



ASSOCIATED DESIGN GROUP, INC.
3909 W Congress Street, Suite 201
Lafayette, Louisiana 70506
Phone: (337) 234-5710
Email: adginc@adginc.org

Project No. 25082

CONSTRUCTION DOCUMENTS



Brossett
Architect



Brossett Architect, LLC • 414 Pujo St., Lake Charles, LA 70601

LAKE CHARLES PUBLIC WORKS
NEW FACILITY PHASE 2

4200 BROAD STREET
LAKE CHARLES, LA 70615

MECHANICAL PLANS - BUILDINGS C, D, AND I

SHEET NO.

M2.5

ARCH #24009 BA

VER.	DATE	DESCRIPTION
0	12/20/2025	CONSTRUCTION DOCUMENTS

© COPYRIGHT 2025,
Brossett Architect, LLC
All Rights Reserved.
This document shall not be
copied or reproduced
without written permission.

VRF INDOOR UNIT SCHEDULE																										
Tag Reference	Room Name	System Tag	M-NET Address	Model	Type	Nominal Cooling Capacity (BTU/h)	Nominal Heating Capacity (BTU/h)	Cooling Design Entering Temp DB/WB (°F) / [Water in temp]	Heating Design Entering Temp DB/WB (°F) / [Water in temp]	Corrected Capacity					Estimated Cooling Coil LAT (°F) / [LWT]	Estimated Heating Coil LAT (°F) / [LWT]	Refrig Pipe Dim Liquid/Suction (inch)	Fan Speed Setting	Peak Fan Airflow (cfm) / [Design gpm G(US)/min]	Max Fan ESP Setting 208V/230V (IN WG)	Sound Pressure Per Fan Speed	Voltage / Phase	Power Cooling 208V/230V (kW)	Power Heating 208V/230V (kW)	Electrical MCA/MFS	Notes / Options
										Cooling Diversity Full/Partial (See Note 5, 6)	Cooling Total Capacity (BTU/h)	Cooling Sensible Capacity (BTU/h)	Heating Diversity Full/Partial (See Note 5, 6)	Heating Capacity (BTU/h)												
AC-1-1	101 COMM STORAGE	CU-1	1	PLFY-P05NFMU-ER1.TH	Ceiling-Cassette (Four-Way)	5,000	5,600	80.0/67.0	70	FULL DEMAND	4,910.0	4,349.8	FULL DEMAND	4,050.5	65.3	83.4	1/4 / 1/2	HIGH	280	N/A	26-28-30	208/230V/1-phase	0.02	0.02	0.24/0.24/15	1,2,3,4,5,6,7,8,14
AC-1-2	102 OFFICE	CU-1	2	PLFY-P05NFMU-ER1.TH	Ceiling-Cassette (Four-Way)	5,000	5,600	80.0/67.0	70	FULL DEMAND	4,910.0	4,349.8	FULL DEMAND	4,050.5	65.3	83.4	1/4 / 1/2	HIGH	280	N/A	26-28-30	208/230V/1-phase	0.02	0.02	0.24/0.24/15	1,2,3,4,5,6,7,8,11,14
AC-1-3	107 LAUNDRY	CU-1	3	PLFY-P08NFMU-ER1.TH	Ceiling-Cassette (Four-Way)	8,000	9,000	80.0/67.0	70	FULL DEMAND	7,856.1	6,161.4	FULL DEMAND	6,509.7	61.5	89.2	1/4 / 1/2	HIGH	315	N/A	26-30-33	208/230V/1-phase	0.02	0.02	0.28/0.28/15	1,2,3,4,5,6,7,8,11,14
AC-1-4	151 NORTH CORRIDOR	CU-1	4	PMFY-P06NBMU-ER6	Ceiling Cassette (One-Way)	6,000	6,700	80.0/67.0	70	FULL DEMAND	5,892.0	5,042.7	FULL DEMAND	4,846.1	64.5	84.6	1/4 / 1/2	HIGH	307	N/A	27-30-33-35	208/230V/1-phase	0.04	0.04	0.25/15	1,2,3,4,5,6,7,8,11,14
AC-1-5A	108 TRAFFIC/COMM WORKSHOP	CU-1	5	PLFY-EP12NEMU-ER1	Ceiling-Cassette (Four-Way)	12,000	13,500	80.0/67.0	70	FULL DEMAND	11,784.1	9,635.0	FULL DEMAND	9,764.5	64.8	85.1	1/4 / 1/2	HIGH	600	N/A	27-29-30-31	208/230V/1-phase	0.03	0.02	0.39/0.39/15	1,2,3,4,5,6,7,8,11,14
AC-1-5B	108 TRAFFIC/COMM WORKSHOP	CU-1	6	PLFY-EP12NEMU-ER1	Ceiling-Cassette (Four-Way)	12,000	13,500	80.0/67.0	70	FULL DEMAND	11,784.1	9,635.0	FULL DEMAND	9,764.5	64.8	85.1	1/4 / 1/2	HIGH	600	N/A	27-29-30-31	208/230V/1-phase	0.03	0.02	0.39/0.39/15	1,2,3,4,5,6,7,8,11,14
AC-1-6	109 OFFICE	CU-1	7	PLFY-P05NFMU-ER1.TH	Ceiling-Cassette (Four-Way)	5,000	5,600	80.0/67.0	70	FULL DEMAND	4,910.0	4,349.8	FULL DEMAND	4,050.5	65.3	83.4	1/4 / 1/2	HIGH	280	N/A	26-28-30	208/230V/1-phase	0.02	0.02	0.24/0.24/15	1,2,3,4,5,6,7,8,11,14
AC-1-7	111 SIGN STORAGE	CU-1	8	PLFY-P05NFMU-ER1.TH	Ceiling-Cassette (Four-Way)	5,000	5,600	80.0/67.0	70	FULL DEMAND	4,910.0	4,349.8	FULL DEMAND	4,050.5	65.3	83.4	1/4 / 1/2	HIGH	280	N/A	26-28-30	208/230V/1-phase	0.02	0.02	0.24/0.24/15	1,2,3,4,5,6,7,8,11,14
AC-1-8	110 SIGN WORKSHOP	CU-1	9	PLFY-EP18NEMU-E1R1	Ceiling-Cassette (Four-Way)	18,000	20,000	80.0/67.0	70	FULL DEMAND	17,676.1	14,349.7	FULL DEMAND	14,465.9	63.3	86.5	1/4 / 1/2	HIGH	812	N/A	28-30-32-34	208/230V/1-phase	0.04	0.04	0.54/0.43/15	1,2,3,4,5,6,7,8,11,14
AC-1-9	112 TRAFFIC/COMM PRODUCTION	CU-1	10	PEFY-P18NMAU-E5	Ceiling-Concealed (Ducted)	18,000	20,000	80.0/67.0	70	FULL DEMAND	17,676.1	16,838.0	FULL DEMAND	14,465.9	62.0	85.2	1/4 / 1/2	HIGH	883	0.6/0.6	31-35-39	208/230V/1-phase	0.082	0.14	2.88/15	1,2,3,4,5,6,9,11,14
AC-1-10	113 SIGN PRODUCTION	CU-1	11	PEFY-P24NMAU-E4	Ceiling-Concealed (Ducted)	24,000	27,000	80.0/67.0	70	FULL DEMAND	23,568.2	19,047.5	FULL DEMAND	19,529.0	59.6	90.5	3/8 / 5/8	HIGH	883	0.6/0.6	31-35-39	208/230V/1-phase	0.142	0.14	2.88/15	1,2,3,4,5,6,9,11,14
AC-1-11	114 CREW ROOM	CU-1	12	PEFY-P72NMHSU-E	Ceiling-Concealed (Ducted)	72,000	80,000	80.0/67.0	70	FULL DEMAND	70,704.6	56,276.9	FULL DEMAND	57,863.6	59.1	91.1	3/8 / 3/4	HIGH	2542	1	36-39-43/36-39-43	208/230/1-phase	0.63	0.63	10.3/15	1,2,3,4,5,6,9,11,14
AC-1-12	114 CREW ROOM	CU-1	13	PEFY-P72NMHSU-E	Ceiling-Concealed (Ducted)	72,000	80,000	80.0/67.0	70	FULL DEMAND	70,704.6	56,276.9	FULL DEMAND	57,863.6	59.1	91.1	3/8 / 3/4	HIGH	2542	1	36-39-43/36-39-43	208/230/1-phase	0.63	0.63	10.3/15	1,2,3,4,5,6,9,11,14
AC-1-13	115 BREAK ROOM	CU-1	14	PLFY-EP48NEMU1-E.TH	Ceiling-Cassette (Four-Way)	48,000	54,000	80.0/67.0	70	FULL DEMAND	47,136.4	32,949.3	FULL DEMAND	39,057.9	54.8	99.3	3/8 / 5/8	HIGH	1236	N/A	36-39-42-45	208/230V/1-phase	0.11	0.11	1.27/1.27/15	1,2,3,4,5,6,7,8,11,14
AC-1-14	114 CREW ROOM	CU-1	15	PLFY-P05NFMU-ER1.TH	Ceiling-Cassette (Four-Way)	5,000	5,600	80.0/67.0	70	FULL DEMAND	4,910.0	4,349.8	FULL DEMAND	4,050.5	65.3	83.4	1/4 / 1/2	HIGH	280	N/A	26-28-30	208/230V/1-phase	0.02	0.02	0.24/0.24/15	1,2,3,4,5,6,7,8,11,14
AC-1-15	117 MENS LOCKER ROOM	CU-1	16	PLFY-P05NFMU-ER1.TH	Ceiling-Cassette (Four-Way)	5,000	5,600	80.0/67.0	70	FULL DEMAND	4,910.0	4,349.8	FULL DEMAND	4,050.5	65.3	83.4	1/4 / 1/2	HIGH	280	N/A	26-28-30	208/230V/1-phase	0.02	0.02	0.24/0.24/15	1,2,3,4,5,6,7,8,11,14
AC-1-16	119 MENS WASH ROOM	CU-1	17	PLFY-P05NFMU-ER1.TH	Ceiling-Cassette (Four-Way)	5,000	5,600	80.0/67.0	70	FULL DEMAND	4,910.0	4,349.8	FULL DEMAND	4,050.5	65.3	83.4	1/4 / 1/2	HIGH	280	N/A	26-28-30	208/230V/1-phase	0.02	0.02	0.24/0.24/15	1,2,3,4,5,6,7,8,11,14
AC-1-17	118 MENS RESTROOM	CU-1	18	PLFY-P05NFMU-ER1.TH	Ceiling-Cassette (Four-Way)	5,000	5,600	80.0/67.0	70	FULL DEMAND	4,910.0	4,349.8	FULL DEMAND	4,050.5	65.3	83.4	1/4 / 1/2	HIGH	280	N/A	26-28-30	208/230V/1-phase	0.02	0.02	0.24/0.24/15	1,2,3,4,5,6,7,8,11,14
AC-1-18	122 VESTIBULE	CU-1	19	PLFY-P05NFMU-ER1.TH	Ceiling-Cassette (Four-Way)	5,000	5,600	80.0/67.0	70	FULL DEMAND	4,910.0	4,349.8	FULL DEMAND	4,050.5	65.3	83.4	1/4 / 1/2	HIGH	280	N/A	26-28-30	208/230V/1-phase	0.02	0.02	0.24/0.24/15	1,2,3,4,5,6,7,8,11,14
AC-1-19	124 WOMENS LOCKER ROOM	CU-1	20	PLFY-P05NFMU-ER1.TH	Ceiling-Cassette (Four-Way)	5,000	5,600	80.0/67.0	70	FULL DEMAND	4,910.0	4,349.8	FULL DEMAND	4,050.5	65.3	83.4	1/4 / 1/2	HIGH	280	N/A	26-28-30	208/230V/1-phase	0.02	0.02	0.24/0.24/15	1,2,3,4,5,6,7,8,11,14
AC-1-20	123 WOMENS WASH ROOM	CU-1	21	PLFY-P05NFMU-ER1.TH	Ceiling-Cassette (Four-Way)	5,000	5,600	80.0/67.0	70	FULL DEMAND	4,910.0	4,349.8	FULL DEMAND	4,050.5	65.3	83.4	1/4 / 1/2	HIGH	280	N/A	26-28-30	208/230V/1-phase	0.02	0.02	0.24/0.24/15	1,2,3,4,5,6,7,8,11,14
AC-1-21	125 WOMENS RESTROOM	CU-1	22	PLFY-P05NFMU-ER1.TH	Ceiling-Cassette (Four-Way)	5,000	5,600	80.0/67.0	70	FULL DEMAND	4,910.0	4,349.8	FULL DEMAND	4,050.5	65.3	83.4	1/4 / 1/2	HIGH	280	N/A	26-28-30	208/230V/1-phase	0.02	0.02	0.24/0.24/15	1,2,3,4,5,6,7,8,11,14

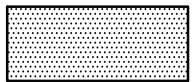
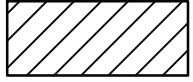
Notes & Options:

- Nominal cooling capacities are based on indoor coil EAT of 80/67°F (DB/WB), outdoor of 95°F (DB)
- Nominal heating capacities are based on indoor coil EAT of 70°F (DB), outdoor of 43°F (WB)
- See outdoor unit schedule for outdoor ambient conditions, connected capacity, and other factors associated with corrected capacities
- See schematic piping/control diagram for indication of required indoor unit remote controllers, system controllers, and integration devices.
- Full demand corrected capacity includes de-rate associated with indoor vs. outdoor connected capacity indicated on outdoor unit schedule for associated system.Partial corrected capacity assumes sufficient diversity exists such that the connected capacity de-rate does not apply. It is the designer's responsibility to ensure "Diamond System Builder" is set in the appropriate output capacity setting (full demand/partial demand) prior to generating this schedule.
- It is recommended to always base heating corrected capacity on full demand.
- Provide extra set of washable filters.
- Unit shall be provided with Bi-Polar Ionization (Plasma Air model 600). Contractor shall interlock ionization module operation with blower air handling unit.
- Unit shall be provided with Bi-Polar Ionization (Plasma Air model 7000). Contractor shall interlock ionization module operation with blower air handling unit.
- Air handling unit shall be internally fused and wired for single point connection.
- Provide simple mitsubishi MA contoller with backlit display for all indoor units.
- Mini-split system shall be visible on the VRF Central Controller.
- Coordinate with electrical contractor to install wiring and conduit from outdoor unit to indoor unit.
- Provide factory condensate pump for all indoor units.
- Provide AE200 master controller where shown on plans.

VRF OUTDOOR UNIT SCHEDULE																		
System Tag	M-NET Address	Model Number	Modules	Nominal Cooling Capacity (BTU/h)	Nominal Heating Capacity (BTU/h)	Nom System Connected Capacity (% of NOM)	Design Cooling Outdoor Temp DB (°F)	Design Heating Outdoor Temp WB (°F)	Refrig Pipe Dim High/Low Pressure (inch) (See Note 4)	Corrected Cooling Total Capacity (BTU/h)	Corrected Heating Capacity (BTU/h)	Sound Pressure (dBA)	Inverter Driven Compressor Type / Quantity	Electrical-Per Module				Notes / Options
														208/230 or [460V]				
														Voltage / Phase	MCA 208/230 or [460V]	RFS	MOCP	
CU-1	51, 52	PURY-EP384YSNU-A1	EP192, EP192	384,000	430,000	91.1 %	95.0	25.0	1-1/8 / 1-5/8	343,702.8	282,736.1	86.5/89.0	SCROLL/2	460V / 3-phase 3-wire	38, 38	40, 40	60, 60	1,2,3,4,5,6,7,8,9,12
CU-2	73	PURY-EP168YNU-A1	EP168	168,000	188,000	116.7 %	95.0	25.0	7/8 / 1-1/8	155,239.3	133,012.1	81.5/85.5	SCROLL/1	460V / 3-phase 3-wire	35	40	50	1,2,3,4,5,6,7,8,9,12
CU-DOAS-1	94	PURY-EP120YNU-A1	EP120	120,000	135,000	100.0 %	95.0	25.0	3/4 / 1-1/8	123,470.9	111,514.8	80.5/80.5	SCROLL/1	460V / 3-phase 3-wire	26	30	40	1,2,3,4,5,6,7,8,9,12
CU-DOAS-2	99	PURY-EP120YNU-A1	EP120	120,000	135,000	100.0 %	95.0	25.0	3/4 / 1-1/8	119,355.0	109,248.0	80.5/80.5	SCROLL/1	460V / 3-phase 3-wire	26	30	40	1,2,3,4,5,6,7,8,9,12
MSCU-1	46	PUZ-AH30NL	N/A	28,800	32,600	100.0 %	95.0	25.0	3/8 / 5/8	27,781.0	20,953.6	49/52	N/A	208/230V / 1-phase	22	25	37	1,3,5,10,11
MSCU-G1	47	PUZ-AH30NL	N/A	28,800	32,600	100.0 %	95.0	25.0	3/8 / 5/8	27,781.0	20,953.6	49/52	N/A	208/230V / 1-phase	22	25	37	1,3,5,10,11
MSCU-G2	48	PUZ-AK12NL	N/A	12,000	20,000	100.0 %	95.0	25.0	1/4 / 1/2	10,975.9	12,484.3	44/46	N/A	208/230V / 1-phase	16	20	27	1,3,5,10,11

Notes & Options:

- Nominal cooling capacities are based on indoor coil EAT of 80/67°F (DB/WB), outdoor of 95°F (DB)
- Nominal heating capacities are based on indoor coil EAT of 70°F (DB), outdoor of 43°F (WB)
- Efficiency values for EER, IEER, COP are based on AHRI 1230 test method for mixture of ducted & non-ducted indoor units.
- For systems with multiple modules, refrigerant pipe dimensions indicate total system combined piping downstream of module twinning.
- Added field charge listed is in addition to factory charge, this must be updated based upon final as-built piping layout.
- Factory representatives shall review the project prior to and throughout the installation of CITY MULTI equipment.
- Factory representatives shall startup and commission CITY MULTI equipment upon completion of equipment installations.
- Factory representatives shall provide end-user training on the CITY MULTI equipment upon completion of the installation of equipment.
- Provide an ICM450A programmable three phase voltage monitor with 25 fault memory.
- Unit shall be provided with low ambient controls.
- Mini-split system shall be visible on the VRF Central Controller.
- Provide stands and drain pans as detailed.

DUCTWORK LEGEND	
	RECTANGULAR LOW PRESSURE DUCTWORK
	2" DOUBLE WALL INSULATED SPIRAL PIPE WITH PERFORATED LINER AND PAINT GRIP FINISH

VRF BRANCH CIRCUIT CONTROLLER									
Tag Reference	System Tag	M-Net Address	Model Number	Type (double / Main / Sub)	Number of Ports	Connected Capacity to BC	Voltage / Phase	MCA 208/230	Notes / Options
BCC-1	CU-1	53	CMB-P1016NU-KA2	Main	16	350,000.0	208/230V/1-phase	1.57/1.82	1
BCC-1-SUB	CU-1	66	CMB-P108NU-KB2	Sub	8	35,000.0	208/230V/1-phase	0.74/0.87	1, 2
BCC-2	CU-2	74	CMB-P1016NU-JA2	Main	16	196,000.0	208/230V/1-phase	1.57/1.82	1
BCC-2-SUB	CU-2	89	CMB-P104NU-KB2	Sub	4	31,000.0	208/230V/1-phase	0.38/0.44	1, 2
BCC-DOAS-1	CU-DOAS-1	95	CMB-P106NU-J2	Single	6	112,000.0	208/230V/1-phase	0.55/0.65	1
BCC-DOAS-2	CU-DOAS-2	100	CMB-P106NU-J2	Single	6	112,000.0	208/230V/1-phase	0.55/0.65	1

Notes & Options:

- Include Diamondback Ball Valves BV-Series, 700PSIG working pressure, full port, 410A rated.
- For sub BC controller CMB-P-NU-GB1 or -GB, the total connectable indoor unit capacity can be 126,000 BTUs or less. If two sub BC controllers are used, the total indoor unit capacity connected to BOTH sub BC controllers also cannot exceed 126,000 BTUs. For sub BC controller CMB-P1016NU-HB1 the total connectable indoor unit capacity can be 126,000 BTUs or less. However, if two sub controllers are used, and one of them is CMB-1016NU-HB1, the total indoor unit capacity connected to BOTH sub controllers must NOT exceed 168,000 BTUs.

VRF INDOOR UNIT SCHEDULE																										
Tag Reference	Room Name	System Tag	M-NET Address	Model	Type	Nominal Cooling Capacity (BTU/h)	Nominal Heating Capacity (BTU/h)	Cooling Design Entering Temp DB/WB (°F) / [Water in temp]	Heating Design Entering Temp DB/WB (°F) / [Water in temp]	Corrected Capacity				Estimated Cooling Coil LAT (°F) / [LWT]	Estimated Heating Coil LAT (°F) / [LWT]	Refrig Pipe Dim Liquid/Suction (inch)	Fan Speed Setting	Peak Fan Airflow (cfm) / [Design gpm G/US/min]	Max Fan ESP Setting 208V/230V (IN WG)	Sound Pressure Per Fan Speed	Voltage / Phase	Power Cooling 208V/230V (kW)	Power Heating 208V/230V (kW)	Electrical MCA/MFS	Notes / Options	
										Cooling Diversity Full/Partial (See Note 5, 6)	Cooling Total Capacity (BTU/h)	Cooling Sensible Capacity (BTU/h)	Heating Diversity Full/Partial (See Note 5, 6)													Heating Capacity (BTU/h)
AC-2-1	126 TOOL ROOM	CU-2	23	PLFY-P08NFMU-ER1.TH	Ceiling-Cassette (Four-Way)	8,000	9,000	80.0/67.0	70	FULL DEMAND	6,336.3	5,582.8	FULL DEMAND	5,438.9	63.3	86.0	1/4 / 1/2	HIGH	315	N/A	26-30-33	208/230V/1-phase	0.02	0.02	0.28/0.28/15	1,2,3,4,5,6,7,8,11,14
AC-2-2	127 TOOL ROOM	CU-2	24	PLFY-P05NFMU-ER1.TH	Ceiling-Cassette (Four-Way)	5,000	5,600	80.0/67.0	70	FULL DEMAND	3,960.2	3,960.2	FULL DEMAND	3,384.2	66.6	81.2	1/4 / 1/2	HIGH	280	N/A	26-28-30	208/230V/1-phase	0.02	0.02	0.24/0.24/15	1,2,3,4,5,6,7,8,11,14
AC-2-3	128 PAINT EQUIPMENT	CU-2	25	PLFY-P05NFMU-ER1.TH	Ceiling-Cassette (Four-Way)	5,000	5,600	80.0/67.0	70	FULL DEMAND	3,960.2	3,960.2	FULL DEMAND	3,384.2	66.6	81.2	1/4 / 1/2	HIGH	280	N/A	26-28-30	208/230V/1-phase	0.02	0.02	0.24/0.24/15	1,2,3,4,5,6,7,8,11,14
AC-2-4	129 WELDING	CU-2	26	PLFY-P05NFMU-ER1.TH	Ceiling-Cassette (Four-Way)	5,000	5,600	80.0/67.0	70	FULL DEMAND	3,960.2	3,960.2	FULL DEMAND	3,384.2	66.6	81.2	1/4 / 1/2	HIGH	280	N/A	26-28-30	208/230V/1-phase	0.02	0.02	0.24/0.24/15	1,2,3,4,5,6,7,8,11,14
AC-2-5	130 OFFICE	CU-2	27	PLFY-P05NFMU-ER1.TH	Ceiling-Cassette (Four-Way)	5,000	5,600	80.0/67.0	70	FULL DEMAND	3,960.2	3,960.2	FULL DEMAND	3,384.2	66.6	81.2	1/4 / 1/2	HIGH	280	N/A	26-28-30	208/230V/1-phase	0.02	0.02	0.24/0.24/15	1,2,3,4,5,6,7,8,11,14
AC-2-6	131 OFFICE	CU-2	28	PLFY-P05NFMU-ER1.TH	Ceiling-Cassette (Four-Way)	5,000	5,600	80.0/67.0	70	FULL DEMAND	3,960.2	3,960.2	FULL DEMAND	3,384.2	66.6	81.2	1/4 / 1/2	HIGH	280	N/A	26-28-30	208/230V/1-phase	0.02	0.02	0.24/0.24/15	1,2,3,4,5,6,7,8,11,14
AC-2-7	132 GROUP OFFICE	CU-2	29	PLFY-P08NFMU-ER1.TH	Ceiling-Cassette (Four-Way)	8,000	9,000	80.0/67.0	70	FULL DEMAND	6,336.3	5,582.8	FULL DEMAND	5,438.9	63.3	86.0	1/4 / 1/2	HIGH	315	N/A	26-30-33	208/230V/1-phase	0.02	0.02	0.28/0.28/15	1,2,3,4,5,6,7,8,11,14
AC-2-8	133 CARPENTRY SHOP	CU-2	30	PEFY-P48NMAU-E	Ceiling-Concealed (Ducted)	48,000	54,000	80.0/67.0	70	FULL DEMAND	38,017.8	30,339.3	FULL DEMAND	32,633.6	59.7	91.4	3/8 / 5/8	HIGH	1412	0.6/0.6	35-40-44	208/230V/1-phase	0.34	0.32	3.41/3.41/15	1,2,3,4,5,6,9,11,14
AC-2-9	134 CARPENTRY EQUIPMENT	CU-2	31	PLFY-P05NFMU-ER1.TH	Ceiling-Cassette (Four-Way)	5,000	5,600	80.0/67.0	70	FULL DEMAND	3,960.2	3,960.2	FULL DEMAND	3,384.2	66.6	81.2	1/4 / 1/2	HIGH	280	N/A	26-28-30	208/230V/1-phase	0.02	0.02	0.24/0.24/15	1,2,3,4,5,6,7,8,11,14
AC-2-10	136 ELEC EQUIPMENT	CU-2	32	PLFY-P05NFMU-ER1.TH	Ceiling-Cassette (Four-Way)	5,000	5,600	80.0/67.0	70	FULL DEMAND	3,960.2	3,960.2	FULL DEMAND	3,384.2	66.6	81.2	1/4 / 1/2	HIGH	280	N/A	26-28-30	208/230V/1-phase	0.02	0.02	0.24/0.24/15	1,2,3,4,5,6,7,8,11,14
AC-2-11	137 MECH EQUIPMENT	CU-2	33	PLFY-P18NFMU-ER1.TH	Ceiling-Cassette (Four-Way)	18,000	20,000	80.0/67.0	70	FULL DEMAND	14,256.7	10,340.1	FULL DEMAND	12,086.5	58.8	94.4	1/4 / 1/2	HIGH	460	N/A	33-39-43	208/230V/1-phase	0.04	0.04	0.5/0.5/15	1,2,3,4,5,6,7,8,11,14
AC-2-12	138 SOUTH CORRIDOR	CU-2	34	PMFY-P15NBMU-ER6	Ceiling Cassette (One-Way)	15,000	17,000	80.0/67.0	70	FULL DEMAND	11,880.6	8,235.2	FULL DEMAND	10,273.5	59.4	95.2	1/4 / 1/2	HIGH	378	N/A	33-35-37-39	208-230V/1-phase	0.05	0.05	0.33/15	1,2,3,4,5,6,7,8,11,14
AC-2-13	140 GROUP OFFICE	CU-2	35	PLFY-P12NFMU-ER1.TH	Ceiling-Cassette (Four-Way)	12,000	13,500	80.0/67.0	70	FULL DEMAND	9,504.4	7,049.1	FULL DEMAND	8,158.4	60.1	92.6	1/4 / 1/2	HIGH	335	N/A	26-30-34	208/230V/1-phase	0.02	0.02	0.29/0.29/15	1,2,3,4,5,6,7,8,11,14
AC-2-14	141 CONFERENCE ROOM	CU-2	36	PLFY-P08NFMU-ER1.TH	Ceiling-Cassette (Four-Way)	8,000	9,000	80.0/67.0	70	FULL DEMAND	6,336.3	5,582.8	FULL DEMAND	5,438.9	63.3	86.0	1/4 / 1/2	HIGH	315	N/A	26-30-33	208/230V/1-phase	0.02	0.02	0.28/0.28/15	1,2,3,4,5,6,7,8,11,14
AC-2-15	142 GROUP OFFICE	CU-2	37	PLFY-P08NFMU-ER1.TH	Ceiling-Cassette (Four-Way)	8,000	9,000	80.0/67.0	70	FULL DEMAND	6,336.3	5,582.8	FULL DEMAND	5,438.9	63.3	86.0	1/4 / 1/2	HIGH	315	N/A	26-30-33	208/230V/1-phase	0.02	0.02	0.28/0.28/15	1,2,3,4,5,6,7,8,11,14
AC-2-16	143 SECURE STORAGE	CU-2	38	PLFY-P05NFMU-ER1.TH	Ceiling-Cassette (Four-Way)	5,000	5,600	80.0/67.0	70	FULL DEMAND	3,960.2	3,960.2	FULL DEMAND	3,384.2	66.6	81.2	1/4 / 1/2	HIGH	280	N/A	26-28-30	208/230V/1-phase	0.02	0.02	0.24/0.24/15	1,2,3,4,5,6,7,8,11,14
AC-2-17	145 OFFICE	CU-2	39	PLFY-P05NFMU-ER1.TH	Ceiling-Cassette (Four-Way)	5,000	5,600	80.0/67.0	70	FULL DEMAND	3,960.2	3,960.2	FULL DEMAND	3,384.2	66.6	81.2	1/4 / 1/2	HIGH	280	N/A	26-28-30	208/230V/1-phase	0.02	0.02	0.24/0.24/15	1,2,3,4,5,6,7,8,11,14
AC-2-18	146 OFFICE	CU-2	40	PLFY-P05NFMU-ER1.TH	Ceiling-Cassette (Four-Way)	5,000	5,600	80.0/67.0	70	FULL DEMAND	3,960.2	3,960.2	FULL DEMAND	3,384.2	66.6	81.2	1/4 / 1/2	HIGH	280	N/A	26-28-30	208/230V/1-phase	0.02	0.02	0.24/0.24/15	1,2,3,4,5,6,7,8,11,14
AC-2-19A	148 GROUP OFFICE	CU-2	41	PLFY-P08NFMU-ER1.TH	Ceiling-Cassette (Four-Way)	8,000	9,000	80.0/67.0	70	FULL DEMAND	6,336.3	5,582.8	FULL DEMAND	5,438.9	63.3	86.0	1/4 / 1/2	HIGH	315	N/A	26-30-33	208/230V/1-phase	0.02	0.02	0.28/0.28/15	1,2,3,4,5,6,7,8,11,14
AC-2-19B	148 GROUP OFFICE	CU-2	42	PLFY-P08NFMU-ER1.TH	Ceiling-Cassette (Four-Way)	8,000	9,000	80.0/67.0	70	FULL DEMAND	6,336.3	5,582.8	FULL DEMAND	5,438.9	63.3	86.0	1/4 / 1/2	HIGH	315	N/A	26-30-33	208/230V/1-phase	0.02	0.02	0.28/0.28/15	1,2,3,4,5,6,7,8,11,14
AC-2-20	150 OFFICE	CU-2	43	PLFY-P05NFMU-ER1.TH	Ceiling-Cassette (Four-Way)	5,000	5,600	80.0/67.0	70	FULL DEMAND	3,960.2	3,960.2	FULL DEMAND	3,384.2	66.6	81.2	1/4 / 1/2	HIGH	280	N/A	26-28-30	208/230V/1-phase	0.02	0.02	0.24/0.24/15	1,2,3,4,5,6,7,8,11,14
DOAS-1	CREW BUILDING	CU-DOAS-1	44	PEFY-AF1200CFMR-E	DOAS ceiling (concealed)	112,000	61,400	95.0	27.0/25.0	FULL DEMAND	116,044.1	48,512.1	FULL DEMAND	56,822.9	55.8	67.3	3/8 / 7/8	HIGH	1200	0.8/0.96	36-38-41/39-41-43	208/230V/1-phase	0.66	0.66	3.99/4.31/15	1,2,3,4,5,6,9,14
DOAS-2	CREW BUILDING	CU-DOAS-2	49	PEFY-AF1200CFMR-E	DOAS ceiling (concealed)	112,000	61,400	95.0	27.0/25.0	FULL DEMAND	116,044.1	48,512.1	FULL DEMAND	56,822.9	55.8	67.3	3/8 / 7/8	HIGH	1200	0.8/0.96	36-38-41/39-41-43	208/230V/1-phase	0.66	0.66	3.99/4.31/15	1,2,3,4,5,6,9,14
MSAU-1	107 ELEC	MSCU-1	46	PKA-AK30NL	Wall -Mounted	30,000	32,000	80.0/67.0	70	FULL DEMAND	27,781.0	18,077.9	FULL DEMAND	20,567.9	58.0	94.6	3/8 / 5/8	HIGH	775	N/A	39-42-45	208/230V/1-phase	N/A	N/A	Powered by Outdoor	1,2,3,10,11,12,13,14
MSAU-G1	211 DATA	MSCU-G1	47	PKA-AK30NL	Wall -Mounted	30,000	32,000	80.0/67.0	70	FULL DEMAND	27,781.0	18,077.9	FULL DEMAND	20,567.9	58.0	94.6	3/8 / 5/8	HIGH	775	N/A	39-42-45	208/230V/1-phase	N/A	N/A	Powered by Outdoor	1,2,3,10,11,12,13,14
MSAU-G2	222 ELEC	MSCU-G2	48	PKA-AL12NL	Wall -Mounted	12,200	18,000	80.0/67.0	70	FULL DEMAND	10,975.9	7,926.2	FULL DEMAND	11,235.9	60.6	97.1	1/4 / 1/2	HIGH	385	N/A	34-39-44-48	208/230V/1-phase	N/A	N/A	Powered by Outdoor	1,2,3,10,11,12,13,14

Notes & Options:

- Nominal cooling capacities are based on indoor coil EAT of 80/67°F (DB/WB), outdoor of 95°F (DB)
- Nominal heating capacities are based on indoor coil EAT of 70°F (DB), outdoor of 43°F (WB)
- See outdoor unit schedule for outdoor ambient conditions, connected capacity, and other factors associated with corrected capacities
- See schematic piping/control diagram for indication of required indoor unit remote controllers, system controllers, and integration devices.
- Full demand corrected capacity includes de-rate associated with indoor vs. outdoor connected capacity indicated on outdoor unit schedule for associated system.Partial corrected capacity assumes sufficient diversity exists such that the connected capacity de-rate does not apply. It is the designer's responsibility to ensure "Diamond System Builder" is set in the appropriate output capacity setting (full demand/partial demand) prior to generating this schedule.
- It is recommended to always base heating corrected capacity on full demand.
- Provide extra set of washable filters.
- Unit shall be provided with Bi-Polar Ionization (Plasma Air model 600). Contractor shall interlock ionization module operation with blower air handling unit.
- Unit shall be provided with Bi-Polar Ionization (Plasma Air model 7000). Contractor shall interlock ionization module operation with blower air handling unit.
- Air handling unit shall be internally fused and wired for single point connection.
- Provide simple mitsubishi MA controller with backlit display for all indoor units.
- Mini-split system shall be visible on the VRF Central Controller.
- Coordinate with electrical contractor to install wiring and conduit from outdoor unit to indoor unit.
- Provide factory condensate pump for all indoor units.
- Provide AE200 master controller where shown on plans.

GAS FIRED UNIT HEATER SCHEDULE

NO.	SERVICE	HEATING CAPACITY BTUH		TYPE	MIN CFM	FAN HP	DRIVE	ELECTRIC SERVICE	REMARKS	NOTES
		INPUT	OUTPUT							
GUH-A	217 VEHICLE MAINTENANCE	200,000	166,000	NATURAL	2,562	0.25	BELT	120/1/60	REZNOR UDXC200 OR APPROVED EQUIVALENT	1
GUH-B	219 FIRE MAINTENANCE SHOP	120,000	99,600	NATURAL	1,537	0.25	BELT	120/1/60	REZNOR UDXC125 OR APPROVED EQUIVALENT	1

NOTES:

- GAS FIRED UNIT HEATER HANGER KIT, SEPARATED COMBUSTION CHAMBERS, TWO STAGE COMBINATION GAS VALVE, FLEXIBLE GAS CONNECTOR, VERTICAL VENT TERMINAL AND CONCENTRIC ADAPTER, STAINLESS STEEL VENT CAP, 24 VOLT CONTROLS, AND TWO STAGE THERMOSTAT. MOUNT THERMOSTAT @ 54" A.F.F.

GRILLE SCHEDULE

LABEL	SIZE	SERVICE	LOCATION	FINISH	REMARKS		NOTES
A	12"x12"/6"	SUPPLY	CEILING	W.B.E.	TITUS TMS-AA 3-CONE W/ 6" NECK AND TRIM FRAME, OR APPROVED EQUIVALENT		1, 3, 4, 5
B	24"x24"/8"	SUPPLY	CEILING	W.B.E.	TITUS TMS-AA 3-CONE W/ 8" NECK OR APPROVED EQUIVALENT		1, 3, 4, 5
C	24"x24"/10"	SUPPLY	CEILING	W.B.E.	TITUS TMS-AA 3-CONE W/ 10" NECK OR APPROVED EQUIVALENT		1, 3, 4, 5
D	24"x24"/12"	SUPPLY	CEILING	W.B.E.	TITUS TMS-AA 3-CONE W/ 12" NECK OR APPROVED EQUIVALENT		1, 3, 4, 5
K	18"x10"	SUPPLY	SIDEWALL	PRIMED	TITUS DL DRUM LOUVER OR APPROVED EQUAL		4, 5, 6
U	24"x24"	FILTER RETURN	SIDEWALL	PRIMED	TITUS MODEL 350FLF2 FILTER GRILLE OR APPROVED EQUIVALENT (GRILLE SHALL ACCOMMODATE 2" THICK PLEATED FILTER)		2, 4, 5, 6
V	36"x20"	FILTER RETURN	SIDEWALL	PRIMED	TITUS MODEL 350FLF2 FILTER GRILLE OR APPROVED EQUIVALENT (GRILLE SHALL ACCOMMODATE 2" THICK PLEATED FILTER)		2, 4, 5, 6
W	12"x12"	RETURN	CEILING	W.B.E.	TITUS MODEL 50F, EGGRATE GRILLE W/ REMOVABLE CORE OR APPROVED EQUAL		2, 4, 5
Y	24"x12"	RETURN	CEILING	W.B.E.	TITUS MODEL 50F, EGGRATE GRILLE W/ REMOVABLE CORE OR APPROVED EQUAL		2, 4, 5
Z	24"x24"	RETURN	CEILING	W.B.E.	TITUS MODEL 50F, EGGRATE GRILLE W/ REMOVABLE CORE OR APPROVED EQUAL		2, 4, 5

NOTES:

- TOPS OF ALL DIFFUSERS SHALL BE INSULATED. REFER TO DETAIL.
- SHEET METAL CONTRACTOR TO PROVIDE SHEET METAL CEILING BOX FOR ATTACHMENT OF DUCTWORK TO RA/EA AIR REGISTER.
- ALL SUPPLY DIFFUSERS SHALL BE 4-WAY PATTERN UNLESS SHOWN OTHERWISE ON PLANS, REFER TO DETAIL.
- DIFFUSERS/GRILLES SHALL BE PROVIDED WITH ALL ACCESSORIES/OPTIONS REQUIRED FOR COMPLETE INSTALLATION IN EACH CEILING/WALL TYPE.
- COORDINATE EXACT FRAME TYPE WITH ARCHITECTURAL REFLECTED CEILING PLAN PRIOR TO ROUGH-IN.
- GRILLES TO BE PAINTED IN FIELD BY PAINTING CONTRACTOR WITH COLOR AS DIRECTED BY ARCHITECT.

HIGH VOLUME/LOW VELOCITY FAN SCHEDULE

NO.	SERVICE	FAN DIAMETER	FAN RPM	ELECTRIC SERVICE	HP	REMARKS	NOTES
HVLS-A	VEHICLE MAINTENANCE BUILDING	24'-0"	62	480/3/60	2.5	BIG ASS FAN POWERFLO X4 OR APPROVED EQUIVALENT	1, 2, 3

NOTES:

- FAN CONTROLS SHALL BE LOCATED WHERE SHOWN ON PLANS. STANDARD VFD CONTROLLERS WITH TOUCH SCREEN AND NEMA 1 ENCLOSURE WITH FUSED DISCONNECT SHALL BE PROVIDED FOR EACH FAN.
- COORDINATE MOUNTING HEIGHT AND LOCATION WITH STRUCTURE AND ADJACENT LIGHTING PRIOR TO INSTALLATION. FAN BLADE TIPS SHALL BE MINIMUM 36" BELOW STRUCTURAL BEAMS. PROVIDE EXTENSIONS AS REQUIRED.
- PROVIDE ALL MOUNTING BRACKETS, BEAM CLAMP, SWIVEL JOINT, 7" STANDARD DROP PLUS A 24" EXTENSION, AND GUY WIRES AS REQUIRED TO INSTALL FAN. COORDINATE WITH GENERAL CONTRACTOR AND ARCHITECT PRIOR TO INSTALLATION.

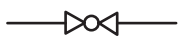
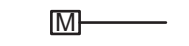
APPROVED EQUALS: THE FOLLOWING MANUFACTURERS OF HVAC MATERIALS OF COMPARABLE QUALITY TO THOSE ITEMS SPECIFIED ARE CONSIDERED APPROVED EQUALS SUBJECT TO COMPLIANCE WITH REQUIREMENTS OF THE INDIVIDUAL SPECIFICATIONS.

AIR HANDLING UNIT SCHEDULE (DIRECT EXPANSION)																									
FAN								COOLING								HEATING									
NO.	SERVICE	TONNAGE	MIN. C.F.M.	C.F.M. O.A.	EXT. S.P.	FAN FLA	ELECTRIC SERVICE	MIN. B.T.U.H. OUTPUT	EVAP. TEMP. (F)	AMB. TEMP. (F)	ENT (F)		LAT (F)		MIN. B.T.U.H. OUTPUT	K.W. ELEC. STRIP		NO. STAGES	ENT. AIR (F)	LEAV. AIR (F)	ELECTRIC SERVICE	REMARKS	NOTES		
											DB	WB	DB	WB		MIN.	MAX								
AHU-G1	207 BREAK ROOM	5	1950	290	.5	7.0	208/1/60	60,000	40.0	95.0	77.2	65.0	55.0	54.0	49,133	14.4	--	2	63.3	86.6	208/1/60	TRANE MODEL 5TAM5D07AC51 OR APPROVED EQUAL	1, 2		
AHU-G2	OFFICES	2	800	120	.5	3.9	208/1/60	24,000	40.0	95.0	77.2	65.0	55.0	54.0	24,566	7.2	--	1	63.3	91.7	208/1/60	TRANE MODEL 5TAM5B02AC21 OR APPROVED EQUAL	1, 2		
AHU-G3	201 TOOLS & PARTS	2.5	1000	150	.5	3.8	208/1/60	30,000	40.0	95.0	76.1	63.9	55.0	54.0	24,566	7.2	--	1	65.5	88.2	208/1/60	TRANE MODEL 5TAM5C03AC21 OR APPROVED EQUAL	1, 2		
AHU-G4	223 BREAK ROOM	2.5	1000	150	.5	3.8	208/1/60	30,000	40.0	95.0	77.2	65.0	55.0	54.0	36,849	10.8	--	2	63.3	97.4	208/1/60	TRANE MODEL 5TAM5C03AC21 OR APPROVED EQUAL	1, 2		
AHU-G5	228 WAITING	2.5	1000	150	.5	3.8	208/1/60	30,000	40.0	95.0	77.2	65.0	55.0	54.0	36,849	10.8	--	2	63.3	97.4	208/1/60	TRANE MODEL 5TAM5C03AC21 OR APPROVED EQUAL	1, 2		

- NOTES:
1. ALL AIR HANDLING UNITS SHALL BE INTERNALLY FUSED FOR SINGLE POINT CONNECTION. PROVIDE INTEGRAL DISCONNECT/OVERCURRENT PROTECTION.
 2. UNIT SHALL BE PROVIDED WITH TOUCHSCREEN 7 DAY PROGRAMMABLE THERMOSTAT.

AIR COOLED CONDENSING UNIT SCHEDULE											
UNIT No	SERVICE	BTUH COOLING OUTPUT	EVAP TEMP	AMBIENT TEMP	ELECTRIC SERVICE	UNIT MCA	UNIT MOCP	MIN S.E.E.R.	REFRIGERANT TYPE	REMARKS	NOTES
CU-G1	AHU-G1	60,000	40.0	95.0	460/3/60	10.2	15.0	14.3	R-454B	TRANE MODEL 5TTRA4060A4 OR APPROVED EQUAL	1, 2
CU-G2	AHU-G2	24,000	40.0	95.0	208/1/60	14.0	25.0	25.0	R-454B	TRANE MODEL 5TTR4024A1 OR APPROVED EQUAL	1
CU-G3	AHU-G3	30,000	40.0	95.0	208/1/60	17.0	25.0	25.0	R-454B	TRANE MODEL 5TTR4030A1 OR APPROVED EQUAL	1
CU-G4	AHU-G4	30,000	40.0	95.0	208/1/60	17.0	25.0	25.0	R-454B	TRANE MODEL 5TTR4030A1 OR APPROVED EQUAL	1
CU-G5	AHU-G5	30,000	40.0	95.0	208/1/60	17.0	25.0	25.0	R-454B	TRANE MODEL 5TTR4030A1 OR APPROVED EQUAL	1

- NOTES:
1. PROVIDE ALL REFRIGERANT ACCESSORIES REQUIRED FOR PROPER OPERATION AS PER SPECS. REFRIGERANT SHALL BE R-454B.
 2. PROVIDE A IMC450A PROGRAMMABLE THREE PHASE VOLTAGE MONITOR WITH 25 FAULT MEMORY ON ALL EQUIPMENT REQUIRING THREE PHASE ELECTRICAL.

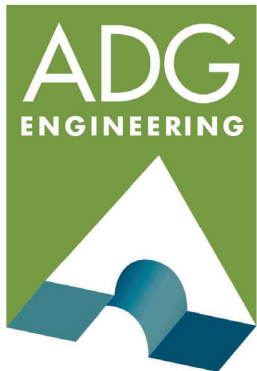
MECHANICAL SYMBOL LEGEND					
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
①	THERMOSTAT SENSOR	E/A	EXHAUST AIR	S.S.S.C.	SOLID STATE SPEED CONTROLLER
A.F.F.	ABOVE FINISHED FLOOR	HVAC	HEATING, VENTING AIR CONDITIONING	F.L.A.	FULL LOAD AMPS
A.F.G.	ABOVE FINISHED GRADE	TYP.	TYPICAL	MCA	MINIMUM CIRCUIT AMPACITY
CFM	CUBIC FEET PER MINUTE		BALL VALVE	HP	HORSEPOWER
EF	EXHAUST FAN	AC-1	AIR CONDITIONING UNIT 1	S.P.	STATIC PRESSURE
S/A	SUPPLY AIR	A100	DIFFUSER/GRILLE TYPE AND CFM	S.E.E.R.	SEASONAL ENERGY EFFICIENCY RATIO
R/A	RETURN AIR		MANUAL VOLUME BALANCING DAMPER	B.T.U.H.	BRITISH THERMAL UNITS PER HOUR
O/A	OUTSIDE AIR		MANUAL VOLUME BALANCING DAMPER	RPM	REVOLUTIONS PER MINUTE
CU	CONDENSING UNIT		MOTORIZED VOLUME DAMPER	⊕	HUMIDITY SENSOR
	INSULATED CONDENSATE DRAIN LINE	①	THERMOSTAT	BCC	BRANCH CONTROLLER
FD	FIRE DAMPER	AP	ACCESS PANEL		

FAN SCHEDULE												
NO.	SERVICE	MIN. CFM	EXTERNAL S.P.	RPM	FAN HP	SONES	TYPE	DRIVE	ELECTRICAL SERVICE	CONTROL	REMARKS	NOTES
EF-B1	106 RR	50	0.25	1,000	0.125	1.0	CENT.	DIRECT	120/1/60	OCC SENS W/ 5 MIN. TIMER	COOK MODEL GCVF-100 OR APPROVED EQUIVALENT	1, 2, 3, 4
EF-B2	117 MENS LOCKER ROOM	180	0.50	1,675	0.013	5.0	CENT.	DIRECT	120/1/60	OCC SENS W/ 5 MIN. TIMER	COOK MODEL GNVF-180 OR APPROVED EQUIVALENT	1, 2, 3, 4
EF-B3	118 MENS RESTROOM	350	0.50	1,723	0.167	6.0	CENT.	DIRECT	120/1/60	OCC SENS W/ 5 MIN. TIMER	COOK MODEL GNVF-500 OR APPROVED EQUIVALENT	1, 2, 3, 4
EF-B4	120 JANITOR	50	0.50	1,800	0.013	2.0	CENT.	DIRECT	120/1/60	OCC SENS W/ 5 MIN. TIMER	COOK MODEL GCVF-340 OR APPROVED EQUIVALENT	1, 2, 3, 4
EF-B5	124 WOMENS LOCKER ROOM	125	0.50	1,675	0.013	4.0	CENT.	DIRECT	120/1/60	OCC SENS W/ 5 MIN. TIMER	COOK MODEL GNVF-180 OR APPROVED EQUIVALENT	1, 2, 3, 4
EF-B6	125 WOMENS RESTROOM	250	0.50	1,675	0.013	7.0	CENT.	DIRECT	120/1/60	OCC SENS W/ 5 MIN. TIMER	COOK MODEL GNVF-180 OR APPROVED EQUIVALENT	1, 2, 3, 4
EF-B7	135 RR	50	0.50	1,800	0.013	2.0	CENT.	DIRECT	120/1/60	OCC SENS W/ 5 MIN. TIMER	COOK MODEL GCVF-340 OR APPROVED EQUIVALENT	1, 2, 3, 4
EF-B8	105 ELEC	75	0.50	1,000	0.125	2.0	INLINE	DIRECT	120/1/60	A2L REFRIGERANT MONITOR	COOK MODEL GNVF-100 OR APPROVED EQUIVALENT	2, 3
EF-B9	128 PAINT EQUIPMENT	160	0.50	1,725	0.25	6.1	WALL	BELT	120/1/60	SWITCH ON WALL W/ 10 MIN. TIMER	COOK MODEL 135W OR91 OR APPROVED EQUIVALENT	2, 3, 6
EF-B10	129 METAL WORKS	135	0.50	1,725	0.125	9.4	WALL	DIRECT	120/1/60	SWITCH ON WALL	COOK MODEL 101 ACWD OR60 (EC) OR APPROVED EQUIVALENT	2, 3
EF-C1	301 STORAGE 1	50	0.50	1,725	0.04	8.6	WALL	DIRECT	120/1/60	SWITCH ON WALL	COOK MODEL 101 ACWD OR60 (EC) OR APPROVED EQUIVALENT	2, 3
EF-C2	309 GENERATORS	50	0.50	1,725	0.04	8.6	WALL	DIRECT	120/1/60	SWITCH ON WALL	COOK MODEL 101 ACWD OR60 (EC) OR APPROVED EQUIVALENT	2, 3
EF-C3	305 STORAGE 5	75	0.50	1,725	0.125	8.7	WALL	DIRECT	120/1/60	SWITCH ON WALL	COOK MODEL 101 ACWD OR60 (EC) OR APPROVED EQUIVALENT	2, 3
EF-C4	302 STORAGE 2	75	0.50	1,725	0.125	6.6	ROOF	DIRECT	120/1/60	SWITCH ON WALL	COOK MODEL 101 ACED OR60 (EC) OR APPROVED EQUIVALENT	2, 3
EF-C5	306 STORAGE 6	75	0.50	1,725	0.125	6.6	ROOF	DIRECT	120/1/60	SWITCH ON WALL	COOK MODEL 101 ACED OR60 (EC) OR APPROVED EQUIVALENT	2, 3
EF-C6	303 STORAGE 3	75	0.50	1,725	0.125	6.6	ROOF	DIRECT	120/1/60	SWITCH ON WALL	COOK MODEL 101 ACED OR60 (EC) OR APPROVED EQUIVALENT	2, 3
EF-C7	307 STORAGE 7	75	0.50	1,725	0.125	6.6	ROOF	DIRECT	120/1/60	SWITCH ON WALL	COOK MODEL 101 ACED OR60 (EC) OR APPROVED EQUIVALENT	2, 3
EF-C8	304 STORAGE 4	75	0.50	1,725	0.125	8.7	WALL	DIRECT	120/1/60	SWITCH ON WALL	COOK MODEL 101 ACWD OR60 (EC) OR APPROVED EQUIVALENT	2, 3
EF-C9	308 STORAGE 8	75	0.50	1,725	0.125	8.7	WALL	DIRECT	120/1/60	SWITCH ON WALL	COOK MODEL 101 ACWD OR60 (EC) OR APPROVED EQUIVALENT	2, 3
EF-D1	601 WASH ROOM	320	0.50	2,800	0.333	15	ROOF	DIRECT	120/1/60	SWITCH ON WALL/ THERMOSTAT	COOK MODEL 101 ACED OR70 (EC) OR APPROVED EQUIVALENT	2, 3

- NOTES:
- 1) PROVIDE CEILING MOUNTED OCCUPANCY CONTROL SENSOR WITH 5 MINUTE TIMER INDEPENDENT OF LIGHTSWITCH. (PROVIDED BY MECHANICAL CONTRACTOR, INSTALLED BY ELECTRICAL CONTRACTOR
 - 2) PROVIDE ECM CONTROLLER AND BALANCE TO CFM SCHEDULED.
 - 3) PROVIDE BACKDRAFT DAMPERS FOR ALL EXHAUST FANS. FOR WALL MOUNTED FANS, PROVIDE INLET GRILLES.
 - 4) FAN SHALL HAVE WHITE BAKED ENAMEL PLASTIC GRILLE AND MOUNTING BRACKETS
 - 5) PROVIDE HAND/OFF/AUTO. STARTER WITH SWITCH, PILOT LIGHT, AND CONTROL INTERFACE WITH OCCUPANCY SENSOR TO OVERRIDE STARTER.
 - 6) FAN SHALL BE EXPLOSION PROOF (CLASS 1 DIVISION 2) WITH MOTOR OUT OF THE AIR STREAM.

FAN SCHEDULE												
NO.	SERVICE	MIN. CFM	EXTERNAL S.P.	RPM	FAN HP	SONES	TYPE	DRIVE	ELECTRICAL SERVICE	CONTROL	REMARKS	NOTES
EF-G1	206 JANITOR	50	0.50	1,800	0.013	2.0	CENT.	DIRECT	120/1/60	OCC SENS W/ 5 MIN. TIMER	COOK MODEL GCVF-340 OR APPROVED EQUIVALENT	1, 2, 3, 4
EF-G2	208 WOMENS RESTROOM	200	0.50	1,675	0.013	6.0	CENT.	DIRECT	120/1/60	OCC SENS W/ 5 MIN. TIMER	COOK MODEL GNVF-180 OR APPROVED EQUIVALENT	1, 2, 3, 4
EF-G3	210 MENS RESTROOM	200	0.50	1,675	0.013	6.0	CENT.	DIRECT	120/1/60	OCC SENS W/ 5 MIN. TIMER	COOK MODEL GNVF-180 OR APPROVED EQUIVALENT	1, 2, 3, 4
EF-G4	217 VEHICLE MAINTENANCE (CAR EXHAUST EXTRACTION)	5,400	5.00	2,468	7.5	---	VENT SET	BELT	240/3/60	CONTROL BOX	GREENHECK USF-20 OR APPROVED EQUAL	6, 7
EF-G5	217 VEHICLE MAINTENANCE (CAR EXHAUST EXTRACTION)	5,400	5.00	2,468	7.5	---	VENT SET	BELT	240/3/60	CONTROL BOX	GREENHECK USF-20 OR APPROVED EQUAL	6, 7
EF-G6	217 VEHICLE MAINTENANCE (GENERAL EXHAUST)	16,400	0.25	860	2.059	27	WALL	DIRECT	480/3/60	HOA STARTER/ CO-NO2 SENSOR	COOK MODEL 42ABDC OR APPROVED EQUIVALENT	5, 8, 9
EF-G7	217 VEHICLE MAINTENANCE (GENERAL EXHAUST)	16,400	0.25	860	2.059	27	WALL	DIRECT	480/3/60	HOA STARTER/ CO-NO2 SENSOR	COOK MODEL 42ABDC OR APPROVED EQUIVALENT	5, 8, 9
EF-G8	219 FIRE MAINTENANCE (GENERAL EXHAUST)	12,500	0.25	860	1.231	26	WALL	DIRECT	480/3/60	HOA STARTER/ CO-NO2 SENSOR	COOK MODEL 42A8D OR APPROVED EQUIVALENT	5, 8, 9
EF-G9	219 FIRE MAINTENANCE (CAR EXHAUST EXTRACTION)	2,400	5.00	3,733	3	--	VENT SET	BELT	240/3/60	CONTROL BOX	GREENHECK USF-13 OR APPROVED EQUAL	6, 7
EF-G10	221 JANITOR	50	0.50	1,800	0.013	2.0	CENT.	DIRECT	120/1/60	OCC SENS W/ 5 MIN. TIMER	COOK MODEL GCVF-340 OR APPROVED EQUIVALENT	1, 2, 3, 4
EF-G11	225 MENS RESTROOM	50	0.50	1,800	0.013	2.0	CENT.	DIRECT	120/1/60	OCC SENS W/ 5 MIN. TIMER	COOK MODEL GCVF-340 OR APPROVED EQUIVALENT	1, 2, 3, 4
EF-G12	226 WOMENS RESTROOM	50	0.50	1,800	0.013	2.0	CENT.	DIRECT	120/1/60	OCC SENS W/ 5 MIN. TIMER	COOK MODEL GCVF-340 OR APPROVED EQUIVALENT	1, 2, 3, 4
EF-G13	211 DATA	75	0.50	1,725	0.125	8.7	WALL	DIRECT	120/1/60	A2L REFRIGERANT MONITOR	COOK MODEL 101 ACWD OR60 (EC) OR APPROVED EQUIVALENT	2, 3
EF-G14	222 ELEC	75	0.50	1,000	0.125	2.0	INLINE	DIRECT	120/1/60	A2L REFRIGERANT MONITOR	COOK MODEL GNVF-100 OR APPROVED EQUIVALENT	2, 3
EF-G15	216 TIRES	120	0.50	1,725	0.125	9.2	WALL	DIRECT	120/1/60	SWITCH ON WALL W/ 10 MIN. TIMER	COOK MODEL 101 ACWD OR60 (EC) OR APPROVED EQUIVALENT	2, 3

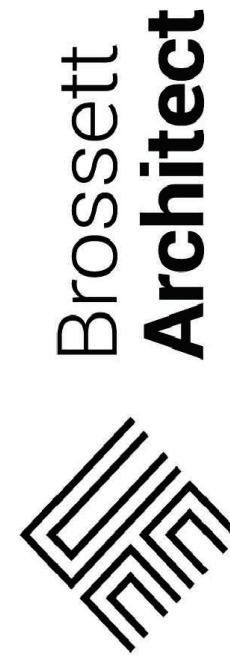
- NOTES:
- 1) PROVIDE CEILING MOUNTED OCCUPANCY CONTROL SENSOR WITH 5 MINUTE TIMER INDEPENDENT OF LIGHTSWITCH. (PROVIDED BY MECHANICAL CONTRACTOR, INSTALLED BY ELECTRICAL CONTRACTOR
 - 2) PROVIDE ECM CONTROLLER AND BALANCE TO CFM SCHEDULED.
 - 3) PROVIDE BACKDRAFT DAMPERS FOR ALL EXHAUST FANS. FOR WALL MOUNTED FANS, PROVIDE INLET GRILLES.
 - 4) FAN SHALL HAVE WHITE BAKED ENAMEL PLASTIC GRILLE AND MOUNTING BRACKETS
 - 5) INTERLOCK FAN WITH RESPECTIVE MOTORIZED DAMPER. FAN SHALL ONLY OPERATE AFTER END SWITCH ON DAMPER PROVES DAMPERS ARE FULLY OPEN.
 - 6) PROVIDE NEMA 12 CONTROL BOX COMBINATION STARTER/DISCONNECT WITH ON/OFF CONTROL SWITCH MOUNTED IN COVER FOR EACH FAN.
 - 7) PROVIDE TEFC MOTOR, AND WALL MOUNTING BRACKET.
 - 8) FAN SHALL BE COMPLETE WITH WIRE GUARD, WALL COLLAR, GRAVITY SHUTTER, AND HOA STARTER. COORDINATE WITH METAL BUILDING FRAMING PRIOR TO ORDERING. ASSOCIATED LOUVER PRESSURE DROP SHALL NOT EXCEED .25" SP.
 - 9) PROVIDE A IMC450 PROGRAMMABLE THREE PHASE VOLTAGE MONITOR WITH 25 FAULT MEMORY ON ALL EQUIPMENT REQUIRING THREE PHASE ELECTRICAL.



ASSOCIATED DESIGN GROUP, INC.
3909 W Congress Street, Suite 201
Lafayette, Louisiana 70506
Phone: (337) 234-5710
Email: adginc@adginc.org

Project No. 25082

CONSTRUCTION DOCUMENTS



Brossett Architect, LLC • 414 Pujo St., Lake Charles, LA 70601

LAKE CHARLES PUBLIC WORKS
NEW FACILITY PHASE 2

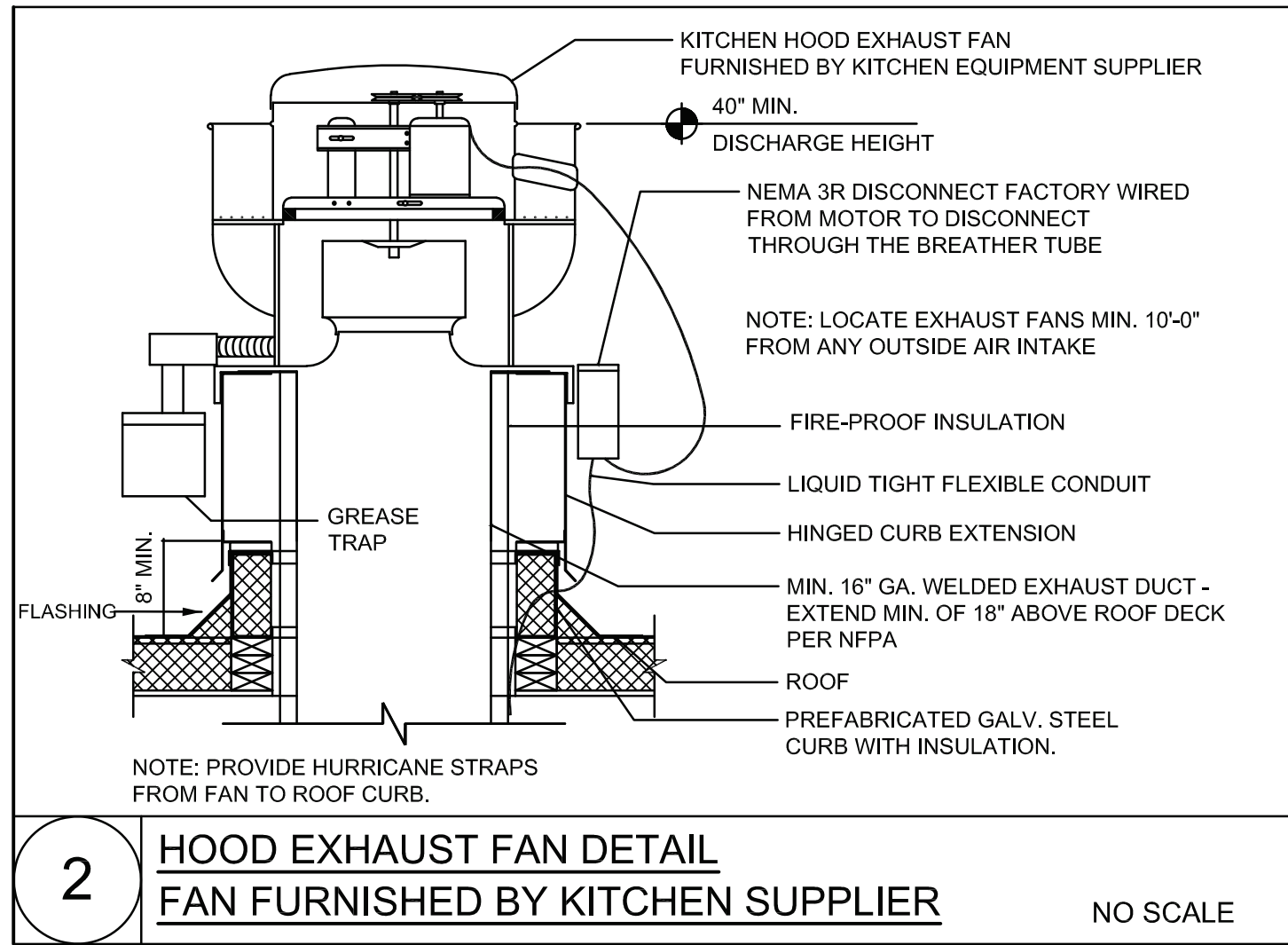
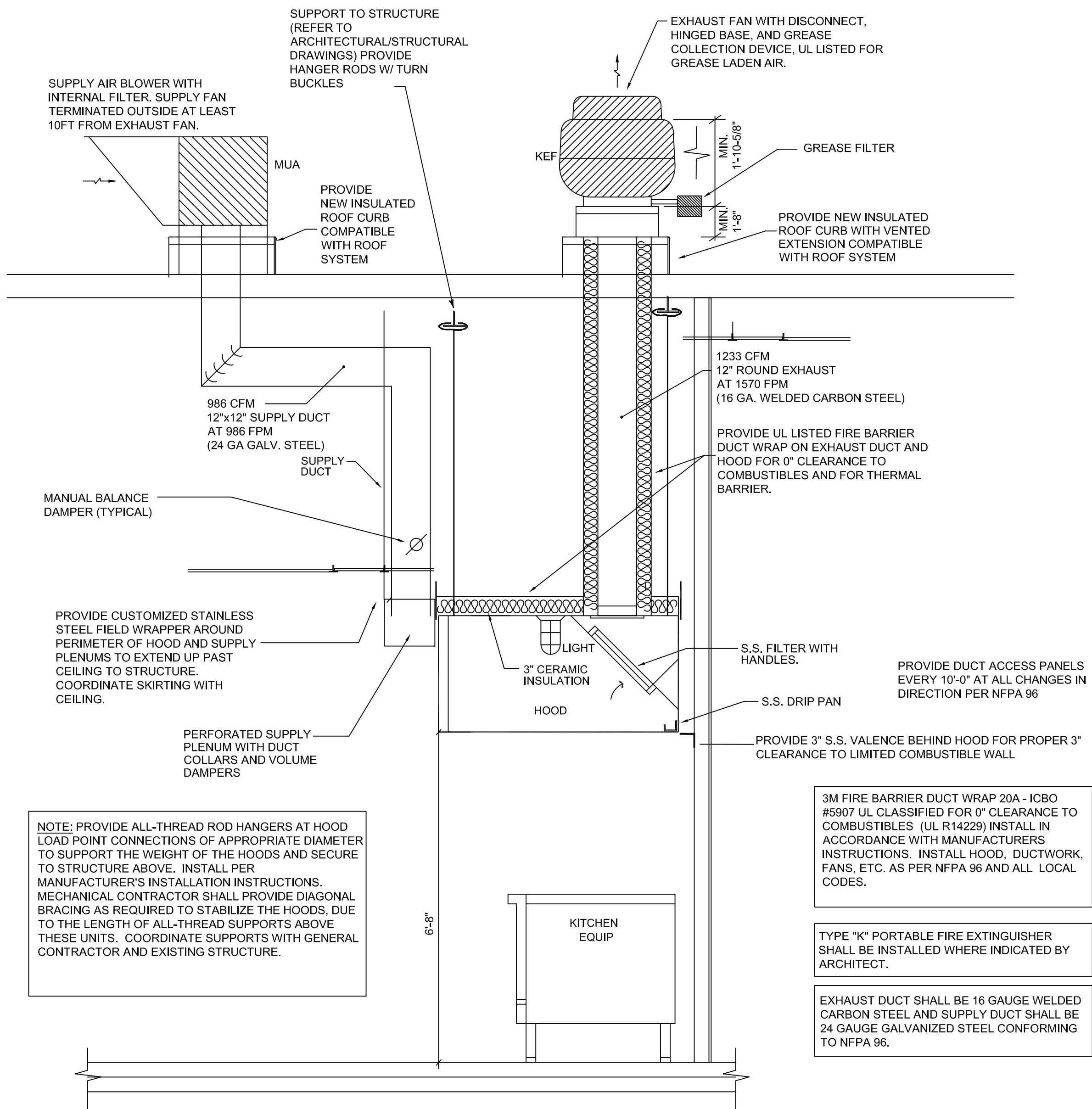
4200 BROAD STREET
LAKE CHARLES, LA 70615
MECHANICAL SCHEDULES

SHEET NO.
M3.3

ARCH #24009 EA

VER.	DATE	DESCRIPTION
0	12/20/2025	CONSTRUCTION DOCUMENTS

© COPYRIGHT 2025,
Brossett Architect, LLC
All Rights Reserved.
This document shall not be
copied or reproduced
without written permission.



