

ADDENDUM #2

August 25, 2025

**CRAWFORDSVILLE READINESS CENTER MODERNIZATION
INDIANA NATIONAL GUARD
CRAWFORDSVILLE, INDIANA**

Invitation to Bid #:

IFB NO: MDI-SAB-26-B-013

Prepared by:

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TO: ALL INTERESTED BIDDERS OF RECORD

This Addendum #1 forms part of the Contract Documents and modifies the original Bidding Documents dated July 31, 2026. Failure to acknowledge receipt of this addendum may subject Bidder to disqualification.

CLARIFICATIONS / GENERAL INFORMATION

1. The Addendum #1 files initially issued on 8/20/26 included "Addendum #2" in the file name. The file names were corrected by Reprographix on the morning of 8/21/26. There was no change to the content of the files.

CHANGES TO THE DRAWINGS

1. Sheet LS101 – FIRE & LIFE SAFETY PLAN
 - a. Revise Door 110B swing direction.
 - b. Add dimension between exit doors and identify the diagonal distance of the drill floor.
2. Sheet A101 – FIRST FLOR PLAN – SOUTH
 - a. Revise Door 110B swing direction.
 - b. Add door tags as indicated.
 - c. Revise Sheet Note 9 to indicate "MANUAL" roller shades.
 - d. Add Sheet Notes 19 & 20.
3. Sheet A360 WALL ASSEMBLIES
 - a. Revise Keynotes as indicated
 - b. Add Details
4. Sheet A601 – DOOR SCHEDULE AND DETAILS
 - a. Add hardware sets.
 - b. Revise door elevations as indicated.
 - c. Revise door schedule notes as indicated.
 - d. Add schedule for doors to receive new hardware and signage only.
5. Sheet M101 – FIRST FLOOR AIR DISTRIBUTION PLAN - MECHANICAL
 - a. Drawing to be reissued in its entirety.
 - b. Various air terminal and ductwork routing modifications.
 - c. Transfer Air for Restrooms have been removed. Restroom Doors will have an integral louver.

6. Sheet ES101 – SITE ELECTRICAL PLAN
 - a. Updated location of transformer and meter.
7. Sheet EL101 – FIRST FLOOR LIGHTING PLAN
 - a. Revised location of timeclock from Boiler Room 140 to Mech Rm 111.
8. Sheet EP101 – FIRST FLOOR POWER PLAN
 - a. Added and modified keynotes.
 - b. Added Unistrut for 'MDS'.
 - c. Added power to door in DRILL FLOOR 120.
 - d. Added power to IT panel in DRILL FLOOR 120 through keynote 7.
 - e. Added panel and circuit information to VO receptacles in HQ PLATOON COMMON AREA 126.
 - f. Removed duplex and added quad receptacle in FITNESS 121.
9. Sheet EP102 – FIRST FLOOR ABOVE CEILING POWER PLAN
 - a. Updated EUH-1 circuit numbers in BOILER ROOM 140.
10. Sheet ET101 – FIRST FLOOR FIRE ALARM PLAN
 - a. Modified smoke detector layout in DRILL FLOOR 120.
 - b. Added smoke detector in SHOWER 137.
 - c. Added smoke detectors in BOILER ROOM 140.
11. Sheet E601 – LIGHTING SCHEDULES
 - a. LIGHTING FIXTURE SCHEDULE – EXTERIOR BASE BID
 - i. Revised schedule for fixtures to include a motion sensor.
 - ii. Added equal manufacturer information.
 - b. LIGHTING CONTROL SEQUENCE
 - i. Revised/Clarified exterior lighting control intent.
12. Sheet E602 – ELECTRICAL SCHEDULES
 - a. Modified 'MDP' from MCB to MLO.
 - b. Updated load information for CH-1.
 - c. Updated information for mechanical equipment in EQUIPMENT ELECTRICAL CONNECTIONS schedule.
13. Sheet E603 – ELECTRICAL SCHEDULES
 - a. Modified and added circuits and circuit breakers in panels 'A', 'B', 'C', and 'D'.
14. Sheet E901 – ONE-LINE DIAGRAM
 - a. Updated FEEDER SCHEDULE.
 - b. Added CH-1 to ONE-LINE DIAGRAM.
 - c. Added meter.
 - d. Added service entrance rating to 'MDS'.
15. Sheet ABI1 S201 - ABI1 Foundation Plan
 - Modify column footing tag at grid B-5
16. Sheet ABI1 A601 - ABI1 Foundation Plan
 - Add hardware sets.
 - Revise door elevations as indicated.
17. Sheet ABI 1 E601 – LIGHTING SCHEDULES
 - a. LIGHTING FIXTURE SCHEDULE – EXTERIOR ABI-1
 - i. Revised schedule for fixtures to include a motion sensor.
 - b. LIGHTING FIXTURE SCHEDULE – INTERIOR ABI-1
 - i. Added equal manufacturer information.
18. Sheet ABI 1 EP101 – FIRST FLOOR POWER PLAN
 - a. Updated FLOOR BOX SCHEDULE.
 - b. Updated floor box in CONFERENCE ROOM 103.
 - c. Removed floor box in CLASSROOM 105 and added quad receptacle.
19. Sheet ABI 1 ET101 – FIRST FLOOR FIRE ALARM PLAN
 - a. Modified smoke detector layout in ENTRY HALL 101 and CLASSROOM 105.

CHANGES TO THE SPECIFICATIONS

1. Replace Specification Section 08 71 13 – Door Hardware, attached, in it's entirety.
2. Add Specification Section 08 71 13 – Automatic Door Operators, attached, to the project manual.

SUBSTITUTION REQUESTS

NO ITEMS NOTED

CONTRACTOR QUESTIONS & RESPONSES:

1. Question: Please confirm that the 100% combination Performance and Labor & Material Payment Bond required by the State Armory Board General Conditions satisfies all surety/fidelity bond requirements contained elsewhere in the Contract Documents. Please also confirm the required duration of the bond following Substantial Completion/Final Acceptance.

Response: **Yes, for the entirety of the project.**
2. Question: Is the main switchboard remaining or is it being replaced along with the new service coming into the building?

Response: **The electrical switchboard and panels will be new.**
3. Question: Is there a lighting control panel that will tie-in to the new photocell that we are providing or is there an existing lighting contactor that we are utilizing?

Response: **There is no need for a lighting control panel. The exterior building mount lighting, flagpole lighting and exterior signage lighting are controlled via astronomic timeclock w/ photocell override. This will require two contactors which can be located next to the panel. This will be clarified in Addendum #2 documents.**
4. Question: Is the EC required to demo-out the existing grounding system and replace it with a new grounding ring?

Response: **Yes, this is part of the contractor's scope of work for this project.**
5. Question: For the new equipment, is the EC to use the existing grounding busbar to tie-in to the equipment? If so, is the grounding busbar located in the boiler room?

Response: **A new grounding bar shall be provided and installed along with the new grounding system.**
6. Question: Is the existing FA system to remain? If so, what is that existing FA system?

- Response:** There is no existing fire alarm system. A new fire alarm system is to be provided and installed as part of the scope of this project.
7. Question: If a new FA system is to be used for this project, is that system to be Honeywell?
- Response:** Yes, the system is to be Honeywell.
8. Question: Does the ACCU-1 unit on the roof need a new electrical connection?
- Response:** Yes, ACCU-1, KEF-1, MAU-1 and other existing mechanical equipment on the roof that will remain will need new power connections.
9. Question: Are any of the VFDs integral with the equipment from the equipment schedule?
- Response:** The VFDs indicated on the schedule are not integral but should be provided by the E.C.
10. Question: From the specs, the only approved manufacturer for the VFDs is ABB. Is there a chance that Square D, Eaton, or Siemens could be approved to provide their VFDs?
- Response:** To meet the specifications provided by the owner, only ABB VFD's are approved.
11. Question: For the lighting control for the dimmer switches, is the control cabling a cat5E cable or does it utilize a different size cable?
- Response:** Cat5e cabling is not required for the lighting controls. The lighting controls are intended to be standalone and are not part of a networked lighting control system.
12. Question: Are the hardware sets getting added to the door schedule?
- Response:** Yes, sets have been added to the schedule. The door hardware specification section will be revised to include the sets and issued in Addendum 3.
13. Question: The footer at CL 5B is called out to be F4, but is drawn as an F5. Should this be F5?
- Response:** Yes, this footer is F5.0. See attached, revised ABI 1 S201.
11. Question: Are the exterior aluminum storefront doors to be thermally-broken or standard 1-3/4" thick entrances?
- Response:** Provide thermally broken doors.
12. Question: For the pieces of glass that they want to incorporate into the new system. Would it be acceptable to glaze the "old glass" on the interior side of the frames w/ a surface applied sash? This would be much cheaper and easier to incorporate the glass into the system. In lieu of trying to glaze it within an insulating glass unit. The new unit would

need to be roughly 1-1/2" thick and cannot be glazed inside any system that has been specified?

Response: **This is acceptable only if a clear, protective film can be applied to meet the safety glazing requirements of IBC Chapter 24.**

13. Question: If unsuitable soils are encountered, will the Owner issue a time-and-materials change order until suitable bearing is reached, or will the Owner include a unit price item in the bid form?

Response: **If unsuitable soils are encountered, the GC will need to provide a report by their testing agency and submit a cost proposal for the work. The Change in Scope will be submitted and approved via the change order process.**

End of Questions & Responses

ATTACHMENTS:

Drawings:

LS101 – FIRE & LIFE SAFETY PLAN
A101 – FIRST FLOOR PLAN – SOUTH
A601 – DOOR SCHEDULE & DETAILS
M101 – FIRST FLOOR AIR DISTRIBUTION PLAN – MECHANICAL
ES101 – SITE ELECTRICAL PLAN
EL101 – FIRST FLOOR LIGHTING PLAN
EP101 – FIRST FLOOR POWER PLAN
EP102 – FIRST FLOOR ABOVE CEILING POWER PLAN
ET101 – FIRST FLOOR FIRE ALARM PLAN
E601 – LIGHTING SCHEDULES
E602 – ELECTRICAL SCHEDULES
E603 – ELECTRICAL SCHEDULES
E901 – ONE-LINE DIAGRAM
ABI 1 S201 – ABI 1 FOUNDATION PLAN
ABI 1 A601 – DOOR SCHEDULE & DETAILS
ABI 1 E601 – LIGHTING SCHEDULES
ABI 1 EP101 – FIRST FLOOR POWER PLAN
ABI 1 ET101 – FIRST FLOOR FIRE ALARM PLAN

Specifications:

08 71 00 – Door Hardware
08 71 13 – Automatic Door Operators

END OF ADDENDUM #2

SECTION 08 71 00 - DOOR HARDWARE

PART 1 GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Hardware for swinging Hollow Metal Door Openings.
 - 2. Field modification and preparation of existing doors and frames for new hardware being installed. Provide fillers, Dutchmen, reinforcements, and fasteners for mounting new hardware and to cover existing door/frame preparations.
- B. Related Sections:
 - 1. Section 01 25 13 – Product Substitution Procedures
 - 2. Section 06 20 00 – Finish Carpentry

1.2 REFERENCES

- A. Use the following references to properly detail, schedule, furnish and install finish hardware items.
 - 1. NFPA 80 – Standard for Fire Doors and Other Opening Protectives (2007)
 - 2. DHI Installation Guide for Doors and Hardware (1984)
 - 3. DHI Sequence and Format for the Hardware Schedule (1996)
 - 4. ANSI/BHMA A156.4 – Door Controls – Closers (2013)
 - 5. ANSI/BHMA A156.2 – Bored and Preamsembled Locks and Latches (2011)
 - 6. ANSI/BHMA A156.18 – Materials and Finishes (2012)

1.3 SUBMITTALS

- A. Schedule:
 - 1. Provide submittals in accordance with 01 33 00 – Submittal Procedures.
 - 2. Provide hardware schedule in vertical format on 8-1/2-inch by 11-inch paper for electronic format. Conform to DHI publication Sequence and Format for Hardware Schedule using Architect's door numbers and hardware set numbers.
- B. Product Data: Provide one set of manufacturer's catalog and technical data for each hardware item used, highlighting design, function, fasteners, accessories, and options to facilitate review with each hardware schedule submitted.
- C. Templates: Provide two sets of manufacturer's templating information for mortised and template hardware upon receipt of approved hardware schedule to the door and frame supplier(s). Include requirements for internal reinforcements required for surface mounted hardware.
- D. Keying Schedule: Arrange meeting with Owner, Architect and finish hardware supplier to determine keying requirements immediately upon receipt of finish hardware schedule.

1.4 CLOSEOUT SUBMITTALS

- A. Furnish operations and maintenance manual in accordance with Section 01 78 28 – Operations and Maintenance Data and as follows:
 - 1. Furnish one copy of manual at date of Substantial Completion in a 2-1/2-inch thick binder labeled with project information, date and name and contact information for the hardware supplier.
 - 2. Include in manual:
 - a. Copy of approved hardware schedule, including door numbers and locations. Highlight fire rated door to aid in annual fire door inspection.
 - b. Copy of approved keying schedule with Owner's sign-off.
 - c. Catalog data for each product.
 - d. Parts list for locksets, exit devices, door closers.
 - e. Installation templates and instructions.

- f. Warranty information.
- g. Name, address, and phone number of local representatives for each manufacturer.

1.5 MAINTENANCE MATERIAL SUBMITTALS

A. Extra Materials:

- 1. Screws and Fasteners: Fifty of each screw and fastener required for general maintenance of hinges, locks, closers, exit devices, and sealing systems.
- 2. Deliver to Owner remaining finish hardware fasteners and special installation tools upon completion of Project.

1.6 QUALITY ASSURANCE

A. Supplier:

- 1. Furnish hardware from recognized supplier who has warehousing facility within 100 miles of project location, and who has actively supplied hardware for similar projects in the vicinity for a minimum of five years.
- 2. Supplier shall employ an Architectural Hardware Consultant (AHC), as certified by Door and Hardware Institute, on staff full time to administer and supervise project.

B. Installer: Install hardware using installers who have actively installed commercial door hardware for a minimum of five years, and are familiar with hardware installation of type required on this Project.

C. Pre-Installation Meeting:

- 1. Prior to installation of hardware, arrange for manufacturer's representatives of locksets, door closers, and exit devices to hold a jobsite meeting to instruct the installing personnel on the proper installation of their products.
- 2. Send a letter of compliance, indicating when this meeting was held, and who was in attendance, to the Architect and Owner.

D. Fire Rated Door Openings:

- 1. Comply with NFPA 80.
- 2. Furnish nationally recognized testing agency label or stamp on hardware for labeled openings.
- 3. Only labeled locks or latches or fire exit hardware can be used on fire rated openings.
- 4. Where UL requirements conflict with Drawings or Specifications, furnish hardware conforming to the UL requirements.

1.7 DELIVERY, STORAGE, AND HANDLING

A. Delivery:

- 1. Jointly check in hardware, upon delivery to jobsite, against approved hardware schedule with hardware supplier. Record shortage or damage and replace or repair as necessary.
- 2. Deliver hardware to be installed during fabrication of doors and frames, to manufacturer.

B. Storage:

- 1. Store hardware in a secure, dry, temperature controlled room on shelving to protect against loss, theft and damage.
- 2. Store items too long for shelving on pallet, off the floor.

C. Marking and Packaging:

- 1. Deliver hardware to jobsite in manufacturer's original packaging marked to correspond with approved hardware schedule with Architect's door numbers and hardware sets.
- 2. Mark all locksets, exit devices, cylinders, auxiliary hardware and key switches with keyset symbol.
- 3. Replace any wet or damaged packaging with new.

