5-26 Lenwil Elementary Cafeteria Renovation

Ouachita Parish School Board

ADDENDUM No. 2

Date October 22, 2025

Project: **Lenwil Elementary School Cafeteria Renovation**

NOTICE TO CONTRACTORS

The following does hereby become a part of the Contract Documents and all provisions of the Documents shall apply to the changes. Include related changes throughout the various drawings and all sections of the specifications, which would result from these changes.

GENERAL CONTRACTORS ARE ADVISED TO NOTIFY ALL AFFECTED SUBCONTRACTORS OF CHANGES INVOLVED IN THE FOLLOWING
ADDENDUM INASMUCH AS THIS OFFICE DOES NOT HAVE A COMPLETE
RECORD OF ALL SUBCONTRACTORS, FIGURING THIS WORK.

GENERAL:

Addendum consist of (10) Ten 8 1/2" x 11" page(s) & (14) Fourteen 24” x 36” sheets.

GENERAL NOTES:

1. Crossville Moonstruck is to be installed on the floor and Crossville Shades 2.0 is to be installed on the wall.
2. The existing cooler/freezer is to be demolished by the contractor. Quarry tile is to be installed under existing cooler/freezer.

MEP:

1. MEP addendum is attached.

ARCHITECTURAL:

1. Sheet A1.01 – Column wraps are have been added in Dining 101.
2. Sheet A1.02 – Fur down and baffle ceiling height has been revised to accommodate structural in section 5.
3. A4.01 – Spot elevations have been added. Detail 7 has been added. Details 5 and 6 have been revised.

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Mechanical/Plumbing Drawings:

1. P2.01 – PLUMBING PLAN
    a. Added a label to the double compartment (SK-K2) SINK and triple compartment (SK-K3) sink. See plumbing fixture schedule.
    b. Added 140 (F) degree water to the triple compartment sink marked “SK-K3”.
    c. See clouded area on drawings.
2. P3.01 – PLUMBING DETAILS
    a. Detail #9 – Added note to only provide 140 (F) degree water to dishwasher & triple compartment sink.
3. P5.01 – PLUMBING SCHEDULES
    a. Added sink marked “SK-K2” & “SK-K3” to plumbing fixture schedule.
4. M2.01 - MECHANICAL PLAN
    a. Added transfer grilles, transfer ductwork, and backdraft damper between Dining 101 and Kitchen 102 to drawings.

Mechanical Prior Approvals:

Coordinate electrical and control requirements with respective contractor. Any increase in size of the electrical service, wire, panels, breakers, etc. due to equipment changes shall be the responsibility of the mechanical contractor.

Item	**Manufacturer**
RTU-1	Lennox
RTU-2	Lennox
Kitchen Hood	CaptiveAire

Electrical Drawings:

1. E1.01 – ELECTRICAL SITE PLAN
    a. Refer to clouded areas for adjustments.
2. E2.01 – ELECTRICAL DEMOLITION PLAN
    a. Refer to clouded areas for adjustments.
3. E3.01 – LIGHTING PLAN
    a. Refer to clouded areas for adjustments.
4. E4.01 – POWER AND SPECIAL SYSTEMS PLAN
    a. Refer to clouded areas for adjustments.
5. E4.02 – ENLARGED ELECTRICAL KITCHEN EQUIPMENT PLAN
    a. Refer to clouded areas for adjustments.
6. E5.01 – MECHANICAL POWER PLAN
    a. Refer to clouded areas for adjustments.
7. E6.01 – ELECTRICAL DETAILS, SCHEDULES, AND RISER
    a. Refer to clouded areas for adjustments.

Electrical Specifications:

1. 26 24 13 Switchboards
    a. Include attached specification section.

Electrical Prior Approvals:

Item	Manufacturer
A2	Eralux; Day-Brite
A3	Eralux: Day-Brite
A3E	Eralux; Day-Brite
A4	Eralux; Day-Brite
D	ELCO; Lightolier
D1E	ELCO; TSE, to have emergency backup as scheduled
DE	ELCO; Lightolier
E	Lightalarms; Chloride
E1	Lightalarms (K1 on submittal); Chloride
K4	Eralux; Day-Brite, to be damp location listed as scheduled
LP4	Starfire; Finelite
LP4E	Starfire; Finelite
LP8	Starfire; Finelite
LP12	Starfire; Finelite
LP12E	Starfire; Finelite
X1	Lightalarms; Chloride
Eralux Controls	Not Approved

SECTION 26 24 13 – SWITCHBOARDS

PART 1 - GENERAL

1.1 SUMMARY

A. This Section includes service and distribution switchboards rated 600 V and less.

1.2 DEFINITIONS

A. EMI: Electromagnetic interference.

B. GFCI: Ground-fault circuit interrupter.

C. RFI: Radio-frequency interference.

D. RMS: Root mean square.

E. SPDT: Single pole, double throw.

1.3 SUBMITTALS

A. Product Data: For each type of switchboard, overcurrent protective device, ground-fault protector, accessory, and component indicated. Include dimensions and manufacturers' technical data on features, performance, electrical characteristics, ratings, and finishes.

B. Shop Drawings: For each switchboard and related equipment.

1. Dimensioned plans, elevations, sections, and details, including required clearances and service space around equipment. Show tabulations of installed devices, equipment features, and ratings. Include the following:

a. Enclosure types and details for types other than NEMA 250, Type 1.
b. Bus configuration, current, and voltage ratings.
c. Short-circuit current rating of switchboards and overcurrent protective devices.
d. Descriptive documentation of optional barriers specified for electrical insulation and isolation.
e. Metering provisions.
f. UL listing for series rating of installed devices.
g. Features, characteristics, ratings, and factory settings of individual overcurrent protective devices and auxiliary components.

2. Wiring Diagrams: Diagram power, signal, and control wiring and differentiate between manufacturer-installed and field-installed wiring.

C. Maintenance Data: For switchboards and components to include in maintenance manuals specified in Division 1. In addition to requirements specified in Division 1 Section "Contract Closeout," include the following:

1. Routine maintenance requirements for switchboards and all installed components.
2. Manufacturer's written instructions for testing and adjusting overcurrent protective devices.
3. Time-current curves, including selectable ranges for each type of overcurrent protective device.

1.4 QUALITY ASSURANCE

A. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, Article 100, by a testing agency acceptable to authorities having jurisdiction, and marked for intended use.

B. Comply with NFPA 70-2011.

C. Product Selection for Restricted Space: Drawings indicate maximum dimensions for switchboards, including clearances between switchboards, and adjacent surfaces and other items. Comply with indicated maximum dimensions.

1.5 DELIVERY, STORAGE, AND HANDLING

A. Deliver in sections of lengths that can be moved past obstructions in delivery path.

B. Store indoors in clean dry space with uniform temperature to prevent condensation. Protect from exposure to dirt, fumes, water, corrosive substances, and physical damage.

C. If stored in areas subjected to weather, cover switchboards to provide protection from weather, dirt, dust, corrosive substances, and physical damage. Remove loose packing and flammable materials from inside switchboards; install electric heating (250-W per section) to prevent condensation.

D. Handle switchboards according to manufactures requirements.

1.6 COORDINATION

A. Coordinate layout and installation of switchboards and components with other construction, including conduit, piping, equipment, and adjacent surfaces. Maintain required workspace clearances and required clearances for equipment access doors and panels.

B. If the switchboard is utilized as a Main Service Disconnect then the maximum available fault current shall be listed on the device to meet the requirements of NFPA 70:110.24. The labeling shall be engraved plastic. The maximum available fault current shall be obtained from the electrical utility for the secondary side of the utility transformer.

1.7 EXTRA MATERIALS

A. Spares: For the following:

1. Potential transformer fuses.
2. Control-power fuses.

B. Spare Indicating Lights: Six of each type installed.

PART 2 - PRODUCT

2.1 MANUFACTURERS

A. Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:

1. Eaton Corp.; Cutler-Hammer Products, Pow-R-Line C.
2. General Electric Co.; Electrical Distribution & Control Div., Spectra/AV.
3. Siemens Energy & Automation, Inc., SB 3/SB2
4. Square D Co.,QED-2, QED-S.

2.2 MANUFACTURED UNITS

A. Front-Connected, Front-Accessible Switchboard: Panel-mounted main device, panel-mounted branches, and sections rear aligned.

B. Nominal System Voltage: 480Y/277 V.

C. Main-Bus Continuous: Average indicated on schedule.

2.3 FABRICATION AND FEATURES

A. Enclosure Finish for Indoor Units: Factory-applied finish in manufacturer's standard gray finish over a rust-inhibiting primer on treated metal surface.

B. Barriers: Between adjacent switchboard sections.

C. Insulation and isolation for main and vertical buses of feeder sections.

D. Buses and Connections: Three phase, four wire, unless otherwise indicated. Include the following features:

1. Phase- and Neutral-Bus Material: Hard-drawn copper of 98 percent conductivity with feeder circuit-breaker line connections.
2. Load Terminals: Insulated, rigidly braced, silver-plated, copper runback bus extensions equipped with pressure connectors for outgoing circuit conductors. Provide load terminals for future circuit-breaker positions at full ampere rating of circuit-breaker position.
3. Ground Bus: 1/4-by-2-inch (6-by-50-mm) minimum size, drawn-temper copper of 98 percent conductivity, equipped with pressure connectors for feeder and branch-circuit ground conductors. For busway feeders, extend insulated equipment grounding cable to busway ground connection and support cable at intervals in vertical run.
4. Contact Surfaces of Buses: Silver plated.
5. Main Phase Buses, Neutral Buses, and Equipment Ground Buses: Uniform capacity for entire length of switchboard's main and distribution sections. Provide for future extensions from both ends.

6. Isolation Barrier Access Provisions: Permit checking of bus-bolt tightness.

7. Neutral Buses: 100 percent of the ampacity of the phase buses, unless otherwise indicated, equipped with pressure connectors for outgoing circuit neutral cables. Bus extensions for busway feeder neutral bus is braced.

E. Future Devices: Equip compartments with mounting brackets, supports, bus connections, and appurtenances at full rating of circuit-breaker compartment.

2.4 OVERCURRENT PROTECTIVE DEVICES

A. Molded-Case Circuit Breaker: NEMA AB 1, with interrupting capacity to meet available fault currents.

1. Thermal-Magnetic Circuit Breakers: Inverse time-current element for low-level overloads, and instantaneous magnetic trip element for short circuits. Adjustable electronic trip setting for circuit-breaker frame sizes 125 A and larger. 100% rated.

B. Molded-Case Circuit-Breaker Features and Accessories: Standard frame sizes, trip ratings, and number of poles.

1. Lugs: Mechanical style, suitable for number, size, trip ratings, and material of conductors.
2. Application Listing: Appropriate for application; Type SWD for switching fluorescent lighting loads; Type HACR for heating, air-conditioning, and refrigerating equipment.
3. Ground-Fault Protection: Integrally mounted relay and trip unit with adjustable pickup and time-delay settings, push-to-test feature, and ground-fault indicator.
4. Arc Energy Reduction: Arc energy reducing maintenance switching device with local status indicator for circuit breakers rated or adjustable to 1200A or higher to meet the requirements of NEC 240.87.

2.5 INSTRUMENTATION

A. Instrument Transformers: NEMA EI 21.1, IEEE C57.13, and the following:

1. Potential Transformers: Secondary voltage rating of 120 V and NEMA accuracy class of 0.3 with burdens of W, X, and Y.

2. Current Transformers: Ratios shall be as indicated with accuracy class and burden suitable for connected relays, meters, and instruments.
3. Control-Power Transformers: Dry type, mounted in separate compartments for units larger than 3 kV.

4. Current Transformers for Neutral and Ground-Fault Current Sensing: Connect secondaries to ground overcurrent relays to provide selective tripping of main and tie circuit breaker. Coordinate with feeder circuit-breaker ground-fault protection.

B. Multifunction Digital-Metering Monitor: Microprocessor-based unit suitable for three- or four-wire systems and with the following features:

1. Switch-selectable digital display of the following values with maximum accuracy tolerances as indicated:

a. Phase Currents, Each Phase: Plus or minus 1 percent.
b. Phase-to-Phase Voltages, Three Phase: Plus or minus 1 percent.
c. Phase-to-Neutral Voltages, Three Phase: Plus or minus 1 percent.
d. Megawatts: Plus or minus 2 percent.
e. Megavars: Plus or minus 2 percent.
f. Power Factor: Plus or minus 2 percent.
g. Frequency: Plus or minus 0.5 percent.
h. Megawatt Demand: Plus or minus 2 percent; demand interval programmable from 5 to 60 minutes.Accumulated Energy, Megawatt Hours: Plus or minus 2 percent. Accumulated values unaffected by power outages up to 72 hours.
j.

2. Mounting: Display and control unit flush or semi-flush mounted in instrument compartment door.

PART 3 - EXECUTION

3.1 PROTECTION

A. Temporary Heating: Apply temporary heat to maintain temperature according to manufacturer's written instructions.

3.2 EXAMINATION

A. Examine elements and surfaces to receive switchboards for compliance with installation tolerances and other conditions affecting performance.

1. Proceed with installation only after unsatisfactory conditions have been corrected.

3.3 INSTALLATION

A. Install switchboards and accessories according to manufactures requirements.

B. Temporary Lifting Provisions: Remove temporary lifting eyes, channels, and brackets and temporary blocking of moving parts from switchboard units and components.

C. Operating Instructions: Frame and mount the printed basic operating instructions for switchboards, including control and key interlocking sequences and emergency procedures. Fabricate frame of finished wood or metal and cover instructions with clear acrylic plastic. Mount on front of switchboards.

3.4 IDENTIFICATION

A. Identify field-installed conductors, interconnecting wiring, and components; provide warning signs as specified in Division 16 Section "Electrical Identification."

B. Switchboard Nameplates: Label each switchboard compartment with engraved metal or laminated-plastic nameplate mounted with corrosion-resistant screws.

3.5 CONNECTIONS

A. Install equipment grounding connections for switchboards with ground continuity to main electrical ground bus.

B. Tighten electrical connectors and terminals according to manufacturer's published torque-tightening values.

3.6 FIELD QUALITY CONTROL

A. Prepare for acceptance tests as follows:

1. Test insulation resistance for each switchboard bus, component, connecting supply, feeder, and control circuit.
2. Test continuity of each circuit.

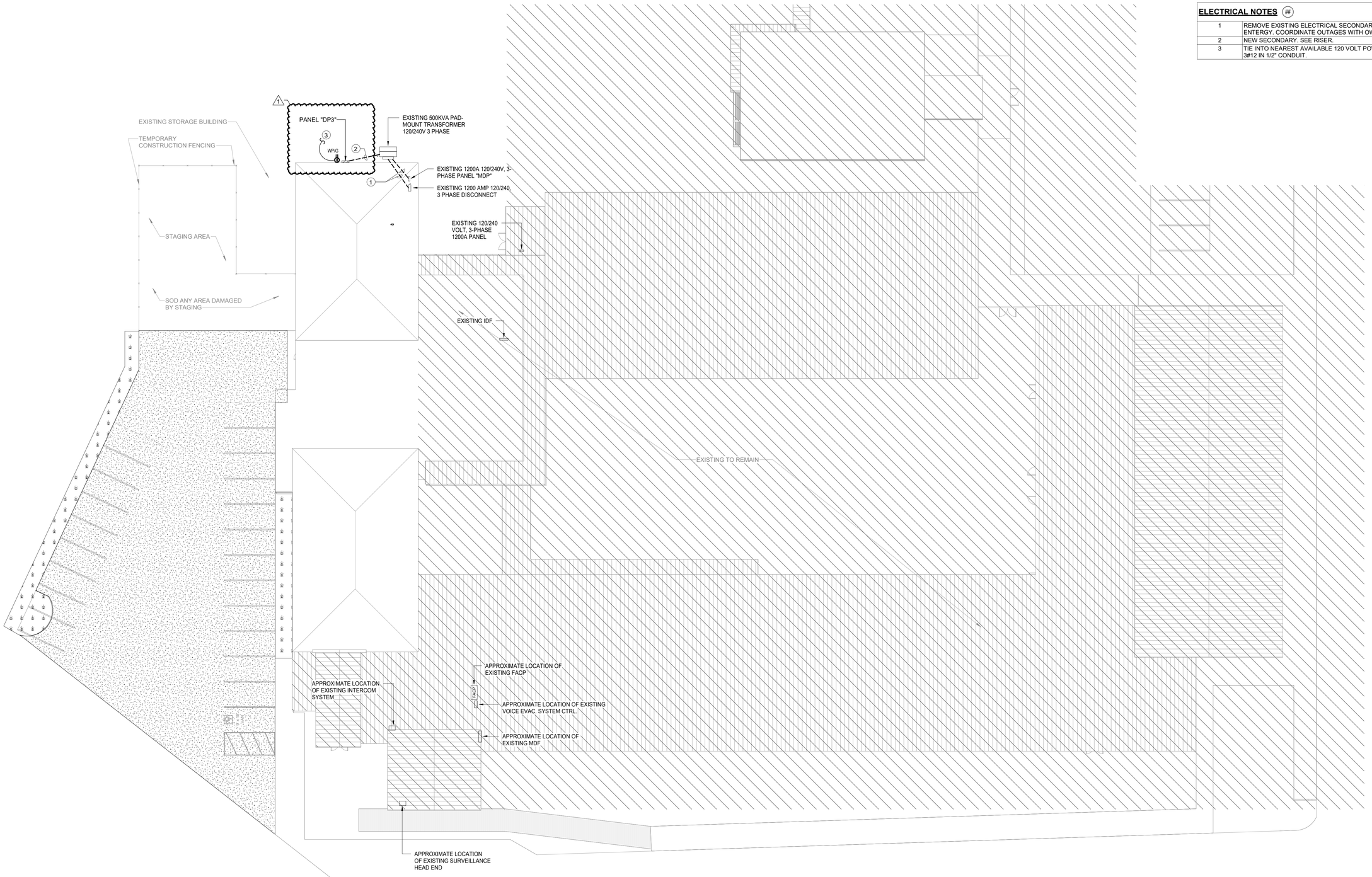
3.7 ADJUSTING

A. Set field-adjustable switches and circuit-breaker trip ranges.

3.8 CLEANING

A. On completion of installation, inspect interior and exterior of switchboards. Remove paint splatters and other spots. Vacuum dirt and debris; do not use compressed air to assist in cleaning. Repair exposed surfaces to match original finish.