KITCHEN HOOD SCHEDULE																			
HOOD NO.	TAG	MODEL	MANUF.	LENGTH	MAX. COOKING TEMP.	APPLIANCE DUTY	DESIGN CFM/R	TOTAL EXH. CFM	EXHAUST PLENUM							TOTAL SUPPLY CFM	HOOD CONSTRUCTION	HOOD CONFIG.	
									RISER(S)									END TO END	ROW
									WIDTH	LENG.	HEIGHT	DIA.	CFM	VEL.	S.P.				
1	KH-1 - 115 BREAK AREA	3630 EX-2-PSP-F	ECON-AIR	6' 2"	600 Deg.	Heavy	200	1233	N/A	N/A	4"	12"	1233	1570	-0.533"	986	430 SS Where Exposed	ALONE	ALONE

- KITCHEN HOODS, FANS, VFD'S, CONTROLS, AND SUPPRESSION SYSTEM SHALL BE PROVIDED BY AND INSTALLED BY THE CONTRACTOR FOR COMPLETE WORKING SYSTEMS.
- PROVIDE THE FOLLOWING ACCESSORIES FOR EACH HOOD:
 - 3" OFFSETS.
 - LIGHTS
 - FILTERS
 - CUSTOMIZED STAINLESS STEEL FIELD WRAPPERS ON ALL SIDES. (COORDINATE DIMENSIONS OF CUSTOM FIELD WRAPPER WITH KITCHEN AREA ABOVE HOODS PRIOR TO ORDERING)
 - PROVIDE CONTINUOUS COVERAGE OVERLAPPING APPLIANCE PROTECTION FIRE SUPPRESSION SYSTEM (ANSUL R-102 OVERLAPPING SYSTEM OR APPROVED EQUAL) WITH NOZZLES NOT SPECIFIC TO ANY EQUIPMENT LAYOUT. PROVIDE FLOW POINTS AND CANNISTERS AS REQUIRED TO PROVIDE COMPLETE COVERAGE.
 - PROVIDE CONTROLS FOR QUANTITY OF EXHAUST FANS AND SUPPLY FANS SCHEDULED. EXHAUST ON IN FIRE, LIGHTS OUT IN FIRE. INVERTER DUTY 3 PHASE MOTOR WITH SHAFT GROUNDING RING REQUIRED SHALL BE PROVIDED FOR ALL FANS USED WITH VFD'S. ROOM TEMPERATURE SENSOR SHIPPED LOOSE FOR FIELD INSTALLATION, REFER TO PLANS AND COORDINATE WITH ARCHITECT/OWNER FOR FINAL LOCATION OF ROOM TEMPERATURE SENSOR. VERIFY DISTANCE BETWEEN VFD AND MOTOR; BIDDING CONTRACTOR SHALL ASSUME THAT DISTANCE EXCEEDS 50 FEET FOR BID PRICING. FIELD VERIFY DISTANCE.

FAN UNIT NO.	SERVICE	FAN UNIT MODEL #	CFM	ESP.	RPM	H.P.	B.H.P.	PH.	VOLT	FLA	DISCHARGE VELOCITY	WEIGHT (LBS.)	SONES	FOOTNOTES
KEF-1	KH-1 - 115 BREAK AREA	ECON-AIR/CAPTIVEAIRE EADU85H OR APPROVED EQUAL	1233	1.000	1202	1.000	0.3140	1	208	6.9	390 FPM	94	8.9	1-13

- ROOF MOUNTED FAN
- RESTAURANT MODEL
- UL705 AND UL762 AND ULC-S645
- AMCA SOUND AND AIR CERTIFIED
- WIRING FROM MOTOR TO DISCONNECT SWITCH
- WEATHERPROOF DISCONNECT
- HIGH HEAT OPERATION 300°F (149°C)
- GREASE CLASSIFICATION TESTING
- GREASE BOX
- EXHAUST FAN HEAT BAFFLE
- PROVIDE PREMIUM EFFICIENCY INVERTER DUTY MOTORS WITH SHAFT GROUNDING RING FOR 3-PHASE MOTORS CONTROLLED BY VFD.
- PROVIDE INSULATED ROOF CURB.
- PROVIDE HINGED BASE.

FAN UNIT NO.	FAN UNIT MODEL #	BLOWER	HOUSING	DESIGN CFM	ESP.	RPM	H.P.	B.H.P.	PH.	VOLT	FLA	WEIGHT (LBS.)	SONES	FOOTNOTES
MUA-1	ECON-AIR/CAPTIVEAIRE EA-A1-15D OR APPROVED EQUAL	15MF-1-MOD	A1	986	0.500	1232	1.000	0.2750	1	208	6.9	260	11.2	1-7

- UNTEMPERED SUPPLY UNIT DIRECT DRIVE FAN
- INTAKE HOOD WITH E2 FILTERS FOR EXTERIOR FANS, INLET FILTER RACK AND FILTERS FOR INTERIOR FAN
- DOWN DISCHARGE
- MOTORIZED BACK DRAFT DAMPER FOR UNTEMPERED UNITS W/EXTENDED SHAFT, STANDARD GALVANIZED CONSTRUCTION, 3/4" REAR FLANGE, LOW LEAKAGE, NFBUP-S ACTUATOR INCLUDED
- PROVIDE PREMIUM EFFICIENCY INVERTER DUTY MOTORS WITH SHAFT GROUNDING RING FOR 3-PHASE MOTORS CONTROLLED BY VFD'S.
- PROVIDE INSULATED ROOF CURB.

HOOD NO.	TAG	POS.	LENGTH	WIDTH	HEIGHT	TYPE	RISER(S)				
							WIDTH	LENG.	DIA.	CFM	S.P.
1	KH-1 - 115 BREAK AREA	Front	74"	14"	6"	MUA	12"	20"	N/A	493	0.134"
						MUA	12"	20"	N/A	493	0.134"



ASSOCIATED DESIGN GROUP, INC.
3909 W Congress Street, Suite 201
Lafayette, Louisiana 70506
Phone: (337) 234-5710
Email: adginc@adginc.org

Project No. 25082

CONSTRUCTION DOCUMENTS

SHEET NO.

M3.4

LAKE CHARLES PUBLIC WORKS
NEW FACILITY PHASE 2

4200 BROAD STREET
LAKE CHARLES, LA 70615
MECHANICAL KITCHEN HOOD SCHEDULES & DETAILS



Brossett
Architect



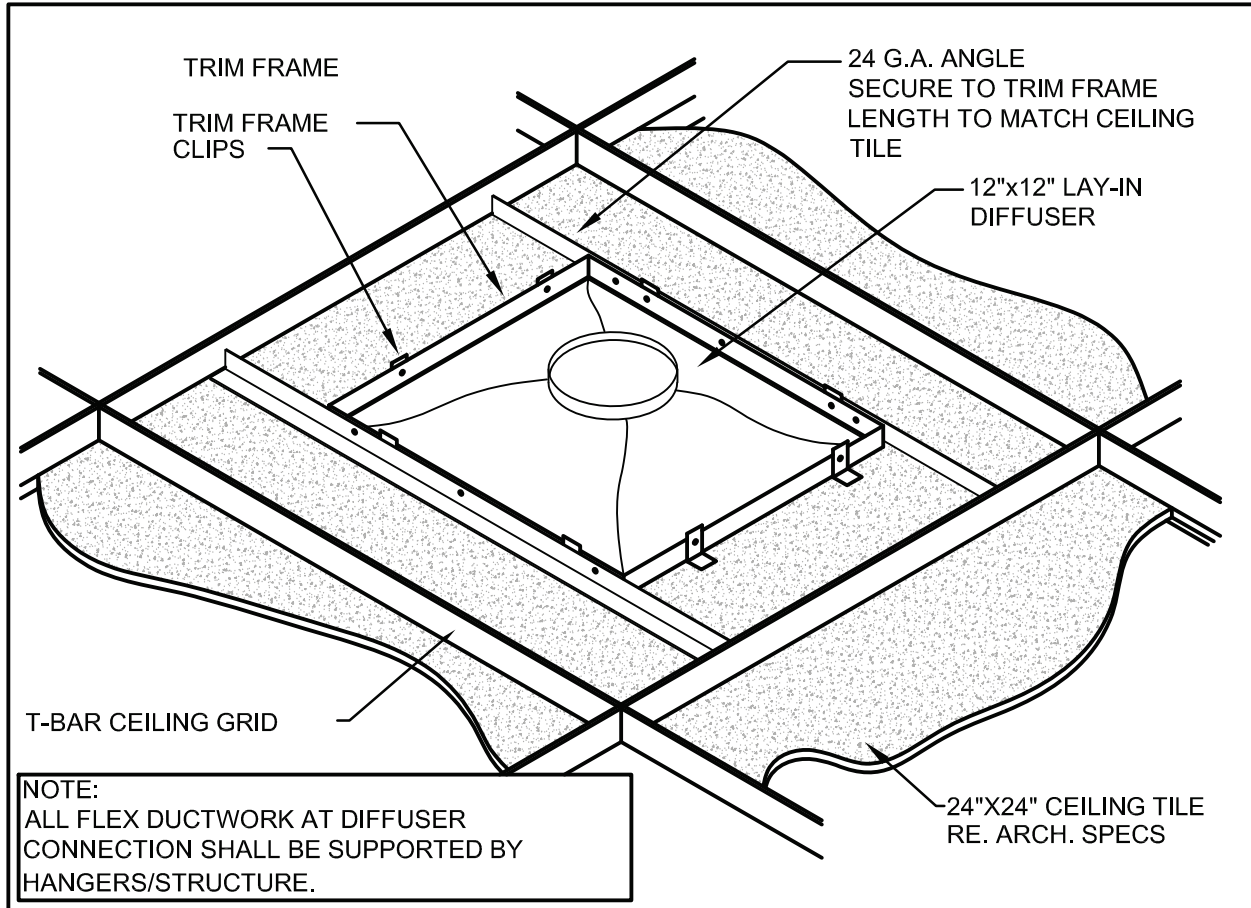
Brossett Architect, LLC • 414 Pujo St., Lake Charles, LA 70601

VER.	DATE	DESCRIPTION
0	12/20/2025	CONSTRUCTION DOCUMENTS

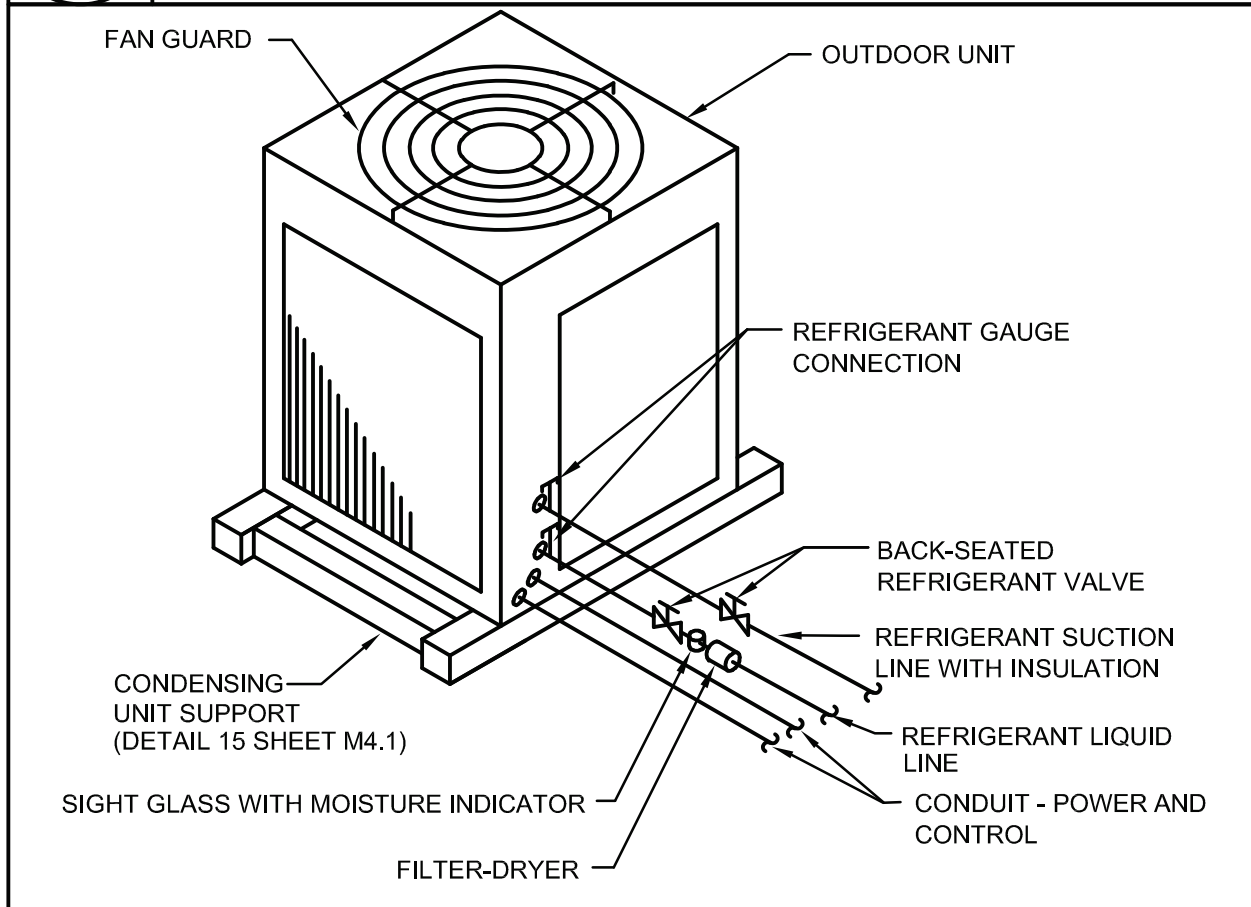
© COPYRIGHT 2025,
Brossett Architect, LLC
All Rights Reserved.
This document shall not be
copied or reproduced
without written permission.



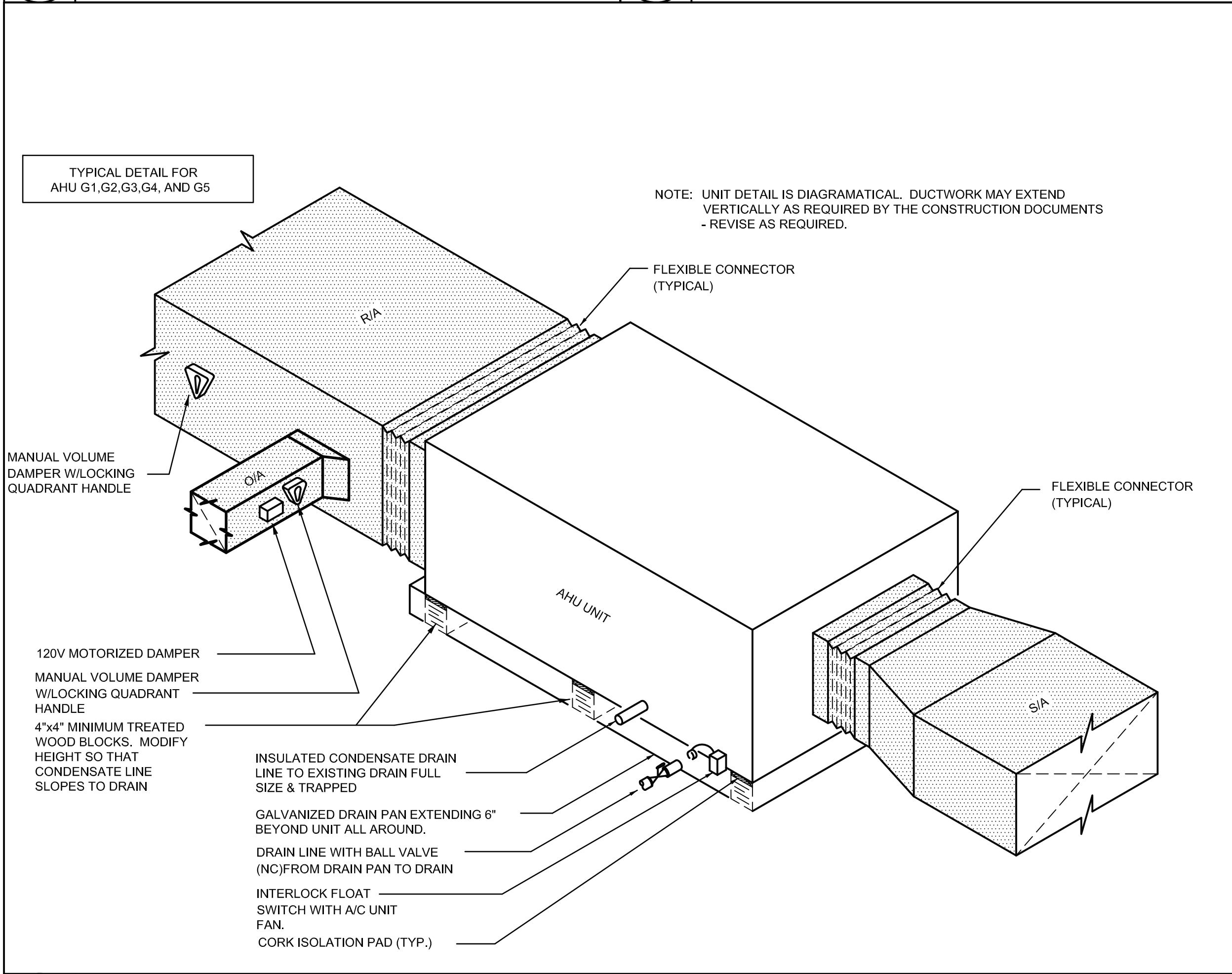
Project No. 25082



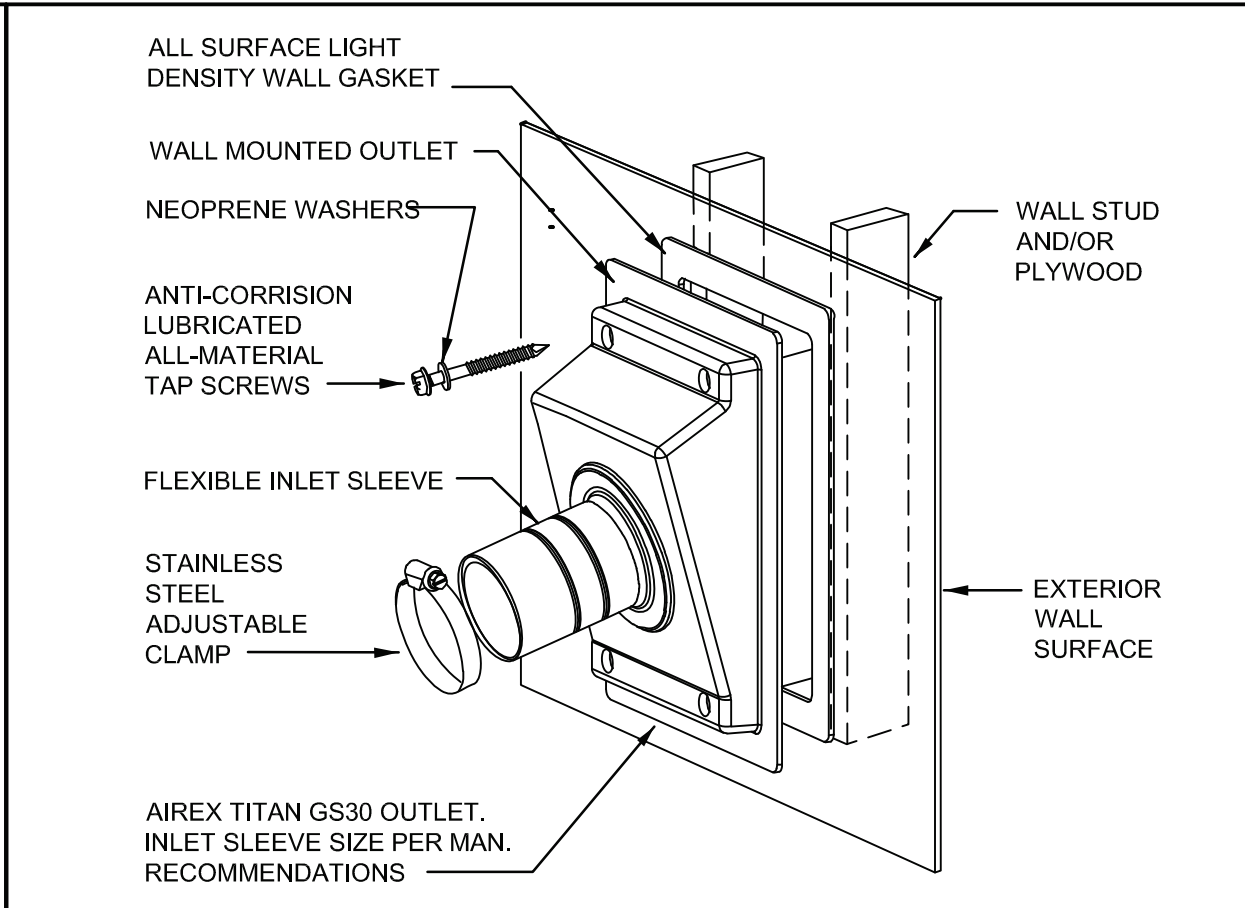
18 TRIM FRAME INSTALLATION DETAIL
NO SCALE



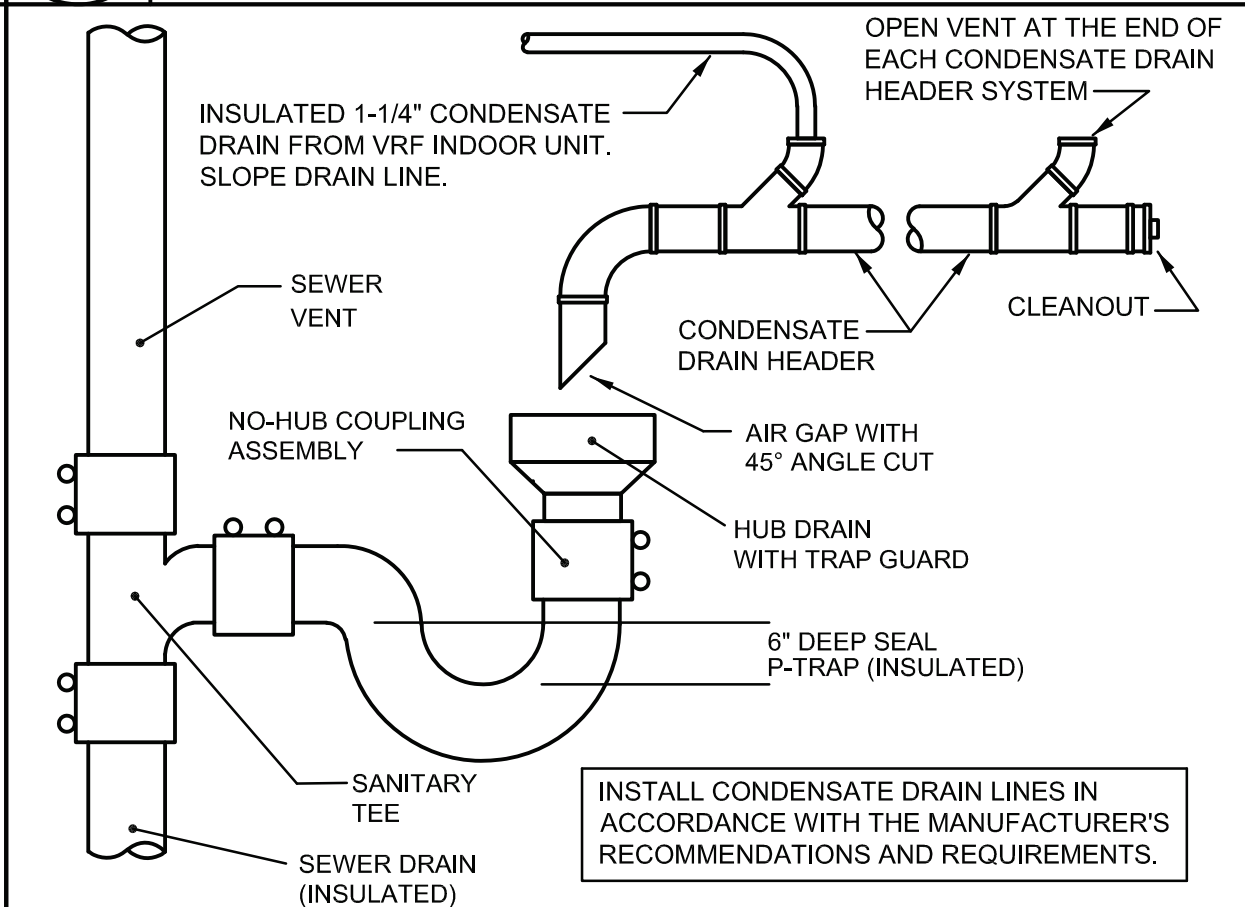
22 OUTDOOR VRF / HEAT PUMP UNIT
NO SCALE



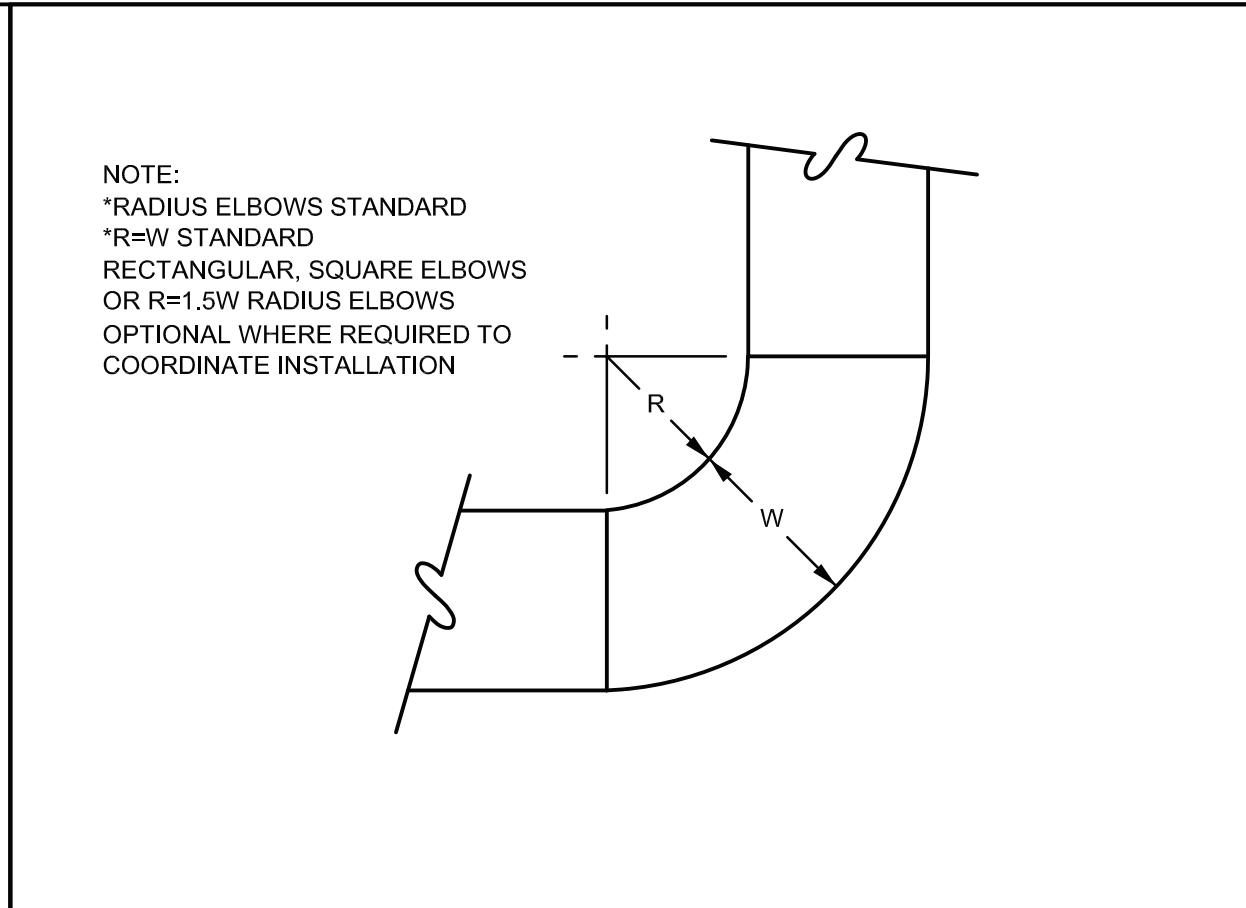
27 AIR HANDLING UNIT DETAIL
NO SCALE



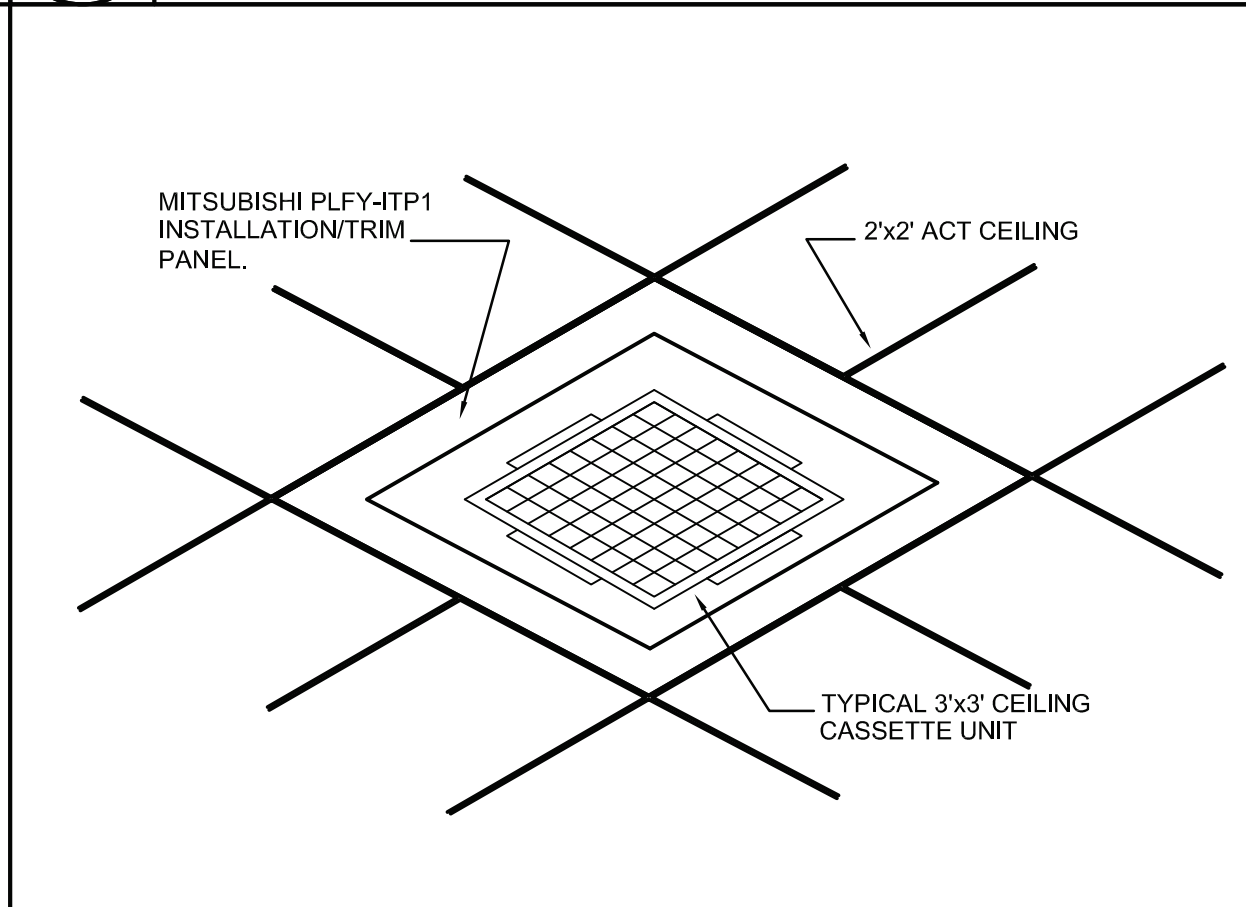
19 REFRIGERANT PIPE WALL PENETRATION DETAIL
NO SCALE



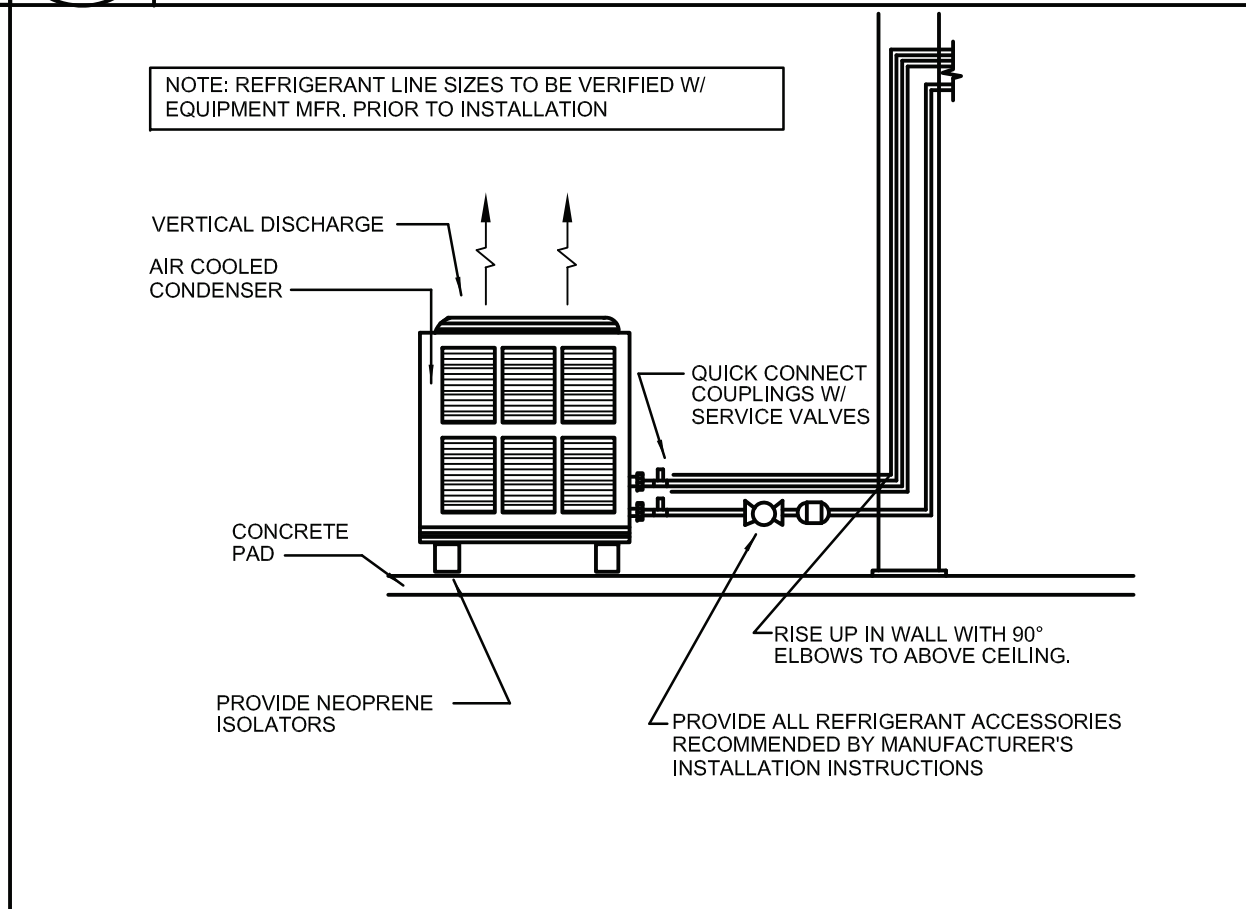
23 CONDENSATE HEADER DETAIL
NO SCALE



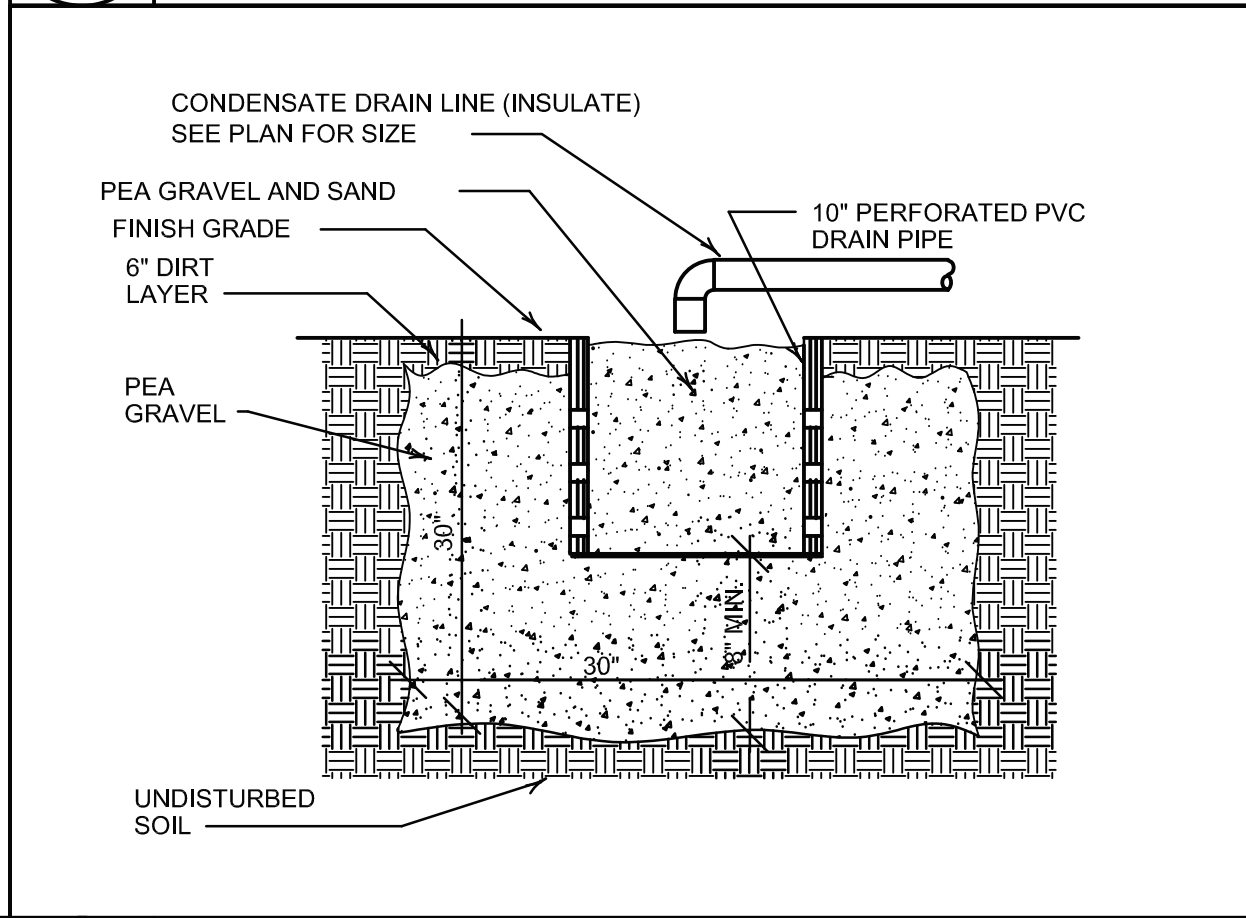
20 ELBOW CONSTRUCTION DETAIL
NO SCALE



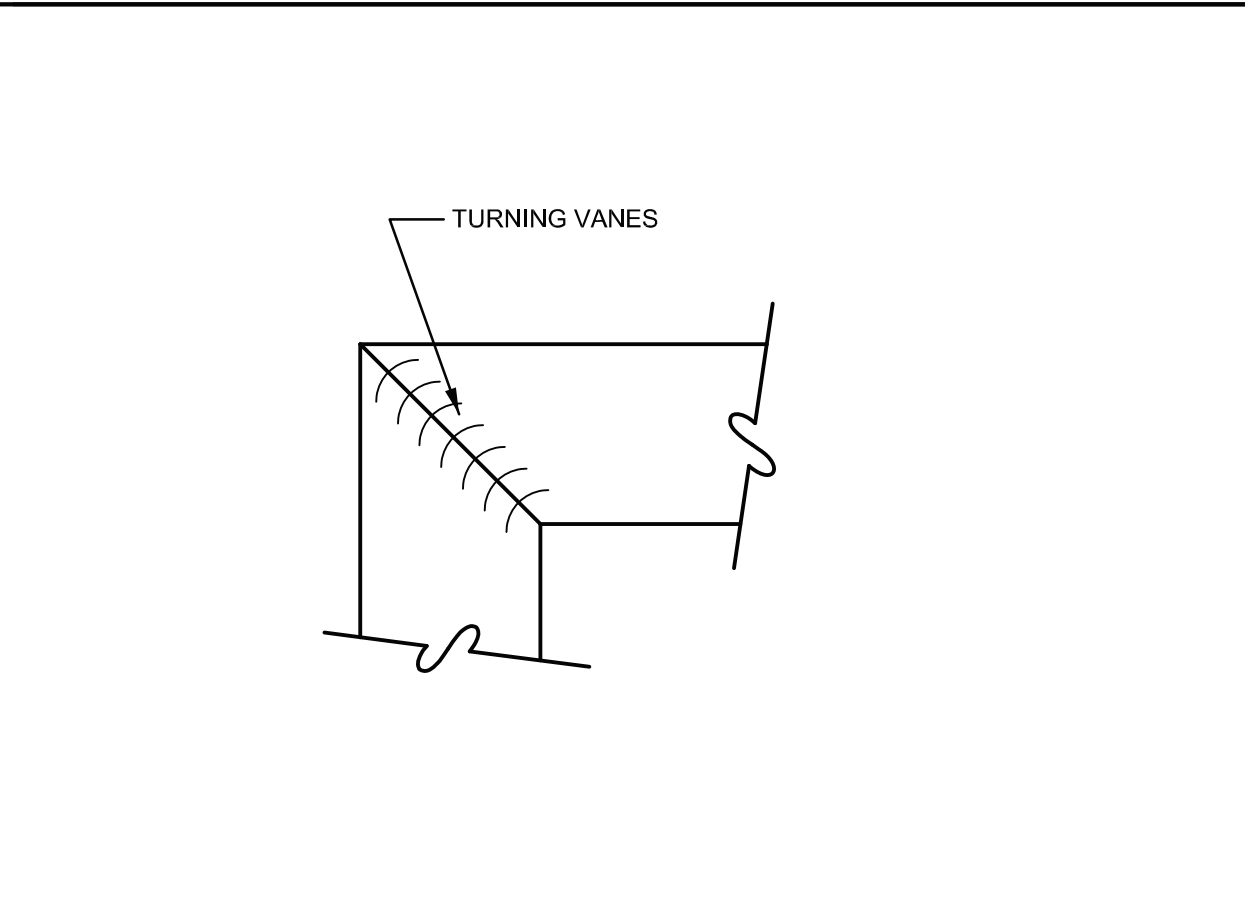
24 CEILING CASSETTE UNIT WITH TRIM PANEL DETAIL
NO SCALE



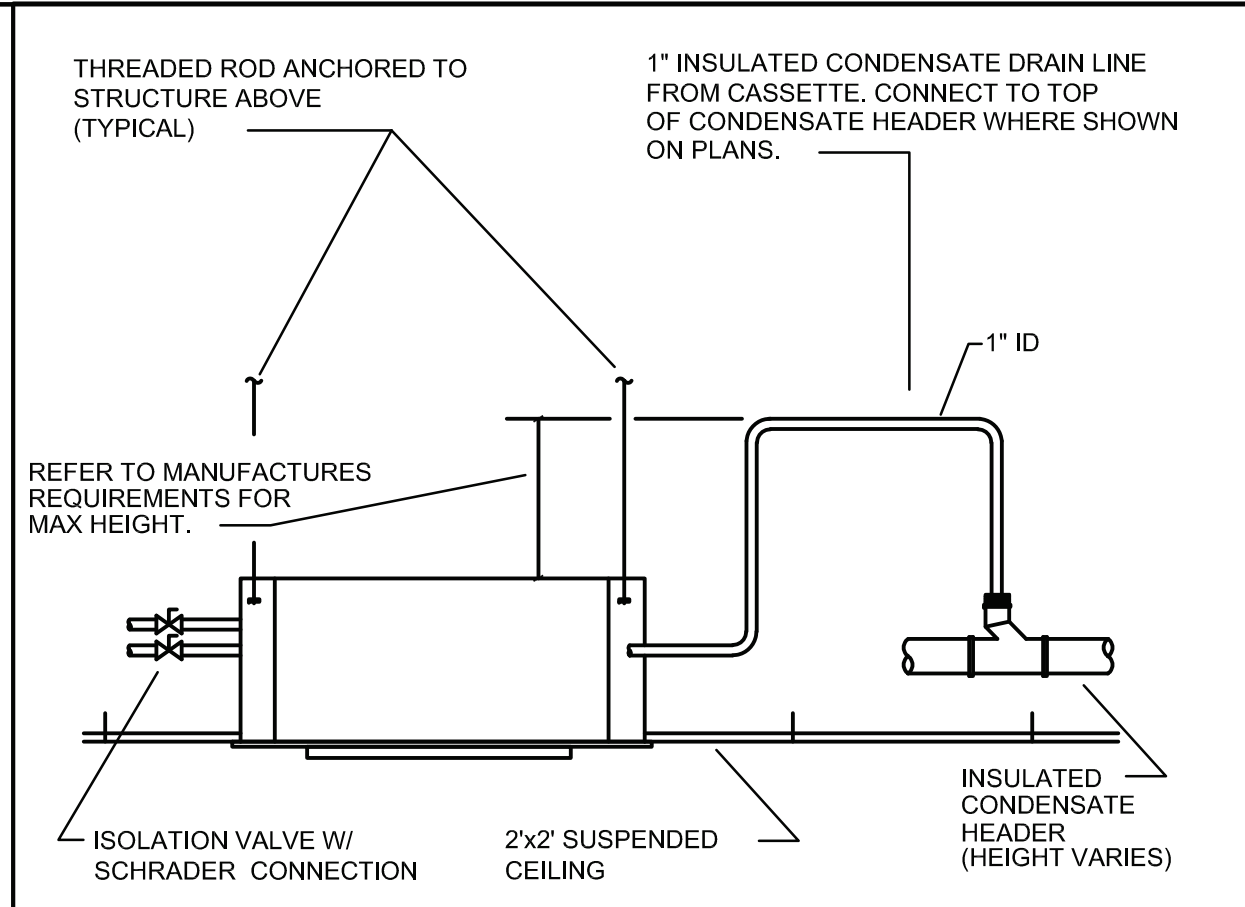
28 CONDENSING UNIT DETAIL
NO SCALE



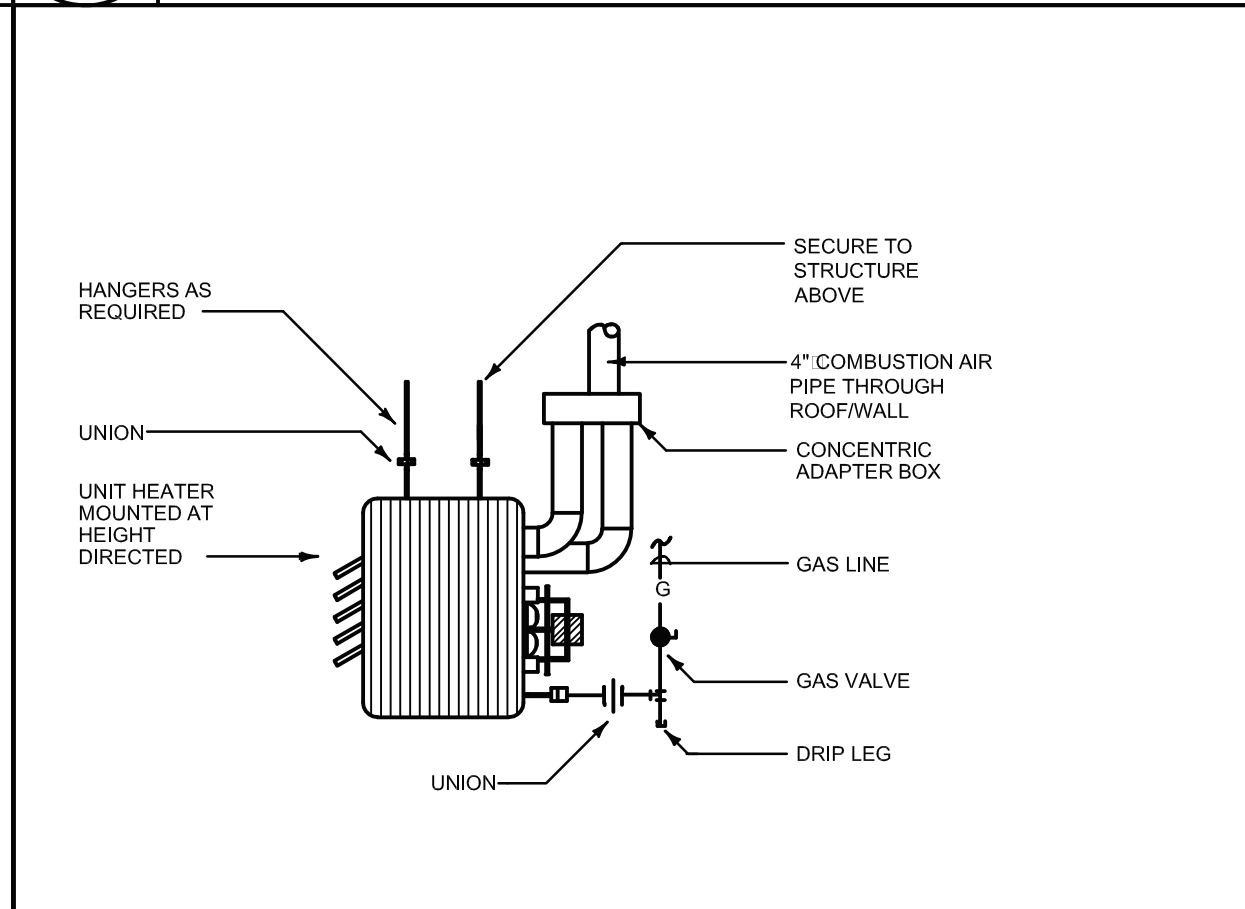
31 FRENCH DRAIN DETAIL
NO SCALE



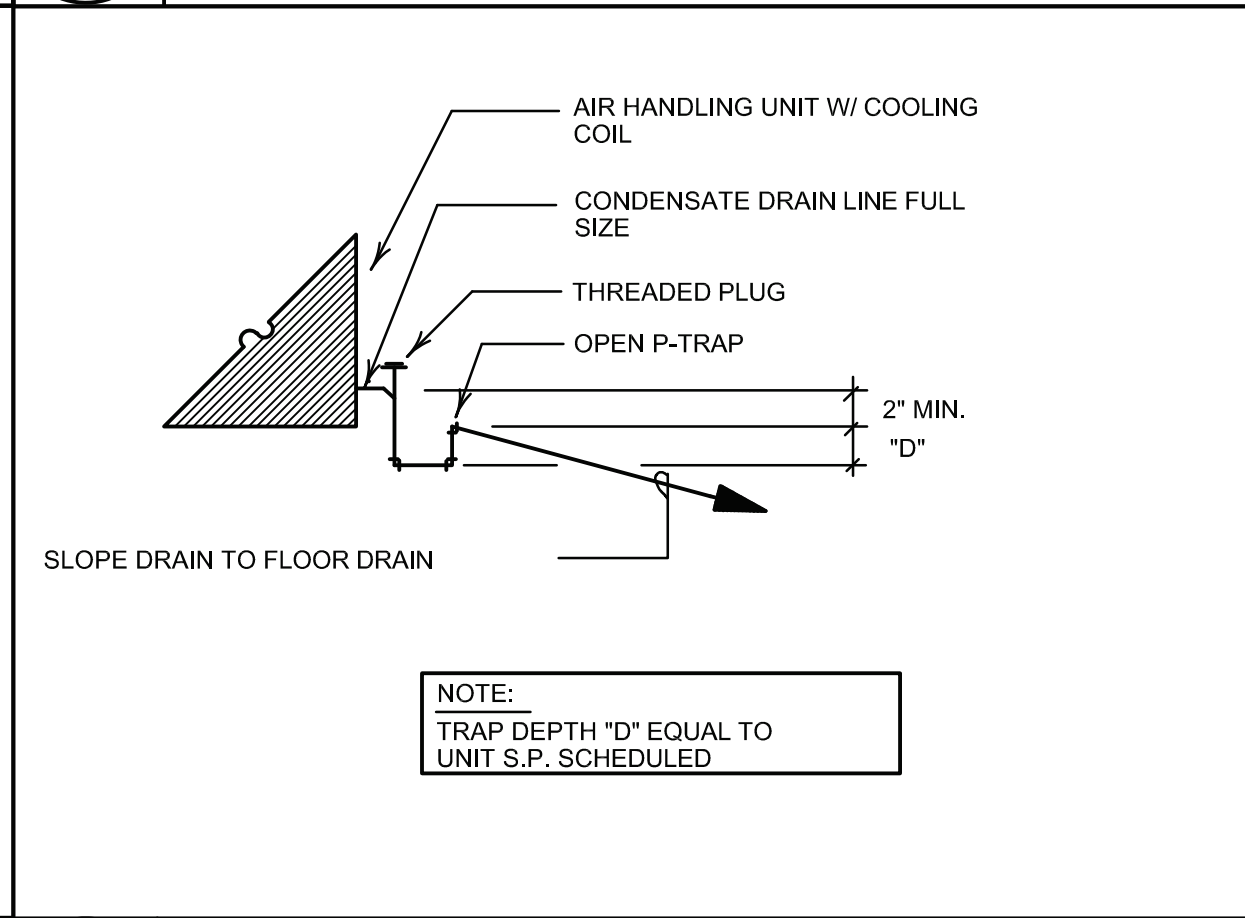
21 EXHAUST WALL FAN DETAIL
NO SCALE



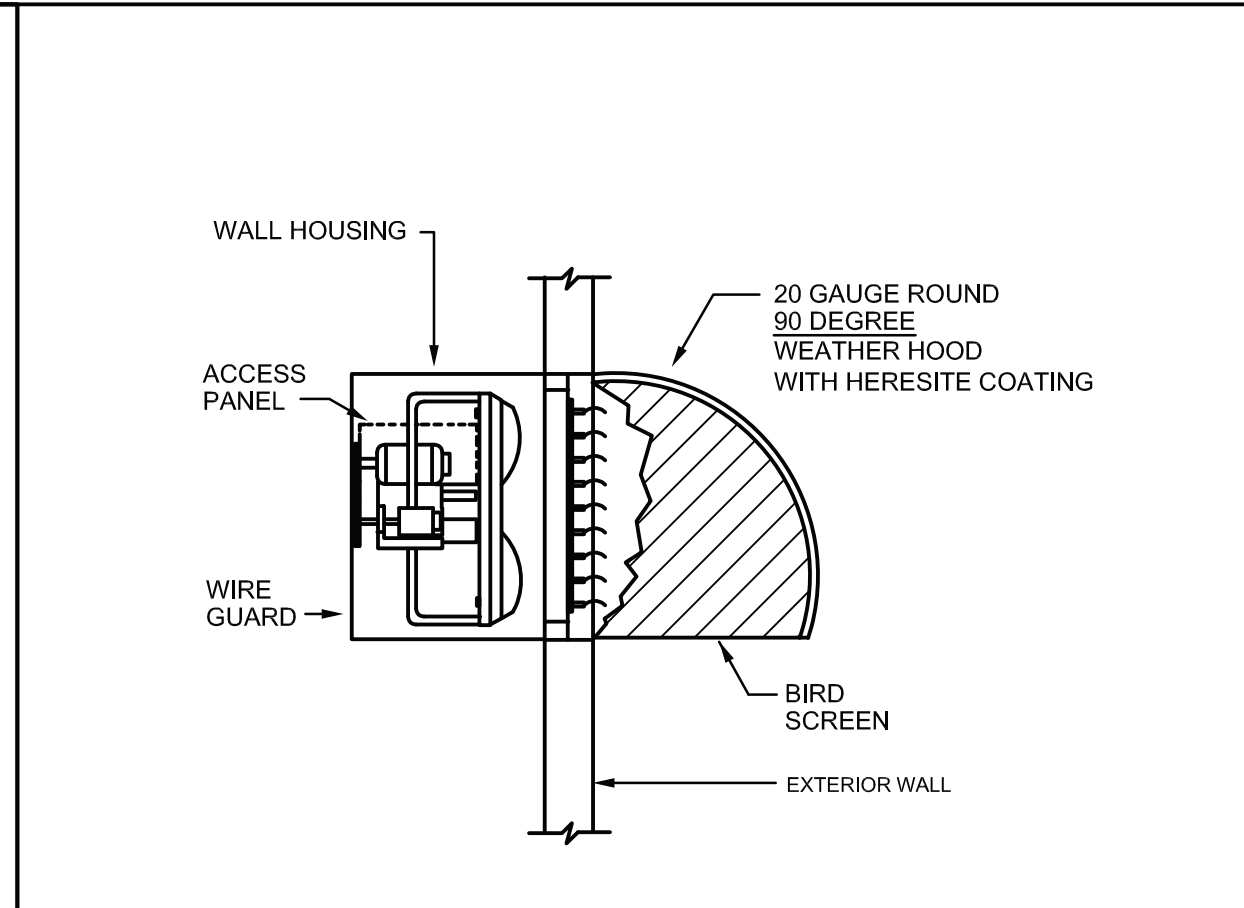
25 CEILING RECESSED UNIT
NO SCALE



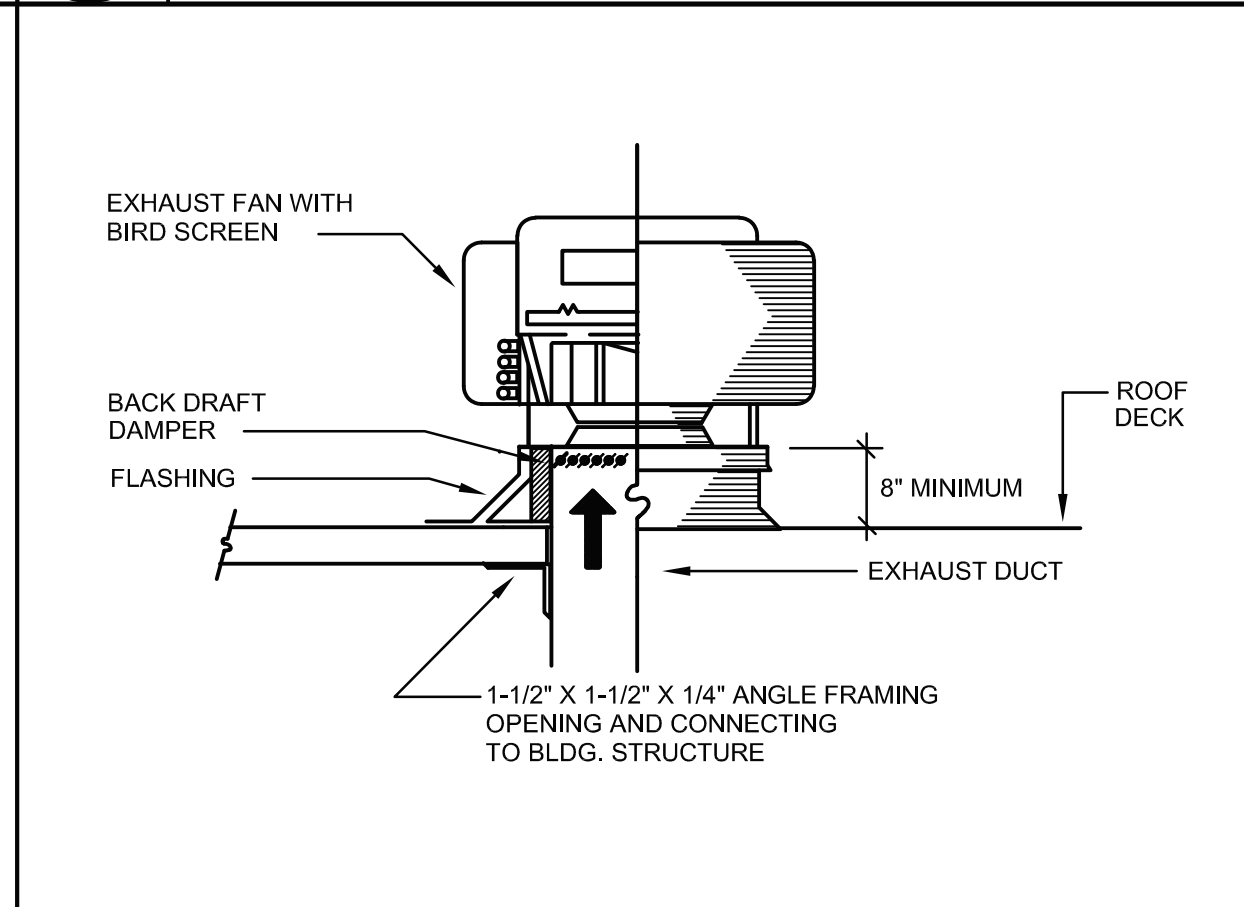
29 GAS UNIT HEATER DETAIL
NO SCALE



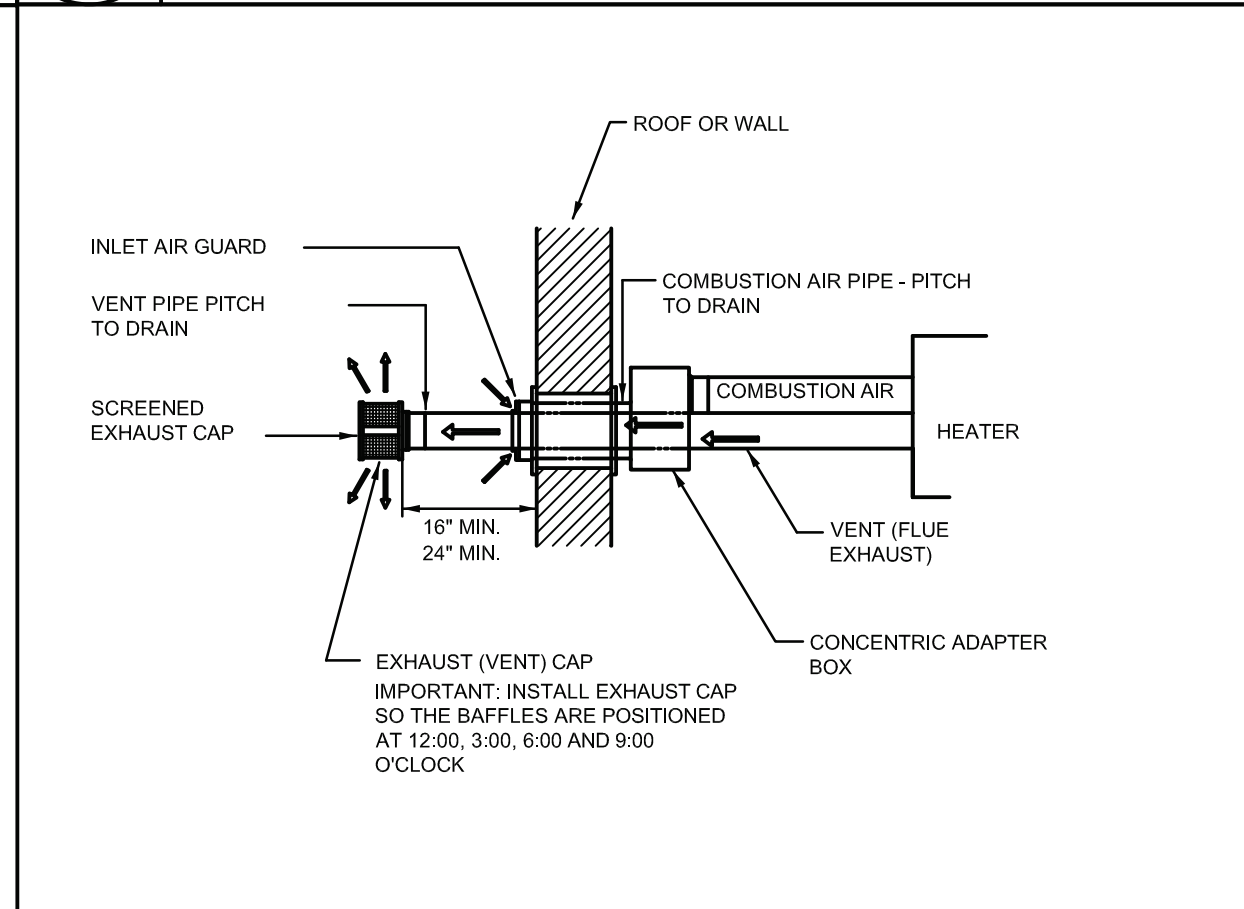
33 AHU DRAIN PIPING DIAGRAM
NO SCALE



21 EXHAUST WALL FAN DETAIL
NO SCALE



26 CURB MOUNTED EXHAUST FAN DETAIL
NO SCALE



30 FLUE THRU ROOF/WALL DETAIL
NO SCALE



ASSOCIATED DESIGN GROUP, INC.
3909 W Congress Street, Suite 201
Lafayette, Louisiana 70506
Phone: (337) 234-5710
Email: adginc@adginc.org

Project No. 25082

CONSTRUCTION DOCUMENTS



Brossett
Architect



Brossett Architect, LLC • 414 Pujot St., Lake Charles, LA 70601

LAKE CHARLES PUBLIC WORKS
NEW FACILITY PHASE 2

4200 BROAD STREET
LAKE CHARLES, LA 70615
MECHANICAL DETAILS

SHEET NO.
M4.2

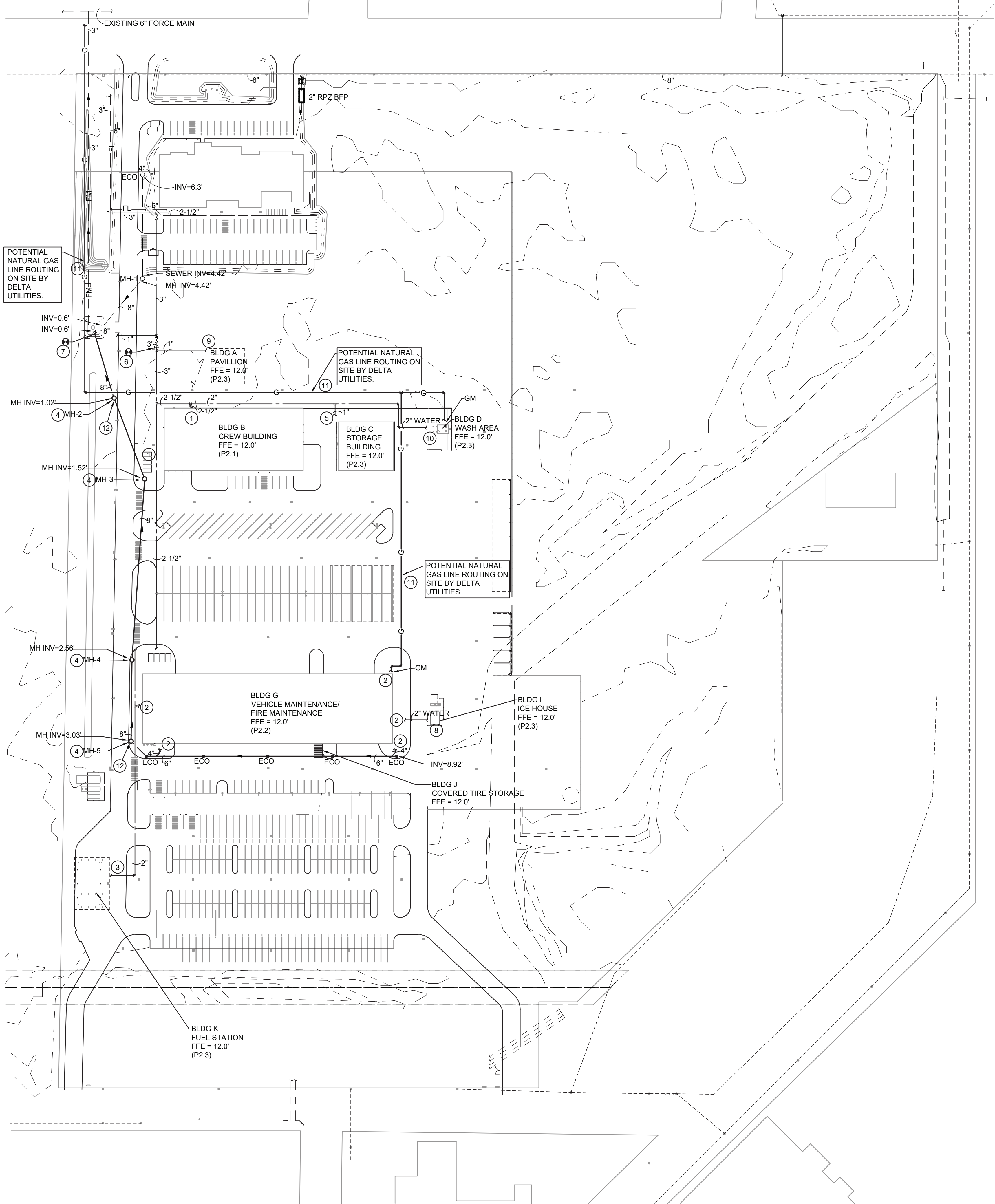
ARCH #24009 BA

VER.	DATE	DESCRIPTION
0	12/20/2025	CONSTRUCTION DOCUMENTS

© COPYRIGHT 2025,
Brossett Architect, LLC
All Rights Reserved.
This document shall not be
copied or reproduced
without written permission.