1.8 WARRANTY

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- A. Furnish warranties in accordance with Section 01 78 36 – Warranties. Extended or limited warranties shall be as follows:
1. Furnish minimum ten year factory warranty on door closers, against defects in material and workmanship, from date of substantial completion.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. The following manufacturers' were used in the hardware sets.
- | | | |
|--------------------------|-----------------|-----|
| 1. Hinges | Best | BES |
| 2. Continuous Hinges | Best | BES |
| 3. Locks and Latchsets | Best | BES |
| 4. Cylinders and Cores | Best | BES |
| 5. Surface Closers | dormakaba | DKA |
| 6. Exit Devices | Best (Precision | PRE |
| 7. Overhead Stop/Holders | ABH | AB |
| 8. Flushbolts | ABH | AB |
| 9. Protection Plates | ABH | ABH |
| 10. Wall/Floor Stops | ABH | ABH |
| 11. Gasketing | NGP | NGP |
| 12. Silencers | ABH | ABH |
- B. Or Approved Equal: During Bidding, submit requests for substitution in accordance with Section 00 26 00 "Procurement Substitution Procedures" and as follows:
1. Provide catalog data with product information highlighted or bubbled to facilitate review. Product must meet or exceed level or design intended and/or function established by specified products.
 - a. Exit devices to be independently tested to minimum 10,000,000 cycles.

2.2 MATERIALS

- A. Screws and Fasteners:
1. Provide manufacturer's recommended fasteners of proper type, material and finish.
 2. Provide self-tapping screws for sweeps and stop applied weatherstripping.
 3. Utilize through-bolts for the attachment of door closers and exit devices on non-reinforced doors only. Finish: match door face.
 4. Exposed screw heads: phillips type.
- B. Hinges:
1. Type:
 - a. Five-knuckle, full mortise, ball bearing.
 - b. Furnish heavy weight hinges on heavy doors and doors expected to have high frequency use.
 2. Quantity:
 - a. One pair of hinges for all doors up to 5 feet high. Furnish one additional hinge for every 2'-6" in height or fraction thereof.
 3. Size:
 - a. For 1-3/4-inch thick doors up to 3 feet wide: 4 1/2-inches high
 - b. For 1-3/4-inch thick doors over 3 feet wide: 5-inches high
 - c. For all doors over 1-3/4-inches thick: 5-inches high
 - d. Size in width shall minimally clear door trim.
 4. Application:
 - a. NRP (non-removable pin) at exterior doors and reverse bevel doors with locking hardware.
 - b. Electric hinges: have sufficient number of concealed wires to accommodate electrical function of hardware. Furnish junction box and mortar shield.
 5. Acceptable manufacturers and types:

Best	Hager	Bommer
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FBB168	BB1279	BB5000
FBB199	BB1168	BB5004

C. Flushbolts:

1. Manual Flushbolts: Two for inactive leaf of locked pairs of door.
2. Automatic Flushbolts: One pair at fire rated doors, and occupied rooms required for egress.
3. Acceptable manufacturers and types:

Bolt/Door Type	ABH	Trimco	Burns
Manual Metal	1855S	3917	590
Automatic Metal	1860P	3810	7842

D. Locksets:

1. Cylindrical Locks:

- a. Conform to ANSI/BHMA A156.2, Series 4000 Operational Grade 1.
- b. Latchbolt with appropriate throw for fire rated doors and pairs of doors in accordance with manufacturers listing.
- c. Lock functions as specified in hardware schedule.
- d. Lever design: 15D
- e. Backset: 2-3/4-inch
- f. Strike single door: ANSI 4-7/8-inch with proper lip length to minimally clear trim.
- g. Strike pair of doors: flat lip strike sized to fit flush with face of door.
- h. Furnish wrought strike box.
- i. Acceptable manufacturers and types:

Best
45H Series

2. Cylinders:

- a. Provide mortise and rim cylinders and cores from same manufacturer as locksets, for all locksets, exit devices, cylinder dogging, key switches and auxiliary hardware.
- b. Appropriate cam and blocking rings for proper installation.

E. Keys & Keying

1. Cylinders: CORMAX, interchangeable core and keyed into an Existing BEST factory registered Masterkey System, "H" Keyway, keyed at the factory.
2. Provide construction cores and keys during construction period. Construction control and operating keys and cores are not part of permanent keying system or furnished on same keyway (or key section) as permanent keying system.
3. Permanent Keys and Cores: Prepare permanent cores and keys in accordance with keying schedule. Provide Masterkeys and other Security Keys.
4. Furnish keys in the following quantities:
 - a. **5** each Masterkeys per new Masterkey set.
 - b. **3** each Change keys each keyed core.
 - c. 6 each Construction Masterkeys.
 - d. 2 each Construction Control keys.
5. Install permanent cores in locksets.
6. Return construction cores to Hardware Supplier.

F. Exit Devices:

1. UL-listed for fire at fire door assemblies, and UL listed for panic at non-rated door assemblies.
2. Size exit devices to proper door width and height.
3. Stainless Steel deadlocking 3/4-inch throw latch bolt.
4. LBR (less bottom rod) where scheduled to eliminate use of floor mounted strikes.
5. Provide fire pins where LBR is schedule on fire rated doors.
6. Cylinders for exit devices with cylinder dogging or locking trim.
7. Strike: as recommended by manufacturer.
8. Lever design: To match lockset trim.
9. Acceptable manufacturers and types:

Best (Precision)	Von Duprin	Sargent
Apex 2000 Series	98 Series	19-GL-80 Series

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G. Surface Door Closers:

1. Conform to ANSI/BHMA A156.4 Grade 1.
2. Heavy duty cast iron or aluminum body closers with built in door stop capability.
3. Furnish manufacturers recommended size, arms and configuration for door and frame application required.
4. Furnish brackets, spacers, support shoes, and plates for complete and proper installation.
5. DA (delayed-action) at toilet room doors and as scheduled.
6. Acceptable manufacturers and types:

dormakaba	LCN	Norton
8900 Series	4040XP Series	7500 Series

H. Protection Plates:

1. Where bottom rail allows, furnish 10-inch high kick plates and 10-inch high mop plates.
2. Material: 0.050-inch thick stainless steel plates with four beveled edges.
3. Countersink screw heads.
4. Width: 2-inch less door width on stop (push) side and 1-inch less door width on face (pull) side.
5. Both sides of doors.
6. Acceptable manufacturer and types:

ABH	Burns	Hiawatha
PP0050	KP50	KP

I. Door Stops:

1. Provide convex, cast, wall stops unless turn piece or push button on lockset handle makes contact with stop. Where contact is made provide concave wall stop.
2. Where wall stops cannot be used, provide universal dome type floor stops of the proper height.
3. Furnish fastener suitable for wall condition.
4. Acceptable manufacturers and types:

Type	ABH	Burns	DCI
Wall-Convex	AB406	560	3200T
Wall-Concave	AB409	565	3201T

J. Gasketing:

1. Gasketing:
 - a. Meeting-stile gasketing required at pairs of doors in smoke partitions.
 - b. Flexible adhesive fire/smoke gasketing at "S" labeled openings.
 - c. Acceptable manufacturers and types:

Type	Pemko	National Guard	Reese
Flexible	PK55	5050 B	638CH
Meeting Stile	S772	5070 CL	792B

K. Silencers:

1. Grey rubber silencers with injector tool.
2. Three silencers at single doors and two silencers at pairs without door seal.
3. Acceptable manufacturers and types:

ABH	Rockwood	Burns
AB608-RKW	608	501

2.3 KEY CONTROL

- A. Key cabinet: wall mounted with one hook for each lock or cylinder plus fifty extra hooks.**
1. One non-removable security tag and one snap-on link duplicate tag per hook.
 2. Furnish tools, instructions sheets and accessories required to complete installation.
 3. Owner/Owner's representative will place keys in cabinet and complete index card furnished with key system.
 4. Acceptable manufacturers:

Lund	Telkee	MMF
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2.4 FINISHES

A.	Conform to ANSI/BHMA A156.18.		
1.	Hinges	626/630	Satin Chrome/Satin Stainless Steel
2.	Locks and Latches	626/630	Satin Chrome/Satin Stainless Steel
3.	Exit Devices	630	Satin Stainless Steel
4.	Door Closers	689	Spray Painted Aluminum
5.	Push/Pulls	630	Satin Stainless Steel
6.	Protection Plates	630	Satin Stainless Steel
7.	Stops and Holders	626	Satin Stainless Steel

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify doors and frames are plumb, square, level and true and free from defects that would prevent proper installation of finish hardware.
- B. Verify frames are securely anchored to floor.
- C. Wash down masonry walls and complete painting and staining of doors and frames prior to installation of hardware.
- D. Verify fire rated openings have fire rating labels attached.
- E. Complete finish flooring at doorways.
- F. Correct conditions that inhibit a proper installation before continuing with work.

3.2 INSTALLATION

- A. Install hardware in compliance with the DHI publication, Installation Guide for Doors and Hardware.
- B. Drill and countersink items not factory prepared for fasteners.
- C. Mount closers on room-side of corridor doors, inside of exterior doors, and stair-side of stairway doors. Use necessary arms, brackets, spacers, and plates to accommodate auxiliary hardware and special applications.
- D. Install fire door assemblies to maintain clearances at door edge to frame and meeting edge of pairs of doors in compliance with NFPA 80, providing 1/8-inch clearance at the hinge edge, lock edge, head and between pairs. Provide maximum 3/4-inch undercut at door bottom. Where panic thresholds are used, undercut door to allow 1/8-inch clearance between door and threshold.
- E. Trim, cut, and notch thresholds and saddles neatly to minimally fit the profile of the door frame. Set thresholds in bed of mastic sealant, forming tight seal between threshold and surface to which set.
- F. Use only fasteners furnished by manufacturer for installation as recommended by manufacturer.
- G. Install blocking material for all wall mounted door stops at height appropriate to contact door trim.
- H. Install weather-strip prior to installation of door closers and exit devices. Do not cut or notch weather-strip.

3.3 FIELD QUALITY CONTROL

- A. Verify doors open and close smoothly without rubbing or catching and have positive latching where scheduled. Verify fire rated doors are installed with clearances in compliance with NFPA 80.

3.4 ADJUSTING AND CLEANING

- A. Upon substantial completion, make final adjustments to door closers and other items of hardware after balance of heating and ventilating equipment to ensure doors close and latch properly.
- B. Clean and polish all exposed hardware surfaces in accordance with manufacturer's recommended procedures.
- C. Clean or repair pencil or tool marks from adjacent surfaces damaged or soiled by work of this Section.
- D. Recycle cardboard boxes and paper products used in packaging and transport of finish hardware.

3.5 PROTECTION

- A. Remove hardware prior to painting or finishing door and frame. Wrap or mask exposed hardware that cannot be removed until date of substantial completion to avoid exposure to paint, solvents, and abuse.
- B. Repair or replace hardware damaged during construction at least two weeks prior to date of substantial completion.

3.6 SCHEDULES

- A. Should items of hardware not definitely specified be required for completion of the Work, furnish such items of type and quality comparable to adjacent hardware and appropriate for service required.
- B. Where items of hardware aren't definitely or correctly specified, are required for completion of the Work, a written statement of such omission, error, or other discrepancy to Architect, prior to date specified for receipt of bids for clarification by addendum; or, furnish such items in the type and quality established by this specification, and appropriate to the service intended.

Hardware Sets

Manufacturer list

ABH	Architectural Builders Hardware
BES	BEST
PRE	BEST (Precision)
DKA	dormakaba Architectural
DKO	dormakaba Automatics
NGP	National Guard Products
RCI	Rutherford Controls Inc

Option list

Code:	Name:
SPA_Arm	SPA
83_Size	83"
NRP_NonRemoveablePin	NRP
475_Platesize	475
630_Finish	630
2908	Key controls lever
2902	Exit only, dummy trim
HingeLine_Best	HingeLine_Best
LBR_LessBottomRod	LBR
VIBE_Option	VIBE

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AF89P_Arm	AF89P
Door_Width_Less_1	Door Width less 1"
MO_Switch	MO
1/4-20_SS_MS/EA_NGP_Anchors	1/4-20 SS MS/EA
SDS_Arm	SDS
14_LeverStyle	14
4908	Key controls lever/knob
IS_Arm	IS
AL_Finish	AL
H_and_J_NGP_Gasketing_Length	Head and jamb (2)
0_CoreHousing	0
2_Function	2
3_Backset	3
AT_Function	AT
HP_Verbiage	Handicap Symbol, Push to Open
4_Function	4
689	689
7_CoreHousing	7
A_NGP_Finish	A
4.5x4.5_Size	4.5"X4.5"
D	D
FL_DevicePrefix	FL
Door_Width_Less_2	Door Width less 2"
H_TrimStyle	H
CORMAX_CoreType	CORMAX
7_Protection_Plate_Height	7"
DoorCloserLine_DKA	DoorCloserLine_DKA
L_Function	L
N_Function	N
FHP_Arm	FHP
3_NGP_Length	3'0"
R_Function	R
652_Finish	652
S_Threshold_Insert	S
CSK_Protection_Plate_Option	CSK
7_NGP_Length	7'0"
LockLine_BestMortiselock	LockLine_BestMortiselock
CD_DeviceSuffix	CD
10_Protection_Plate_Height	10"
Cont_HingeLine	Cont_HingeLine
Specification	Specification
8_Height	8'
5x4.5_Size	5"x4.5"
LockLine_BestCylinder	LockLine_BestCylinder
ExitDeviceLine_Precision	Precision Exit Device
Lockline_BestCylDeadbolt	Lockline_BestCylDeadbolt
6_NGP_Length	6'0"

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626_Finish

626

Finish list

Code:

689

AL

626

US26D

630

US28

US32D

Grey

Name:

Aluminum

Anodized Aluminum

Chromium plated, satin

Satin Chrome

Stainless steel metal, satin

Clear Anodized Aluminum

Satin Stainless Steel

Grey

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Set #001 - ALD EXTERIOR PAIR

Doors: 100A

2.0	Continuous Hinge	661 HD UL	BLK	BES
1.0	Exit Device	2608 CD 2908D	630	PRE
1.0	Exit Device	2602 CD 2902D	630	PRE
3.0	Mortise Cylinder	1E7 4 CORMAX	626	BES
2.0	Concealed Overhead Stop	910S	689	DKA
2.0	Automatic Operator	By section 087113		DKO
1.0	Threshold	896 1/4-20_SS_MS/EA		NGP
2.0	Sweep	200SA	A	NGP
2.0	Actuator	946HP475 MO	630	RCI

NOTE: GASKETING BY DOOR AND FRAME SUPPLIER.

Set #002 - ALD EXTERIOR

Doors: 100B

1.0	Continuous Hinge	661 HD UL	BLK	BES
1.0	Exit Device	2408 2908D	630	PRE
1.0	Mortise Cylinder	1E7 4 CORMAX	626	BES
1.0	Door Closer	8916 SPA	689	DKA
1.0	Concealed Overhead Stop	910S	689	DKA
1.0	Threshold	896 1/4-20_SS_MS/EA		NGP
1.0	Sweep	200SA	A	NGP

NOTE: GASKETING BY DOOR AND FRAME SUPPLIER.