END OF SECTION 26 24 13



1 ELECTRICAL SITE PLAN
1/16" = 1'-0" Refer to Architectural Drawings for All Dimensions

ELECTRICAL NOTES (##)

1	REMOVE EXISTING ELECTRICAL SECONDARY. COORDINATE WITH ENTERGY. COORDINATE OUTAGES WITH OWNER/ARCHITECT.
2	NEW SECONDARY. SEE RISER.
3	TIE INTO NEAREST AVAILABLE 120 VOLT POWER OUTLET CIRCUIT WITH 3#12 IN 1/2" CONDUIT.

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WEST MONROE, LA 71292

DRAWING REVISIONS

No.	Description	Date
1	ADD. 2	10-21-2025

DRAWN BY: KR
CHECKED BY: TK

SHEET
E1.01

Date: OCT 2025
Project No.: 21-001
File Name:

DESCRIPTION:
ELECTRICAL SITE PLAN

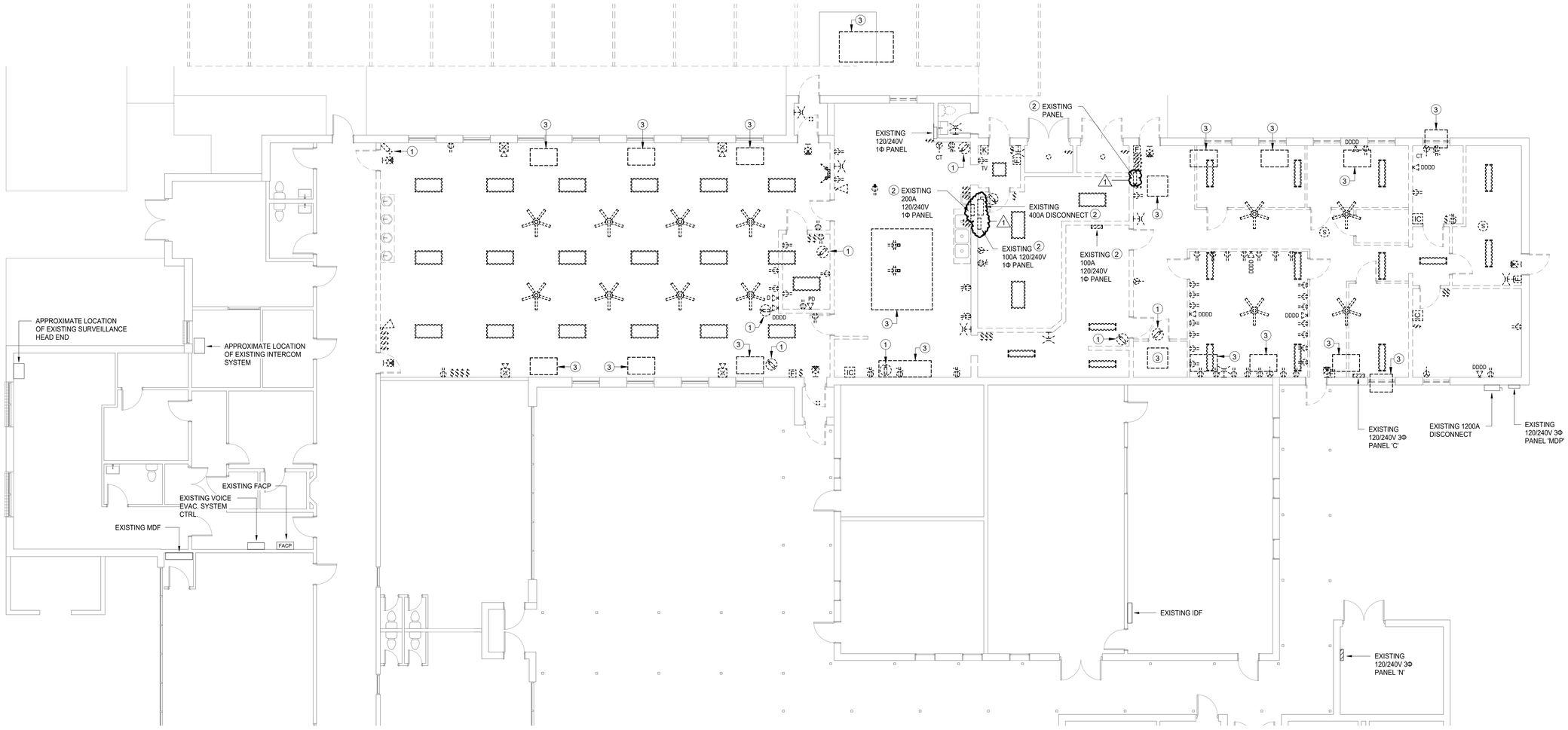
M&E CONSULTING
1304 Bertrand Dr. Suite F7, Lafayette, LA 70506
13201 Northwest Fwy. Ste 633, Houston, TX
(337)234-7474
Mechanical Contact: Gabrielle Wehner
Email: gabrielle@meconsulting.com
Electrical Contact: Terry Kirsch
Email: terry@meconsulting.com
PROJECT No.: 25067.00

GENERAL ELECTRICAL DEMOLITION NOTES:

1. EXISTING FIRE ALARM SYSTEM TO REMAIN IN OPERATION DURING COURSE OF CONSTRUCTION.
2. REMOVE ELECTRICAL ASSOCIATED WITH REFRIGERATION EQUIPMENT.

ELECTRICAL DEMOLITION NOTES (##)

1	REMOVE AS NEEDED FOR INSTALLATION OF NEW CEILING. RE-INSTALL AFTER INSTALLATION OF NEW CEILING. PROVIDE ADDITIONAL CABLING, MOUNTING HARDWARE, ETC AS NEEDED TO RESTORE COMPLETE SYSTEM. CONTRACTOR RESPONSIBLE FORE REPLACEMENT OF DAMAGED EQUIPMENT DURING COURSE OF CONSTRUCTION OF EQUAL VALUE AND PERFORMANCE. SEE POWER AND SPECIAL SYSTEMS PLAN FOR NEW LOCATION.
2	REMOVE FEEDER CIRCUIT BACK TO PLACE OF ORIGIN, CONDUIT AND WIRING ASSOCIATED WITH BRANCH CIRCUITS.
3	REMOVE CONDUIT AND WIRING BACK TO PLACE OF ORIGIN. REMOVE DISCONNECTS, STARTERS, ETC ASSOCIATED WITH MECHANICAL EQUIPMENT BEING REMOVED.



1 ELECTRICAL DEMOLITION PLAN
1/8" = 1'-0" Refer to Architectural Drawings for All Dimensions

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CHECKED BY: TK

SHEET

E2.01

Date: OCT 2025
Project No.: 21-001
File Name:

DESCRIPTION:
ELECTRICAL DEMOLITION PLAN

M&E CONSULTING
1304 Bertrand Dr. Suite F7, Lafayette, LA 70506
13201 Northwest Fwy. Ste 633, Houston, TX
(337)234-7474
Mechanical Contact: Gabrielle Wehner
Email: gabrielle@meconsulting.com
Electrical Contact: Terry Kirsch
Email: terry@meconsulting.com
PROJECT No.: 25067.00

LIGHTING FIXTURE SCHEDULE

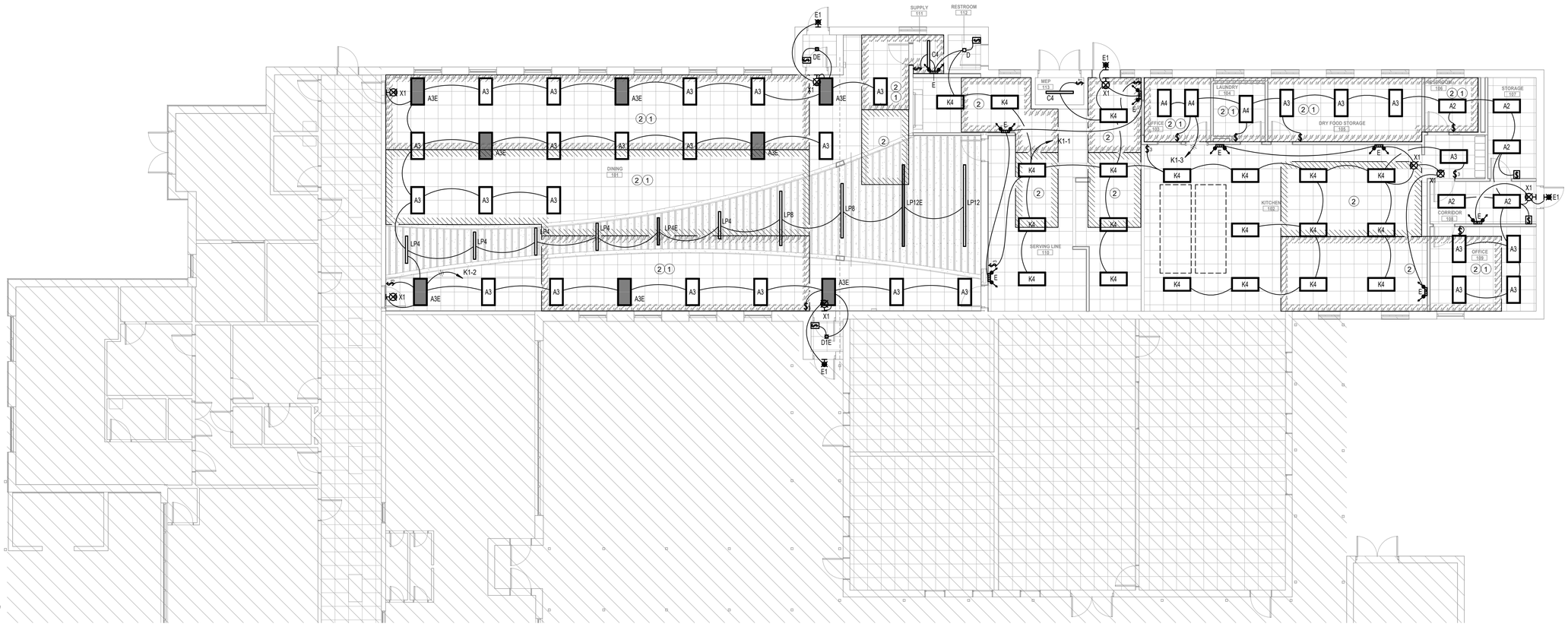
TYPE MARK	DESCRIPTION	WATTS	LAMP TYPE	VOLTS	MANUFACTURER	MODEL	COMMENTS
A2	2'X4' LED FLAT PANEL	26	LED	120	LITHONIA	CPX 2X4 AL08 80 SWW7 SWL MVOLT	LUMEN OUTPUT TO BE SET AT 4000LM.
A3	2'X4' LED FLAT PANEL	36	LED	120	LITHONIA	CPX 2X4 AL08 80 SWW7 SWL MVOLT	LUMEN OUTPUT TO BE SET AT 5000LM.
A3E	2'X4' LED FLAT PANEL W/ EMERGENCY BATTERY PACK	36	LED	120	LITHONIA	CPX 2X4 AL08 80 SWW7 SWL MVOLT E10W	LUMEN OUTPUT TO BE SET AT 5000LM.
A4	2'X4' LED FLAT PANEL	48	LED	120	LITHONIA	CPX 2X4 AL08 80 SWW6 SWL MVOLT	LUMEN OUTPUT TO BE SET AT 6000LM.
C4	4' LED STRIP LIGHT	41	LED	120	LITHONIA	Z1LD L48 5000LM FST MVOLT 35K 80CRI	
D	6" LED DOWN LIGHT	18	LED	120	LITHONIA	LDN6-35/15-LO6AR-LSS-MVOLT-GZ10	
D1E	7" SURFACE MOUNTED LED DOWN LIGHT W/ EMERGENCY BATTERY PACK	14	LED	120	JUNO	JSF 11IN 13LM SWW5 90CRI MVOLT ZT WH EM	
DE	6" LED DOWN LIGHT W/ EMERGENCY BATTERY PACK	18	LED	120	LITHONIA	LDN6-35/15-LO6AR-LSS-MVOLT-GZ10-E10WCP	
E	EMERGENCY WALL PACK	3	LED	120	LITHONIA	ELM6L UVOLT LTP SDRT	
E1	EXTERIOR EMERGENCY LIGHT W/ PHOTOCELL AND EMERGENCY BATTERY PACK	3	LED	120	LITHONIA	AFO FINISH MVOLT N SD	FINISH BY ARCHITECT.
K4	2'X4' RECESSED TROFFER	49	LED	120	LITHONIA	EPANL 2X4 6000LM 80CRI 35K	LUMEN OUTPUT TO BE SET AT 6000LM.
LP4	4' LED LINEAR PENDANT	25	LED	120	MARK ARCHITECTURAL LIGHTING	S4PD 4FT 80CRI 35K 800LMF CLL MVOLT FINISH	FINISH BY ARCHITECT. PROVIDE MOUNTING ACCESSORIES AS NEEDED.
LP4E	4' LED LINEAR PENDANT W/ EMERGENCY BATTERY PACK	25	LED	120	MARK ARCHITECTURAL LIGHTING	S4PD 4FT 80CRI 35K 800LMF CLL MVOLT FINISH E10WLCP	FINISH BY ARCHITECT. PROVIDE MOUNTING ACCESSORIES AS NEEDED.
LP8	8' LED LINEAR PENDANT	51	LED	120	MARK ARCHITECTURAL LIGHTING	S4PD 8FT 80CRI 35K 800LMF CLL MVOLT FINISH	FINISH BY ARCHITECT. PROVIDE MOUNTING ACCESSORIES AS NEEDED.
LP12	12' LED LINEAR PENDANT	76	LED	120	MARK ARCHITECTURAL LIGHTING	S4PD 12FT 80CRI 35K 800LMF CLL MVOLT FINISH	FINISH BY ARCHITECT. PROVIDE MOUNTING ACCESSORIES AS NEEDED.
LP12E	12' LED LINEAR PENDANT W/ EMERGENCY BATTERY PACK	76	LED	120	MARK ARCHITECTURAL LIGHTING	S4PD 12FT 80CRI 35K 800LMF CLL MVOLT FINISH E10WLCP	FINISH BY ARCHITECT. PROVIDE MOUNTING ACCESSORIES AS NEEDED.
X1	SINGLE FACE EXIT LIGHT	3	LED	120	LITHONIA	LE S W 1 R EL N SD	UNIVERSAL MOUNTING.

LIGHTING ZONE(S) LEGEND (THIS SHEET):

- PRIMARY SIDELIT DAYLIGHT ZONE
- SECONDARY SIDELIT DAYLIGHT ZONE

LIGHTING NOTES (##)

1	THIS SPACE TO BE CONTROLLED BY CEILING MOUNTED VACANCY SENSOR - MANUAL ON, AUTOMATIC OFF WITH LOW VOLTAGE OVERRIDE SWITCH. PLACEMENT, QUANTITY AND TYPE TO BE DETERMINED BY MANUFACTURER. REFER TO ELECTRICAL SPECIFICATION 26 09 23.
2	GENERAL LIGHTING IN THIS SPACE TO BE PROVIDED WITH DAYLIGHT RESPONSIVE CONTROLS COMPLYING WITH IECC 2021, SECTION C405.2.4.1. DAYLIGHT ZONES TO BE CONTROLLED INDEPENDENTLY OF ONE ANOTHER. PLACEMENT, QUANTITY, AND TYPE OF SENSOR(S) TO BE DETERMINED BY MANUFACTURER. REFER TO ELECTRICAL SPECIFICATION 26 09 23.