1 PLUMBING SITE PLAN

SCALE: 1" = 80'-0"



PLUMBING GENERAL NOTES:

- ALL WORK SHALL BE IN ACCORDANCE WITH APPLICABLE LOCAL, STATE, AND FEDERAL CODES (INCLUDING INTERNATIONAL PLUMBING CODE, INTERNATIONAL BUILDING CODE, NFPA, ETC.) AND APPLICABLE DEQ AND DHHOP REGULATIONS TO THE SATISFACTION OF THE AUTHORITIES HAVING JURISDICTION. CONTRACTOR SHALL OBTAIN REQUIRED PERMITS AND APPROPRIATE WORK AUTHORIZATION PRIOR TO BEGINNING WORK.
- CONTRACTOR SHALL SHALL VERIFY EXACT LOCATION OF UTILITIES, INVERT ELEVATIONS, ETC. PRIOR TO BEGINNING ANY ROUGH-IN OF SUBSURFACE WORK. COORDINATE ALL UTILITY TIE-IN REQUIREMENTS WITH RESPECTIVE UTILITIES.
- REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS, DETAILS, ETC. INSTALL WORK TO CONFORM TO ARCHITECTURAL AND STRUCTURAL DRAWINGS AS REQUIRED. REVIEW COMPLETE SET OF CONTRACT DOCUMENTS PRIOR TO SUBMITTING BID.
- CONTRACTOR SHALL RUN ALL NEW UTILITIES (WATER, SEWER, ETC.) AROUND NEW CONSTRUCTION AREA AS INDICATED PRIOR TO SHUTTING DOWN OR TIE-ING INTO ANY SYSTEMS. COORDINATE ALL UTILITY SERVICE DISRUPTIONS TO OTHER UTILITY CUSTOMERS WITH RESPECTIVE UTILITY. ALL UTILITY RELOCATION (SUCH AS WATER) SHALL BE DONE IN STRICT COMPLIANCE WITH UTILITY COMPANY STANDARDS AND REQUIREMENTS. CONTACT UTILITY COMPANY AND VERIFY AND (DOCUMENT) REQUIREMENTS, COST, CHARGES, ETC.. CONTRACTOR SHALL FULLY COMPLY WITH ALL UTILITY COMPANY REQUIREMENTS.
- COORDINATE ALL WORK THROUGH GENERAL CONTRACTOR. COORDINATE CUTTING, PATCHING, TRENCHING WORK WITH SITE GRADING/PAVING PLAN.
- COORDINATE INSTALLATION OF ALL PLUMBING, PIPING, ETC. WITH STRUCTURE.

PLUMBING KEYNOTES:

- REFER TO PLUMBING SHEET P2.1 FOR CONTINUATION.
- REFER TO PLUMBING SHEET P2.2 FOR CONTINUATION.
- REFER TO PLUMBING SHEET P2.3 PLAN 1 FOR CONTINUATION.
- PROVIDE A NEW CONCRETE SANITARY SEWER MANHOLE WITH CAST IRON TOP AND SPECTRASHIELD LINER LOCATED IN THIS VICINITY. FIELD VERIFY INVERTS, GRADE ELEVATIONS, SLOPE AND LOCATIONS PRIOR TO EXCAVATIONS AND ROUGH-INS.
- REFER TO PLUMBING SHEET P2.3 PLAN 2 FOR CONTINUATION.
- CONNECT TO EXISTING DOMESTIC WATER LINE BELOW GRADE IN THIS VICINITY. VERIFY EXACT TIE-IN LOCATION PRIOR TO ANY ROUGH-INS.
- CONNECT TO EXISTING SANITARY SEWER LINE BELOW GRADE IN THIS VICINITY. VERIFY EXACT TIE-IN LOCATION PRIOR TO ANY ROUGH-INS.
- REFER TO PLUMBING SHEET P2.3 PLAN 3 FOR CONTINUATION.
- REFER TO PLUMBING SHEET P2.3 PLAN 4 FOR CONTINUATION.
- REFER TO PLUMBING SHEET P2.3 PLAN 5 FOR CONTINUATION.
- COORDINATE WITH DELTA UTILITIES TO PROVIDE UNDERGROUND GAS LINES ON SITE AND GAS METERS AT EACH BUILDING. CONTACT BRITTNEY WELCH (337-475-6364) FOR BUDGET PRICE PRIOR TO BIDDING. COORDINATE ROUTE OF GAS SERVICE LINE WITH OWNER AND LOCAL GAS COMPANY. CONTRACTOR SHALL PAY ALL SERVICE AND CONNECTION CHARGES INCLUDING GAS METERS AND REGULATORS.
- REFER TO CIVIL PLANS FOR CONTINUATION OF SEWER FROM OIL/WATER SEPARATORS.

NEW MANHOLE SCHEDULE			
MANHOLE	TOP ELEV.	INVERT	APPROXIMATE SURROUNDING GRADE
MH-2	10.0'	1.02'	9.00'
MH-3	12.0'	1.52'	11.71'
MH-4	12.0'	2.56'	11.40'
MH-5	11.3'	3.03'	10.28'

* NOTE: FOR BIDDING PURPOSES, THE CONTRACTOR SHALL ASSUME THE MANHOLE TOP ELEVATION TO BE ONE FOOT HIGHER THAN SCHEDULED. EXACT TOP ELEVATION SHALL BE VERIFIED IN FIELD.



ASSOCIATED DESIGN GROUP, INC.
3909 W Congress Street, Suite 201
Lafayette, Louisiana 70506
Phone: (337) 234-5710
Email: adginc@adginc.org

Project No. 25082

CONSTRUCTION DOCUMENTS

SHEET NO.

P1.0

VER.	DATE	DESCRIPTION
0	12/20/2025	CONSTRUCTION DOCUMENTS

© COPYRIGHT 2025,
Brossett Architect, LLC
All Rights Reserved.
This document shall not be
copied or reproduced
without written permission.

LAKE CHARLES PUBLIC WORKS
NEW FACILITY PHASE 2

4200 BROAD STREET
LAKE CHARLES, LA 70615
PLUMBING SITE PLAN

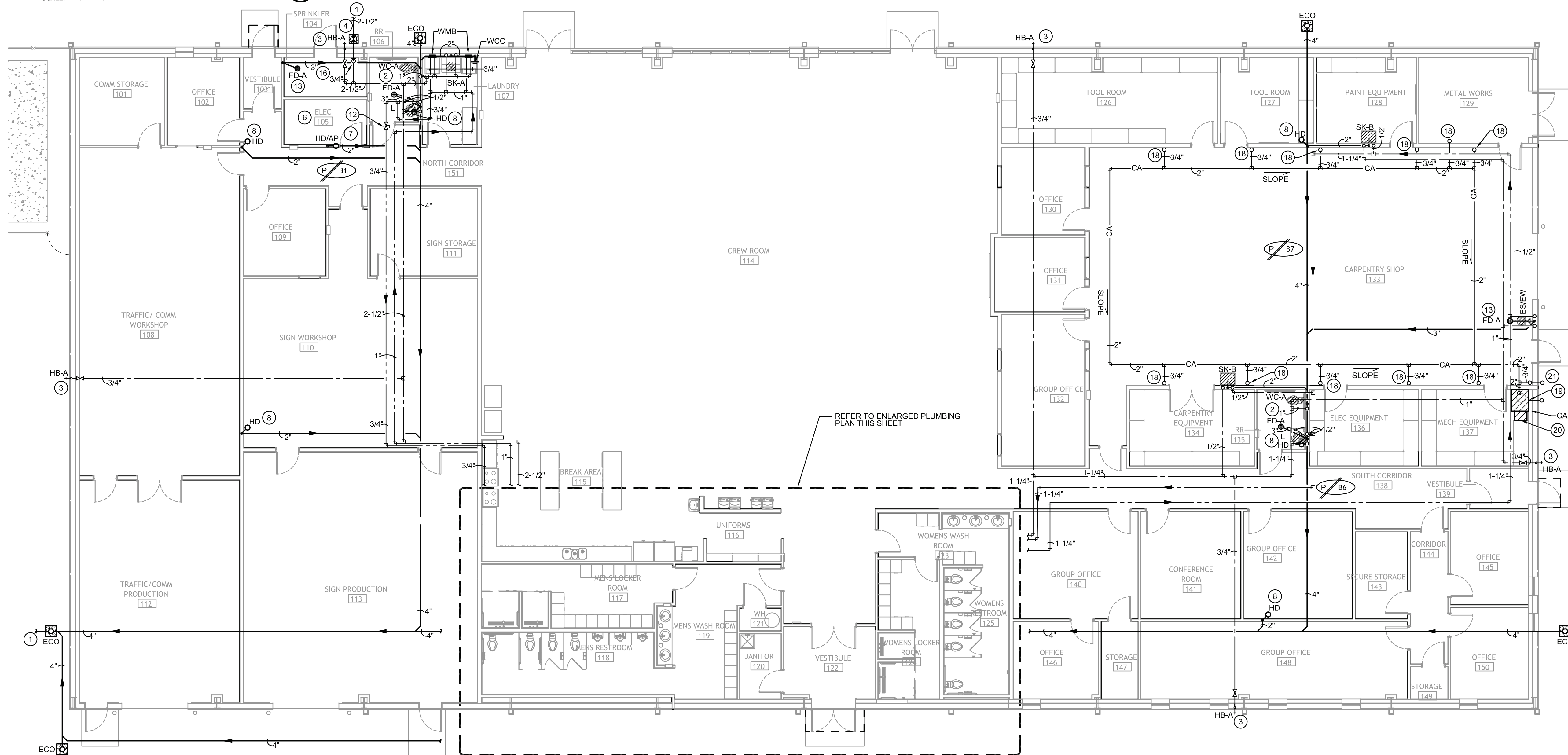


Brossett
Architect

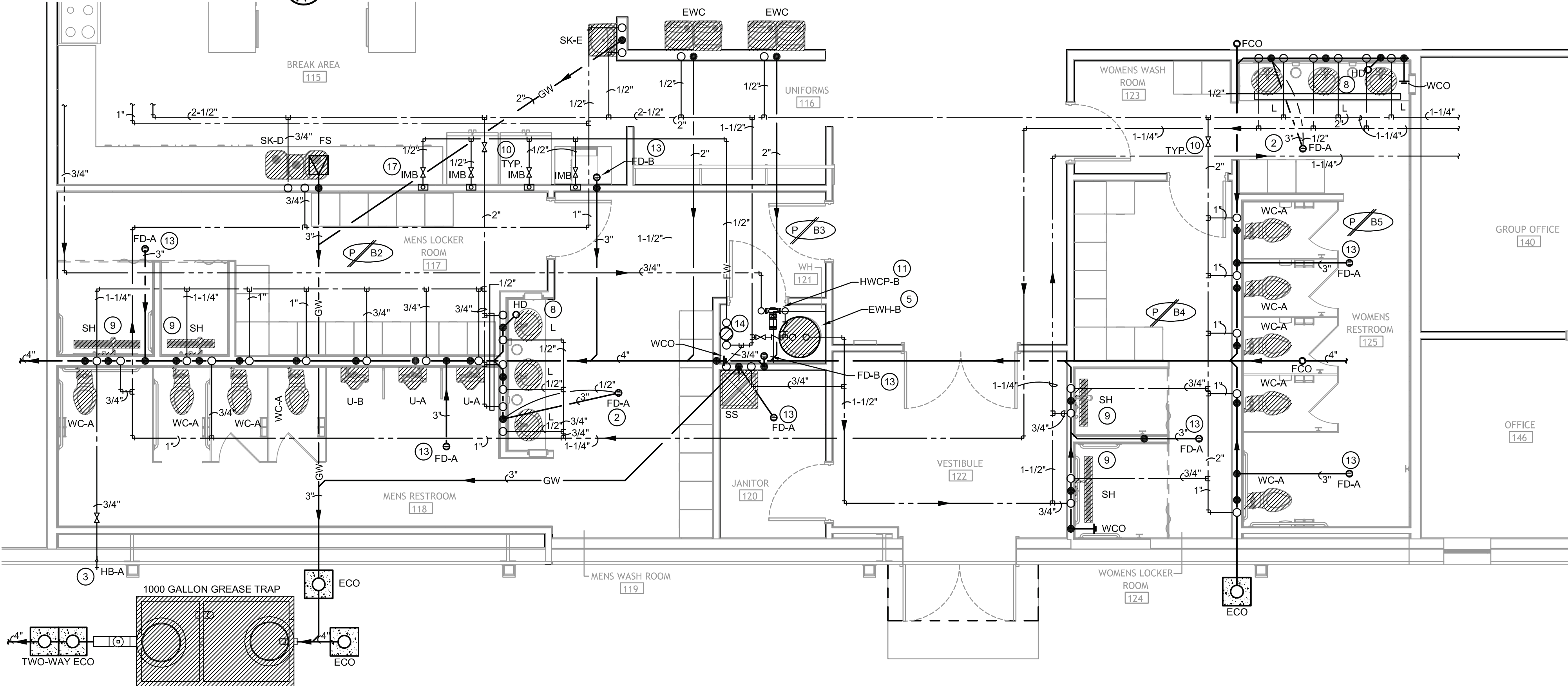


Brossett Architect, LLC • 414 Pujoe St., Lake Charles, LA 70601

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



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



- (11) PROVIDE HOT WATER CIRCULATOR PER DETAILS #10 ON SHEET P4.1. INTERLOCK RECIRC PUMP WITH HOT WATER HEATER PER MANUFACTURER'S INSTALLATION INSTRUCTIONS WITH TIMER AND AQUASTAT. COORDINATE TIMER SETTING WITH OWNER.
- (12) INSTALL CALIBRATED BALANCING VALVE APPROXIMATELY WHERE SHOWN. BALANCE TO 1.0 GPM.
- (13) PROVIDE PRO-SET TRAP GUARD TRAP PRIMER IN FLOOR DRAIN.
- (14) PROVIDE 3M AQUAPURE ICE 160-S CARTRIDGE FILTER WITH BYPASS ON WALL. CONTINUE ABOVE CEILING TO ICE MAKERS AND COFFEE MAKERS.
- (15) PROVIDE WATER AND DRAIN FOR ICE MAKER.
- (16) RUN 2-1/2" DOMESTIC COLD WATER LINE UP FROM BELOW SLAB. CONTINUE UP AND RUN ABOVE CEILING.
- (17) INSTALL ICE MAKER VALVE BOX FOR COFFEE MAKER WATER SUPPLY. COORDINATE EXACT LOCATION IN FIELD WITH ARCHITECT PRIOR TO ROUGH-IN.
- (18) DROP 3/4" COMPRESSED AIR LINE DOWN ALONG WALL TO 3'-0"A.F.F. PROVIDE BALL TYPE CUTOFF VALVE IN LINE AT 5'-0"A.F.F. THE VALVE QUICK CONNECT FITTINGS SHALL BE FURNISHED & INSTALLED BY OWNER. REFER TO DETAIL. COORDINATE TYPE AND LOCATION WITH EQUIPMENT AND OWNER PRIOR TO ROUGH-IN.
- (19) PROVIDE AND INSTALL RECIPROCATING SIMPLEX AIR COMPRESSOR AT THIS APPROXIMATE LOCATION. DROP 2" AIR LINE DOWN TO AIR COMPRESSORS AND DRYER. PROVIDE CUTOFF VALVE, REGULATOR, CAP, AUTO DRAIN VALVE, AND DRIP LEG. ROUTE DRAIN LINE TO EXTERIOR WALL. REFER TO SCHEDULES FOR ADDITIONAL INFORMATION.
- (20) PROVIDE AND INSTALL AIR COOLED COMPRESSED AIR DRYER AT THIS APPROXIMATE LOCATION.ROUTE DRAIN LINE TO EXTERIOR WALL. REFER TO SCHEDULES FOR ADDITIONAL INFORMATION.
- (21) PROVIDE DRIP LEG TO THE EXTERIOR OF THE BUILDING IN THIS VICINITY. VERIFY EXACT LOCATION WITH OWNER PRIOR TO ROUGH-IN.

CONTRACTOR SHALL REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR ALL EXPOSED CEILINGS. CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL PIPING REFRIGERANT LINES, DUCTWORK, ETC. IS INSTALLED NEATLY IN EXPOSED AREAS. PROVIDE ALL ADDITIONAL HANGERS AND SUPPORTS AS NEEDED FOR NEAT INSTALLATION.

STRUCTURE WITH C-CLAMPS AND CLEVIS HANGERS (DO NOT WELD THE SUPPORTS TO THE STRUCTURE.) PROVIDE DIELECTRIC BUSHINGS BETWEEN DISSIMILAR METALS. ALL DOMESTIC WATER PIPING SHALL BE INSULATED PER SPECIFICATIONS. COMPRESSED AIR LINES SHALL BE SLOPED TO DRAIN AT CORNER OF BUILDING AS SHOWN.

ALL EXPOSED DOMESTIC WATER LINES SHALL BE PROVIDED WITH PVC JACKETING PER SPECIFICATIONS. COLOR BY ARCHITECT.

ALL COMPRESSED AIR, WATER, NATURAL GAS, AND SPRINKLER
PIPING IN 112 TRAFFIC/COMM PRODUCTION, 113 SIGN
PRODUCTION, 133 CARPENTRY SHOP, 217 VEHICLE
MAINTENANCE, AND 219 FIRE MAINTENANCE SHOP SHALL BE
PAINTED AND LABELED AS FOLLOWS:

SPRINKLER - RED WITH WHITE LETTERING
NATURAL GAS - RED WITH BLACK LETTERING
COMPRESSED AIR - BLUE WITH WHITE LETTERING
DOMESTIC COLD WATER - GREEN WITH WHITE LETTERING
DOMESTIC HOT WATER - ORANGE WITH WHITE LETTERING

ALL WORK SHALL BE IN ACCORDANCE WITH APPLICABLE LOCAL, STATE, AND FEDERAL CODES (INCLUDING INTERNATIONAL PLUMBING CODE, INTERNATIONAL BUILDING CODE, NFPA, ETC.) AND APPLICABLE DEQ AND DHPH REGULATIONS TO THE SATISFACTION OF THE AUTHORITIES HAVING JURISDICTION. CONTRACTOR SHALL OBTAIN REQUIRED PERMITS AND APPROPRIATE WORK AUTHORIZATION PRIOR TO BEGINNING WORK.

CONTRACTOR SHALL SHALL VERIFY EXACT LOCATION OF UTILITIES, INVERT ELEVATIONS, ETC. PRIOR TO BEGINNING ANY ROUGH-IN OF SUBSURFACE WORK. COORDINATE ALL UTILITY TIE-IN REQUIREMENTS WITH RESPECTIVE UTILITIES.

REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS, DETAILS, ETC. INSTALL WORK TO CONFORM TO ARCHITECTURAL AND STRUCTURAL DRAWINGS AS REQUIRED. REVIEW COMPLETE SET OF CONTRACT DOCUMENTS PRIOR TO SUBMITTING BID.

CONTRACTOR SHALL RUN ALL THE UTILITIES (WATER, SEWER, ETC.) AROUND NEW CONSTRUCTION AREA AS INDICATED PRIOR TO SHUTTING DOWN OR TIE-ING INTO ANY SYSTEMS. COORDINATE ALL UTILITY SERVICE DISRUPTIONS TO OTHER UTILITY CUSTOMERS WITH RESPECTIVE UTILITY. ALL UTILITY RELOCATION (SUCH AS WATER) SHALL BE DONE IN STRICT COMPLIANCE WITH UTILITY COMPANY STANDARDS AND REQUIREMENTS. CONTACT UTILITY COMPANY AND VERIFY AND (DOCUMENT) REQUIREMENTS, COST, CHARGES, ETC.. CONTRACTOR SHALL FULLY COORDINATE WITH ALL UTILITY COMPANY REQUIREMENTS.

COORDINATE ALL WORK THROUGH GENERAL CONTRACTOR. COORDINATE CUTTING, PATCHING, TRENCHING WORK WITH SITE GRADING/PAVING PLAN.

COORDINATE INSTALLATION OF ALL PLUMBING, PIPING, ETC. WITH STRUCTURE.

- REFER TO PLUMBING SITE PLAN P.1.0 FOR CONTINUATION.
- 2 TAP OFF LAVATORY P-TRAMP WITH 1/2" CHROME LINE TO WALL AND CONTINUE IN WALL WITH 1/2" SOTF COPPER LINE TO BELOW GRADE TO TRAP PRIMER CONNECTION ON FLOOR DRAIN. ALL EXPOSED SUPPLY LINE SHALL BE CHROME (DEARBORN 831-R OR EQUAL P-TRAMP TYPE).
- 3 3/4" COLD WATER LINE DOWN IN WALL AND OUT TO HOSE BIBB. PROVIDE BALL TYPE CUTOFF VALVE IN ACCESSIBLE LOCATION.
- 4 PROVIDE A CUTOFF VALVE IN A LAST INRINER VALVE BOX WITH METAL COVER MARKED "WATER". USE 1/2" SPRINKLER RIG AND CONTINUE WITH INSULATED WATER LINES ABOVE CEILING. COORDINATE LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
- 5 INSTALL WATER HEATER IN DRAIN PAN ON FLOOR. RUN WATER HEATER RELIEF LINE FULL SIZE TO FLOOR DRAIN WITH 2" AIR GAP. RUN EMERGENCY DRAIN PAN FRAIN LINE TO FLOOR DRAIN WITH 2" AIR GAP. PROVIDE HOT WATER RECIRC PUMP WITH AQUASTAT, TIMER, AND CIRCUIT SETTER.
- 6 COORDINATE ROUTING OF ALL PLUMBING TO AVOID RUNNING OVER ALL CONTROL AND ELECTRICAL PANELS. COORDINATE IN THE FIELD WITH MECHANICAL AND ELECTRICAL CONTRACTORS PRIOR TO ROUGH-IN.
- 7 PROVIDE INSULATED HUB DRAIN ON WALL FOR GRAVITY FED DUCTLESS SPLIT SYSTEM CONDENSATE DRAIN. INSULATE DOWN TO BELOW SLAB. REFER TO DETAIL #5 SHEET P4.1. DO NOT ROUTE HUB DRAIN OVER ELECTRICAL OR CONTROLS EQUIPMENT. COORDINATE EXACT ELEVATION AND LOCATION IN FIELD WITH MECHANICAL AND ELECTRICAL CONTRACTORS PRIOR TO ROUGH-IN.
- 8 PROVIDE INSULATED HUB DRAIN ABOVE CEILING FOR INDOOR UNIT CONDENSATE DRAIN. INSULATE DOWN TO BELOW SLAB. REFER TO DETAIL #5 SHEET P4.1. COORDINATE EXACT ELEVATION AND LOCATION IN FIELD WITH MECHANICAL CONTRACTORS PRIOR TO ROUGH-IN.
- 9 COORDINATE EXACT SHOWER HEAD AND TRENCH DRAIN LOCATIONS AND TRENCH DRAIN SIZE WITH ARCHITECT'S PLANS AND TO MEET ADA REQUIREMENTS PRIOR TO ROUGH-IN.
- 0 PROVIDE A BALL TYPE CUTOFF VALVE ABOVE ACCESSIBLE CEILING FOR ISOLATION. (TYPICAL)



Brossett
Architect



Brossett Architect, LLC • 414 Pujo St., Lake Charles, LA 70601

**LAKE CHARLES PUBLIC WORKS
NEW FACILITY PHASE 2**

4200 BROAD STREET
LAKE CHARLES, LA 70615

LAKE CHARLES, LA 70613
PLUMBING PLAN - CREW BUILDING

SHEET NO.

P2.1

ARCH #24009 BA

VER.	DATE	DESCRIPTION
0	12/20/2025	CONSTRUCTION DOCUMENTS

© COPYRIGHT 2025,
Brossett Architect, LLC
All Rights Reserved.
This document shall not be
copied or reproduced
without written permission.

CONSTRUCTION DOCUMENTS



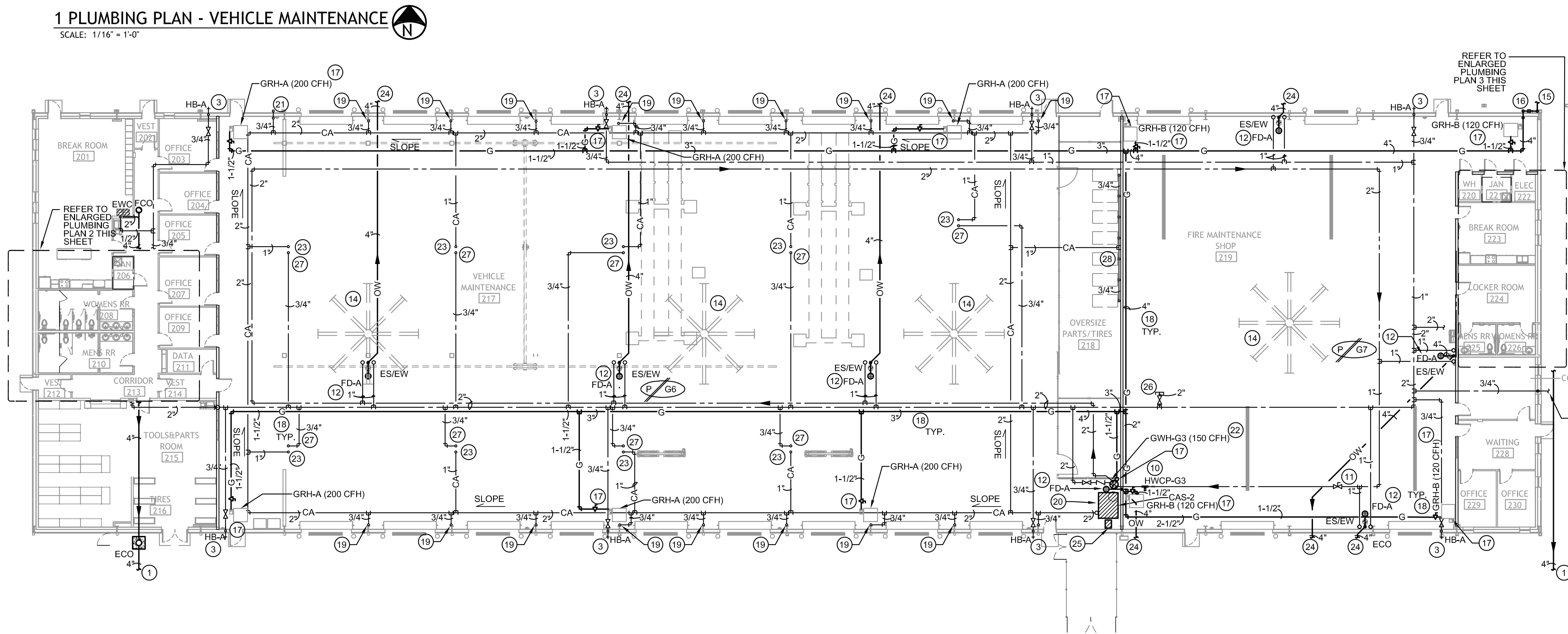
ASSOCIATED DESIGN GROUP, INC.

3909 W Congress Street, Suite 201
Lafayette, Louisiana 70506
Phone: (337) 234-5710
Email: adginc@adginc.org

Project No. 25082

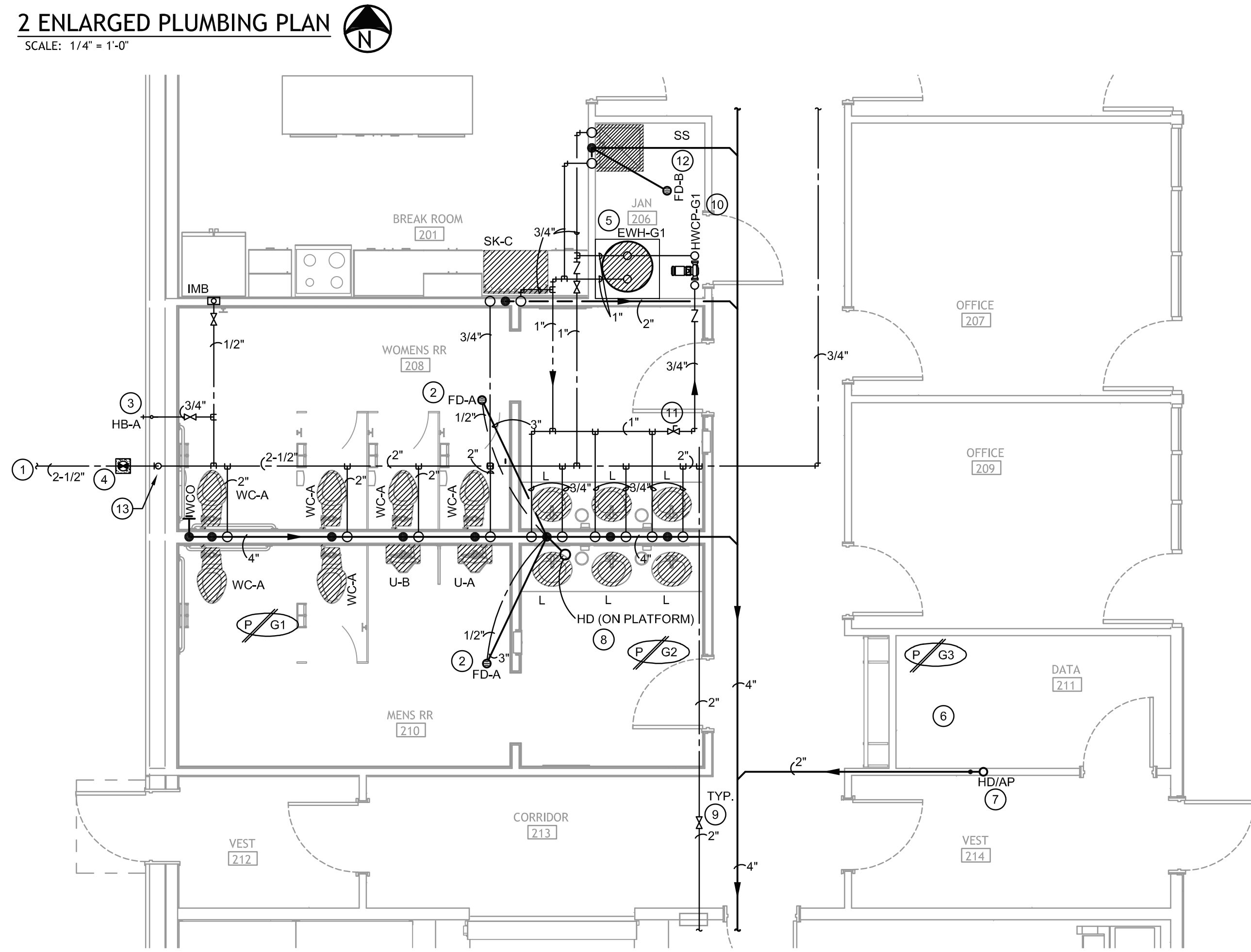
1 PLUMBING PLAN - VEHICLE MAINTENANCE

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



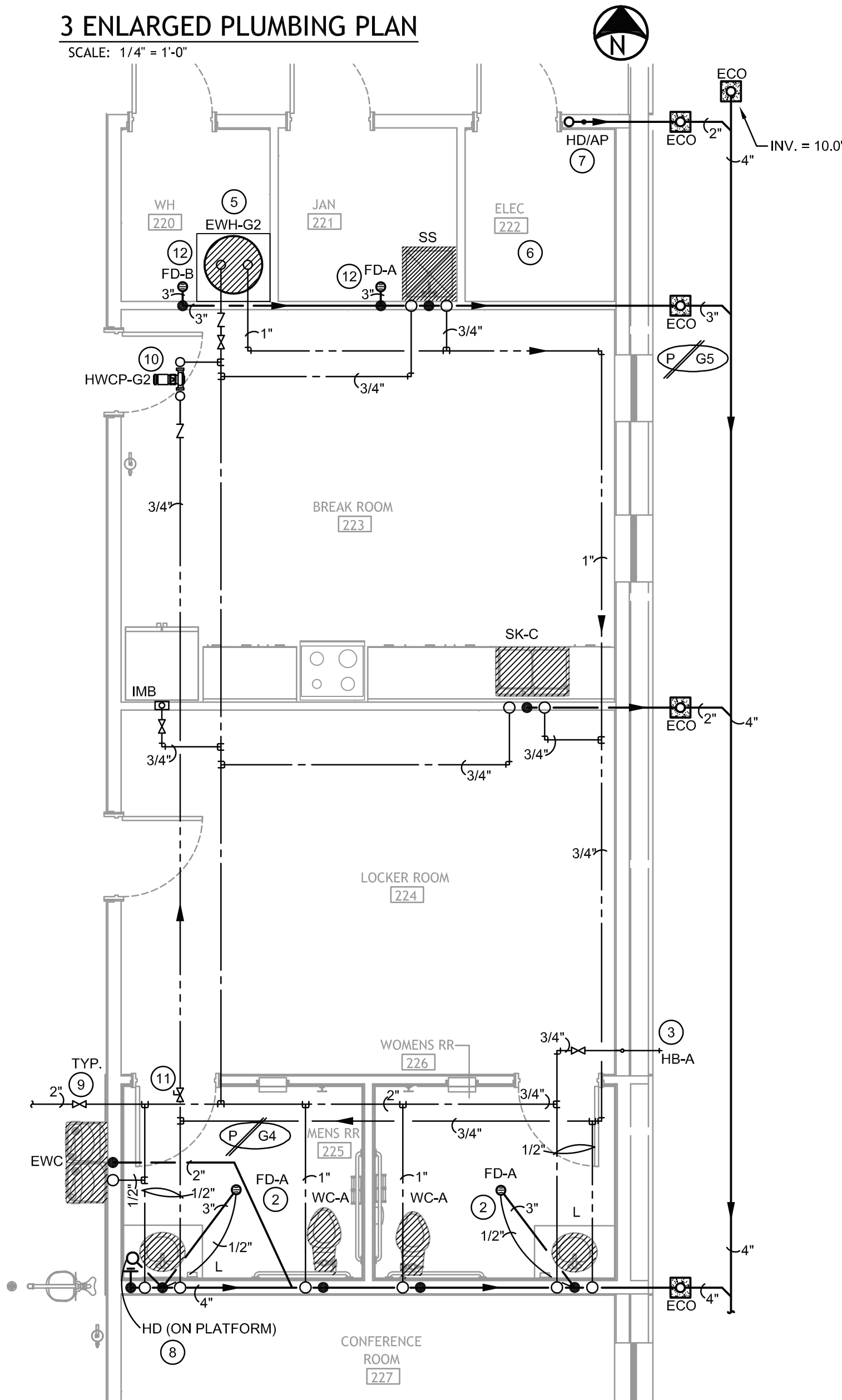
2 ENLARGED PLUMBING PLAN

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



3 ENLARGED PLUMBING PLAN

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



PLUMBING GENERAL NOTES:

- ALL WORK SHALL BE IN ACCORDANCE WITH APPLICABLE LOCAL, STATE, AND FEDERAL CODES (INCLUDING INTERNATIONAL PLUMBING CODE, INTERNATIONAL BUILDING CODE, NFPA, ETC.) AND APPLICABLE DEQ AND DHQP REGULATIONS TO THE SATISFACTION OF THE AUTHORITIES HAVING JURISDICTION. CONTRACTOR SHALL OBTAIN REQUIRED PERMITS AND APPROPRIATE WORK AUTHORIZATION PRIOR TO BEGINNING WORK.
- CONTRACTOR SHALL VERIFY EXACT LOCATION OF UTILITIES, INVERT ELEVATIONS, ETC. PRIOR TO BEGINNING ANY ROUGH-IN OF SUBSURFACE WORK. COORDINATE ALL UTILITY TIE-IN REQUIREMENTS WITH RESPECTIVE UTILITIES.
- REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS, DETAILS, ETC. INSTALL WORK TO CONFORM TO ARCHITECTURAL AND STRUCTURAL DRAWINGS AS REQUIRED. REVIEW COMPLETE SET OF CONTRACT DOCUMENTS PRIOR TO SUBMITTING BID.
- CONTRACTOR SHALL RUN ALL NEW UTILITIES (WATER, SEWER, ETC.) AROUND NEW CONSTRUCTION AREA AS INDICATED PRIOR TO SHUTTING DOWN OR TIEING INTO ANY SYSTEMS. COORDINATE ALL UTILITY SERVICE DISRUPTIONS TO OTHER UTILITY CUSTOMERS WITH RESPECTIVE UTILITY. ALL UTILITY RELOCATION (SUCH AS WATER) SHALL BE DONE IN STRICT COMPLIANCE WITH UTILITY COMPANY STANDARDS AND REQUIREMENTS. CONTACT UTILITY COMPANY AND VERIFY AND (DOCUMENT) REQUIREMENTS, COST, CHARGES, ETC.. CONTRACTOR SHALL FULLY COMPLY WITH ALL UTILITY COMPANY REQUIREMENTS.
- COORDINATE ALL WORK THROUGH GENERAL CONTRACTOR. COORDINATE CUTTING, PATCHING, TRENCHING WORK WITH SITE GRADING/PAVING PLAN.
- COORDINATE INSTALLATION OF ALL PLUMBING, PIPING, ETC. WITH STRUCTURE.

PLUMBING KEYNOTES:

- REFER TO PLUMBING SITE PLAN P1.0 FOR CONTINUATION.
- TAP OFF LAVATORY P-TRAP WITH 1/2" CHROME LINE TO WALL AND CONTINUE IN WALL WITH 1/2" SOFT COPPER LINE TO BELOW GRADE TO TRAP PRIMER CONNECTION ON FLOOR DRAIN. ALL EXPOSED SUPPLY LINE SHALL BE CHROME (DEARBORN 831-1 OR EQUAL P-TRAP TYPE).
- 3/4" COLD WATER LINE DOWN IN WALL AND OUT TO HOSE BIBB. PROVIDE BALL TYPE CUTOFF VALVE IN ACCESSIBLE LOCATION.
- PROVIDE A CUTOFF VALVE IN A CAST IRON VALVE BOX WITH METAL COVER MARKED "WATER". COORDINATE LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
- INSTALL WATER HEATER IN DRAIN PAN ON FLOOR. RUN WATER HEATER RELIEF LINE FULL SIZE TO FLOOR DRAIN WITH 2" AIR GAP. RUN EMERGENCY DRAIN PAN DRAIN LINE TO FLOOR DRAIN WITH 2" AIR GAP. PROVIDE HOT WATER RECIRC PUMP WITH AQUASTAT, TIMER, AND CIRCUIT SETTER.
- COORDINATE ROUTING OF ALL PLUMBING TO AVOID RUNNING OVER ALL CONTROL AND ELECTRICAL PANELS. COORDINATE IN THE FIELD WITH MECHANICAL AND ELECTRICAL CONTRACTORS PRIOR TO ROUGH-IN.
- PROVIDE INSULATED HUB DRAIN ON WALL FOR GRAVITY FED DUCTLESS SPLIT SYSTEM CONDENSATE DRAIN. INSULATE DOWN TO BELOW SLAB. REFER TO DETAIL #5 SHEET P4.1. DO NOT ROUTE HUB DRAIN OVER ELECTRICAL OR CONTROLS EQUIPMENT. COORDINATE EXACT ELEVATION AND LOCATION IN FIELD WITH MECHANICAL AND ELECTRICAL CONTRACTORS PRIOR TO ROUGH-IN.
- PROVIDE INSULATED HUB DRAIN ABOVE CEILING FOR INDOOR UNIT CONDENSATE DRAIN. INSULATE DOWN TO BELOW SLAB. REFER TO DETAIL #5 SHEET P4.1. COORDINATE EXACT ELEVATION AND LOCATION IN FIELD WITH MECHANICAL CONTRACTORS PRIOR TO ROUGH-IN.
- PROVIDE A BALL TYPE CUTOFF VALVE ABOVE ACCESSIBLE CEILING FOR ISOLATION. (TYPICAL)
- PROVIDE HOT WATER CIRCULATOR PER DETAILS #10 ON SHEET P4.1. INTERLOCK RECIRC PUMP WITH HOT WATER HEATER PER MANUFACTURER'S INSTALLATION INSTRUCTIONS WITH TIMER AND AQUASTAT. COORDINATE TIMER SETTING WITH OWNER.
- INSTALL CALIBRATED BALANCING VALVE APPROXIMATELY WHERE SHOWN. BALANCE TO 1.0 GPM.
- PROVIDE PRO-SET TRAP GUARD TRAP PRIMER IN FLOOR DRAIN.
- RUN 2-1/2" DOMESTIC COLD WATER LINE UP FROM BELOW SLAB. CONTINUE UP AND RUN ABOVE CEILING.
- COORDINATE LOCATION OF ALL WATER, GAS, AND COMPRESSED AIR LINES WITH HIGH VOLUME/LOW SPEED FAN IN THIS VICINITY PRIOR TO INSTALLATION. REFER TO MECHANICAL PLANS FOR EXACT LOCATION.
- COORDINATE POTENTIAL GAS LINE ROUTING ON SITE BY LOCAL GAS COMPANY. COORDINATE EXACT ROUTING WITH OWNER AND LOCAL GAS COMPANY FOR RIGHT OF WAYS, CONCRETE DRIVEWAYS, ETC. PLUMBING CONTRACTOR SHALL PAY FOR SERVICE LINE FROM GAS MAIN TO METER. COORDINATE WITH LOCAL GAS CO. PRIOR TO BID. REFER TO P1.0 FOR CONTINUATION.
- GAS METER AND REGULATOR BY LOCAL GAS COMPANY (1,830 CFH DEMAND @ 7" W.C.). CONTRACTOR SHALL PAY FOR ALL SERVICE AND CONNECTION CHARGES, INCLUDING METER AND REGULATOR COST. CONTACT LOCAL GAS CO. PRIOR TO BID FOR ESTIMATE OF SERVICE AND CONNECTION CHARGES. PENETRATE EXTERIOR WALL WITH SLEEVE, RISE UP ALONG WALL WITH 4" GAS LINE TO MAX HEIGHT, NATURAL GAS PIPING SHALL BE PAINTED AND LABELED PER ANSI/OSHA REQUIREMENTS. PROVIDE PIPE HANGERS FOR ALL GAS PIPING. INSTALLATION SHALL COMPLY WITH NFPA 54 REQUIREMENTS. NATURAL GAS PIPING SHALL BE LEAK TESTED.
- RUN 1-1/2" GAS LINE TO EACH RADIANT HEATER AND GAS FIRED WATER HEATER AND MAKE FINAL CONNECTION PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. PROVIDE CUTOFF VALVE AND DRIP LEG AT CONNECTION TO UNIT HEATER/WATER HEATER. COORDINATE EXACT LOCATIONS IN FIELD WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
- GAS PIPING ROUTING SHALL BE IN ACCESSIBLE IN VENTILATED AREAS PER CODE. DO NOT INSTALL PIPING IN CONCEALED AREAS. (TYPICAL)
- DROP 3/4" COMPRESSED AIR LINE DOWN ALONG WALL TO 3'-0" A.F.F. PROVIDE BALL TYPE CUTOFF VALVE IN LINE AT 5'-0" A.F.F. THE VALVE QUICK CONNECT FITTINGS SHALL BE FURNISHED & INSTALLED BY OWNER. REFER TO DETAIL. COORDINATE TYPE AND LOCATION WITH EQUIPMENT AND OWNER PRIOR TO ROUGH-IN.
- PROVIDE AND INSTALL RECIPROCATING DUPLEX AIR COMPRESSOR AT THIS APPROXIMATE LOCATION. DROP 2" AIR LINE DOWN TO AIR COMPRESSORS AND DRYER. PROVIDE CUTOFF VALVE, REGULATOR, CAP, AUTO DRAIN VALVE, AND DRIP LEG. ROUTE DRAIN LINE TO FLOOR DRAIN WITH 2" AIR GAP. REFER TO SCHEDULES FOR ADDITIONAL INFORMATION.
- PROVIDE DRIP LEG TO THE EXTERIOR OF THE BUILDING IN THIS VICINITY. VERIFY EXACT LOCATION WITH OWNER PRIOR TO ROUGH-IN.
- INSTALL WATER HEATER IN DRAIN PAN ON FLOOR. RUN WATER HEATER RELIEF LINE FULL SIZE TO FLOOR DRAIN WITH 2" AIR GAP. RUN EMERGENCY DRAIN PAN DRAIN LINE TO FLOOR DRAIN WITH 2" AIR GAP. PROVIDE HOT WATER RECIRC PUMP WITH AQUASTAT, TIMER, AND CIRCUIT SETTER. PROVIDE THERMOSTATIC MIXING VALVE AND CONDENSATE NEUTRALIZATION KIT, REFER TO DETAILS.
- DROP 1" COMPRESSED AIR LINE DOWN TO RAPIDAIR R-05050 HOSE REEL AT MAX HEIGHT PROVIDE CUT OFF VALVE AT HOSE REEL CONNECTION. COORDINATE EXACT LOCATION WITH LIGHTING, ETC. PROVIDE HANGARS FOR HOSE REELS AND COMPRESSED AIR PIPING AND SECURE TO STRUCTURE.
- REFER TO CIVIL PLANS FOR CONTINUATION OF EMERGENCY SHOWER DRAIN LINES.
- PROVIDE AND INSTALL AIR COOLED COMPRESSED AIR DRYER AT THIS APPROXIMATE LOCATION. ROUTE DRAIN LINE TO FLOOR DRAIN WITH 2" AIR GAP. REFER TO SCHEDULES FOR ADDITIONAL INFORMATION.
- VALVE AND CAP 2" DOMESTIC COLD WATER LINE FOR TENANT USE.
- DROP 3/4" DOMESTIC COLD WATER LINE DOWN TO REELCRAFT 7850 OLP HOSE REEL AT MAX HEIGHT PROVIDE CUT OFF VALVE AT HOSE REEL CONNECTION. COORDINATE EXACT LOCATION WITH LIGHTING, ETC. PROVIDE HANGARS FOR HOSE REELS AND COMPRESSED AIR PIPING AND SECURE TO STRUCTURE.
- DROP DOWN WITH 1" COMPRESSED AIR LINE AND RUN 3/4" COMPRESSED AIR LINE ALONG WALL BEHIND OIL TANKS. PROVIDE VALVES AND QUICK CONNECT FITTINGS FOR CONNECTIONS TO OIL TANK AIR SUPPLIES.

NOTE:

CONTRACTOR SHALL REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR ALL EXPOSED CEILINGS. CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL PIPING, REFRIGERANT LINES, DUCTWORK, ETC. IS INSTALLED NEATLY IN EXPOSED AREAS. PROVIDE ALL ADDITIONAL HANGERS AND SUPPORTS AS NEEDED FOR NEAT INSTALLATION.

NOTE:

RUN ALL DOMESTIC WATER, COMPRESSED AIR AND NATURAL GAS LINES AT MAXIMUM HEIGHT TO CLEAR ROLL UP DOORS AND CRANES. SECURE PIPING TO STRUCTURE WITH C-CLAMPS AND CIS-HANGERS (DO NOT WELD THE SUPPORTS TO THE STRUCTURE.) PROVIDE DIELECTRIC BUSINGS BETWEEN DISSIMILAR METALS. ALL DOMESTIC WATER PIPING SHALL BE INSULATED PER SPECIFICATIONS. COMPRESSED AIR LINES SHALL BE SLOPED TO DRAIN AT CORNER OF BUILDING AS SHOWN.

NOTE:

ALL EXPOSED DOMESTIC WATER LINES SHALL BE PROVIDED WITH PVC JACKETING PER SPECIFICATIONS. COLOR BY ARCHITECT.

NOTE:

ALL COMPRESSED AIR, WATER, NATURAL GAS, AND SPRINKLER PIPING IN 112 TRAFFIC/COMA PRODUCTION, 113 SIGN PRODUCTION, 133 CARPENTRY SHOP, 217 VEHICLE MAINTENANCE, AND 219 FIRE MAINTENANCE SHOP SHALL BE PAINTED AND LABELED AS FOLLOWS:

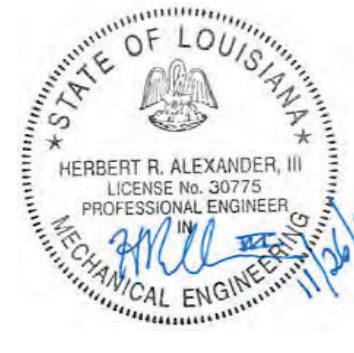
SPRINKLER - RED WITH WHITE LETTERING
NATURAL GAS - RED WITH BLACK LETTERING
COMPRESSED AIR - BLUE WITH WHITE LETTERING
DOMESTIC COLD WATER - GREEN WITH WHITE LETTERING
DOMESTIC HOT WATER - ORANGE WITH WHITE LETTERING



ASSOCIATED DESIGN GROUP, INC.
3909 W Congress Street, Suite 201
Lafayette, Louisiana 70506
Phone: (337) 234-5710
Email: adginc@adginc.org

Project No. 25082

CONSTRUCTION DOCUMENTS



Brossett Architect



Brossett Architect, LLC • 414 Pujo St., Lake Charles, LA 70601

LAKE CHARLES PUBLIC WORKS
NEW FACILITY PHASE 2

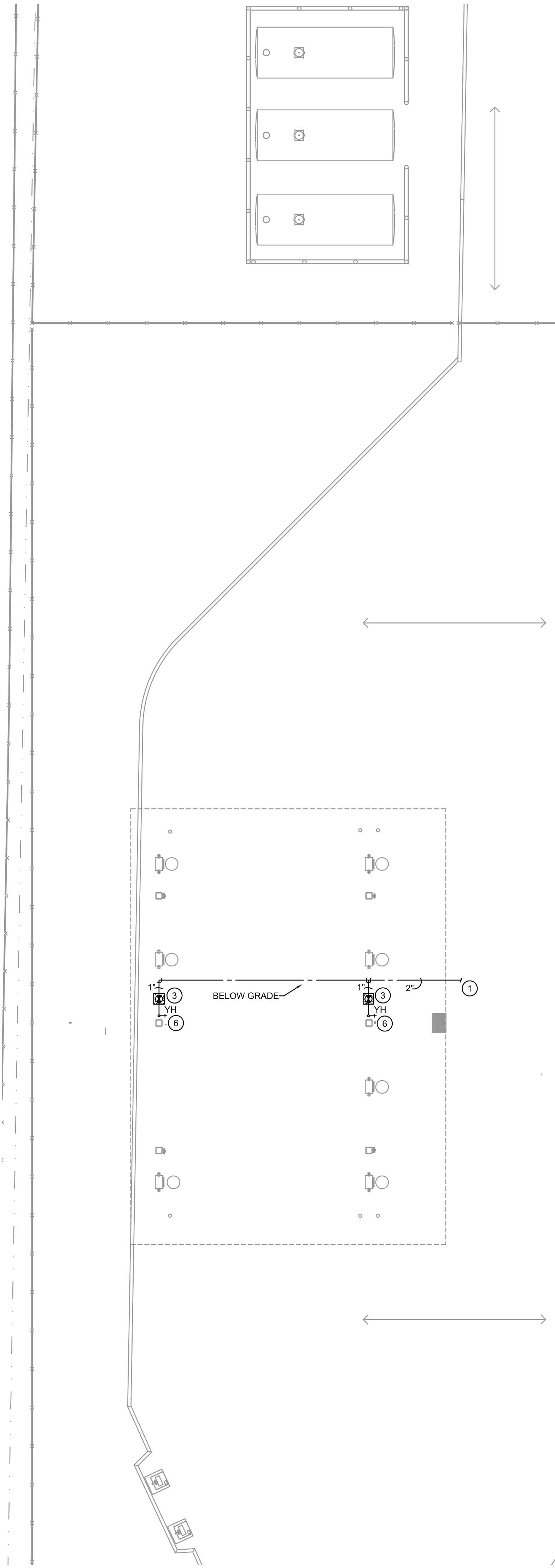
4200 BROAD STREET
LAKE CHARLES, LA 70615
PLUMBING PLAN - VEHICLE MAINTENANCE

P2.2

SHEET NO.

VER.	DATE	DESCRIPTION
0	12/20/2025	CONSTRUCTION DOCUMENTS

© COPYRIGHT 2025, Brossett Architect, LLC All Rights Reserved. This document shall not be copied or reproduced without written permission.



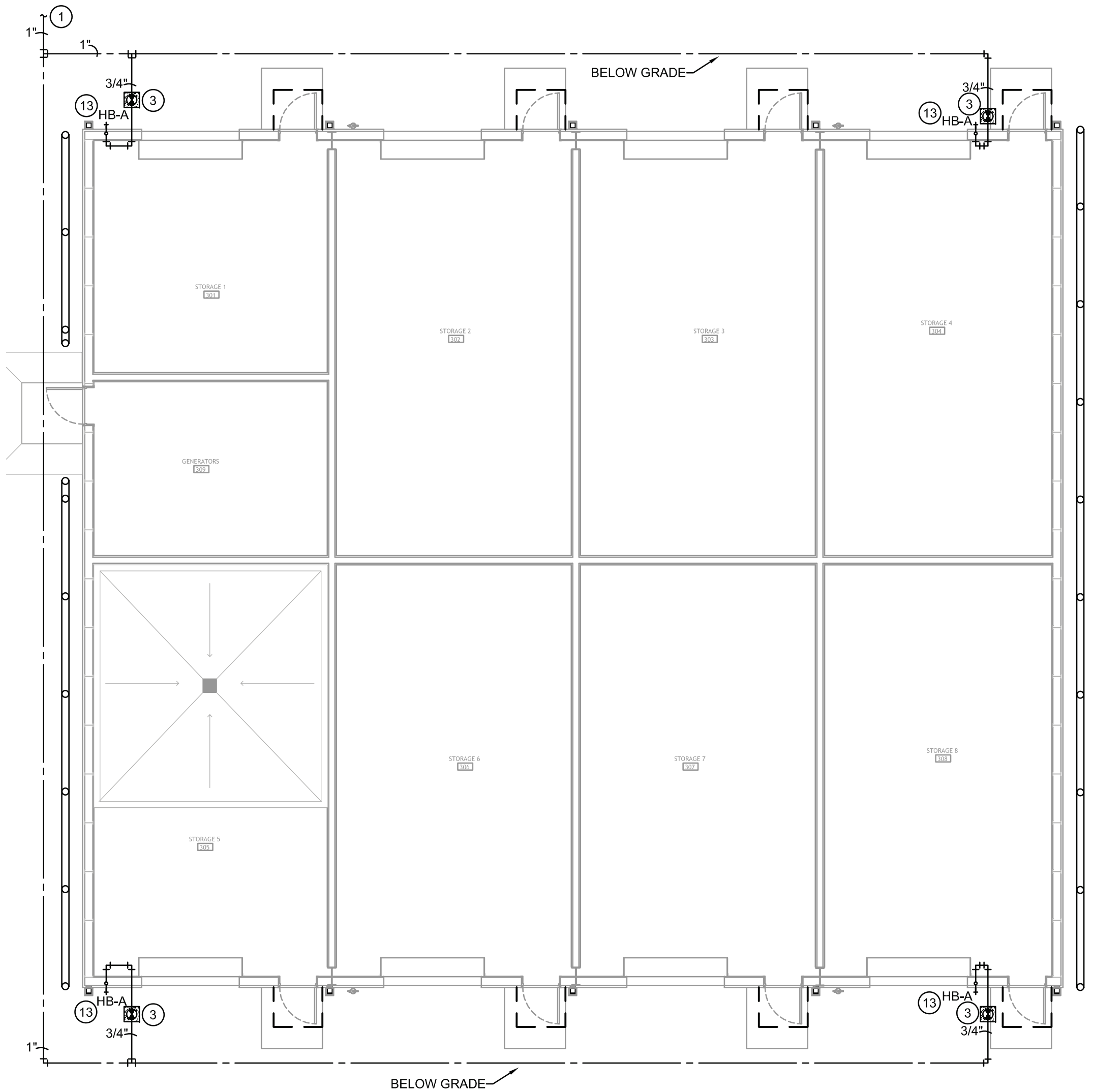
1 PLUMBING PLAN - FUEL STATION

SCALE: 3/32" = 1'-0"



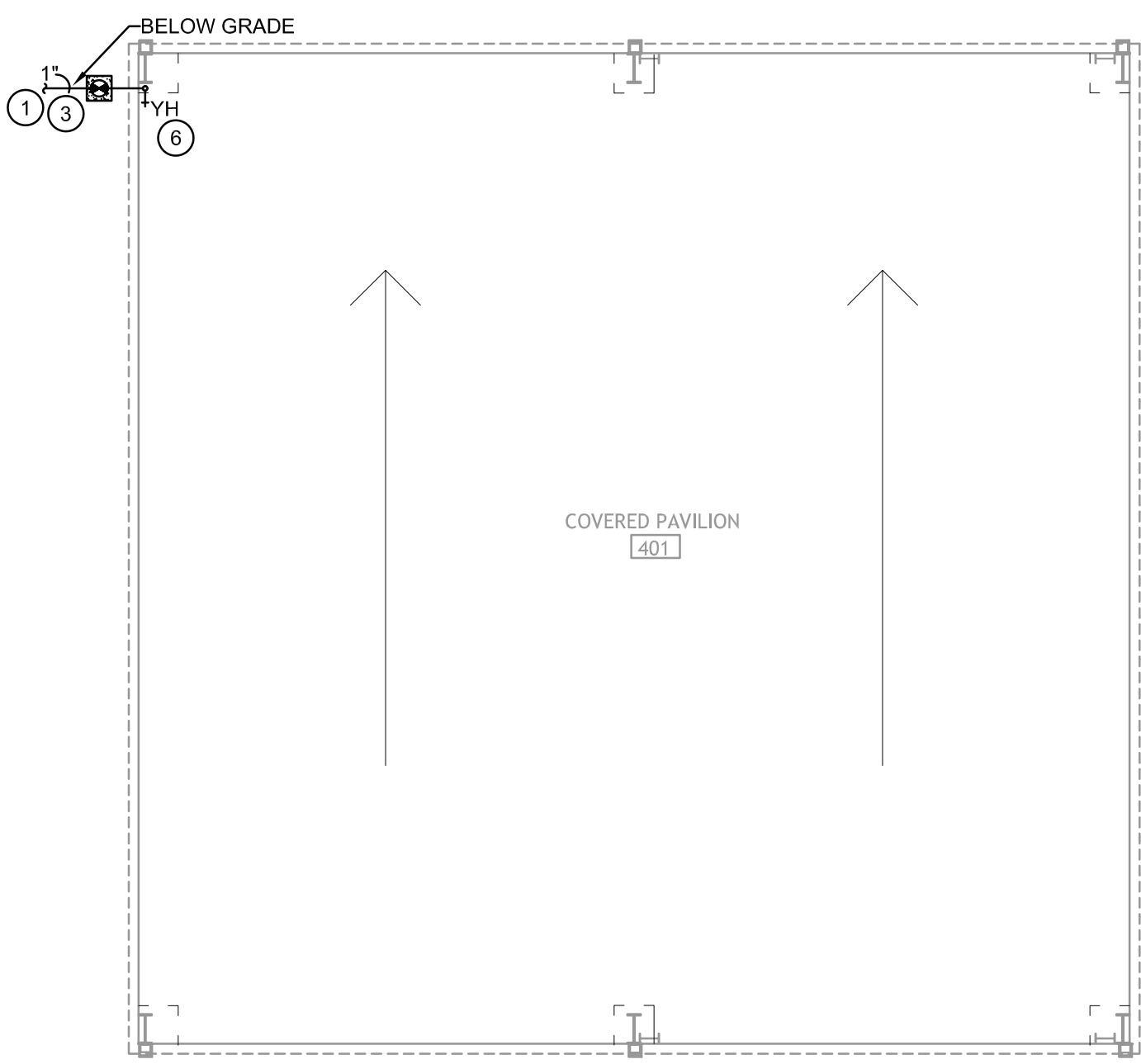
2 PLUMBING PLAN - STORAGE BUILDING

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



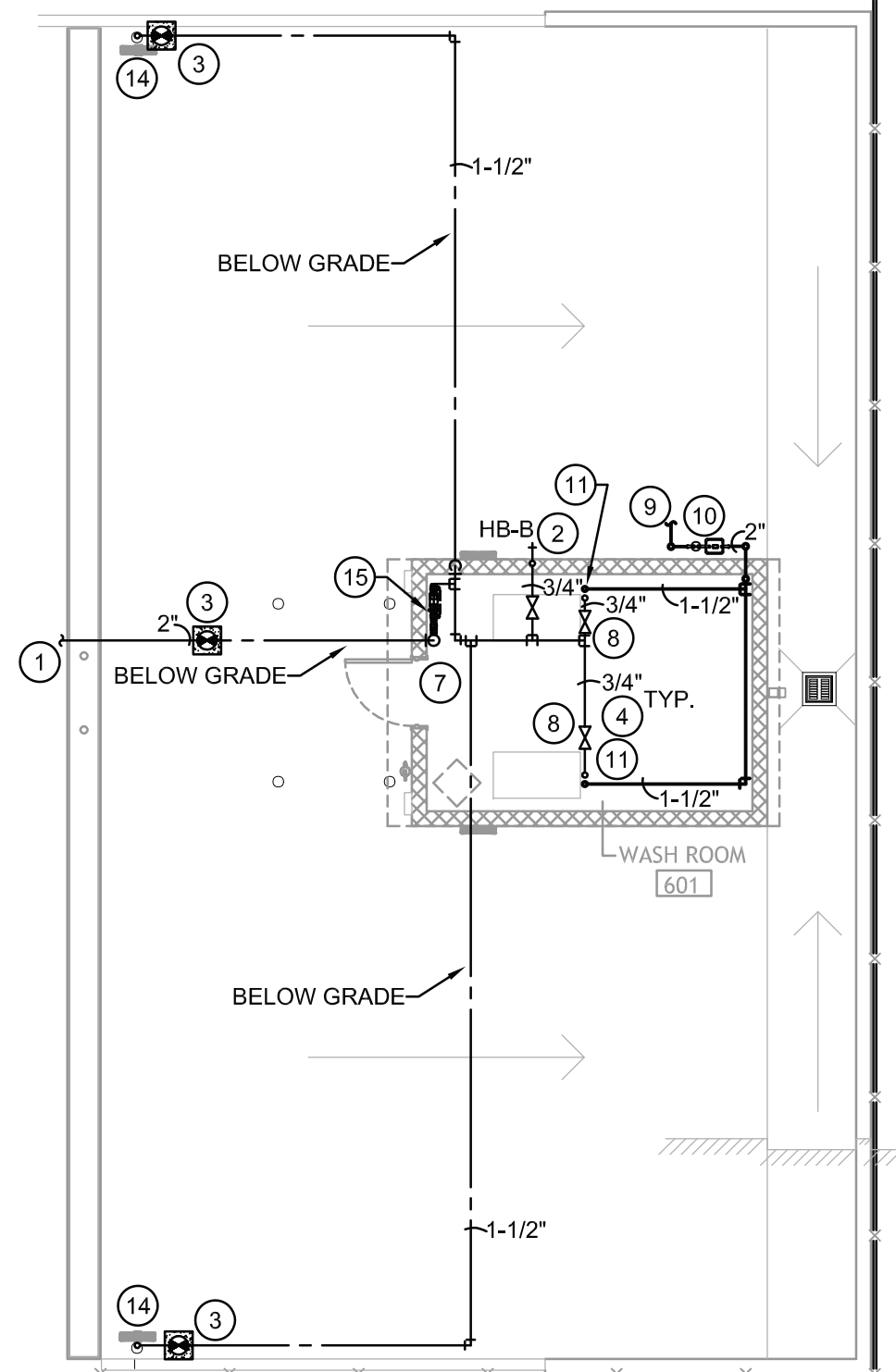
4 PLUMBING PLAN - PAVILION

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



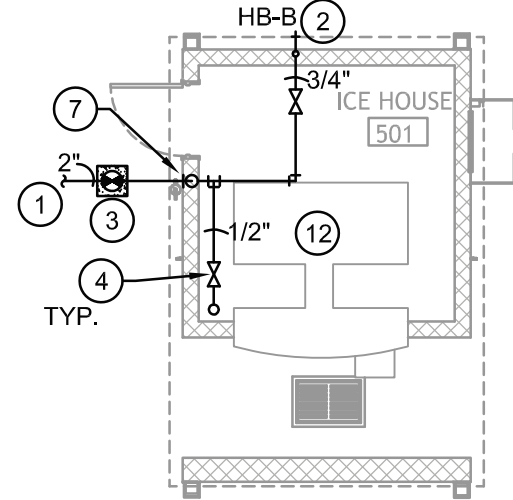
5 PLUMBING PLAN - WASH ROOM

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



3 PLUMBING PLAN - ICE HOUSE

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



PLUMBING GENERAL NOTES:

- ALL WORK SHALL BE IN ACCORDANCE WITH APPLICABLE LOCAL, STATE, AND FEDERAL CODES (INCLUDING INTERNATIONAL PLUMBING CODE, INTERNATIONAL BUILDING CODE, NFPA, ETC.) AND APPLICABLE DEQ AND DHHOP REGULATIONS TO THE SATISFACTION OF THE AUTHORITIES HAVING JURISDICTION. CONTRACTOR SHALL OBTAIN REQUIRED PERMITS AND APPROPRIATE WORK AUTHORIZATION PRIOR TO BEGINNING WORK.
- CONTRACTOR SHALL VERIFY EXACT LOCATION OF UTILITIES, INVERT ELEVATIONS, ETC. PRIOR TO BEGINNING ANY ROUGH-IN OF SUBSURFACE WORK. COORDINATE ALL UTILITY TIE-IN REQUIREMENTS WITH RESPECTIVE UTILITIES.
- REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS, DETAILS, ETC. INSTALL WORK TO CONFORM TO ARCHITECTURAL AND STRUCTURAL DRAWINGS AS REQUIRED. REVIEW COMPLETE SET OF CONTRACT DOCUMENTS PRIOR TO SUBMITTING BID.
- CONTRACTOR SHALL RUN ALL NEW UTILITIES (WATER, SEWER, ETC.) AROUND NEW CONSTRUCTION AREA AS INDICATED PRIOR TO SHUTTING DOWN OR TIE-ING INTO ANY SYSTEMS. COORDINATE ALL UTILITY SERVICE DISRUPTIONS TO OTHER UTILITY CUSTOMERS WITH RESPECTIVE UTILITY. ALL UTILITY RELOCATION (SUCH AS WATER) SHALL BE DONE IN STRICT COMPLIANCE WITH UTILITY COMPANY STANDARDS AND REQUIREMENTS. CONTACT UTILITY COMPANY AND VERIFY AND (DOCUMENT) REQUIREMENTS, COST, CHARGES, ETC.. CONTRACTOR SHALL FULLY COMPLY WITH ALL UTILITY COMPANY REQUIREMENTS.
- COORDINATE ALL WORK THROUGH GENERAL CONTRACTOR. COORDINATE CUTTING, PATCHING, TRENCHING WORK WITH SITE GRADING/PAVING PLAN.
- COORDINATE INSTALLATION OF ALL PLUMBING, PIPING, ETC. WITH STRUCTURE.

PLUMBING KEYNOTES:

- REFER TO PLUMBING SITE SHEET P1.0 FOR CONTINUATION.
- 3/4" COLD WATER LINE DOWN IN WALL AND OUT TO HOSE BIBB. PROVIDE BALL TYPE CUTOFF VALVE IN ACCESSIBLE LOCATION.
- PROVIDE A CUTOFF VALVE IN A CAST IRON VALVE BOX WITH METAL COVER MARKED "WATER".
- PROVIDE A BALL TYPE CUTOFF VALVE ABOVE ACCESSIBLE CEILING FOR ISOLATION. (TYPICAL)
- 1" DOMESTIC COLD WATER DROPS DOWN APPROXIMATELY WHERE SHOWN AND CONTINUES BELOW GRADE.
- 1" COLD WATER LINE UP FROM BELOW GRADE AND OUT TO HOSE BIBB/YARD HYDRANT.
- 2" DOMESTIC COLD WATER RISES UP APPROXIMATELY WHERE SHOWN AND CONTINUE WITH INSULATED WATER LINE AT MAX HEIGHT. COORDINATE LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
- DROP 3/4" DOMESTIC COLD WATER LINE DOWN TO PRESSURE WASHER PROVIDED BY OTHERS. COORDINATE EXACT LOCATION WITH OWNER/ARCHITECT. ROUTE DRAIN LINE FROM PRESSURE WASHER FULL SIZED TO EXTERIOR.
- COORDINATE POTENTIAL GAS LINE ROUTING ON SITE BY LOCAL GAS COMPANY. COORDINATE EXACT ROUTING WITH OWNER AND LOCAL GAS COMPANY FOR RIGHT OF WAYS, CONCRETE DRIVEWAYS, ETC. PLUMBING CONTRACTOR SHALL PAY FOR SERVICE LINE FROM GAS MAIN TO METER. COORDINATE WITH LOCAL GAS CO. PRIOR TO BID. REFER TO P1.0 FOR CONTINUATION.
- GAS METER AND REGULATOR BY LOCAL GAS COMPANY (880 CFH DEMAND @ 7" W.C.). CONTRACTOR SHALL PAY FOR ALL SERVICE AND CONNECTION CHARGES, INCLUDING METER AND REGULATOR COST. CONTACT LOCAL GAS CO. PRIOR TO BID FOR ESTIMATE OF SERVICE AND CONNECTION CHARGES. PENETRATE EXTERIOR WALL WITH SLEEVE, RISE UP ALONG WALL WITH 2" GAS LINE TO MAX HEIGHT. NATURAL GAS PIPING SHALL BE PAINTED AND LABELED PER ANSI/OSHA REQUIREMENTS. PROVIDE PIPE HANGERS FOR ALL GAS PIPING. INSTALLATION SHALL COMPLY WITH NFPA 54 REQUIREMENTS. NATURAL GAS PIPING SHALL BE LEAK TESTED.
- RUN 2" GAS LINE TO EACH OWNER PROVIDED GAS FIRED PRESSURE WASHER AND MAKE FINAL CONNECTION PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. PROVIDE CUTOFF VALVE AND DRIP LEG AT CONNECTION TO PRESSURE WASHER. COORDINATE EXACT LOCATIONS IN FIELD WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
- MAKE FINAL DOMESTIC COLD WATER CONNECTION FULL SIZED TO OWNER PROVIDED ICE MACHINE WITH VACUUM BREAKER. ROUTE DRAIN LINE FROM ICE MACHINE FULL SIZED TO EXTERIOR.
- 3/4" COLD WATER LINE UP IN WALL FROM BELOW GRADE AND OUT TO HOSE BIBB.
- HOSE REEL BY PROVIDED BY CONTRACTOR. REFER TO ARCHITECTURAL PLANS.
- PROVIDE AND INSTALL A 2" WATTS SERIES LF009-QT REDUCED PRESSURE ZONE BACKFLOW PREVENTER (DOMESTIC WATER) ABOVE GRADE IN HEATED WASH ROOM IN THIS VICINITY. BACKFLOW PREVENTER SHALL HAVE BRONZE STRAINER, STAINLESS STEEL CHECK SEATS, BALL TYPE CUTOFF VALVES, SPRING LOADED "Y" PATTERN CHECK VALVES, RELIEF VALVE, TEST COCKS, DRAIN FITTING AND SHALL CONFORM TO ALL CODES. COORDINATE EXACT LOCATION WITH ARCHITECTURAL SITE PLAN AND GENERAL CONTRACTOR PRIOR TO INSTALLATION. PROVIDE DRAIN WITH AIR GAP PIPED TO EXTERIOR.