Set #003 - HMD EXTERIOR PAIR

Doors: 120A, 120B

6.0	Hinge	FBB199 4.5x4.5 NRP	630	BES
1.0	Removeable Mullion	KR822	689	PRE
1.0	Exit Device	2108 4908D	630	PRE
1.0	Exit Device	2102 4902D	630	PRE
2.0	Rim Cylinder	12E7 2 CORMAX	626	BES
2.0	Door Closer	8916 SPA	689	DKA
2.0	Concealed Overhead Stop	910S	689	DKA
2.0	Kick Plate	PP0050 10" X Door Width less 1" B4E CSK	630	ABH
1.0	Astragal	9115A (SET)	A	NGP
1.0	Threshold	896 1/4-20_SS_MS/EA		NGP
1.0	Gasketing	700SA HEAD & JAMBS		NGP

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2.0	Sweep	200SA	A	NGP
1.0	Drip Cap	16A 6+4" ODW	A	NGP

Set #004 - HMD EXTERIOR PAIR

Doors: 115B

6.0	Hinge	FBB199 4.5x4.5 NRP	630	BES
2.0	Flushbolt	1855S	US32D	ABH
1.0	Dust Proof Strike	1870	US32D	ABH
1.0	Storeroom Lock	45H 7 D 14 H CORMAX	630	BES
2.0	Door Closer	8916 SPA	689	DKA
1.0	Concealed Overhead Stop/Holder	910H	689	DKA
2.0	Kick Plate	PP0050 10" X Door Width less 1" B4E CSK	630	ABH
1.0	Astragal	9115A (SET)	A	NGP
1.0	Threshold	896 1/4-20_SS_MS/EA		NGP
1.0	Gasketing	700SA HEAD & JAMBS		NGP
2.0	Sweep	200SA	A	NGP
1.0	Drip Cap	16A 6+4" ODW	A	NGP

Set #005 - HMD EXTERIOR

Doors: 129B

3.0	Hinge	FBB199 5x4.5 NRP	630	BES
1.0	Exit Device	2101	630	PRE
1.0	Door Closer	8916 SPA	689	DKA
1.0	Concealed Overhead Stop	910S	689	DKA
1.0	Kick Plate	PP0050 10" X Door Width less 1" B4E CSK	630	ABH
1.0	Threshold	896 1/4-20_SS_MS/EA		NGP
1.0	Gasketing	700SA HEAD & JAMBS		NGP
1.0	Sweep	200SA	A	NGP
1.0	Drip Cap	16A 6+4" ODW	A	NGP

Set #006 - ALD PAIR EXIT DEVICES/OPERATORS

Doors: 100C

2.0	Continuous Hinge	661 HD UL	AL	BES
1.0	Exit Device	2602 CD 2902D	630	PRE
1.0	Exit Device	2608 CD 2908D	630	PRE
3.0	Mortise Cylinder	1E7 4 CORMAX	626	BES
2.0	Concealed Overhead Stop	910S	689	DKA
2.0	Automatic Operator	By section 087113		DKO
2.0	Actuator	946HP475 MO	630	RCI

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NOTE: GASKETING BY DOOR AND FRAME SUPPLIER.

Set #007 - WD UL PAIR CLASSROOM LOCKSET/AUTO FLUSH BOLTS

Doors: 121

6.0	Hinge	FBB168 4.5x4.5	652	BES
2.0	Flushbolt	1862S	US26D	ABH
1.0	Dust Proof Strike	1870	US26D	ABH
1.0	Classroom Lock	45H 7 R 14 H CORMAX	626	BES
1.0	Coordinator	3700	US28	ABH
2.0	Mounting Bracket	3751/3752	US28	ABH
2.0	Door Closer	8916 IS	689	DKA
2.0	Kick Plate	PP0050 10" X Door Width less 1" B4E CSK	630	ABH
1.0	Gasketing	5050 B HEAD & JAMBS		NGP
1.0	Door Edge Seal	5070CL		NGP
2.0	Mop Plate	PP0050 10" X Door Width less 1" B4E CSK	630	ABH

Set #008 - WD UL PAIR STOREROOM LOCKSET/FLUSH BOLTS

Doors: 117, 118, 119

6.0	Hinge	FBB168 4.5x4.5 NRP	652	BES
2.0	Flushbolt	1855S	US26D	ABH
1.0	Dust Proof Strike	1870	US26D	ABH
1.0	Storeroom Lock	45H 7 D 14 H CORMAX	626	BES
1.0	Door Closer	8916 AF89P	689	DKA
2.0	Kick Plate	PP0050 10" X Door Width less 1" B4E CSK	630	ABH
2.0	Wall Stop	AB406/AB409	626	ABH
1.0	Gasketing	5050 B HEAD & JAMBS		NGP
1.0	Door Edge Seal	5070CL		NGP
2.0	Mop Plate	PP0050 10" X Door Width less 1" B4E CSK	630	ABH

Set #009 - WD UL PAIR STOREROOM LOCKSET/FLUSH BOLTS

Doors: 116

6.0	Hinge	FBB168 4.5x4.5 NRP	652	BES
2.0	Flushbolt	1855S	US26D	ABH
1.0	Dust Proof Strike	1870	US26D	ABH
1.0	Storeroom Lock	45H 7 D 14 H CORMAX	626	BES
1.0	Door Closer	8916 SDS	689	DKA
2.0	Kick Plate	PP0050 10" X Door Width less 1" B4E CSK	630	ABH
1.0	Wall Stop	AB406/AB409	626	ABH
1.0	Gasketing	5050 B HEAD & JAMBS		NGP
1.0	Door Edge Seal	5070CL		NGP
2.0	Mop Plate	PP0050 10" X Door Width less 1" B4E CSK	630	ABH

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**Set #010 - WD UL UNEQUAL PAIR STOREROOM LOCKSET/FLUSH BOLTS
Doors: 115A**

6.0	Hinge	FBB168 4.5x4.5 NRP	652	BES
2.0	Flushbolt	1855S	US26D	ABH
1.0	Dust Proof Strike	1870	US26D	ABH
1.0	Classroom Lock	45H 7 R 14 H CORMAX	626	BES
1.0	Door Closer	8916 SDS	689	DKA
2.0	Kick Plate	PP0050 10" X Door Width less 1" B4E CSK	630	ABH
2.0	Wall Stop	AB406/AB409	626	ABH
1.0	Gasketing	5050 B HEAD & JAMBS		NGP
1.0	Door Edge Seal	5070CL		NGP
2.0	Mop Plate	PP0050 10" X Door Width less 1" B4E CSK	630	ABH

**Set #011 - WD UL UNEQUAL PAIR OFFICE LOCKSET/AUTO FLUSH BOLTS
Doors: 123**

6.0	Hinge	FBB168 4.5x4.5 NRP	652	BES
2.0	Flushbolt	1862S	US26D	ABH
1.0	Dust Proof Strike	1870	US26D	ABH
1.0	Classroom Lock	45H 7 R 14 H CORMAX	626	BES
1.0	Coordinator	3700	US28	ABH
2.0	Mounting Bracket	3751/3752	US28	ABH
2.0	Door Closer	8916 AF89P	689	DKA
2.0	Kick Plate	PP0050 10" X Door Width less 1" B4E CSK	630	ABH
2.0	Wall Stop	AB406/AB409	626	ABH
1.0	Gasketing	5050 B HEAD & JAMBS		NGP
1.0	Door Edge Seal	5070CL		NGP
2.0	Mop Plate	PP0050 10" X Door Width less 1" B4E CSK	630	ABH

**Set #012 - WD PAIR STOREROOM LOCKSET/FLUSH BOLTS
Doors: 104**

6.0	Hinge	FBB168 4.5x4.5 NRP	652	BES
2.0	Flushbolt	1857S	US26D	ABH
1.0	Dust Proof Strike	1870	US26D	ABH
1.0	Storeroom Lock	45H 7 D 14 H CORMAX	626	BES
1.0	Overhead Stop	900S	689	DKA
1.0	Wall Stop	AB406/AB409	626	ABH
2.0	Silencers	AB608-RKW	Grey	ABH

**Set #013 - ALD UL PAIR EXIT DEVICES
Doors: 110A, 110B**

2.0	Continuous Hinge	661 HD UL	AL	BES
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1.0	Exit Device	FL 2602 2902D LBR	630	PRE
1.0	Exit Device	FL 2608 2908D LBR	630	PRE
1.0	Mortise Cylinder	1E7 4 CORMAX	626	BES
1.0	Door Closer	8916 AF89P	689	DKA
1.0	Door Closer	8916 IS	689	DKA
1.0	Wall Stop	AB406/AB409	626	ABH

NOTE: GASKETING BY DOOR AND FRAME SUPPLIER. VERIFY DOOR SWING.

Set #014 - ALD UL EXIT DEVICE

Doors: 105A, 105B

1.0	Continuous Hinge	661 HD UL	AL	BES
1.0	Exit Device	FL 2408 2908D	630	PRE
1.0	Mortise Cylinder	1E7 4 CORMAX	626	BES
1.0	Door Closer	8916 SDS	689	DKA

NOTE: GASKETING BY DOOR AND FRAME SUPPLIER.

Set #015 - VAULT DOOR

Doors: 113

NOTE: ALL HARDWARE BY DOOR AND FRAME SUPPLIER.

Set #016 - WD UL CLASSROOM LOCKSET

Doors: 106

3.0	Hinge	FBB168 4.5x4.5	652	BES
1.0	Classroom Lock	45H 7 R 14 H CORMAX	626	BES
1.0	Door Closer	8916 AF89P	689	DKA
1.0	Kick Plate	PP0050 10" X Door Width less 2" B4E CSK	630	ABH
1.0	Wall Stop	AB406/AB409	626	ABH
1.0	Gasketing	5050 B HEAD & JAMBS		NGP
1.0	Mop Plate	PP0050 10" X Door Width less 1" B4E CSK	630	ABH

Set #017 - WD UL STOREROOM LOCKSET

Doors: 129A

3.0	Hinge	FBB168 4.5x4.5	652	BES
1.0	Storeroom Lock	45H 7 D 14 H CORMAX	626	BES
1.0	Door Closer	8916 AF89P	689	DKA
1.0	Kick Plate	PP0050 10" X Door Width less 2" B4E CSK	630	ABH
1.0	Wall Stop	AB406/AB409	626	ABH
1.0	Gasketing	5050 B HEAD & JAMBS		NGP

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1.0 Mop Plate	PP0050 10" X Door Width less 1" B4E CSK	630	ABH
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Set #018 - WD UL OFFICE LOCKSET

Doors: 107, 108

3.0 Hinge	FBB168 4.5x4.5	652	BES
1.0 Office Lock	45H 7 AT 14 H CORMAX	626	BES
1.0 Door Closer	8916 AF89P	689	DKA
1.0 Kick Plate	PP0050 10" X Door Width less 2" B4E CSK	630	ABH
1.0 Wall Stop	AB406/AB409	626	ABH
1.0 Gasketing	5050 B HEAD & JAMBS		NGP
1.0 Mop Plate	PP0050 10" X Door Width less 1" B4E CSK	630	ABH

Set #019 - WD UL OFFICE LOCKSET

Doors: 109, 126

3.0 Hinge	FBB168 4.5x4.5	652	BES
1.0 Office Lock	45H 7 AT 14 H CORMAX	626	BES
1.0 Door Closer	8916 IS	689	DKA
1.0 Kick Plate	PP0050 10" X Door Width less 2" B4E CSK	630	ABH
1.0 Gasketing	5050 B HEAD & JAMBS		NGP
1.0 Mop Plate	PP0050 10" X Door Width less 1" B4E CSK	630	ABH

Set #020 - WD CLASSROOM LOCKSET

Doors: 139A

3.0 Hinge	FBB168 4.5x4.5	652	BES
1.0 Classroom Lock	45H 7 R 14 H CORMAX	626	BES
1.0 Door Closer	8916 FHP	689	DKA
1.0 Kick Plate	PP0050 10" X Door Width less 2" B4E CSK	630	ABH
1.0 Wall Stop	AB406/AB409	626	ABH
3.0 Silencers	AB608-RKW	Grey	ABH
1.0 Mop Plate	PP0050 10" X Door Width less 1" B4E CSK	630	ABH

Set #021 - WD STOREROOM LOCKSET

Doors: 112

3.0 Hinge	FBB168 4.5x4.5	652	BES
1.0 Storeroom Lock	45H 7 D 14 H CORMAX	626	BES
1.0 Door Closer	8916 FHP	689	DKA
1.0 Kick Plate	PP0050 10" X Door Width less 2" B4E CSK	630	ABH
1.0 Wall Stop	AB406/AB409	626	ABH
3.0 Silencers	AB608-RKW	Grey	ABH

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1.0 Mop Plate	PP0050 10" X Door Width less 1" B4E CSK	630	ABH
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Set #022 - WD STOREROOM LOCKSET

Doors: 132, 133

3.0 Hinge	FBF168 4.5x4.5 NRP	652	BES
1.0 Storeroom Lock	45H 7 D 14 H CORMAX	626	BES
1.0 Door Closer	8916 FHP	689	DKA
1.0 Kick Plate	PP0050 10" X Door Width less 2" B4E CSK	630	ABH
1.0 Wall Stop	AB406/AB409	626	ABH
3.0 Silencers	AB608-RKW	Grey	ABH
1.0 Mop Plate	PP0050 10" X Door Width less 1" B4E CSK	630	ABH

Set #023 - WD STOREROOM LOCKSET/EXISTING FRAME

Doors: 140

3.0 Hinge	FBF168 4.5x4.5 NRP	652	BES
1.0 Storeroom Lock	45H 7 D 14 H CORMAX	626	BES
1.0 Door Closer	8916 FHP	689	DKA
1.0 Kick Plate	PP0050 10" X Door Width less 2" B4E CSK	630	ABH
1.0 Wall Stop	AB406/AB409	626	ABH
1.0 Mop Plate	PP0050 10" X Door Width less 1" B4E CSK	630	ABH

NOTE: GC TO VERIFY OPENING SIZE. GC TO VERIFY EXISTING FRAME IS IN GOOD WORKING CONDITION AND CODE COMPLIANT. GC IS RESPONSIBLE FOR ALL PREPS REQUIRED FOR NEW HARDWARE.

Set #024 - WD STOREROOM LOCKSET

Doors: 111

3.0 Hinge	FBF168 4.5x4.5	652	BES
1.0 Storeroom Lock	45H 7 D 14 H CORMAX	626	BES
1.0 Door Closer	8916 IS	689	DKA
1.0 Concealed Overhead Stop/Holder	910H	689	DKA
1.0 Kick Plate	PP0050 10" X Door Width less 2" B4E CSK	630	ABH
3.0 Silencers	AB608-RKW	Grey	ABH
1.0 Mop Plate	PP0050 10" X Door Width less 1" B4E CSK	630	ABH

Set #025 - WD OFFICE LOCKSET

Doors: 114, 124, 125, 127, 128

3.0 Hinge	FBF168 4.5x4.5	652	BES
1.0 Office Lock	45H 7 AT 14 H CORMAX	626	BES

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1.0	Wall Stop	AB406/AB409	626	ABH
3.0	Silencers	AB608-RKW	Grey	ABH

Set #026 - WD OFFICE LOCKSET

Doors: 101

3.0	Hinge	FBB168 4.5x4.5	652	BES
1.0	Office Lock	45H 7 AT 14 H CORMAX	626	BES
1.0	Door Closer	8916 IS	689	DKA
1.0	Concealed Overhead Stop/Holder	910H	689	DKA
1.0	Kick Plate	PP0050 10" X Door Width less 2" B4E CSK	630	ABH
3.0	Silencers	AB608-RKW	Grey	ABH
1.0	Mop Plate	PP0050 10" X Door Width less 1" B4E CSK	630	ABH

Set #027 - WD INDICATOR PRIVACY SET/CLASSROOM DEADBOLT

Doors: 131

3.0	Hinge	FBB168 4.5x4.5	652	BES
1.0	Classroom Deadbolt	8T 3 7 S CORMAX	626	BES
1.0	Indicator Privacy Set	45H 0 L 14 H VIBE	626	BES
1.0	Door Closer	8916 AF89P	689	DKA
1.0	Kick Plate	PP0050 10" X Door Width less 2" B4E CSK	630	ABH
1.0	Wall Stop	AB406/AB409	626	ABH
3.0	Silencers	AB608-RKW	Grey	ABH
1.0	Mop Plate	PP0050 10" X Door Width less 1" B4E CSK	630	ABH

Set #028 - WD PUSH-PULL

Doors: 134

3.0	Hinge	FBB168 4.5x4.5	652	BES
1.0	Door Closer	8916 AF89P	689	DKA
1.0	Kick Plate	PP0050 10" X Door Width less 2" B4E CSK	630	ABH
1.0	Wall Stop	AB406/AB409	626	ABH
3.0	Silencers	AB608-RKW	Grey	ABH
1.0	Mop Plate	PP0050 10" X Door Width less 1" B4E CSK	630	ABH
1.0	Push Plate	AB70C-RKW	US32D	ABH
1.0	Pull Plate	AB107 x AB70C	US32D	ABH

Set #029 - WD PUSH-PULL; EXISTING FRAME

Doors: 130

3.0	Hinge	FBB168 4.5x4.5 NRP	652	BES
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1.0	Door Closer	8916 AF89P	689	DKA
1.0	Kick Plate	PP0050 10" X Door Width less 2" B4E CSK	630	ABH
1.0	Wall Stop	AB406/AB409	626	ABH
3.0	Silencers	AB608-RKW	Grey	ABH
1.0	Pull Plate	AB107 x AB70C	US32D	ABH
1.0	Push Plate	AB70C-RKW	US32D	ABH
1.0	Mop Plate	PP0050 10" X Door Width less 1" B4E CSK	630	ABH

NOTE: GC TO VERIFY OPENING SIZE. GC TO VERIFY EXISTING FRAME IS IN GOOD WORKING ORDER AND CODE COMPLIANT. GC IS RESPONSIBLE FOR ALL PREPS REQUIRED FOR NEW HARDWARE.