1 LIGHTING PLAN
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E3.01

Date: OCT 2025
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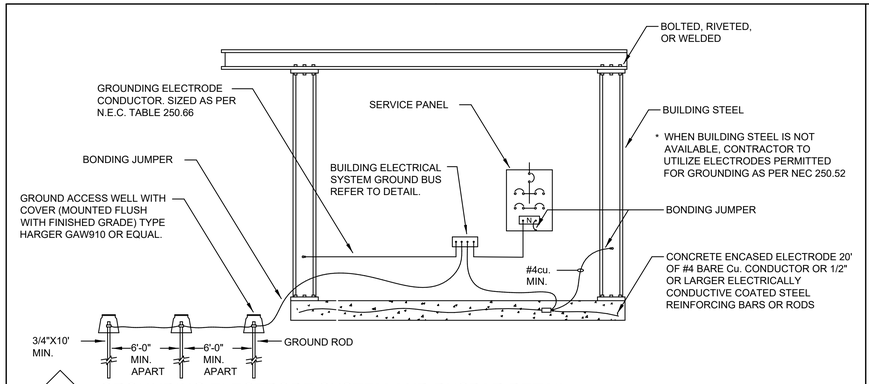
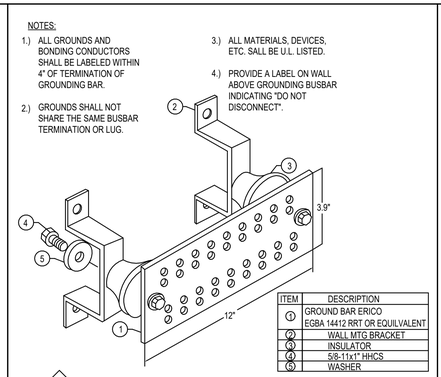
DESCRIPTION:
LIGHTING PLAN

M&E CONSULTING
1304 Bertrand Dr. Suite F7, Lafayette, LA 70506
13201 Northwest Fwy. Ste 633, Houston, TX
(337)234-7474
Mechanical Contact: Gabrielle Wehner
Email: gabrielle@meconsulting.com
Electrical Contact: Terry Kirsch
Email: terry@meconsulting.com
PROJECT No.: 25067.00



1 GROUNDING ELECTRODE SYSTEM AND BUSBAR DETAIL

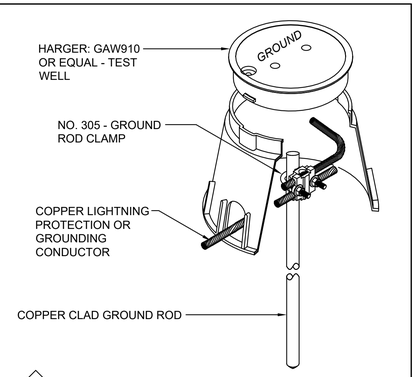
NO SCALE



ITEM	DESCRIPTION
1	GROUND BAR ERICO EGBA 14412 RRT OR EQUILVALENT
2	WALL MTG BRACKET
3	INSULATOR
4	5/8-11x1" HHCS
5	WASHER

2 BUILDING ELECTRICAL SYSTEM GROUNDING BUSBAR DETAIL

NO SCALE

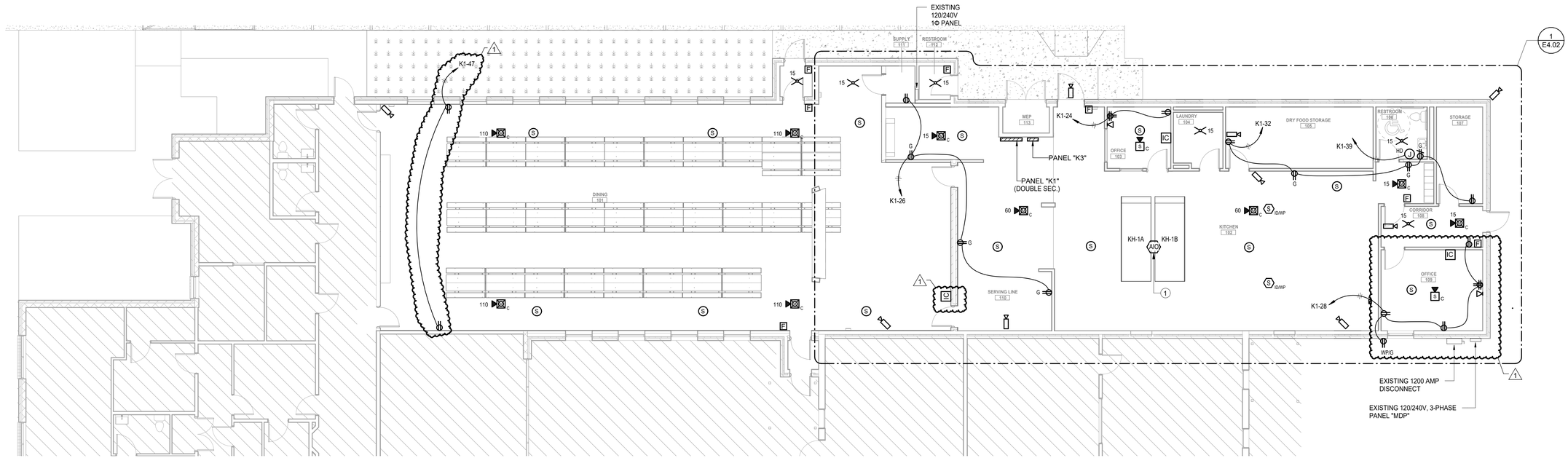


3 GROUND ACCESS WELL DETAIL

NO SCALE

ELECTRICAL NOTES (##)

1	TIE FIRE SUPPRESSION SYSTEM INTO FIRE ALARM SYSTEM.



1 POWER AND SPECIAL SYSTEMS PLAN
1/8" = 1'-0" Refer to Architectural Drawings for All Dimensions

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E4.01

Date: OCT 2025
Project No.: 21-001
File Name:

DESCRIPTION:
POWER AND SPECIAL SYSTEMS PLAN

M&E CONSULTING
1304 Bertrand Dr. Suite F7, Lafayette, LA 70506
13201 Northwest Fwy. Ste 633, Houston, TX
(337)234-7474
Mechanical Contact: Gabrielle Wehner
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Email: terry@meconsulting.com
PROJECT No.: 25067.00

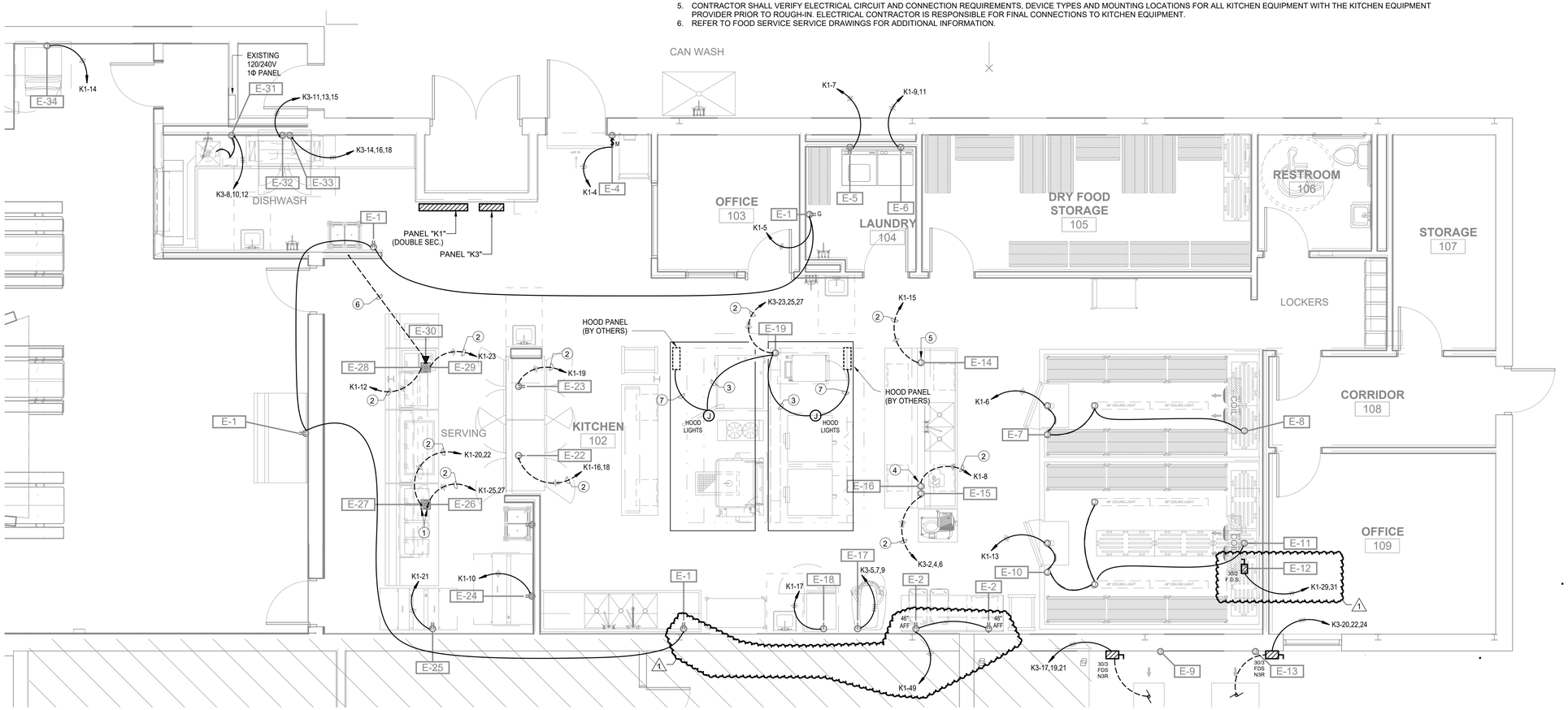
FOOD SERVICE EQUIPMENT ELECTRICAL ROUGH-IN SYMBOLS & ABBREVIATIONS	
ⓙ	JUNCTION BOX
	SINGLE RECEPTACLE
	DUPLEX RECEPTACLE
	S/S FLOOR OUTLET BOX
◀	DATA RECEPTACLE
V	VOLTS
PH	PHASE
KW	KILOWATT
MCA	MINIMUM CIRCUIT AMPACITY
CO	CONVENIENCE OUTLET
AFF	ABOVE FINISHED FLOOR
DFA	DOWN FROM ABOVE
UDS	UTILITY DISTRIBUTION SYSTEM

KITCHEN EQUIPMENT SCHEDULE

EQUIP. NO.	EQUIPMENT NAME	PANEL	CIRCUIT NO.	NOTES
E-1	Convenience Outlets	K1	5	
E-2	Convenience Outlets	K1	49	
1 E-2	Convenience Outlets	K1	49	
E-4	Door Air Curtain	K1	4	
E-5	Clothes Washer	K1	7	
E-6	Clothes Dryer	K1	9,11	
E-7 ,E-8	DFA for Lights, Door Frame Heater, Heated Pressure Relief Port, Temperator Alarm System, Evaporator Coil and Refrigerant/Liquid Line Shut-Off Valve of Walk-In Cooler Room.	K1	6	
E-9	Walk-In Cooler Condensing Unit	K3	17,19,21	
E-10, E-11	DFA for Lights, Door Frame Heater, Heated Pressure Relief Port, Temperator Alarm System, and Condensate Line Heater of Walk-In Freezer Room.	K1	13	
E-12	Evaporator Coil and Refrigerant/Liquid Line Shut-Off Valve Walk-In Freezer Room.	K1	29,31	
E-13	Walk-in Freezer (Condensing Unit)	K3	20,22,24	
E-14	Two (2) Convenience Receptacles	K1	15	
E-15	Food Processor	K3	2,4,6	
E-16	Slicer	K1	8	
E-17	60-Quart Mixer	K3	5,7,9	
E-18	Mobile Proof Cabinet	K1	17	
E-19	Utility Distribution System	K3	23,25,27	
E-22	Pass-Thru Warmer	K1	16,18	
E-23	Pass-Thru Refrigerator	K1	19	
E-24	Milk Cooler	K1	10	
E-25	Milk Cooler	K1	21	
E-26	Food Wells and Pre-Wired Heat Lamps W/LED Lights of Mobile Hot Food Counter	K1	25,27	
E-27	Hot/Cold Food Shelf and Pre-Wired Heat Lamps W/LED Lights of Mobile Hot/Cold Food Counter	K1	20,22	
E-28	Pre-Wired Lights and Drop-In Ice Cream Freezer or Mobile Flat Top Counter	K1	12	
E-29	Mobile Cashier Counter	K1	23	
E-31	Disposer	K3	8,10,12	
E-32	Diswasher (Motors & Tank Heat)	K3	11,13,15	
E-33	Dishwasher (Controls & Internal Booster Heater)	K3	14,16,18	
E-35	Ice Machine	K1	14	

KITCHEN ELECTRICAL GENERAL NOTES:

1. PROVIDE GFCI PROTECTION REQUIRED FOR 125V THROUGH 250V RECEPTACLES SUPPLIED BY SINGLE PHASE BRANCH CIRCUITS 50A OR LESS OR 3-PHASE BRANCH CIRCUITS 100A OR LESS PER N.E.C. IN KITCHEN SPACE.
2. VERIFY CIRCUIT SIZES AND OUTLET/DEVICE TYPES WITH EQUIPMENT PROVIDER PRIOR TO SHOP DRAWING PHASE OF PROJECT.
3. VERIFY LOCATION OF ELECTRICAL DEVICES WITH EQUIPMENT SUPPLIER/OWNER/ARCHITECT PRIOR TO INSTALLATION.
4. SEE MECHANICAL POWER PLAN FOR ADDITIONAL INFORMATION.
5. CONTRACTOR SHALL VERIFY ELECTRICAL CIRCUIT AND CONNECTION REQUIREMENTS, DEVICE TYPES AND MOUNTING LOCATIONS FOR ALL KITCHEN EQUIPMENT WITH THE KITCHEN EQUIPMENT PROVIDER PRIOR TO ROUGH-IN. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR FINAL CONNECTIONS TO KITCHEN EQUIPMENT.
6. REFER TO FOOD SERVICE SERVICE DRAWINGS FOR ADDITIONAL INFORMATION.



1 ENLARGED ELECTRICAL FOOD SERVICE EQUIPMENT PLAN
1/4" = 1'-0" Refer to Architectural Drawings for All Dimensions

ELECTRICAL NOTES (##)

1	CONTRACTOR SHALL VERIFY VOLTAGE WITH SUCCESSFUL FOOD SERVICE PROVIDER PRIOR TO ROUGH-IN. ADJUST CIRCUITRY AS REQUIRED.
2	CUT AND PATCH AS NEEDED.
3	3#12 IN 1/2" CONDUIT TO UDS.
4	TIE INTO EQUIPMENT PROVIDER OUTLET. PROVIDE ADDITIONAL, CONDUIT, WIRING, ETC. AS NEEDED.
5	TIE INTO TWO (2) EQUIPMENT PROVIDER CONVENIENCE OUTLETS. PROVIDE ADDITIONAL CONDUIT, WIRING, ETC. AS NEEDED.
6	1" CONDUIT WITH PULLSTRING TO NEAREST WALL WITH ACCESSIBLE CEILING. STUB UP A MINIMUM OF 6" ABOVE CEILING. CUT AND PATCH AS NEEDED.
7	3/4" CONDUIT WITH CONTROL CABLING PER MANUFACTURER'S REQUIREMENTS.

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STATE OF LOUISIANA
DAVID CARROLL
REG. NO. 41691
REGISTERED PROFESSIONAL ENGINEER
Electrical ENGINEERING
10/21/2025

LENWIL ELEMENTARY SCHOOL
CAFETERIA RENOVATOIN
112 ARRANT ROAD
WEST MONROE, LA 71292

DRAWING REVISIONS

No.	Description	Date
1	ADD. 2	10-21-2025

DRAWN BY: KR
CHECKED BY: TK

SHEET
E4.02

Date: OCT 2025
Project No.: 21-001
File Name:

DESCRIPTION:
ENLARGED ELECTRICAL KITCHEN EQUIPMENT PLAN

M&E CONSULTING
1304 Bertrand Dr. Suite F7, Lafayette, LA 70506
13201 Northwest Fwy. Ste 633, Houston, TX
(337)234-7474
Mechanical Contact: Gabrielle Wehner
Email: gabrielle@meconsulting.com
Electrical Contact: Terry Kirsch
Email: terry@meconsulting.com
PROJECT No.: 25067.00

Branch Panel: K3R

Location:
Mounting: Surface
Enclosure: NEMA 3R

Volts: 120/240 DELTA
Phases: 3
Wires: 4

A.I.C. Rating: 22,000
Mains Type: M.L.O.
Mains Rating: 400 A

General Schedule Notes:

Verify proper working clearances per N.E.C. prior to installation.

Notes	#	Circuit Description	Breaker	Wire	C.	A		(Wild Leg) B		C		C.	Wire	Breaker	Circuit Description	#	Notes
1	1	RTU-1	200 A/3	3#3/0, 1#6	2"	17333	5000					1 1/4"	3#6, 1#10	60 A/3	RTU-2	2	1
--	3	--	--	--	--			17333	5000			--	--	--	--	4	--
--	5	--	--	--	--					17333	5000	--	--	--	--	6	--
	7	KEF-1A	20 A/3	3#12, 1#12	1/2"	500	500					1/2"	3#12, 1#12	20 A/3	KEF-1B	8	1
--	9	--	--	--	--			500	500			--	--	--	--	10	--
--	11	--	--	--	--					500	500	--	--	--	--	12	--
1,5	13	DOAS-1	225 A/3	3#4/0, 1#4	2 1/2"	21667	0					--	--	60 A/3	Space	14	
--	15	--	--	--	--			21667	0			--	--	--	--	16	--
--	17	--	--	--	--					21667	0	--	--	--	--	18	--
	19															20	
	21															22	
	23															24	
	25															26	
	27															28	
	29															30	
	31															32	
	33															34	
	35															36	
	37															38	
	39															40	
	41															42	

Total Load:	45 kVA	45 kVA	45 kVA
Total Amps:	375 A	375 A	375 A

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	135000 VA	100.00%	135000 VA		
				Total Conn. Load:	135 kVA
				Total Est. Demand:	135 kVA
				Total Conn.:	325 A
				Total Est. Demand:	325 A

Panel Schedule Notes: (Notes below do not necissarily appear in panel schedule)

1. VERIFY BREAKER SIZE PER EQUIPMENT MANUFACTURER'S RECOMMENDED NAME PLATE RATING PRIOR TO SHOP DRAWINGS PHASE OF PROJECT.
2. CIRCUIT VIA _ POLE LIGHTING CONTACTOR. CONTROL WITH (2) CIRCUIT INTERMATIC OR EQUAL ASTRONOMICAL TIME CLOCK WITH BATTERY BACKUP AND PHOTOCELL. PHOTOCELL "ON" TIME CLOCK "OFF".
3. PROVIDE GFCI PROTECTED CIRCUIT BREAKER.
4. CONDUIT, WIRE, AND BREAKER SIZE PER MANUFACTURER'S REQUIREMENTS.
5. PROVIDE SHUNT TRIP BREAKER TIE INTO FIRE SUPPRESSION SYSTEM.

Switchboard: DP3

Location:
Mounting: Surface
Enclosure: NEMA 3R

Volts: 120/240 DELTA
Phases: 3
Wires: 4

A.I.C. Rating: 65,000
Mains Type: M.C.B.
Mains Rating: 2000 A
NOTE 2.

General Schedule Notes:

Verify proper working clearances per N.E.C. prior to installation.