ASSOCIATED DESIGN GROUP, INC.
3909 W Congress Street, Suite 201
Lafayette, Louisiana 70506
Phone: (337) 234-5710
Email: adginc@adginc.org

Project No. 25082

CONSTRUCTION DOCUMENTS



Brossett
Architect



Brossett Architect, LLC • 414 Pujo St., Lake Charles, LA 70601

LAKE CHARLES PUBLIC WORKS
NEW FACILITY PHASE 2

4200 BROAD STREET
LAKE CHARLES, LA 70615

PLUMBING PLANS - BUILDINGS D, I AND J

SHEET NO.

P2.3

ARCH #24009 BA

VER.	DATE	DESCRIPTION
0	12/20/2025	CONSTRUCTION DOCUMENTS

© COPYRIGHT 2025,
Brossett Architect, LLC
All Rights Reserved.
This document shall not be
copied or reproduced
without written permission.

PLUMBING FIXTURE SCHEDULE									
MARK DESCRIPTION	MFGRS & MODEL NUMBERS	SERVICES		(INCHES)		REMARKS			
		WASTE	VENT	HW	CW				
WC-A WATER CLOSET MANUAL FLUSH VALVE FLOOR MOUNT ADA	KOHLER 96057 SLOAN REGAL 111-1.6 OLSONITE 10CC	4"	3"	--	1"	WHITE, VITREOUS CHINA, ELONGATED BOWL, SIPHON JET 1.6 GAL FLUSH FLOOR MOUNT WATER CLOSET WITH ELONGATED BOWL AND 1-1/2" TOP SPUD AND BOLT CAPS, WHITE OPEN FRONT SEAT WITH CHECK HINGE LESS COVER, AND 1.6 GALLON FLUSH VALVE WITH VACUUM BREAKER AND STOP. INSTALL FLUSH VALVE HANDLE ON WIDE SIDE OF STALL.			
U-A URINAL	KOHLER 4991-ET-0 SLOAN REGAL 186-1.0 WADE W-401	2"	2"	--	3/4"	WHITE, VITREOUS CHINA, SIPHON JET ACTION URINAL W/ 3/4" TOP SPUD, BEEHIVE STRAINER, 1.0 GALLON FLUSH VALVE WITH VACUUM BREAKER AND STOP. PROVIDE FLOOR MOUNTED CARRIER.			
U-B URINAL ADA	KOHLER 4991-ET-0 SLOAN REGAL 186-1.0 WADE W-401	2"	2"	--	3/4"	WHITE, VITREOUS CHINA, SIPHON JET ACTION URINAL W/ 3/4" TOP SPUD, BEEHIVE STRAINER, 1.0 GALLON FLUSH VALVE WITH VACUUM BREAKER AND STOP. COORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL DRAWINGS TO COMPLY WITH ADA REQUIREMENTS. PROVIDE FLOOR MOUNTED CARRIER.			
L LAVATORY DROP-IN SENSOR FAUCET ADA	KOHLER K-2196 K-103C37-SANA K-13885 ACORN ST70 TRUEBRO 102	2"	2"	1/2"	1/2"	WHITE, VITREOUS CHINA 20-1/4" OVAL DROP-IN LAVATORY WITH OVERFLOW, TOUCHLESS SINGLE-HOLE ONE-PIECE DECK MOUNTED STATIONARY 0.5 GPM SENSOR FAUCET WITH HARDWIRED CONNECTION 120V/1/60 ELECTRICAL SERVICE AND OFFSET GRID DRAIN W/ PERFORATED STRAINER, TAILPIECE, 1-1/4" 17 GA. P-TRAP WITH CLEANOUT AND 3/8" ANGLE SUPPLIES WITH STOPS. INSULATE P-TRAP, HOT AND COLD WATER SUPPLIES WITH TRUEBRO 102 LAVGUARD. MOUNT AT ADA HEIGHT. PROVIDE ASSE 1070 THERMOSTATIC MIXING VALVE UNDER SINK.			
SK-A SINK 1-COMP. ADA	ELKAY LRAD191955 LK-99 T65 BRASS B-2867-04FC ACORN ST70 TRUEBRO 102	2"	2"	1/2"	1/2"	18 GA. TYPE 302 SS SINGLE COMPARTMENT SINK 19-1/2"x19"x6" DEEP, WIDESPREAD GOOSENECK FAUCET WITH QUARTER-TURN CERAMIC DISC VALVES, 4" WRIST BLADE HANDLES, LK-99 DRAIN WITH STRAINER, WITH CAST BRASS CONTINUOUS WASTE AND P-TRAP, ANGLE SUPPLIES WITH STOPS. INSULATE P-TRAP, HOT AND COLD WATER SUPPLIES WITH TRUEBRO 102 LAVGUARD. COORDINATE P-TRAP INSTALLATION HEIGHT WITH ARCHITECT'S KNEE SPACE COVER PANEL AND COUNTER TOP HEIGHT PRIOR TO ROUGH-IN.			
SK-B SCULLERY SINK 1-COMP.	ELKAY STUDBILT SS82362 LK-99 T65 BRASS B-1128 ACORN ST70 TRUEBRO 102	2"	2"	1/2"	1/2"	14 GA. TYPE 304 STAINLESS STEEL, SINGLE COMPARTMENT 27" x 27-1/2" x 14" FLOOR MOUNT SCULLERY SINK, WALL MOUNTED FAUCET ON 8" CENTERS, 4" WRIST ACTION HANDLES, DRAIN WITH STRAINER, CAST BRASS CONTINUOUS WASTE AND P-TRAP, ANGLE SUPPLIES WITH STOPS. INSULATE P-TRAP, HOT AND COLD WATER SUPPLIES WITH LAVGUARD. PROVIDE THERMOSTATIC MIXING VALVE UNDER SINK.			
SK-C SINK 2-COMP. ADA	ELKAY LRAD-3322 LK-99 LKD2442BHC ACORN ST70 TRUEBRO 102	2"	2"	1/2"	1/2"	18 GA. TYPE 302 SS DOUBLE COMPARTMENT SINK 33"x22"x6" DEEP, DECK MOUNTED SWING SPOUT WITH 4" WRIST BLADE HANDLES, DRAINS WITH STRAINERS, WITH CAST BRASS CONTINUOUS WASTE AND P-TRAP, ANGLE SUPPLIES WITH STOPS. INSULATE P-TRAP, HOT AND COLD WATER SUPPLIES WITH TRUEBRO 102 LAVGUARD. PROVIDE ASSE 1070 COMPLIANT MIXING VALVE. COORDINATE P-TRAP INSTALLATION HEIGHT WITH ARCHITECT'S KNEE SPACE COVER PANEL AND COUNTER TOP HEIGHT PRIOR TO ROUGH-IN.			
SK-D SINK 3-COMP. ADA	ELKAY CMR4322 (3) LK99 LK810AT12T4 ACORN ST70 TRUEBRO 102	2"	2"	1/2"	1/2"	20 GA. TYPE 304 SS TRIPLE COMPARTMENT SINK 43"x22"x7" DEEP, DECK MOUNTED SWING SPOUT FAUCET (1.5 GPM) WITH 12" REACH AND WING HANDLES, (3) DRAINS WITH STRAINERS, WITH CAST BRASS CONTINUOUS WASTE AND P-TRAP, ANGLE SUPPLIES WITH STOPS. INSULATE P-TRAP, HOT AND COLD WATER SUPPLIES WITH TRUEBRO 102 LAVGUARD. PROVIDE ASSE 1070 COMPLIANT MIXING VALVE. COORDINATE P-TRAP INSTALLATION HEIGHT WITH ARCHITECT'S KNEE SPACE COVER PANEL AND COUNTER TOP HEIGHT PRIOR TO ROUGH-IN.			
SK-E WALL HUNG SINGLE COMPARTMENT ADA	ELKAY - WCL19230SDC - LKD2325BH5C - LKAD174 TRUEBRO - LAV GUARD 2E-Z WADE - 520 WATTS - LFUSG-B-M2	2"	2"	1/2"	1/2"	STURDBILT STAINLESS STEEL WALL HUNG LAVATORY WITH 8" CENTERS. 1.5 GPM FAUCET WITH 4" WRIST ACTION HANDLES AND OFFSET GRID DRAIN W/ OVERFLOW, TAILPIECE, 1-1/4" 17 GA. P-TRAP WITH CLEANOUT AND 3/8" ANGLE SUPPLIES WITH STOPS. INSULATE P-TRAP, HOT AND COLD WATER SUPPLIES WITH TRUEBRO 102 LAVGUARD. MOUNT AT ADA HEIGHT. PROVIDE THERMOSTATIC MIXING VALVE UNDER SINK. CONCEALED ARM CARRIER WITH 1/2" ANCHOR BOLTS.			
EW-C BI-LEVEL ELECTRIC WATER COOLER BOTTLE FILLER	ELKAY LMBFTLBWSSK 98324C CANE APRON	2"	2"	--	1/2"	STAINLESS STEEL BI-LEVEL BARRIER-FREE WATER COOLER WITH BOTTLE FILLER, FILTER, WALL HUNG, 8.0 GPH OF 50 DEGREE OUTLET WATER AT 80 DEGREE INLET WATER TEMP. AT 90 DEGREE AMBIENT TEMP., 370W, 120 VOLT. PROVIDE SKIRT KIT. MOUNT TO COMPLY WITH ADA REQUIREMENTS AND ARCHITECTURAL DRAWINGS. COORDINATE WITH ELECTRICAL CONTRACTOR. BOTTLE FILLER SHALL BE INSTALLED ON LOW SIDE.			
SH SHOWER ADA TILE SHOWER BY ARCHITECT	LAWLER 3800 SC1 SH1 HS3 DV1 ZURN Z5880	3"	2"	3/4"	3/4"	SINGLE HANDLE THERMOSTATIC AND PRESSURE BALANCING MIXING SHOWER VALVE, STRAIGHT STOP AND CHECKS, SHOWER HEAD, ARM AND FLANGE, HAND SPRAY AND DIVERTER VALVE. PROVIDE LINEAR SHOWER DRAIN WITH SLOTTED HEEL-PROOF GRATE, NO-HUB DRAIN, AND ANTI-PONDING V-SHAPED CHANNEL. COORDINATE EXACT DIMENSIONS AND LOCATIONS WITH ARCHITECT'S PLANS PRIOR TO ROUGH-IN.			
ES/EW SHOWER DECONTAMINATION EYE WASH ADA	GUARDIAN GBF1909 G6040	1-1/4"	2"	1"	1"	BARRIER-FREE SAFETY STATION W/ WIDEAREA EYE/FACE WASH. PLASTIC SHOWER HEAD, FILTER, P-TRAP, ANGLE SUPPLIES WITH STOPS. THERMOSTATIC MIXING VALVE.			
FD-A FLOOR DRAIN	WADE 1100TSD6	3"	2"	--	--	CAST IRON FLOOR DRAIN W/ FLANGE, INTEGRAL CLAMPING COLLAR, SEEPAGE OPENING, ADJUSTABLE 6" DIA. NICKEL BRONZE STRAINER W/ SQUARE PERFORATIONS, P-TRAP. PROVIDE TRAP PRIMER CONNECTION.			
FD-B FLOOR DRAIN RECESSED GRATE	WADE 1100ER7	3"	2"	--	--	CAST IRON FLOOR DRAIN W/ FLANGE, INTEGRAL CLAMPING COLLAR, SEEPAGE OPENING, ADJUSTABLE 7" DIA., NICKEL BRONZE EXTENDED RIM STRAINER W/ SQUARE PERFORATIONS, P-TRAP. PROVIDE TRAP GUARD TRAP PRIMER.			
WMB WASHING MACHINE BOX	GUY GRAY B200	2"	2"	3/4"	3/4"	RECESSED GALVANIZED STEEL WASHING MACHINE VALVE BOX WITH 3/4" HOT & COLD WATER THREADED SUPPLIES WITH SHUTOFFS AND 2" DRAIN.			
FCO FLOOR CLEANOUT	WADE 6000	LINE SIZE	--	--	--	CAST IRON FLOOR DRAIN CLEANOUT W/ ROUND ADJUSTABLE SCORIATED SECURED NICKELED BRONZE TOP.			
WCO WALL CLEANOUT	WADE 8560/840R	LINE SIZE	--	--	--	CAST IRON CLEANOUT TEE WITH BRASS COUNTERSUNK PLUG AND ROUND STAINLESS STEEL ACCESS COVER.			
ECO EXTERIOR CLEANOUT	JONES STEPHENS S36-008	LINE SIZE	--	--	--	CAST IRON FRAME AND HEAVY DUTY TRAFFIC COVER MARKED "SEWER CLEANOUT". PROVIDE AS DETAILED IN CONCRETE SLAB.			
HD HUB DRAIN	--	LINE SIZE	--	--	--	PROVIDE INSULATED P-TRAP WITH HUB FITTING FOR INDIRECT A/C CONDENSATE DRAIN. REFER TO DETAIL #5 SHEET P4.1.			
SS SERVICE SINK MOLDED STONE (FLOOR MODEL)	FIAT MSB2424 830AA000 832-AA 889-CC	MSG-2424 833-AA	3"	2"	3/4"	3/4"	24"x24"x10" DEEP MOLDED STONE MOP SERVICE BASIN WITH FACTORY INSTALL STAINLESS STEEL DRAIN BODY W/ FLAT STRAINER CHROME PLATED FAUCET WITH VACUUM BREAKER, INTEGRAL STOPS, ADJUSTABLE WALL BRACE, PAIL HOOK, 3/4" HOSE THREAD ON SPOUT, 30" LONG HEAVY DUTY RUBBER HOSE AND HOSE BRACKET, MOP HANGER, STAINLESS STEEL WALL GUARDS, AND SILICON SEALANT.		
IMB ICE MAKER BOX	GUY GRAY BIM875	--	--	--	1/2"	PROVIDE 3/8" ANGLE SUPPLY WITH STOP IN 20 GA. METAL RECESSED, FLUSH MOUNTED BOX MOUNT AT 12" A.F.F.			
HB-A HOSE BIBB	WOODFORD 24P	--	--	--	3/4"	ANTI-SIPHON VACUUM BREAKER, AUTOMATIC DRAINING, 3/4" WALL FAUCET WITH TEE KEY IN STANDARD CHROME FINISH.			
HB-B HOSE BIBB WALL BOX	WOODFORD 65	--	--	--	3/4"	3/4" FREEZELESS WALL HYDRANT IN FLUSH MOUNTED LOCKING RECESS WALL BOX WITH INTEGRAL DRAIN, VACUUM BREAKER AND TEE KEY IN POLISHED BRASS FINISH. VERIFY WALL THICKNESS.			
YH YARD HYDRANT	WOODFORD S3	--	--	--	3/4"	ANTI-SIPHON BLACKFLOW PROTECTION DEVICE, ROUGH BRASS FREEZELESS YARD HYDRANT WITH 1" GALVANIZED PIPE AND 3/4" HOSE THREAD. COORDINATE BURY DEPTH.			
TD TRENCH DRAIN ICE MAKER	WADE 2933-SS	3"	2"	--	--	6" WIDE, TYPE 304 STAINLESS STEEL, 12 GA, 30" LONG TRENCH DRAIN WITH SQUARE HOLE PATTERN GRATE, ANCHOR FLANGE AND 3" DRAIN CONNECTION.			
FS FLOOR SINK	WADE 9140	3"	2"	--	--	12"x12" CAST IRON 8" DEEP FLOOR SINK W/ ACID-RESISTING PORCELAIN ENAMELED INTERIOR, CLAMPING DEVICE, FULL NICKEL BRONZE GRATE WITH CENTER OPENING, BOTTOM OUTLET AND ALUMINUM INTERNAL DOME STRAINER. TOP OF FLOOR SINK SHALL BE FLUSH TO FINISHED FLOOR. PROVIDE ELONGATED FUNNEL. PROVIDE A TRAP SEAL DEVICE AND A P-TRAP.			

PLUMBING LEGEND			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	SANITARY SEWER LINE	A.F.F.	ABOVE FINISHED FLOOR
	DOM. COLD WATER LINE	A.F.G.	ABOVE FINISHED GRADE
	DOM. HOT WATER LINE	WC	WATER CLOSET
	DOM. HOT WATER RETURN LINE	L	LAVATORY
	FILTERED COLD WATER LINE	RD	ROOF DRAIN
	COMPRESSED AIR LINE	SK	SINK
	GREASE WASTE LINE	FCO	FLOOR CLEAN OUT
	OILY WASTE LINE	FD	FLOOR DRAIN
	NATRUAL GAS LINE	WCO	WALL CLEANOUT
	WATER HAMMER ARRESTOR (SEE PLUMBING RISER DIAGRAMS)		CONNECT TO EXISTING
	BALL VALVE		
	PLUMBING RISER TAG		

NOTE:
ALL FIXTURE FINISHES INCLUDING THOSE NOT NOTED ON THIS SHEET SHALL BE COORDINATED WITH ARCHITECT PRIOR TO ORDERING. FINISHES SHALL INCLUDE CUSTOM OPTIONS.

APPROVED EQUALS: THE FOLLOWING MANUFACTURERS OF PLUMBING FIXTURES AND DRAINS OF COMPARABLE QUALITY TO THOSE ITEMS SPECIFIED ARE CONSIDERED APPROVED EQUALS SUBJECT TO COMPLIANCE WITH REQUIREMENTS OF THE INDIVIDUAL SPECIFICATIONS.

PLUMBING FIXTURES:	AMERICAN STANDARD, MANSFIELD, SLOAN, TOTO, ZURN
DRAINS, CLEANOUTS, CARRIERS:	JOSAM, J.R. SMITH, MIFAB, WATTS, ZURN
SINKS:	ADVANCE TABCO, GRIFFIN, JUST
SERVICE SINKS:	ACORN, FLORSTONE, MUSTEE, STERN WILLIAMS, ZURN
HOSE BIBBS:	J.R. SMITH, MIFAB, PRIER, WATTS, ZURN
FLUSH VALVES:	DELANY, ZURN
TEMPERING VALVE:	BRADLEY, LAWLER, POWERS
FAUCETS:	CHICAGO, DELTA COMMERCIAL, MOEN COMMERCIAL, SLOAN, SPEAKMAN, T & S, ZURN
ELECTRIC WATER COOLERS:	ACORN, HAWS, HALSEY TAYLOR, OASIS
TOILETS SEATS:	BEMIS, BENEKE, CENTOCO, ZURN
WATER HEATERS:	A.O. SMITH, RUUD, RHEEM
SUPPLIES:	BRASSCRAFT, EASTMAN, MCGUIRE, SPECIFIED TRIM, ZURN
OTHER MANUFACTURERS:	<u>SUBMIT FOR PRIOR APPROVAL.</u>

WATER HEATER SCHEDULE										
UNIT No	LOCATION	STORAGE GAL	HEATING ELEMENTS KW	BTUH INPUT	BTUH OUTPUT	EFFICIENCY	RECOVERY	ELEC. SERVICE	REMARKS	NOTES
EW-H-8	121 WH	120	18	---	---	---	100' F @ 74 GPH	460/3/60	AO SMITH DRE-120-12 OR APPROVED EQUAL	1, 5
EW-H-G1	208 JANITOR	40	4.5	---	---	---	100' F @ 18 GPH	460/1/60	AO SMITH DEL-40D-4.5 OR APPROVED EQUAL	5
EW-H-G2	229 WH	10	4	---	---	---	100' F @ 14 GPH	460/1/60	AO SMITH DEL-10S-4 OR APPROVED EQUAL	5
GW-H-G3	217 VEHICLE MAINTENANCE	100	--	150,000	147,000	0.98	100' F @ 291 GPH	120/1/60	AO SMITH BTH-150-MXI OR APPROVED EQUAL	2, 3, 4, 5

1. PROVIDE A ICM450A+ PROGRAMMABLE THREE PHASE VOLTAGE MONITOR WITH 25 FAULT MEMORY ON ALL EQUIPMENT REQUIRING THREE PHASE ELECTRICAL.
2. UNIT SHALL BE ASME STAMPED AND NATIONAL BOARD REGISTERED FOR 150 PSI WORKING PRESSURE AND ASHRAE 90.1 COMPLIANT WITH ASME RATED T & P RELIEF VALVE. HEATER SHALL BE COMPLETE WITH ELECTRONIC IGNITION, UPPER AND LOWER THERMOSTATS, HIGH TEMPERATURE LIMITING DEVICE, DRAIN VALVE, CAST IRON BURNER, FIBERGLASS INSULATION AND 15 YEAR WARRANTY. PROVIDE CONDENSATE NEUTRALIZATION SYSTEM AND FIRST-YEAR SERVICE POLICY AND FACTORY AUTHORIZED STARTUP.
3. THIS WATER HEATER REQUIRES CATEGORY IV VENT MATERIAL FOR POSITIVE PRESSURE. CONDENSING TYPE APPLIANCES. VENT SHALL BE CATEGORY IV SOLID CORE CPVC PIPE OR ET, UL, ULC OR CSA LISTED POLYPROPYLENE OR STAINLESS STEEL AL29-4C. PROVIDE COMBINATION COMBUSTION & RELIEF VENT KIT THROUGH ROOF WITH RAIN CAPS AND CURBS. COORDINATE WITH ROOFING CONTRACTOR.
4. CONTRACTOR SHALL PAY FOR AND OBTAIN STATE BOILER INSPECTION PERMITS.
5. WATER HEATER SHALL BE INSTALLED IN DRAIN PANS.

PUMP SCHEDULE						
UNIT No	SERVICE	TOTAL GPM	HEAD FT H ₂ O	MOTOR HP	ELECTRIC SERVICE	REMARKS
HWCP-B	EW-H-B	1	18'	1/25	120/1/60	GRUNDFOS UP-15-58FC WITH CORD, PLUG, TIMER AND AQUASTAT KIT.
HWCP-G1	EW-H-G1	1	18'	1/25	120/1/60	GRUNDFOS UP-15-58FC WITH CORD, PLUG, TIMER AND AQUASTAT KIT.
HWCP-G2	EW-H-G2	1	18'	1/25	120/1/60	GRUNDFOS UP-15-58FC WITH CORD, PLUG, TIMER AND AQUASTAT KIT.
HWCP-G3	GW-H-G3	1	18'	1/25	120/1/60	GRUNDFOS UP-15-58FC WITH CORD, PLUG, TIMER AND AQUASTAT KIT.



ASSOCIATED DESIGN GROUP, INC.
3909 W Congress Street, Suite 201
Lafayette, Louisiana 70506
Phone: (337) 234-5710
Email: adginc@adginc.org

Project No. 25082

CONSTRUCTION DOCUMENTS



Brossett
Architect



Brossett Architect, LLC • 414 Pujo St., Lake Charles, LA 70601

LAKE CHARLES PUBLIC WORKS
NEW FACILITY PHASE 2

4200 BROAD STREET
LAKE CHARLES, LA 70615
PLUMBING SCHEDULES

SHEET NO.

P3.1

ARCH #24009 BA

VER.	DATE	DESCRIPTION
0	12/20/2025	CONSTRUCTION DOCUMENTS

© COPYRIGHT 2025,
Brossett Architect, LLC
All Rights Reserved.
This document shall not be
copied or reproduced
without written permission.

COMPRESSED AIR SYSTEM SCHEDULE											
UNIT	AIR COMPRESSOR					AIR DRYER			REMARKS	NOTE	
	ACFM	HP	MAX PRESSURE	STORAGE GALLONS	ELECTRIC SERVICE	COMPRESSOR FLA	AVAILABLE FLOW (CAPACITY)	ELECTRIC SERVICE			POWER
CAS-1	17.2@100PSI	5	175	80	460/3/60	6.6	21 CFM @ 100PSIG	120/1/60	160 W	QUINCY QT-5 WITH VERTICAL 80 GALLON RECIEVER OR APPROVED EQUAL WITH QUINCY QPNC-21 REFRIGERATED COMPRESSED AIR DRYER OR APPROVED EQUAL	1,2,3
CAS-2	35@100PSI	10	175	200	460/3/60	12.5	75 CFM @ 100PSIG	120/1/60	1692 W	QUINCY QT-10 WITH HORIZONTAL 200 GALLON RECIEVER OR APPROVED EQUALWITH QUINCY QRHT-75 COMPRESSED AIR DRYER OR APPROVED EQUAL	1,2,3

- NOTES:
- 1) PROVIDE AUTO DRAIN VALVE (120/1/60 ELECTRICAL SERVICE).
 - 2) PROVIDE VIBRATION ISOLATOR PADS AND STARTUP KIT FOR AIR COMPRESSOR.
 - 3) PROVIDE 0.01 MICRON, 0.01 PPM, 8000 HRS RATED AIR FILTER AND REGULATOR. REFER TO ACCESSORIES LISTS BELOW FOR ADDITIONAL ACCESSORIES THAT SHALL BE PROVIDED BY THE CONTRACTOR

AIR COMPRESSOR #1 (CAS-1) ACCESSORIES SCHEDULE

Item	Product Description	Qty
1	QUINCY QT-5" Reciprocating Air Compressor	1
	Rated for 17.2 ACFM at 175 PSIG	
	Voltage: 460/3/60	
	Tank Size: VERTICAL 80	
	Package: null	
	Unit Configuration: Simplex	
	Motor Overload Protection	
	Control Mode: Start/Stop	
	Magnetic Motor Starter Accessories - On-Off Selector Switch	
	Control Panel Type - Simplex-Magnetic Motor Starter	
	Tank Drain - Manual/Electronic	
	Aftercooler - Air Cooled With Moisture Separator/Trap	
	Total	1
2	QUINCY QPNC-21 Compressed Air Dryer	1
	Electronic Zero Loss Drain	
	Air Cooled	
	39 Degree F Dewpoint	
	Voltage: null	
	High Efficiency Heat Exchanger	
	Diagnostic Display	
	10 Year Heat Exchanger Warranty	
3	QUINCY QCF 25 " Compressed Air Filter	1
	Max Pressure (PSIG): 232	
	Automatic Float Drain	
	Pop-Up Differential Pressure Indicator	
	Die Cast Aluminum Housing	
	ISO Quality	

AIR COMPRESSOR #2 (CAS-2) ACCESSORIES SCHEDULE

Item	Product Description	Qty
1	QUINCY QT-10" Reciprocating Air Compressor	1
	Two Stage Piston Compressor	
	Package: null	
	Unit Configuration: Duplex	
	Control Mode: Start/Stop	
	Control Mode: Start/Stop	
	Voltage: 460/3/60	
	Control Panel Type - Duplex-Single Power Supply	
	Tank Drain - Manual/Electronic	
	Low Oil Level Switch - Yes	
	Aftercooler - Air Cooled With Moisture Separator/Trap	
	Total	1
2	QUINCY QRHT-75 Compressed Air Dryer	1
	10 Year Heat Exchanger Warranty	
	Zero Loss Drain	
	180 Degree F Inlet Temperature	
	Air-cooled Aftercooler	
	Max Pressure: 232 psig	
	R134A Refrigerant (Model 25)	
	R404A Rfrigerant (Models 50 and Up)	
3	QUINCY QCF 70 " Compressed Air Filter	1
	Max Pressure (PSIG): 232	
	Automatic Float Drain	
	Differential Pressure Gauge	
	Die Cast Aluminum Housing	
	ISO Quality	



ASSOCIATED DESIGN GROUP, INC.
3909 W Congress Street, Suite 201
Lafayette, Louisiana 70506
Phone: (337) 234-5710
Email: adginc@adginc.org

Project No. 25082

CONSTRUCTION DOCUMENTS

VER.	DATE	DESCRIPTION
0	12/20/2025	CONSTRUCTION DOCUMENTS

SHEET NO.
P3.2

LAKE CHARLES PUBLIC WORKS
NEW FACILITY PHASE 2
4200 BROAD STREET
LAKE CHARLES, LA 70615
PLUMBING SCHEDULES

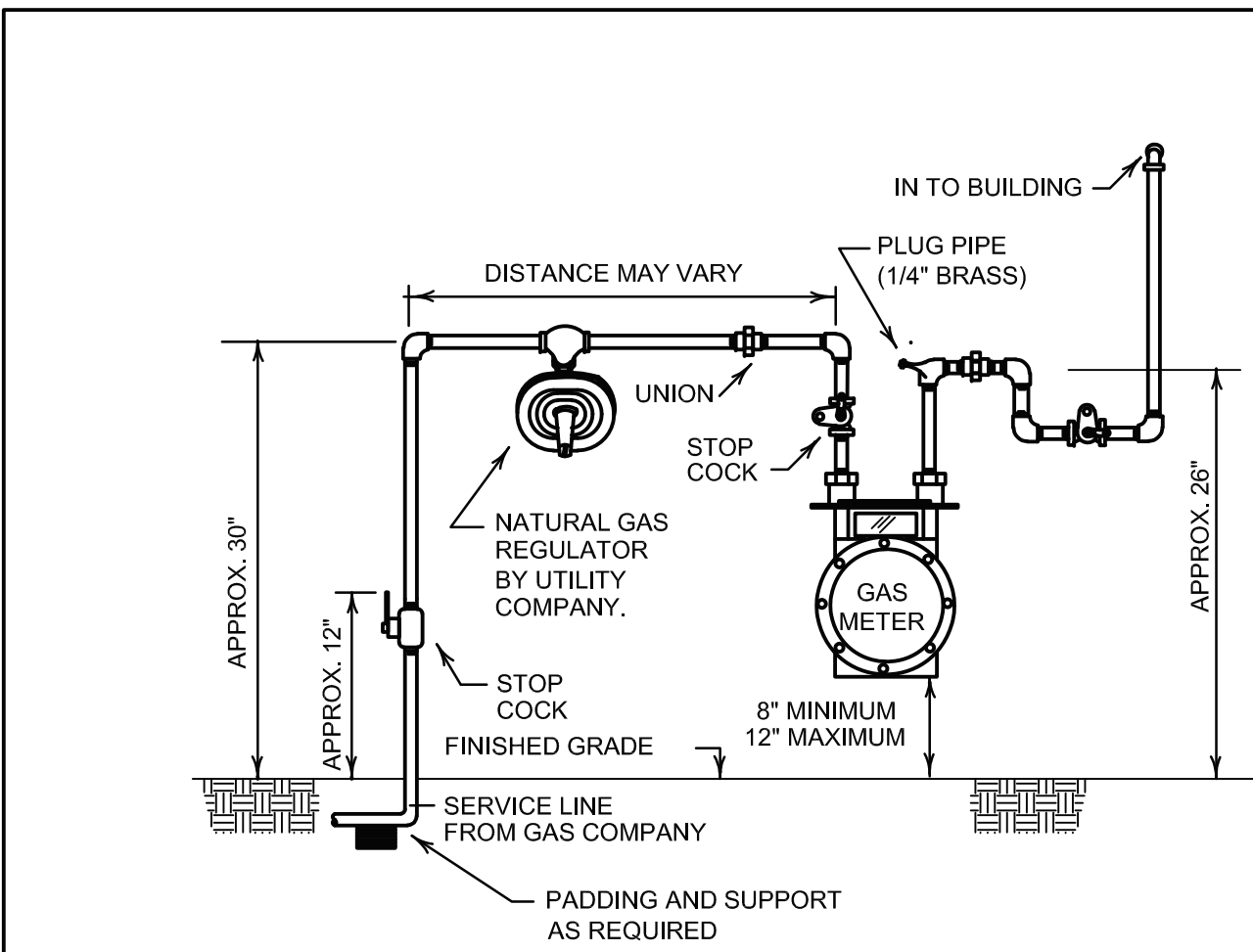
ARCH #24009 BA



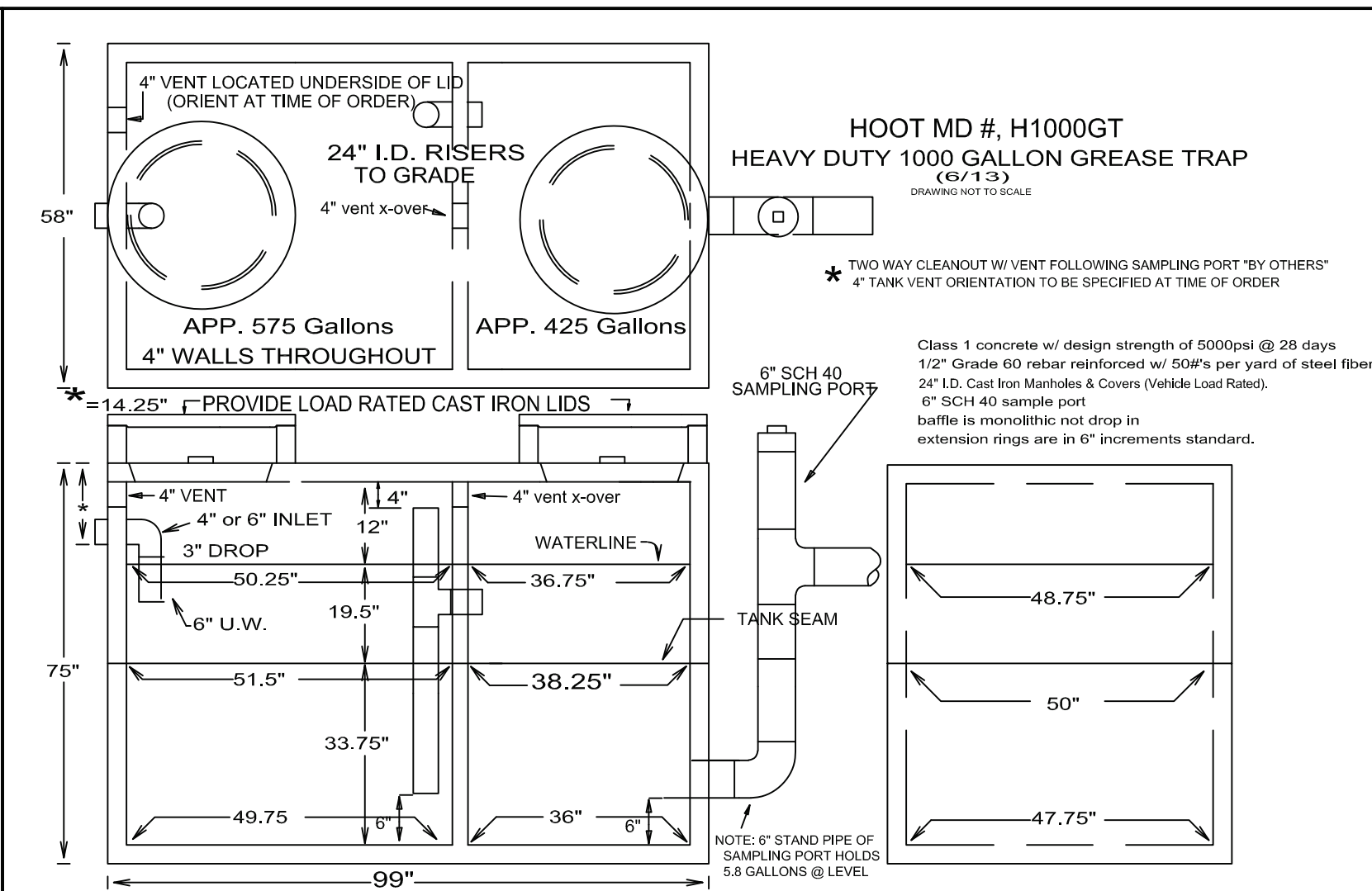
Brossett
Architect

Brossett Architect, LLC • 414 Pujo St., Lake Charles, LA 70601





18 GAS METER/REGULATOR DETAIL
NO SCALE



19 1000 GALLON GREASE TRAP DETAIL
NO SCALE



ASSOCIATED DESIGN GROUP, INC.
3909 W Congress Street, Suite 201
Lafayette, Louisiana 70506
Phone: (337) 234-5710
Email: adginc@adginc.org
Project No. 25082

CONSTRUCTION DOCUMENTS

VER.	DATE	DESCRIPTION
0	12/20/2025	CONSTRUCTION DOCUMENTS

SHEET NO.
P4.2
ARCH #24009 EA

LAKE CHARLES PUBLIC WORKS
NEW FACILITY PHASE 2
4200 BROAD STREET
LAKE CHARLES, LA 70615
PLUMBING DETAILS



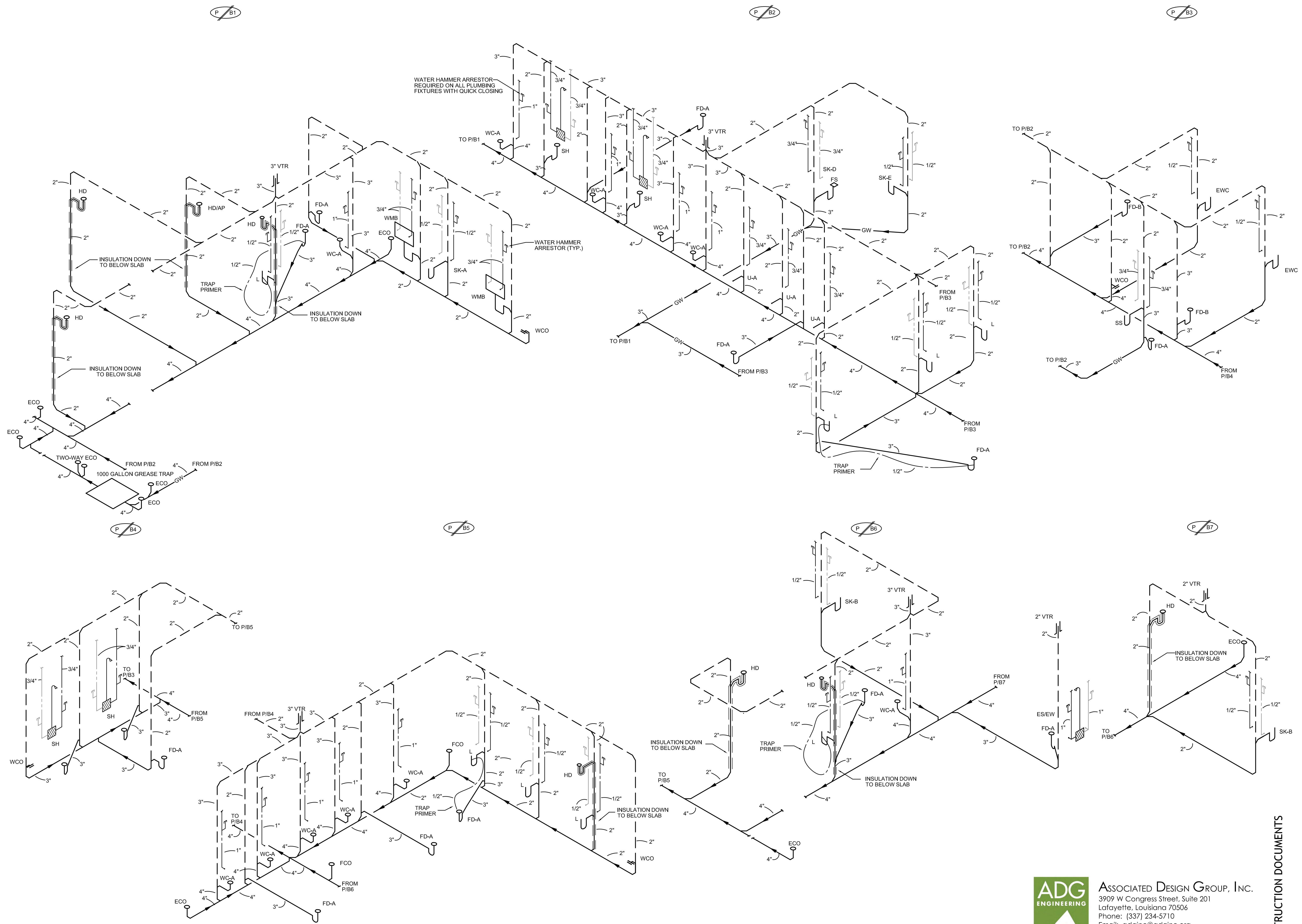
Brossett
Architect

Brossett Architect, LLC • 414 Pujo St., Lake Charles, LA 70601



VER.	DATE	DESCRIPTION
0	12/20/2025	CONSTRUCTION DOCUMENTS

CONSTRUCTION DOCUMENTS



ASSOCIATED DESIGN GROUP, INC.
3909 W Congress Street, Suite 201
Lafayette, Louisiana 70506
Phone: (337) 234-5710
Email: adginc@adginc.org
Project No. 25082



Brossett Architect, LLC • 414 Pujo St., Lake Charles, LA 70601

LAKE CHARLES PUBLIC WORKS
NEW FACILITY PHASE 2

4200 BROAD STREET
LAKE CHARLES, LA 70615
PLUMBING RISERS

SHEET NO.
P5.2

ARCH #24009 EA

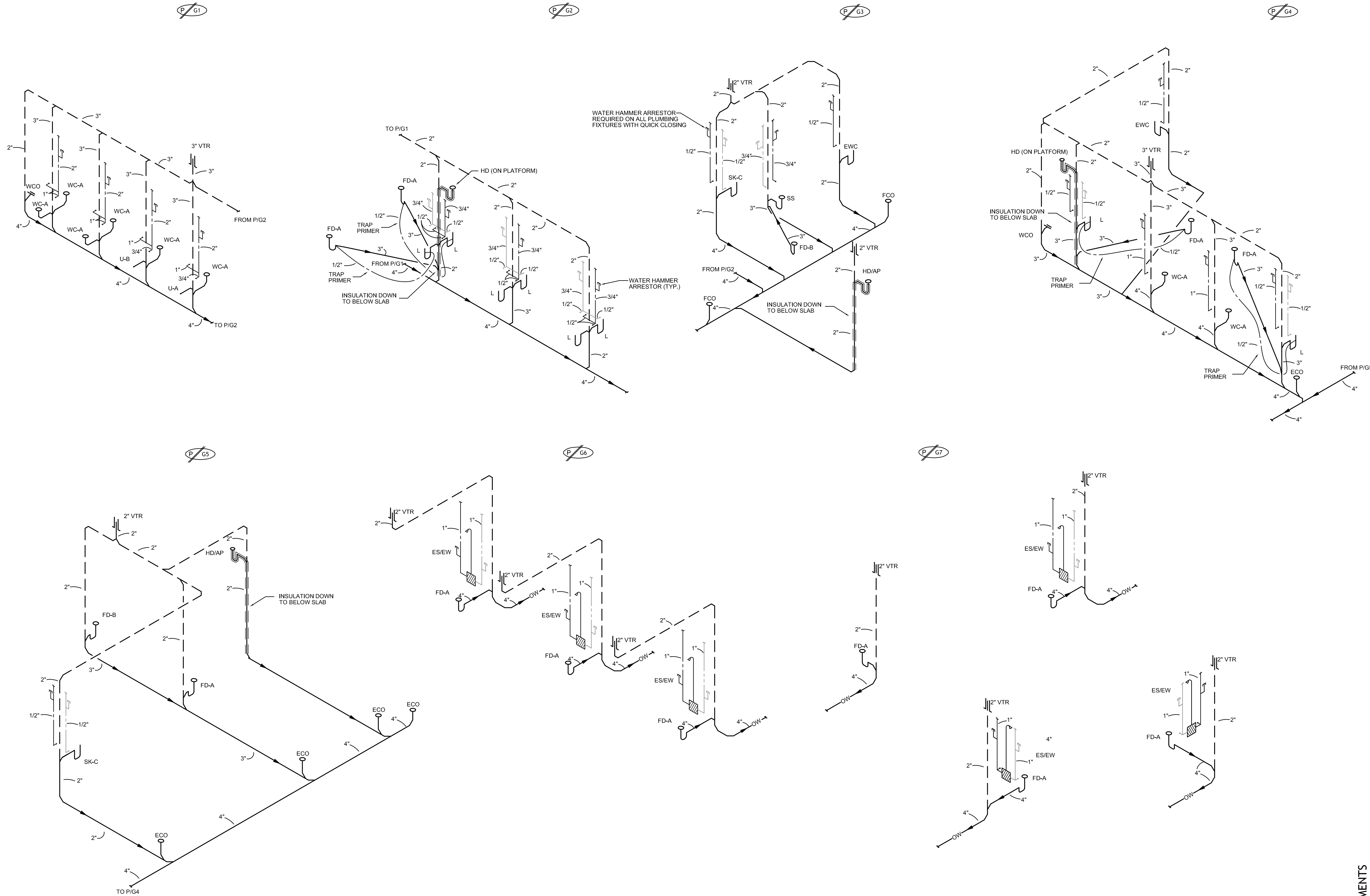
VER.	DATE	DESCRIPTION
0	12/20/2025	CONSTRUCTION DOCUMENTS

© COPYRIGHT 2025,
Brossett Architect, LLC
All Rights Reserved.
This document shall not be
copied or reproduced
without written permission.

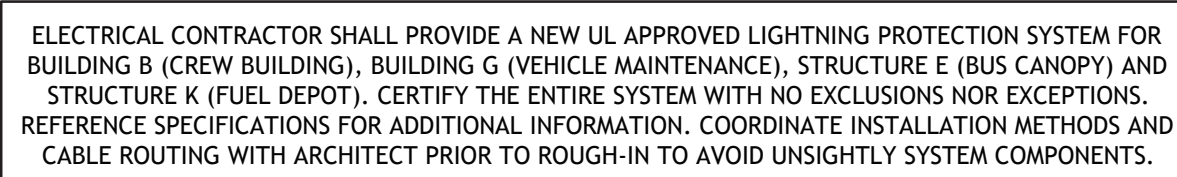
CONSTRUCTION DOCUMENTS



ASSOCIATED DESIGN GROUP, INC.
3909 W Congress Street, Suite 201
Lafayette, Louisiana 70506
Phone: (337) 234-5710
Email: adginc@adginc.org
Project No. 25082



SCALE: 1" = 70'-0"



A. CONTRACTOR SHALL REFER TO ALL OTHER PORTIONS OF THE CONTRACT DOCUMENTS (PLANS, SPECIFICATIONS, ADDENDA, ARCHITECTURAL SUPPLEMENTAL INSTRUCTIONS AND ANY APPROVED CHANGE ORDERS) AND PROVIDE ALL LIGHT FIXTURES, OUTLETS, TELE/DATA OUTLETS, SPEAKERS, AND ASSOCIATED CIRCUITRY AS IF ORIGINALLY INCLUDED ON THE ELECTRICAL PLANS. IF THERE ARE ANY DISCREPANCIES, CONTRACTOR SHALL NOTIFY ARCHITECT/ENGINEER IN WRITING PRIOR TO ORDERING EQUIPMENT, ROUGH-IN FOR EQUIPMENT AND/OR INSTALLATION OF EQUIPMENT. PRIOR TO ROUGH-IN OF EQUIPMENT, CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING COPIES OF APPROVED SHOP DRAWINGS OF SUCH EQUIPMENT AND REVIEWING SAID SUBMITTALS TO ENSURE COMPATIBILITY WITH THE ELECTRICAL SYSTEM. CONTRACTOR SHALL IMMEDIATELY NOTIFY ARCHITECT/ENGINEER IN WRITING OF ANY DISCREPANCIES BETWEEN THE REQUIRED ROUGH-IN REQUIREMENTS AND THE ELECTRICAL SYSTEM.

B. SHOULD IT BE NECESSARY TO RUN ANY ELECTRICAL SERVICES, CONDUITS, ETC. THROUGH THE BUILDING'S FOOTINGS CONTRACTOR SHALL REFER TO THE STRUCTURAL DRAWINGS FOR ADDITIONAL REINFORCEMENT REQUIREMENTS, WHERE ELECTRICAL SERVICES ARE RUN PARALLEL TO FOOTINGS, ALSO REFER TO STRUCTURAL DRAWINGS FOR THE MINIMUM CLEAR DISTANCE TO MAINTAIN BETWEEN FOOTING AND CONDUIT.

C. CONTRACTOR SHALL PROPERLY SEAL PENETRATIONS TO RATED ASSEMBLIES AND ALL EXTERIOR WALLS TO PROPERLY MAINTAIN RATING & ASSEMBLIES BUILDING ENVELOPE.

D. AS A MINIMUM ALL ELECTRICAL WORK SHALL COMPLY WITH THE 2020 EDITION OF THE NATIONAL ELECTRICAL CODE.

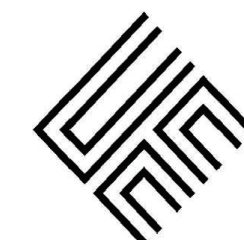
E. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

F. CONTRACTOR SHALL VISIT THE SITE AND FIELD VERIFY EXISTING CONDITIONS PRIOR TO BIDDING ANY WORK TO BE DONE.

- 1 CONTRACTOR SHALL INSTALL (2) 5" CONDUIT FROM EXISTING UTILITY POLE TO SECTIONALIZER FOR UNDERGROUND PRIMARY CABLING. LEAVE PULL TAPE IN EACH CONDUIT RUN. CONTRACTOR SHALL COORDINATE ALL WORK WITH ENERGY PRIOR TO ROUGH-INS.
- 2 CONTRACTOR SHALL INSTALL (2) 5" CONDUITS TO PRIMARY SIDE OF PAD MOUNT TRANSFORMER INDICATED FOR UNDERGROUND UTILITY CABLING. LEAVE PULL TAPE IN EACH CONDUIT. CONTRACTOR SHALL COORDINATE ALL WORK WITH ENERGY PRIOR TO ROUGH-INS.
- 3 CONTRACTOR SHALL MARK EXISTING UNDERGROUND ELECTRICAL ALONG THE PATH OF THE NEW UTILITY CONDUIT PRIOR TO INSTALL TO AVOID CONFLICTS.
- 4 CONTRACTOR SHALL INTEGRATE TAMPER SWITCH ON THE 6" PIV WITH BUILDING B FIRE ALARM SYSTEM. PROVIDE REQUIRED CABLING AND CONDUIT FROM SWITCH LOCATION TO FIRE ALARM PANEL. REFER TO FIRE SUPPRESSION SHEETS AND COORDINATE WITH GENERAL CONTRACTOR FOR EXACT LOCATION PRIOR TO ROUGH-IN.
- 5 CONTRACTOR SHALL RUN CONDUIT UNDERGROUND FROM PANEL FLP TO HEATED ENCLOSURE. PROVIDE 2p30A N3R, HD, 240V FDS WITHIN HEATED ENCLOSURE.



Brossett
Architect



Brossett Architect, LLC • 414 Pujó St., Lake Charles, LA 70601

LAKE CHARLES PUBLIC WORKS NEW FACILITY PHASE 2

4200 BROAD STREET

LAKE CHARLES, LA 70615
ELECTRICAL SITE PLAN

SHEET NO.

0.1E

ARCH #24009 BA

VER.	DATE	DESCRIPTION
0	12/20/2025	CONSTRUCTION DOCUMENTS

© COPYRIGHT 2025,
Brossett Architect, LLC
All Rights Reserved.
This document shall not be
copied or reproduced
without written permission.

CONSTRUCTION DOCUMENTS

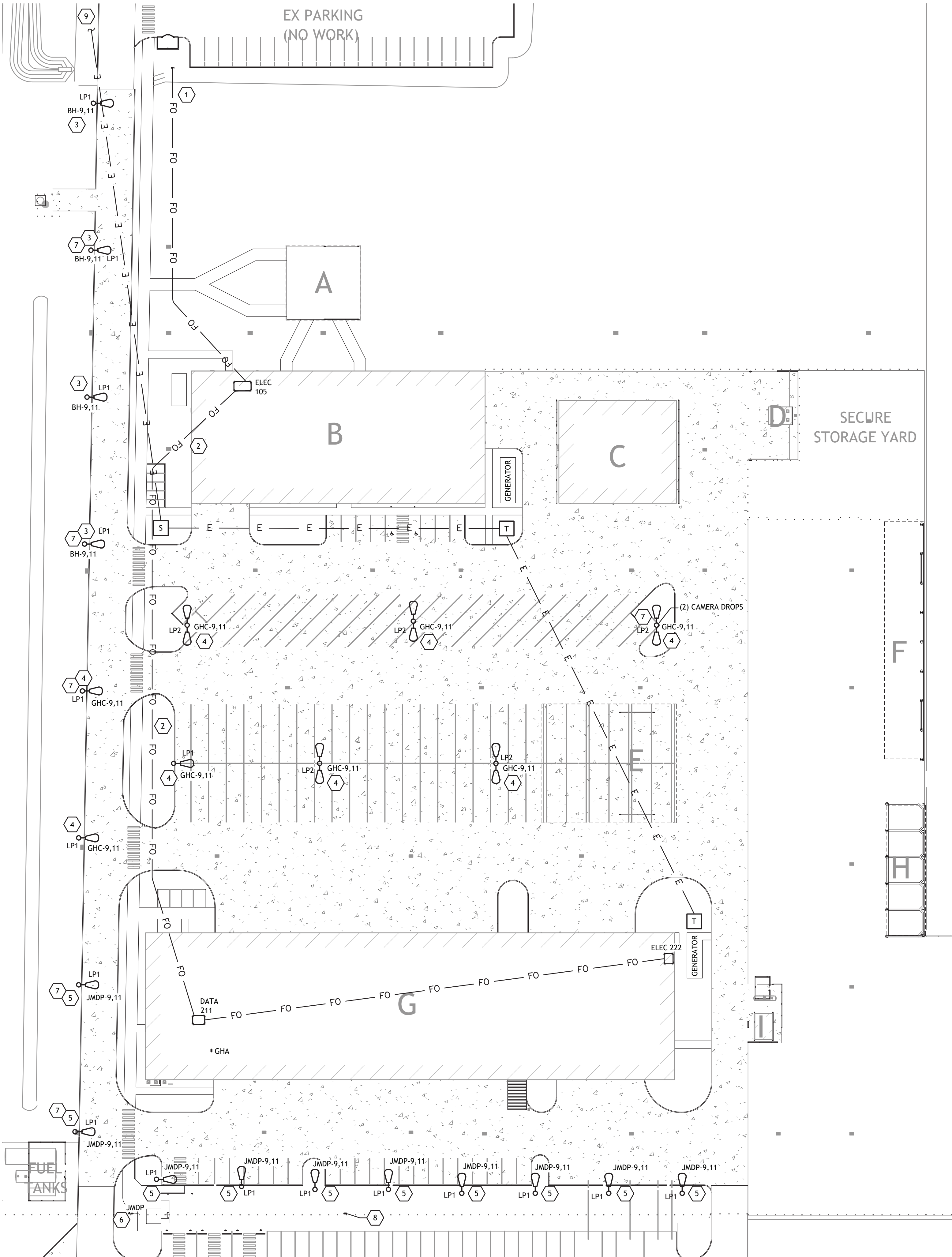


ASSOCIATED DESIGN GROUP, INC.
3909 W Congress Street, Suite 201
Lafayette, Louisiana 70506
Phone: (337) 234-5710
Email: adginc@adginc.org

Project No. 25082

1 ENLARGED ELECTRICAL SITE PLAN

SCALE: 1" = 40'-0"



ELECTRICAL SITE GENERAL NOTES

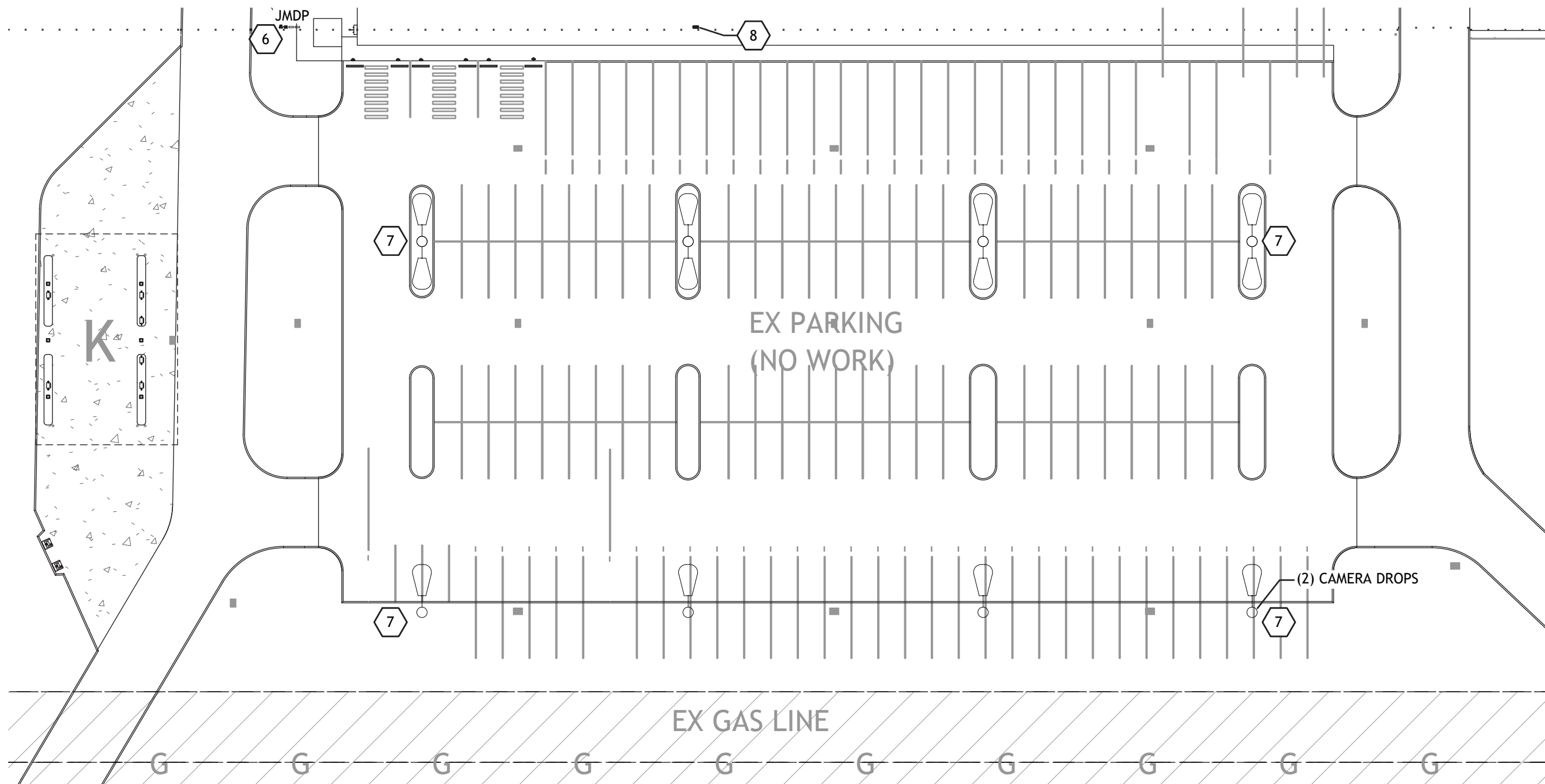
- CONTRACTOR SHALL REFER TO ALL OTHER PORTIONS OF THE CONTRACT DOCUMENTS (PLANS, SPECIFICATIONS, ADDENDA, ARCHITECTURAL SUPPLEMENTAL INSTRUCTIONS AND ANY APPROVED CHANGE ORDERS) AND PROVIDE ALL LIGHT FIXTURES, OUTLETS, TELE/DATA OUTLETS, SPEAKERS, AND ASSOCIATED CIRCUITRY AS IF ORIGINALLY INCLUDED ON THE ELECTRICAL PLANS. IF THERE ARE ANY DISCREPANCIES, CONTRACTOR SHALL NOTIFY ARCHITECT/ENGINEER IN WRITING PRIOR TO ORDERING EQUIPMENT, PRIOR TO INSTALLATION OF EQUIPMENT. PRIOR TO ROUGH-IN OF EQUIPMENT, CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING COPIES OF APPROVED SHOP DRAWINGS OF SUCH EQUIPMENT AND REVIEWING SAID SUBMITTALS TO ENSURE COMPATIBILITY WITH THE ELECTRICAL SYSTEM. CONTRACTOR SHALL IMMEDIATELY NOTIFY ARCHITECT/ENGINEER IN WRITING OF ANY DISCREPANCIES BETWEEN THE REQUIRED ROUGH-IN REQUIREMENTS AND THE ELECTRICAL SYSTEM.
- VERIFY EXACT MOUNTING HEIGHT OF ALL WALL MOUNTED FIXTURES W/ARCHITECT/OWNER PRIOR TO ROUGH-IN UNLESS SPECIFICALLY NOTED OTHERWISE.
- SHOULD IT BE NECESSARY TO RUN ANY ELECTRICAL SERVICES, CONDUITS, ETC., THROUGH THE BUILDING'S FOOTINGS CONTRACTOR SHALL REFER TO THE STRUCTURAL DRAWINGS FOR ADDITIONAL REINFORCEMENT REQUIREMENTS. WHERE ELECTRICAL SERVICES ARE RUN PARALLEL TO FOOTINGS, ALSO REFER TO STRUCTURAL DRAWINGS FOR THE MINIMUM CLEAR DISTANCE TO MAINTAIN BETWEEN FOOTING AND CONDUIT.
- CONTRACTOR SHALL PROPERLY SEAL PENETRATIONS TO RATED ASSEMBLIES AND ALL EXTERIOR WALLS TO PROPERLY MAINTAIN RATING & ASSEMBLIES AND BUILDING ENVELOPE.
- ALL 20 AMP 125 VOLT DUPLEX RECEPTACLES INSTALLED OUTDOORS SHOULD HAVE GFCI PROTECTION AND SHALL RECEIVE WEATHER PROOF WHILE IN USE COVER, AS SPECIFIED.
- AS A MINIMUM ALL ELECTRICAL WORK SHALL COMPLY WITH THE 2020 EDITION OF THE NATIONAL ELECTRICAL CODE.
- REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- COORDINATE EXACT LOCATION OF ALL OUTLETS WITH ARCHITECT/OWNER PRIOR TO ROUGH IN. CONTRACTOR SHALL MAKE ALL ELECTRICAL CONNECTIONS TO ALL OWNER FURNISHED EQUIPMENT.
- CONTRACTOR SHALL VISIT THE SITE AND FIELD VERIFY EXISTING CONDITIONS PRIOR TO BIDDING ANY WORK TO BE DONE.
- CIRCUITS SHALL HAVE DEDICATED NEUTRALS. NEUTRALS SHALL NOT BE SHARED.
- VERIFY REQUIREMENTS FOR ALL OWNER FURNISHED EQUIPMENT PRIOR TO ROUGH-IN.
- EXTERIOR LIGHTING CONTROLLED VIA PHOTOCELL.
- REFER TO FIRE ALARM/FIRE PROTECTION PLAN FOR LOCATIONS OF PIV VALVES, FLOWS, AND TAMPERS.

ELECTRICAL SITE KEYNOTES

- CONTRACTOR TO EXTEND (1) EXISTING 4" CONDUIT WITH INNERDUCTS TO DATA RACK IN BUILDING B. CONTRACTOR SHALL RUN FIBER OPTIC CABLE FROM ADMIN BUILDING NETWORK RACK TO NEW NETWORK RACK IN BUILDING B. CONDUIT SHALL STUB UP INTO WALL AND TERMINATE ABOVE ACCESSIBLE CEILING. PROVIDE AND INSTALL PULL BOXES AS NEEDED. PULL BOX COVERS SHALL BE LABELED AS "TELECOMMUNICATIONS".
- CONTRACTOR TO RUN (1) 4" CONDUIT WITH INNERDUCTS TO DATA RACK IN BUILDING G FROM BUILDING B. CONTRACTOR SHALL RUN FIBER OPTIC CABLE FROM BUILDING B NETWORK RACK TO NEW NETWORK RACK IN BUILDING G. CONDUIT SHALL STUB UP INTO WALL AND TERMINATE ABOVE ACCESSIBLE CEILING. PROVIDE AND INSTALL PULL BOXES AS NEEDED. PULL BOX COVERS SHALL BE LABELED AS "TELECOMMUNICATIONS".
- AREA LIGHTING TO BE CONTROLLED VIA PHOTOCELL ON BUILDING B.
- AREA LIGHTING TO BE CONTROLLED VIA PHOTOCELL ON BUILDING G.
- AREA LIGHTING TO BE CONTROLLED VIA PHOTOCELL AT JMDP GEAR RACK.
- CONTRACTOR SHALL INSTALL NEW FEEDERS FOR JMDP FROM PANEL GHA AS SCHEDULED. DISCONNECT EXISTING TEMPORARY SERVICE AT AVENUE J AND TERMINATE FEEDER FROM PANEL GHA TO JMDP. COORDINATE WITH ENTERGY FOR DISCONNECTING AVENUE J SERVICE PRIOR TO SWITCHING FEEDERS AND ROUGH-IN.
- CONTRACTOR TO PROVIDE AND INSTALL 3/4" CONDUIT WITHIN POLE FOUNDATION FOR ETHERNET CABLING TO CAMERA(S) MOUNTED ON LIGHT POLE. CAT6 NG SHALL BE RUN TO NEAREST NETWORK RACK. CAMERA MOUNTING SHALL BE COORDINATED WITH OWNER PROVIDED CAMERAS. CONTRACTOR SHALL VERIFY POLES COMPLY WITH 140MPH WIND RATING WITH CAMERA AND LIGHT FIXTURES MOUNTED ONTO POLES PRIOR TO PLACING ORDERS.
- CONTRACTOR SHALL PROVIDE P&E RANGE EXTENDER IN WEATHERPROOF ENCLOSURE AT APPROXIMATE LOCATION INDICATED. CONTRACTOR TO PROVIDE AND FABRICATE FREESTANDING RACK TO MOUNT ENCLOSURE. CONTRACTOR SHALL INSTALL CABLING FROM BUILDING G DATA ROOM 211 TO P&E EXTENDER RACK.
- CONTINUED ON SHEET E1.0.

2 ENLARGED ELECTRICAL SITE PLAN - AVENUE J PARKING LOT

SCALE: 1" = 40'-0"



ASSOCIATED DESIGN GROUP, INC.
3909 W Congress Street, Suite 201
Lafayette, Louisiana 70506
Phone: (337) 234-5710
Email: adginc@adginc.org
Project No. 25082

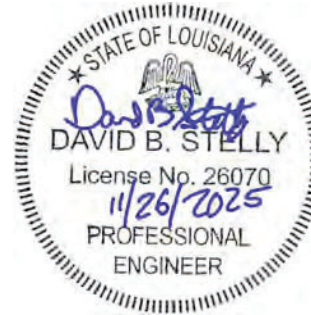
CONSTRUCTION DOCUMENTS

LAKE CHARLES PUBLIC WORKS
NEW FACILITY PHASE 2
4200 BROAD STREET
LAKE CHARLES, LA 70615
ENLARGED ELECTRICAL SITE PLAN

SHEET NO.
E1.1

VER.	DATE	DESCRIPTION
0	12/20/2025	CONSTRUCTION DOCUMENTS

© COPYRIGHT 2025,
Brossett Architect, LLC
All Rights Reserved.
This document shall not be
copied or reproduced
without written permission.