**Set #030 - ALD OFFICE LOCKSET
Doors: 102**

1.0	Continuous Hinge	661 HD UL	AL	BES
1.0	Office Lock	45H 7 AT 14 H CORMAX	626	BES
1.0	Door Closer	8916 IS	689	DKA
1.0	Concealed Overhead Stop/Holder	910H	689	DKA

NOTE: GASKETING BY DOOR AND FRAME SUPPLIER.

**Set #031 - ALD PASSAGE SET
Doors: 103**

1.0	Continuous Hinge	661 HD UL	AL	BES
1.0	Passage Set	45H 0 N 14 H	626	BES
1.0	Concealed Overhead Stop	910S	689	DKA

NOTE: GASKETING BY DOOR AND FRAME SUPPLIER.

**Set #032 - CASED OPENING/NO HARDWARE REQUIRED
Doors: 122**

**Set #033 – WIRE MESH PARTITIONS, STORAGE
Doors: 115 (5), 138, 138A**

1.0	SFIC Core Only	1CM-7	626	BES
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Set #034 – REMOVE HASP – ADD DEADBOLT
Doors: 136

1.0 Classroom Deadbolt	8T 3 7 S CORMAX	626	BES
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NOTE: REMOVE HASP AND TOUCHUP FRAME. GC IS RESPONSIBLE FOR ALL PREPS REQUIRED FOR NEW HARDWARE.

Set #035 – NEW MORTISE CYLINDER/CORE
Doors: 139B, 140B

1.0 Mortise Cylinder	1E7 4 CORMAX	626	BES
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END OF SECTION

SECTION 08 71 13 – AUTOMATIC DOOR OPERATORS

PART 1 GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This section includes the following types of automatic door operators:
 - 1. Low-energy door operators for swinging doors.
- B. Related Sections:
 - 1. Division 7 Sections for caulking to the extent not specified in this section.
 - 2. Division 8 Sections for "Aluminum-Framed Entrances and Storefronts" for entrances furnished and installed separately in Division 8 Section.
 - 3. Division 8 Section "Door Hardware" for hardware to the extent not specified in this section.
 - 4. Division 8 Section "Glazing" for materials and installation requirements of glazing for automatic entrances.
 - 5. Division 26 and 28 Sections for electrical connections including conduit and wiring for automatic entrance operators and access-control devices.

1.3 REFERENCES

- A. References: Comply with the version year adopted by the Authority Having Jurisdiction.
 - 1. ANSI A117.1 - Accessible and Usable Buildings and Facilities.
 - 2. ICC/IBC - International Building Code.
 - 3. CUL – Approved for use in Canada.
 - 4. NFPA 70 - National Electrical Code.
 - 5. NFPA 80 - Fire Doors and Windows.
 - 6. NFPA 101 - Life Safety Code.
 - 7. NFPA 105 - Installation of Smoke Door Assemblies.
- B. American National Standards Institute (ANSI) / Builders Hardware Manufacturers Association (BHMA).
 - 1. ANSI/BHMA A156.19 Standards for Power Assist and Low Energy Power Operated Doors.
- C. Underwriters Laboratories (UL).
 - 1. UL10C – Positive Pressure Fire Tests of Door Assemblies.
 - 2. UL 325 - Standard for Safety for Door, Drapery, Gate, Louver, and Window Operators and Systems.
- D. American Association of Automatic Door Manufacturers (AAADM).
- E. American Society for Testing and Materials (ASTM).
 - 1. ASTM B221 Standard Specification for Aluminum and Aluminum Alloy Extruded Bars, Rods, Wire, Profiles and Tubes.
 - 2. ASTM B209 Standard Specification for Aluminum and Aluminum Alloy Sheet and Plate.

- F. American Architectural Manufacturers Association (AAMA).
 - 1. AAMA 611 Voluntary Specification for Anodized Architectural Aluminum.
- G. National Association of Architectural Metal Manufacturers (NAAMM).
 - 1. Metal Finishes Manual for Architectural Metal Products.
- H. International Code Council (IBC).
 - 1. IBC: International Building Code Building Code.

1.4 DEFINITIONS

- A. Activation device: Device that, when actuated, sends an electrical signal to the door operator to initiate the door operation.
- B. Monitored Safety Devices: A tested system that works in conjunction with the automatic door control that detects the presence of a person or an object within a zone where contact could occur and provides a signal to stop the movement of the door.
- C. AAADM: American Association of Automatic Door Manufacturers.
- D. Operating ambient Temperature Range: 5 Degrees F to plus 122 degrees F (minus 15 C to 50 degrees C).
- E. For automatic door terminology, refer to ANSI/BHMA A 156.19 for definitions of terms.

1.5 PERFORMANCE REQUIREMENTS

- A. General: Provide automatic doors that have been designed and fabricated to comply with specified performance requirements, as demonstrated by testing manufacturers corresponding systems.
- B. Compliance:
 - 1. ICC/IBC International Building Code
 - 2. ANSI/BHMA A 156.19 American National Standard for Power Operated Doors Pedestrian Doors.
 - 3. UL 325 Listed
 - 4. NFPA 70 National Electrical Code.
 - 5. NFPA 101 Life Safety Code
 - 6. CUL Approved for use in Canada
 - 7. UL Listed Fire Door Operator with Automatic Closer
- C. Automatic Door equipment accommodates medium to heavy pedestrian traffic.
- D. Opening Force Requirements:
 - 1. Power-Operated swinging doors shall open with a manual force not to exceed 30 lbf (133N) to set the door in motion and 15 lbf to fully open the door with force applied at 1" (25mm) from the latched edge of the door. The required force to prevent a stopped door from opening or closing shall to exceed 15 lbf (67N) measured 1" (25mm) from the latch edge of the door at any point during the opening or closing.
- E. Closing Time:
 - 1. Door operators shall be field adjustable to close 90 degrees to 10 degrees in 3 seconds or longer per ANSI/BHMA A 156.19 standard.

2. Door shall be field adjusted to close from 10 degrees to fully closed position in not less than 1.5 seconds.

1.6 SUBMITTALS

- A. Comply with Division 01 – Submittal Procedures.
- B. Product Data: Manufacturer's product data sheets including installation details, material descriptions, dimensions of individual components and profiles fabrication, operational descriptions and finishes.
- C. Shop Drawings: For automatic entrances. Include plans, elevations, sections, details, hardware mounting heights, additional accessories and attachments to other work.
- D. Samples: color samples of exposed finish as required.
- E. Informational Submittals: Manufacturers product information and applicable sustainability program credits that are available towards a LEED rated product certification.
 1. Credit MR 4.1 and 4.2: Manufacture's or fabricator's certificate indicating percentage of post-consumer recycled content by weight and pre-consumer recycled content by weight for each product specified under this section.
- F. Manufacturers Field Reports: Submit manufacturer's field reports from AAADM certified technician of inspection and approval of doors for compliance with ANSI/BHMA A 156.19 after completion of installation.
- G. Operating and Maintenance Manuals: Provide manufacturers operating, owners and maintenance manuals for each item specified as required in Division 01, Closeout Submittals.

1.7 QUALITY ASSURANCE

- A. Manufacturer Qualifications: 10 years minimum of documented experience in manufacturing door equipment similar to that indicated within this specification with a proven record of successful service performance. A manufacturer with company certificate issued by AAADM.
- B. Installer Qualifications: Installers, trained by the primary product manufacturers, with a minimum 5 years documented experience installing and maintenance of units similar in material, design, and extent to that indicated in this specification and whose work has resulted in construction with a record of successful in-service performance. Manufacturer's authorized representative who is trained and approved for installation and maintenance of units by AAADM required for this Project
- C. Source Limitations for Automatic Operators: Obtain each type of automatic door operator and sensor components specified in this section from single source from single manufacturer.
- D. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.
- E. Power-Operated Door Standard: ANSI/BHMA A 156.19 Current year.
- F. Emergency-Exit Door Requirements: Comply with requirements of authorities having jurisdiction for automatic entrances serving as a required means of egress.

1.8 PROJECT CONDITIONS

- A. Field Measurements: Verify actual dimensions of openings to receive automatic entrances by field measurements before fabrication.

1.9 COORDINATION

- A. Coordinate door operators with doors, frames, and related work to ensure proper size, thickness, hand, function, and finish. Coordinate hardware for automatic entrances with hardware required for rest of project.
- B. Electrical System Roughing-in: Coordinate layout and installation of automatic power door operator with connections to power supplies and access-control system.

1.10 WARRANTY

- A. Automatic Door Operators to be free of defects in material and workmanship for a period of One (1) year from the date of substantial completion.
- B. During the warranty period a factory trained technician shall preform service and affect repairs. A safety inspection shall be performed after each adjustment or repair and a completed inspection form submitted to the owner.
- C. During the warranty period all warranty work shall be performed during normal working hours.

PART 2 - PRODUCTS

2.1 MANUFACTURER

- A. dormakaba • Reamstown, PA • 1-844-SPEC-NOW (1-844-773-2669) • Website: www.dormakaba.us • Email: specnow@dorma.com
- B. Substitutions: Requests for substitution and product approval in compliance with the specification must be submitted in writing and in accordance with the procedures outlined in Division 1, Section "Substitution Procedures". Approval of requests is at the discretion of the architect, owner, and their designated consultants.

2.2 AUTOMATIC SWING DOOR OPERATOR

- A. Model: DORMA, ED Series ED250 (Basis of Design) An Integrated, self-learning automatic swing door operator with an advanced CPU, a multistage gearbox with real time adaptive software and available user interface.
 - 1. Automatic Door Configuration:
 - a. Configuration: Single swing door or pair of doors swinging.
 - b. Traffic Pattern: As shown on drawings.
 - c. Mounting: Surface applied
- B. Control Features
 - 1. Power-hold Close
 - 2. Built in Lock Delay
 - 3. On-Off-Hold Open switch control to control door function, (Automatic-Hold Open- Exit Only)

4. On-Off Power Switch
5. Fire Alarm Integration
6. Field Adjustable Handing
7. Push and Go
8. Power Assist Opening Activation
9. Intergraded Connections for Monitored Safety Sensors and other accessories.
10. Integrated access control

C. Door Control Features

1. Wind Load and Stack Pressure microprocessor monitored with power boost to ensure secure opening and closing in changing conditions.
2. Door Weight Max: 600 lbs.

D. Header Size: Narrow header at 4" height by 6" depth

2.3 ACTIVATION DEVICES

A. Activation Device:

1. Push Plate: Hard wired, 4-3/4 inch square stainless steel push plate engraved with "Push to Open" with a handicap logo.

2.4 ELECTRICAL

- A. Electrical 115 V AC +/- 10% 50/60 Hz 6.6 A max.

2.5 ALUMINUM FINISHES

- A. Comply with NAAMM's "Metal Finishes Manual for Architectural and Metal Products" for recommendations for applying and designating finishes.

B. Anodized Finish:

1. Clear Anodic Finish: AAMA 611, AA-M12C22A31, Class II, 0.010 mm.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine doors and frames with Installer present, for compliance with requirements for installation tolerances, wall and floor construction and other conditions affecting performance of automatic entrances.
- B. Examine roughing in for electrical source power to verify actual locations of wiring connections.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

- A. General: Do not install damaged components. Fit frame joints to produce hairline joints free of burrs and distortion. Rigidly secure non-movement joints.

- B. Entrances: Install automatic entrances plumb and true in alignment with established lines and grades without warp or rack of framing members and doors. Anchor securely in place.
 - 1. Install surface-mounted hardware using concealed fasteners to greatest extent possible.
 - 2. Set headers, carrier assemblies, tracks, operating brackets, and guides level and true to location with anchorage for permanent support.
- C. Door Operators: Connect door operators to electrical power distribution system as specified in Division 26 Sections.
- D. Sealants: Comply with requirements specified in Division 07 Section "Joint Sealants" to provide seal between the operator housing and wall surface. installation.
- E. Signage: Apply signage on both sides of each door and each sidelight as required by ANSI/BHMA A 156.19

3.3 FIELD QUALITY CONTROL

- A. Manufacturer's representative shall provide technical assistance and guidance for installation of automatic doors.
 - 1. Factory trained and AAADM certified representative shall test and inspect each automatic door to determine compliance of the installed system to ANSI/BHMA A 156.19

3.4 ADJUSTING

- A. Adjust door operators and controls for smooth and safe operation.

3.5 CLEANING AND PROTECTION

- A. Clean adjacent surfaces soiled by automatic operator installation promptly after installation .

3.6 DEMONSTRATION

- A. Engage a factory authorized representative to train Owner's maintenance personnel to adjust, operate, and maintain safe operation of automatic entrances.

END OF SECTION 087113

BUILDING CODE INFORMATION

APPLICABLE BUILDING CODES:	
GENERAL ADMINISTRATIVE RULES	675 IAC 13-2.6
INDIANA BUILDING CODE (IBC)	2014 (IBC 2012)
ACCESSIBILITY (IBC CHAPTER 11)	ANSI A117.1-2009
INDIANA PLUMBING CODE (IPC)	2012 (IPC 2008)
INDIANA ELECTRICAL CODE (IEC)	2009 (NFPA 70-2008)
INDIANA MECHANICAL CODE (IMC)	2014 (IMC 2012)
INDIANA FIRE CODE	2014 (IFC 2012)
INDIANA ENERGY CONSERV. CODE	2010 (ASHRAE 90.1-2008)
	CLIMATE ZONE: 5

PROJECT DESCRIPTION:
THIS PROJECT INCLUDES RENOVATING 16,943 SF OF AN EXISTING 19,606 SF READINESS CENTER AND PROVIDING A 4,329 SF ADDITION TO PROVIDE MODERNIZED OFFICES AND TRAINING SPACES.

THE TOTAL BUILDING AREA AT THE CONCLUSION OF THE PROJECT WILL BE 23,935 SF.

THE BUILDING IS USED FOR NATIONAL GUARD OFFICES & OPERATIONS.