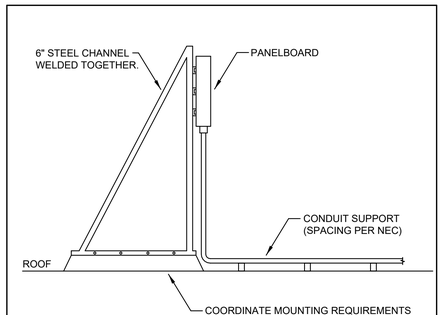
Notes	#	Circuit Description	Breaker	Sets	Wire	C.	A		(Wild Leg) B		C		C.	Wire	Sets	Breaker	Circuit Description	#	Notes
	1	Exist. Wireway	1200 A/3	3	4#500, 1#3/0	3 1/2"	112000	51246					3 1/2"	4#350, 1#4	1	300 A/3	Panel "K3"	2	
--	3	--	--	--	--	--			112000	51562			--	--	--	--	--	4	--
--	5	--	--	--	--	--					112000	30890						6	--
	7	Space	400 A/3	--	--	--	0	45000					3 1/2"	3#500, 1#3	1	400 A/3	Panel "K3R"	8	
--	9	--	--	--	--	--			0	45000			--	--	--	--	--	10	--
--	11	--	--	--	--	--					0	45000	--	--	--	--	--	12	--
4	13	SPD	100 A/3	--	--	--	0	0					--	--	--	200 A/3	Space	14	
--	15	--	--	--	--	--			0	0			--	--	--	--	--	16	--
	17										0	0	--	--	--	--	--	18	--
5	19	Existing A/C Unit	40 A/3	--	--	--	0	0					--	--	--	100 A/2	Exist. Dental Trailer	20	5
--	21	--	--	--	--	--			0	0			--	--	--	--	--	22	--
--	23	--	--	--	--	--					0	--	--	--	--	/1	Space	24	
	25	Space	/1	--	--	--	--	--					--	--	--	/1	Space	26	
	27	Space	/1	--	--	--			--	--			--	--	--	/1	Space	28	
	29	Space	/1	--	--	--					--	--	--	--	--	/1	Space	30	
	31																	32	
	33																	34	
	35																	36	
	37																	38	
	39																	40	
	41																	42	

Total Load:	208 kVA	209 kVA	188 kVA
Total Amps:	1735 A	1738 A	1566 A

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Existing Load	336000 VA	125.00%	420000 VA		
HVAC	135675 VA	100.00%	135675 VA	**Total Conn. Load:**	605 kVA
Kitchen Equipment - Non-Dwelling Unit	125242 VA	65.00%	81407 VA	**Total Est. Demand:**	646 kVA
Lighting	3291 VA	125.00%	4114 VA	**Total Conn.:**	1455 A
Receptacles	4640 VA	100.00%	4640 VA	**Total Est. Demand:**	1553 A

Panel Schedule Notes: (Notes below do not necissarily appear in panel schedule)

1. VERIFY BREAKER SIZE PER EQUIPMENT MANUFACTURER'S RECOMMENDED NAME PLATE RATING PRIOR TO SHOP DRAWINGS PHASE OF PROJECT.
2. PROVIDE PANEL WITH ADD'L FLASH ENERGY REDUCING MAINTENANCE SWITCHING WITH BLUE INDICATOR LIGHT PER N.E.C. 70 240.67.
3. PROVIDE GFCI PROTECTED CIRCUIT BREAKER.
4. CONDUIT, WIRE, AND BREAKER SIZE PER MANUFACTURER'S REQUIREMENTS.
5. INTERCEPT EXISTING CIRCUIT. PROVIDE ADDITIONAL CONDUIT, WIRING, ETC. AS NEEDED.



1 ROOF MOUNTED SUPPORT DETAIL
NO SCALE

ELECTRICAL NOTES (##)

1	CIRCUIT AND SWITCH WITH LIGHTS IN THIS SPACE.
2	3/4" CONTROLS CONDUIT WITH CONDUCTORS PER MANUFACTURER'S REQUIREMENTS.
3	1/2" CONDUIT WITH 3#12 TO NEAREST POWER OUTLET CIRCUIT BELOW.
4	COORDINATE LOCATION AND INSTALLATION REQUIREMENTS WITH EQUIPMENT PROVIDER PRIOR TO INSTALLATION.
5	1/2" CONDUIT WITH 3#12 TO NEAREST AVAILABLE 120 VOLT POWER OUTLET CIRCUIT.

1 MECHANICAL POWER PLAN
1/8" = 1'-0" Refer to Architectural Drawings for All Dimensions

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DRAWING REVISIONS

No.	Description	Date
1	ADD. 2	10-21-2025

DRAWN BY: KR
CHECKED BY: TK

SHEET

E5.01

Date: OCT 2025
Project No.: 21-001
File Name:

DESCRIPTION:
MECHANICAL POWER PLAN

M&E CONSULTING
1304 Bertrand Dr. Suite F7, Lafayette, LA 70506
13201 Northwest Fwy. Ste 633, Houston, TX
(337)234-7474
Mechanical Contact: Gabrielle Wehner
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Electrical Contact: Terry Kirsch
Email: terry@meconsulting.com

PROJECT No.: 25067.00

"PANEL NAME"
FED FROM
"PANEL NAME & CIRCUIT #"

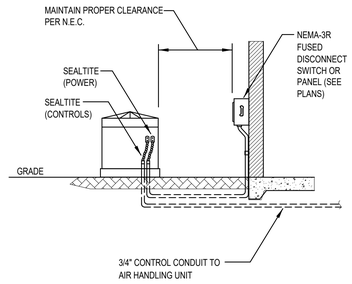
PANEL BOARD PLAQUE

"EQUIPMENT NAME"
FED FROM
"PANEL NAME & CIRCUIT #"

STAINLESS STEEL SCREWS (TYP.)

1 PANEL & EQUIPMENT SIGNAGE DETAIL

NO SCALE

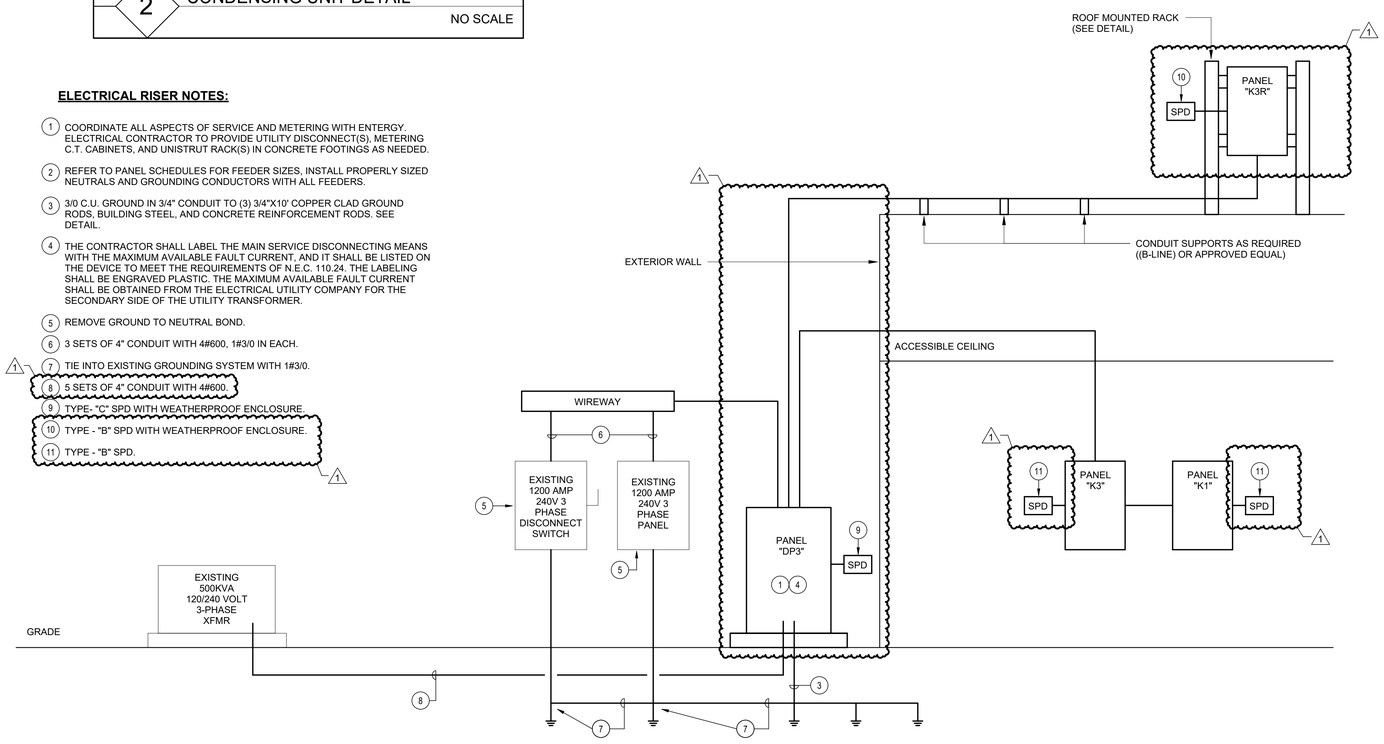


2 CONDENSING UNIT DETAIL

NO SCALE

ELECTRICAL RISER NOTES:

1. COORDINATE ALL ASPECTS OF SERVICE AND METERING WITH ENTERGY. ELECTRICAL CONTRACTOR TO PROVIDE UTILITY DISCONNECT(S), METERING C.T. CABINETS, AND UNISTRUT RACK(S) IN CONCRETE FOOTINGS AS NEEDED.
2. REFER TO PANEL SCHEDULES FOR FEEDER SIZES, INSTALL PROPERLY SIZED NEUTRALS AND GROUNDING CONDUCTORS WITH ALL FEEDERS.
3. 3/0 C.U. GROUND IN 3/4" CONDUIT TO (3) 3/4"X10' COPPER CLAD GROUND RODS, BUILDING STEEL, AND CONCRETE REINFORCEMENT RODS. SEE DETAIL.
4. THE CONTRACTOR SHALL LABEL THE MAIN SERVICE DISCONNECTING MEANS WITH THE MAXIMUM AVAILABLE FAULT CURRENT, AND IT SHALL BE LISTED ON THE DEVICE TO MEET THE REQUIREMENTS OF N.E.C. 110.24. THE LABELING SHALL BE ENGRAVED PLASTIC. THE MAXIMUM AVAILABLE FAULT CURRENT SHALL BE OBTAINED FROM THE ELECTRICAL UTILITY COMPANY FOR THE SECONDARY SIDE OF THE UTILITY TRANSFORMER.
5. REMOVE GROUND TO NEUTRAL BOND.
6. 3 SETS OF 4" CONDUIT WITH 4#600, 1#3/0 IN EACH.
7. TIE INTO EXISTING GROUNDING SYSTEM WITH 1#3/0.
8. 5 SETS OF 4" CONDUIT WITH 4#600.
9. TYPE- "C" SPD WITH WEATHERPROOF ENCLOSURE.
10. TYPE - "B" SPD WITH WEATHERPROOF ENCLOSURE.
11. TYPE - "B" SPD.



ELECTRICAL RISER

NO SCALE

Branch Panel: K3

Location: SERVING 6
Mounting: Surface
Enclosure: Type 1

Volts: 120/240 DELTA
Phases: 3
Wires: 4

A.I.C. Rating: 22,000
Mains Type: M.L.O.
Mains Rating: 300 A (1)

General Schedule Notes:

Verify proper working clearances per N.E.C. prior to installation.

Notes	#	Circuit Description	Breaker	Wire	C.	A		(Wild Leg) B		C		C.	Wire	Breaker	Circuit Description	#	Notes
	1	Panel 'K1'	225 A/2	3#4/0, 1#4	2 1/2"	20367	533					1/2"	4#12, 1#12	20 A/3	Food Processor	2	1,3
--	3	--	--	--	--			20672	533			--	--	--	--	4	--
1,3	5	60 Quart Mixer	20 A/3	3#12, 1#12	1/2"					1387	533	--	--	--	--	6	--
--	7	--	--	--	--	1387	1220					1/2"	3#12, 1#12	20 A/3	Disposer	8	1,3
--	9	--	--	--	--			1387	1220			--	--	--	--	10	--
1	11	Dishwash. (Motor)	70 A/3	3#4, 1#8	1 1/4"					6667	1220	--	--	--	--	12	--
--	13	--	--	--	--	6667	7167					1 1/4"	3#4, 1#8	70 A/3	Dishwash. (Ctrls)	14	1
--	15	--	--	--	--			6667	7167			--	--	--	--	16	--
1	17	Walk-In Cooler	20 A/3	3#12, 1#12	1/2"					1333	7167	--	--	--	--	18	--
--	19	--	--	--	--	1333	1500					1/2"	3#12, 1#12	20 A/3	Walk-In Freezer	20	1
--	21	--	--	--	--			1333	1500			--	--	--	--	22	--
1,5	23	UDS	100 A/3	3#2, 1#8	1 1/4"					11083	1500	--	--	--	--	24	--
--	25	--	--	--	--	11083	0					--	--	60 A/3	SPD	26	4
--	27	--	--	--	--			11083	0			--	--	--	--	28	--
6	29	Existing Cooler	30 A/2	--	--					0	0	--	--	--	--	30	--
--	31	--	--	--	--	0	--					--	--	/1	Space	32	
	33	Space	/1	--	--			--	--			--	--	/1	Space	34	
	35	Space	/1	--	--					--	--	--	--	/1	Space	36	
	37	Space	/1	--	--	--	--					--	--	/1	Space	38	
	39	Space	/1	--	--			--	--			--	--	/1	Space	40	
	41	Space	/1	--	--					--	--	--	--	/1	Space	42	

Total Load:	51 kVA	52 kVA	51 kVA
Total Amps:	427 A	430 A	257 A

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	675 VA	100.00%	675 VA		
Kitchen Equipment - Non-Dwelling Unit	125242 VA	65.00%	81407 VA	**Total Conn. Load:**	134 kVA
Lighting	3291 VA	125.00%	4114 VA	**Total Est. Demand:**	91 kVA
Receptacles	4640 VA	100.00%	4640 VA	**Total Conn.:**	322 A
				Total Est. Demand:	218 A

Panel Schedule Notes: (Notes below do not necissarily appear in panel schedule)

1. VERIFY BREAKER SIZE PER EQUIPMENT MANUFACTURER'S RECOMMENDED NAME PLATE RATING PRIOR TO SHOP DRAWINGS PHASE OF PROJECT.
2. CIRCUIT VIA _ POLE LIGHTING CONTACTOR. CONTROL WITH (2) CIRCUIT INTERMATIC OR EQUAL ASTRONOMICAL TIME CLOCK WITH BATTERY BACKUP AND PHOTOCELL. PHOTOCELL "ON" TIME CLOCK "OFF".
3. PROVIDE GFCI PROTECTED CIRCUIT BREAKER.
4. CONDUIT, WIRE, AND BREAKER SIZE PER MANUFACTURER'S REQUIREMENTS.
5. PROVIDE SHUNT TRIP BREAKER. TIE INTO FIRE SUPPRESSION SYSTEM.
6. INTERCEPT EXISTING CIRCUIT. PROVIDE ADDITIONAL CONDUIT, WIRING, ETC. AS NEEDED.

ELECTRICAL DETAILS AND SCHEDULES

NO SCALE

Branch Panel: K1

Location: SERVING 6
Mounting: Surface
Enclosure: Type 1

Volts: 120/240 Single
Phases: 1
Wires: 3

A.I.C. Rating: 22,000 (1)
Mains Type: M.L.O.
Mains Rating: 225 A

General Schedule Notes:

Verify proper working clearances per N.E.C. prior to installation.

Notes	#	Circuit Description	Breaker	Wire	C.	A		B		C.	Wire	Breaker	Circuit Description	#	Notes
	1	Lighting (Kitchen)	20 A/1	2#12, 1#12	1/2"	1195	1518			1"	2#8, 1#8	20 A/1	Lighting (Dining)	2	
	3	Lighting (Gen.)	20 A/1	2#12, 1#12	1/2"			579	612	1/2"	2#12, 1#12	20 A/1	Door Air Curtain (Kitchen)	4	1,3
3	5	Conv. Outlet (Kitchen)	20 A/1	2#12, 1#12	1/2"	720	768			1/2"	2#12, 1#12	20 A/1	Walk-In Cool. Rm. Equip.	6	1
1,3	7	Clothes Washer	20 A/1	2#12, 1#12	1/2"			1920	672	1/2"	2#12, 1#12	20 A/1	Slicer	8	1,3
1,3	9	Clothes Dryer	30 A/2	3#10, 1#10	3/4"	2880	324			1/2"	2#12, 1#12	20 A/1	Milk Cooler	10	1,3
--	11	--	--	--	--			2880	360	1/2"	2#12, 1#12	20 A/1	Mobile Counter	12	1,3
1	13	Walk-In Freez. Rm....	20 A/1	2#12, 1#12	1/2"	700	1380			1/2"	2#12, 1#12	20 A/1	Ice Machine (Kitchen)	14	1
	15	Conv. Receptacles	20 A/1	2#12, 1#12	1/2"			360	2000	3/4"	3#10, 1#10	30 A/2	Pass-Thru Warmer	16	1,3
1,3	17	Mob. Proof Cab.	30 A/1	2#10, 1#10	3/4"	2000	2000			--	--	--	--	18	--
1,3	19	Pass-Thru Ref.	20 A/1	2#12, 1#12	1/2"			912	1600	1/2"	3#12, 1#12	20 A/2	Food Shelf	20	1,3
1,3	21	Milk Cooler	20 A/1	2#12, 1#12	1/2"	324	1600			--	--	--	--	22	--
1,3	23	Mobile Cashier Count.	20 A/1	2#12, 1#12	1/2"			1500	540	1/2"	2#12, 1#12	20 A/1	Rec. (Office)	24	
1,3	25	Food Wells	30 A/2	3#10, 1#10	3/4"	2250	720			1/2"	2#12, 1#12	20 A/1	Rec. (Kitchen)	26	
--	27	--	--	--	--			2250	1080	1/2"	2#12, 1#12	20 A/1	Rec. (Office 109, Corr.,...	28	
1	29	Evap. Coil (Freezer)	20 A/2	2#12, 1#12	1/2"	1100	180			1/2"	2#12, 1#12	20 A/1	WH-1	30	1
--	31	--	--	--	--			1100	900	1/2"	2#12, 1#12	20 A/1	Rec. (Kitchen, Etc.)	32	
1	33	WH-2	20 A/1	2#12, 1#12	1/2"	180	180			1/2"	2#12, 1#12	20 A/1	Rec. (Hand Wash Sink)	34	3
1	35	KEF-2	20 A/1	2#12, 1#12	1/2"			375	200	1/2"	2#12, 1#12	20 A/1	CP-1	36	1
	37	Spare	20 A/1	--	--	0	100			1/2"	2#12, 1#12	20 A/1	Heat Trace Tape	38	
3	39	Hand Dryer (Rest.)	20 A/1	2#12, 1#12	1/2"			500	0	--	--	20 A/1	Existing Outlets	40	5
5	41	Existing Outlets	20 A/1	--	--	0	0			--	--	20 A/1	Existing Outlets	42	5
5	43	Existing Outlets	20 A/1	--	--			0	0	--	--	20 A/1	Existing Outlets	44	5
5	45	Existing Lighting	20 A/1	--	--	0	0			--	--	30 A/1	Existing	46	5
	47	Rec. (Dining)	20 A/1	2#12, 1#12	1/2"			360	0	--	--	30 A/1	Existing	48	5
	49	Conv. Outlet (Kitchen)	20 A/1	2#12, 1#12	1/2"	360	--			--	--	/1	Space	50	
	51	Spare	20 A/1	--	--			0	--	--	--	/1	Space	52	
	53	Spare	20 A/1	--	--	0	--			--	--	/1	Space	54	
	55	Spare	20 A/1	--	--			0	--	--	--	/1	Space	56	
	57	Spare	20 A/1	--	--	0	--			--	--	/1	Space	58	
	59	Spare	20 A/1	--	--			0	--	--	--	/1	Space	60	
	61	Spare	20 A/1	--	--	0	--			--	--	/1	Space	62	
	63	Spare	20 A/1	--	--			0	--	--	--	/1	Space	64	
	65	Spare	20 A/1	--	--	0	--			--	--	/1	Space	66	
	67	Spare	20 A/1	--	--			0	--	--	--	/1	Space	68	
	69	Spare	20 A/1	--	--	0	--			--	--	/1	Space	70	
	71	Spare	20 A/1	--	--			0	--	--	--	/1	Space	72	
	73	Spare	20 A/1	--	--	0	--			--	--	/1	Space	74	
	75	Spare	20 A/1	--	--			0	--	--	--	/1	Space	76	
	77	Spare	20 A/1	--	--	0	--			--	--	/1	Space	78	
	79	Spare	20 A/1	--	--			0	--	--	--	/1	Space	80	
	81	Spare	20 A/1	--	--	0	--			--	--	/1	Space	82	
	83	Spare	20 A/1	--	--			0	--	--	--	/1	Space	84	