Brossett
Architect



Brossett Architect, LLC • 414 Pujot St., Lake Charles, LA 70601

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



LIGHTING FIXTURE SCHEDULE

MARK	DESCRIPTION	LUMENS	VOLTS	MOUNTING	MANUFACTURER	CATALOG NUMBER	WATTAGE
A1	2X2 FLAT PANEL (LO LUMEN)	2000	MVOLT	LAY-IN	LITHONIA	CPX 2X2 - 80CRI 40K SWL MIN10 ZT MVOLT	24.6
A2	2X2 FLAT PANEL	3200	MVOLT	LAY-IN	LITHONIA	CPX 2X2 - 80CRI 40K SWL MIN10 ZT MVOLT	27.9
A3	2X2 FLAT PANEL (HI LUMEN)	4000	MVOLT	LAY-IN	LITHONIA	CPX 2X2 - 80CRI 40K SWL MIN10 ZT MVOLT	34.5
B	1X4 FLAT PANEL	4000	MVOLT	RECESSED	LITHONIA	CPX 1X4 4000LMHE 80CRI 40K SWL MIN10 ZT MVOLT	33.5
C	LED LOW BAY	10000	MVOLT	SUSPENDED	LITHONIA	MSL 10000LM SBL MVOLT GZ10 40K 80CRI *	86.0
D1	6" DOWNLIGHT (LO LUMEN)	1000	MVOLT	RECESSED	GOTHAM	EVO6 40/10 * LS MWD MVOLT GZ10	9.6
D2	6" DOWNLIGHT (HI LUMEN)	2000	MVOLT	RECESSED	GOTHAM	EVO6 40/20 * LS MWD MVOLT GZ10	19.7
F4	4' LINEAR PENDANT	300LMF	MVOLT	SUSPENDED	MARK LIGHTING	SZPID LLP 4FT MSL4 80CRI 40K 300LMF 180CRI 140K 1300LMF SCT MIN1 CLL MVOLT * ZT F2 144A SQCY **	17.4
F5	15' LINEAR PENDANT	300LMF	MVOLT	SUSPENDED	MARK LIGHTING	SZPID LCB 15FT MSL8 80CRI 40K 300LMF 180CRI 140K 1300LMF SCT MIN1 CLL MVOLT * ZT F2 144A SQCY **	65.0
F8	8' LINEAR PENDANT	300LMF	MVOLT	SUSPENDED	MARK LIGHTING	SZPID LLP 8FT MSL8 80CRI 40K 300LMF 180CRI 140K 1300LMF SCT MIN1 CLL MVOLT * ZT F2 144A SQCY **	34.7
F9	19' LINEAR PENDANT	300LMF	MVOLT	SUSPENDED	MARK LIGHTING	SZPID LCB 19FT MSL8 80CRI 40K 300LMF 180CRI 140K 1300LMF SCT MIN1 CLL MVOLT * ZT F2 144A SQCY **	82.3
H	LED HIGH BAY	15000	HVOLT	SUSPENDED	LITHONIA	CPHB 15000LM HEF MD HVOLT GZ10 40K 80CRI DWH IBAC240 M75	103
K	LED CANOPY	3200	MVOLT	SURFACE	KENALL	S1414L P * 25L40K DV	30.0
L1	LED LINEAR	400LMF	MVOLT	RECESSED	MARK LIGHTING	SL4L LOP 4FT FL P L 80CRI 40K 400LMF * DPL	13.8
L2	LED LINEAR (HI LUMEN)	600LMF	MVOLT	RECESSED	MARK LIGHTING	SL4L LOP 4FT FL P L 80CRI 40K 600LMF * DPL	22.3
LP1	LED AREA LIGHT	13500	HVOLT	POLE	LITHONIA	DSX1 LED P3 40K 80CRI TFTM HVOLT RPA *	102
	20' ROUND POLE	N/A	N/A	FOUNDATION	LITHONIA	RSS 20 4-5B DM19 *	N/A
LP2	LED AREA LIGHT	13500	HVOLT	POLE	LITHONIA	DSX1 LED P3 40K 80CRI TFTM HVOLT RPA *	102
	20' ROUND POLE	N/A	N/A	FOUNDATION	LITHONIA	RSS 20 5B DM28 *	N/A
P	LED PENDANT	1200	MVOLT	SUSPENDED	LUMINUS	L1L10 40K MVOLT DPMX 5PG 36IN *	11.0
S	LED STRIPLIGHT	5000	MVOLT	SURFACE	LITHONIA	ZL1D L48 5000LM FST MVOLT 40K 80CRI *	51.0
V	LED VAPOR TIGHT	4000	MVOLT	SURFACE	LITHONIA	FEM L48 4000LM LPAFL MD MVOLT GZ10 40K 80CRI DPMB MHCH 36	24.0
W	LED WALL PACK	4500	MVOLT	SURFACE	LITHONIA	WDGE2 LED P4 40K 80CRI T3M MVOLT SRM 5WG E10WCH *	47.0
X1	SINGLE-SIDE EXIT SIGN w/ EMERGENCY BATTERY	N/A	MVOLT	UNIVERSAL	LITHONIA	LQM S W 3 R 120/277 EL N SD	1.0
X2	DOUBLE-SIDE EXIT SIGN w/ EMERGENCY BATTERY	N/A	MVOLT	UNIVERSAL	LITHONIA	LQM S W 3 R 120/277 EL N SD	1.0

* ARCHITECT TO SELECT FIXTURE FINISHES/COLORS

LIGHTING GENERAL NOTES

- A. CONTRACTOR SHALL REFER TO ALL OTHER PORTIONS OF THE CONTRACT DOCUMENTS (PLANS, SPECIFICATIONS, ADDENDA, ARCHITECTURAL SUPPLEMENTAL INSTRUCTIONS AND ANY APPROVED CHANGE ORDERS) AND PROVIDE ALL LIGHT FIXTURES, OUTLETS, TELE/DATA OUTLETS, SPEAKERS, AND ASSOCIATED CIRCUITRY AS IF ORIGINALLY INCLUDED ON THE ELECTRICAL PLANS. IF THERE ARE ANY DISCREPANCIES, CONTRACTOR SHALL NOTIFY ARCHITECT/ENGINEER IN WRITING PRIOR TO ORDERING EQUIPMENT. ROUGH-IN FOR EQUIPMENT AND/OR INSTALLATION OF EQUIPMENT. PRIOR TO ROUGH-IN OF EQUIPMENT, CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING COPIES OF APPROVED SHOP DRAWINGS OF SUCH EQUIPMENT AND REVIEWING SAID SUBMITTALS TO ENSURE COMPATIBILITY WITH THE ELECTRICAL SYSTEM. CONTRACTOR SHALL IMMEDIATELY NOTIFY ARCHITECT/ENGINEER IN WRITING OF ANY DISCREPANCIES BETWEEN THE REQUIRED ROUGH-IN REQUIREMENTS AND THE ELECTRICAL SYSTEM.
- B. VERIFY EXIST MOUNTING HEIGHT OF ALL WALL MOUNTED FIXTURES W/ARCHITECT/OWNER PRIOR TO ROUGH-IN.
- C. REFER TO ARCHITECTURAL REFLECTED CEILING FOR ALL CEILING MOUNTED DEVICES.
- D. CONTRACTOR SHALL PROPERLY SEAL PENETRATIONS TO RATED ASSEMBLIES AND ALL EXTERIOR WALLS TO PROPERLY MAINTAIN RATING & ASSEMBLIES AND BUILDING ENVELOPE.
- E. CIRCUITS SHALL HAVE DEDICATED NEUTRALS. NEUTRALS SHALL NOT BE SHARED.
- F. AS A MINIMUM ALL ELECTRICAL WORK SHALL COMPLY WITH THE 2020 EDITION OF THE NATIONAL ELECTRICAL CODE.
- G. REFER TO ELECTRICAL DIVISION SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- H. VERIFY REQUIREMENTS FOR ALL OWNER FURNISHED EQUIPMENT PRIOR TO ROUGH-IN.
- I. ALL EXIT SIGNS SHALL BE 'UNSWITCHED'.
- J. EXTERIOR LIGHTING CONTROLLED VIA PHOTOCELL AND TIME CLOCK COMBINATION.
- K. SUBSCRIPTS AT LIGHT FIXTURE DESIGNATIONS DENOTE SWITCHING SCHEME.
- J. CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE INTERNATIONAL ENERGY CODE (IECC) 2021 RESIDENTIAL AND COMMERCIAL BUILDING ENERGY CODE FOR LIGHTING AND CONTROLS.

LIGHTING KEYNOTES

- 1) FIXTURE MOUNTING HEIGHTS VARY IN THIS SPACE. SEE MOUNTING HEIGHTS INDICATED FOR EACH ROW. CONTRACTOR SHALL REFER TO ARCHITECTURAL RCP AND SECTION VIEW OF THIS SPACE FOR FIXTURE MOUNTING HEIGHTS AND SHALL COORDINATE FINAL HEIGHTS WITH ARCHITECT PRIOR TO ROUGH-IN.
- 2) FIXTURE 'C' SHALL BE MOUNTED 12" A.F.F. TO BOTTOM OF FIXTURE. VERIFY FINAL MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN.
- 3) FIXTURE 'P' SHALL BE MOUNTED 7" A.F.F. TO BOTTOM OF FIXTURE. VERIFY FINAL MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN.
- 4) FIXTURE 'W' SHALL BE MOUNTED 10" A.F.F. TO BOTTOM OF FIXTURE. VERIFY FINAL MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN.
- 5) PHOTOCELL, MOUNT DEVICE 10" A.F.F. ALL EXTERIOR FIXTURES SHALL BE CONTROLLED VIA THIS PHOTOCELL. CONTRACTOR TO PROVIDE AND INSTALL LIGHTING CONTRACTORS AS NEEDED.
- 6) CONTRACTOR SHALL CONNECT LIGHTING IN THIS SPACE TO CIRCUIT INDICATED.
- 7) CONTRACTOR SHALL INCLUDE LIGHTING CONTROLS AND ALL REQUIRED SENSORS/CABLING FOR DAYLIGHT HARVESTING IN THIS SPACE.



Brossett
Architect



Brossett Architect, LLC • 414 Pujo St., Lake Charles, LA 70601

LAKE CHARLES PUBLIC WORKS
NEW FACILITY PHASE 2

4200 BROAD STREET
LAKE CHARLES, LA 70615

LAKE CHARLES, LA 70613
LIGHTING PLAN - CREW BUILDING

SHEET NO.

E2.1

ARCH #34000 BA

CONSTRUCTION DOCUMENTS



ASSOCIATED DESIGN GROUP, INC
3909 W Congress Street, Suite 201
Lafayette, Louisiana 70506
Phone: (337) 234-5710
Email: adginc@adginc.org

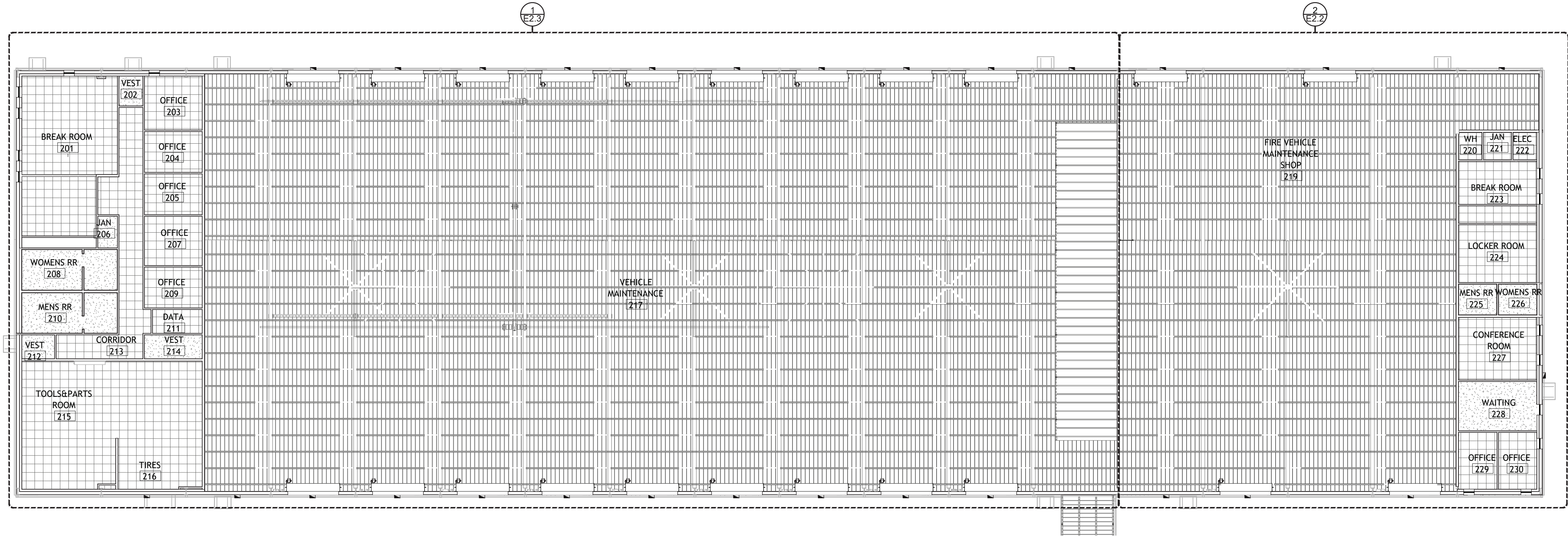
Project No. 25082

VER.	DATE	DESCRIPTION
0	12/20/2025	CONSTRUCTION DOCUMENTS

© COPYRIGHT 2025,
Brossett Architect, LLC
All Rights Reserved.
This document shall not be
copied or reproduced
without written permission.

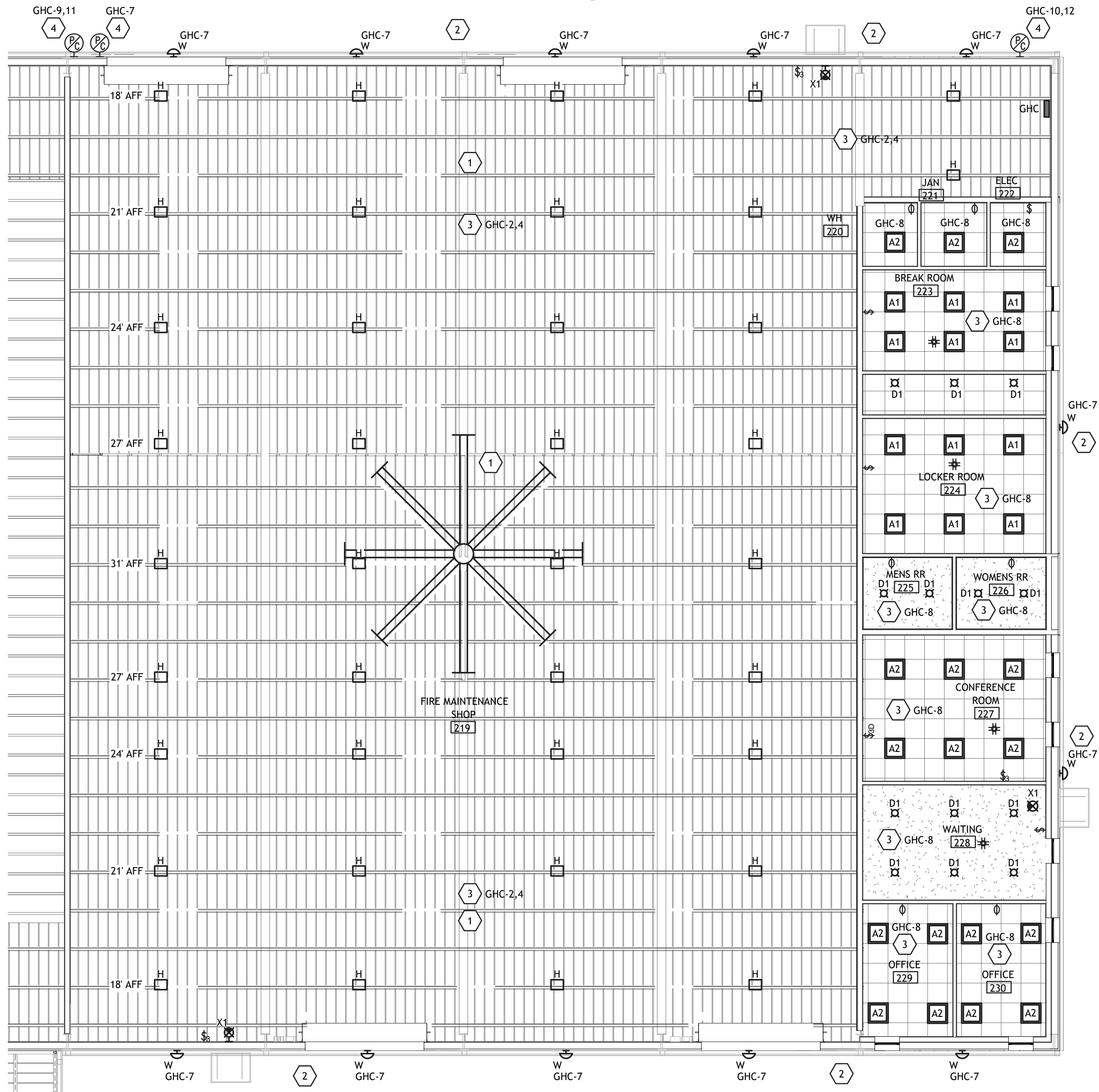
1 LIGHTING PLAN - VEHICLE MAINTENANCE

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



2 ENLARGED LIGHTING PLAN - VEHICLE MAINTENANCE

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



LIGHTING GENERAL NOTES

- A. CONTRACTOR SHALL REFER TO ALL OTHER PORTIONS OF THE CONTRACT DOCUMENTS (PLANS, SPECIFICATIONS, ADDENDA, ARCHITECTURAL SUPPLEMENTAL INSTRUCTIONS AND ANY APPROVED CHANGE ORDERS) AND PROVIDE ALL LIGHT FIXTURES, OUTLETS, TELE/DATE OUTLETS, SPEAKERS, AND ASSOCIATED CIRCUITRY AS IF ORIGINALLY INCLUDED ON THE ELECTRICAL PLANS. IF THERE ARE ANY DISCREPANCIES, CONTRACTOR SHALL NOTIFY ARCHITECT/ENGINEER IN WRITING PRIOR TO ORDERING EQUIPMENT, ROUGH-IN FOR EQUIPMENT AND/OR INSTALLATION OF EQUIPMENT. PRIOR TO ROUGH-IN OF EQUIPMENT, CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING COPIES OF APPROVED SHOP DRAWINGS OF SUCH EQUIPMENT AND REVIEWING SAID SUBMITTALS TO ENSURE COMPATIBILITY WITH THE ELECTRICAL SYSTEM. CONTRACTOR SHALL IMMEDIATELY NOTIFY ARCHITECT/ENGINEER IN WRITING OF ANY DISCREPANCIES BETWEEN THE REQUIRED ROUGH-IN REQUIREMENTS AND THE ELECTRICAL SYSTEM.
- B. VERIFY EXACT MOUNTING HEIGHT OF ALL WALL MOUNTED FIXTURES W/ARCHITECT/OWNER PRIOR TO ROUGH-IN.
- C. REFER TO ARCHITECTURAL REFLECTED CEILING FOR ALL CEILING MOUNTED DEVICES.
- D. CONTRACTOR SHALL PROPERLY SEAL PENETRATIONS TO RATED ASSEMBLIES AND ALL EXTERIOR WALLS TO PROPERLY MAINTAIN RATING & ASSEMBLIES AND BUILDING ENVELOPE.
- E. CIRCUITS SHALL HAVE DEDICATED NEUTRALS. NEUTRALS SHALL NOT BE SHARED.
- F. AS A MINIMUM ALL ELECTRICAL WORK SHALL COMPLY WITH THE 2020 EDITION OF THE NATIONAL ELECTRICAL CODE.
- G. REFER TO ELECTRICAL DIVISION SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- H. VERIFY REQUIREMENTS FOR ALL OWNER FURNISHED EQUIPMENT PRIOR TO ROUGH-IN.
- I. ALL EXIT SIGNS SHALL BE 'UNSWITCHED'.
- J. EXTERIOR LIGHTING CONTROLLED VIA PHOTOCELL.
- K. SUBSCRIPTS AT LIGHT FIXTURE DESIGNATIONS DENOTE SWITCHING SCHEME.
- L. CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE INTERNATIONAL ENERGY CODE (IECC) 2021 RESIDENTIAL AND COMMERCIAL BUILDING ENERGY CODE FOR LIGHTING AND CONTROLS.

LIGHTING KEYNOTES

1. FIXTURE 'H' SHALL BE MOUNTED AS INDICATED AT THE BEGINNING OF EVERY ROW TO BOTTOM OF FIXTURE. VERIFY FINAL MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN.
2. FIXTURE 'W' SHALL BE MOUNTED 16' A.F.F. TO BOTTOM OF FIXTURE. VERIFY FINAL MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN.
3. CONTRACTOR SHALL CONNECT LIGHTING IN THIS SPACE TO CIRCUIT INDICATED.
4. PHOTOCELL. MOUNT DEVICE 10' A.F.F. ALL EXTERIOR FIXTURES SHALL BE CONTROLLED VIA THIS PHOTOCELL. CONTRACTOR TO PROVIDE AND INSTALL LIGHTING CONTRACTORS AS NEEDED.



Brossett
Architect



Brossett Architect, LLC • 414 Pujo St., Lake Charles, LA 70601

LAKE CHARLES PUBLIC WORKS
NEW FACILITY PHASE 2

4200 BROAD STREET
LAKE CHARLES, LA 70615

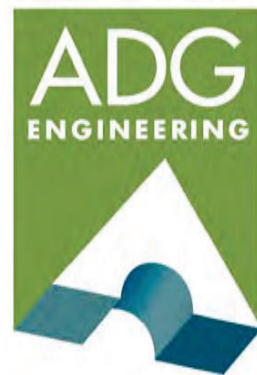
LIGHTING PLAN - VEHICLE MAINTENANCE

SHEET NO.

E2.2

ARCH #24009 BA

CONSTRUCTION DOCUMENTS



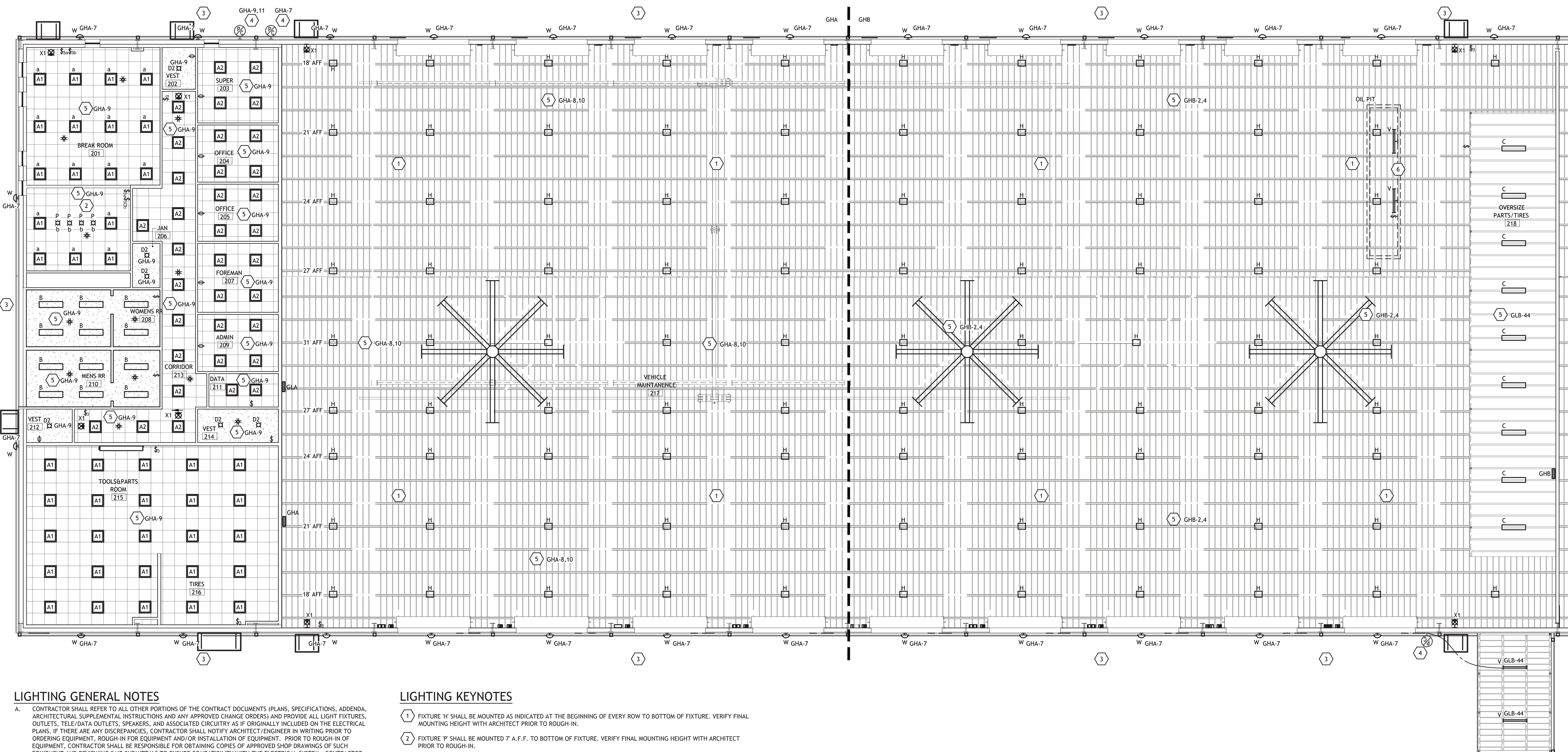
ASSOCIATED DESIGN GROUP, INC.
3909 W Congress Street, Suite 201
Lafayette, Louisiana 70506
Phone: (337) 234-5710
Email: adginc@adginc.org

Project No. 25082

VER.	DATE	DESCRIPTION
0	12/20/2025	CONSTRUCTION DOCUMENTS

© COPYRIGHT 2025, Brossett Architect, LLC
All Rights Reserved.
This document shall not be copied or reproduced without written permission.

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



A. CONTRACTOR SHALL REFER TO ALL OTHER PORTIONS OF THE CONTRACT DOCUMENTS (PLANS, SPECIFICATIONS, ADDENDA, ARCHITECTURAL SUPPLEMENTAL INSTRUCTIONS AND ANY APPROVED CHANGE ORDERS) AND PROVIDE ALL LIGHT FIXTURES, OUTLETS, TELEPHONE OUTLETS, SPEAKERS, AND ASSOCIATED CIRCUITRY AS IF ORIGINALLY INCLUDED ON THE ELECTRICAL PLANS. IF THERE ARE ANY DISCREPANCIES, CONTRACTOR SHALL NOTIFY ARCHITECT/ENGINEER IN WRITING PRIOR TO ORDERING EQUIPMENT, ROUGH-IN FOR EQUIPMENT AND/OR INSTALLATION OF EQUIPMENT. PRIOR TO ROUGH-IN OF EQUIPMENT, CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING COPIES OF APPROVED SHOP DRAWINGS OF SUCH EQUIPMENT AND REVIEWING SAID SUBMITTALS TO ENSURE COMPATIBILITY WITH THE ELECTRICAL SYSTEM. CONTRACTOR SHALL IMMEDIATELY NOTIFY ARCHITECT/ENGINEER IN WRITING OF ANY DISCREPANCIES BETWEEN THE REQUIRED ROUGH-IN REQUIREMENTS AND THE ELECTRICAL SYSTEM.

B. VERIFY EXACT MOUNTING HEIGHT OF ALL WALL MOUNTED FIXTURES W/ARCHITECT/OWNER PRIOR TO ROUGH-IN.

C. REFER TO ARCHITECTURAL REFLECTED CEILING FOR ALL CEILING MOUNTED DEVICES.

D. CONTRACTOR SHALL PROPERLY SEAL PENETRATIONS TO RATED ASSEMBLIES AND ALL EXTERIOR WALLS TO PROPERLY MAINTAIN RATING & ASSEMBLIES AND BUILDING ENVELOPE.

E. CIRCUITS SHALL HAVE DEDICATED NEUTRALS. NEUTRALS SHALL NOT BE SHARED.

F. AS A MINIMUM ALL ELECTRICAL WORK SHALL COMPLY WITH THE 2020 EDITION OF THE NATIONAL ELECTRICAL CODE.

G. REFER TO ELECTRICAL DIVISION SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

H. VERIFY REQUIREMENTS FOR ALL OWNER FURNISHED EQUIPMENT PRIOR TO ROUGH-IN.

I. ALL EXIT SIGNS SHALL BE 'UNSWITCHED'.

J. EXTERIOR LIGHTING CONTROLLED VIA PHOTOCELL.

K. SUBSCRIPTS AT LIGHT FIXTURE DESIGNATIONS DENOTE SWITCHING SCHEME.

J. CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE INTERNATIONAL ENERGY CODE (IECC) 2021 RESIDENTIAL AND COMMERCIAL BUILDING ENERGY CODE FOR LIGHTING AND CONTROLS.

- 1) FIXTURE 'H' SHALL BE MOUNTED AS INDICATED AT THE BEGINNING OF EVERY ROW TO BOTTOM OF FIXTURE. VERIFY FINAL MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN.
- 2) FIXTURE 'P' SHALL BE MOUNTED 7 A.F.F. TO BOTTOM OF FIXTURE. VERIFY FINAL MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN.
- 3) FIXTURE 'W' SHALL BE MOUNTED 16' A.F.F. TO BOTTOM OF FIXTURE. VERIFY FINAL MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN.
- 4) PHOTOCELL. MOUNT DEVICE 10' A.F.F. ALL EXTERIOR FIXTURES SHALL BE CONTROLLED VIA THIS PHOTOCELL. CONTRACTOR TO PROVIDE AND INSTALL LIGHTING CONTRACTORS AS NEEDED.
- 5) CONTRACTOR SHALL CONNECT LIGHTING IN THIS SPACE TO CIRCUIT INDICATED.
- 6) FIXTURE 'V' TO BE WALL MOUNTED INSIDE OIL PIT 12' B.F.F. CIRCUIT TO GLB-44.



ASSOCIATED DESIGN GROUP, INC.
3909 W Congress Street, Suite 201
Lafayette, Louisiana 70506
Phone: (337) 234-5710
Email: adginc@adginc.org

Project No. 25082

CONSTRUCTION DOCUMENTS

LAKE CHARLES PUBLIC WORKS
NEW FACILITY PHASE 2

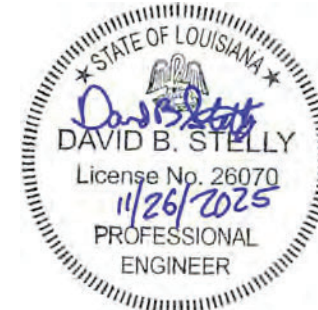
4200 BROAD STREET

ENLARGED LIGHTING PLANS - VEHICLE MAINTENANCE



Brossett
Architect

Brossett Architect, LLC • 414 Pujo St., Lake Charles, LA 70601



SHEET NO.

E2.3

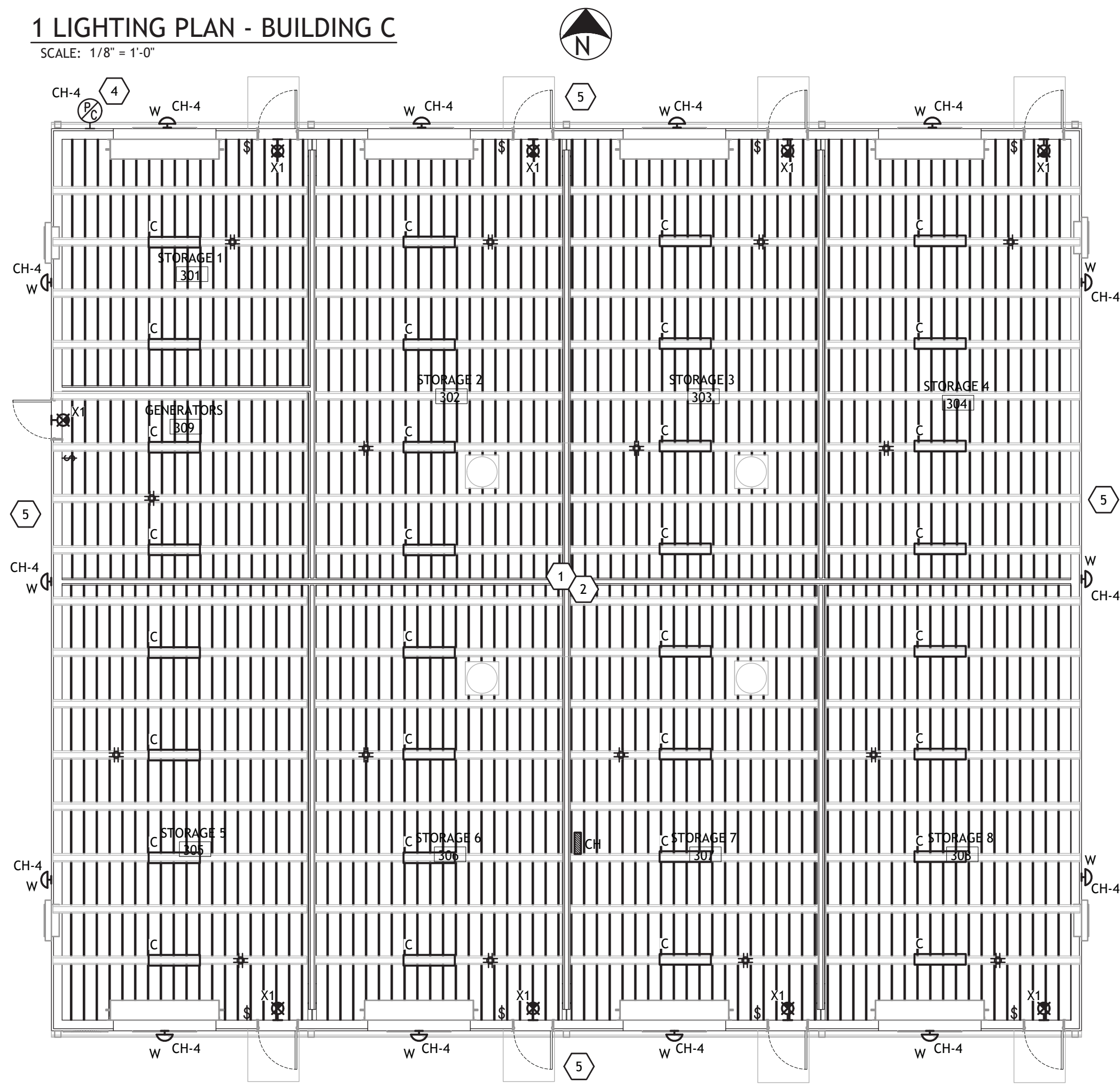
ARCH #24009 BA

VER.	DATE	DESCRIPTION
0	12/20/2025	CONSTRUCTION DOCUMENTS

© COPYRIGHT 2025,
Brossett Architect, LLC
All Rights Reserved.
This document shall not be
copied or reproduced
without written permission.

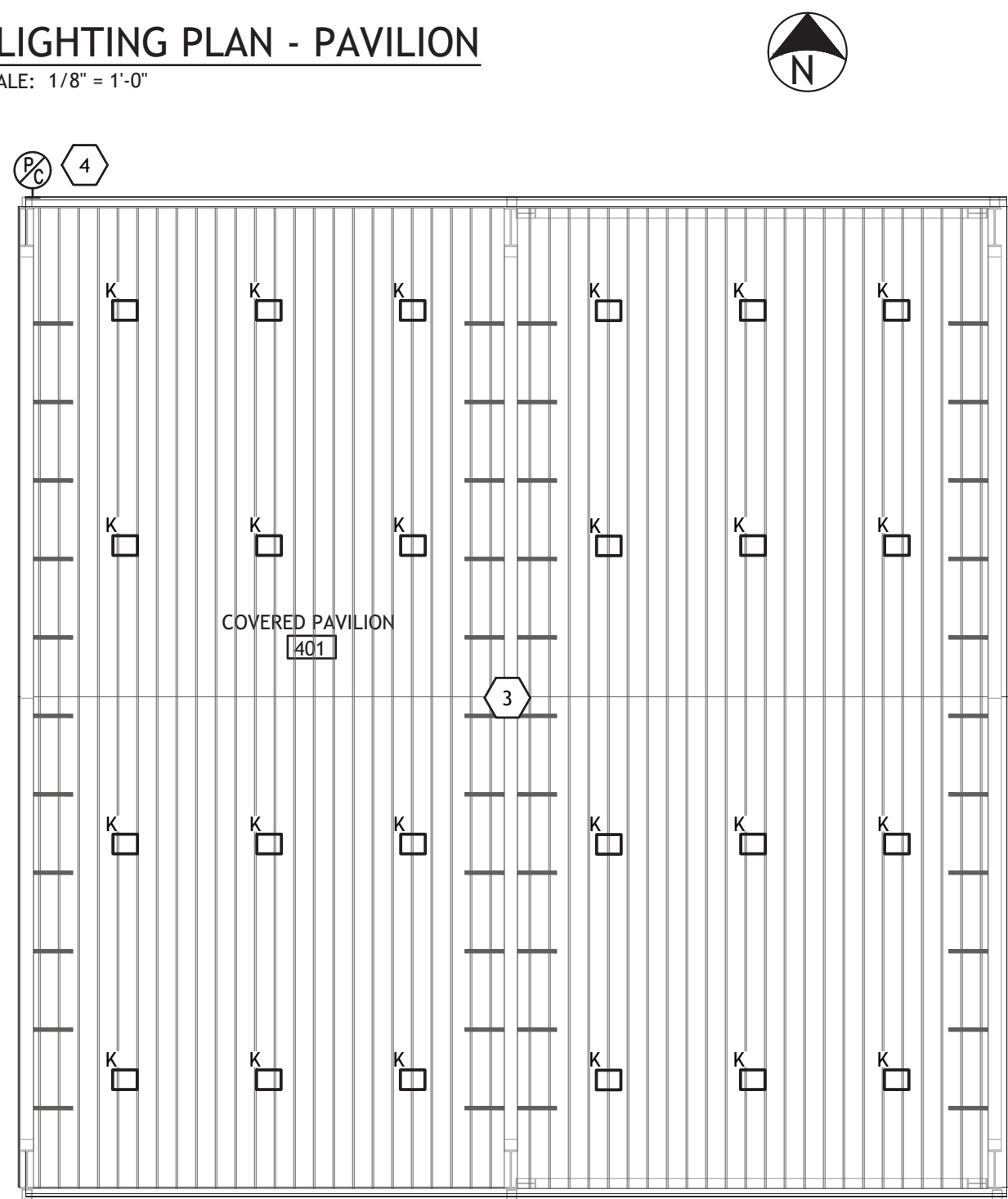
1 LIGHTING PLAN - BUILDING C

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



2 LIGHTING PLAN - PAVILION

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

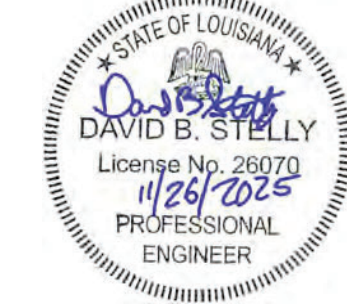


LIGHTING GENERAL NOTES

- A. CONTRACTOR SHALL REFER TO ALL OTHER PORTIONS OF THE CONTRACT DOCUMENTS (PLANS, SPECIFICATIONS, ADDENDA, ARCHITECTURAL SUPPLEMENTAL INSTRUCTIONS AND ANY APPROVED CHANGE ORDERS) AND PROVIDE ALL LIGHT FIXTURES, OUTLETS, TELE/DATA OUTLETS, SPEAKERS, AND ASSOCIATED CIRCUITRY AS IF ORIGINALLY INCLUDED ON THE ELECTRICAL PLANS. IF THERE ARE ANY DISCREPANCIES, CONTRACTOR SHALL NOTIFY ARCHITECT/ENGINEER IN WRITING PRIOR TO ORDERING EQUIPMENT, ROUGH-IN FOR EQUIPMENT AND/OR INSTALLATION OF EQUIPMENT. PRIOR TO ROUGH-IN OF EQUIPMENT, CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING COPIES OF APPROVED SHOP DRAWINGS OF SUCH EQUIPMENT AND REVIEWING SAID SUBMITTALS TO ENSURE COMPATIBILITY WITH THE ELECTRICAL SYSTEM. CONTRACTOR SHALL IMMEDIATELY NOTIFY ARCHITECT/ENGINEER IN WRITING OF ANY DISCREPANCIES BETWEEN THE REQUIRED ROUGH-IN REQUIREMENTS AND THE ELECTRICAL SYSTEM.
- B. VERIFY EXACT MOUNTING HEIGHT OF ALL WALL MOUNTED FIXTURES W/ARCHITECT/OWNER PRIOR TO ROUGH-IN.
- C. REFER TO ARCHITECTURAL REFLECTED CEILING FOR ALL CEILING MOUNTED DEVICES.
- D. CONTRACTOR SHALL PROPERLY SEAL PENETRATIONS TO RATED ASSEMBLIES AND ALL EXTERIOR WALLS TO PROPERLY MAINTAIN RATING & ASSEMBLIES AND BUILDING ENVELOPE.
- E. CIRCUITS SHALL HAVE DEDICATED NEUTRALS. NEUTRALS SHALL NOT BE SHARED.
- F. AS A MINIMUM ALL ELECTRICAL WORK SHALL COMPLY WITH THE 2020 EDITION OF THE NATIONAL ELECTRICAL CODE.
- G. REFER TO ELECTRICAL DIVISION SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- H. VERIFY REQUIREMENTS FOR ALL OWNER FURNISHED EQUIPMENT PRIOR TO ROUGH-IN.
- I. ALL EXIT SIGNS SHALL BE 'UNSWITCHED'.
- J. EXTERIOR LIGHTING CONTROLLED VIA PHOTOCELL.
- J. CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE INTERNATIONAL ENERGY CODE (IECC) 2021 RESIDENTIAL AND COMMERCIAL BUILDING ENERGY CODE FOR LIGHTING AND CONTROLS.

LIGHTING KEYNOTES

- 1 FIXTURE 'C' SHALL BE MOUNTED 12' A.F.F. TO BOTTOM OF FIXTURE. VERIFY FINAL MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN.
- 2 ALL LIGHT FIXTURES SHALL BE WIRED TO CIRCUIT CH-2.
- 3 ALL LIGHT FIXTURES SHALL BE WIRED TO CIRCUIT BH-2.
- 4 EXTERIOR FIXTURES ARE TO BE CONTROLLED VIA PHOTOCELL. PHOTOCELL TO MOUNTED 10' A.F.F.
- 5 FIXTURE 'W' SHALL BE MOUNTED 16' A.F.F. TO BOTTOM OF FIXTURE. VERIFY FINAL MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN.



Brossett
Architect



Brossett Architect, LLC • 414 Pujo St., Lake Charles, LA 70601

LAKE CHARLES PUBLIC WORKS
NEW FACILITY PHASE 2

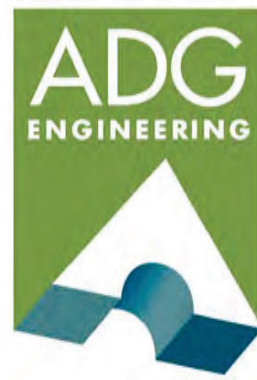
4200 BROAD STREET
LAKE CHARLES, LA 70615
LIGHTING PLAN - BUILDING C & PAVILION

SHEET NO.

E2.4

ARCH #24009 BA

CONSTRUCTION DOCUMENTS



ASSOCIATED DESIGN GROUP, INC.
3909 W Congress Street, Suite 201
Lafayette, Louisiana 70506
Phone: (337) 234-5710
Email: adginc@adginc.org

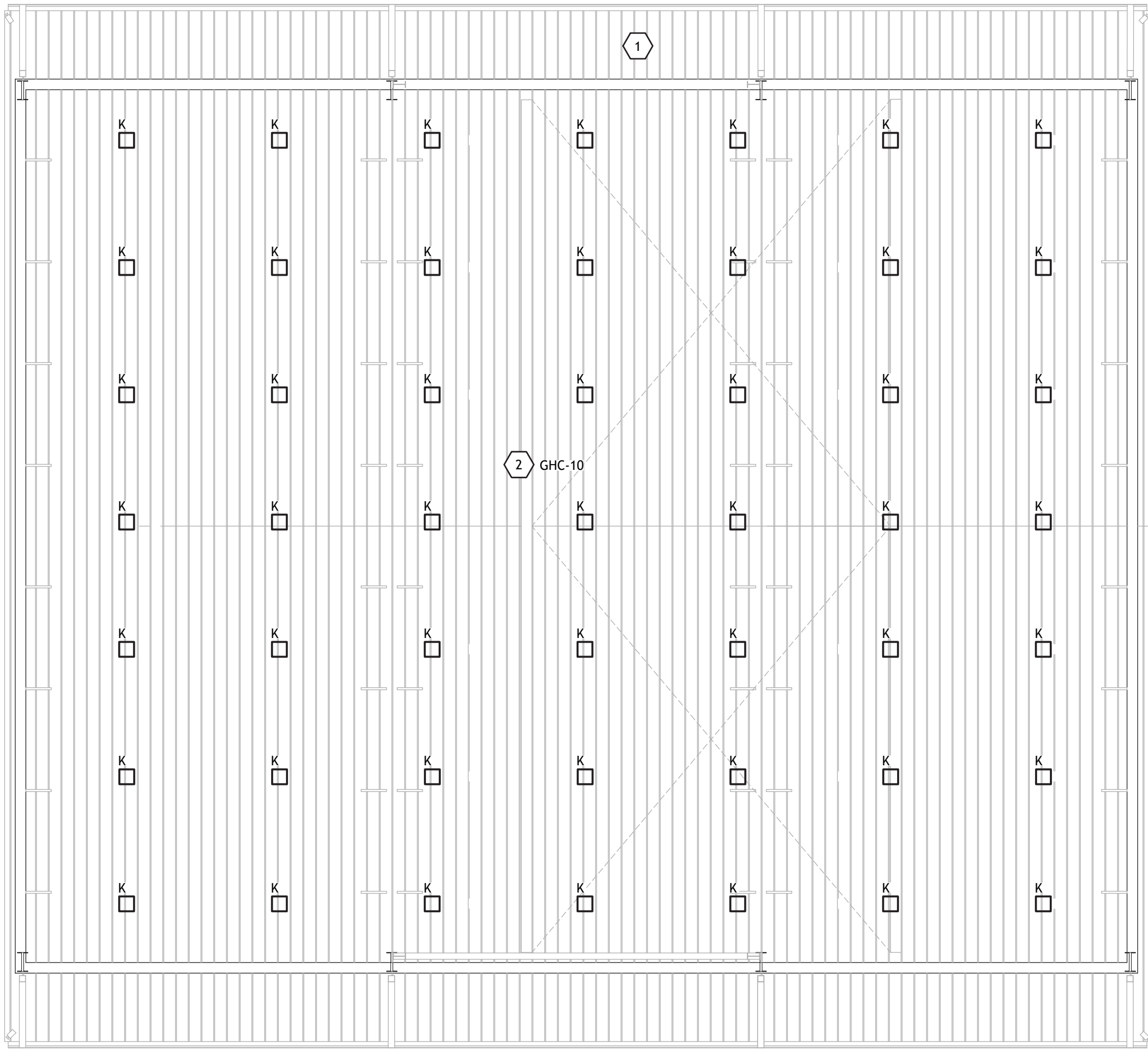
Project No. 25082

VER.	DATE	DESCRIPTION
0	12/20/2025	CONSTRUCTION DOCUMENTS

© COPYRIGHT 2025,
Brossett Architect, LLC
All Rights Reserved.
This document shall not be
copied or reproduced
without written permission.

1 LIGHTING PLAN - COVERED BUSS

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



LIGHTING GENERAL NOTES

- A. CONTRACTOR SHALL REFER TO ALL OTHER PORTIONS OF THE CONTRACT DOCUMENTS (PLANS, SPECIFICATIONS, ADDENDA, ARCHITECTURAL SUPPLEMENTAL INSTRUCTIONS AND ANY APPROVED CHANGE ORDERS) AND PROVIDE ALL LIGHT FIXTURES, OUTLETS, TELE/DATA OUTLETS, SPEAKERS, AND ASSOCIATED CIRCUITRY AS IF ORIGINALLY INCLUDED ON THE ELECTRICAL PLANS. IF THERE ARE ANY DISCREPANCIES, CONTRACTOR SHALL NOTIFY ARCHITECT/ENGINEER IN WRITING PRIOR TO ORDERING EQUIPMENT, ROUGH-IN FOR EQUIPMENT AND/OR INSTALLATION OF EQUIPMENT. PRIOR TO ROUGH-IN OF EQUIPMENT, CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING COPIES OF APPROVED SHOP DRAWINGS OF SUCH EQUIPMENT AND REVIEWING SAID SUBMITTALS TO ENSURE COMPATIBILITY WITH THE ELECTRICAL SYSTEM. CONTRACTOR SHALL IMMEDIATELY NOTIFY ARCHITECT/ENGINEER IN WRITING OF ANY DISCREPANCIES BETWEEN THE REQUIRED ROUGH-IN REQUIREMENTS AND THE ELECTRICAL SYSTEM.
- B. VERIFY EXACT MOUNTING HEIGHT OF ALL WALL MOUNTED FIXTURES W/ARCHITECT/OWNER PRIOR TO ROUGH-IN.
- C. REFER TO ARCHITECTURAL REFLECTED CEILING FOR ALL CEILING MOUNTED DEVICES.
- D. CONTRACTOR SHALL PROPERLY SEAL PENETRATIONS TO RATED ASSEMBLIES AND ALL EXTERIOR WALLS TO PROPERLY MAINTAIN RATING & ASSEMBLIES AND BUILDING ENVELOPE.
- E. CIRCUITS SHALL HAVE DEDICATED NEUTRALS. NEUTRALS SHALL NOT BE SHARED.
- F. AS A MINIMUM ALL ELECTRICAL WORK SHALL COMPLY WITH THE 2020 EDITION OF THE NATIONAL ELECTRICAL CODE.
- G. REFER TO ELECTRICAL DIVISION SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- H. VERIFY REQUIREMENTS FOR ALL OWNER FURNISHED EQUIPMENT PRIOR TO ROUGH-IN.
- I. EXTERIOR LIGHTING CONTROLLED VIA PHOTOCELL.
- J. CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE INTERNATIONAL ENERGY CODE (IECC) 2021 RESIDENTIAL AND COMMERCIAL BUILDING ENERGY CODE FOR LIGHTING AND CONTROLS.

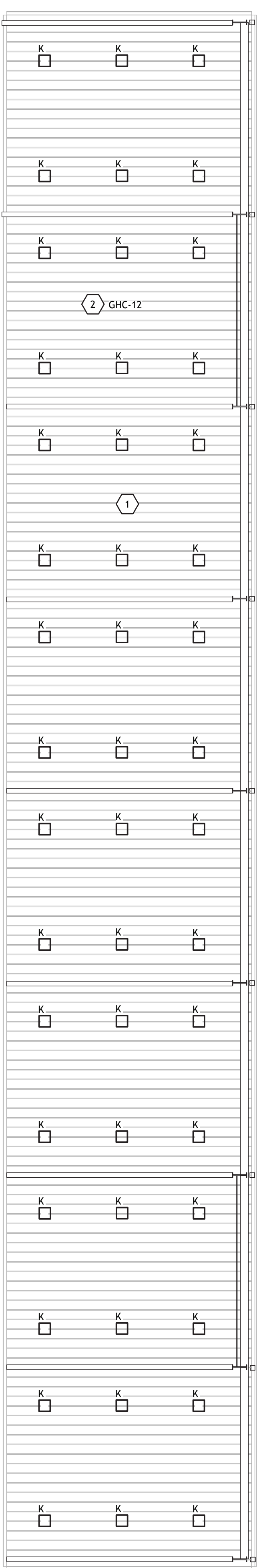
LIGHTING KEYNOTES

- 1 LIGHTS SERVING THIS SPACE SHALL BE CONTROLLED VIA PHOTOCELL MOUNTED AT NORTHEAST CORNER OF BUILDING G. REFER TO SHEET E2.2 FOR PHOTOCELL LOCATION.

- 2 CONTRACTOR SHALL CONNECT LIGHTING IN THIS SPACE TO CIRCUIT INDICATED.

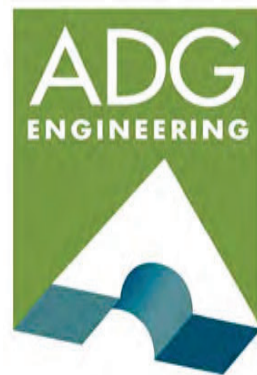
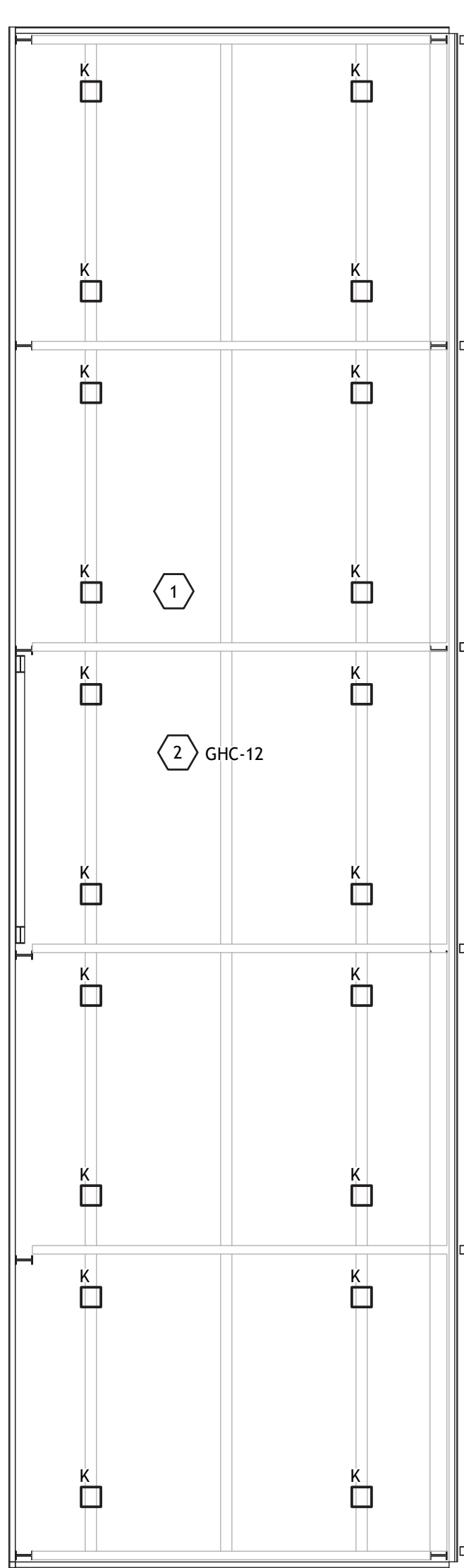
2 LIGHTING PLAN - COVERED EQUIP

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



3 LIGHTING PLAN - COVERED SAND/DIRT PIT

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



ASSOCIATED DESIGN GROUP, INC.
3909 W Congress Street, Suite 201
Lafayette, Louisiana 70506
Phone: (337) 234-5710
Email: adginc@adginc.org

Project No. 25082

CONSTRUCTION DOCUMENTS



Brossett
Architect



Brossett Architect, LLC • 414 Pujo St., Lake Charles, LA 70601

LAKE CHARLES PUBLIC WORKS
NEW FACILITY PHASE 2

4200 BROAD STREET
LAKE CHARLES, LA 70615

LIGHTING PLANS - COVERED BUS, COVERED EQUIPMENT,
AND COVERED SAND/DIRT PIT

SHEET NO.

E2.5

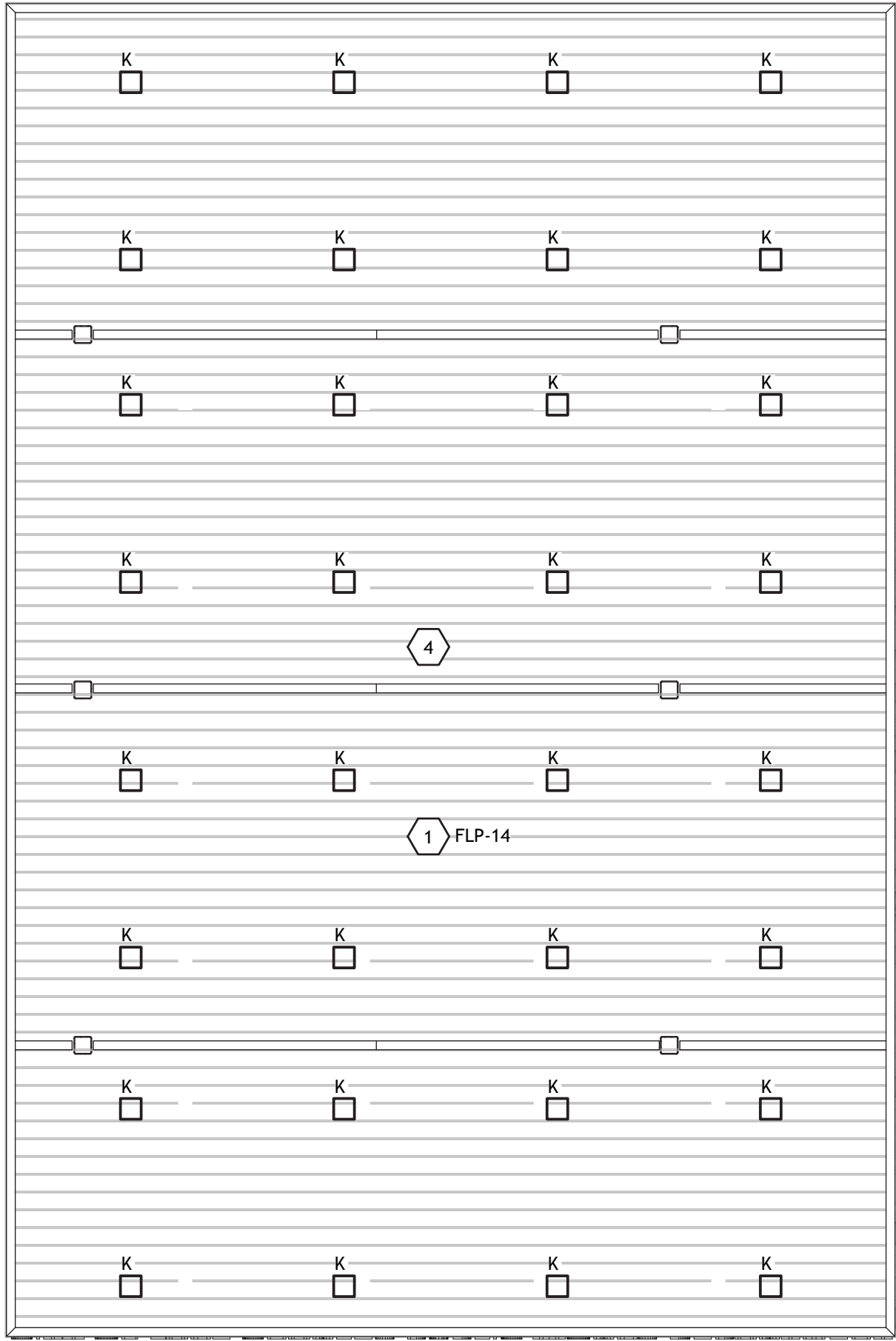
ARCH #24009 BA

VER.	DATE	DESCRIPTION
0	12/20/2025	CONSTRUCTION DOCUMENTS

© COPYRIGHT 2025,
Brossett Architect, LLC
All Rights Reserved.
This document shall not be
copied or reproduced
without written permission.

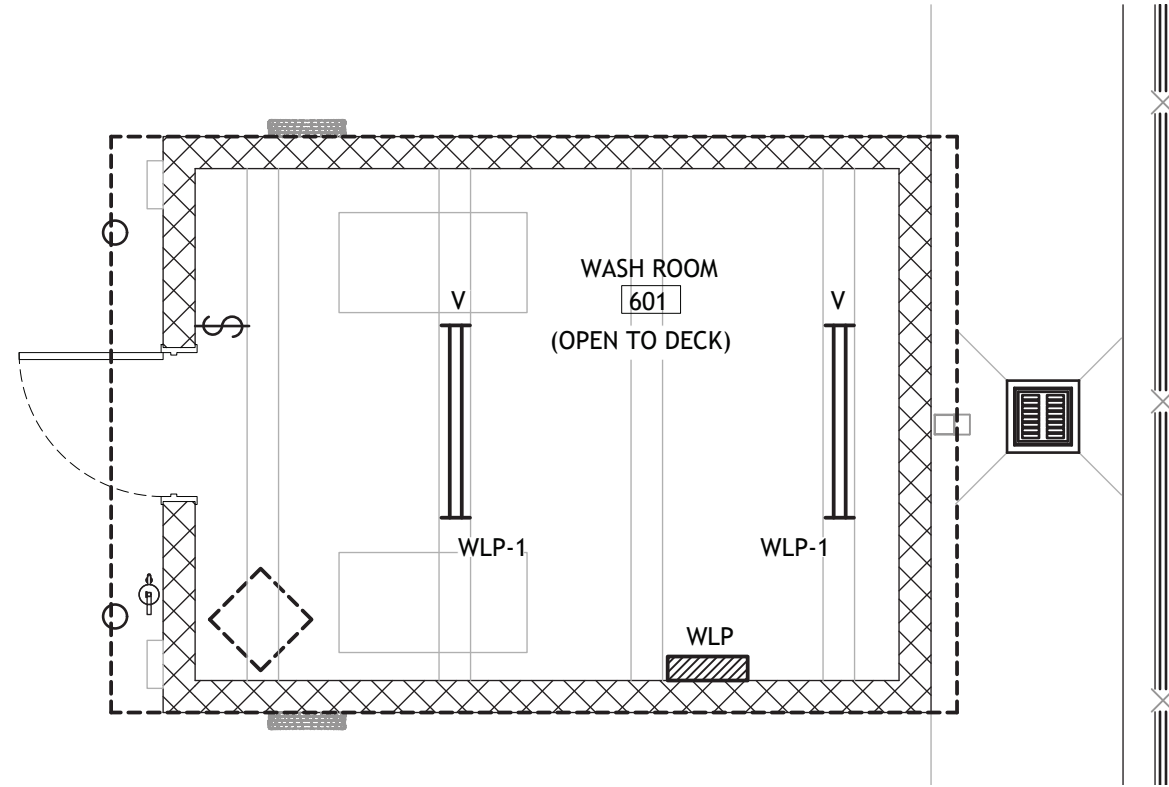
1 ENLARGED LIGHTING PLAN - FUEL STATION

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



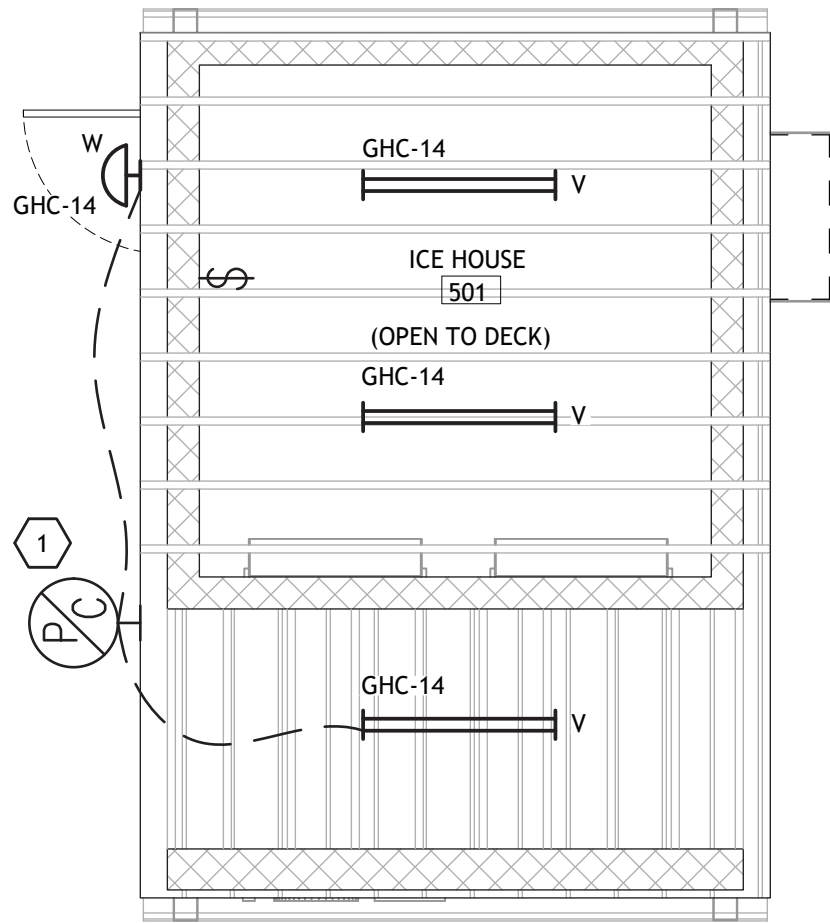
2 ENLARGED LIGHTING PLAN - WASH ROOM

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



3 ENLARGED LIGHTING PLAN - ICE HOUSE

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



LIGHTING GENERAL NOTES

- A. CONTRACTOR SHALL REFER TO ALL OTHER PORTIONS OF THE CONTRACT DOCUMENTS (PLANS, SPECIFICATIONS, ADDENDA, ARCHITECTURAL SUPPLEMENTAL INSTRUCTIONS AND ANY APPROVED CHANGE ORDERS) AND PROVIDE ALL LIGHT FIXTURES, OUTLETS, TELE/ DATA OUTLETS, SPEAKERS, AND ASSOCIATED CIRCUITRY AS IF ORIGINALLY INCLUDED ON THE ELECTRICAL PLANS. IF THERE ARE ANY DISCREPANCIES, CONTRACTOR SHALL NOTIFY ARCHITECT/ENGINEER IN WRITING PRIOR TO ORDERING EQUIPMENT, ROUGH-IN FOR EQUIPMENT AND/OR INSTALLATION OF EQUIPMENT. PRIOR TO ROUGH-IN OF EQUIPMENT, CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING COPIES OF APPROVED SHOP DRAWINGS OF SUCH EQUIPMENT AND REVIEWING SAID SUBMITTALS TO ENSURE COMPATIBILITY WITH THE ELECTRICAL SYSTEM. CONTRACTOR SHALL IMMEDIATELY NOTIFY ARCHITECT/ENGINEER IN WRITING OF ANY DISCREPANCIES BETWEEN THE REQUIRED ROUGH-IN REQUIREMENTS AND THE ELECTRICAL SYSTEM.
- B. VERIFY EXACT MOUNTING HEIGHT OF ALL WALL MOUNTED FIXTURES W/ARCHITECT/OWNER PRIOR TO ROUGH-IN.
- C. REFER TO ARCHITECTURAL REFLECTED CEILING FOR ALL CEILING MOUNTED DEVICES.
- D. CONTRACTOR SHALL PROPERLY SEAL PENETRATIONS TO RATED ASSEMBLIES AND ALL EXTERIOR WALLS TO PROPERLY MAINTAIN RATING & ASSEMBLIES AND BUILDING ENVELOPE.
- E. CIRCUITS SHALL HAVE DEDICATED NEUTRALS. NEUTRALS SHALL NOT BE SHARED.
- F. AS A MINIMUM ALL ELECTRICAL WORK SHALL COMPLY WITH THE 2020 EDITION OF THE NATIONAL ELECTRICAL CODE.
- G. REFER TO ELECTRICAL DIVISION SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- H. VERIFY REQUIREMENTS FOR ALL OWNER FURNISHED EQUIPMENT PRIOR TO ROUGH-IN.
- I. EXTERIOR LIGHTING CONTROLLED VIA PHOTOCELL.
- J. CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE INTERNATIONAL ENERGY CODE (IECC) 2021 RESIDENTIAL AND COMMERCIAL BUILDING ENERGY CODE FOR LIGHTING AND CONTROLS.

LIGHTING KEYNOTES

- 1 PHOTOCELL. MOUNT DEVICE AT EAVE HEIGHT ALL EXTERIOR FIXTURES SHALL BE CONTROLLED VIA THIS PHOTOCELL.
- 2 FIXTURE 'W' SHALL BE MOUNTED 10' A.F.F. TO BOTTOM OF FIXTURE. VERIFY FINAL MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN.
- 3 CONTRACTOR SHALL CONNECT LIGHTING IN THIS SPACE TO CIRCUIT INDICATED.
- 4 FIXTURES SHALL BE CONTROLLED VIA PHOTOCELL MOUNTED AT PANEL FLP GEAR RACK. REFER TO SHEET E3.6 FOR PANEL FLP LOCATION.



ASSOCIATED DESIGN GROUP, INC.
3909 W Congress Street, Suite 201
Lafayette, Louisiana 70506
Phone: (337) 234-5710
Email: adginc@adginc.org

Project No. 25082

CONSTRUCTION DOCUMENTS

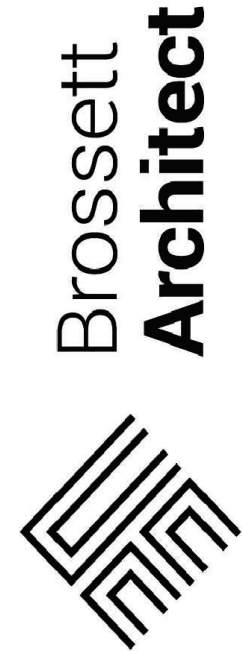
SHEET NO.
E2.6

VER.	DATE	DESCRIPTION
0	12/20/2025	CONSTRUCTION DOCUMENTS

© COPYRIGHT 2025,
Brossett Architect, LLC
All Rights Reserved.
This document shall not be
copied or reproduced
without written permission.