OCCUPANCY TYPE:	A-3 ASSEMBLY
MIXED USE OCCUPANCY	B - BUSINESS
	S-1 STORAGE

TYPE OF CONSTRUCTION: TYPE II-B

FIRE PROTECTION SYSTEM: NO

ALLOWABLE HEIGHT AND AREA:		
TABLE 503:	SPRINKLER INCREASE: (1 STORY, 300% AREA)	FRONTAGE INCREASE: ([75'-25']30/30=5)

A-3	2 STORIES	-	+ 4,750 SF
	9,500 SF		14,250 SF
B	4 STORIES	-	+ 11,500 SF
	23,000 SF		34,500 SF
S-1	3 STORIES	-	+ 8,750 SF
	17,500 SF		26,250 SF

ACTUAL HEIGHT: 1 STORY

TOTAL EXISTING BUILDING AREA: 19,606 SF

RENOVATED AREA: 16,943 SF

ABI 1 ADDITION AREA: 4,329 SF

TOTAL PROJECT AREA: 21,272 SF

TOTAL BUILDING AREA: 23,935 SF

SEPARATION REQUIREMENTS:
(TABLE 508.4)

A TO B - 2 HR FIRE BARRIER
A TO S1 - 2 HR FIRE BARRIER
B TO S1 - NO SEPARATION REQUIRED

TRAVEL DISTANCE NOTES:

- MAX. EXIT ACCESS TRAVEL DISTANCE: ALLOWABLE 200'
- MAX. DEAD END CORRIDORS: DIST. ALLOWABLE 20'
- COMMON PATH OF EGRESS TRAVEL: ALLOWABLE 75'

CODE PLAN LEGEND

ALL WALLS, FIXTURES AND FINISHES WITHIN FILLED REGION ARE EXISTING TO REMAIN. PROTECT THROUGHOUT CONSTRUCTION. CUT AND PATCH AS REQUIRED FOR MECHANICAL SCOPE. INCLUDE IN FINAL CLEANING.

EXIT
CALCULATED OCCUPANT LOAD THROUGH EXIT

EGRESS WIDTH
ALLOWABLE NUMBER OF OCCUPANTS THROUGH EXIT

TRAVEL DISTANCE TO EXIT ACCESS

COMMON PATH OF TRAVEL DISTANCE

CABINET BRACKET MOUNTED FIRE EXTINGUISHER

EXISTING FIRE EXTINGUISHER LOCATION

OCCUPANCY GROUP PER TABLE 1004 1.2
ROOM #
ROOM ID
ROOM AREA
NUMBER OF EXITS REQUIRED
OCCUPANT LOAD FACTOR
NUMBER OF OCCUPANTS

2 HOUR FIRE BARRIER

LOAD FACTOR KEY

A	ASSEMBLY	15	NET
B	BUSINESS	100	GROSS
M	MECHANICAL	300	GROSS
S	STORAGE	300	GROSS
C	CLASSROOM	20	NET
E	EXERCISE ROOM	50	GROSS



G | E
D | A
ARCHITECTS

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1405 S Washington Street
Crawfordsville, IN 47933

MD-SAB-26-B-013

FIRE &
LIFE SAFETY
PLAN

0917-18

JULY 31, 2026

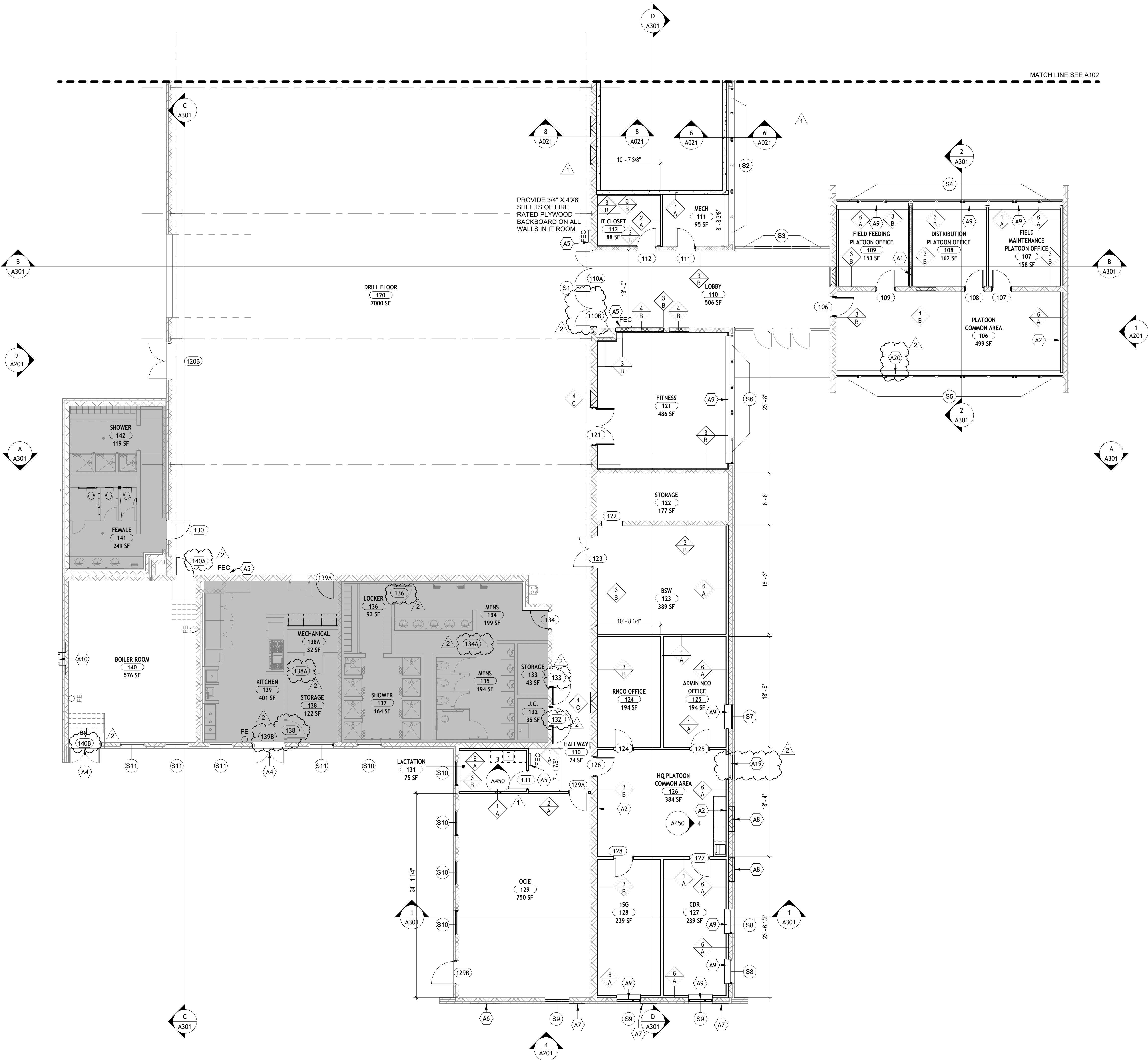
BID DOCUMENTS

REVISIONS

1 Addendum # 8/24/2026



LS101



GENERAL PLAN NOTES

1. ALL DIMENSIONS ARE FROM FINISH FACE OF EXISTING CONSTRUCTION, NEW FACE OF MASONRY OR FACE OF STUD UNLESS OTHERWISE NOTED.
2. GENERAL CONTRACTOR IS RESPONSIBLE FOR VISITING THE SITE AND REVIEWING EXISTING CONDITIONS PRIOR TO SUBMITTING A BID. ADJUST PLAN DIMENSIONS FOR MINOR DISCREPANCIES FROM ACTUAL CONDITIONS ENCOUNTERED. NOTIFY ARCHITECT OF CONFLICTS BETWEEN PLAN AS DRAWN AND ACTUAL CONDITIONS.
3. GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE WORK OF ALL SUBCONTRACTORS, TRADES AND SUPPLIERS PRIOR TO THE START OF CONSTRUCTION.
4. ALL EXISTING CONSTRUCTION DAMAGED BY NEW WORK TO BE REPAIRED TO LIKE NEW CONDITION.
5. VERIFY MOUNTING HEIGHTS OF ACCESSORIES, EQUIPMENT, DOOR HARDWARE, CASEWORK, ETC. AND PROVIDE BLOCKING AS REQUIRED TO SUPPORT WEIGHT AND USE OF ITEMS.
6. PROVIDE CONTINUOUS SEALANT PER 07 92 00 BETWEEN DISSIMILAR MATERIALS INCLUDING, BUT NOT LIMITED TO, BETWEEN MASONRY AND GYPSUM BOARD, PLUMBING FIXTURES AND WALLS, ETC.
7. TOOTH IN MASONRY AT ALL MASONRY INFILL LOCATIONS.

SHEET LEGEND

- ALL WALLS, FIXTURES AND FINISHES WITHIN HATCHED AREA ARE EXISTING TO REMAIN. PROTECT THROUGHOUT CONSTRUCTION. CUT AND PATCH AS REQUIRED FOR MECHANICAL SCOPE.
- ROOM # ROOM TAG
- INTERIOR ELEVATION DESIGNATION
- ASSEMBLY TYPES
- BUILDING ELEVATION DESIGNATION
- ENLARGED PLAN DESIGNATION
- BUILDING SECTION DESIGNATION
- DOOR NUMBER - SEE DOOR SCHEDULE
- STOREFRONT DESIGNATION
- REVISION TAG
- KEYED NOTE

SHEET NOTES

- A1 PROVIDE 3 5/8" MTL STUD WALL AND TRACK BETWEEN FURRING WALLS. AFFIX FURRING CHANNELS HORIZONTALLY.
- A2 PROVIDE BLOCKING AND AV BOX FOR TV AT ALL LOCATIONS. SEE FURNITURE PLAN FOR APPROXIMATE LOCATION.
- A4 PAINT EXISTING HOLLOW METAL DOOR AND HARDWARE. SEE FINISH PLANS.
- A5 SURFACE MOUNTED FIRE EXTINGUISHER CABINET.
- A6 CARVED LIMESTONE SIGN CENTERED IN MASONRY WALL. SEE ELEVATIONS.
- A7 METAL WALL PANELS INSTALLED OVER EXISTING WALL. SEE ELEVATIONS.
- A8 INFILL EXISTING WINDOW OPENING WITH 12" CMU.
- A9 SOLID SURFACE WINDOW SILL AND MANUAL ROLLER SHADE.
- A10 COORDINATE EXACT LOCATION OF ROOF ACCESS LADDER WITHIN MECHANICAL ENCLOSURE WITH OWNER.
- A19 PROVIDE TEMPORARY PROTECTION AT EXISTING WINDOW OPENING UNTIL ABI 1 WORK IS COMPLETE. SEE ABI 1 FOR NEW DOOR.
- A20 SOLID SURFACE WINDOW SILL AND POWER OPERATED ROLLER SHADE.



G | E
D | A
ARCHITECTS

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Crawfordsville Readiness Center
Modernization
1405 S Washington Street
Crawfordsville, IN 47933

MD-SAB-26-B-013

FIRST FLOOR
PLAN - SOUTH

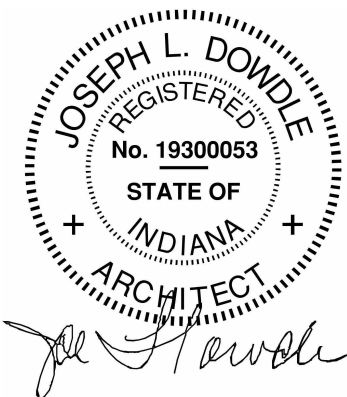
0917-18

JULY 31, 2026

BID DOCUMENTS

REVISIONS

- 1 Addendum #1 08/20/2026
- 2 Addendum #2 8/24/2026



A101

1/4" = 1'-0"

1/4" = 1'-0"

S1

DOOR SCHEDULE - HARDWARE & SIGNAGE ONLY						
RE	LOCATION	Width	Height	HARDWARE	NOTES	SIGN
134A	MENS CLOSET	2' - 0"	7' - 0"	028		C
136	LOCKER	3' - 0"	7' - 0"	34	5,6	
138	STORAGE	3' - 0"	7' - 0"	33		C
138A	MECHANICAL	3' - 0"	7' - 0"	33	6	C
139B	KITCHEN	5' - 0"	7' - 0"	35	7	
140B	BOILER ROOM	5' - 0"	7' - 0"	35	7	