Total Load:	20 kVA	21 kVA
Total Amps:	170 A	172 A

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	675 VA	100.00%	675 VA		
Kitchen Equipment - Non-Dwelling Unit	32572 VA	65.00%	21172 VA	**Total Conn. Load:**	41 kVA
Lighting	3291 VA	125.00%	4114 VA	**Total Est. Demand:**	30 kVA
Receptacles	4640 VA	100.00%	4640 VA	**Total Conn.:**	171 A
				Total Est. Demand:	127 A

Panel Schedule Notes: (Notes below do not necissarily appear in panel schedule)

1. VERIFY BREAKER SIZE PER EQUIPMENT MANUFACTURER'S RECOMMENDED NAME PLATE RATING PRIOR TO SHOP DRAWINGS PHASE OF PROJECT.
2. CIRCUIT VIA _ POLE LIGHTING CONTACTOR. CONTROL WITH (2) CIRCUIT INTERMATIC OR EQUAL ASTRONOMICAL TIME CLOCK WITH BATTERY BACKUP AND PHOTOCELL. PHOTOCELL "ON" TIME CLOCK "OFF".
3. PROVIDE GFCI PROTECTED CIRCUIT BREAKER.
4. ~~CONDUIT, WIRE, AND BREAKER SIZE PER MANUFACTURER'S REQUIREMENTS.~~
5. INTERCEPT EXISTING CIRCUIT. PROVIDE ADDITIONAL CONDUIT, WIRING, ETC. AS NEEDED.

LOAD SUMMARY

120/240V, 3-PHASE

A	B	C
208241		
	208561	
		187890
208 kVA	209 kVA	188 kVA
1735 A	1738 A	1566 A

Load Classification	Connected Load	Demand Factor	Estimated Demand	Service Totals	
Existing Load	336000 VA	125.00%	420000 VA		
HVAC	135675 VA	100.00%	135675 VA	**Total Conn. Load:**	605 kVA
Kitchen Equipment - Non-Dwelling Unit	125242 VA	65.00%	81407 VA	**Total Est. Demand:**	646 kVA
Lighting	3291 VA	125.00%	4114 VA	**Total Conn.:**	1455 A
Receptacles	4640 VA	100.00%	4640 VA	**Total Est. Demand:**	1553 A

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ELECTRICAL ENGINEERING

LENWIL ELEMENTARY SCHOOL CAFETERIA RENOVATOIN

112 ARRANT ROAD
WEST MONROE, LA 71292

DRAWING REVISIONS

No.	Description	Date
1	ADD. 2	10-21-2025

DRAWN BY: KR
CHECKED BY: TK

SHEET

E6.01

Date: OCT 2025
Project No.: 21-001
File Name:

DESCRIPTION:

ELECTRICAL DETAILS, SCHEDULES, AND RISER

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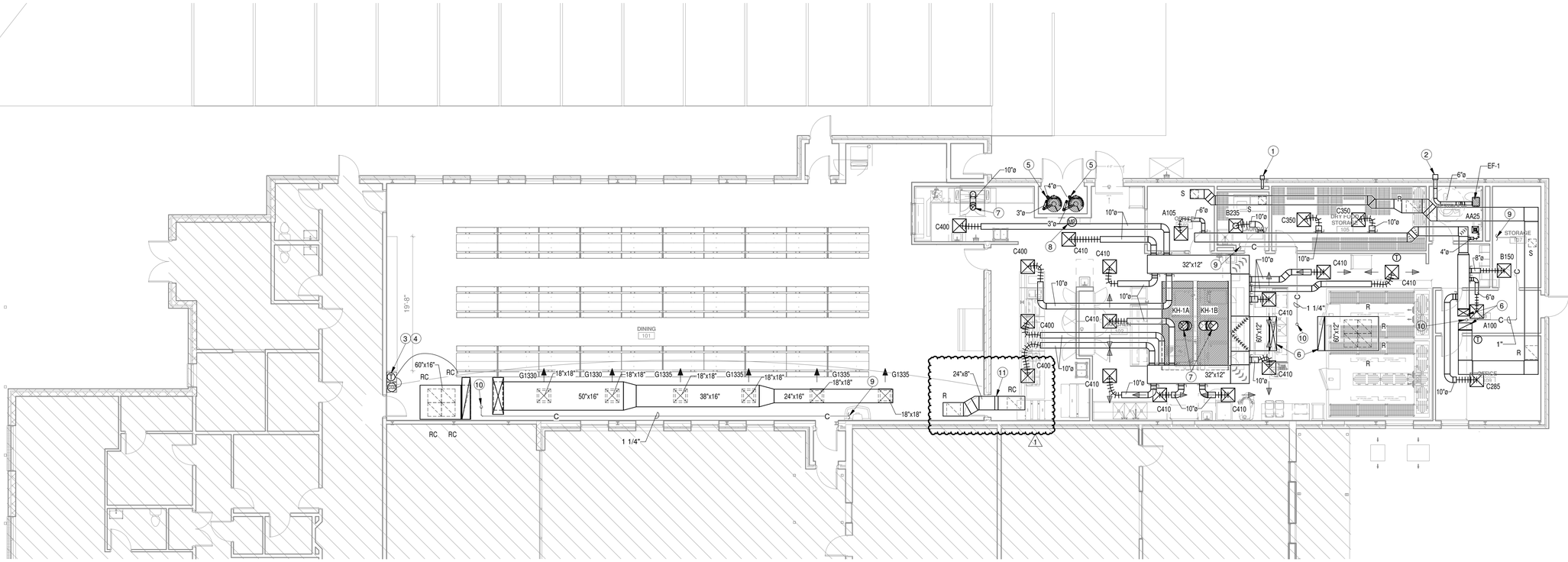
PROJECT No.: 25067.00



1 Mechanical Plan
1/8" = 1'-0" Refer to Architectural Drawings for All Dimensions

MECHANICAL NOTES (#)

1	DRYER WALL CAP IN EXTERIOR WALL. EXTEND 4" RIGID METAL DUCT TO DRYER LOCATION. PROVIDE METAL FLEXIBLE DUCT FOR FINAL CONNECTION.
2	TERMINATE EXHAUST DUCT AT EXHAUST FAN MANUFACTURER PROVIDED WALL CAP ABOVE THE CEILING IN THIS VICINITY. PROVIDE WALL CAP WITH BIRD SCREEN.
3	CARBON DIOXIDE SENSOR AND THERMOSTAT TO BE MOUNTED AT 48" A.F.F. EACH WITHIN A CLEAR LOCKABLE COVER WITH HOLES TO ALLOW AIRFLOW THROUGH ENCLOSURE.
4	INTERLOCK CO2 CENSOR WITH RESPECTIVE ROOFTOP UNIT'S MOTORIZED OUTSIDE AIR DAMPER. THE MOTORIZED OUTSIDE AIR DAMPER SHALL OPEN WHEN CO2 SENSOR IN THE SPACE MEASURES CO2 LEVELS ABOVE 1100 PPM AND CLOSE WHEN SENSOR READS LESS THAN 1100 PPM WHEN UNIT IS ON. THE DAMPER SHOULD NOT OPEN WHEN THE UNIT IS OFF. PROVIDE ALL NECESSARY RELAYS, SWITCHES, TRANSFORMERS, ETC. AS REQUIRED.
5	EXTEND INTAKE AND EXHAUST VENT PIPING UP TO CONCENTRIC FLUE THROUGH ROOF IN THIS VICINITY. REFER TO DETAIL. COORDINATE ROOF PENETRATIONS WITH EXISTING ROOF STRUCTURE.
6	EXTEND DUCT TO ROOFTOP HVAC UNIT. COORDINATE ROOF PENETRATIONS WITH EXISTING ROOF STRUCTURE.
7	EXTEND DUCT TO ROOFTOP EXHAUST FAN. COORDINATE ROOF PENETRATIONS WITH EXISTING ROOF STRUCTURE.
8	REMOTE MANUAL PULL STATION FOR KITCHEN HOOD FIRE SUPPRESSION.
9	INSULATED CONDENSATE DRAIN LINE ROUTED CONCEALED ABOVE CEILING AND TERMINATED AT HUB DRAIN IN THIS VICINITY. REFER TO PLUMBING PLANS FOR HUB DRAIN LOCATIONS.
10	CONDENSATE DRAIN LINE DOWN FROM ROOFTOP UNIT
11	BACKDRAFT DAMPER INSTALLED IN TRANSFER DUCTWORK TO ALLOW AIRFLOW ONLY INTO THE KITCHEN.

1

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No.	Description	Date
1	ADD. 2	10-21-2025

DRAWN BY: KR
CHECKED BY: GW

SHEET

M2.01

Date: OCT 2025
Project No.: 21-001
File Name:

DESCRIPTION:
MECHANICAL PLAN

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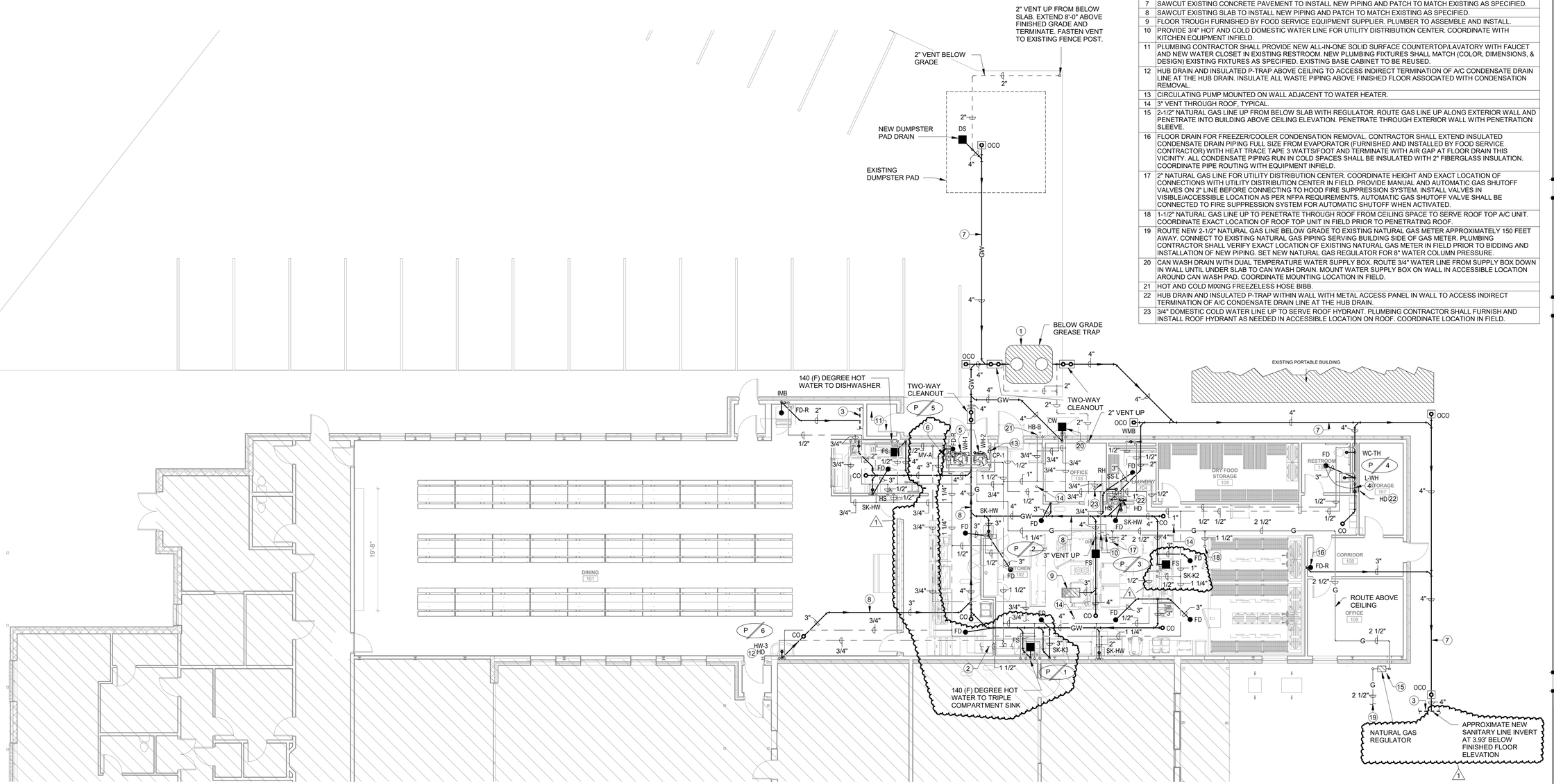
Electrical Contact: Terry Kirsch
Email: terry@meconsulting.com
PROJECT No.: 25067.00