LAKE CHARLES PUBLIC WORKS
NEW FACILITY PHASE 2

4200 BROAD STREET
LAKE CHARLES, LA 70615
ENLARGED LIGHTING PLANS - FUEL STATION, ICE HOUSE,
WASHROOM

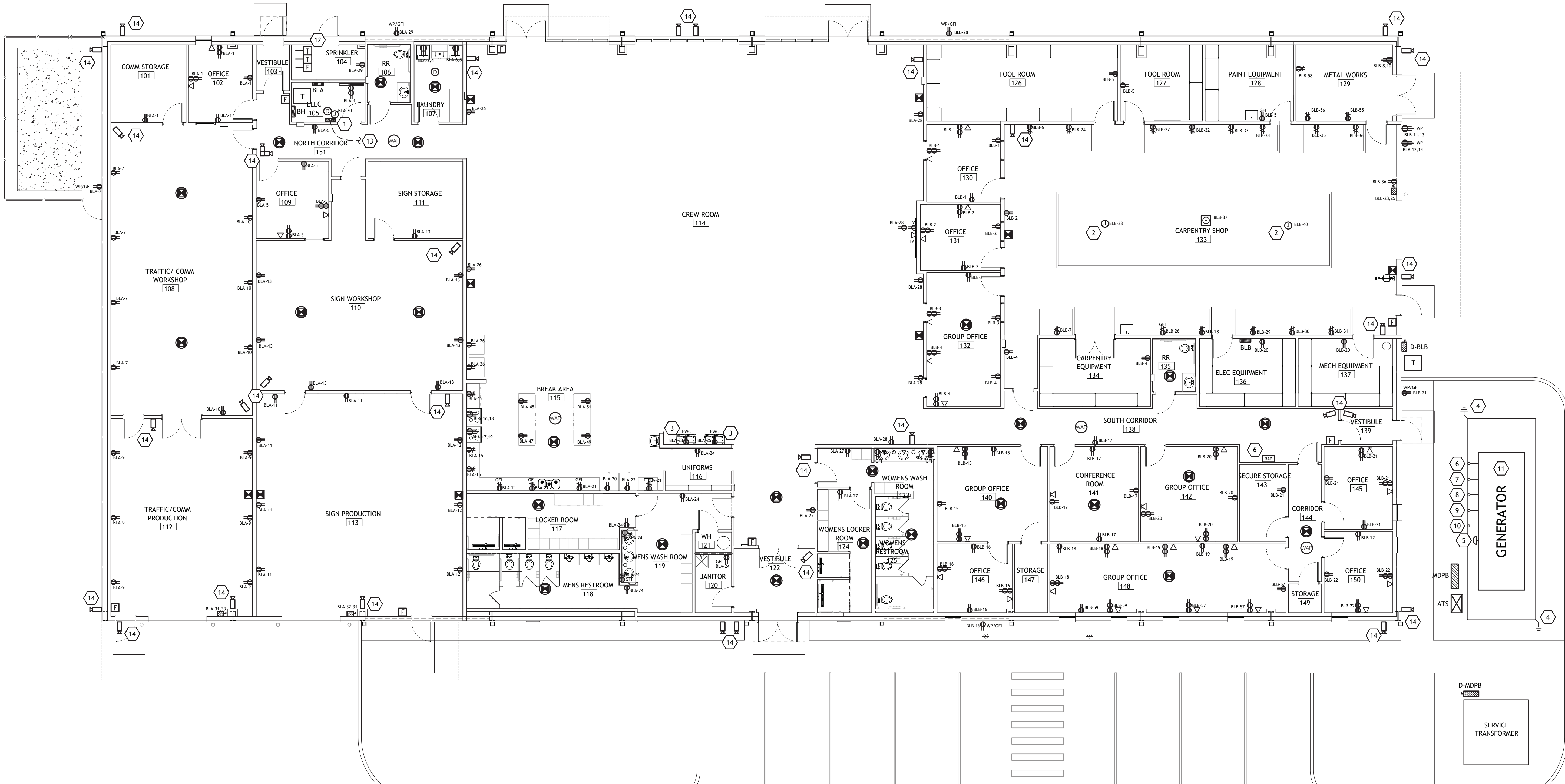


Brossett Architect, LLC • 414 Pujio St., Lake Charles, LA 70601





DUST COLLECTOR



POWER & SPECIAL SYSTEMS GENERAL NOTES

- A. CONTRACTOR SHALL REFER TO ALL OTHER PORTIONS OF THE CONTRACT DOCUMENTS (PLANS, SPECIFICATIONS, ADDENDA, ARCHITECTURAL SUPPLEMENTAL INSTRUCTIONS AND ANY APPROVED CHANGE ORDERS) AND PROVIDE ALL LIGHT FIXTURES, OUTLETS, TELE/DATA OUTLETS, SPEAKERS, AND ASSOCIATED CIRCUITRY AS IF ORIGINALLY INCLUDED ON THE ELECTRICAL PLANS. IF THERE ARE ANY DISCREPANCIES, CONTRACTOR SHALL NOTIFY ARCHITECT/ENGINEER IN WRITING PRIOR TO ORDERING EQUIPMENT, ROUGH-IN FOR EQUIPMENT AND/OR INSTALLATION OF EQUIPMENT. PRIOR TO ROUGH-IN OF EQUIPMENT, CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING COPIES OF APPROVED SHOP DRAWINGS OF SUCH EQUIPMENT AND REVIEWING SAID SUBMITTALS TO ENSURE COMPATIBILITY WITH THE ELECTRICAL SYSTEM. CONTRACTOR SHALL IMMEDIATELY NOTIFY ARCHITECT/ENGINEER IN WRITING OF ANY DISCREPANCIES BETWEEN THE REQUIRED ROUGH-IN REQUIREMENTS AND THE ELECTRICAL SYSTEM.
- B. COORDINATE INSTALLATION OF ALL CEILING MOUNTED DEVICES W/ARCHITECT PRIOR TO ROUGH-IN.
- C. COORDINATE EXACT PLACEMENT FOR ALL DEVICES WHERE MILLWORK IS PRESENT PRIOR TO ROUGH-IN. DO NOT ROUGH-IN BEHIND CABINETS, DRAWERS, ETC RENDERING DEVICE UNUSABLE.
- D. CONTRACTOR SHALL PROPERLY SEAL PENETRATIONS TO RATED ASSEMBLIES AND ALL EXTERIOR WALLS TO PROPERLY MAINTAIN RATING & ASSEMBLIES AND BUILDING ENVELOPE.
- E. CONTRACTOR SHALL VISIT THE SITE AND FIELD VERIFY EXISTING CONDITIONS PRIOR TO BIDDING ANY WORK TO BE DONE.
- F. AS A MINIMUM ALL ELECTRICAL WORK SHALL COMPLY WITH THE 2020 EDITION OF THE NATIONAL ELECTRICAL CODE.
- G. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- H. RECEPTACLES WITHIN 6' OF A SINK OR LAVATORY SHALL HAVE GFCI PROTECTION.
- I. ALL 120V 15A & 20 RECEPTACLES IN FOOD PREP AREAS SHALL BE GFCI PROTECTED AS REQUIRED BY NEC.
- J. ALL NEW CIRCUIT BREAKERS WITHIN EACH EXISTING PANELBOARD SHALL BE THE SAME MANUFACTURER TYPE, STYLE AND A.I.C. RATING OF EXISTING PANELBOARD.
- K. CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE INTERNATIONAL ENERGY CODE (IECC) 2021 RESIDENTIAL AND COMMERCIAL BUILDING ENERGY CODE FOR LIGHTING AND CONTROLS.

POWER & SPECIAL SYSTEMS KEYNOTES

- 1 FIRE ALARM CONTROL PANEL TO HAVE VOICE EVACUATION.
- 2 RACK MOUNTED RECEPTACLE FOR INSTALLATION OF RETRACTABLE ELECTRICAL CORD REEL. (GLEASON #GCC16370 OR HUBBELL HBLI45123R220 USED AS BASIS OF DESIGN).
- 3 MOUNT RECEPTACLE IN WATER COOLER FRAME. COORDINATE FINAL LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN. CIRCUIT BREAKER TO BE GFCI TYPE.
- 4 10' X 3/4" COPPER GROUND ROD W/ INSPECTION WALL.
- 5 EMERGENCY SHUT OFF SWITCH MOUNTED TO THE EXTERIOR WALL OF THE SOUND ENCLOSURE 48 INCHES ABOVE CONCRETE SLAB.
- 6 INSTALL 1" CONDUIT WITH CABLE BETWEEN GENERATOR AND REMOTE ANNUNCIATOR PANEL (RAP) INSIDE THE CLERKS OFFICE. VERIFY LOCATION OF RAP WITH OWNER PRIOR TO ROUGH-IN.
- 7 3/4" CONDUIT WITH 3 #10 THHN TO PANEL BLB FOR LIGHTS INSIDE GENERATOR ENCLOSURE. INSTALL A 1p20A CIRCUIT BREAKER IN PANEL BLB.
- 8 3/4" CONDUIT WITH 3 #10 THHN TO PANEL BLB FOR BATTERY CHARGER. INSTALL 2p30 AMP BREAKER IN PANEL.
- 9 3/4" CONDUIT WITH 3 #10 THHN TO PANEL BLB FOR BLOCK HEATER. INSTALL 2p30 AMP BREAKER IN PANEL.
- 10 3/4" CONDUIT WITH 3 #12 THHN TO PANEL BLB FOR ALTERNATOR HEATER. INSTALL 1p20A BREAKER IN PANEL.
- 11 NEW 3-POLE, 4 WIRE, 480V, 450KW DIESEL GENERATOR SET WITH ONE (1) 3-POLE 600 AMP CIRCUIT BREAKER AND SOUND ENCLOSURE. 48 HOUR, UL2085 FUEL TANK AND SERVICE SLAB. REFERENCE STRUCTURAL DRAWINGS FOR SLAB DETAILS.
- 12 CONTRACTOR SHALL INTEGRATE TAMPER AND FLOW SWITCHES TO BUILDING FIRE ALARM SYSTEM. REFER TO FIRE PROTECTION PLANS FOR ADDITIONAL SCOPE.
- 13 CONTRACTOR TO INSTALL CABLING AND 1" CONDUIT TO BUILDING C (STORAGE BUILDING) FIRE ALARM SUB PANEL. REFER TO SHEET E3.4 FOR ADDITIONAL SCOPE.

- 14 CONTRACTOR SHALL INSTALL BACK BOX AND CAT6 CABLE FOR CAMERA (OWNER PROVIDED). CABLING SHALL BE ROUTED FROM APPROXIMATE CAMERA LOCATION TO NETWORK RACK IN BUILDING ELECTRICAL ROOM. COORDINATE FINAL EXACT CAMERA LOCATION AND HEIGHT WITH ARCH/OWNER PRIOR TO ROUGH-IN.



ASSOCIATED DESIGN GROUP, INC.
3909 W Congress Street, Suite 201
Lafayette, Louisiana 70506
Phone: (337) 234-5710
Email: adginc@adginc.org

Project No. 25082

CONSTRUCTION DOCUMENTS

LAKE CHARLES PUBLIC WORKS
NEW FACILITY PHASE 2

4200 BROAD STREET
LAKE CHARLES, LA 70615

POWER AND SPECIAL SYSTEMS PLAN - CREW BUILDING



Brossett
Architect



Brossett Architect, LLC • 414 Pujot St., Lake Charles, LA 70601

SHEET NO.

E3.1

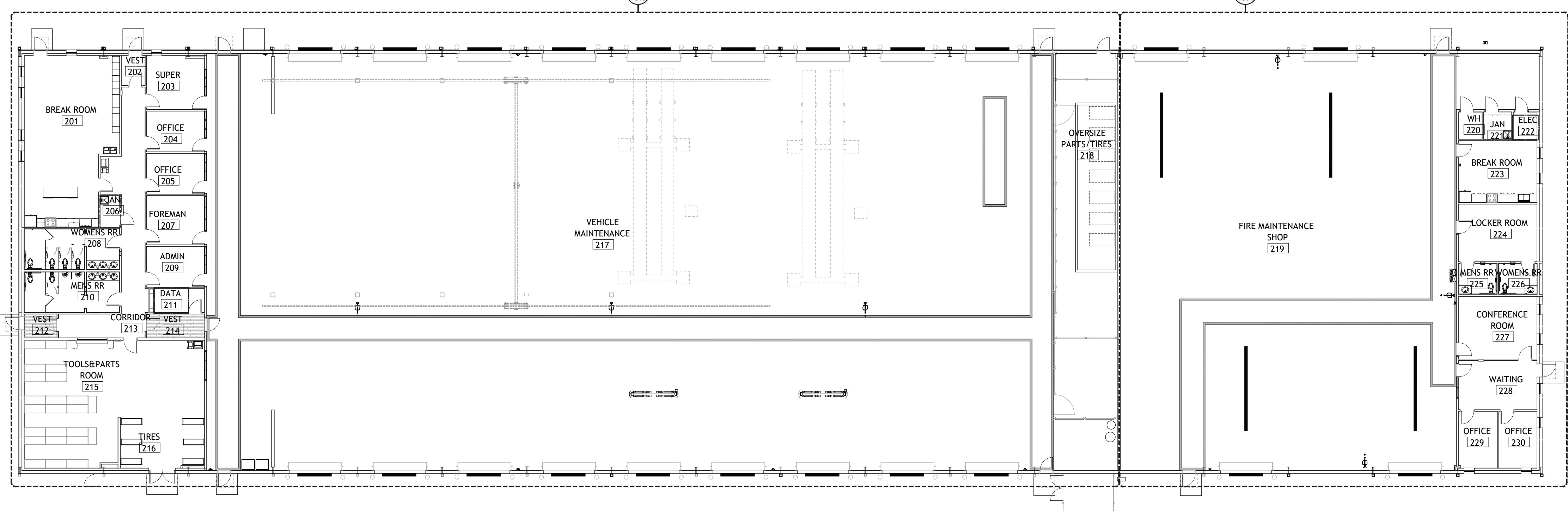
ARCH #24009 BIA

VER.	DATE	DESCRIPTION
0	12/20/2025	CONSTRUCTION DOCUMENTS

© COPYRIGHT 2025,
Brossett Architect, LLC
All Rights Reserved.
This document shall not be
copied or reproduced
without written permission.

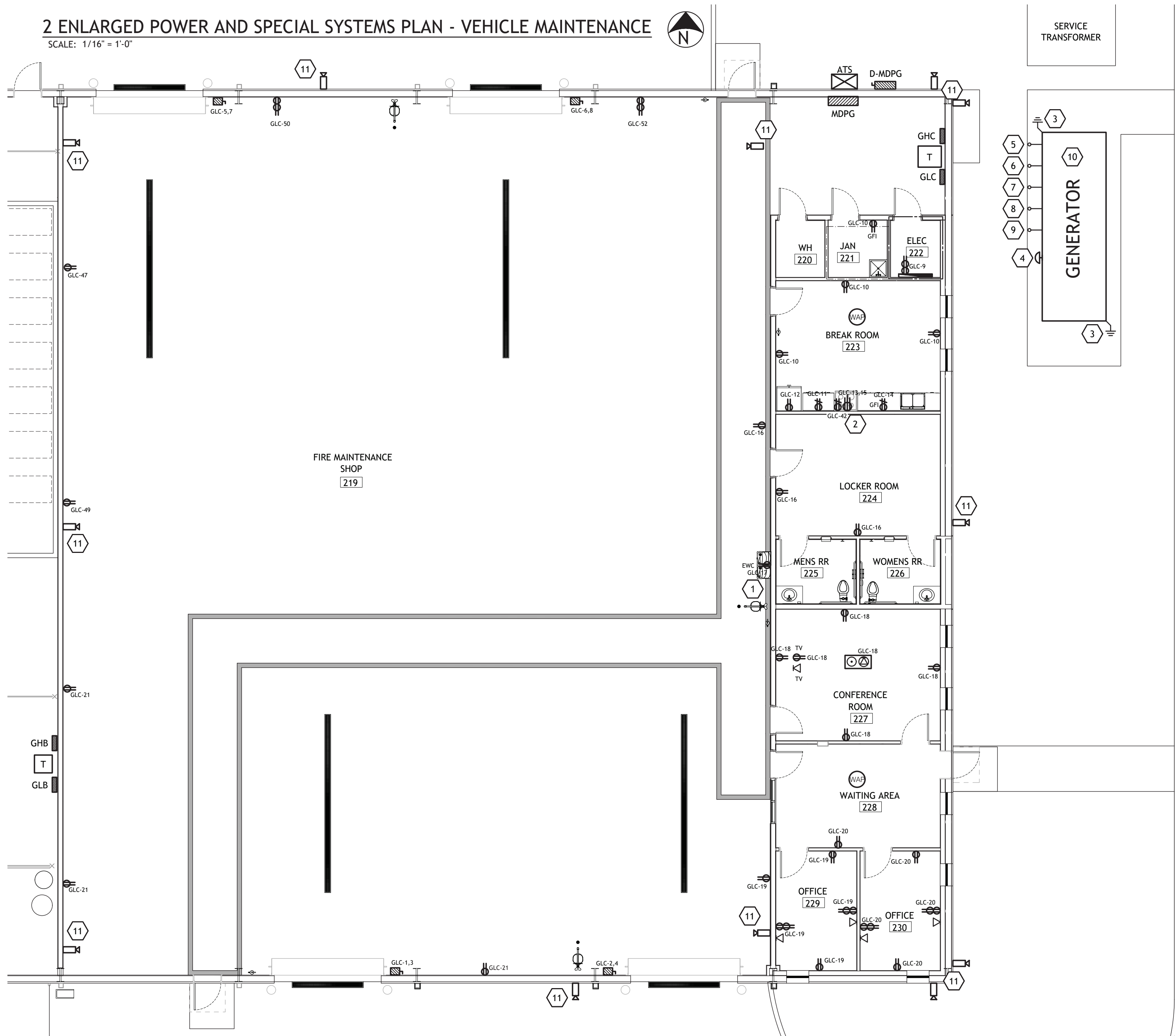
1 POWER AND SPECIAL SYSTEMS PLAN - VEHICLE MAINTENANCE

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



2 ENLARGED POWER AND SPECIAL SYSTEMS PLAN - VEHICLE MAINTENANCE

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



POWER AND SPECIAL SYSTEMS GENERAL NOTES

- A. CONTRACTOR SHALL REFER TO ALL OTHER PORTIONS OF THE CONTRACT DOCUMENTS (PLANS, SPECIFICATIONS, ADDENDA, ARCHITECTURAL SUPPLEMENTAL INSTRUCTIONS AND ANY APPROVED CHANGE ORDERS) AND PROVIDE ALL LIGHT FIXTURES, OUTLETS, TELE/DATA OUTLETS, SPEAKERS, AND ASSOCIATED CIRCUITRY AS IF ORIGINALLY INCLUDED ON THE ELECTRICAL PLANS. IF THERE ARE ANY DISCREPANCIES, CONTRACTOR SHALL NOTIFY ARCHITECT/ENGINEER IN WRITING PRIOR TO ORDERING EQUIPMENT. ROUGH-IN FOR EQUIPMENT AND/OR INSTALLATION OF EQUIPMENT. PRIOR TO ROUGH-IN OF EQUIPMENT, CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING COPIES OF APPROVED SHOP DRAWINGS OF SUCH EQUIPMENT AND REVIEWING SAID SUBMITTALS TO ENSURE COMPATIBILITY WITH THE ELECTRICAL SYSTEM. CONTRACTOR SHALL IMMEDIATELY NOTIFY ARCHITECT/ENGINEER IN WRITING OF ANY DISCREPANCIES BETWEEN THE REQUIRED ROUGH-IN REQUIREMENTS AND THE ELECTRICAL SYSTEM.
- B. COORDINATE INSTALLATION OF ALL CEILING MOUNTED DEVICES W/ARCHITECT PRIOR TO ROUGH-IN.
- C. COORDINATE EXACT PLACEMENT FOR ALL DEVICES WHERE MILLWORK IS PRESENT PRIOR TO ROUGH-IN. DO NOT ROUGH-IN BEHIND CABINETS, DRAWERS, ETC RENDERING DEVICE UNUSABLE.
- D. CONTRACTOR SHALL PROPERLY SEAL PENETRATIONS TO RATED ASSEMBLIES AND ALL EXTERIOR WALLS TO PROPERLY MAINTAIN RATING & ASSEMBLIES AND BUILDING ENVELOPE.
- E. CONTRACTOR SHALL VISIT THE SITE AND FIELD VERIFY EXISTING CONDITIONS PRIOR TO BIDDING ANY WORK TO BE DONE.
- F. AS A MINIMUM ALL ELECTRICAL WORK SHALL COMPLY WITH THE 2020 EDITION OF THE NATIONAL ELECTRICAL CODE.
- G. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- H. RECEPTACLES WITHIN 6' OF A SINK OR LAVATORY SHALL HAVE GFCI PROTECTION.
- I. ALL 120V 15A & 20 RECEPTACLES IN FOOD PREP AREAS SHALL BE GFCI PROTECTED AS REQUIRED BY NEC.
- J. ALL NEW CIRCUIT BREAKERS WITHIN EACH EXISTING PANELBOARD SHALL BE THE SAME MANUFACTURER TYPE, STYLE AND A.I.C. RATING OF EXISTING PANELBOARD.
- K. CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE INTERNATIONAL ENERGY CODE (IECC) 2021 RESIDENTIAL AND COMMERCIAL BUILDING ENERGY CODE FOR LIGHTING AND CONTROLS.

POWER & SPECIAL SYSTEMS KEYNOTES

- 1 MOUNT RECEPTACLE IN WATER COOLER FRAME. COORDINATE FINAL LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN. CIRCUIT BREAKER TO BE GFCI TYPE.
- 2 CONTRACTOR SHALL COORDINATE WITH MECHANICAL CONTRACTOR FOR HOOD EXACT DIMENSIONS TO AVOID CONFLICT WITH PRIOR TO ELECTRICAL ROUGH-IN.
- 3 10" X 3/4" COPPER GROUND ROD W/ INSPECTION WALL.
- 4 EMERGENCY SHUT OFF SWITCH MOUNTED TO THE EXTERIOR WALL OF THE SOUND ENCLOSURE 48 INCHES ABOVE CONCRETE SLAB.
- 5 INSTALL 1" CONDUIT WITH CABLE BETWEEN GENERATOR AND REMOTE ANNUNCIATOR PANEL (RAP) INSIDE THE CLERKS OFFICE. VERIFY LOCATION OF RAP WITH OWNER PRIOR TO ROUGH-IN.
- 6 3/4" CONDUIT WITH 3-#10 THHN TO PANEL GLC FOR LIGHTS INSIDE GENERATOR ENCLOSURE. INSTALL A 1p20A CIRCUIT BREAKER IN PANEL.
- 7 3/4" CONDUIT WITH 3 #10 THHN TO PANEL GLC FOR BATTERY CHARGER. INSTALL 2p30 AMP BREAKER IN PANEL.
- 8 3/4" CONDUIT WITH 3 #10 THHN TO PANEL GLC FOR BLOCK HEATER. INSTALL 2p30 AMP BREAKER IN PANEL.
- 9 3/4" CONDUIT WITH 3-#12 THHN TO PANEL GLC FOR ALTERNATOR HEATER. INSTALL 1p20A BREAKER IN PANEL.
- 10 NEW 3-POLE, 4 WIRE, 480V, 450kW DIESEL GENERATOR SET WITH ONE (1) 3-POLE 600 AMP CIRCUIT BREAKER AND SOUND ENCLOSURE, 48 HOUR, UL2085 FUEL TANK AND SERVICE SLAB. REFERENCE STRUCTURAL DRAWINGS FOR SLAB DETAILS.
- 11 CONTRACTOR SHALL INSTALL BACK BOX AND CAT6 CABLE FOR CAMERA (OWNER PROVIDED). CABLING SHALL BE ROUTED FROM APPROXIMATE CAMERA LOCATION TO NETWORK RACK IN BUILDING ELECTRICAL ROOM. COORDINATE FINAL EXACT CAMERA LOCATION AND HEIGHT WITH ARCH/OWNER PRIOR TO ROUGH-IN.



ASSOCIATED DESIGN GROUP, INC.
3909 W Congress Street, Suite 201
Lafayette, Louisiana 70506
Phone: (337) 234-5710
Email: adginc@adginc.org

Project No. 25082

CONSTRUCTION DOCUMENTS

SHEET NO.

E3.2

LAKE CHARLES PUBLIC WORKS
NEW FACILITY PHASE 2

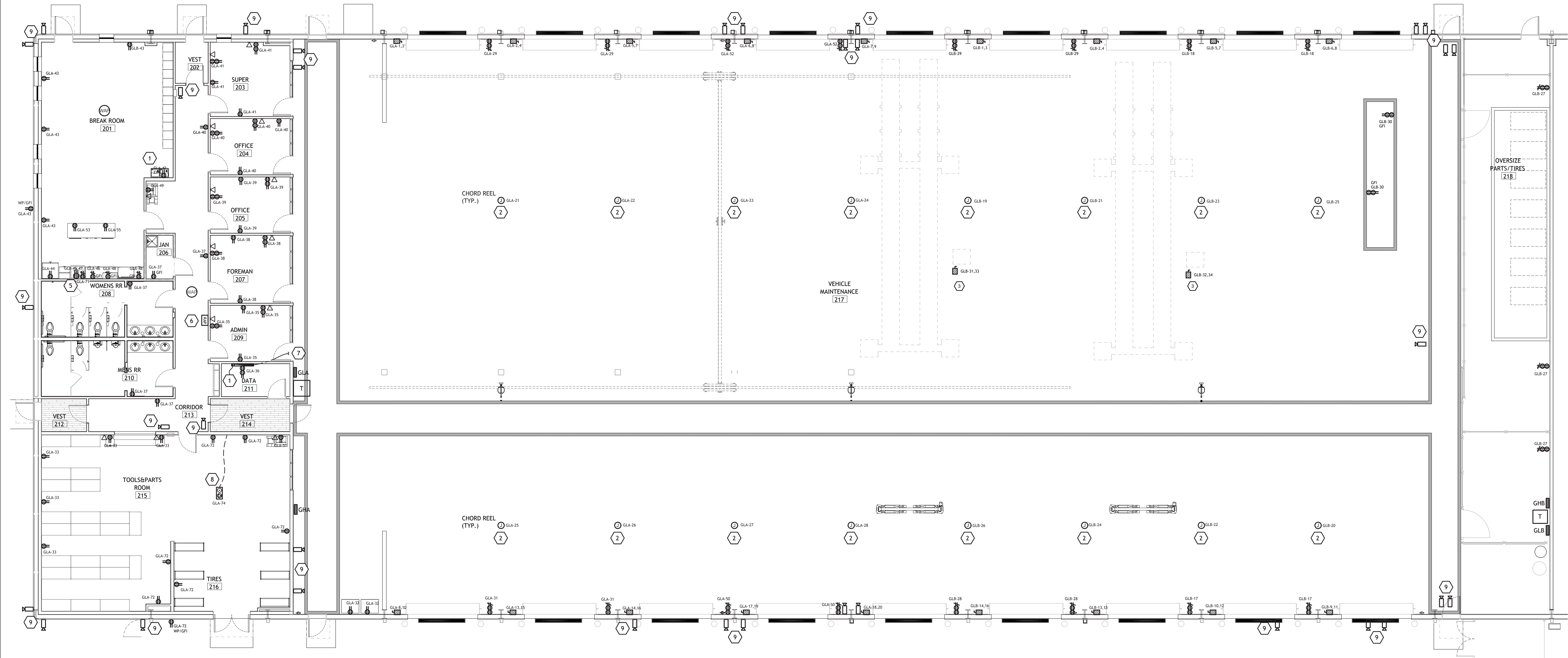
4200 BROAD STREET
LAKE CHARLES, LA 70615
POWER AND SPECIAL SYSTEMS PLAN - VEHICLE MAINTENANCE

Brossett Architect
DAVID B. STIELLY
License No. 26070
11/26/2025
PROFESSIONAL ENGINEER

Brossett Architect, LLC • 414 Pujio St., Lake Charles, LA 70601

1 POWER AND SPECIAL SYSTEMS PLAN - VEHICLE MAINTENANCE

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



POWER & SPECIAL SYSTEMS GENERAL NOTES

- CONTRACTOR SHALL REFER TO ALL OTHER PORTIONS OF THE CONTRACT DOCUMENTS (PLANS, SPECIFICATIONS, ADDENDA, ARCHITECTURAL SUPPLEMENTAL INSTRUCTIONS AND ANY APPROVED CHANGE ORDERS) AND PROVIDE ALL LIGHT FIXTURES, OUTLETS, TELE/DATA OUTLETS, SPEAKERS, AND ASSOCIATED CIRCUITRY AS IF ORIGINALLY INCLUDED ON THE ELECTRICAL PLANS. IF THERE ARE ANY DISCREPANCIES, CONTRACTOR SHALL NOTIFY ARCHITECT/ENGINEER IN WRITING PRIOR TO ORDERING EQUIPMENT, ROUGH-IN FOR EQUIPMENT AND/OR INSTALLATION OF EQUIPMENT. PRIOR TO ROUGH-IN OF EQUIPMENT, CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING COPIES OF APPROVED SHOP DRAWINGS OF SUCH EQUIPMENT AND REVIEWING SAID SUBMITTALS TO ENSURE COMPATIBILITY WITH THE ELECTRICAL SYSTEM. CONTRACTOR SHALL IMMEDIATELY NOTIFY ARCHITECT/ENGINEER IN WRITING OF ANY DISCREPANCIES BETWEEN THE REQUIRED ROUGH-IN REQUIREMENTS AND THE ELECTRICAL SYSTEM.
- COORDINATE INSTALLATION OF ALL CEILING MOUNTED DEVICES W/ARCHITECT PRIOR TO ROUGH-IN.
- COORDINATE EXACT PLACEMENT FOR ALL DEVICES WHERE MILLWORK IS PRESENT PRIOR TO ROUGH-IN. DO NOT ROUGH-IN BEHIND CABINETS, DRAWERS, ETC RENDERING DEVICE UNUSABLE.
- CONTRACTOR SHALL PROPERLY SEAL PENETRATIONS TO RATED ASSEMBLIES AND ALL EXTERIOR WALLS TO PROPERLY MAINTAIN RATING & ASSEMBLIES AND BUILDING ENVELOPE.
- CONTRACTOR SHALL VISIT THE SITE AND FIELD VERIFY EXISTING CONDITIONS PRIOR TO BIDDING ANY WORK TO BE DONE.
- AS A MINIMUM ALL ELECTRICAL WORK SHALL COMPLY WITH THE 2020 EDITION OF THE NATIONAL ELECTRICAL CODE.
- REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- RECEPTACLES WITHIN 6' OF A SINK OR LAVATORY SHALL HAVE GFCI PROTECTION.
- ALL 120V 15A & 20 RECEPTACLES IN FOOD PREP AREAS SHALL BE GFCI PROTECTED AS REQUIRED BY NEC.
- ALL NEW CIRCUIT BREAKERS WITHIN EACH EXISTING PANELBOARD SHALL BE THE SAME MANUFACTURER TYPE, STYLE AND A.I.C. RATING OF EXISTING PANELBOARD.
- CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE INTERNATIONAL ENERGY CODE (IECC) 2021 RESIDENTIAL AND COMMERCIAL BUILDING ENERGY CODE FOR LIGHTING AND CONTROLS.

POWER & SPECIAL SYSTEMS KEYNOTES

- MOUNT RECEPTACLE IN WATER COOLER FRAME. COORDINATE FINAL LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN. CIRCUIT BREAKER TO BE GFCI TYPE.
- RACK MOUNTED RECEPTACLE FOR INSTALLATION OF RETRACTABLE ELECTRICAL CORD REEL. REFER TO AND COORDINATE WITH ARCHITECTURAL RCP AND ARCHITECT PRIOR TO ROUGH-IN.
- CONTRACTOR SHALL PROVIDE DISCONNECT SWITCH AT APPROXIMATE LOCATION FOR LARGE VEHICLE LIFT. COORDINATE FINAL EXACT ROUGH-IN LOCATION WITH FINAL EQUIPMENT SHOP DRAWINGS AND INSTALLATION INSTRUCTIONS PRIOR TO ROUGH-WORK.
- CONDUIT STUB UP FROM BUILDING B FOR NETWORK FIBER RUN. REFER TO SITE PLAN SHEET 1.1 FOR ADDITIONAL INFO.
- CONTRACTOR SHALL COORDINATE WITH MECHANICAL CONTRACTOR FOR HOOD EXACT DIMENSIONS TO AVOID CONFLICT WITH PRIOR TO ELECTRICAL ROUGH-IN.
- GENERATOR REMOTE ANNUNCIATOR PANEL.
- CONTRACTOR TO RUN FIBER OPTIC TO ELEC 222 UNDERGROUND IN 2" CONDUIT. REFER TO SHEET E3.2 FOR ELEC 222 LOCATION.
- CONTRACTOR SHALL INSTALL FLOOR BOX WITH FURNITURE FEED TO POWER CUBICLES. COORDINATE EXACT LOCATION WITH ARCHITECT/OWNER PRIOR TO ROUGH-IN. RUN (2) 3/4" CONDUITS FROM WALL TO FLOOR BOX FOR POWER AND DATA.
- CONTRACTOR SHALL INSTALL BACK BOX AND CAT6 CABLE FOR CAMERA (OWNER PROVIDED). CABLING SHALL BE ROUTED FROM APPROXIMATE CAMERA LOCATION TO NETWORK RACK IN BUILDING ELECTRICAL ROOM. COORDINATE FINAL EXACT CAMERA LOCATION AND HEIGHT WITH ARCH/OWNER PRIOR TO ROUGH-IN.



ASSOCIATED DESIGN GROUP, INC.
3909 W Congress Street, Suite 201
Lafayette, Louisiana 70506
Phone: (337) 234-5710
Email: adginc@adginc.org

Project No. 25082

CONSTRUCTION DOCUMENTS

SHEET NO.

E3.3

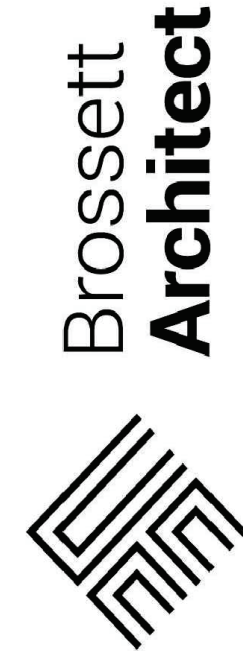
VER.	DATE	DESCRIPTION
0	12/20/2025	CONSTRUCTION DOCUMENTS

© COPYRIGHT 2025, Brossett Architect, LLC
All Rights Reserved.
This document shall not be copied or reproduced without written permission.

LAKE CHARLES PUBLIC WORKS
NEW FACILITY PHASE 2

4200 BROAD STREET
LAKE CHARLES, LA 70615

POWER AND SPECIAL SYSTEMS PLAN - VEHICLE MAINTENANCE



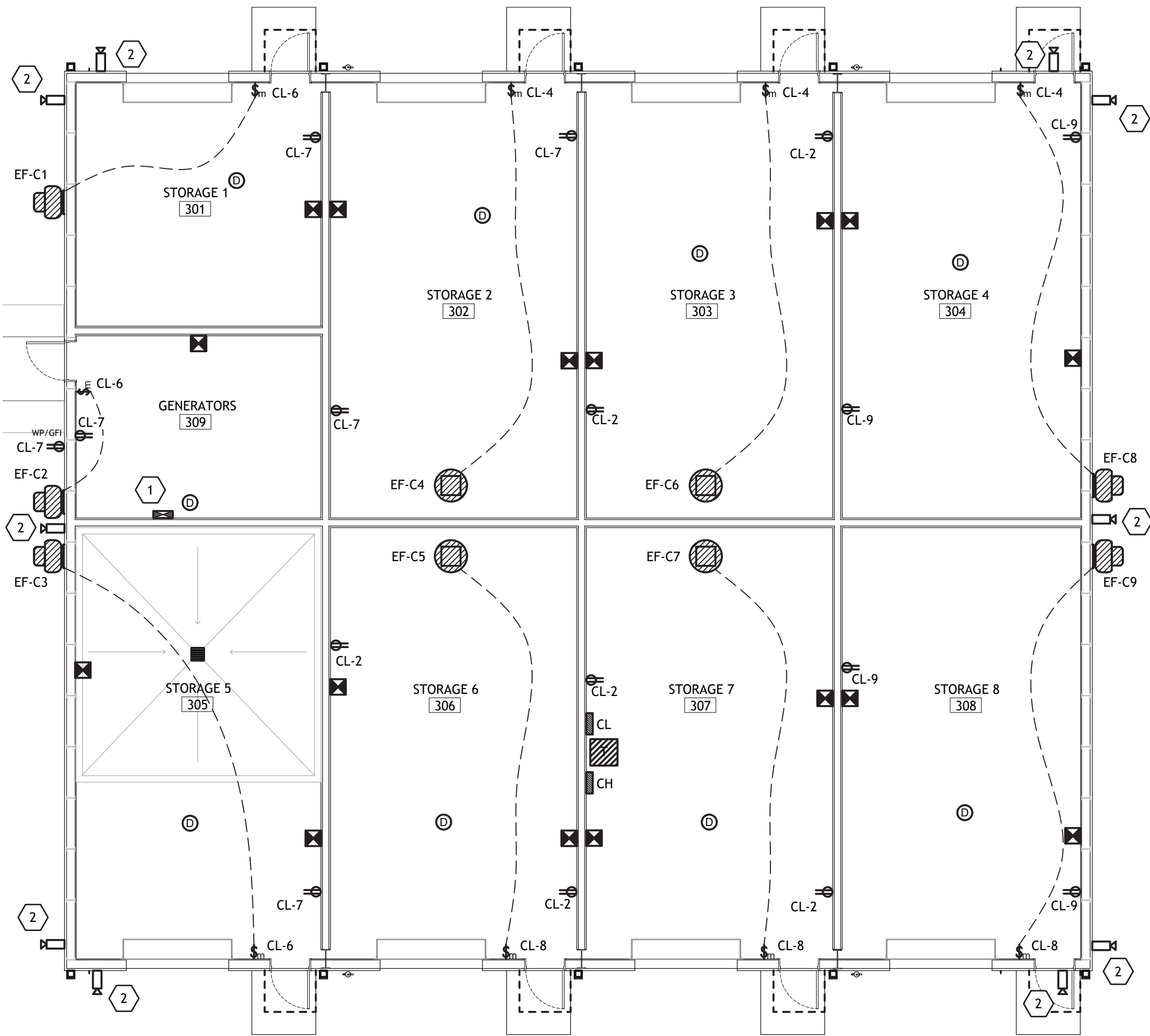
Brossett
Architect

Brossett Architect, LLC • 414 Pujio St., Lake Charles, LA 70601



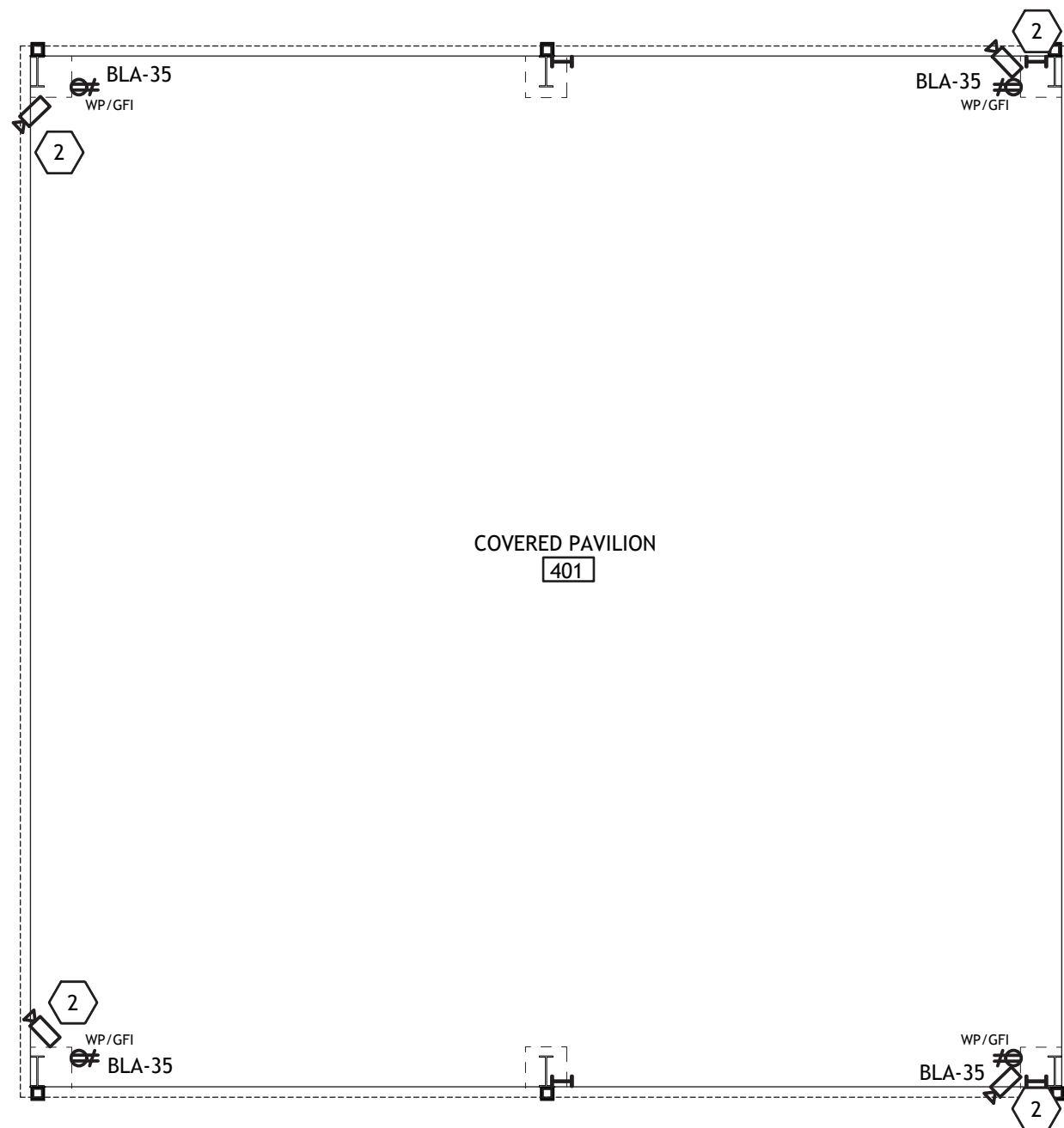
1 POWER & SPECIAL SYSTEMS PLAN - BUILDING C

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



2 POWER & SPECIAL SYSTEMS PLAN - PAVILION

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

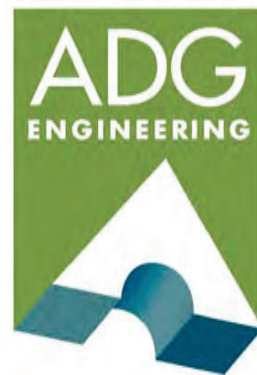


POWER & SPECIAL SYSTEMS GENERAL NOTES

- CONTRACTOR SHALL REFER TO ALL OTHER PORTIONS OF THE CONTRACT DOCUMENTS (PLANS, SPECIFICATIONS, ADDENDA, ARCHITECTURAL SUPPLEMENTAL INSTRUCTIONS AND ANY APPROVED CHANGE ORDERS) AND PROVIDE ALL LIGHT FIXTURES, OUTLETS, TELE/DATA OUTLETS, SPEAKERS, AND ASSOCIATED CIRCUITRY AS IF ORIGINALLY INCLUDED ON THE ELECTRICAL PLANS. IF THERE ARE ANY DISCREPANCIES, CONTRACTOR SHALL NOTIFY ARCHITECT/ENGINEER IN WRITING PRIOR TO ORDERING EQUIPMENT, ROUGH-IN FOR EQUIPMENT AND/OR INSTALLATION OF EQUIPMENT. PRIOR TO ROUGH-IN OF EQUIPMENT, CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING COPIES OF APPROVED SHOP DRAWINGS OF SUCH EQUIPMENT AND REVIEWING SAID SUBMITTALS TO ENSURE COMPATIBILITY WITH THE ELECTRICAL SYSTEM. CONTRACTOR SHALL IMMEDIATELY NOTIFY ARCHITECT/ENGINEER IN WRITING OF ANY DISCREPANCIES BETWEEN THE REQUIRED ROUGH-IN REQUIREMENTS AND THE ELECTRICAL SYSTEM.
- COORDINATE INSTALLATION OF ALL CEILING MOUNTED DEVICES WITH ARCHITECT PRIOR TO ROUGH-IN.
- CONTRACTOR SHALL PROPERLY SEAL PENETRATIONS TO RATED ASSEMBLIES AND ALL EXTERIOR WALLS TO PROPERLY MAINTAIN RATING & ASSEMBLIES AND BUILDING ENVELOPE.
- CONTRACTOR SHALL VISIT THE SITE AND FIELD VERIFY EXISTING CONDITIONS PRIOR TO BIDDING ANY WORK TO BE DONE.
- AS A MINIMUM ALL ELECTRICAL WORK SHALL COMPLY WITH THE 2020 EDITION OF THE NATIONAL ELECTRICAL CODE.
- REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- RECEPTACLES WITHIN 6' OF A SINK OR LAVATORY SHALL HAVE GFCI PROTECTION.
- CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE INTERNATIONAL ENERGY CODE (IECC) 2021 RESIDENTIAL AND COMMERCIAL BUILDING ENERGY CODE FOR LIGHTING AND CONTROLS.

POWER & SPECIAL SYSTEMS KEYNOTES

- FIRE ALARM SUB PANEL FROM FACP WITHIN BUILDING B ELECTRICAL ROOM.
- CONTRACTOR SHALL INSTALL BACK BOX AND CAT6 CABLE FOR CAMERA (OWNER PROVIDED). CABLING SHALL BE ROUTED FROM APPROXIMATE CAMERA LOCATION TO NETWORK RACK IN BUILDING B ELECTRICAL ROOM. COORDINATE FINAL EXACT CAMERA LOCATION AND HEIGHT WITH ARCH/OWNER PRIOR TO ROUGH-IN.



ASSOCIATED DESIGN GROUP, INC.
3909 W Congress Street, Suite 201
Lafayette, Louisiana 70506
Phone: (337) 234-5710
Email: adginc@adginc.org

Project No. 25082

CONSTRUCTION DOCUMENTS

SHEET NO.

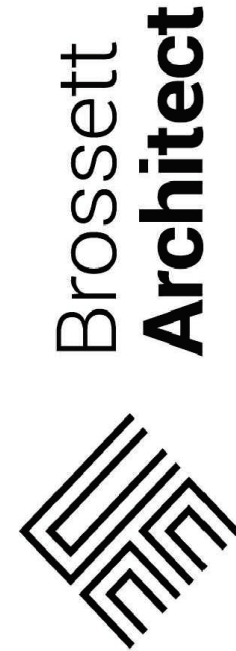
E3.4

ARCH #24009 BA

LAKE CHARLES PUBLIC WORKS
NEW FACILITY PHASE 2

4200 BROAD STREET
LAKE CHARLES, LA 70615

POWER & SPECIAL SYSTEMS PLAN - BUILDING C & PAVILION



Brossett
Architect

Brossett Architect, LLC • 414 Pujo St., Lake Charles, LA 70601

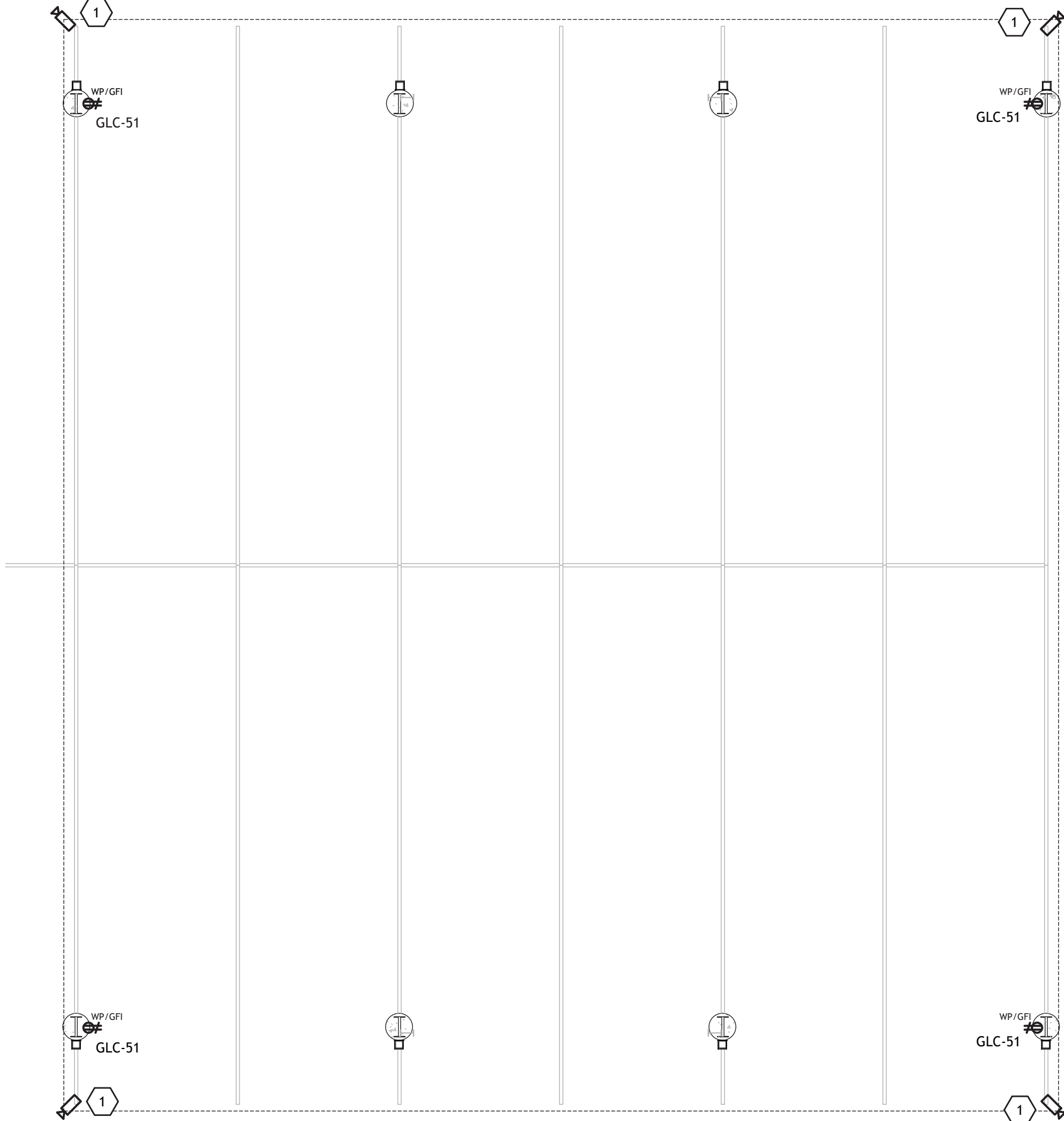


VER.	DATE	DESCRIPTION
0	12/20/2025	CONSTRUCTION DOCUMENTS

© COPYRIGHT 2025,
Brossett Architect, LLC
All Rights Reserved.
This document shall not be
copied or reproduced
without written permission.

1 POWER & SPECIAL SYSTEMS PLAN - COVERED BUSS

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



POWER & SPECIAL SYSTEMS GENERAL NOTES

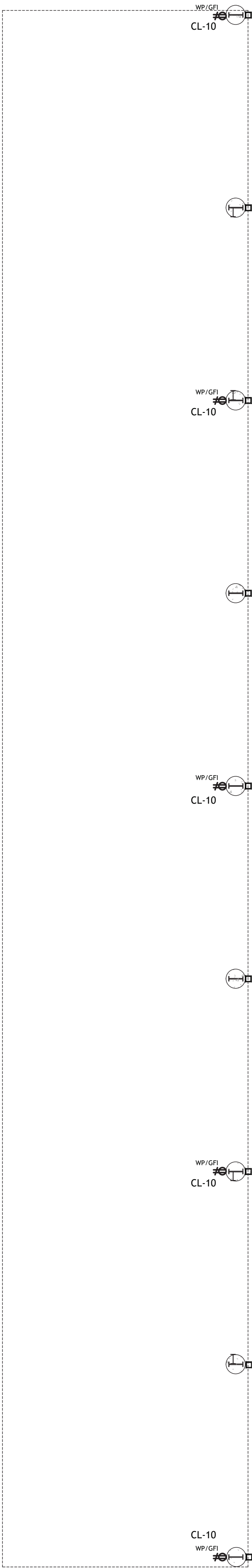
- A. CONTRACTOR SHALL REFER TO ALL OTHER PORTIONS OF THE CONTRACT DOCUMENTS (PLANS, SPECIFICATIONS, ADDENDA, ARCHITECTURAL SUPPLEMENTAL INSTRUCTIONS AND ANY APPROVED CHANGE ORDERS) AND PROVIDE ALL LIGHT FIXTURES, OUTLETS, TELE/DATA OUTLETS, SPEAKERS, AND ASSOCIATED CIRCUITRY AS IF ORIGINALLY INCLUDED ON THE ELECTRICAL PLANS. IF THERE ARE ANY DISCREPANCIES, CONTRACTOR SHALL NOTIFY ARCHITECT/ENGINEER IN WRITING PRIOR TO ORDERING EQUIPMENT, ROUGH-IN FOR EQUIPMENT AND/OR INSTALLATION OF EQUIPMENT. PRIOR TO ROUGH-IN OF EQUIPMENT, CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING COPIES OF APPROVED SHOP DRAWINGS OF SUCH EQUIPMENT AND REVIEWING SAID SUBMITTALS TO ENSURE COMPATIBILITY WITH THE ELECTRICAL SYSTEM. CONTRACTOR SHALL IMMEDIATELY NOTIFY ARCHITECT/ENGINEER IN WRITING OF ANY DISCREPANCIES BETWEEN THE REQUIRED ROUGH-IN REQUIREMENTS AND THE ELECTRICAL SYSTEM.
- B. COORDINATE INSTALLATION OF ALL CEILING MOUNTED DEVICES WITH ARCHITECT PRIOR TO ROUGH-IN.
- C. CONTRACTOR SHALL PROPERLY SEAL PENETRATIONS TO RATED ASSEMBLIES AND ALL EXTERIOR WALLS TO PROPERLY MAINTAIN RATING & ASSEMBLIES AND BUILDING ENVELOPE.
- D. CONTRACTOR SHALL VISIT THE SITE AND FIELD VERIFY EXISTING CONDITIONS PRIOR TO BIDDING ANY WORK TO BE DONE.
- E. AS A MINIMUM ALL ELECTRICAL WORK SHALL COMPLY WITH THE 2020 EDITION OF THE NATIONAL ELECTRICAL CODE.
- F. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- G. CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE INTERNATIONAL ENERGY CODE (IECC) 2021 RESIDENTIAL AND COMMERCIAL BUILDING ENERGY CODE FOR LIGHTING AND CONTROLS.

POWER & SPECIAL SYSTEMS KEYNOTES

- 1 CONTRACTOR SHALL PROVIDE ROUGH-IN AND EMPTY CONDUIT RUN FROM CAMERA LOCATION TO NETWORK RACK IN BUILDING G DATA ROOM 211. PROVIDE AND LEAVE PULL STRING.

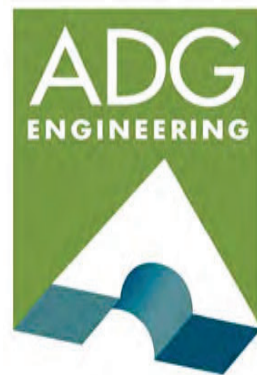
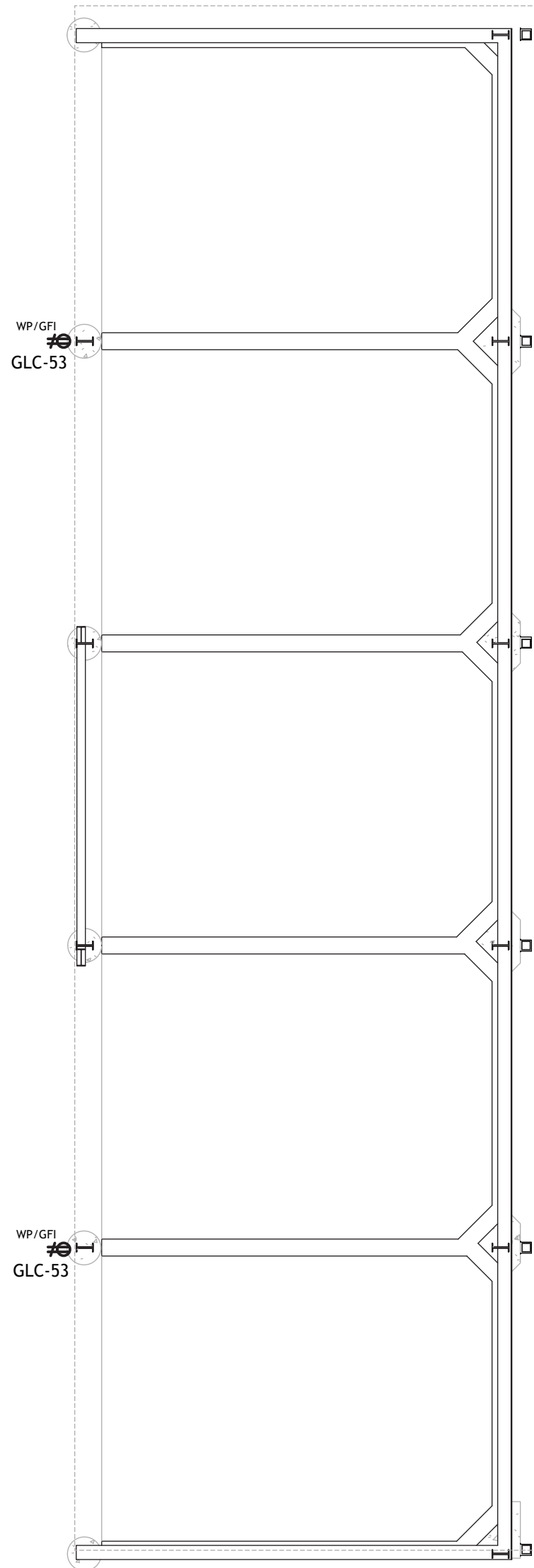
2 POWER & SPECIAL SYSTEMS PLAN - COVERED EQUIP

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



3 POWER & SPECIAL SYSTEMS PLAN - COVERED SAND/DIRT PIT

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



ASSOCIATED DESIGN GROUP, INC.
3909 W Congress Street, Suite 201
Lafayette, Louisiana 70506
Phone: (337) 234-5710
Email: adginc@adginc.org

Project No. 25082

CONSTRUCTION DOCUMENTS



Brossett
Architect



Brossett Architect, LLC • 414 Pujoe St., Lake Charles, LA 70601

LAKE CHARLES PUBLIC WORKS
NEW FACILITY PHASE 2

4200 BROAD STREET
LAKE CHARLES, LA 70615

POWER & SPECIAL SYSTEMS PLANS - COVERED BUS, COVERED
EQUIPMENT, AND COVERED SAND/DIRT PIT

SHEET NO.

E3.5

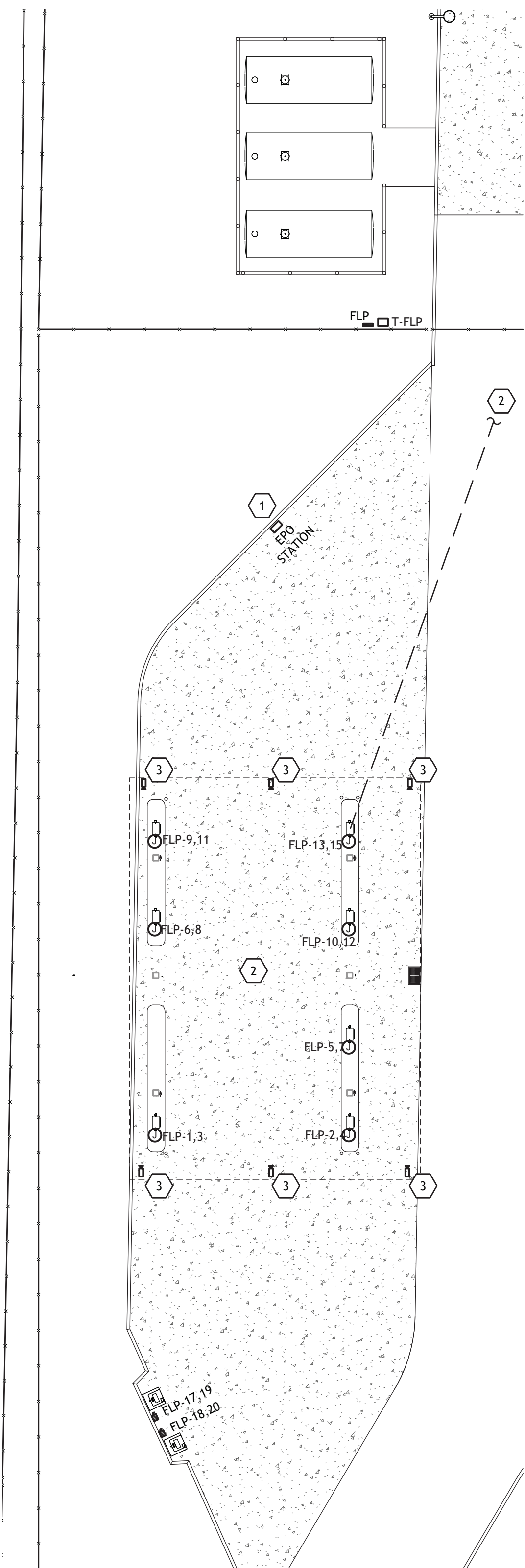
ARCH #24009 BA

VER.	DATE	DESCRIPTION
0	12/20/2025	CONSTRUCTION DOCUMENTS

© COPYRIGHT 2025,
Brossett Architect, LLC
All Rights Reserved.
This document shall not be
copied or reproduced
without written permission.

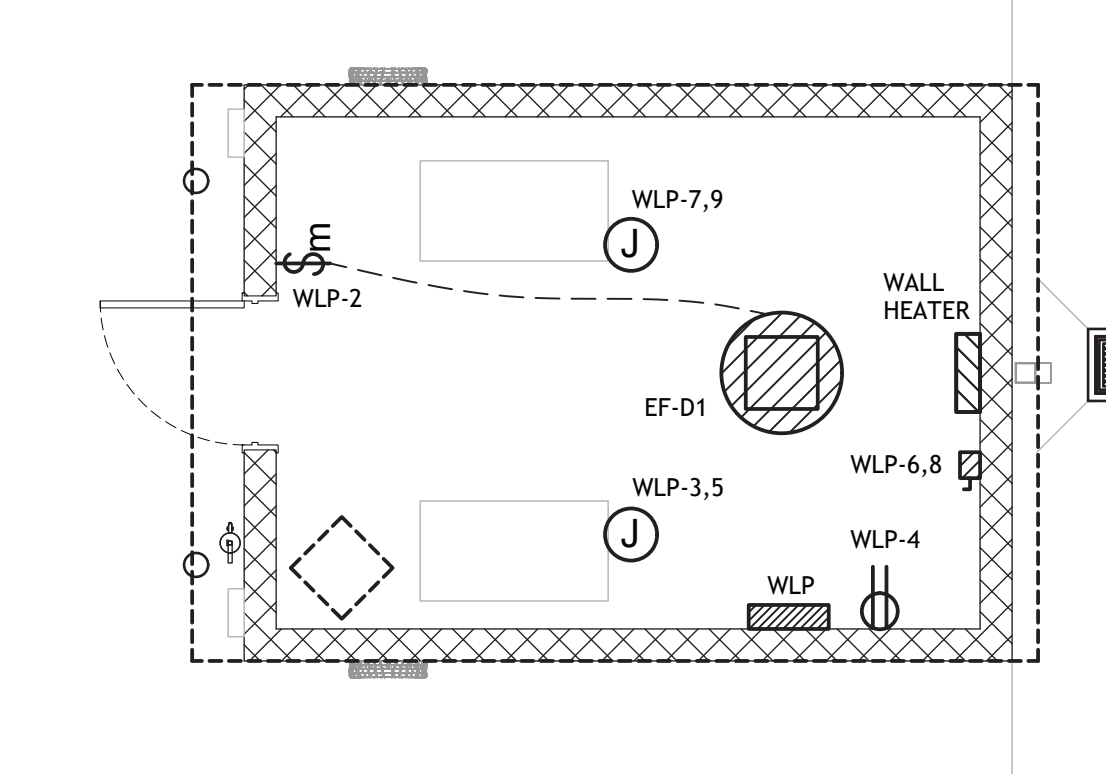
1 POWER & SPECIAL SYSTEMS PLAN - FUEL STATION

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



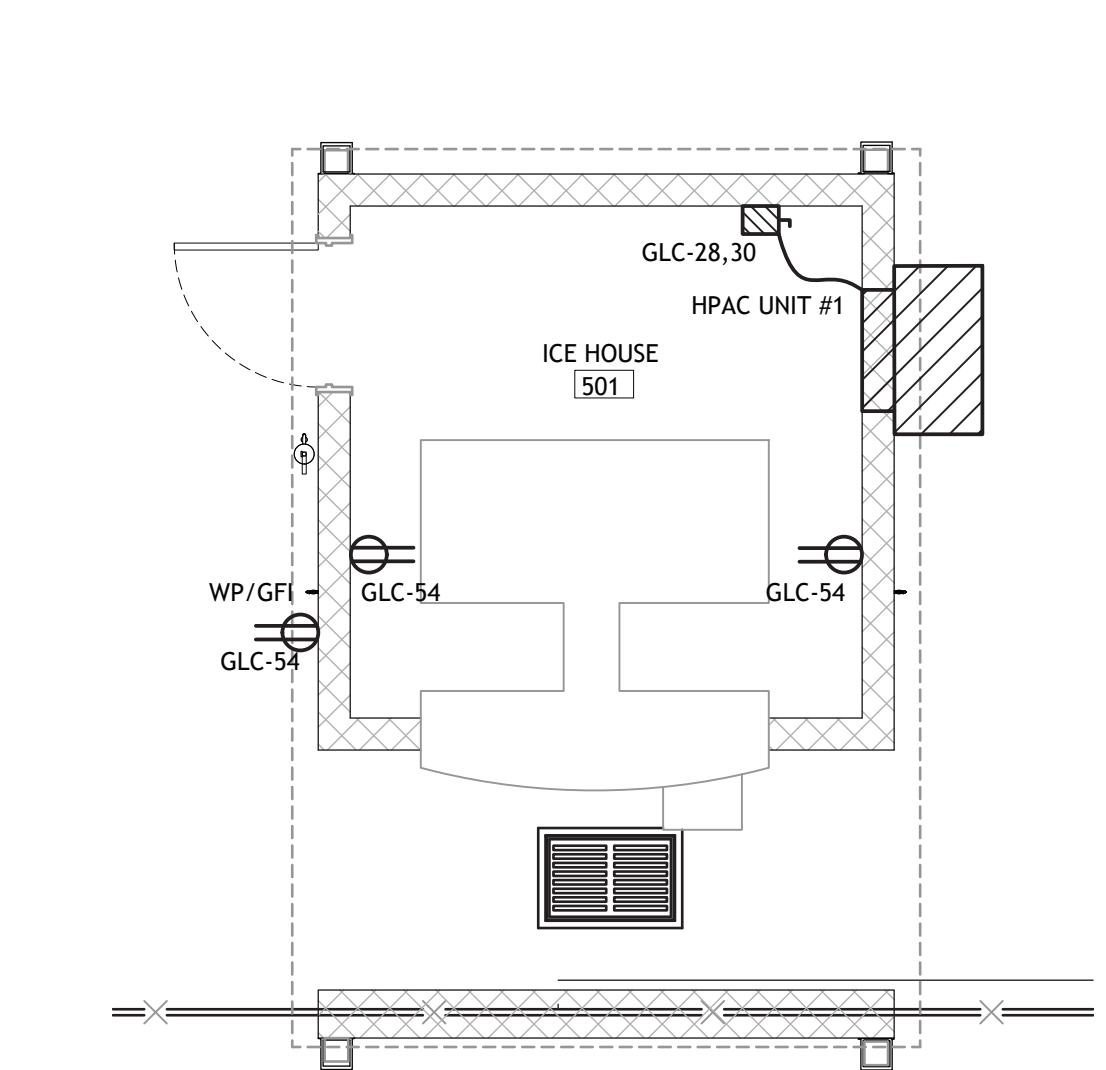
2 POWER & SPECIAL SYSTEMS PLAN - WASH ROOM

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



3 POWER & SPECIAL SYSTEMS PLAN - ICE HOUSE

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



POWER & SPECIAL SYSTEMS GENERAL NOTES

- A. CONTRACTOR SHALL REFER TO ALL OTHER PORTIONS OF THE CONTRACT DOCUMENTS (PLANS, SPECIFICATIONS, ADDENDA, ARCHITECTURAL SUPPLEMENTAL INSTRUCTIONS AND ANY APPROVED CHANGE ORDERS) AND PROVIDE ALL LIGHT FIXTURES, OUTLETS, TELE/DATA OUTLETS, SPEAKERS, AND ASSOCIATED CIRCUITRY AS IF ORIGINALLY INCLUDED ON THE ELECTRICAL PLANS. IF THERE ARE ANY DISCREPANCIES, CONTRACTOR SHALL NOTIFY ARCHITECT/ENGINEER IN WRITING PRIOR TO ORDERING EQUIPMENT, ROUGH-IN FOR EQUIPMENT AND/OR INSTALLATION OF EQUIPMENT. PRIOR TO ROUGH-IN OF EQUIPMENT, CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING COPIES OF APPROVED SHOP DRAWINGS OF SUCH EQUIPMENT AND REVIEWING SAID SUBMITTALS TO ENSURE COMPATIBILITY WITH THE ELECTRICAL SYSTEM. CONTRACTOR SHALL IMMEDIATELY NOTIFY ARCHITECT/ENGINEER IN WRITING OF ANY DISCREPANCIES BETWEEN THE REQUIRED ROUGH-IN REQUIREMENTS AND THE ELECTRICAL SYSTEM.
- B. COORDINATE INSTALLATION OF ALL CEILING MOUNTED DEVICES w/ARCHITECT PRIOR TO ROUGH-IN.
- C. COORDINATE EXACT PLACEMENT FOR ALL DEVICES WHERE MILLWORK IS PRESENT PRIOR TO ROUGH-IN. DO NOT ROUGH-IN BEHIND CABINETS, DRAWERS, ETC RENDERING DEVICE UNUSABLE.
- D. CONTRACTOR SHALL PROPERLY SEAL PENETRATIONS TO RATED ASSEMBLIES AND ALL EXTERIOR WALLS TO PROPERLY MAINTAIN RATING & ASSEMBLIES AND BUILDING ENVELOPE.
- E. CONTRACTOR SHALL VISIT THE SITE AND FIELD VERIFY EXISTING CONDITIONS PRIOR TO BIDDING ANY WORK TO BE DONE.
- F. AS A MINIMUM ALL ELECTRICAL WORK SHALL COMPLY WITH THE 2020 EDITION OF THE NATIONAL ELECTRICAL CODE.
- G. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- H. CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE INTERNATIONAL ENERGY CODE (IECC) 2021 RESIDENTIAL AND COMMERCIAL BUILDING ENERGY CODE FOR LIGHTING AND CONTROLS.