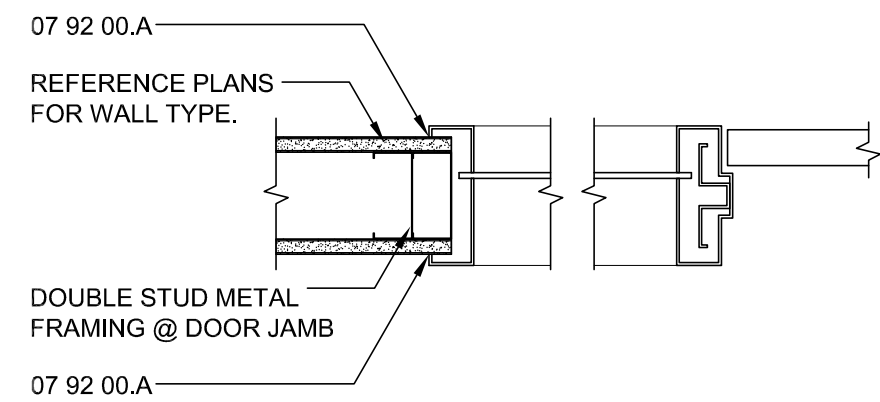
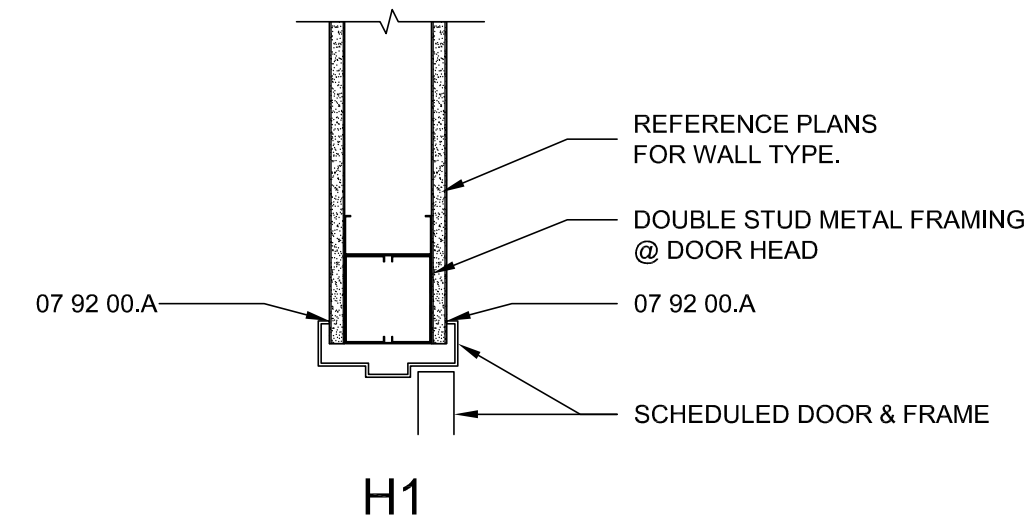
DOOR SCHEDULE																
RE	LOCATION	DOOR INFORMATION						FRAME INFORMATION				FIRE RATING	HARDWARE	NOTES	SIGN	
		WIDTH	HEIGHT	THICKNESS	MAT.	DOOR ELEVATION	GLASS	FRAME MAT.	FRAME ELEVATION	JAMB TYPE	HEAD TYPE					
106	PLATOON COMMON AREA	3' - 0"	7' - 0"	0' - 1 3/4"	SCW	D4	T	HM	F1	J6	H6	-	016	1	B	
107	FIELD MAINTENANCE PLATOON OFFICE	3' - 0"	7' - 0"	0' - 1 3/4"	SCW	D4	T	HM	F1	J7	H7	-	018	8	A	
108	DISTRIBUTION PLATOON OFFICE	3' - 0"	7' - 0"	0' - 1 3/4"	SCW	D4	T	HM	F1	J7	H7	-	018	8	A	
109	FIELD FEEDING PLATOON OFFICE	3' - 0"	7' - 0"	0' - 1 3/4"	SCW	D4	T	HM	F1	J7	H7	-	019	8	A	
110A	LOBBY	5' - 10"	7' - 0"	0' - 1 3/4"	FF	S1	FPR	FF	SF1	J4	H4	90 MIN	013	1,4	-	
110B	LOBBY	5' - 10"	7' - 0"	0' - 1 3/4"	FF	S1	FPR	FF	SF1	J4	H4	90 MIN	013	1,4	-	
111	MECHANICAL	3' - 0"	7' - 0"	0' - 1 3/4"	SCW	D1	-	HM	F1	J3	H3	-	024	1	B	
112	IT CLOSET	3' - 0"	7' - 0"	0' - 1 3/4"	SCW	D1	-	HM	F1	J3	H3	-	021	1	B	
113	VAULT	4' - 0"	7' - 0"	0' - 1 3/4"	ST/INS	D1	-	HM	F1	J5	H5	-	-	-	-	
114	SUPPLY OFFICE	3' - 0"	7' - 0"	0' - 1 3/4"	SCW	D4	T	HM	F1	J1	H1	-	025	-	A	
115A	SUPPLY - DRILL FLOOR	5' - 0"	7' - 0"	0' - 1 3/4"	SCW	D5	-	HM	F1	J2	H2	90 MIN	010	1	C	
115B	SUPPLY - EXTERIOR	6' - 0"	7' - 0"	0' - 1 3/4"	ST/INS	D1	T/INS	HM	F1	J8	H8	-	004	-	-	
116	MECHANICAL	6' - 0"	7' - 0"	0' - 1 3/4"	SCW	D1	-	HM	F1	J2	H2	90 MIN	009	-	C	
117	DISTRIBUTION	6' - 0"	7' - 0"	0' - 1 3/4"	SCW	D1	-	HM	F1	J2	H2	90 MIN	008	-	C	
118	TABLE AND CHAIR STORAGE	6' - 0"	7' - 0"	0' - 1 3/4"	SCW	D1	-	HM	F1	J2	H2	90 MIN	008	-	C	
119	FIELD FEEDING STORAGE	6' - 0"	7' - 0"	0' - 1 3/4"	SCW	D1	-	HM	F1	J2	H2	90 MIN	008	-	C	
120A	DRILL FLOOR	5' - 0"	7' - 0"	0' - 1 3/4"	ST/INS	D2	T/INS	HM	F1	J8	H8	-	003	1	-	
120B	DRILL FLOOR	6' - 0"	7' - 0"	0' - 1 3/4"	ST/INS	D2	T/INS	HM	F1	J8	H8	-	003	1	-	
121	FITNESS	6' - 0"	7' - 0"	0' - 1 3/4"	SCW	D4	FPR	HM	F1	J3	H3	90 MIN	007	-	C	
122	STORAGE	3' - 6"	7' - 0"	-	-	-	-	HM	F1	J9	H9	-	-	2	-	
123	BSW	5' - 0"	7' - 0"	0' - 1 3/4"	SCW	D5	-	HM	F1	J2	H2	90 MIN	011	1	A	
124	RNCO OFFICE	3' - 0"	7' - 0"	0' - 1 3/4"	SCW	D4	T	HM	F1	J1	H1	-	025	-	A	
125	ADMIN NCO OFFICE	3' - 0"	7' - 0"	0' - 1 3/4"	SCW	D4	T	HM	F1	J1	H1	-	025	-	A	
126	HQ PLATOON COMMON AREA	3' - 0"	7' - 0"	0' - 1 3/4"	SCW	D4	T	HM	F1	J3	H3	90 MIN	019	-	B	
127	CDR	3' - 0"	7' - 0"	0' - 1 3/4"	SCW	D4	T	HM	F1	J1	H1	-	025	-	A	
128	1SG	3' - 0"	7' - 0"	0' - 1 3/4"	SCW	D4	T	HM	F1	J1	H1	-	025	-	A	
129A	OCIE	3' - 0"	7' - 0"	0' - 1 3/4"	SCW	D4	FPR	HM	F1	J10	H10	90 MIN	017	-	B	
129B	OCIE	3' - 8 3/4"	7' - 0"	0' - 1 3/4"	ST/INS	D1	-	HM	F1	J11	J11	-	005	-	-	
130	FEMALE LATRINE	3' - 0"	7' - 0"	0' - 1 3/4"	SCW	D6	-	-	-	-	-	-	029	3,6	D	
131	LACTATION	3' - 0"	7' - 0"	0' - 1 3/4"	SCW	D1	-	-	-	-	-	-	027	-	C	
132	J.C.	3' - 0"	7' - 0"	0' - 1 3/4"	SCW	D6	-	-	-	-	-	-	022	3,6	C	
133	STORAGE	3' - 0"	7' - 0"	0' - 1 3/4"	SCW	D1	-	-	-	-	-	-	022	3,6	B	
134	MENS	3' - 0"	7' - 0"	0' - 1 3/4"	SCW	D6	-	-	-	-	-	-	028	3,6	D	
139A	KITCHEN	3' - 0"	7' - 0"	0' - 1 3/4"	SCW	D1	-	-	-	-	-	-	020	3,6	C	
140A	BOILER ROOM	3' - 0"	7' - 0"	0' - 1 3/4"	SCW	D1	-	-	-	-	-	-	023	3,6	C	

GENERAL NOTES

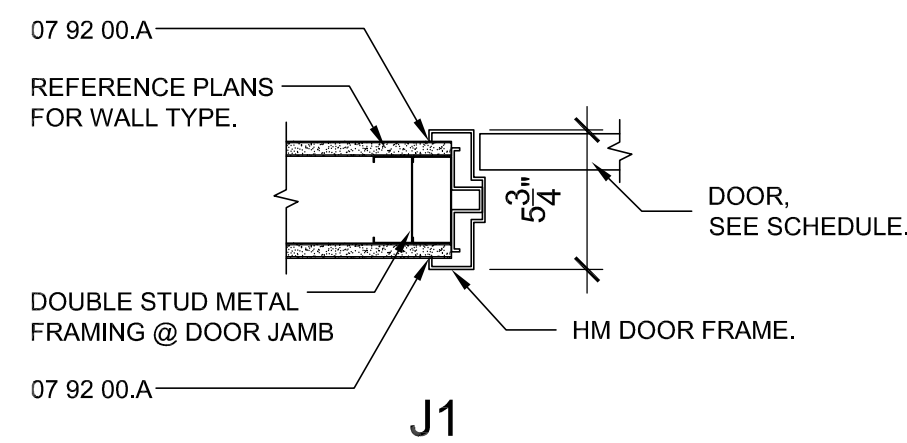
1. PROVIDE NEW DOOR IN EXISTING MASONRY OPENING. FIELD VERIFY EXISTING ROUGH OPENING SIZE.
2. PROVIDE NEW CASED OPENING IN EXISTING OPENING.
3. PROVIDE NEW DOOR IN EXISTING FRAME. FIELD VERIFY EXISTING OPENING SIZE.
PREPARE EXISTING FRAME TO RECEIVE NEW HARDWARE
4. PROVIDE NEW 90 MINUTE RATED STOREFRONT - FIREFRAME HEAT BARRIER SERIES WITH PYROSTOP GLAZING OR EQUIVALENT FIELD VERIFY EXISTING ROUGH OPENING.
5. REMOVE EXISTING HASP LOCK AND TOUCH UP EXISTING DOOR AND FRAME AS REQUIRED.
6. REPLACE EXISTING SIGNAGE AS INDICATED.
7. CLEAN, REMOVE ALL RUST AND PAINT EXISTING DOORS AND FRAME.
8. PROVIDE NEW DOOR IN EXISTING MASONRY OPENING. MODIFY OPENING AS REQUIRED TO ACCOMMODATE

ABBREVIATIONS

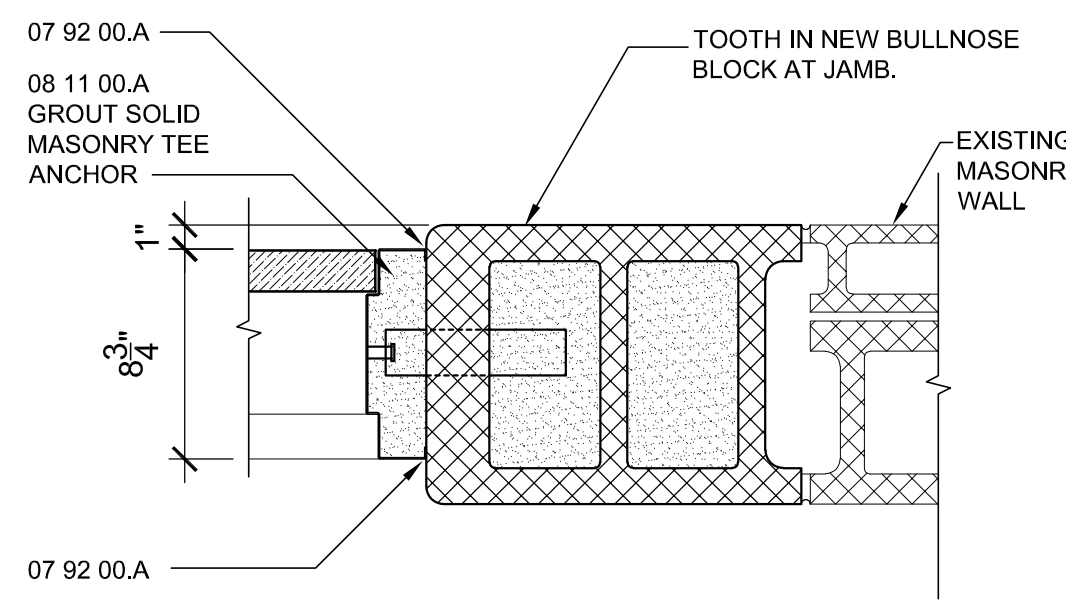
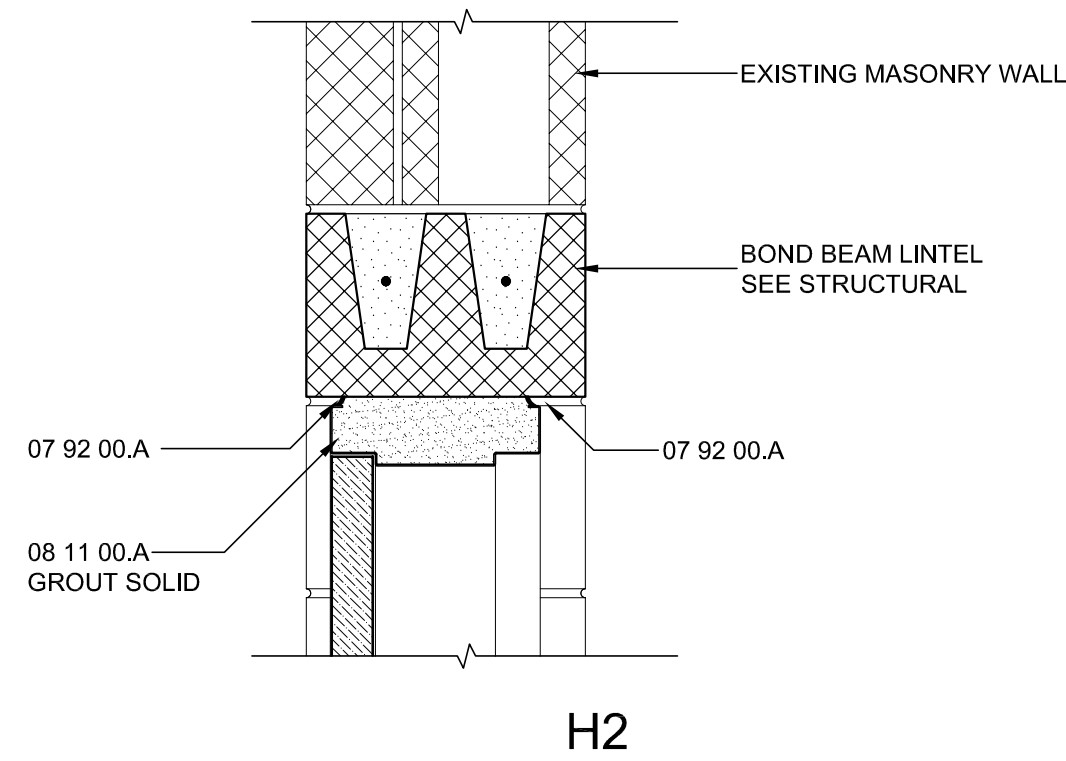
ALUM:	ALUMINUM
CR:	CARD READER
FR:	FIRE RATED FRAME - HEAT BARRIER SERIES OR EQUAL
FPR:	FIRE PROTECTION-RATED GLAZING - PYROSTOP OR EQUAL
HCW:	HOLLOW CORE WOOD
HM:	HOLLOW METAL
INS:	INSULATED
M.O.:	MASONRY OPENING
OP:	OPERATOR
SCW:	SOLID CORE WOOD
ST:	STEEL
T:	TEMPERED
VL:	VISION LITES
WD:	WOOD



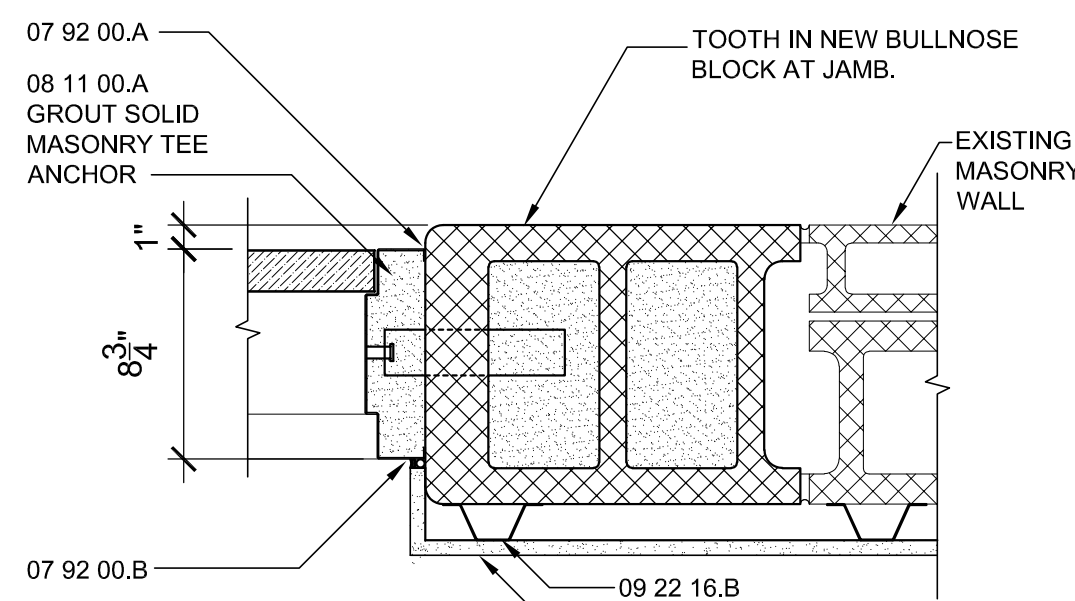
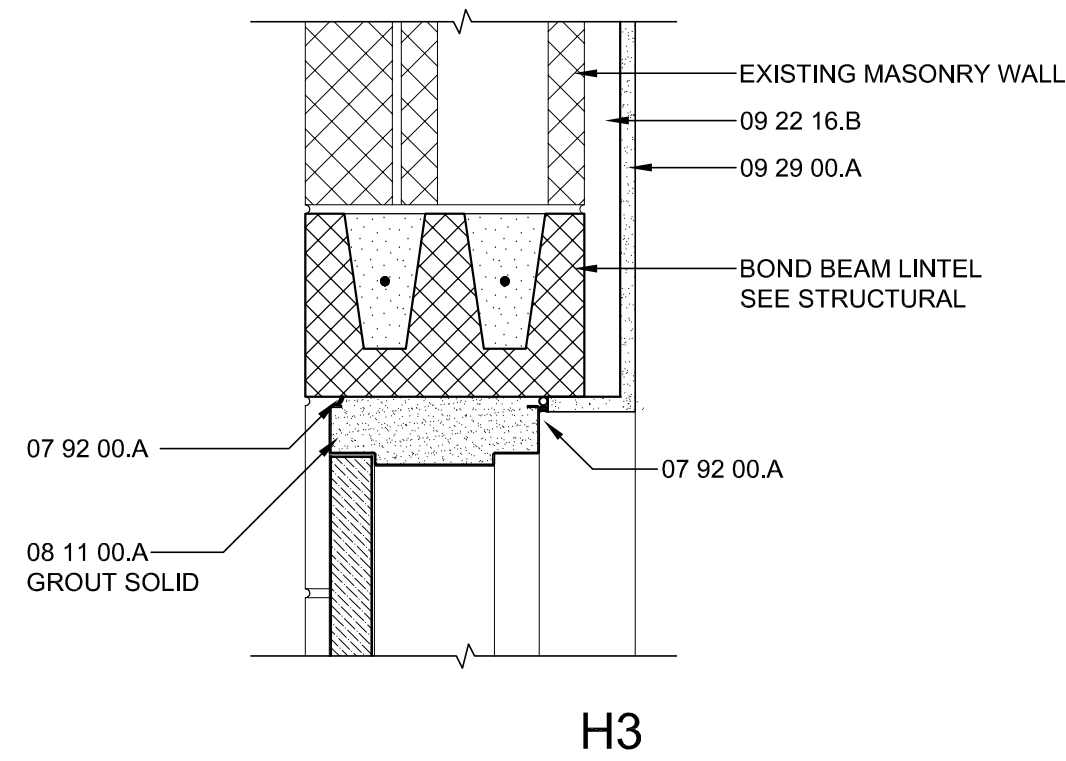
J1 (BORROWED LIGHT)