PLUMBING PLAN NOTES

1	SCHIER MODEL GB-1000 BELOW GRADE GREASE TRAP WITH 4" INLET/OUTLET PIPE CONNECTIONS, 1000 GALLON LIQUID CAPACITY, 100 GALLONS PER MINUTE FLOW RATE, 5,495 LBS GREASE CAPACITY, AND 211 GALLONS SOLIDS CAPACITY. ALSO INCLUDE TEST PORT ON BOTH SIDES OF GREASE TRAP.
2	EXISTING 1-1/2" DOMESTIC WATER LINE LOCATED ABOVE CEILING IN THIS VICINITY. VERIFY EXACT LOCATION IN FIELD.
3	EXISTING 4" SANITARY WASTE WATER LINE LOCATED BELOW SLAB IN THIS VICINITY. VERIFY EXACT LOCATION IN FIELD. SAW CUT EXISTING SLAB AND PATCH TO MATCH EXISTING. PLUMBING CONTRACTOR TO VERIFY ALL EXISTING INVERTS IN FIELD PRIOR TO STARTING WORK.
4	TRAP PRIME FLOOR DRAIN OFF LAVATORY/SINK TRAP AND ROUTE 1/2" WATER LINE FROM P-TRAP DOWN INSIDE WALL UNTIL UNDERSLAB TO FLOOR DRAIN.
5	TWO TANK TYPE GAS FIRED WATER HEATERS MANIFOLDED TOGETHER FOR KITCHEN HOT WATER SUPPLY.
6	WATER HEATER MIXING VALVE MOUNTED ON WALL ADJACENT TO WATER HEATER.
7	SAWCUT EXISTING CONCRETE PAVEMENT TO INSTALL NEW PIPING AND PATCH TO MATCH EXISTING AS SPECIFIED.
8	SAWCUT EXISTING SLAB TO INSTALL NEW PIPING AND PATCH TO MATCH EXISTING AS SPECIFIED.
9	FLOOR TROUGH FURNISHED BY FOOD SERVICE EQUIPMENT SUPPLIER. PLUMBER TO ASSEMBLE AND INSTALL.
10	PROVIDE 3/4" HOT AND COLD DOMESTIC WATER LINE FOR UTILITY DISTRIBUTION CENTER. COORDINATE WITH KITCHEN EQUIPMENT INFIELD.
11	PLUMBING CONTRACTOR SHALL PROVIDE NEW ALL-IN-ONE SOLID SURFACE COUNTERTOP/LAVATORY WITH FAUCET AND NEW WATER CLOSET IN EXISTING RESTROOM. NEW PLUMBING FIXTURES SHALL MATCH (COLOR, DIMENSIONS, & DESIGN) EXISTING FIXTURES AS SPECIFIED. EXISTING BASE CABINET TO BE REUSED.
12	HUB DRAIN AND INSULATED P-TRAP ABOVE CEILING TO ACCESS INDIRECT TERMINATION OF A/C CONDENSATE DRAIN LINE AT THE HUB DRAIN. INSULATE ALL WASTE PIPING ABOVE FINISHED FLOOR ASSOCIATED WITH CONDENSATION REMOVAL.
13	CIRCULATING PUMP MOUNTED ON WALL ADJACENT TO WATER HEATER.
14	3" VENT THROUGH ROOF, TYPICAL.
15	2-1/2" NATURAL GAS LINE UP FROM BELOW SLAB WITH REGULATOR. ROUTE GAS LINE UP ALONG EXTERIOR WALL AND PENETRATE INTO BUILDING ABOVE CEILING ELEVATION. PENETRATE THROUGH EXTERIOR WALL WITH PENETRATION SLEEVE.
16	FLOOR DRAIN FOR FREEZER/COOLER CONDENSATION REMOVAL. CONTRACTOR SHALL EXTEND INSULATED CONDENSATE DRAIN PIPING FULL SIZE FROM EVAPORATOR (FURNISHED AND INSTALLED BY FOOD SERVICE CONTRACTOR) WITH HEAT TRACE TAPE 3 WATTS/FOOT AND TERMINATE WITH AIR GAP AT FLOOR DRAIN THIS VICINITY. ALL CONDENSATE PIPING RUN IN COLD SPACES SHALL BE INSULATED WITH 2" FIBERGLASS INSULATION. COORDINATE PIPE ROUTING WITH EQUIPMENT INFIELD.
17	2" NATURAL GAS LINE FOR UTILITY DISTRIBUTION CENTER. COORDINATE HEIGHT AND EXACT LOCATION OF CONNECTIONS WITH UTILITY DISTRIBUTION CENTER IN FIELD. PROVIDE MANUAL AND AUTOMATIC GAS SHUTOFF VALVES ON 2" LINE BEFORE CONNECTING TO HOOD FIRE SUPPRESSION SYSTEM. INSTALL VALVES IN VISIBLE/ACCESSIBLE LOCATION AS PER NFPA REQUIREMENTS. AUTOMATIC GAS SHUTOFF VALVE SHALL BE CONNECTED TO FIRE SUPPRESSION SYSTEM FOR AUTOMATIC SHUTOFF WHEN ACTIVATED.
18	1-1/2" NATURAL GAS LINE UP TO PENETRATE THROUGH ROOF FROM CEILING SPACE TO SERVE ROOF TOP A/C UNIT. COORDINATE EXACT LOCATION OF ROOF TOP UNIT IN FIELD PRIOR TO PENETRATING ROOF.
19	ROUTE NEW 2-1/2" NATURAL GAS LINE BELOW GRADE TO EXISTING NATURAL GAS METER APPROXIMATELY 150 FEET AWAY. CONNECT TO EXISTING NATURAL GAS PIPING SERVING BUILDING SIDE OF GAS METER. PLUMBING CONTRACTOR SHALL VERIFY EXACT LOCATION OF EXISTING NATURAL GAS METER IN FIELD PRIOR TO BIDDING AND INSTALLATION OF NEW PIPING. SET NEW NATURAL GAS REGULATOR FOR 8" WATER COLUMN PRESSURE.
20	CAN WASH DRAIN WITH DUAL TEMPERATURE WATER SUPPLY BOX. ROUTE 3/4" WATER LINE FROM SUPPLY BOX DOWN IN WALL UNTIL UNDER SLAB TO CAN WASH DRAIN. MOUNT WATER SUPPLY BOX ON WALL IN ACCESSIBLE LOCATION AROUND CAN WASH PAD. COORDINATE MOUNTING LOCATION IN FIELD.
21	HOT AND COLD MIXING FREEZELESS HOSE BIBB.
22	HUB DRAIN AND INSULATED P-TRAP WITHIN WALL WITH METAL ACCESS PANEL IN WALL TO ACCESS INDIRECT TERMINATION OF A/C CONDENSATE DRAIN LINE AT THE HUB DRAIN.
23	3/4" DOMESTIC COLD WATER LINE UP TO SERVE ROOF HYDRANT. PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL ROOF HYDRANT AS NEEDED IN ACCESSIBLE LOCATION ON ROOF. COORDINATE LOCATION IN FIELD.



1 PLUMBING PLAN
1/8" = 1'-0" Refer to Architectural Drawings for All Dimensions

NOTE:

PLUMBING CONTRACTOR SHALL COORDINATE PLUMBING REQUIREMENTS FOR EACH KITCHEN PLUMBING FIXTURE/EQUIPMENT WITH FOOD SERVICE EQUIPMENT DRAWING PRIOR TO BIDDING AND ROUGH-IN.

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PROJECT No.: 25067.00

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LENWIL ELEMENTARY SCHOOL CAFETERIA RENOVATOIN

112 ARRANT ROAD
WEST MONROE, LA 71292

DRAWING REVISIONS

No.	Description	Date
1	ADD. 2	10-21-2025

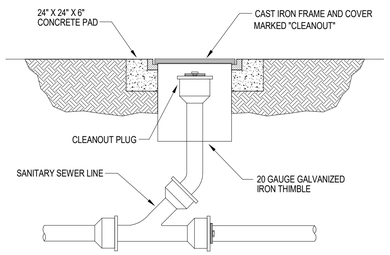
DRAWN BY: KR
CHECKED BY: TK

SHEET

P2.01

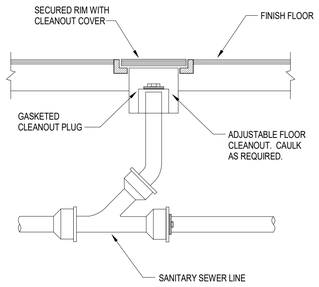
Date: OCT 2025
Project No.: 21-001
File Name:

DESCRIPTION:
PLUMBING PLAN



1 OUTSIDE CLEANOUT DETAIL

NO SCALE



2 FLOOR CLEANOUT DETAIL

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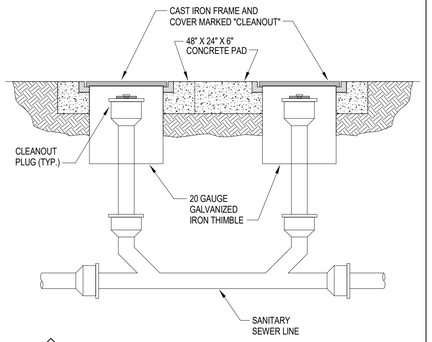

3 TWO-WAY OUTSIDE CLEANOUT DETAIL

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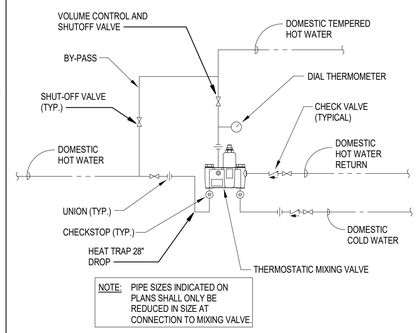

4 THERMOSTATIC MIXING VALVE DETAIL

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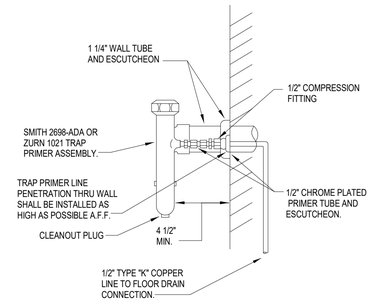
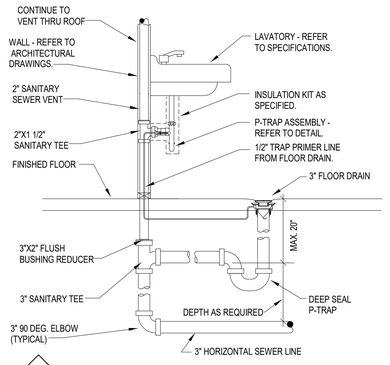


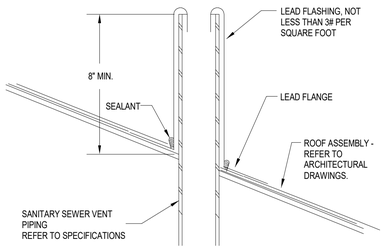
5 TRAP PRIMER DETAIL

NO SCALE



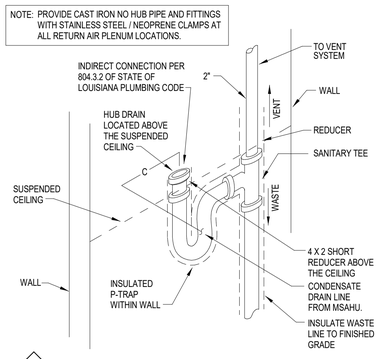
6 FLOOR DRAIN TRAP PRIMER DETAIL

NO SCALE



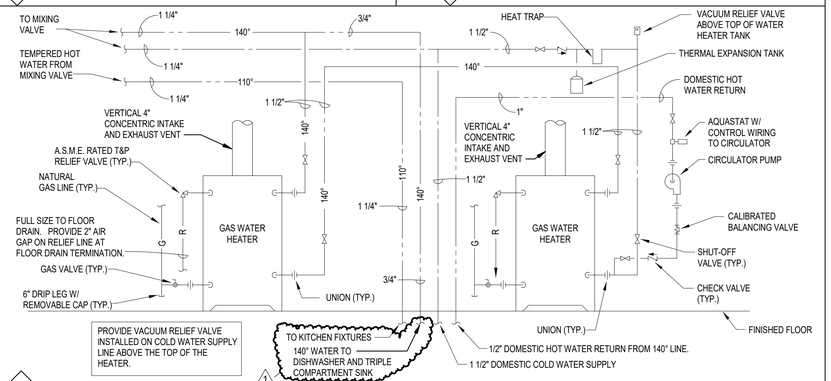
7 PLUMBING VENT THRU ROOF DETAIL

NO SCALE



8 CONCEALED HUB DRAIN DETAIL

NO SCALE



9 DUAL WATER HEATER PIPING DETAIL (H.W. RETURN)

NO SCALE

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PLUMBING DETAILS

CONSULTING
1304 Bertrand Dr. Suite F7, Lafayette, LA 70506
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Electrical Contact: Terry Kirsch
Email: terry@meconsulting.com
PROJECT No.: 25067.00

PLUMBING FIXTURE SCHEDULE

LABEL	FIXTURE TYPE	MANUFACTURER	PIPE CONNECTION				SPECIFICATION
			C.W.	H.W.	WASTE	VENT	
CO	FLOOR CLEANOUT	ZURN 1400, WADE W-6000, MIFAB C1100-R OR J.R. SMITH 4031 (NB) WITH ADJUSTABLE SCORIATED SECURED NICKEL BRONZE TOP.	-	-	4"	-	FLOOR CLEANOUTS SHALL BE AN ADJUSTABLE TYPE WITH ANCHOR FLANGE FOR CLAMP DEVICE, CLAMPING COLLAR AND NICKEL BRONZE COVER. CONTRACTOR SHALL INSTALL 2# LEAD FLASHING A MINIMUM OF 18" ALL AROUND CLEANOUT AND FLASH INTO FLANGE AND ANCHOR WITH CLAMPING COLLAR.
CW	FLOOR SINK CAN WASH	JOSAM SERIES 39240, J. R. SMITH 3370, MIFAB F1350-Y-36	3/4"	3/4"	4"	2"	SQUARE CAST IRON CAN WASH DRAIN, DOUBLE DRAINAGE FLANGE WITH WEEPHOLES, BOTTOM OUTLET, REMOVABLE SEDIMENT BUCKET, BRONZE SPRAY NOZZLE ASSEMBLY AND CAST IRON NON-TRAFFIC GRATE. JAY R. SMITH MODEL 3380 (MIFAB F1670) WATER SUPPLY BOX WITH HINGED DOOR AND CYLINDER LOCK.
DS	DUMPSTER PAD DRAIN	J.R. SMITH SQ-2-2289 OR APPROVED EQUIVALENT	-	-	4"	2"	15"X15" DUCO COATED CAST IRON ADJUSTIBLE FRAME, LOOSE SET DUCTILE IRON GRATE AND SUSPENDED CAST IRO SEDIMENT BUCKET WITH LOOSE SET SOLID NON-SKID STEEL COVER WITH LIFT HANDEL.
FD	FLOOR DRAIN	JOSAM SERIES 30000, WADE W-1100-A6-1, J. R. SMITH 2010A, MIFAB F1100-C, ZURN 415-BZ OR EQUIVALANT	-	-	3"	2"	BOTTOM OUTLET WITH DURA-COATED CAST IRON BODY, WITH CLAMPING COLLAR AND 6" DIAMETER NICKEL BRONZE STRAINER ADJUSTABLE VERTICALLY TO FLOOR LEVEL, WITH SQUARE PERFORATIONS AND VANDAL-PROOF SCREWS. PROVIDE TRAP PRIMER CONNECTION WHERE SHOWN ON PLANS. PROVIDE SURESEAL MODEL SS3000V (MIFAB MI-GARD-3) FLOOR DRAIN TRAP SEALER FOR 3" DIAMETER DRAIN (ASSE 1072) WHERE TRAP PRIMER LINE IS NOT SHOWN CONNECTING TO THE FLOOR DRAIN ON THE PLANS. COORDINATE FINAL ROUGH-IN ELEVATION WITH FINISHED FLOOR. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
FD-R	FLOOR DRAIN RECESSED GRATE	JOSAM SERIES 30000, WADE W-1100-ER7-1, J. R. SMITH 2010A, MIFAB F1100-C, ZURN 415-BZ OR EQUIVALANT	-	-	3"	2"	SHALL BE SAME AS "FD", EXCEPT SUPPLIED WITH 1" RECESSED GRATE, JOSAM TYPE "E-1", WADE W-1100-ER7, J. R. SMITH 2010-F37, MIFAB F1100-C-ER WITH TOP OF RIM SET FLUSH WITH FINISHED FLOOR. PROVIDE SURESEAL MODEL SS3000V (MIFAB MI-GARD-3) FLOOR DRAIN TRAP SEALER FOR 3" DIAMETER DRAIN (ASSE 1072) WHERE TRAP PRIMER LINE IS NOT SHOWN CONNECTING TO THE FLOOR DRAIN ON THE PLANS.
FS	FLOOR SINK	J.R. SMITH 3150, JOSAM 49340-A-NB	-	-	4"	2"	12"X12" SQUARE CAST IRON 8" DEEP FLOOR SINK WITH ACID-RESISTING PORCELAIN ENAMELED INTERIOR, DOUBLE DRAINAGE FLANGE, CLAMPING DEVICE, 12-1/2" SQUARE NICKEL BRONZE RIM AND GRATE, BOTTOM OUTLET, ALUMINUM INTERNAL DOME STRAINER. JOSAM 88350, J.R. SMITH 2697, ZURN 1023 STRAIGHT SPIGOT ADAPTER WITH AUXILIARY INLET FITTING WITH TRAP PRIMER CONNECTION WHERE INDICATED ON PLANS.
HB-B	HOSE BIBB	WOODFORD MODEL HCB67, MIFAB MHY-45	3/4"	3/4"	-	-	FREEZELESS HOT AND COLD MIXER WALL HYDRANT WITH AUTOMATIC DRAINING AND HOSE CONNECTION BACKFLOW PREVENTER, RECESSED BOX, AND LOOSE KEY HANDLE.
HD	HUB DRAIN	SURESEAL SS2009V, TRAP GUARD TG-22IP, MIFAB MI-GARD-2	-	-	2"	1 1/2"	DRAIN TRAP SEALER FOR 2" DIAMETER CONDENSATE HUB DRAIN.
HS	HOSE STATION	LEONARD MODEL THS-25-VBD-CW	1/2"	1/2"	-	-	THERMOSTATIC MIXING FAUCET WITH HOT AND COLD WATER, TOP INLETS; TWO STOP AND CHECK VALVES WITH COLOR CODED HEAT RESISTANT HANDLES ON INLETS, INTERNAL PARTS OF STAINLESS STEE CONSTRUCTION, OUTLET DIAL THERMOMETER, COLOR CODED SCALE: COLD TO HOT HIGH TEMPERATURE LIMIT STOP, HEAT RESISTANT TEMPERATURE ADJUSTING LEVER, INTEGRAL WALL SUPPORT, VACUUM BREAKER, HOSE CONNECTION, STAINLESS STEEL HOSE RACK, 25 FEET OF INDUSTRIAL HOSE AND HOSE NOZZLE WITH TRIGGER CONTROL LEVER.
HW-3	HANDWASH	BRADLEY MODEL MF2949-TTPA-LSD-TMA OR APPROVED EQUVILENT	1/2"	1/2"	2"	2"	WALL HUNG TERREON WASHFOUNTAIN BOWL TO ACCOMMODATE UP TO 4 USERS AT A TIME. VANDAL RESISTANT MOLDED SPRAYHEAD IS AN INTEGRAL ELEMENT OF THE BOWL MODULE, SPRAYHEAD WITH PUSH BUTTON TOUCH TIME ELECTRONIC METERING VALVE, SLOW CLOSING ANTI HAMMER SOLENOID VALVE THAT IS TIMED FROM AN ELECTRONIC POTTED ASSEMBLY. TIMING IS ELECTRONICALLY CONTROLLED AT 15 SECONDS. THERMOSTATIC MIXING VALVE ASSEMBLY WITH STOPS, STRAINER AND CHECK VALVE; FLEXIBLE STAINLESS SUPPLY HOSE, DRAIN SPUD AND LOCK NUT; P-TRAP, TAILPIECE. REFER TO ARCHITECTURAL DRAWINGS FOR A.D.A. MOUNTING HEIGHTS. PROVIDE 110V GFCI ELECTRICAL OUTLET. COORDINATE WORK WITH ELECTRICAL CONTRACTOR. COLOR AND MOUNTING HEIGHT TO BE SELECTED BY ARCHITECT. CAULK AROUND PERIMETER OF FIXTURE. PROVIDE LAWLER 570 (LEONARD 170-LF, WATTS LFUSG-B SERIES) THERMOSTATIC MIXING VALVE, 3/8" INLETS & OUTLET CONNECTIONS, TEMPERATURE CONTROL DEVICE THAT CONFORMS TO ASSE 1070.
IMB	ICE MACHINE BOX	OATELY 38681, SPECIALITY PRODUCTS P4129	1/2"	-	-	-	1/2" COLD WATER VALVED CONNECTION IN RECESSED BOX.
L-WH	LAVATORY	KOHLER K-1729, AMERICAN STANDARD 0124.131	1/2"	1/2"	2"	2"	WALL HUNG, 20" X 18", WHITE, VITREOUS CHINA, WALL MOUNTED LAVATORY WITH 4" FAUCET CENTERS. ZURN Z6950-XL-S-CP4-F-CWB-P6000-HW6 (SLOAN SF2100-4-EAF11) SENSOR OPERATED FAUCET, CHROME PLATED CAST BRASS BODY, IN-LINE FILTER, 4" COVER PLATE, 0.5 VANDAL RESISTANT AERATOR, HARD WIRED POWER CONVERTER WITH; WITH MCGUIRE 155WC (KOHLER K-13885) OFFSET TAILPIECE WITH PERFORATED GRATE DRAIN; MCGUIRE 8872 (KOHLER K-8998) 1-1/4" CAST BRASS P-TRAP WITH CLEANOUT PLUG; AND 3/8" ANGLE SUPPLIES WITH STOPS. PROVIDE J.R. SMITH 2698-ADA PRIME-EZE; ZURN Z1021-ADA OR EQUAL WATER SAVER TRAP PRIMER WHERE INDICATED ON PLANS. TRUEBRO MODEL 103, (ZURN Z8946-3-NT) INSULATING KIT. INSTALL PER A.D.A. REQUIREMENTS. CAULK AROUND PERIMETER OF FIXTURE. PROVIDE LAWLER 570 (LEONARD 170-LF, WATTS LFUSG-B SERIES) THERMOSTATIC MIXING VALVE, 3/8" INLETS & OUTLET CONNECTIONS, TEMPERATURE CONTROL DEVICE THAT CONFORMS TO ASSE 1070.
OCO	OUTSIDE CLEANOUT	J.R. SMITH, JOSAM, MIFAB, ZURN, WADE	-	-	4"	-	OUTSIDE CLEANOUTS SHALL BE AS DETAILED ON THE PLANS.
RH	FREEZELESS ROOF HYDRANT	WOODFORD MODEL RHY1-1-MS, ZURN Z1388XL	3/4"	-	-	-	AUTOMATIC DRAINING FREEZELESS ROOF HYDRANT WITH LEVER HANDLE.
SK-HW	SINK	ELKAY MODEL CHS1716SC, JUST A-544-912	1/2"	1/2"	2"	2"	WALL HUNG, 20 GAUGE TYPE 304 STAINLESS STEEL WITH BUFFED SATIN FINISH, 16.75" X 15.5" X 13", ONE PIECE DEEP DRAWN SINK WITH WITH 8.5" TALL BACKSPLASH WITH INTEGRAL WALL BRACKETS AND WALL HANGER. ELKAY LK940GN04L2H (JUST JS-47-TGSA) 8" CENTERSET WALL MOUNT FAUCET WITH 4" GOOSENECK SPOUT, 2" LEVER HANDLES, 1/2" OFFSET INLETS; ELKAY LK8 (JUST J-15-FS) 2" DRAIN FITTING TYPE 304 STAINLESS STEEL BODY, GRID STRAINER AND TAILPIECE; ELKAY LK500 (JUST JT-150, MCGUIRE 8912) 1-1/2" CAST BRASS P-TRAP WITH CLEANOUT PLUG; 3/8" ANGLE SUPPLIES WITH STOPS. TRUEBRO MODEL 103 (ZURN Z8946-3-NT) INSULATING KIT. INSTALL PER A.D.A. REQUIREMENTS. CAULK AROUND PERIMETER OF FIXTURE.
SK-K2	DOUBLE COMPARTMENT SINK	DOUBLE COMPARTMENT SINK PROVIDED BY FOOD SERVICE EQUIPMENT SUPPLIER.	1/2"	1/2"	2"	2"	PLUMBING CONTRACTOR SHALL ASSEMBLE AND INSTALL SINK/FAUCETS AND ALL NECESSARY PLUMBING SERVICES TO COMPLETE INSTALLATION/OPERATION.
SK-K3	TRIPLE COMPARTMENT SINK	TRIPLE COMPARTMENT SINK PROVIDED BY FOOD SERVICE EQUIPMENT SUPPLIER.	1/2"	1/2"	2"	2"	PLUMBING CONTRACTOR SHALL ASSEMBLE AND INSTALL SINK/FAUCETS AND ALL NECESSARY PLUMBING SERVICES TO COMPLETE INSTALLATION/OPERATION.
SS-L	SERVICE SINK	FIAT FL-1, MUSTEE 18F	1/2"	1/2"	2"	2"	FLOOR MOUNTED SERV-A-SINK; A-1 FAUCET, A-2 OVER-LOW PAIL, WHITE BAKED ENAMEL LEGS WITH LEVELING FEET, DRAIN PLUG WITH CHAIN, 1-1/2" CAST BRASS P-TRAP WITH CLEANOUT PLUG AND 3/8" ANGLE SUPPLIES WITH STOPS.
WC-TH	WATER CLOSET	KOHLER K-3493 PRESSURE ASSISTED, AMERICAN STANDARD CADET 2467.016	1/2"	-	4"	3"	FLOOR MOUNTED, WHITE, VITREOUS CHINA, ELONGATED BOWL WATER CLOSET. K-4670-C (A.S. 5901.100, BEMIS 1955CT, BENEKE 523, CHURCH 295CT, CENTOCO 500STSCC) SOLID PLASTIC, WHITE OPEN-FRONT TOILET SEAT LESS COVER, CHECK HINGE AND WITH STA-TITE COMMERCIAL FASTENING SYSTEM; K-4562 BOLT CAPS AND 3/8" ANGLE SUPPLY WITH STOP. INSTALL PER A.D.A. REQUIREMENTS. TRIP LEVER TO BE ON WIDE SIDE OF STALL. INSTALL WAX SEAL BELOW FIXTURE. CAULK AROUND PERIMETER OF FIXTURE.
WMB	WASHING MACHINE	WATER-TITE W4700, OATEY 38530	1/2"	1/2"	2"	2"	PLASTIC WASHING MACHINE BOX, 1/2" COLD WATER AND 1/2" HOT WATER VALVED CONNECTIONS AND 2" CENTER DRAIN LINE.