POWER & SPECIAL SYSTEMS KEYNOTES

- 1 CONTRACTOR SHALL INSTALL EMERGENCY POWER OFF (EPO) STATION AT APPROXIMATE LOCATION. STATION SHALL BE TIED TO PANEL FLP MAIN BREAKER SHUNT TRIP CONTACTS. IF BUTTON IS ENGAGED, PANEL MAIN BREAKER SHALL BE TRIPPED OFF, SHUTTING POWER FROM FUEL PUMPS.
- 2 CONTRACTOR SHALL HOMERUN CAT6 ETHERNET CABLE TO PUMP STATION IDENTIFIED FROM DATA 211 IN BUILDING G UNDERGROUND IN 3/4" CONDUIT. CONTRACTOR SHALL INTERCONNECT ALL PUMP STATIONS WITH CAT6 CABLE.
- 3 CONTRACTOR SHALL INSTALL BACK BOX AND CAT6 CABLE FOR CAMERA (OWNER PROVIDED). CABLING SHALL BE ROUTED FROM APPROXIMATE CAMERA LOCATION TO NEAREST NETWORK RACK. COORDINATE FINAL EXACT CAMERA LOCATION AND HEIGHT WITH ARCH/OWNER PRIOR TO ROUGH-IN.



ASSOCIATED DESIGN GROUP, INC.
3909 W Congress Street, Suite 201
Lafayette, Louisiana 70506
Phone: (337) 234-5710
Email: adginc@adginc.org

Project No. 25082

CONSTRUCTION DOCUMENTS

VER.	DATE	DESCRIPTION
0	12/20/2025	CONSTRUCTION DOCUMENTS

SHEET NO.

E3.6

ARCH #24009 BA

LAKE CHARLES PUBLIC WORKS
NEW FACILITY PHASE 2

4200 BROAD STREET
LAKE CHARLES, LA 70615
POWER & SPECIAL SYSTEMS PLANS - FUEL STATION,
ICE HOUSE, WASHROOM



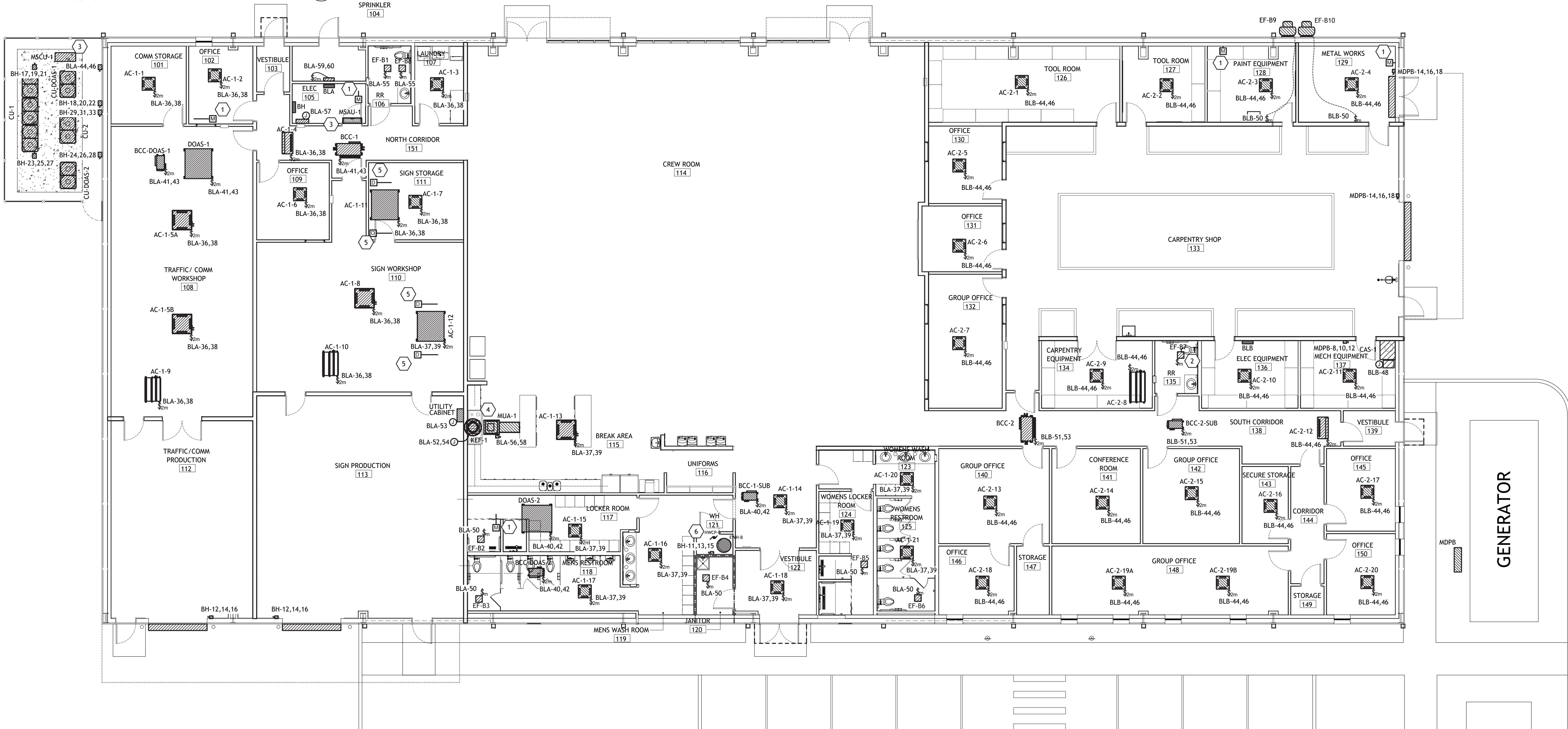
Brossett
Architect

Brossett Architect, LLC • 414 Pujio St., Lake Charles, LA 70601



© COPYRIGHT 2025,
Brossett Architect, LLC
All Rights Reserved.
This document shall not be
copied or reproduced
without written permission.

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



A. CONTRACTOR SHALL REFER TO ALL OTHER PORTIONS OF THE CONTRACT DOCUMENTS (PLANS, SPECIFICATIONS, ADDENDA, ARCHITECTURAL SUPPLEMENTAL INSTRUCTIONS AND ANY APPROVED CHANGE ORDERS) AND PROVIDE ALL LIGHT FIXTURES, OUTLETS, TELEPHONE OUTLETS, SPEAKERS, AND ASSOCIATED CIRCUITRY AS IF ORIGINALLY INCLUDED ON THE ELECTRICAL PLANS. IF THERE ARE ANY DISCREPANCIES, CONTRACTOR SHALL NOTIFY ARCHITECT/ENGINEER IN WRITING PRIOR TO ORDERING EQUIPMENT, ROUGH-IN FOR EQUIPMENT AND/OR INSTALLATION OF EQUIPMENT. PRIOR TO ROUGH-IN OF EQUIPMENT, CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING COPIES OF APPROVED SHOP DRAWINGS OF SUCH EQUIPMENT AND REVIEWING SAID SUBMITTALS TO ENSURE COMPATIBILITY WITH THE ELECTRICAL SYSTEM. CONTRACTOR SHALL IMMEDIATELY NOTIFY ARCHITECT/ENGINEER IN WRITING OF ANY DISCREPANCIES BETWEEN THE REQUIRED ROUGH-IN REQUIREMENTS AND THE ELECTRICAL SYSTEM.

B. REFER TO ARCHITECTURAL REFLECTED CEILING FOR ALL CEILING MOUNTED DEVICES.

C. CONTRACTOR SHALL PROPERLY SEAL PENETRATIONS TO RATED ASSEMBLIES AND ALL EXTERIOR WALLS TO PROPERLY MAINTAIN RATING & ASSEMBLIES AND BUILDING ENVELOPE.

D. AS A MINIMUM ALL ELECTRICAL WORK SHALL COMPLY WITH THE 2020 EDITION OF THE NATIONAL ELECTRICAL CODE.

E. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

F. VERIFY REQUIREMENTS FOR ALL OWNER FURNISHED EQUIPMENT PRIOR TO ROUGH-IN.

G. EXHAUST FANS CONTROLLED VIA OCCUPANCY SENSOR (PROVIDED BY MECHANICAL; INSTALLED BY ELECTRICAL). REFER TO MECHANICAL PLANS AND COORDINATE WITH MECHANICAL.

1. MOTORIZED DAMPER. CONNECT TO NEAREST AVAILABLE UNSWITCHED 120V CIRCUIT.
2. EXHAUST FAN. CONNECT FAN TO LIGHTING CIRCUIT SERVING THIS SPACE. REFER TO GENERAL NOTE 'G' FOR FAN CONTROL.
3. CONTRACTOR SHALL PROVIDE ALL CONTROL POWER/WIRING RACEWAY BETWEEN MSAU AND MSCU AS REQUIRED BY MINI-SPLIT MANUFACTURER. INDOOR UNIT IS POWERED BY OUTDOOR UNIT.
4. CONTRACTOR SHALL INTEGRATE HOOD FIRE SUPPRESSION WITH BUILDING FIRE ALARM. CONTRACTOR SHALL PROVIDE ALL NECESSARY AUXILIARY CONTACTS TO PROVIDE SHUNT TRIP CONTROL WIRING FOR MUA-1 FAN CIRCUIT BREAKER AND BOTH OVENS UNDERNEATH HOOD.
5. DUCT DETECTOR. CONNECT TO NEAREST UNSWITCHED 120V CIRCUIT. CONTRACTOR SHALL INTEGRATE DETECTOR WITH BUILDING FIRE ALARM.
6. HOT WATER CIRCULATING PUMP. CONTRACTOR TO PROVIDE RECEPTACLE FOR PUMP POWER. COORDINATE WITH PLUMBING CONTRACTOR FOR EXACT PUMP LOCATION PRIOR TO ROUGH-IN. WIRE RECEPTACLE TO CIRCUIT BLA-24.

Brossett Architect, LLC • 414 Pujo St., Lake Charles, LA 70601

ARCH #24009 BA

VER.	DATE	DESCRIPTION
0	12/20/2025	CONSTRUCTION DOCUMENTS

© COPYRIGHT 2025,
Brossett Architect, LLC
All Rights Reserved.
This document shall not be
copied or reproduced
without written permission.

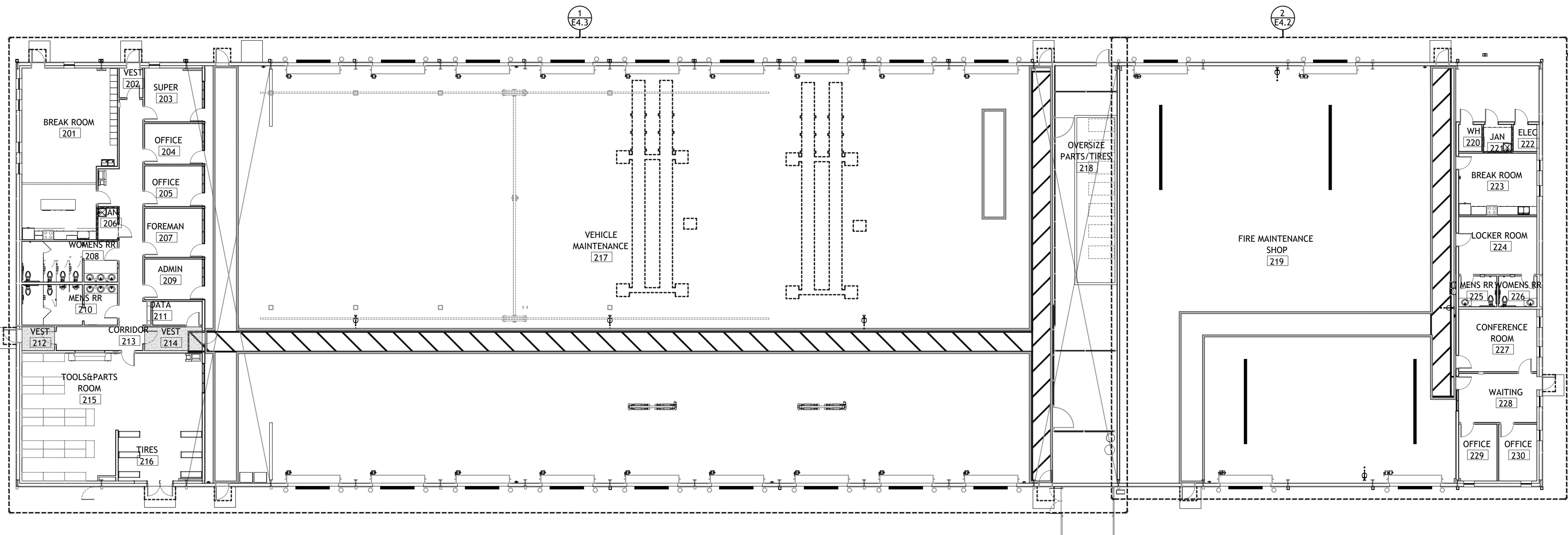
CONSTRUCTION DOCUMENTS



Project No. 25082

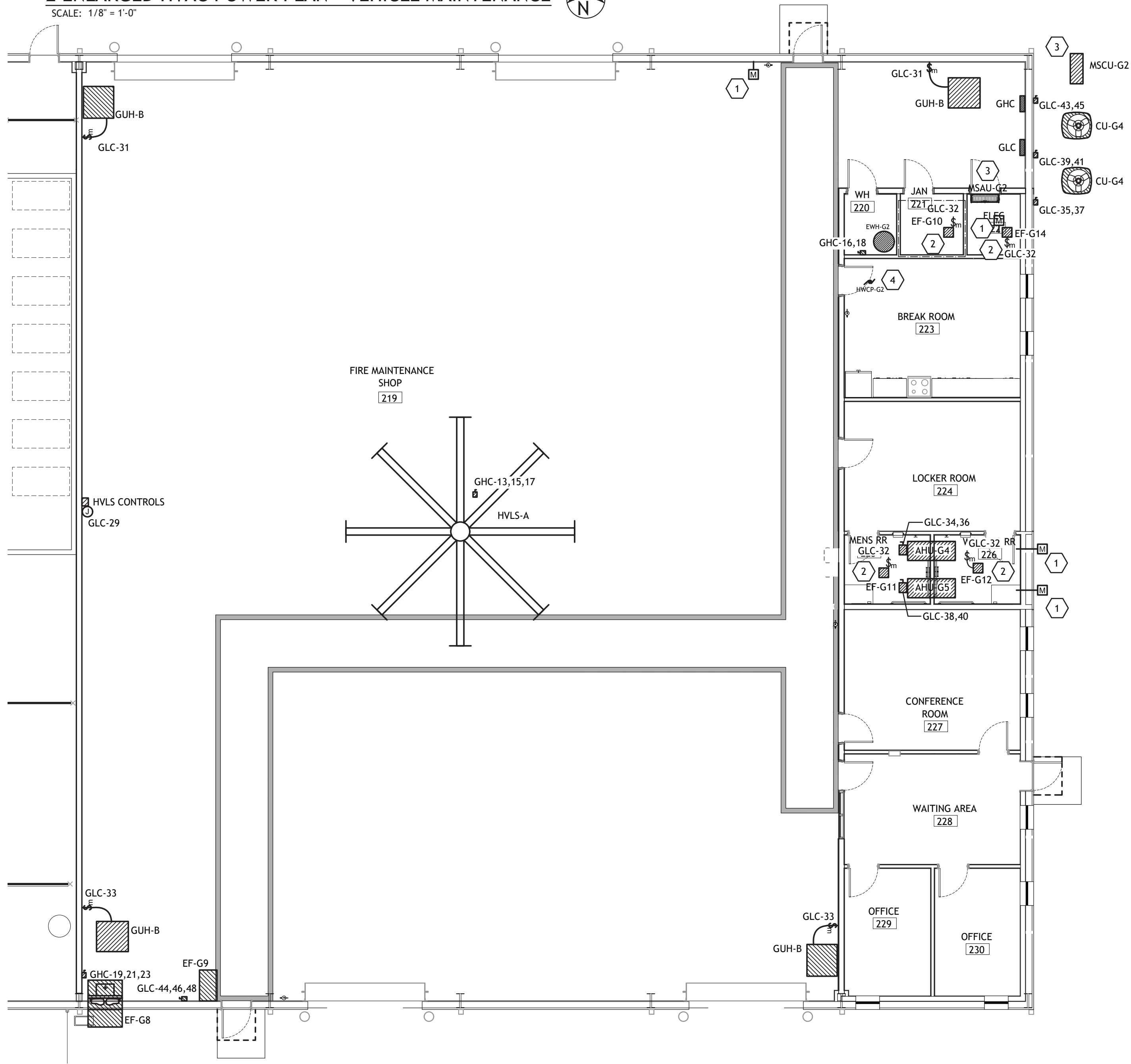
1 HVAC POWER PLAN - VEHICLE MAINTENANCE

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



2 ENLARGED HVAC POWER PLAN - VEHICLE MAINTENANCE

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



HVAC POWER GENERAL NOTES

- A. CONTRACTOR SHALL REFER TO ALL OTHER PORTIONS OF THE CONTRACT DOCUMENTS (PLANS, SPECIFICATIONS, ADDENDA, ARCHITECTURAL SUPPLEMENTAL INSTRUCTIONS AND ANY APPROVED CHANGE ORDERS) AND PROVIDE ALL LIGHT FIXTURES, OUTLETS, TELE/ DATA OUTLETS, SPEAKERS, AND ASSOCIATED CIRCUITRY AS IF ORIGINALLY INCLUDED ON THE ELECTRICAL PLANS. IF THERE ARE ANY DISCREPANCIES, CONTRACTOR SHALL NOTIFY ARCHITECT/ENGINEER IN WRITING PRIOR TO ORDERING EQUIPMENT. ROUGH-IN FOR EQUIPMENT AND/OR INSTALLATION OF EQUIPMENT. PRIOR TO ROUGH-IN OF EQUIPMENT, CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING COPIES OF APPROVED SHOP DRAWINGS OF SUCH EQUIPMENT AND REVIEWING SAID SUBMITTALS TO ENSURE COMPATIBILITY WITH THE ELECTRICAL SYSTEM. CONTRACTOR SHALL IMMEDIATELY NOTIFY ARCHITECT/ENGINEER IN WRITING OF ANY DISCREPANCIES BETWEEN THE REQUIRED ROUGH-IN REQUIREMENTS AND THE ELECTRICAL SYSTEM.
- B. REFER TO ARCHITECTURAL REFLECTED CEILING FOR ALL CEILING MOUNTED DEVICES.
- C. CONTRACTOR SHALL PROPERLY SEAL PENETRATIONS TO RATED ASSEMBLIES AND ALL EXTERIOR WALLS TO PROPERLY MAINTAIN RATING & ASSEMBLIES AND BUILDING ENVELOPE.
- D. AS A MINIMUM ALL ELECTRICAL WORK SHALL COMPLY WITH THE 2020 EDITION OF THE NATIONAL ELECTRICAL CODE.
- E. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- F. VERIFY REQUIREMENTS FOR ALL OWNER FURNISHED EQUIPMENT PRIOR TO ROUGH-IN.
- G. EXHAUST FANS CONTROLLED VIA OCCUPANCY SENSOR (PROVIDED BY MECHANICAL; INSTALLED BY ELECTRICAL). REFER TO MECHANICAL PLANS AND COORDINATE WITH MECHANICAL.

HVAC POWER KEYNOTES

1. MOTORIZED DAMPER. CONNECT TO NEAREST AVAILABLE UNSWITCHED 120V CIRCUIT.
2. EXHAUST FAN. REFER TO MECHANICAL SHEETS FOR CONTROL AND FAN LOCATION.
3. CONTRACTOR SHALL PROVIDE ALL CONTROL POWER/WIRING RACEWAY BETWEEN MSU AND MSCU AS REQUIRED BY MINI-SPLIT MANUFACTURER. INDOOR UNIT IS POWERED BY OUTDOOR UNIT.
4. HOT WATER CIRCULATING PUMP. CONTRACTOR TO PROVIDE RECEPTACLE FOR PUMP POWER. COORDINATE WITH PLUMBING CONTRACTOR FOR EXACT PUMP LOCATION PRIOR TO ROUGH-IN. WIRE RECEPTACLE TO CIRCUIT GLC-10.



Brossett
Architect



Brossett Architect, LLC • 414 Pujo St., Lake Charles, LA 70601

LAKE CHARLES PUBLIC WORKS
NEW FACILITY PHASE 2

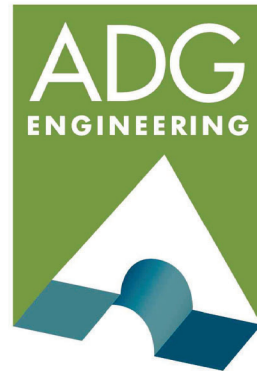
4200 BROAD STREET
LAKE CHARLES, LA 70615
HVAC POWER PLAN - VEHICLE MAINTENANCE

SHEET NO.

E4.2

ARCH #24009 BA

CONSTRUCTION DOCUMENTS

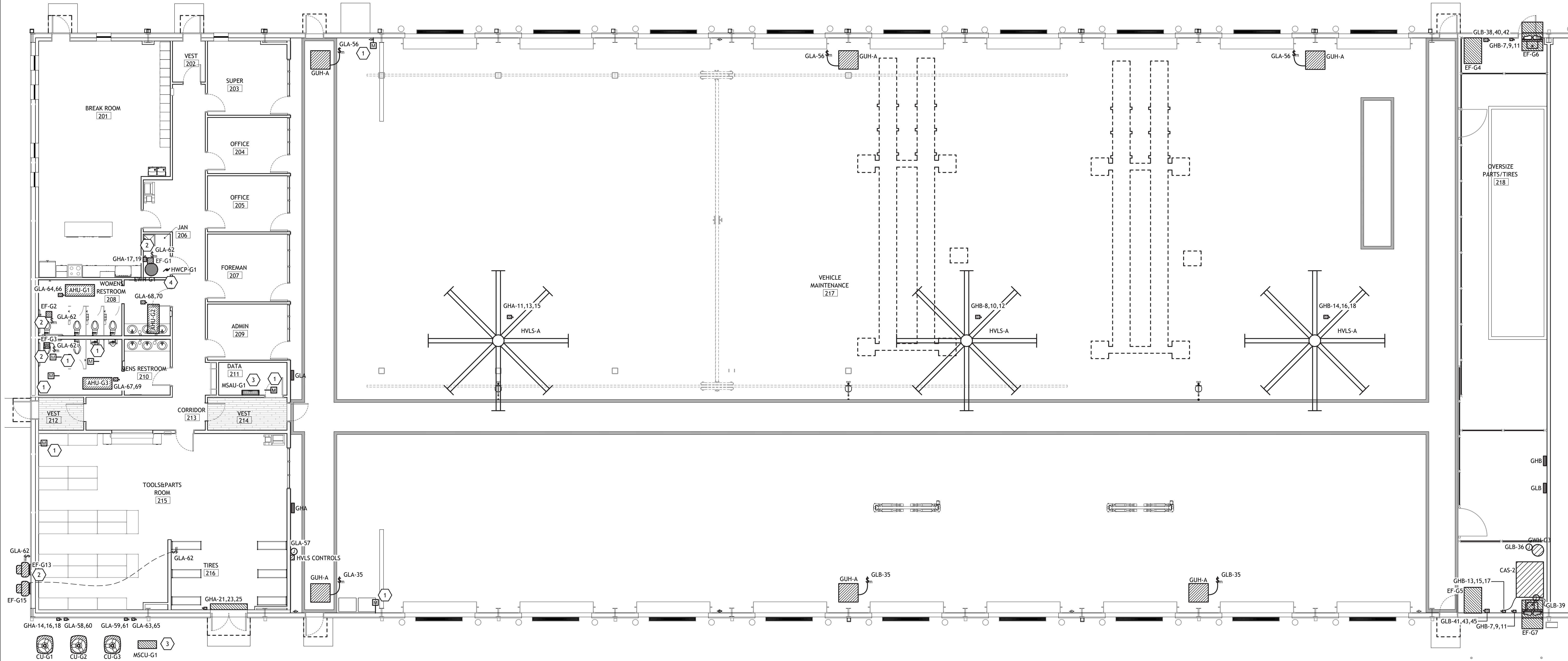


ASSOCIATED DESIGN GROUP, INC.
3909 W Congress Street, Suite 201
Lafayette, Louisiana 70506
Phone: (337) 234-5710
Email: adginc@adginc.org

Project No. 25082

VER.	DATE	DESCRIPTION
0	12/20/2025	CONSTRUCTION DOCUMENTS

© COPYRIGHT 2025,
Brossett Architect, LLC
All Rights Reserved.
This document shall not be
copied or reproduced
without written permission.

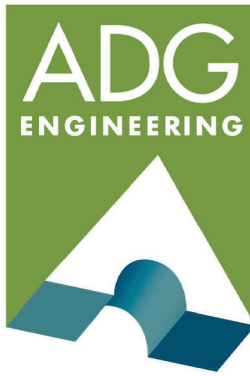


HVAC POWER GENERAL NOTES

- A. CONTRACTOR SHALL REFER TO ALL OTHER PORTIONS OF THE CONTRACT DOCUMENTS (PLANS, SPECIFICATIONS, ADDENDA, ARCHITECTURAL SUPPLEMENTAL INSTRUCTIONS AND ANY APPROVED CHANGE ORDERS) AND PROVIDE ALL LIGHT FIXTURES, OUTLETS, TELE/ DATA OUTLETS, SPEAKERS, AND ASSOCIATED CIRCUITRY AS IF ORIGINALLY INCLUDED ON THE ELECTRICAL PLANS. IF THERE ARE ANY DISCREPANCIES, CONTRACTOR SHALL NOTIFY ARCHITECT/ENGINEER IN WRITING PRIOR TO ORDERING EQUIPMENT, ROUGH-IN FOR EQUIPMENT AND/OR INSTALLATION OF EQUIPMENT. PRIOR TO ROUGH-IN OF EQUIPMENT, CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING COPIES OF APPROVED SHOP DRAWINGS OF SUCH EQUIPMENT AND REVIEWING SAID SUBMITTALS TO ENSURE COMPATIBILITY WITH THE ELECTRICAL SYSTEM. CONTRACTOR SHALL IMMEDIATELY NOTIFY ARCHITECT/ENGINEER IN WRITING OF ANY DISCREPANCIES BETWEEN THE REQUIRED ROUGH-IN REQUIREMENTS AND THE ELECTRICAL SYSTEM.
- B. REFER TO ARCHITECTURAL REFLECTED CEILING FOR ALL CEILING MOUNTED DEVICES.
- C. CONTRACTOR SHALL PROPERLY SEAL PENETRATIONS TO RATED ASSEMBLIES AND ALL EXTERIOR WALLS TO PROPERLY MAINTAIN RATING & ASSEMBLIES AND BUILDING ENVELOPE.
- D. AS A MINIMUM ALL ELECTRICAL WORK SHALL COMPLY WITH THE 2020 EDITION OF THE NATIONAL ELECTRICAL CODE.
- E. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- F. VERIFY REQUIREMENTS FOR ALL OWNER FURNISHED EQUIPMENT PRIOR TO ROUGH-IN.
- G. EXHAUST FANS CONTROLLED VIA OCCUPANCY SENSOR (PROVIDED BY MECHANICAL; INSTALLED BY ELECTRICAL). REFER TO MECHANICAL PLANS AND COORDINATE WITH MECHANICAL.

HVAC POWER KEYNOTES

1. MOTORIZED DAMPER. CONNECT TO NEAREST AVAILABLE UNSWITCHED 120V CIRCUIT.
2. EXHAUST FAN. REFER TO MECHANICAL SHEETS FOR CONTROL AND FAN LOCATION.
3. CONTRACTOR SHALL PROVIDE ALL CONTROL POWER/WIRING RACEWAY BETWEEN MSAU AND MSCU AS REQUIRED BY MINI-SPLIT MANUFACTURER. INDOOR UNIT IS POWERED BY OUTDOOR UNIT.
4. HOT WATER CIRCULATING PUMP. CONTRACTOR TO PROVIDE RECEPTACLE FOR PUMP POWER. COORDINATE WITH PLUMBING CONTRACTOR FOR EXACT PUMP LOCATION PRIOR TO ROUGH-IN. WIRE RECEPTACLE TO CIRCUIT GLA-37.



ASSOCIATED DESIGN GROUP, INC.
3909 W Congress Street, Suite 201
Lafayette, Louisiana 70506
Phone: (337) 234-5710
Email: adginc@adginc.org

Project No. 25082

CONSTRUCTION DOCUMENTS

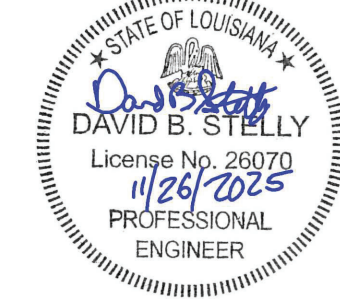
SHEET NO.

E4.3

LAKE CHARLES PUBLIC WORKS
NEW FACILITY PHASE 2

4200 BROAD STREET
LAKE CHARLES, LA 70615

ENLARGED HVAC POWER PLANS - VEHICLE MAINTENANCE

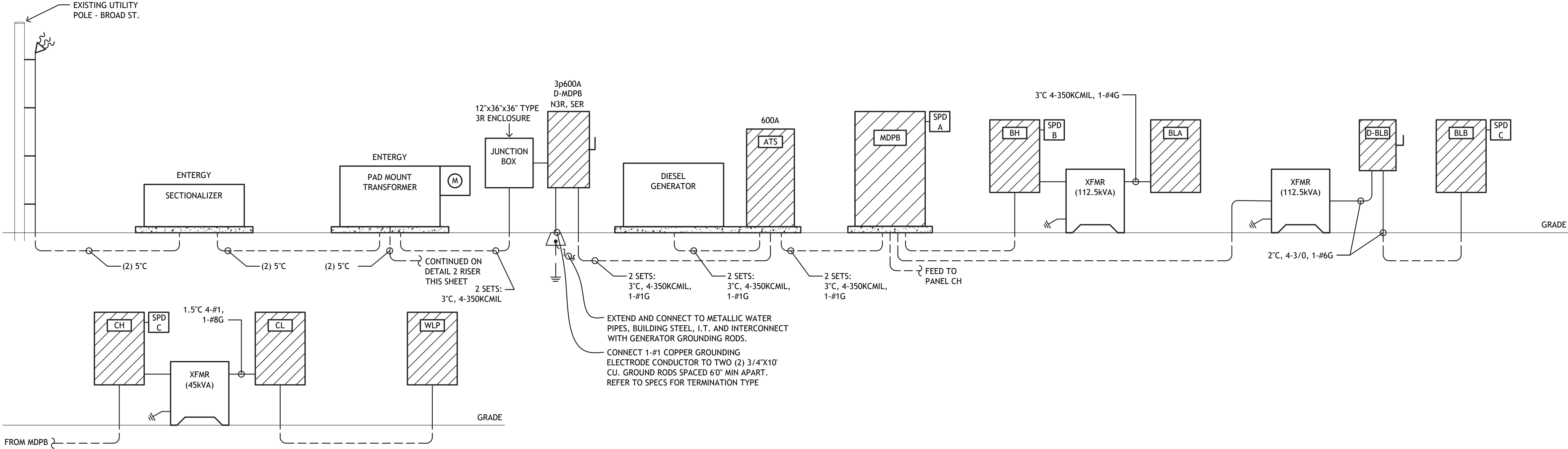


Brossett
Architect

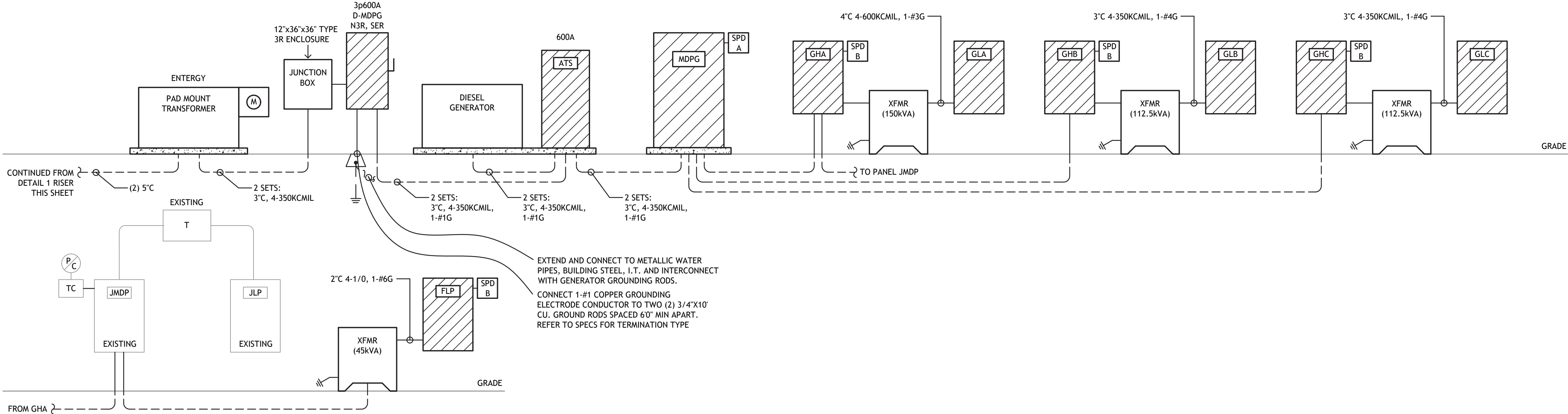


Brossett Architect, LLC • 414 Pujot St., Lake Charles, LA 70601

ELECTRICAL LEGEND	
SYMBOL	DESCRIPTION
	LIGHTING FIXTURE - SEE FIXTURE SCHEDULE
	LIGHTING FIXTURE - SEE FIXTURE SCHEDULE
	EXIT SIGN FIXTURE - SEE FIXTURE SCHEDULE
	SINGLE POLE TOGGLE SWITCH
	SUBSCRIPT DENOTES FIXTURE BEING CONTROLLED
	THREE-WAY TOGGLE SWITCH
	FOUR-WAY TOGGLE SWITCH
	DIMMER SWITCH
	TIMER SWITCH
	OCCUPANCY SENSOR
	CEILING MOUNTED OCCUPANCY SENSOR
	LIGHTING CONTROL POWER PACK RELAY
	PHOTOELECTRIC CONTROL
	DUPLEX CONVENIENCE OUTLET
	COUNTER TOP MOUNTING HEIGHT (CLEAR BACK SPLASH)
	DOUBLE-DUPLEX CONVENIENCE OUTLET
	SPECIAL OUTLET
	JUNCTION BOX
	JUNCTION BOX W/FLEXIBLE CONDUIT
	ELECTRIC MOTOR
	MOTOR RATED SWITCH
	2 POLE MOTOR RATED SWITCH
	AUTOMATIC TRANSFER SWITCH (ATS)
	FLOOR BOX WITH DUPLEX POWER OUTLET
	FLOOR BOX WITH COMBINATION DUPLEX POWER OUTLET AND DATA OUTLET
	ELECTRICAL PANELBOARD - SURFACE MOUNTED (HATCHING DENOTES NEW EQUIPMENT)
	ELECTRICAL PANELBOARD (HATCHING DENOTES NEW EQUIPMENT)
	TELEDATA BACKBOARD
	UTILITY METER
	DISCONNECT SWITCH (HATCHING DENOTES NEW EQUIPMENT)
	TRANSFORMER
	DATA/COMMUNICATIONS OUTLET (SEE SPECIFICATIONS FOR ROUGH-IN REQUIREMENTS)
	WIRELESS ACCESS POINT
	CONDUIT RUN CONCEALED IN WALL OR ABOVE CEILING
	HOMERUN TO ELECTRIC PANELBOARD
	CONDUIT RUN CONCEALED BELOW FLOOR OR IN SLAB
	UNDERGROUND FIBER OPTIC
	ELECTRICAL UNDERGROUND CONDUIT
	SMOKE DETECTOR (CEILING MOUNTED)
	FIRE ALARM PULL STATION
	FIRE ALARM AUDIO/VISUAL UNIT
	FIRE ALARM AUDIO/VISUAL UNIT - CEILING MOUNTED
	FIRE ALARM VISUAL UNIT
	FIRE ALARM VISUAL UNIT - CEILING MOUNTED
	FIRE ALARM AUDIO UNIT
	FIRE ALARM DUCT DETECTOR (MOUNT IN HVAC SUPPLY AND RETURN DUCT)
	FIRE ALARM CONTROL PANEL
	TAMPER
	FLOW
	PRESSURE
	MAGNETIC HOLD OPEN
	CARD READER
	MAG LOCK
	ELECTRIC STRIKE
	KEYPAD
	COUNTER-TOP-HEIGHT MOUNTED
	ELECTRIC WATER COOLER
	GROUND FAULT INTERRUPTER PROTECTED
	LIGHTING CONTACTOR
	PULLBOX
	SERVICE ENTRANCE RATED
	TIME CLOCK
	WEATHERPROOF



1 ELECTRICAL RISER DIAGRAM - CREW BUILDING
SCALE: N.T.S.



2 ELECTRICAL RISER DIAGRAM - VEHICLE MAINTENANCE BUILDING
SCALE: N.T.S.

SAFETY SWITCH SCHEDULE						
EQUIPMENT SERVED	AMPERAGE RATING	VOLTAGE RATING	POLES	DUTY LISTING	NEMA RATING	FUSE SIZE
AHU-G1	100	240	2	HEAVY	1	*
AHU-G2	60	240	2	HEAVY	1	*
AHU-G3	60	240	2	HEAVY	1	*
AHU-G4	100	240	2	HEAVY	1	*
AHU-G5	100	240	2	HEAVY	1	*
CAS-1	30	600	3	HEAVY	1	*
CAS-2	30	600	3	HEAVY	1	*
CU-1	60	600	3	HEAVY	3R	*
CU-2	60	600	3	HEAVY	3R	*
CU-G1	30	600	3	HEAVY	3R	*
CU-G2	30	240	2	HEAVY	3R	*
CU-G3	30	240	2	HEAVY	3R	*
CU-G4	30	240	2	HEAVY	3R	*
CU-G5	30	240	2	HEAVY	3R	*
CU-DOAS-1	30	600	3	HEAVY	3R	*
CU-DOAS-2	30	600	3	HEAVY	3R	*
CU-DOAS-2	30	600	3	HEAVY	3R	*
D-BLB	300	240	3	HEAVY	3R	300
D-MDPB	600	600	3	HEAVY	3R	600

* FUSE SWITCH AT EQUIPMENT MANUFACTURER'S NAMEPLATE RECOMMENDATIONS
** DISCONNECTS SHALL BE LABELED WITHIN SUBMITTALS FOR EQUIPMENT IT SERVES

SAFETY SWITCH SCHEDULE						
EQUIPMENT SERVED	AMPERAGE RATING	VOLTAGE RATING	POLES	DUTY LISTING	NEMA RATING	FUSE SIZE
D-MDPG	600	600	3	HEAVY	3R	600
DUST COLLECTOR	30	600	3	HEAVY	3R	*
EF-G4	60	240	3	HEAVY	1	*
EF-G5	60	240	3	HEAVY	1	*
EF-G6	30	600	3	HEAVY	1	*
EF-G7	30	600	3	HEAVY	1	*
EF-G8	30	600	3	HEAVY	1	*
EF-G9	30	240	3	HEAVY	1	*
EWB-B	30	600	3	HEAVY	1	*
EWB-G1	30	600	2	HEAVY	1	*
EWB-G2	30	600	2	HEAVY	1	*
HEATED ENCLOSURE	30	240	2	HEAVY	3R	20
HVLS-A	30	600	3	HEAVY	1	*
LARGE LIFT	60	240	2	HEAVY	1	*
MSCU-1	30	240	2	HEAVY	3R	*
MSCU-G1	30	240	2	HEAVY	3R	*
MSCU-G2	30	240	2	HEAVY	3R	*
OVERHEAD DOOR	30	240	3	HEAVY	1	*

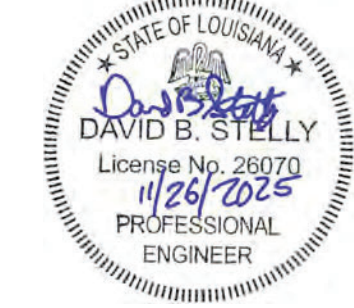
* FUSE SWITCH AT EQUIPMENT MANUFACTURER'S NAMEPLATE RECOMMENDATIONS
** DISCONNECTS SHALL BE LABELED WITHIN SUBMITTALS FOR EQUIPMENT IT SERVES



ASSOCIATED DESIGN GROUP, INC.
3909 W Congress Street, Suite 201
Lafayette, Louisiana 70506
Phone: (337) 234-5710
Email: adginc@adginc.org

Project No. 25082

CONSTRUCTION DOCUMENTS



Brossett
Architect

LAKE CHARLES PUBLIC WORKS
NEW FACILITY PHASE 2

4200 BROAD STREET
LAKE CHARLES, LA 70615
ELECTRICAL LEGEND, RISER & SCHEDULES

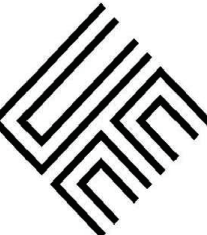
SHEET NO.
E5.0

VER.	DATE	DESCRIPTION
0	12/20/2025	CONSTRUCTION DOCUMENTS

© COPYRIGHT 2025,
Brossett Architect, LLC
All Rights Reserved.
This document shall not be
copied or reproduced
without written permission.



Brossett
Architect

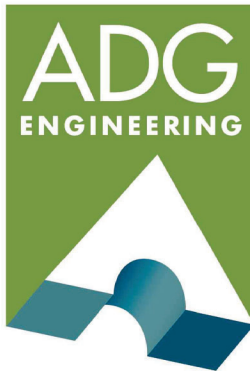


Brossett Architect, LLC • 414 Pujo St., Lake Charles, LA 70601

LAKE CHARLES PUBLIC WORKS
NEW FACILITY PHASE 2
4200 BROAD STREET
LAKE CHARLES, LA 70615
ELECTRICAL PANEL SCHEDULES

SHEET NO.
E5.1
ARCH #2409 EA

CONSTRUCTION DOCUMENTS



ASSOCIATED DESIGN GROUP, INC.
3909 W Congress Street, Suite 201
Lafayette, Louisiana 70506
Phone: (337) 234-5710
Email: adginc@adginc.org

Project No. 25082

VER.	DATE	DESCRIPTION
0	12/20/2025	CONSTRUCTION DOCUMENTS

© COPYRIGHT 2025, Brossett Architect, LLC. All Rights Reserved. This document shall not be copied or reproduced without written permission.

PANELCH

VOLTAGE480/277V, 3Ø, 4W, WYE
208/120V, 3Ø, 4W, WYE
240/120V, 3Ø, 4W, DELTA W/ 3Ø "STINGER"

100_AMPFACTORY MAIN CIRCUIT BREAKER
SHUNT TRIP MAIN CB
MAIN LUGS ONLY
UL LISTED FEED-THRU LUGS

NEUTRAL100% 200%

MOUNTINGSURFACE RECESSED
FREE STANDING (FRONT ACCESS ONLY)
FREE STANDING (FRONT AND REAR ACCESS)

ENCLOSURENEMA 1 (TOOL-LESS DOOR-IN-DOOR CONSTRUCTION)
NEMA 3R
NEMA 4X 320 STAINLESS STEEL
LOCKABLE COVER

FEEDTOP
BOTTOM

BRANCHESBOLT-ON, PANELBOARD CONSTR.
FUSIBLE SWITCHES, FURNISH ALL FUSES, RK5
PLUG-ON, LOADCENTER CONSTR.

AIC RATING22K
FULLY RATED
SERIES RATED
FURNISH GROUND BAR KIT
FURNISH ADDITIONAL
ISOLATED GROUND BAR KIT
SERVICE ENTRANCE LABEL

ALL COPPER BUSSING

CKT. #	TRIP AMPS	WIRE	GND	COND.	LOAD DESCRIPTION	NOTES	A B C	NOTES	LOAD DESCRIPTION	COND.	GND	WIRE	TRIP AMPS	CKT. #
1	60	3-6	10	1"	PANEL CL VIA TRX	--		--	STORAGE LIGHTS	1/2"	12	2-12	20	2
3								--	SPACE	--	--	--	--	4
5								--	SPACE	--	--	--	--	6
7	--	--	--	--	SPACE	--		--	SPACE	--	--	--	--	8
9	--	--	--	--	SPACE	--		--	SPACE	--	--	--	--	10
11	--	--	--	--	SPACE	--		--	SPACE	--	--	--	--	12
13	--	--	--	--	SPACE	--		--	SPACE	--	--	--	--	14
15	--	--	--	--	SPACE	--		--	SPACE	--	--	--	--	16
17	--	--	--	--	SPACE	--		--	SPACE	--	--	--	--	18

NOTES:
(1) FINAL AIC RATING FOR THE PANEL TO BE BASED UPON FAULT CURRENT STUDY. FAULT CURRENT VALUE PROVIDED IS FOR BIDDING PURPOSES ONLY. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

TOTAL LOAD = 35.27 KVA
TOTAL AMPS = 42.42 AMPS

PANELBH

VOLTAGE480/277V, 3Ø, 4W, WYE
208/120V, 3Ø, 4W, WYE
240/120V, 3Ø, 4W, DELTA W/ 3Ø "STINGER"

400_AMPFACTORY MAIN CIRCUIT BREAKER
SHUNT TRIP MAIN CB
MAIN LUGS ONLY
UL LISTED FEED-THRU LUGS

NEUTRAL100% 200%

MOUNTINGSURFACE RECESSED
FREE STANDING (FRONT ACCESS ONLY)
FREE STANDING (FRONT AND REAR ACCESS)

ENCLOSURENEMA 1 (TOOL-LESS DOOR-IN-DOOR CONSTRUCTION)
NEMA 3R
NEMA 4X 320 STAINLESS STEEL
LOCKABLE COVER

FEEDTOP
BOTTOM

BRANCHESBOLT-ON, PANELBOARD CONSTR.
FUSIBLE SWITCHES, FURNISH ALL FUSES, RK5
PLUG-ON, LOADCENTER CONSTR.

AIC RATING22K
FULLY RATED
SERIES RATED
FURNISH GROUND BAR KIT
FURNISH ADDITIONAL
ISOLATED GROUND BAR KIT
SERVICE ENTRANCE LABEL

ALL COPPER BUSSING

CKT. #	TRIP AMPS	WIRE	GND	COND.	LOAD DESCRIPTION	NOTES	A B C	NOTES	LOAD DESCRIPTION	COND.	GND	WIRE	TRIP AMPS	CKT. #
1	150	3-10	6	2"	PANEL BLA VIA TRX	--		--	PAVILLION LIGHTS	1/2"	10	2-10	20	2
3								--	LIGHTS	1/2"	12	2-12	20	4
5								--	LIGHTS	1/2"	12	2-12	20	6
7	20	2-10	10	1/2"	EXTERIOR LIGHTING	--		--	LIGHTS	1/2"	12	2-12	20	8
9	20	2-8	8	3/4"	AREA LIGHTS	--		--	LIGHTS	1/2"	12	2-12	20	10
11								--	AIR CURTAIN	1/2"	12	4-12	20	12
13	30	4-10	10	1/2"	EWB-B	--								14
15														16
17								--	CU-DOAS-1	1"	10	4-8	40	18
19	50	4-8	10	1"	CU-1	--								20
21														22
23								--	CU-DOAS-2	1"	10	4-8	40	24
25	50	4-8	10	1"	CU-1	--								26
27														28
29								--	SPACE	--	--	--	--	30
31	40	4-8	10	1"	CU-2	--		--	SPACE	--	--	--	--	32
33								--	SPACE	--	--	--	--	34
35								--	SPACE	--	--	--	--	36
37	--	--	--	--	SPACE	--		--	SPD	1"	10	4-6	60	38
39	--	--	--	--	SPACE	--								40
41	--	--	--	--	SPACE	--								42

NOTES:
(1) FINAL AIC RATING FOR THE PANEL TO BE BASED UPON FAULT CURRENT STUDY. FAULT CURRENT VALUE PROVIDED IS FOR BIDDING PURPOSES ONLY. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

TOTAL LOAD= 243.02 KVA
TOTAL AMPS= 292.31 AMPS

PANELMDPB

VOLTAGE480/277V, 3Ø, 4W, WYE
208/120V, 3Ø, 4W, WYE
240/120V, 3Ø, 4W, DELTA W/ 3Ø "STINGER"

600_AMPFACTORY MAIN CIRCUIT BREAKER
SHUNT TRIP MAIN CB
MAIN LUGS ONLY
UL LISTED FEED-THRU LUGS

NEUTRAL100% 200%

MOUNTINGSURFACE RECESSED
FREE STANDING (FRONT ACCESS ONLY)
FREE STANDING (FRONT AND REAR ACCESS)

ENCLOSURENEMA 1 (TOOL-LESS DOOR-IN-DOOR CONSTRUCTION)
NEMA 3R
NEMA 4X 320 STAINLESS STEEL
LOCKABLE COVER

FEEDTOP
BOTTOM

BRANCHESBOLT-ON, PANELBOARD CONSTR.
FUSIBLE SWITCHES, FURNISH ALL FUSES, RK5
PLUG-ON, LOADCENTER CONSTR.

AIC RATING42K
FULLY RATED
SERIES RATED
FURNISH GROUND BAR KIT
FURNISH ADDITIONAL
ISOLATED GROUND BAR KIT
SERVICE ENTRANCE LABEL

ALL COPPER BUSSING

CKT. #	TRIP AMPS	WIRE	GND	COND.	LOAD DESCRIPTION	NOTES	A B C	NOTES	LOAD DESCRIPTION	COND.	GND	WIRE	TRIP AMPS	CKT. #
1	400	4-600	3	4"	PANEL BH	--		--	PANEL CH	1-1/4"	8	4-3	100	2
3														4
5														6
7	150	3-10	6	2"	PANEL BLB VIA TRX	--		--	CAS-1	1/2"	12	4-12	20	8
9														10
11														12
13	20	4-12	12	1/2"	DUST COLLECTOR	--		--	AIR CURTAIN	1/2"	12	4-12	20	14
15														16
17														18
19	--	--	--	--	SPACE	--		--	SPACE	--	--	--	--	20
21	--	--	--	--	SPACE	--		--	SPACE	--	--	--	--	22
23	--	--	--	--	SPACE	--		--	SPACE	--	--	--	--	24
25	--	--	--	--	SPACE	--		--	SPD	1-1/4"	8	4-3	100	26
27	--	--	--	--	SPACE	--								28
29	--	--	--	--	SPACE	--								30

NOTES:
(1) FINAL AIC RATING FOR THE PANEL TO BE BASED UPON FAULT CURRENT STUDY. FAULT CURRENT VALUE PROVIDED IS FOR BIDDING PURPOSES ONLY. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

TOTAL LOAD = 368.70 KVA
TOTAL AMPS = 443.47 AMPS

PANELCL

VOLTAGE480/277V, 3Ø, 4W, WYE
208/120V, 3Ø, 4W, WYE
240/120V, 3Ø, 4W, DELTA W/ 3Ø "STINGER"

125_AMPFACTORY MAIN CIRCUIT BREAKER
SHUNT TRIP MAIN CB
MAIN LUGS ONLY
UL LISTED FEED-THRU LUGS

NEUTRAL100% 200%

MOUNTINGSURFACE RECESSED
FREE STANDING (FRONT ACCESS ONLY)
FREE STANDING (FRONT AND REAR ACCESS)

ENCLOSURENEMA 1 (TOOL-LESS DOOR-IN-DOOR CONSTRUCTION)
NEMA 3R
NEMA 4X 320 STAINLESS STEEL
LOCKABLE COVER

FEEDTOP
BOTTOM

BRANCHESBOLT-ON, PANELBOARD CONSTR.
FUSIBLE SWITCHES, FURNISH ALL FUSES, RK5
PLUG-ON, LOADCENTER CONSTR.

AIC RATING10K
FULLY RATED
SERIES RATED
FURNISH GROUND BAR KIT
FURNISH ADDITIONAL
ISOLATED GROUND BAR KIT
SERVICE ENTRANCE LABEL

ALL COPPER BUSSING

CKT. #	TRIP AMPS	WIRE	GND	COND.	LOAD DESCRIPTION	NOTES	A B C	NOTES	LOAD DESCRIPTION	COND.	GND	WIRE	TRIP AMPS	CKT. #
1	150	4-10	6	2"	PANEL WLP	--		--	STORAGE RECEPT	1/2"	12	2-12	20	2
3								--	EF-C(4,6,8)	1/2"	12	2-12	20	4
5								--	EF-C(1,2)	1/2"	12	2-12	20	6
7	20	2-12	12	1/2"	STORAGE RECEPT	--		--	EF-C(5,7,9)	1/2"	12	2-12	20	8
9	20	2-12	12	1/2"	STORAGE RECEPT	--		--	STRUCTURE F RECPT	1/2"	10	2-10	20	10
11	20	--	--	--	SPARE	--		--	SPARE	--	--	--	20	12
13	20	--	--	--	SPARE	--		--	SPARE	--	--	--	20	14
15	20	--	--	--	SPARE	--		--	SPARE	--	--	--	20	16
17	20	--	--	--	SPARE	--		--	SPARE	--	--	--	20	18

NOTES:
(1) FINAL AIC RATING FOR THE PANEL TO BE BASED UPON FAULT CURRENT STUDY. FAULT CURRENT VALUE PROVIDED IS FOR BIDDING PURPOSES ONLY. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
(2) ALL SPARE CIRCUIT BREAKERS SHALL INSTALLED IN THE 'OFF' POSITION

TOTAL LOAD = 31.51 KVA
TOTAL AMPS = 87.47 AMPS

PANELBLB

VOLTAGE480/277V, 3Ø, 4W, WYE
208/120V, 3Ø, 4W, WYE
240/120V, 3Ø, 4W, DELTA W/ 3Ø "STINGER"

300_AMPFACTORY MAIN CIRCUIT BREAKER
SHUNT TRIP MAIN CB
MAIN LUGS ONLY
UL LISTED FEED-THRU LUGS

NEUTRAL100% 200%

MOUNTINGSURFACE RECESSED
FREE STANDING (FRONT ACCESS ONLY)
FREE STANDING (FRONT AND REAR ACCESS)

ENCLOSURENEMA 1 (TOOL-LESS DOOR-IN-DOOR CONSTRUCTION)
NEMA 3R
NEMA 4X 320 STAINLESS STEEL
LOCKABLE COVER

FEEDTOP
BOTTOM

BRANCHESBOLT-ON, PANELBOARD CONSTR.
FUSIBLE SWITCHES, FURNISH ALL FUSES, RK5
PLUG-ON, LOADCENTER CONSTR.

AIC RATING14K
FULLY RATED
SERIES RATED
FURNISH GROUND BAR KIT
FURNISH ADDITIONAL
ISOLATED GROUND BAR KIT
SERVICE ENTRANCE LABEL

ALL COPPER BUSSING

CKT. #	TRIP AMPS	WIRE	GND	COND.	LOAD DESCRIPTION	NOTES	A B C	NOTES	LOAD DESCRIPTION	COND.	GND	WIRE	TRIP AMPS	CKT. #
1	20	2-12	12	1/2"	OFFICE 130 RECEPT	--		--	OFFICE 131 RECEPT	1/2"	12	2-12	20	2
3	20	2-12	12	1/2"	OFFICE 132 RECEPT	--		--	OFFICE 132 RECEPT	1/2"	12	2-12	20	4
5	20	2-12	12	1/2"	TOOL ROOM RECEPT	--		--	CARP. SHOP RECEPT	1/2"	12	2-12	20	6
7	20	2-12	12	1/2"	CARP. SHOP RECEPT	--		--	WELDING 129 RECEPT	3/4"	10	3-8	50	8
9	20	2-12	12	1/2"	CARP. SHOP RECEPT	--		--	EXTERIOR RECEPT	3/4"	10	3-8	50	10
11	50	3-8	10	3/4"	EXTERIOR RECEPT	--								12
13														14
15	20	2-12	12	1/2"	OFFICE 140 RECEPT	--		--	OFFICE 145 RECEPT	1/2"	12	2-12	20	16
17	20	2-12	12	1/2"	OFFICE 141 RECEPT	--		--	OFFICE 146 RECEPT	1/2"	12	2-12	20	18
19	20	2-12	12	1/2"	OFFICE 148 RECEPT	--		--	OFFICE 142 RECEPT	1/2"	12	2-12	20	20
21	20	2-12	12	1/2"	OFFICE 144 RECEPT	--		--	OFFICE 150 RECEPT	1/2"	12	2-12	20	22
23	20	3-12	12	1/2"	OH DOOR	--		--	CARP. SHOP RECEPT	1/2"	12	2-12	20	24
25								--	CARP. SHOP RECEPT	1/2"	12	2-12	20	26
27	20	2-12	12	1/2"	CARP. SHOP RECEPT	--		--	CARP. SHOP RECEPT	1/2"	12	2-12	20	28
29	20	2-12	12	1/2"	CARP. SHOP RECEPT	--		--	CARP. SHOP RECEPT	1/2"	12	2-12	20	30
31	20	2-12	12	1/2"	CARP. SHOP RECEPT	--		--	CARP. SHOP RECEPT	1/2"	12	2-12	20	32
33	20	2-12	12	1/2"	CARP. SHOP RECEPT	--		--	CARP. SHOP RECEPT	1/2"	12	2-12	20	34
35	20	--	--	--	SPARE	--		--	CARP. SHOP RECEPT	1/2"	12	2-12	20	36
37	20	2-12	12	1/2"	CARP. SHOP FB	--		--	CARP. SHOP REELS	1/2"	12	2-12	20	38
39	20	2-12	12	1/2"	GEN ALT HEATER	--		--	CARP. SHOP REELS	1/2"	12	2-12	20	40
41	30	3-10	10	1/2"	GEN BLOCK HEATER	--		--	GEN ENCL LTS	1/2"	12	2-12	20	42
43								--	AC-2	1/2"	10	2-10	20	44
45	20	2-12	10	1/2"	LIGHTS	--		--	CAS-1 DRYER	1/2"	12	2-12	20	46
47	20	2-12	12	1/2"	LIGHTS	--		--	EF-B9, B10	1/2"	12	2-12	20	48
49	20	2-12	12	1/2"	LIGHTS	--		--	GEN BATT CHARGER	1/2"	10	3-10	30	50
51	20	2-12	12	1/2"	BCC-2	--								52
53														54
55	20	2-12	12	1/2"	METAL RECPT	--		--	METAL RECPT	1/2"	12	2-12	20	56
57	20	2-12	12	1/2"	GROUP OFFICE 148	--		--	METAL RECPT	1/2"	12	2-12	20	58
59	20	2-12	12	1/2"	GROUP OFFICE 148	--		--	DC FIRE SUPPRESS	1/2"	12	2-12	20	60
61	20	--	--	--	SPARE	--		--	DC CONTROL PNL	1/2"	12	2-12	20	62
63	20	--	--	--	SPARE	--		--	SPARE	--	--	--	20	64
65	20	--	--	--	SPARE	--		--	SPARE	--	--	--	20	66
67	20	--	--	--	SPARE	--		--	SPARE	--	--	--	60	68
69	20	--	--	--	SPARE	--								70
71	20	--	--	--	SPARE	--								72

NOTES:
(1) FINAL AIC RATING FOR THE PANEL TO BE BASED UPON FAULT CURRENT STUDY. FAULT CURRENT VALUE PROVIDED IS FOR BIDDING PURPOSES ONLY. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
(2) ALL SPARE CIRCUIT BREAKERS SHALL INSTALLED IN THE 'OFF' POSITION

TOTAL LOAD = 70.37 KVA
TOTAL AMPS = 195.32 AMPS

PANELBLA

VOLTAGE480/277V, 3Ø, 4W, WYE
208/120V, 3Ø

PANELMDPG

VOLTAGE

ENCLOSURE

☐ NEMA 1 (TOOL-LESS DOOR-IN-DOOR CONSTRUCTION)

☐ NEMA 3R

☐ NEMA 4X 320 STAINLESS STEEL

☐ LOCKABLE COVER

AIC RATING

42K

☒ FULLY RATED

☐ SERIES RATED

☒ FURNISH GROUND BAR KIT

☐ FURNISH ADDITIONAL ISOLATED GROUND BAR KIT

☐ SERVICE ENTRANCE LABEL

600_AMP

☒ FACTORY MAIN CIRCUIT BREAKER

☐ SHUNT TRIP MAIN CB

☐ MAIN LUGS ONLY

☐ UL LISTED FEED-THRU LUGS

FEED

☐ TOP

☒ BOTTOM

BRANCHES

☒ BOLT-ON, PANELBOARD CONSTR.

☐ FUSIBLE SWITCHES, FURNISH ALL FUSES, RK5

☐ PLUG-ON, LOADCENTER CONSTR.

NEUTRAL

☒ 100%

☐ 200%

MOUNTING

☒ SURFACE

☐ RECESSED

☐ FREE STANDING (FRONT ACCESS ONLY)

☐ FREE STANDING (FRONT AND REAR ACCESS)

CKT. #	TRIP AMPS	WIRE	GND	COND.	LOAD DESCRIPTION	NOTES	A B C	NOTES	LOAD DESCRIPTION	COND.	GND	WIRE	TRIP AMPS	CKT. #
1	200	4-3/0	6	2"	PANEL GHA	--		--	PANEL GHC	2"	6	4-3/0	200	2
3														4
5														6
7	200	4-3/0	6	2"	PANEL GHB	--		--	SPACE	--	--	--	--	8
9								--	SPACE	--	--	--	--	10
11								--	SPACE	--	--	--	--	12
13	--	--	--	--	SPACE	--		--	SPD	1-1/4"	8	4-3	100	14
15	--	--	--	--	SPACE	--								16
17	--	--	--	--	SPACE	--								18

NOTES:

(1) FINAL AIC RATING FOR THE PANEL TO BE BASED UPON FAULT CURRENT STUDY. FAULT CURRENT VALUE PROVIDED IS FOR BIDDING PURPOSES ONLY. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

(2) ALL SPARE CIRCUIT BREAKERS SHALL INSTALLED IN THE 'OFF' POSITION

TOTAL LOAD = 411.45 KVA
TOTAL AMPS = 494.89 AMPS

PANELFLP

VOLTAGE

ENCLOSURE

☐ NEMA 1 (TOOL-LESS DOOR-IN-DOOR CONSTRUCTION)

☐ NEMA 3R

☐ NEMA 4X 320 STAINLESS STEEL

☐ LOCKABLE COVER

AIC RATING

14K

☒ FULLY RATED

☐ SERIES RATED

☒ FURNISH GROUND BAR KIT

☐ FURNISH ADDITIONAL ISOLATED GROUND BAR KIT

☒ SERVICE ENTRANCE LABEL

150_AMP

☐ FACTORY MAIN CIRCUIT BREAKER

☒ SHUNT TRIP MAIN CB

☐ MAIN LUGS ONLY

☐ UL LISTED FEED-THRU LUGS

FEED

☐ TOP

☒ BOTTOM

BRANCHES

☒ BOLT-ON, PANELBOARD CONSTR.

☐ FUSIBLE SWITCHES, FURNISH ALL FUSES, RK5

☐ PLUG-ON, LOADCENTER CONSTR.

NEUTRAL

☒ 100%

☐ 200%

MOUNTING

☒ SURFACE

☐ RECESSED

☐ FREE STANDING (FRONT ACCESS ONLY)

☐ FREE STANDING (FRONT AND REAR ACCESS)

CKT. #	TRIP AMPS	WIRE	GND	COND.	LOAD DESCRIPTION	NOTES	A B C	NOTES	LOAD DESCRIPTION	COND.	GND	WIRE	TRIP AMPS	CKT. #
1	30	3-10	10	3/4"	FUEL PUMP	--		--	FUEL PUMP	3/4"	10	3-10	30	2
3								--	FUEL PUMP	3/4"	10	3-10	30	4
5	30	3-10	10	3/4"	FUEL PUMP	--		--	FUEL PUMP	3/4"	10	3-10	30	6
7								--	FUEL PUMP	3/4"	10	3-10	30	8
9	30	3-10	10	3/4"	FUEL PUMP	--		--	FUEL PUMP	3/4"	10	3-10	30	10
11								--	FUEL PUMP	3/4"	10	3-10	30	12
13	30	3-10	10	3/4"	FUEL PUMP	--		--	HEATED ENCLOSURE	3/4"	6	2-6	20	14
15								--	AIR COMP	--	--	--	20	16
17	30	3-10	10	3/4"	AIR COMP	--		--						18
19								--	SPARE	--	--	--	20	20
21	20	--	--	--	SPARE	--		--	SPARE	--	--	--	20	22
23	20	--	--	--	SPARE	--		--	SPARE	--	--	--	20	24
25	20	--	--	--	SPARE	--		--	SPARE	--	--	--	20	26
27	20	--	--	--	SPARE	--		--	SPARE	--	--	--	20	28
29	20	--	--	--	SPARE	--		--	SPARE	--	--	--	20	30

NOTES:

(1) FINAL AIC RATING FOR THE PANEL TO BE BASED UPON FAULT CURRENT STUDY. FAULT CURRENT VALUE PROVIDED IS FOR BIDDING PURPOSES ONLY. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

(2) ALL SPARE CIRCUIT BREAKERS SHALL INSTALLED IN THE 'OFF' POSITION

TOTAL LOAD = 39.58 KVA
TOTAL AMPS = 109.86 AMPS

PANELWLP

VOLTAGE

ENCLOSURE

☐ NEMA 1 (TOOL-LESS DOOR-IN-DOOR CONSTRUCTION)

☐ NEMA 3R

☐ NEMA 4X 320 STAINLESS STEEL

☐ LOCKABLE COVER

AIC RATING

14K

☒ FULLY RATED

☐ SERIES RATED

☒ FURNISH GROUND BAR KIT

☐ FURNISH ADDITIONAL ISOLATED GROUND BAR KIT

☐ SERVICE ENTRANCE LABEL

125_AMP

☒ FACTORY MAIN CIRCUIT BREAKER

☐ SHUNT TRIP MAIN CB

☐ MAIN LUGS ONLY

☐ UL LISTED FEED-THRU LUGS

FEED

☐ TOP

☒ BOTTOM

BRANCHES

☒ BOLT-ON, PANELBOARD CONSTR.

☐ FUSIBLE SWITCHES, FURNISH ALL FUSES, RK5

☐ PLUG-ON, LOADCENTER CONSTR.

NEUTRAL

☒ 100%

☐ 200%

MOUNTING

☒ SURFACE

☐ RECESSED

☐ FREE STANDING (FRONT ACCESS ONLY)

☐ FREE STANDING (FRONT AND REAR ACCESS)

CKT. #	TRIP AMPS	WIRE	GND	COND.	LOAD DESCRIPTION	NOTES	A B C	NOTES	LOAD DESCRIPTION	COND.	GND	WIRE	TRIP AMPS	CKT. #
1	20	2-12	12	1/2"	LIGHTS	--		--	EF-D1	1/2"	12	2-12	20	2
3	60	3-6	10	3/4"	WASHER	--		--	RECEPTACLE	1/2"	12	2-12	20	4
5								--	WALL HEATER	1/2"	10	2-10	30	6
7	60	3-6	10	3/4"	WASHER	--		--	SPACE	--	--	--	--	8
9								--	SPACE	--	--	--	--	10
11	--	--	--	--	SPACE	--		--	SPACE	--	--	--	--	12
13	--	--	--	--	SPACE	--		--	SPACE	--	--	--	--	14
15	--	--	--	--	SPACE	--		--	SPACE	--	--	--	--	16
17	--	--	--	--	SPACE	--		--	SPACE	--	--	--	--	18

NOTES:

(1) FINAL AIC RATING FOR THE PANEL TO BE BASED UPON FAULT CURRENT STUDY. FAULT CURRENT VALUE PROVIDED IS FOR BIDDING PURPOSES ONLY. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

(2) ALL SPARE CIRCUIT BREAKERS SHALL INSTALLED IN THE 'OFF' POSITION

TOTAL LOAD = 23.42 KVA
TOTAL AMPS = 65.0 AMPS

BUILDING B

NOTE: This inquiry is NOT an application for service. It is a request for information only.
To Apply For Service: Call 1-800-368-3749

ELECTRIC SERVICE INQUIRY

RETURN TO: ENTERGY

CUSTOMER INFORMATION:

Name_CITY OF LAKE CHARLES

Address

P.O. Box

CityStateZIP

ContactVoice PhoneFAX

SERVICE LOCATION: (Attach applicable maps or prints such as site, utility plan, etc.)

Lot or Tract

StreetBROAD STREETCityLAKE CHARLESStateLAZIP70615

SERVICE DETAILS: (check one response for items 1 through 3):

1. *New customer or Increased load w/Acct# or Existing Building Turn-On

2. Requesting: Overhead Service Underground Service

3. Has point of service (metering location) been approved by ENTERGY? Yes No

REQUESTED IN-SERVICE DATES: temporary permanent

PROPOSED BUILDING CLASSIFICATION:

SIC Code (or, check one of the following):

☐ residential office restaurant/bar retail grocery warehouse school university hospital hotel/motel

☐ mobile home nursing home misc. non-manufacturing building misc. non-manufacturing (no building) misc. manufacturing

LOAD SUMMARY:

Phase/Voltage: 1Ø-120/240 3Ø-120/240 3Ø-120/208 3 Ø-277/480 ** Other

Service Entrance Ampacity: 600

Quantity & Size of Conductors Being Run by Electrician: Qty.: 2 SETS OF 4 Size: 350 KCMIL

All-electric facility? yes no Computer equipment? yes no

BUILDING G

NOTE: This inquiry is NOT an application for service. It is a request for information only.
To Apply For Service: Call 1-800-368-3749

ELECTRIC SERVICE INQUIRY

RETURN TO: ENTERGY

CUSTOMER INFORMATION:

Name_CITY OF LAKE CHARLES

Address

P.O. Box

CityStateZIP

ContactVoice PhoneFAX

SERVICE LOCATION: (Attach applicable maps or prints such as site, utility plan, etc.)