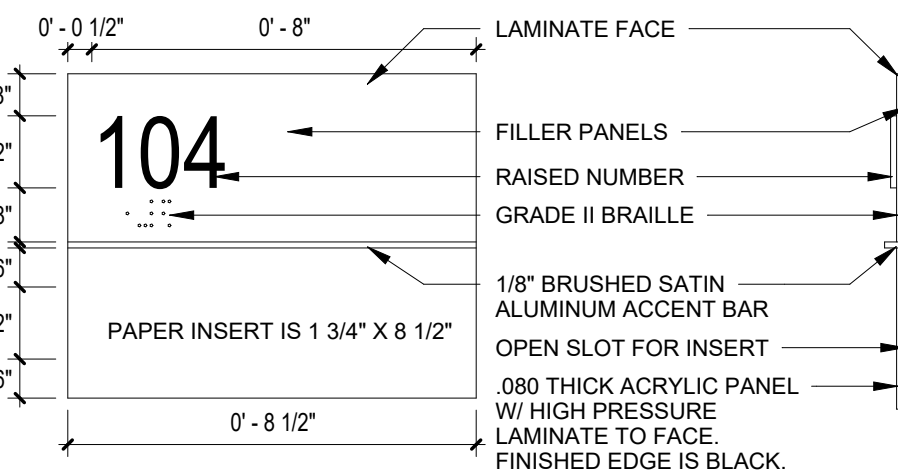
J1



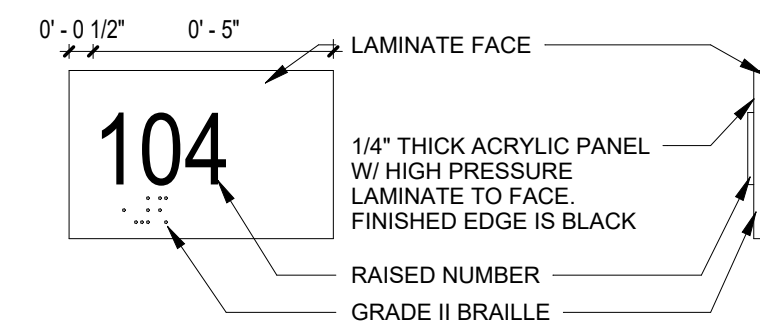
J2



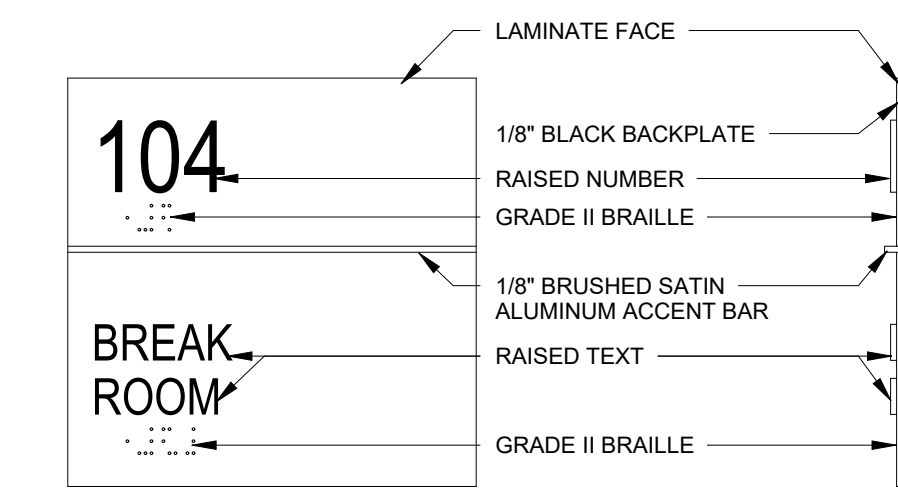
J3



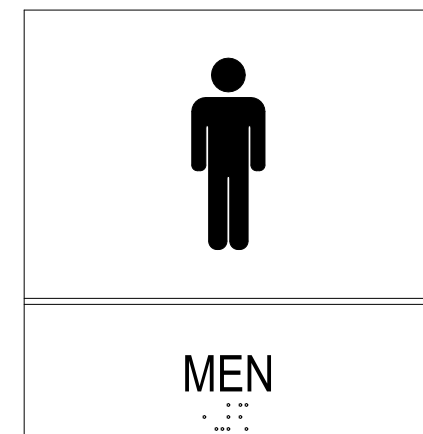
A ROOM ID W/ INSERT
SCALE: 3" = 1'-0"



B ROOM NUMBER ID
SCALE: 3" = 1'-0"



C STANDARD ROOM II
SCALE: 3" = 1'-0"



D MEN'S ROOM
SCALE: 3" = 1'-0"

GENERAL SIGNAGE NOTES

1. **SIGN POSITION:**
LOCATION IDENTIFICATION - WHERE A TACTILE SIGN IS LOCATED AT A ROOM W/ A SINGLE DOOR, THE SIGN SHALL BE ON THE LATCH SIDE. WHERE A TACTILE SIGN IS PROVIDED @ DOUBLE DOORS W/ 1 ACTIVE LEAF, THE SIGN SHALL BE ON THE INACTIVE LEAF. WHERE A TACTILE SIGN IS PROVIDED @ DOUBLE DOORS W/ 2 ACTIVE LEAFS, THE SIGN SHALL BE TO THE RIGHT OF THE RIGHT HAND DOOR.
*NOTE: IF A LACK OF WALL SPACE PRECLUDES ANY OF THE DESCRIBED LOCATIONS, THE SIGN MAY BE LOCATED @ THE NEAREST ADJACENT WALL.
2. **MOUNTING HEIGHT:**
LOCATION IDENTIFICATION SIGNS SHALL BE MOUNTED 4" FROM DOOR TRIM & 60" TO TOP OF SIGN.
3. **TEXT SHOWN IS FOR REFERENCE ONLY.** FONT SIZE, JUSTIFICATION & COLOR ARE TO BE ACCORDING TO SPECIFICATIONS. BRAILLE TO BE AS PER ADA CODE.
4. **ALL BRAILLE TO BE LEFT JUSTIFIED ON SIGNS.**
5. **ALL ROOM NUMBERS TO BE 1 1/2" IN HEIGHT.**
6. **ALL SIGN SHALL BE COORDINATED W/ OWNER FOR FINAL VERIFICATION OF TEXT/COPY.**



G | E
D | A
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DOOR SCHEDULE AND DETAILS

0917-18

JULY 31, 2026

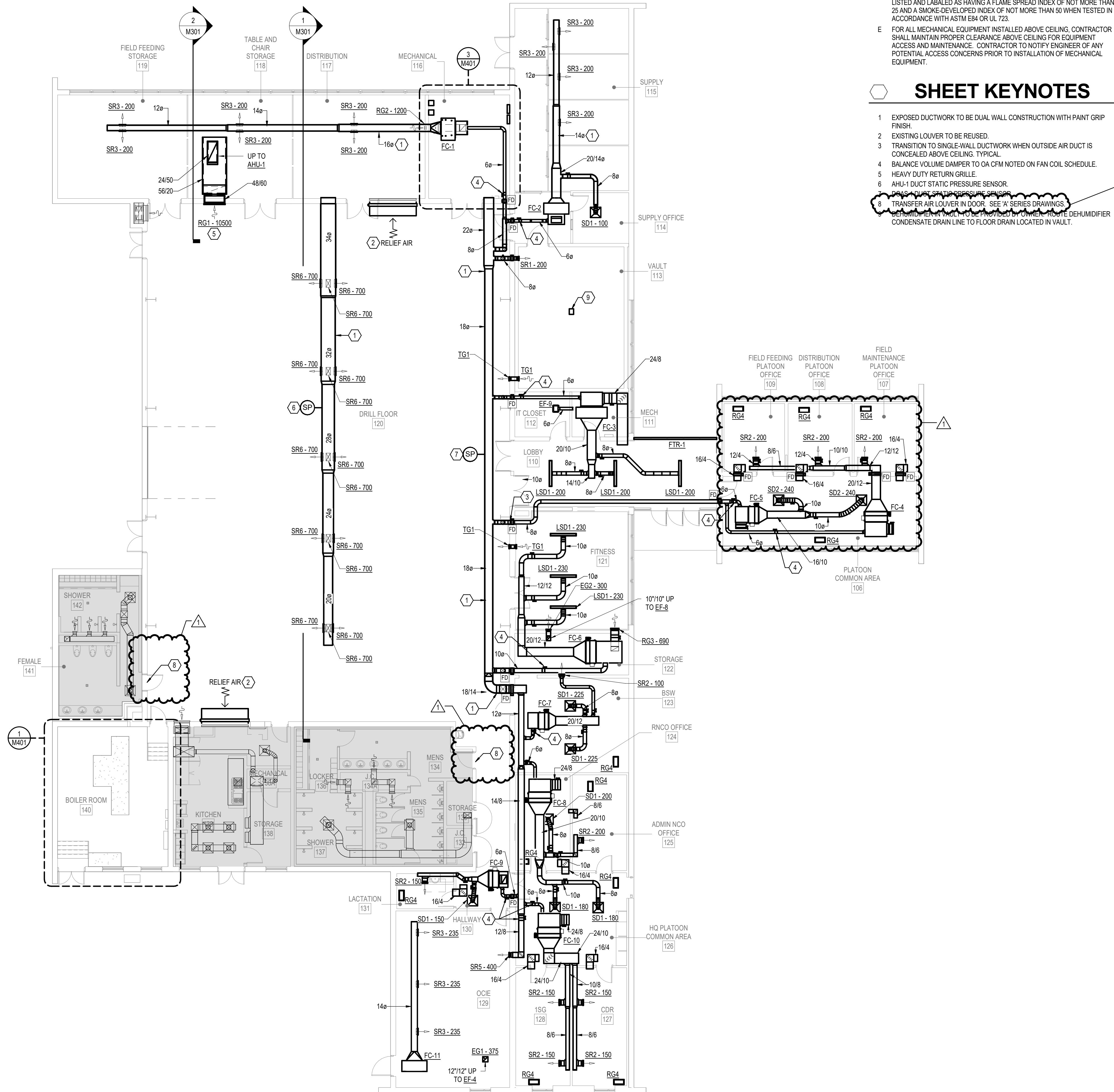
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1 Addendum # 8/24/2026



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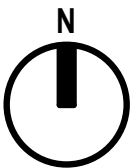


GENERAL NOTES

- A REFER TO SHEET M-000 FOR GENERAL MECHANICAL NOTES, SYMBOLS AND ABBREVIATIONS.
- B REFER TO DRAWING M-500 SERIES FOR MECHANICAL DETAILS.
- C REFER TO DRAWING M-600 SERIES FOR MECHANICAL SCHEDULES.
- D ALL MATERIALS WITHIN PLENUMS SHALL BE NONCOMBUSTIBLE OR SHALL BE LISTED AND LABELED AS HAVING A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE-DEVELOPED INDEX OF NOT MORE THAN 50 WHEN TESTED IN ACCORDANCE WITH ASTM E84 OR UL 723.
- E FOR ALL MECHANICAL EQUIPMENT INSTALLED ABOVE CEILING, CONTRACTOR SHALL MAINTAIN PROPER CLEARANCE ABOVE CEILING FOR EQUIPMENT ACCESS AND MAINTENANCE. CONTRACTOR TO NOTIFY ENGINEER OF ANY POTENTIAL ACCESS CONCERNS PRIOR TO INSTALLATION OF MECHANICAL EQUIPMENT.

SHEET KEYNOTES

- 1 EXPOSED DUCTWORK TO BE DUAL WALL CONSTRUCTION WITH PAINT GRIP FINISH.
- 2 EXISTING LOUVER TO BE REUSED.
- 3 TRANSITION TO SINGLE-WALL DUCTWORK WHEN OUTSIDE AIR DUCT IS CONCEALED ABOVE CEILING, TYPICAL.
- 4 BALANCE VOLUME DAMPER TO OA CFM NOTED ON FAN COIL SCHEDULE.
- 5 HEAVY DUTY RETURN GRILLE.
- 6 AHU-1 DUCT STATIC PRESSURE SENSOR.
- 7 DUCT STATIC PRESSURE SENSOR.
- 8 TRANSFER AIR LOUVER IN DOOR. SEE 'A' SERIES DRAWINGS. DEHUMIDIFIER IN VAULT TO BE PROVIDED BY OWNER. ROUTE DEHUMIDIFIER CONDENSATE DRAIN LINE TO FLOOR DRAIN LOCATED IN VAULT.