1

WATER HEATER SCHEDULE

UNIT NO.	SERVICE	CAPACITY (GALLONS)	GAS INPUT (BTU/H)	TEMPERATURE SETTING	ELECTRICAL SERVICE	RECOVERY RATE @ 100°F TEMP. RISE	COMMENTS
WH-1	CAFETERIA	100 GALLON	199,000 NATURAL GAS	140 DEGREE (F)	120/1/60	256 GALLONS	A.O. SMITH MODEL BTH-199 (STATE MODEL SUF-100-199-NE)
WH-2	CAFETERIA	100 GALLON	199,000 NATURAL GAS	140 DEGREE (F)	120/1/60	256 GALLONS	A.O. SMITH MODEL BTH-199 (STATE MODEL SUF-100-199-NE)

NOTES: INDIVIDUAL VERTICAL 4" CONCENTRIC INTAKE AND EXHAUST VENT FOR EACH WATER HEATER. PROVIDE CONCENTRIC VENT KIT. REFER TO HVAC (MECHANICAL) DRAWINGS FOR FLUE ROUTING AND LOCATIONS THROUGH ROOF. CONTRACTOR SHALL COORDINATE FLUE LOCATION THROUGH ROOF AND PIPE ROUTING IN CEILING SPACES WITH ALL OTHER DISCIPLES PRIOR TO CONSTRUCTION.

DOMESTIC WATER CIRCULATING PUMP SCHEDULE

UNIT NO.	SERVICE	TYPE	GPM	H.D. FT. OF WATER	RPM	MOTOR HP	VOLTAGE	PHASE	BASIS OF DESIGN
CP-1	KITCHEN WATER HEATERS	IN-LINE	3	4.46	3450	0.17	120	1	TACO 2400-20S, B&G PL-36B OR APPROVED EQUAL

NOTES: 1. PUMP SHALL BE FURNISHED WITH ALL STAINLESS STEEL/BRONZE TRIM, AQUASTAT WITH TEMPERATURE ADJUSTABLE SETTING(SET AT 105°F) AND CONTROL WIRING INTERLOCKED WITH PUMP, CHECK VALVE AND CONTROL WIRING.

MIXING VALVE SCHEDULE

UNIT NO.	SERVICE	TYPE	TEMPERATURE SETTING	BASIS OF DESIGN
MV-A		STANDARD	110°F	BRADLEY MODEL S59-2045-TBP TMV45, LEONARD TM-30-E-RF

NOTES: 1. MIXING VALVE SHALL HAVE RELIABLE LIQUID-FILLED THERMOSTAT, DIAL THERMOMETER, WALL MOUNTING BRACKET, PIPED ASSEMBLY WITH INLET AND OUTLET SHUTOFF, INTEGRAL STRAINER CHECKSTOPS ON INLETS, ADJUSTABLE SET POINT (SET @ 110°F), POSITIVE SHUTOFF OF HOT WATER WHEN COLD SUPPLY IS LOST AND DIAL THERMOMETER. INSTALL THERMOMETER DOWNSTREAM OF UNIT IN PIPING. ASSE 1017.

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STATE OF LOUISIANA
BRYCE P. CASTILLE
REG. No. 45393
REGISTERED
PROFESSIONAL ENGINEER
MECHANICAL ENGINEERING
10-21-2025

LENWIL ELEMENTARY SCHOOL
CAFETERIA RENOVATOIN

112 ARRANT ROAD
WEST MONROE, LA 71292

DRAWING REVISIONS

No.	Description	Date
1	ADD. 2	10-21-2025

DRAWN BY: KR
CHECKED BY: TK
SHEET
P5.01
Date: OCT 2025
Project No.: 21-001
File Name:
DESCRIPTION:
PLUMBING SCHEDULES

M&E CONSULTING
1304 Bertrand Dr. Suite F7, Lafayette, LA 70506
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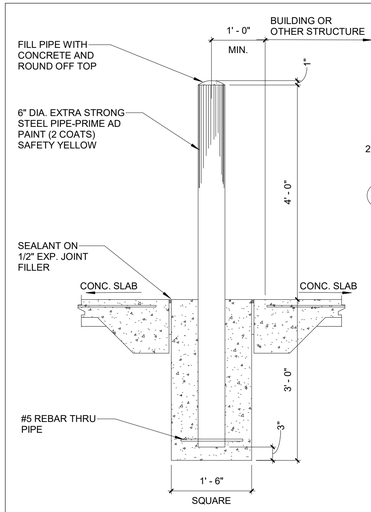
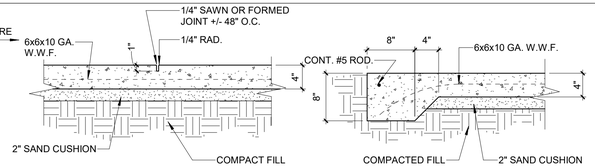
(337)234-7474
Mechanical Contact: Gabrielle Wehner
Email: gabrielle@meconsulting.com
Electrical Contact: Terry Krsch
Email: terry@meconsulting.com
PROJECT No.: 25067.00



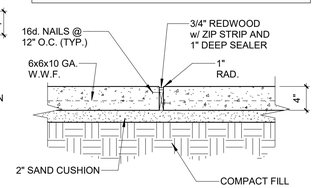
2 PIPE BOLLARD
3/4" = 1'-0"



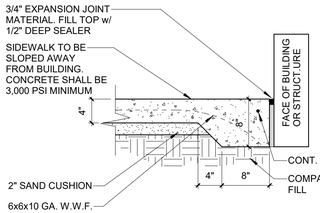
3 SIDEWALK CONTROL JOINT @ 5' O.C.
1" = 1'-0"

4 SIDEWALK EDGE DETAIL
1" = 1'-0"

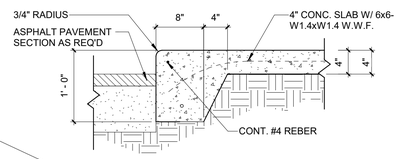
NOTE:
ALL NEW CONCRETE PAVING SHALL BE AIR ENTRAINED.



5 SIDEWALK EXPANSION JOINT @ 15' O.C.
1" = 1'-0"



6 SIDEWALK @ BUILDING
1" = 1'-0"



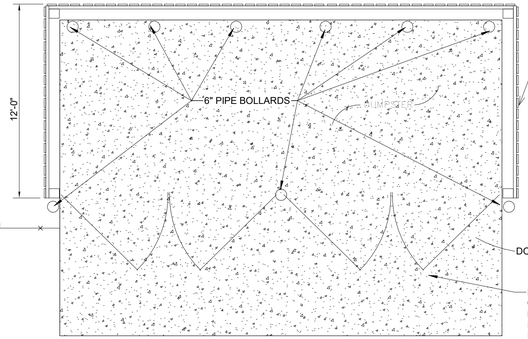
7 SIDEWALK EDGE DETAIL TO ASPHALT
1" = 1'-0"

GENERAL NOTES

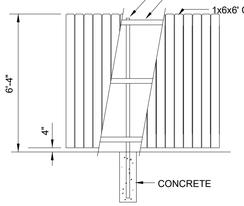
1. CONTRACTOR SHALL COORDINATE WITH THE OWNER IN AN EFFORT TO DETERMINE THE LOCATIONS OF OTHER POTENTIAL EXISTING UNDERGROUND UTILITIES WITHIN THE PROJECT AREA AND NOTIFY ARCHITECT IF CONFLICTS ARISE BETWEEN EXISTING UTILITIES AND THE PROPOSED CONSTRUCTION.
2. PRIOR TO THE INITIATION OF SITE CONSTRUCTION, THE CONTRACTOR SHALL VERIFY ANY EXISTING UTILITIES INCLUDING GAS, WATER, ELECTRIC, COMMUNICATION, CABLE TV, SANITARY AND STORM SEWERS ON AND/OR ADJACENT TO THE SITE.
3. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN AREAS OF BURIED UTILITIES AND SHALL CALL "LOUISIANA ONE CALL" OR UTILITY COMPANY AT LEAST 48 HOURS PRIOR TO CONSTRUCTION TO ARRANGE FOR FIELD LOCATIONS OF BURIED UTILITIES.
4. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE TO EXISTING FACILITIES, ABOVE OR BELOW GROUND, THAT MAY OCCUR AS A RESULT OF THE WORK PERFORMED BY THE CONTRACTOR OR SUBCONTRACTORS.
5. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BECOME FAMILIAR WITH THE PERMIT AND INSPECTION REQUIREMENTS SPECIFIED BY THE VARIOUS GOVERNMENTAL AGENCIES AND THE ENGINEER. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO CONSTRUCTION AND SCHEDULE INSPECTIONS ACCORDING TO AGENCY INSTRUCTION/REQUIREMENTS.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER INSTALLATION OF EROSION CONTROL DEVICES AS REQUIRED TO PROTECT ADJACENT PROPERTY AND DOWNSTREAM DRAINAGE FACILITIES PRIOR TO ANY SITE WORK.
7. ALL EXISTING DEBRIS WITHIN CONSTRUCTION LIMITS (ABOVE AND BELOW GROUND) CONSTRUCTION DEBRIS AND DEBRIS FROM ALL DEMOLISHED ITEMS SHALL BE DISPOSED OF OFF-SITE BY THE CONTRACTOR IN ACCORDANCE WITH APPLICABLE REGULATORY AGENCY REQUIREMENTS.
8. ALL VOIDS CREATED BY DEMOLITION SHALL BE FILLED WITH SELECT MATERAL AND COMPACTED TO 95% OF THE STANDARD PROCTOR DENSITY.
9. ALL SIDEWALK RAMPS SHALL MEET CURRENT ADA STANDARDS FOR ACCESSIBLE DESIGN, INCLUDING REQUIREMENTS FOR DETECTABLE WARNINGS, AND SHALL HAVE A LONGITUDINAL SLOPE OF 1:23 AND MAXIMUM RISE OF 6".
10. ASPHALT PAVEMENT SECTION FOR MILL & OVERLAY AREAS SHALL CONSIST OF 2" ASPHALTIC CONCRETE WEARING COURSE PLACED ON EXISTING MILLED ASPHALT SURFACES.
ASPHALTIC CONCRETE PAVEMENT SHALL BE PROVIDED IN ACCORDANCE WITH LDOTD STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES, 1992 EDITION SECTION 501, TYPE 3 WEARING AND BINDER COURSES. A MINIMUM OF 95% OF THE MAXIMUM DENSITY SHALL BE OBTAINED.
11. CONCRETE SIDEWALKS AND RAMPS SHALL BE PROVIDED IN ACCORDANCE WITH LDOTD STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES, LATEST EDITION, SECTION 706, CONCRETE WALKS, DRIVES AND INCIDENTAL PAVING.
12. ALL CONCRETE JOINTS SHALL BE CLEANED AND SEALED WITH POLYURETHANE OR SILICONE POLYMER JOINT SEALER CONFORMING TO LA. STD. SPECIFICATIONS FOR ROADS AND BRIDGES.
13. FINISH GRADE OF NEW PAVEMENT SURFACE TO MATCH EXISTING PAVEMENT GRADE AT PERIMETER OF NEW CONSTRUCTION AND SHALL PROVIDE FOR POSITIVE DRAINAGE TO EXISTING DRAINAGE OUTFALLS.