Lot or Tract

StreetBROAD STREETCityLAKE CHARLESStateLAZIP70615

SERVICE DETAILS: (check one response for items 1 through 3):

1. *New customer or Increased load w/Acct# or Existing Building Turn-On

2. Requesting: Overhead Service Underground Service

3. Has point of service (metering location) been approved by ENTERGY? Yes No

REQUESTED IN-SERVICE DATES: temporary permanent

PROPOSED BUILDING CLASSIFICATION:

SIC Code (or, check one of the following):

☐ residential office restaurant/bar retail grocery warehouse school university hospital hotel/motel

☐ mobile home nursing home misc. non-manufacturing building misc. non-manufacturing (no building) misc. manufacturing

LOAD SUMMARY:

Phase/Voltage: 1Ø-120/240 3Ø-120/240 3Ø-120/208 3 Ø-277/480 ** Other

Service Entrance Ampacity: 600

Quantity & Size of Conductors Being Run by Electrician: Qty.: 2 SETS OF 4 Size: 350 KCMIL

All-electric facility? yes no Computer equipment? yes no

	Single Ø	Three Ø	Comments
Square Footage	26492 SQ/FT.		MULTIPLE ENCLOSED BUILDINGS AND OPEN STRUCTURES
Lights	17.69 KW	KW	
Cooking	KW	KW	
Heating	11.66 KW	KW	
A/C (heat pump)	11.69 KW	135.51 KW	VRF CASSETTES, CONDENSING UNITS
Note: If more than one A/C unit please list the total load in the appropriate column and largest unit in the comment section.			
Refrigeration	2.0 KW	KW	
Water Heating	KW	18.0 KW	
Motors	38.34 KW	24.6 KW	OVERHEAD DOORS, EXHAUST FANS, AIR CURTAINS
Motors	HP	HP	
Receptacles	104.0 KW	KW	
Miscellaneous	5.2 KW	KW	
Total Connected	190.59 KW	178.11 KW	
Existing Peak Load	KW	KW	
Total Diversified	KW	KW	
Largest Motor: 7.5 HP~ 1Ø 3Ø Motor HP Code No.			
Locked Rotor Current: Amps. Motor Duty: hrs./day~ continuous intermittent			
Submitted by: CONNOR J MARTIN Title: ELECTRICAL PROJECT MANAGER			
Date: 11-26-25 Phone No.: 337-234-5710 Alt. No.: Rev. 7/28/14			

	Single Ø	Three Ø	Comments
Square Footage	46907 SQ/FT.		MULTIPLE ENCLOSED BUILDINGS AND OPEN STRUCTURES
Lights	28.72 KW	KW	
Cooking	KW	KW	
Heating	62.34 KW	KW	AIR HANDLERS, WALL HEATERS
A/C (heat pump)	35.17 KW	8.5 KW	CONDENSING UNITS
Note: If more than one A/C unit please list the total load in the appropriate column and largest unit in the comment section.			
Refrigeration	1.2 KW	KW	
Water Heating	8.5 KW	KW	
Motors	163.18 KW	31.92 KW	OVERHEAD DOORS, EX FANS, GAS UNIT HEATERS, FUEL PUMPS
Motors	HP	HP	
Receptacles	68.32 KW	KW	
Miscellaneous	3.6 KW	KW	
Total Connected	371.03 KW	40.42 KW	
Existing Peak Load	KW	KW	
Total Diversified	KW	KW	
Largest Motor: 10.0 HP~ 1Ø 3Ø Motor HP Code No.			
Locked Rotor Current: Amps. Motor Duty: hrs./day~ continuous intermittent			
Submitted by: CONNOR J MARTIN Title: ELECTRICAL PROJECT MANAGER			
Date: 11-26-25 Phone No.: 337-234-5710 Alt. No.: Rev. 7/28/14			

CONSTRUCTION DOCUMENTS

ASSOCIATED DESIGN GROUP, INC.
3909 W Congress Street, Suite 201
Lafayette, Louisiana 70506
Phone: (337) 234-5710
Email: adginc@adginc.org

Project No. 25082

Brossett Architect, LLC • 414 Pujio St., Lake Charles, LA 70601

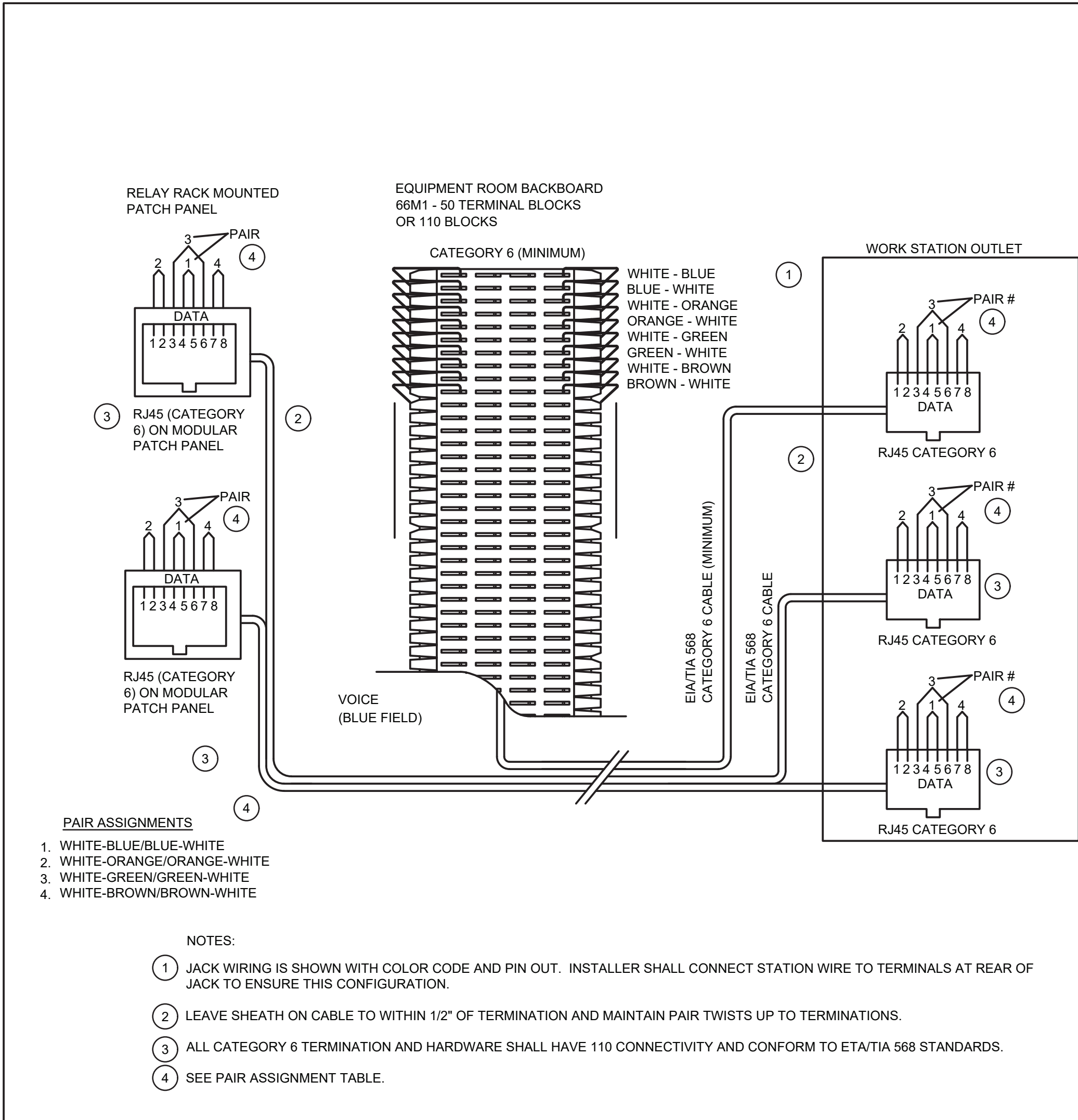
LAKE CHARLES PUBLIC WORKS
NEW FACILITY PHASE 2
4200 BROAD STREET
LAKE CHARLES, LA 70615
ELECTRICAL PANEL SCHEDULES

SHEET NO.
E5.3

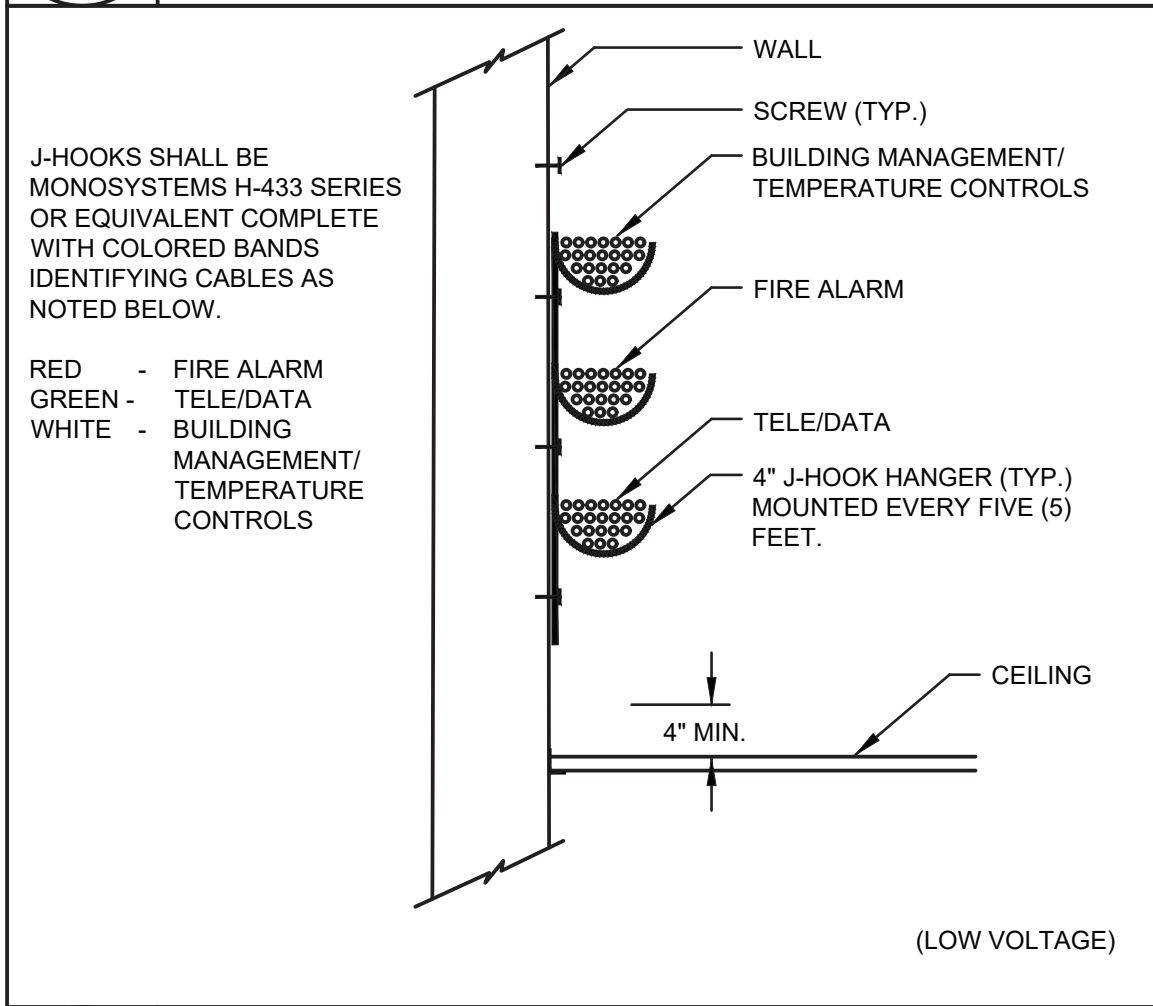
ARCH #24009 BA

VER.	DATE	DESCRIPTION
0	12/20/2025	CONSTRUCTION DOCUMENTS

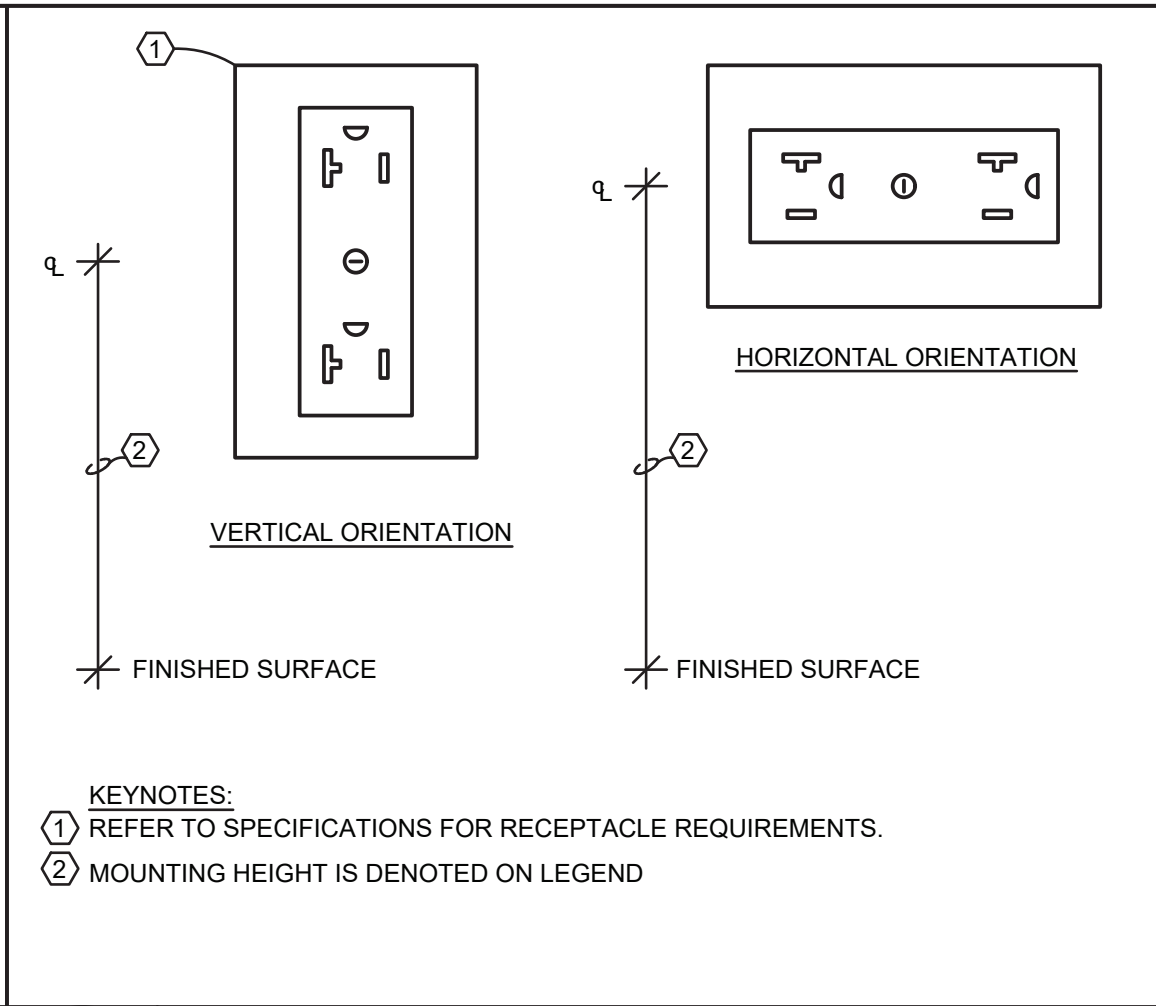
© COPYRIGHT 2025,
Brossett Architect, LLC
All Rights Reserved.
This document shall not be
copied or reproduced
without written permission.



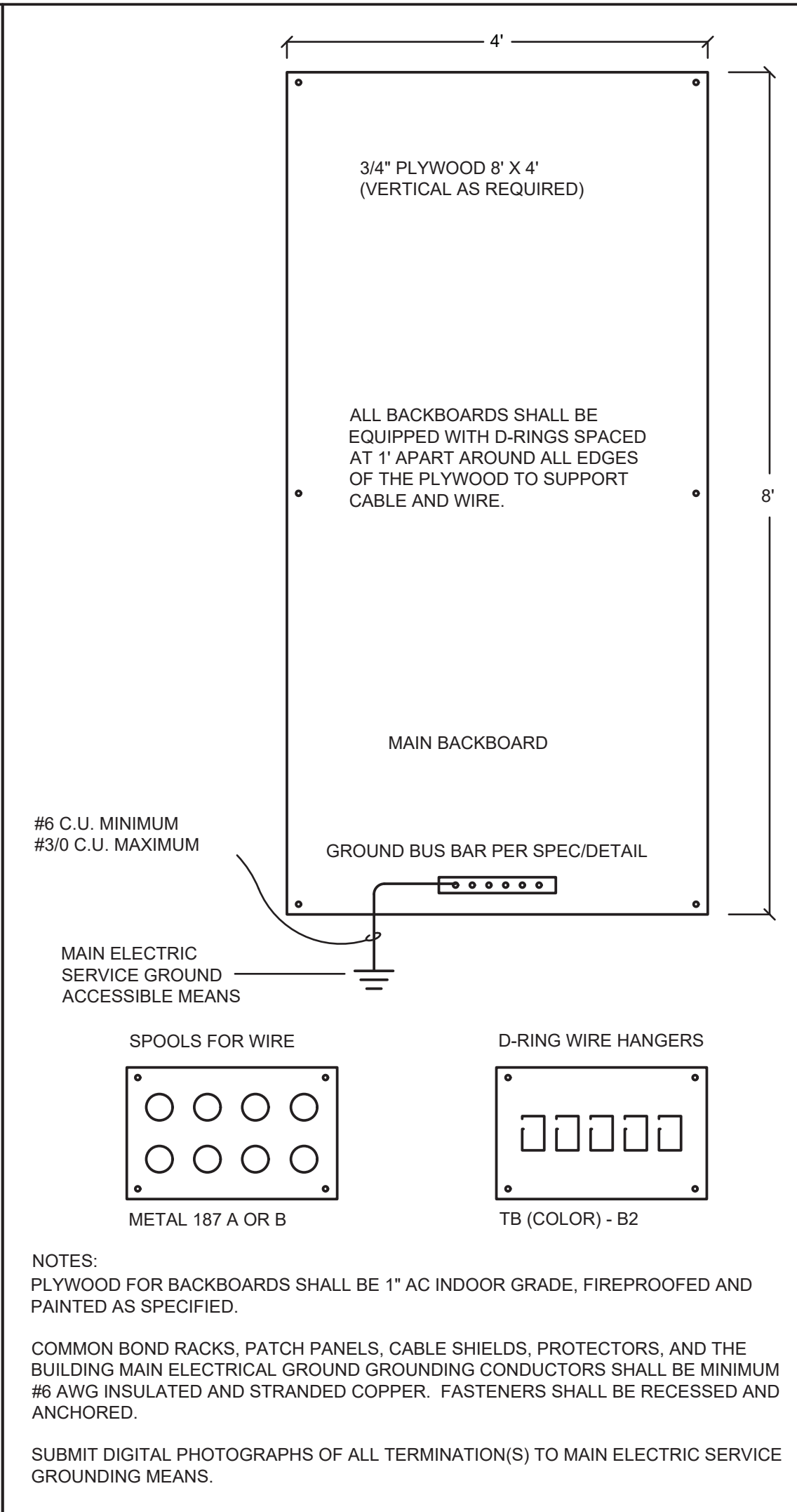
1 TEL/DATA WIRING PLAN
NO SCALE



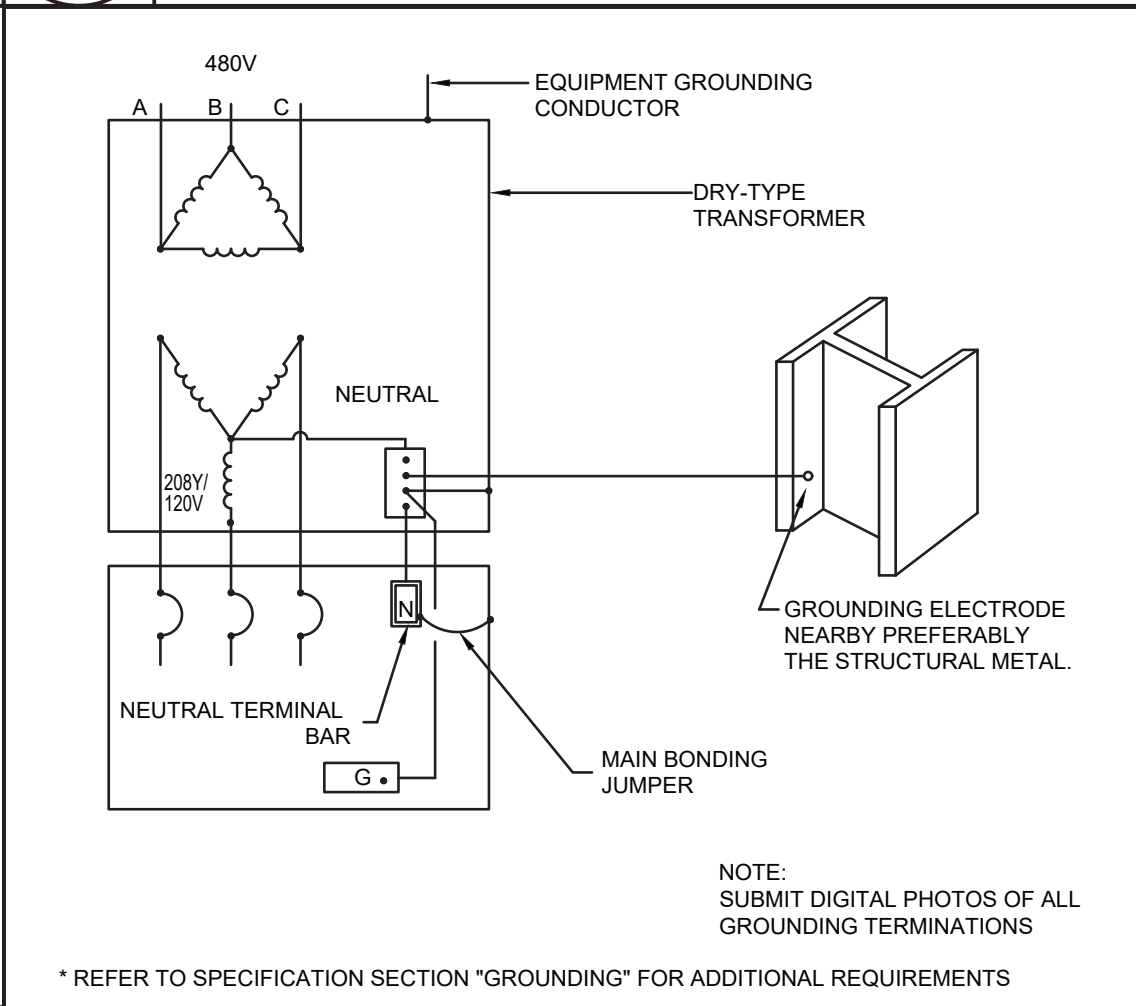
6 J-HOOK DETAIL FOR COMM. CABLES
NO SCALE



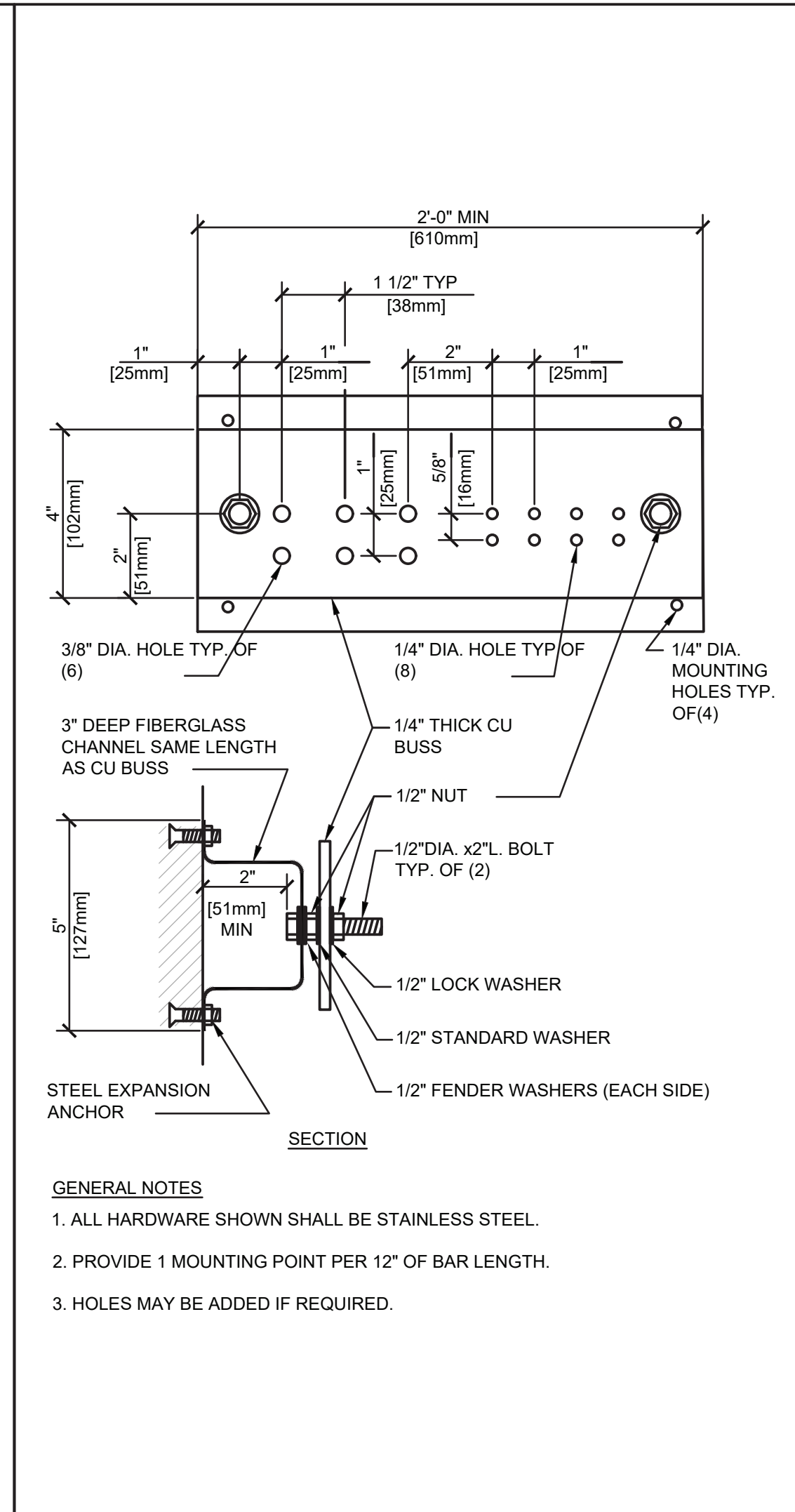
7 TYPICAL RECEPTACLE INSTALLATION REQUIREMENTS
NO SCALE



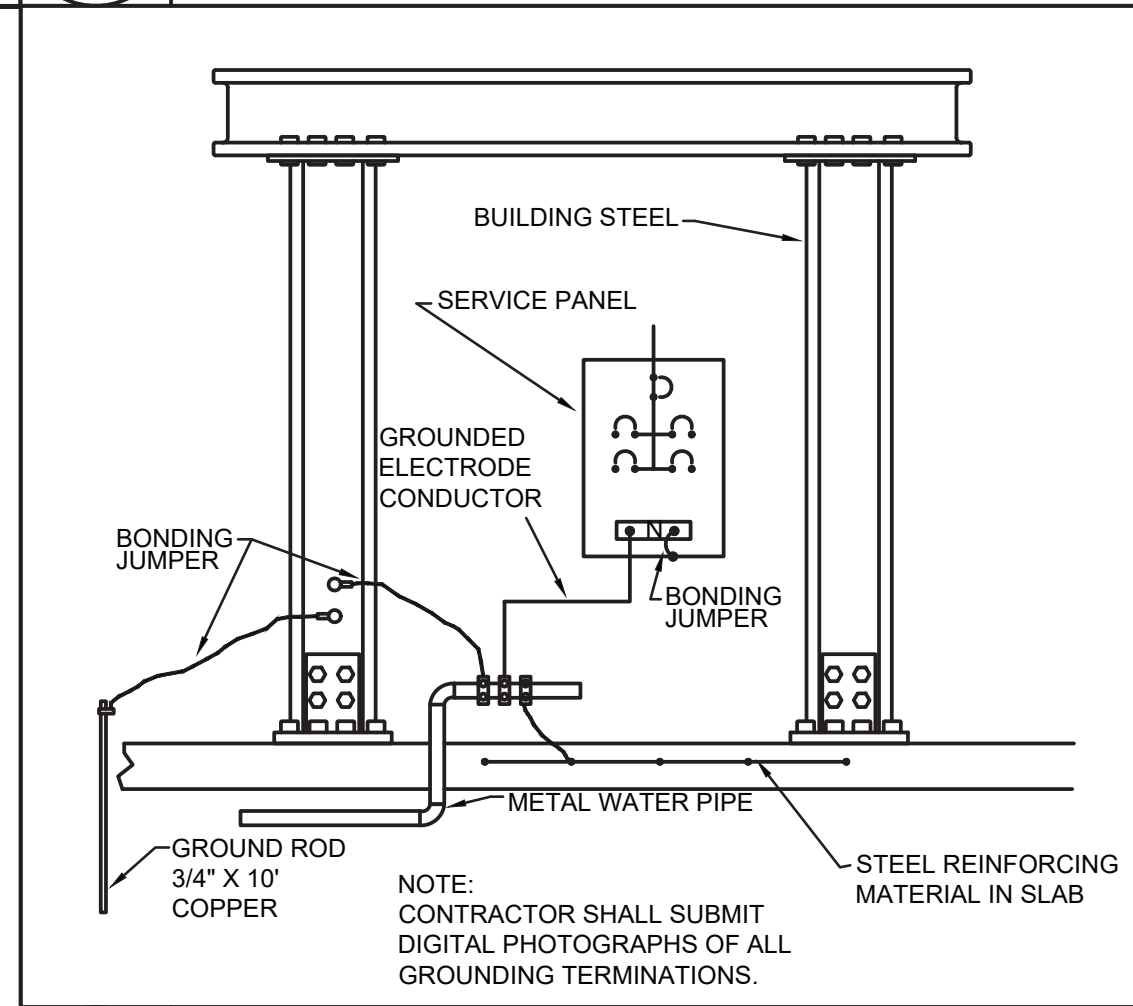
2 TELEPHONE BACKBOARD
NO SCALE



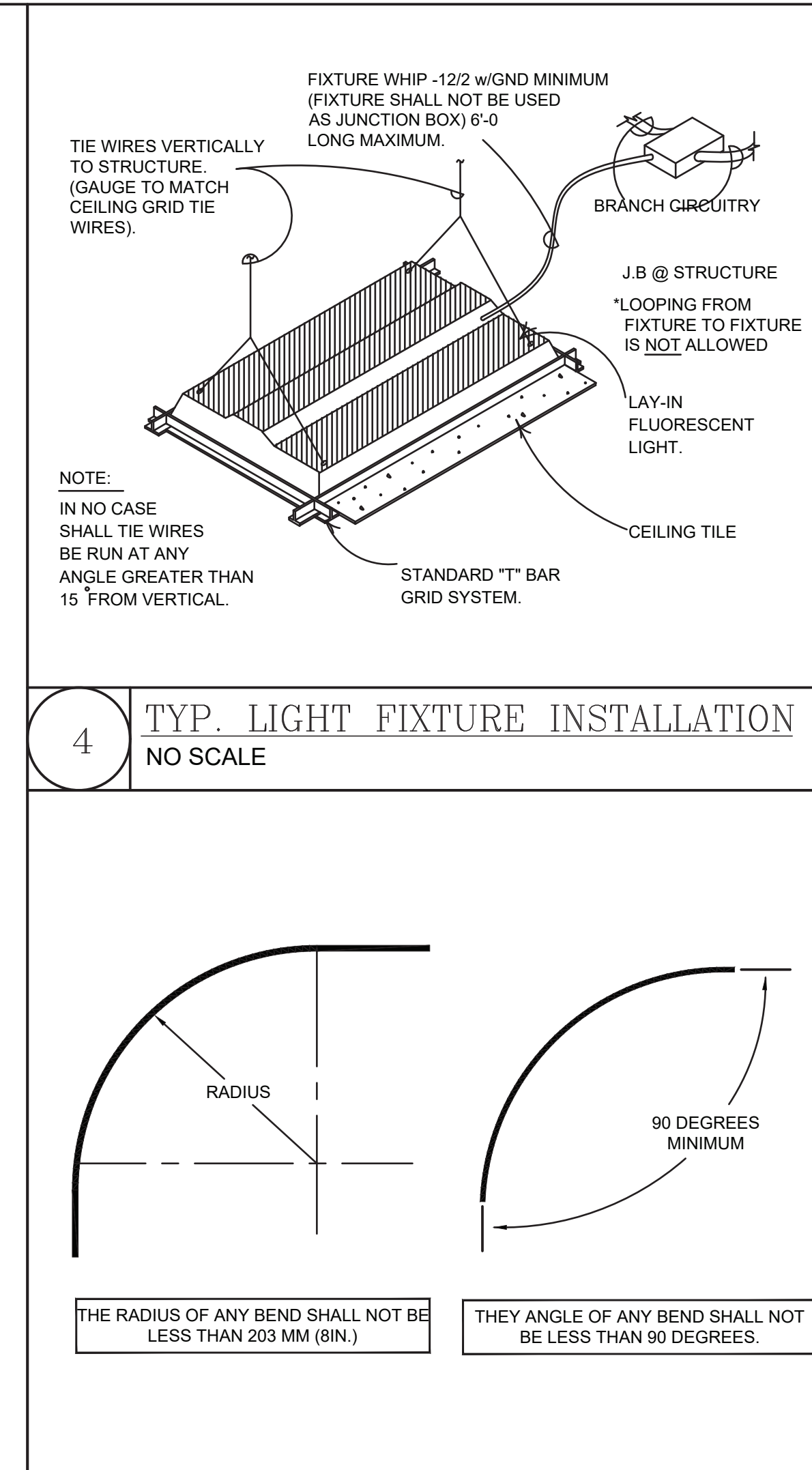
8 TRANSFORMER GROUNDING DETAIL
NO SCALE



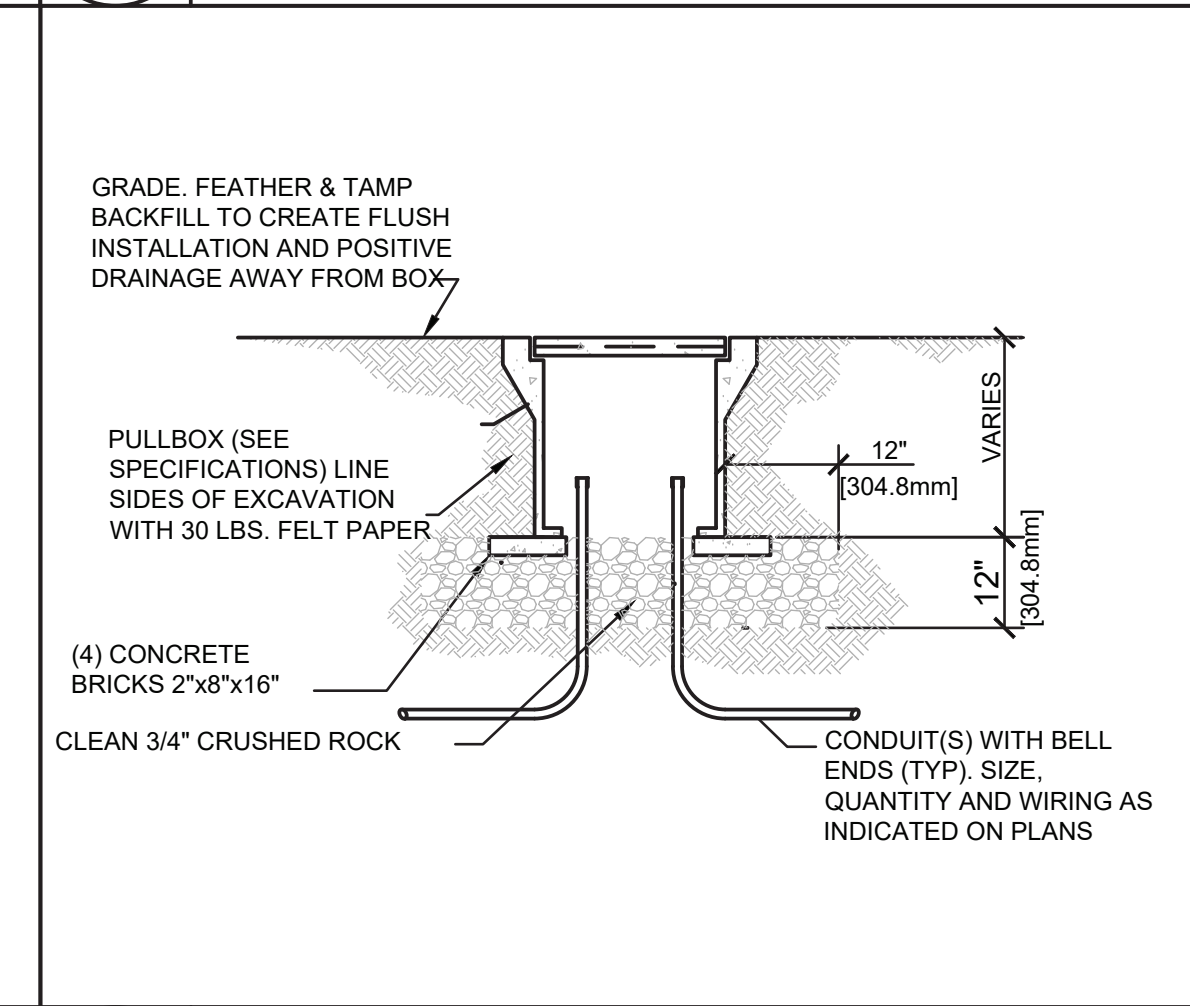
3 TELE/DATA GROUNDING BAR DETAIL
NO SCALE



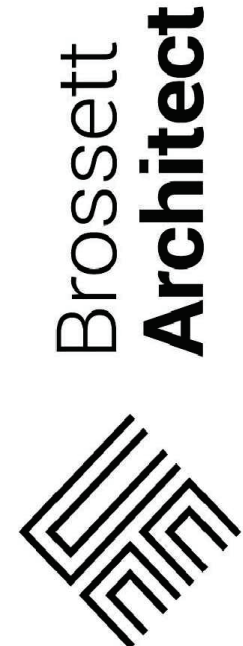
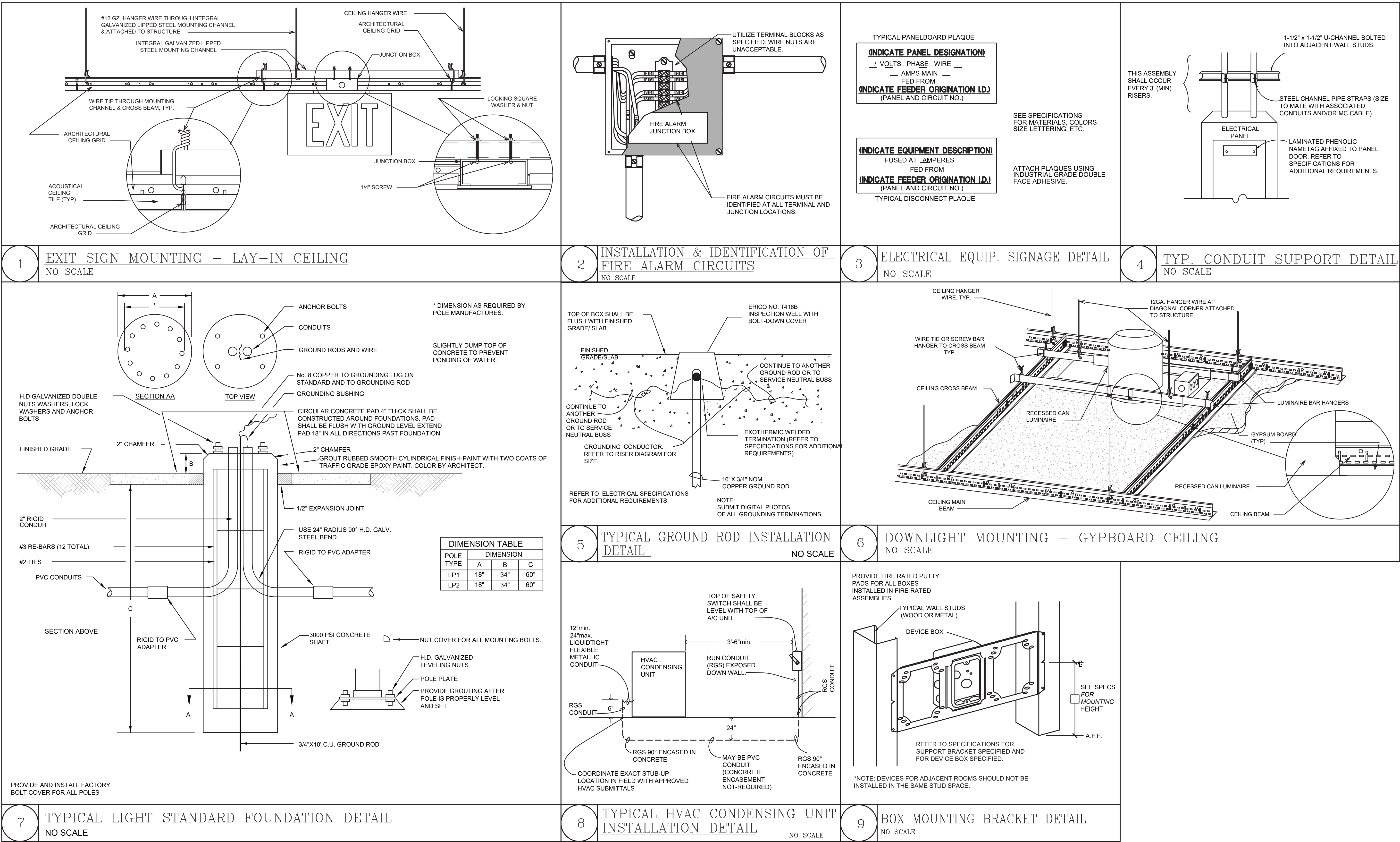
9 GROUNDING TO BLDG. STEEL DETAIL
NO SCALE



5 ACCEPTABLE GROUND CONDUCTOR BENDING
NO SCALE



10 UNDERGROUND CONCRETE PULLBOX
NO SCALE



Brossett Architect, LLC • 414 Pujo St., Lake Charles, LA 70601

LAKE CHARLES PUBLIC WORKS
NEW FACILITY PHASE 2
4200 BROAD STREET
LAKE CHARLES, LA 70615
ELECTRICAL DETAILS

SHEET NO.		E6.1		ARCH #2409 EA	
VER.	DATE	DESCRIPTION	CONSTRUCTION DOCUMENTS		
0	12/20/2025				

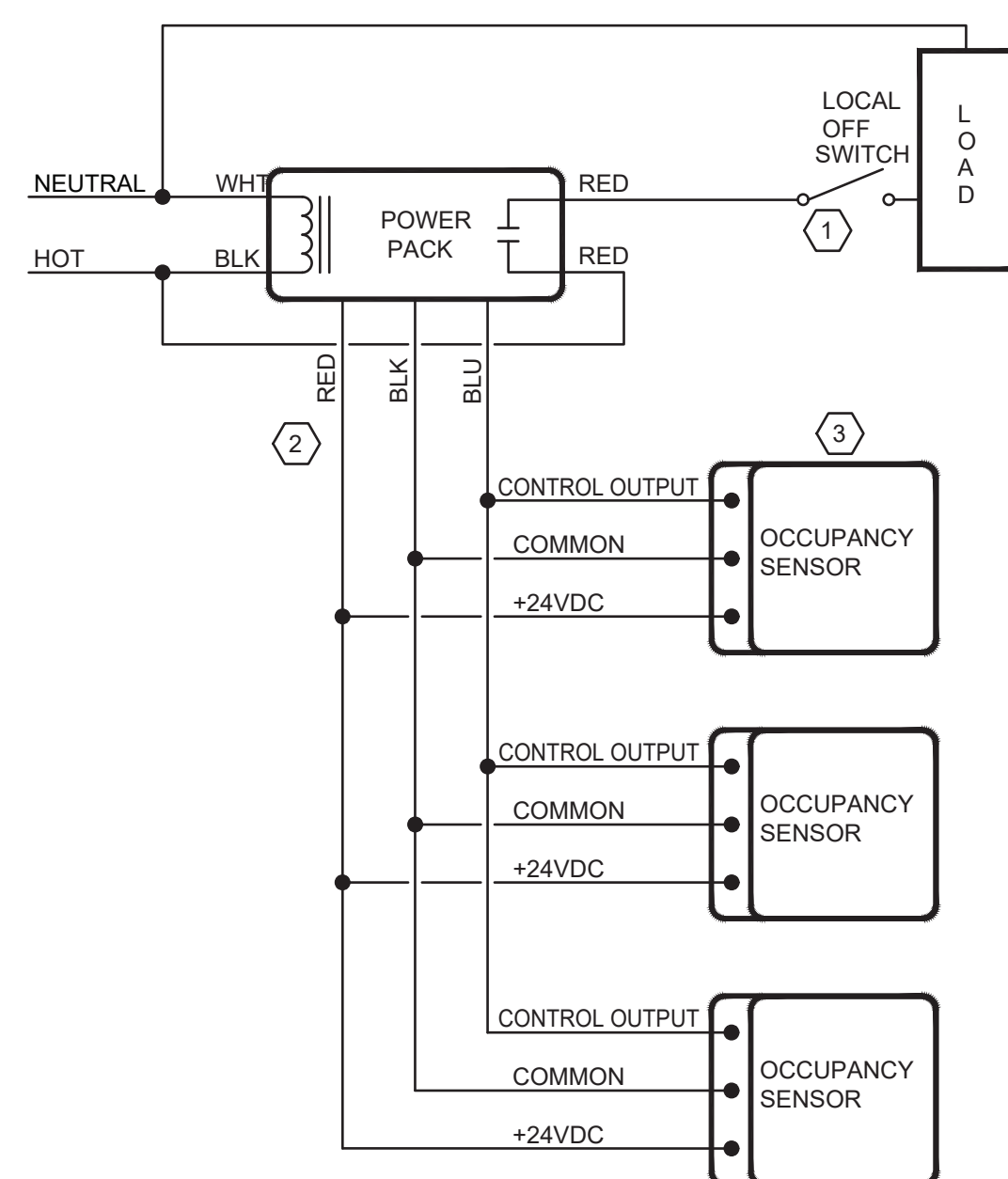
ADG
ENGINEERING

ASSOCIATED DESIGN GROUP, INC.
3909 W Congress Street, Suite 201
Lafayette, Louisiana 70506
Phone: (337) 234-5710
Email: adginc@adginc.org

Project No. 25082

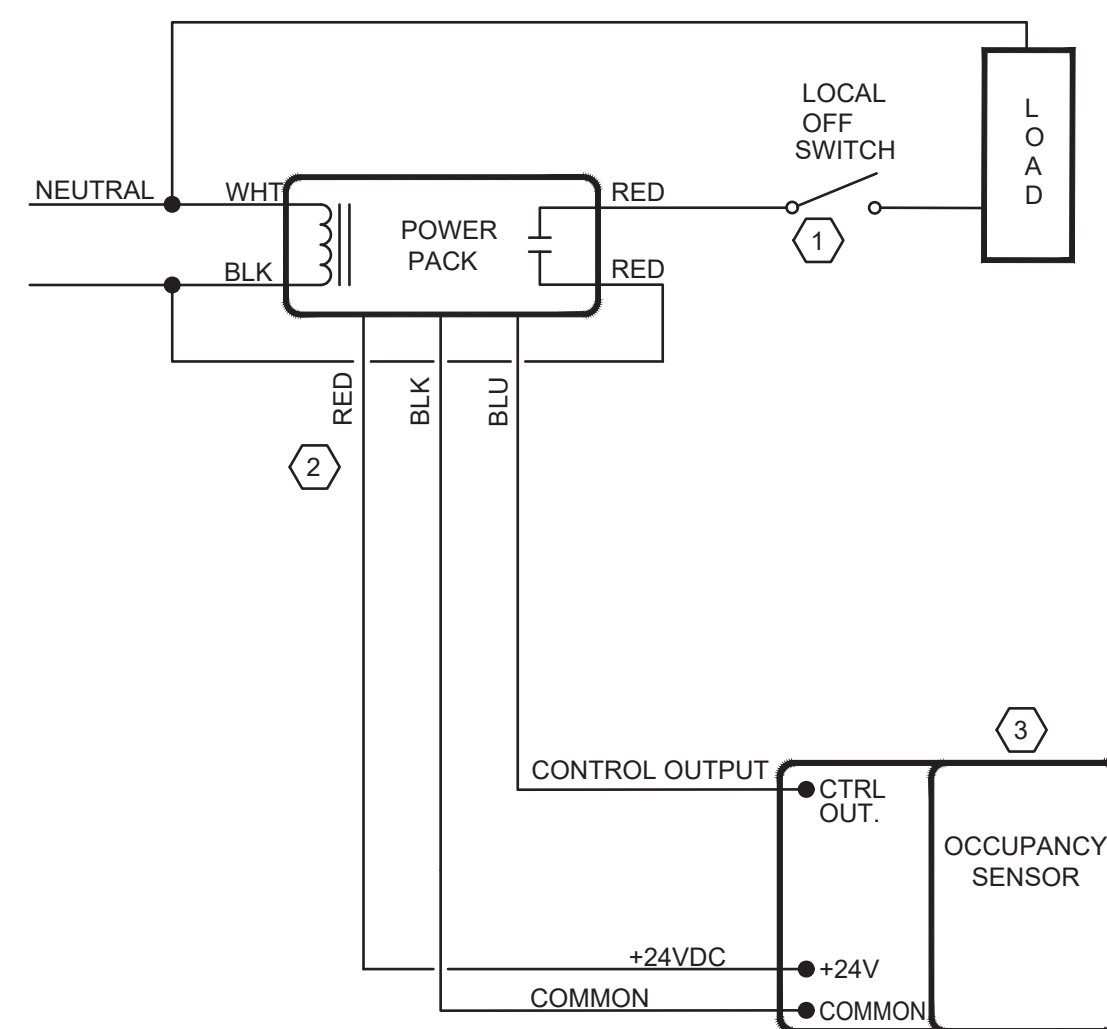
CONSTRUCTION DOCUMENTS

© COPYRIGHT 2025, Brossett Architect, LLC. All Rights Reserved. This document shall not be copied or reproduced without written permission.



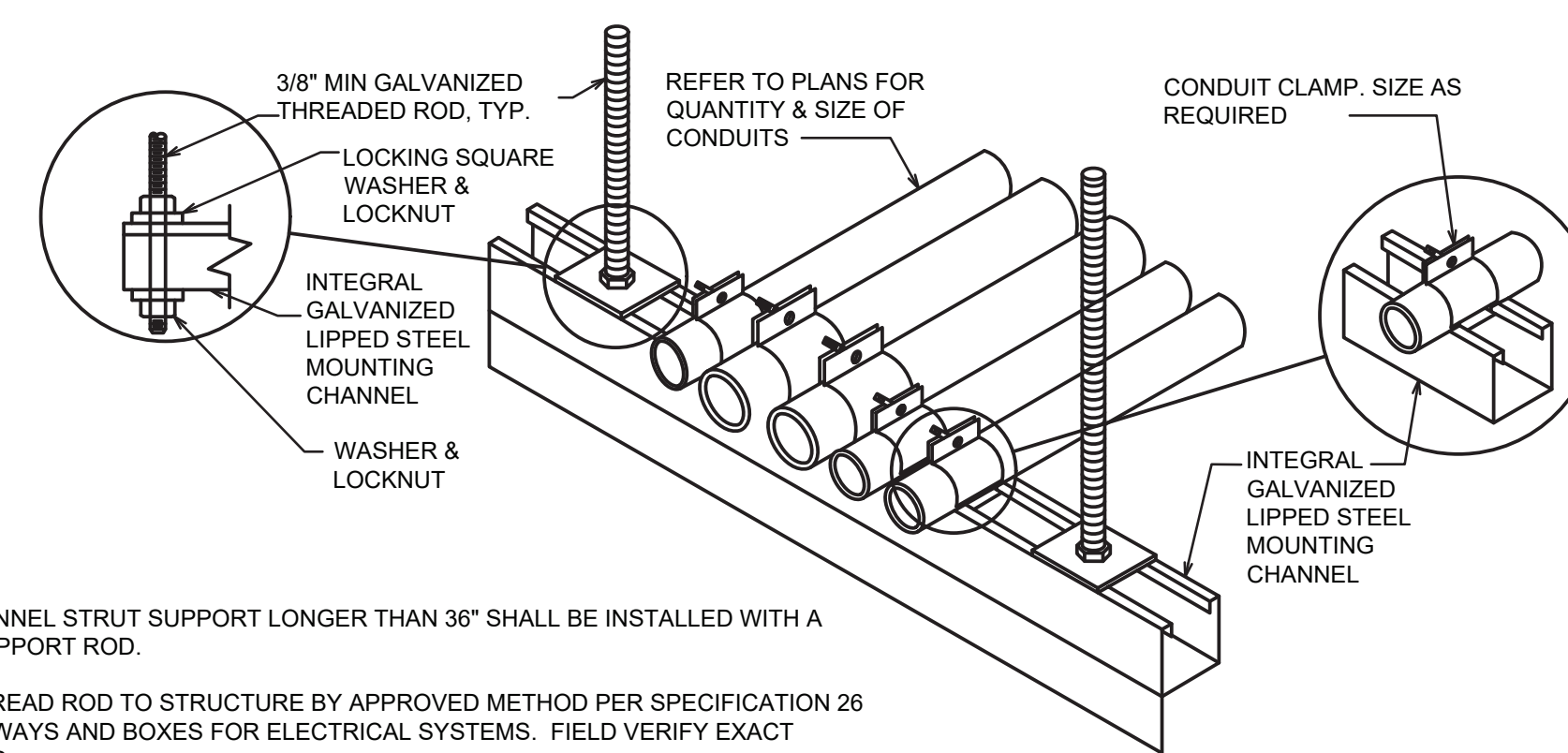
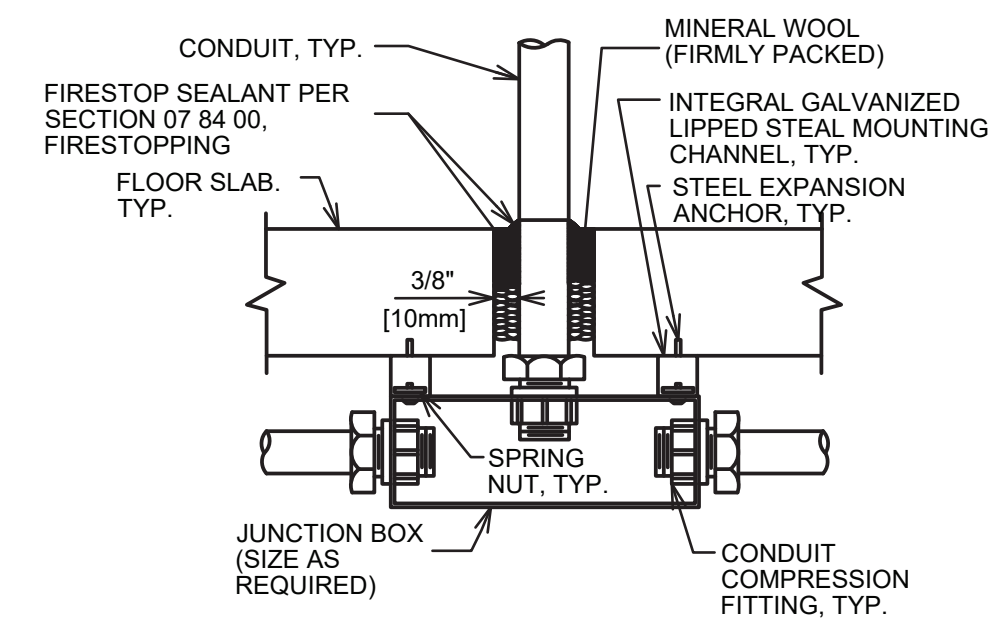
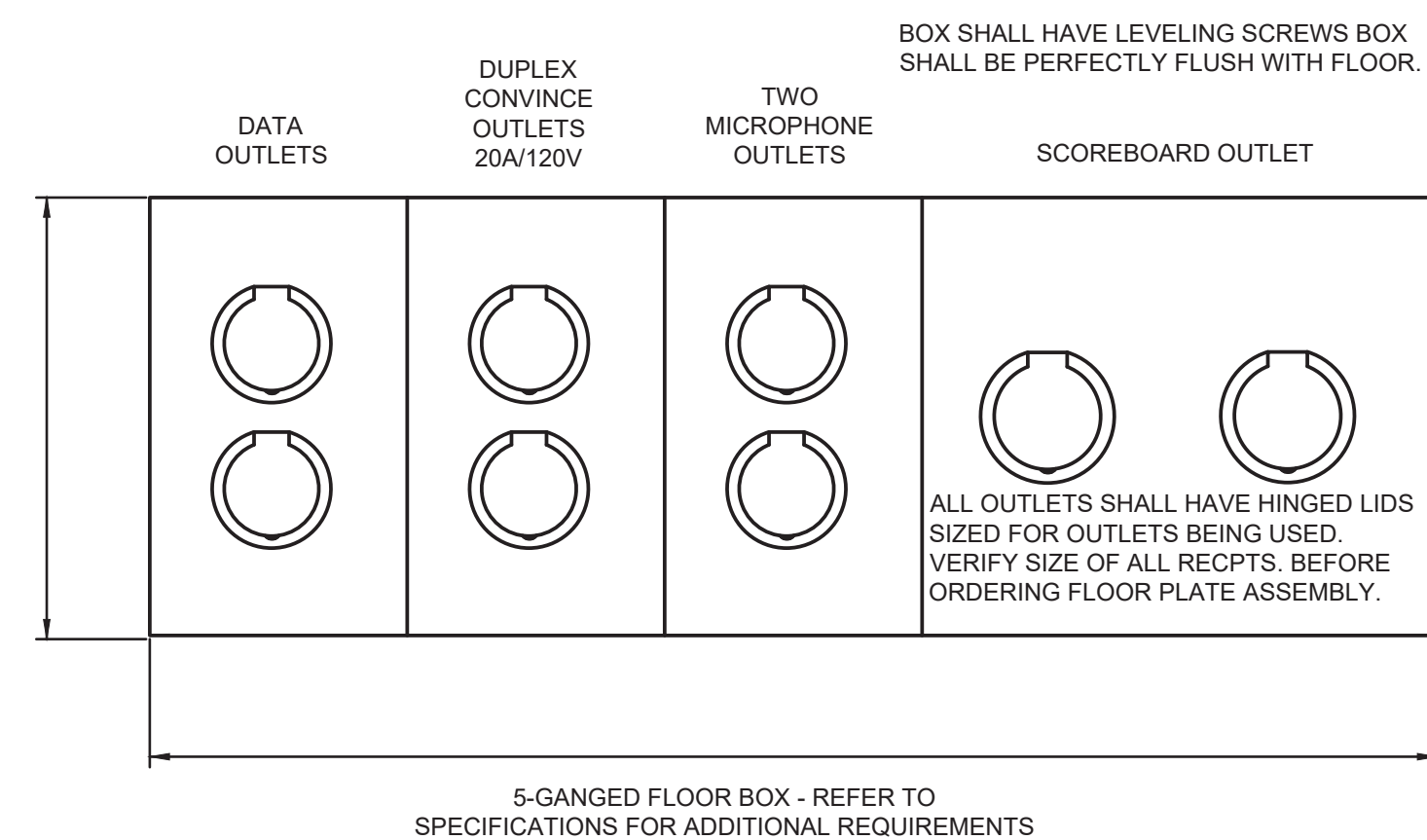
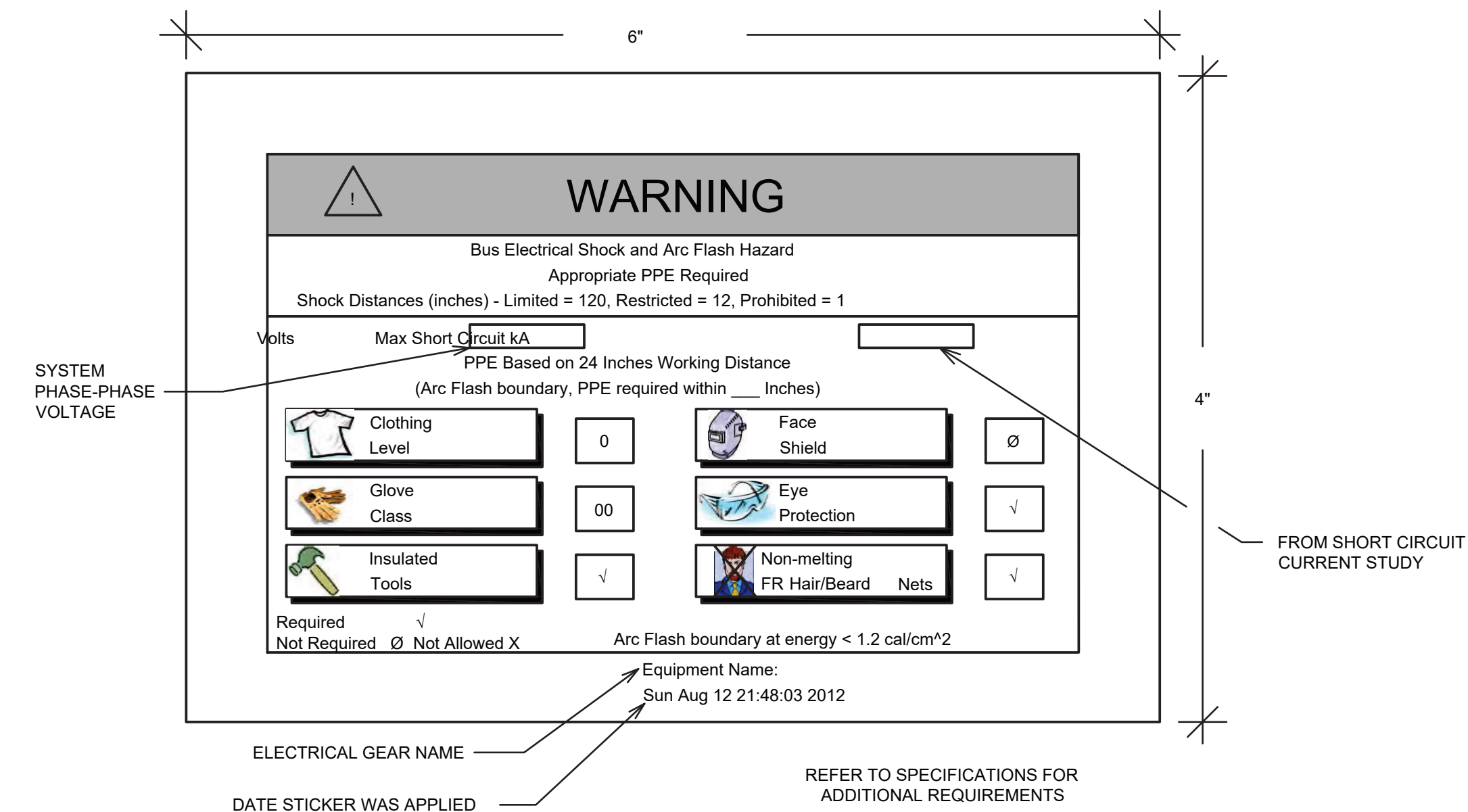
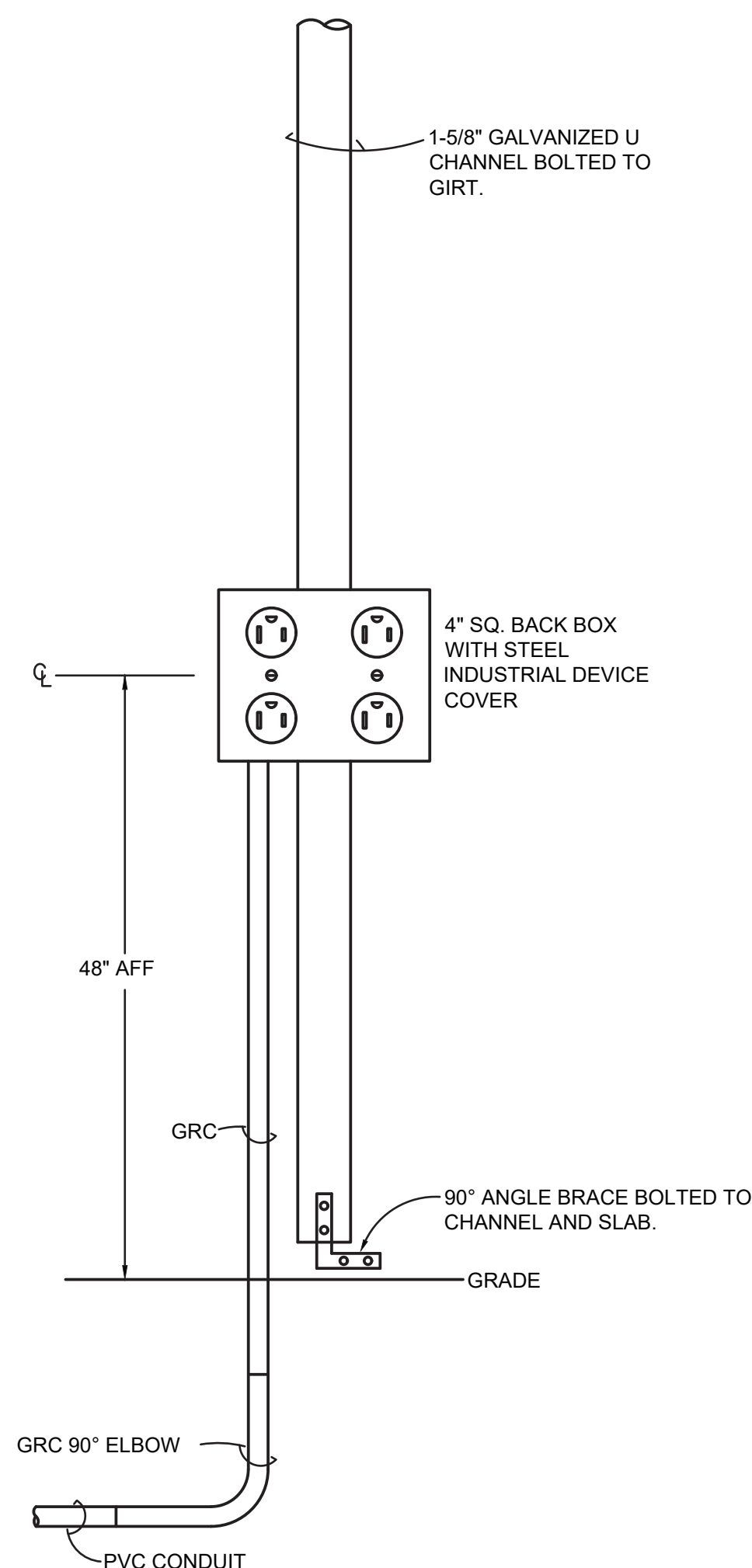
- 1 **KEYNOTES:**
PROVIDE AND INSTALL LIGHTING TOGGLE SWITCH (AS SPECIFIED) ON STRIKE SIDE OF DOOR.
- 2 COLOR DESIGNATIONS OF CONDUCTORS WILL VARY BY MANUFACTURER. CONTRACTOR SHALL OBTAIN LATEST WIRING DIAGRAMS FROM MANUFACTURERS USED. THIS WIRING DIAGRAM IS FOR DIAGRAMMATIC PURPOSES ONLY.
- 3 REFER TO SPECIFICATIONS FOR OCCUPANCY SENSOR REQUIREMENTS.

TYPICAL FOR ROOMS WITH MULTIPLE,
CEILING MOUNTED OCCUPANCY SENSOR
CONTROLLING LIGHTING LOAD.



- KEYNOTES:**
- 1 PROVIDE AND INSTALL LIGHTING TOGGLE SWITCH(AS SPECIFIED) ON STRIKE SIDE OF DOOR.
 - 2 COLOR DESIGNATIONS OF CONDUCTORS WILL VARY BY MANUFACTURER. CONTRACTOR SHALL OBTAIN LATEST WIRING DIAGRAMS FROM MANUFACTURERS USED. THIS WIRING DIAGRAM IS FOR DIAGRAMMATIC PURPOSES ONLY.
 - 3 REFER TO SPECIFICATIONS FOR OCCUPANCY SENSOR REQUIREMENTS.

TYPICAL FOR ROOMS WITH SINGLE,
CEILING MOUNTED OCCUPANCY SENSOR
CONTROLLING LIGHTING LOAD.



- NOTES:**
1. METAL CHANNEL STRUT SUPPORT LONGER THAN 36" SHALL BE INSTALLED WITH A CENTER SUPPORT ROD.
 2. FASTEN THREAD ROD TO STRUCTURE BY APPROVED METHOD PER SPECIFICATION 26 05 00 RACEWAYS AND BOXES FOR ELECTRICAL SYSTEMS. FIELD VERIFY EXACT CONDITIONS.
 3. FOR TRAPEZE INSTALLATIONS IN SEISMIC AREAS REFER TO SPECIFICATION SECTION 13 05 41, SEISMIC RESTRAINT REQUIREMENTS FOR NON-STRUCTURAL COMPONENTS.