N 1 1ST FLOOR PLAN
1/8" = 1'-0" | RE:2/A1.02

1 FS1.01

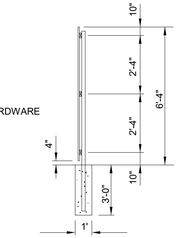


DUMPSTER PAD DETAIL
SCALE: NONE



ELEVATION

NOTE: ALL FASTENERS AND GATE HARDWARE TO BE GALVANIZED METAL



SECTION

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TIMOTHY M. BRANTLEY LIC.#5772 STATE OF LOUISIANA REGISTERED ARCHITECT

LENWIL ELEMENTARY SCHOOL
CAFETERIA RENOVATOIN

112 ARRANT ROAD
WEST MONROE, LA 71292

DRAWING REVISIONS

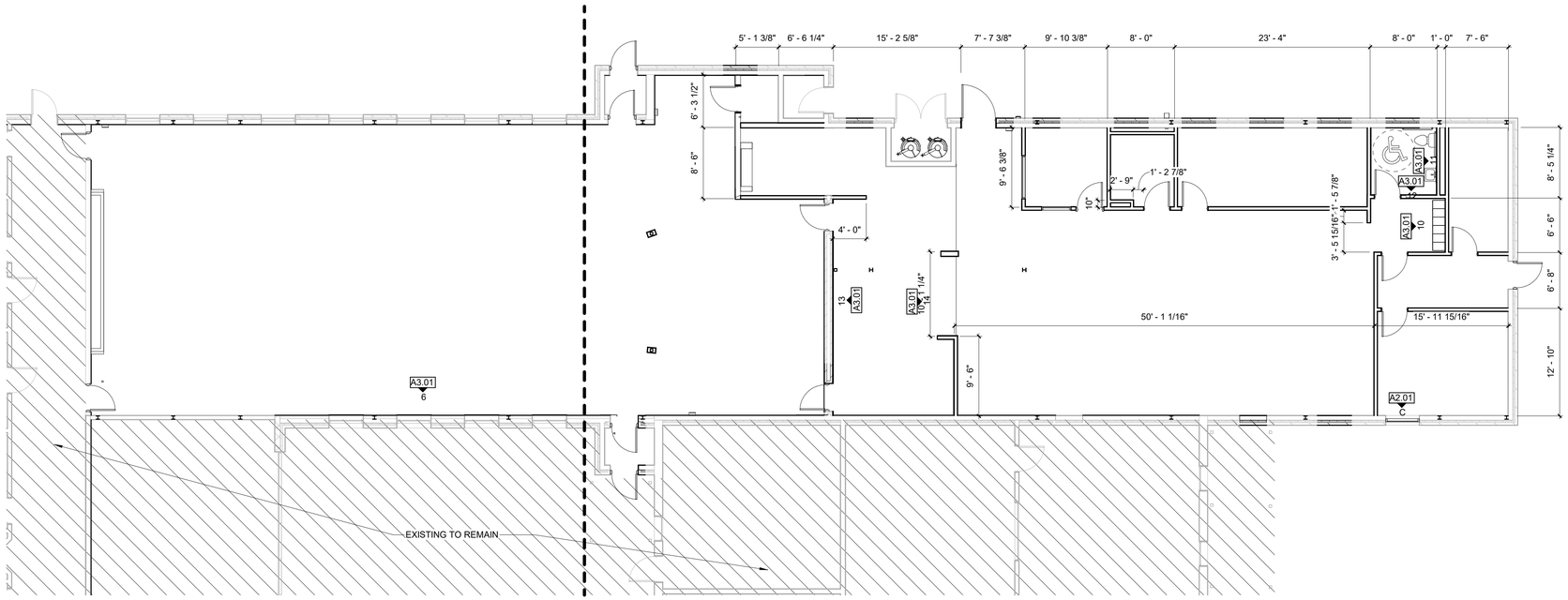
No.	Description	Date
1	Revision 1	10/22/2025

DRAWN BY: HT, MU
CHECKED BY: CW

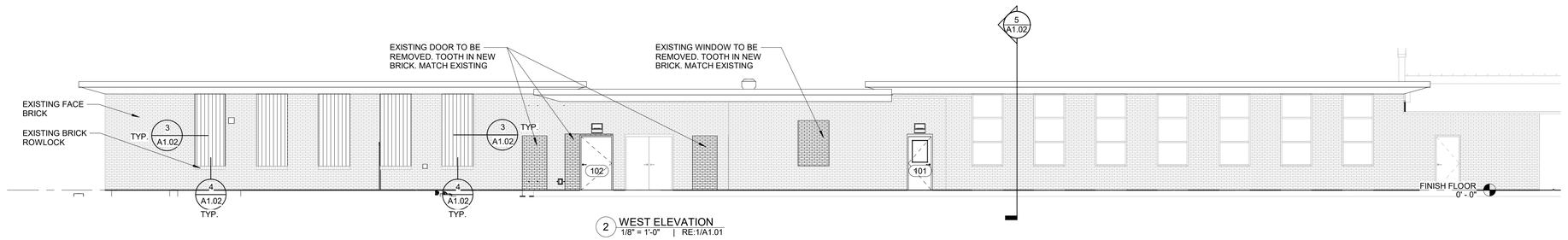
SHEET
A1.01

Date: OCTOBER 2025
Project No.: 25-WM0015
File Name:

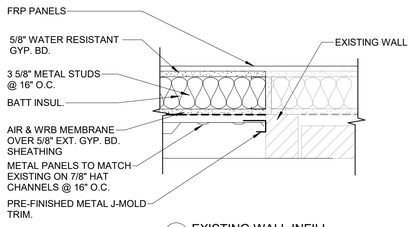
DESCRIPTION:
1ST FLOOR PLAN



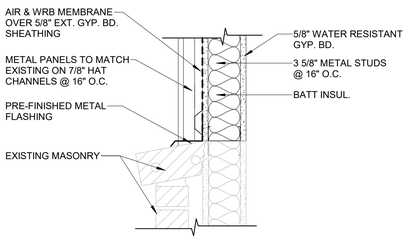
1 1ST FLOOR PLAN DIMENSIONED
1/8" = 1'-0" | RE:2/A1.02



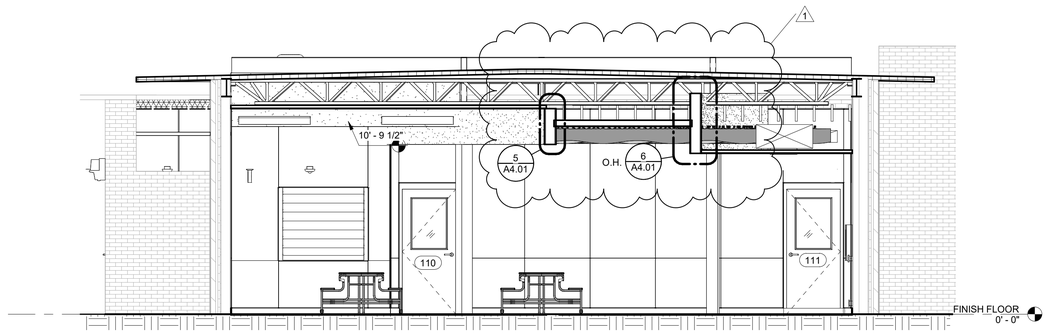
2 WEST ELEVATION
1/8" = 1'-0" | RE:1/A1.01



3 EXISTING WALL INFILL
1 1/2" = 1'-0" | RE:1/A1.01



4 EXISTING WALL INFILL SILL
1 1/2" = 1'-0" | RE:2/A1.02



5 BUILDING SECTION
1/4" = 1'-0" | RE:1/A1.01

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DRAWING REVISIONS

No.	Description	Date
1	Revision 1	10/22/2025

DRAWN BY: HT, MU
CHECKED BY: CW

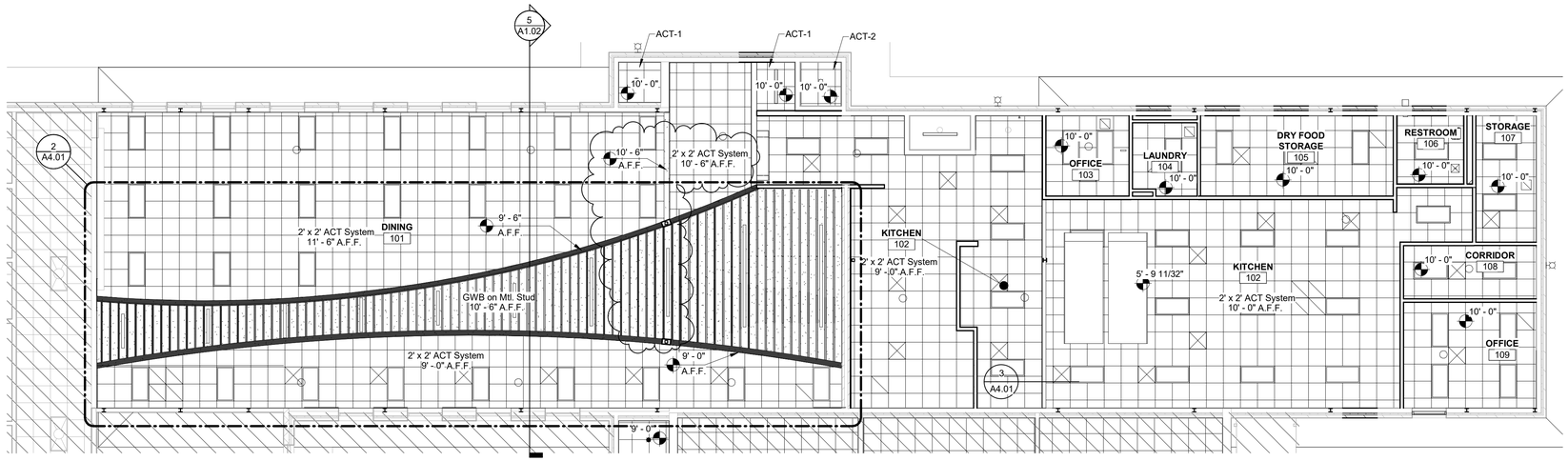
SHEET

A1.02

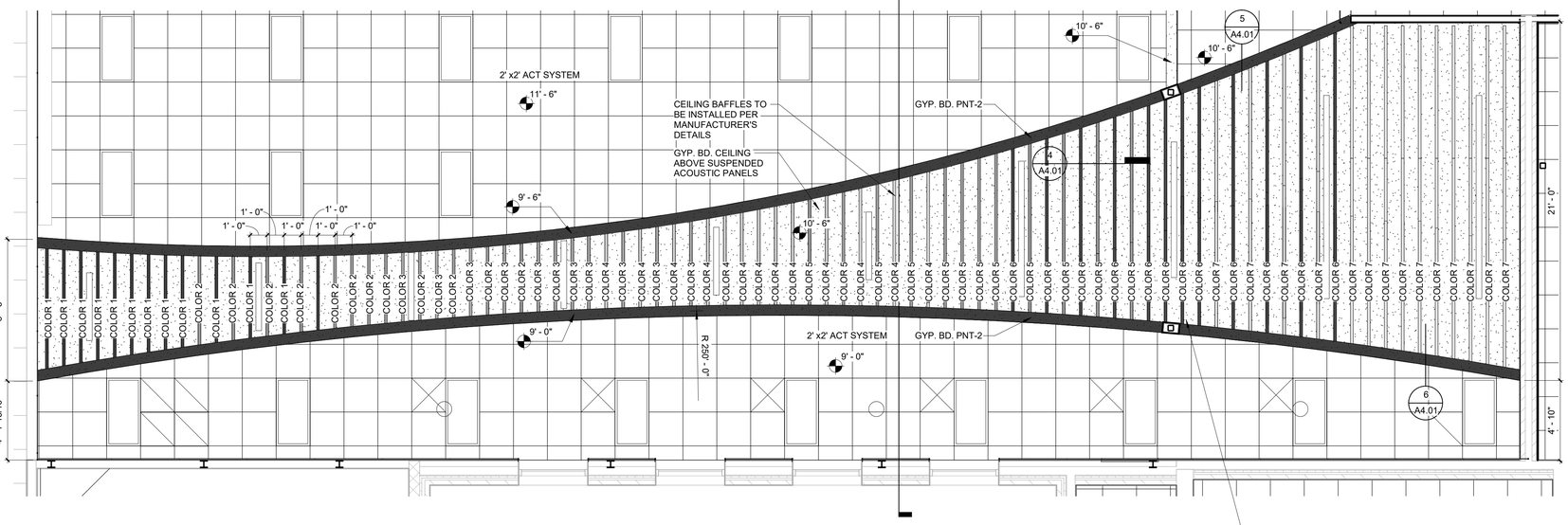
Date: OCTOBER 2025
Project No.: 25-WM0015
File Name:

DESCRIPTION:

1ST FLOOR DIMENSIONED PLAN



1 RCP 1ST FLOOR
1/8" = 1'-0" | RE:2/A1.02



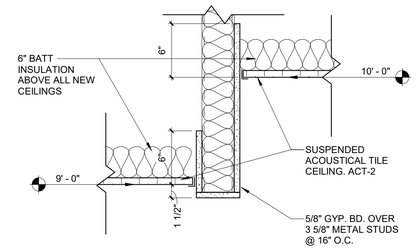
2 ENLARGED RCP
1/4" = 1'-0" | RE:1/A4.01

FIELD VERIFY EXACT DIMENSIONS OF FURRINGS FOR THE ACOUSTIC PANELS AND BAFFLES.

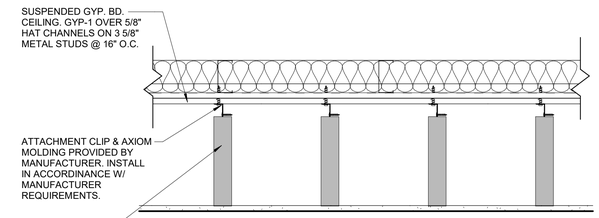
CEILING MATERIAL LEGEND

	2'-0" x 2'-0" CEILING TILES AND SUSPENDED METAL GRID	ACT 1
	2' X 2' MOISTURE RESISTANT ACOUSTICAL CEILING TILE - SEE SPECIFICATIONS	ACT 2
	GYPSUM BOARD CEILING	GYP 1
X'-X"	CEILING HEIGHT	

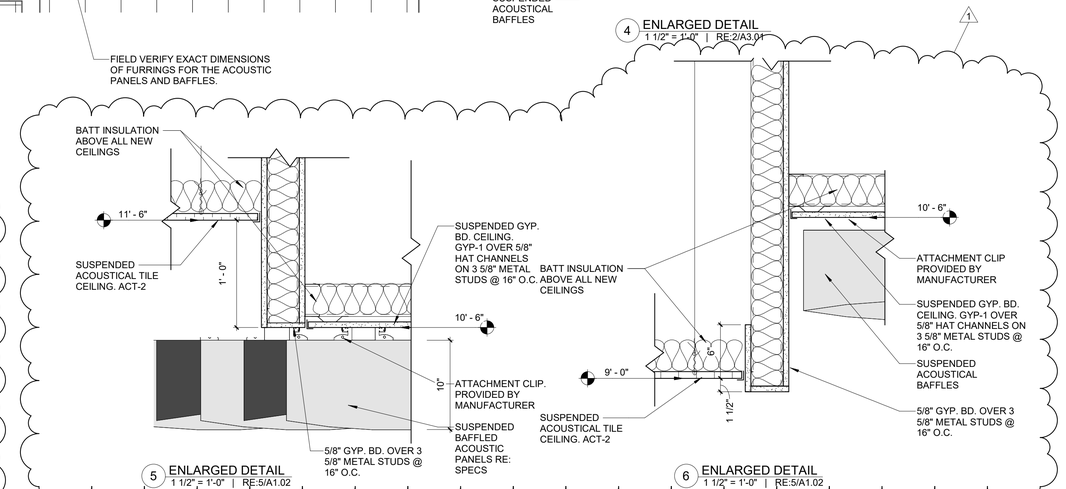
1. THE REFLECTED CEILING PLAN DRAWING INDICATES CEILING FINISHES AND HEIGHTS. SEE ELECTRICAL DRAWINGS FOR ALL LIGHTING AND CEILING MOUNTED DEVICES WHICH SHALL BE COUNTED AND INSTALLED PER THE ELECTRICAL DRAWINGS. ALL SUSPENDED ACOUSTIC CEILINGS IN CORRIDORS SHALL HAVE HOLD DOWN CLIPS. SEE THE FINISH SCHEDULE FOR MORE INFORMATION ON THE SPECIFIC TYPE OF CEILING TILES AND FINISHES FOR EACH INDIVIDUAL ROOM.
2. THE ARCHITECT MAINTAINS THE RIGHT TO SELECT LIGHT FIXTURE, ELECTRICAL SWITCH, OUTLET, AND ALL COVER PLATES COLOR. IF THE COLOR IS INCLUDED IN THE ELECTRICAL SPECIFICATIONS OR THE SUBMITTAL, AND APPROVED BY THE ELECTRICAL ENGINEER, THE ARCHITECT SHALL STILL APPROVE ALL COLORS BEFORE THAT SUBMITTAL ITEM IS CONSIDERED OFFICIAL.



3 ENLARGED DETAIL
1 1/2" = 1'-0" | RE:1/A4.01

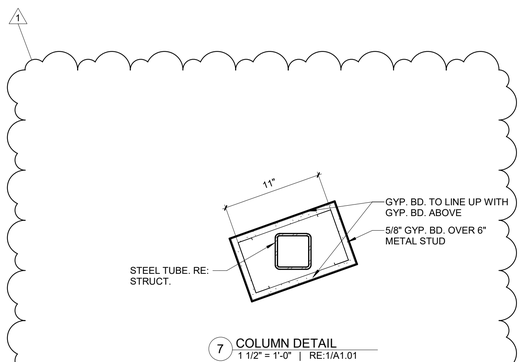


4 ENLARGED DETAIL
1 1/2" = 1'-0" | RE:2/A3.01



5 ENLARGED DETAIL
1 1/2" = 1'-0" | RE:5/A1.02

6 ENLARGED DETAIL
1 1/2" = 1'-0" | RE:5/A1.02



7 COLUMN DETAIL
1 1/2" = 1'-0" | RE:1/A1.01

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DRAWING REVISIONS

No.	Description	Date
1	Revision 1	10/22/2025

DRAWN BY: HT, MU
CHECKED BY: CW

SHEET
A4.01

Date: OCTOBER 2025
Project No.: 25-WM0015
File Name:

DESCRIPTION:
REFLECTED CEILING PLAN & FLOOR PATTERN PLAN