FIRST FLOOR AIR DISTRIBUTION PLAN

3/32" = 1'-0"



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FIRST FLOOR
AIR
DISTRIBUTION
PLAN -
MECHANICAL

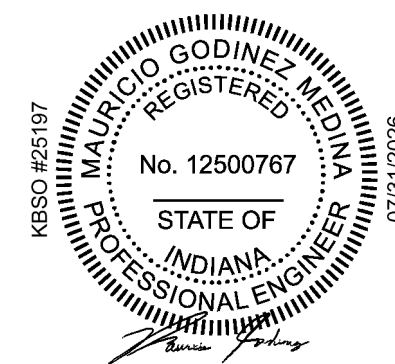
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JULY 31, 2026

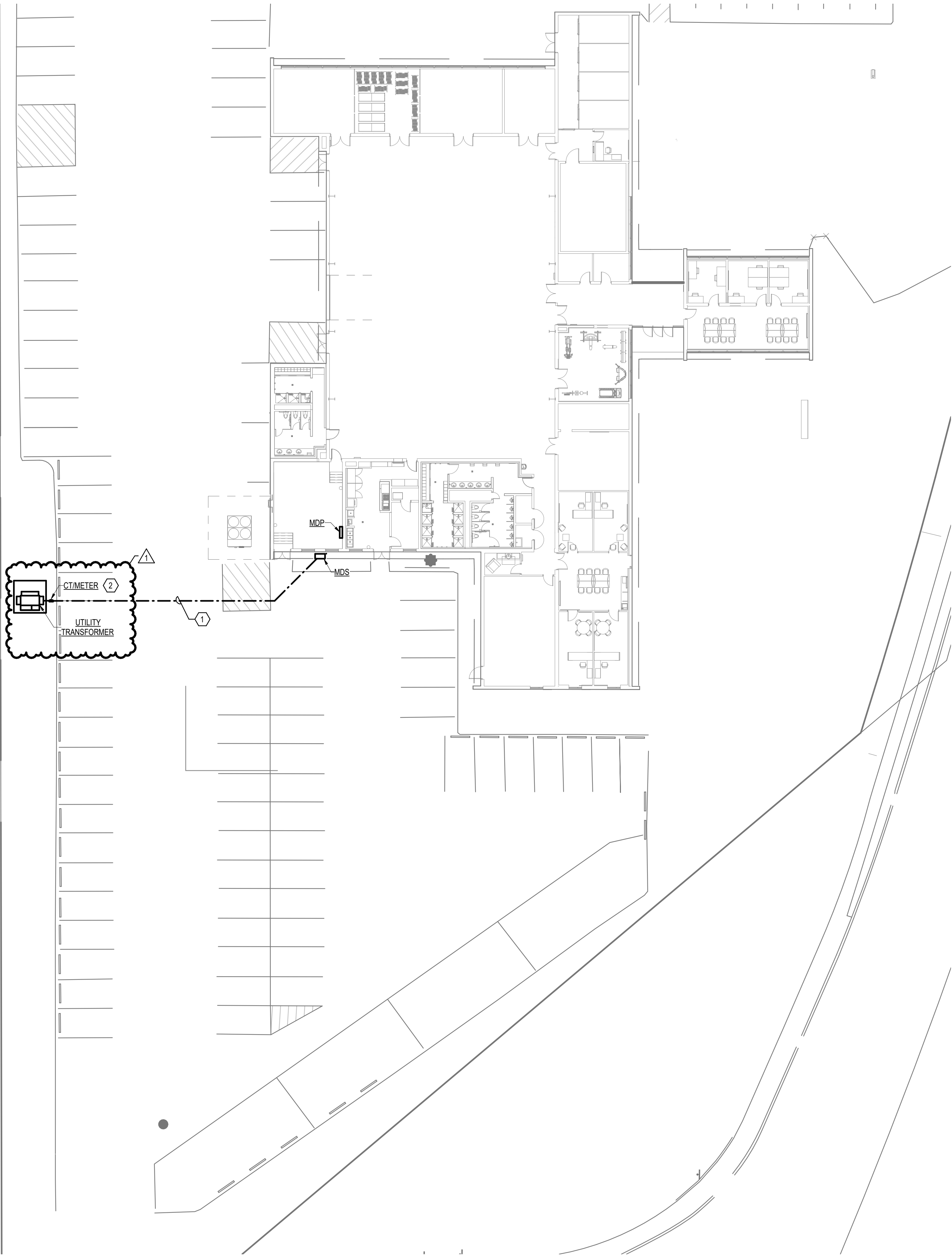
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REVISIONS

1 ADD. #2 8/24/2026



M101



GENERAL NOTES

- A REFER TO SHEET E000 FOR GENERAL ELECTRICAL NOTES, SYMBOLS AND ABBREVIATIONS.
- B REFER TO SHEET E000 SERIES FOR LOAD PANEL SCHEDULES.
- C ALL UNDERGROUND FEEDER AND BRANCH CIRCUIT CONDUITS TO BE SCH. 80 PVC WHEN ROUTED UNDER DRIVABLE SURFACE. USE SCH. 40 PVC ELSEWHERE. USE PVC COATED RIGID SWEEPS FOR ALL STUB-UPS. TRANSITION TO RIGID CONDUIT ABOVE GROUND.
- D CONDUIT ROUTING SHOWN IN DIAGRAMMATIC. REFER TO CIVIL SITE PLANS FOR EXACT ROUTING. COORDINATE ROUTING WITH OTHER TRADES.
- E MINIMUM BURIAL DEPTH FOR ALL UNDERGROUND CONDUIT IS 36". COORDINATE EXACT DEPTH AND INTERSECTIONS WITH OTHER TRADES.
- F COORDINATE WITH UTILITY COMPANY FOR ALL WORK, REQUIREMENTS, AND LICENSES REQUIRED RELATED TO THE UTILITY TRANSFORMER AND NEW SERVICE INSTALLATION. UTILITY COMPANY: CRAWFORDSVILLE ELECTRIC LIGHT & POWER. POINT OF CONTACT: GARY FISHERO, PHONE NUMBER: (765) 362-1900 EXT. 8033.

SHEET KEYNOTES

- 1 PROVIDE FEEDERS AND CONDUIT ACCORDING TO ONE-LINE DIAGRAM.
- 2 COORDINATE FINAL LOCATION WITH UTILITY COMPANY BEFORE INSTALLATION.

ELECTRICAL SERVICE RESPONSIBILITY				
	UTILITY PROCURED	E.C. PROCURED	UTILITY INSTALLED	E.C. INSTALLED
TRANSFORMER	X		X	
TRANSFORMER PAD		X		X
PRIMARY CONDUIT	X		X	
PRIMARY CONDUCTORS	X		X	
METERING EQUIPMENT		X		X
METER SOCKETS	X		X	
LINE SIDE SECONDARY CONDUIT		X		X
LINE SIDE SECONDARY CONDUCTORS	X		X	
LOAD SIDE SECONDARY CONDUIT		X		X
LOAD SIDE SECONDARY CONDUCTORS		X		X

NOTES:
"LINE SIDE" INDICATES RUN FROM TRANSFORMER TO METERING EQUIPMENT.
"LOAD SIDE" INDICATES RUN FROM METERING EQUIPMENT TO OWNERS DISTRIBUTION EQUIPMENT.



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SITE
ELECTRICAL
PLAN

0917-18

JULY 31, 2026

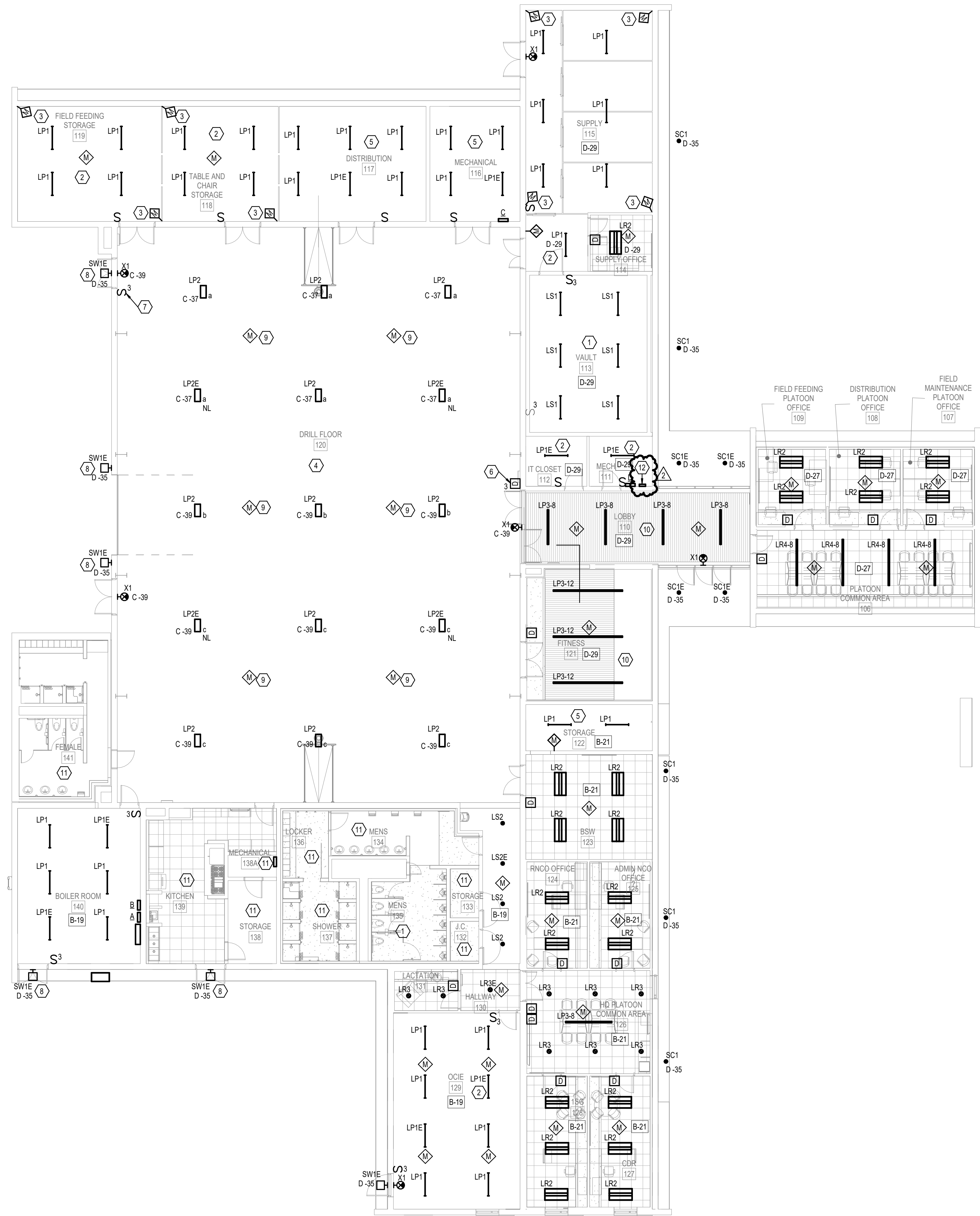
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REVISIONS

1 ADD. #2 8/24/2026



ES101



1 FIRST FLOOR LIGHTING PLAN
3/32" = 1'-0"

GENERAL NOTES

- REFER TO SHEET E000 FOR GENERAL ELECTRICAL NOTES, SYMBOLS AND ABBREVIATIONS.
- REFER TO E600 SERIES SHEETS FOR LIGHT FIXTURE SCHEDULES. REFER TO E610 AND E620 FOR PANEL SCHEDULES AND CIRCUITING.
- LABEL ALL RELAYS AND POWER SUPPLIES (ON THE DEVICE OR BOX THEY ARE CONNECTED TO) WITH THE AREA THE DEVICE SERVES.
- MOUNT EXIT SIGNS ON WALL NOT OVER DOOR +7'-6" AFF. EXIT SIGNS OVER DOOR TO BE +0'-6" ABOVE TOP EDGE OF DOOR FRAME.
- 'NL' SYMBOL REPRESENTS NIGH LIGHT AND INDICATES LIGHT WILL REMAIN ON 24/7.
- COORDINATE INSTALLATION OF LIGHTING FIXTURES WITH ARCHITECTURAL REFLECTED CEILING PLANS, ARCHITECTURAL ELEVATIONS, MECHANICAL EQUIPMENT, DIFFUSERS, SUPPORTS, PIPING, DUCTWORK AND STRUCTURAL PLANS PRIOR TO ROUGH-IN AND INSTALLATION OF LIGHTS.
- LOCATE CEILING MOUNTED OCCUPANCY SENSORS TO PROVIDE COMPLETE COVERAGE OF THE SPACE THEY ARE INSTALLED IN. ADDITIONAL SENSORS REQUIRED DUE TO LACK OF COVERAGE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND THE MANUFACTURER. SENSORS SHALL INCLUDE ALL POWER SUPPLIES AND RELAYS NECESSARY FOR PROPER OPERATION.
- ALL MOUNTING HEIGHTS NOTED ON THE PLANS ARE TO THE BOTTOM OF THE FIXTURES UNLESS NOTED OTHERWISE.
- THE EC IS RESPONSIBLE FOR VERIFYING (FIELD VERIFICATION IF NECESSARY) ALL LINEAR PRODUCT LENGTHS INCLUDING ANY DOWNLIGHTS, WALL SLOTS, PENDANTS, OR ACCENT LIGHTS.
- ALL EXTERIOR EQUIPMENT AND DEVICES SHALL BE WEATHERPROOF AND RAIN TIGHT.
- WHERE MULTIPLE SWITCHES ARE SHOWN ADJACENT TO EACH OTHER, GANG TOGETHER IN SINGLE FACEPLACE WITH MULTIPLE SWITCH OUTLET.
- CONTRACTOR IS RESPONSIBLE FOR VERIFYING COMPATIBILITY OF LIGHT FIXTURES WITH CEILING MATERIALS, ADJACENT FINISHES AND CONSTRUCTION MATERIALS. NOTIFY ARCHITECT OF ANY CONFLICTS PRIOR TO INSTALLATION OF FIXTURE.
- REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS, ROOM AND AREA FINISHES, CEILING PLANS, DOOR SWINGS, FIRE RATED PARTITIONS AND CEILINGS, CABINET, CASEWORK AND BUILT-IN DETAILS.
- SPACES AND ROOMS WITH EXPOSED CEILINGS WILL HAVE EXPOSED CONDUIT. ALL EXPOSED CONDUIT IS TO BE LOCATED TIGHT TO STRUCTURE AND PAINTED TO MATCH ADJACENT EXPOSED DECK/WALL. REFER TO INTERIOR DESIGN DRAWINGS FOR EXACT COLOR/FINISH.

SHEET KEYNOTES

- LIGHT FIXTURES WITHIN THIS ROOM ARE TO BE SURFACE MOUNTED UNLESS NOTED OTHERWISE.
- SUSPEND LIGHT FIXTURE AT 8'-0" AFF TO BOTTOM OF LIGHT FIXTURE.
- MOUNT OCCUPANCY SENSOR DEVICE AT 8'-0" AFF TO BOTTOM OF DEVICE.
- MOUNT LIGHT FIXTURES AT APPROXIMATELY 18" AFF TO BOTTOM OF LIGHT FIXTURE. COORDINATE EXACT MOUNTING HEIGHT WITH ARCHITECTURAL ELEVATIONS.
- SUSPEND LIGHT FIXTURE AT 8'-0" AFF TO BOTTOM OF LIGHT FIXTURE. COORDINATE EXACT MOUNTING HEIGHT OF LIGHT FIXTURES WITH MECHANICAL, ELECTRICAL AND PLUMBING EQUIPMENT, DUCT, CONDUIT, PIPING, ETC. IN THIS ROOM.
- PROVIDE WALL MOUNT MULTI-SCENE LIGHT CONTROL FOR DRILL HALL HIGH-BAY LIGHTING.
- PROVIDE ON/OFF SNAP SWITCH FOR DRILL HALL HIGH-BAY LIGHTING.
- LIGHT FIXTURE TO BE MOUNTED IN EXACT LOCATION AS EXISTING LIGHT FIXTURE. REUSE EXISTING BACKBOX IF POSSIBLE.
- SUSPEND HIGH-BAY OCCUPANCY SENSOR VIA RIGID STEM AT 18'-0" AFF. THE ELEVATION OF THE OCCUPANCY SENSOR IS TO BE FLUSH WITH THE LIGHT FIXTURES.
- INSTALL AND SUSPEND THE LIGHT FIXTUR SUCH THAT THE BOTTOM OF THE LIGHT FIXTURE IS ALIGNED FLUSH WITH THE FINISHED SURFACE OF THE WOOD SLAT CEILING.
- EXISTING LIGHTING AND LIGHTING CONTROLS ARE TO REMAIN IN THIS ROOM. PROTECT DURING CONSTRUCTION.
- PROVIDE ASTONOMICAL TIMECLOCK FOR CONTROL OF EXTERIOR LIGHTING. REFER TO LIGHTING CONTROL INTENT SCHEDULE ON SHEET E601.



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**FIRST FLOOR
LIGHTING
PLAN**

0917-18

JULY 31, 2026

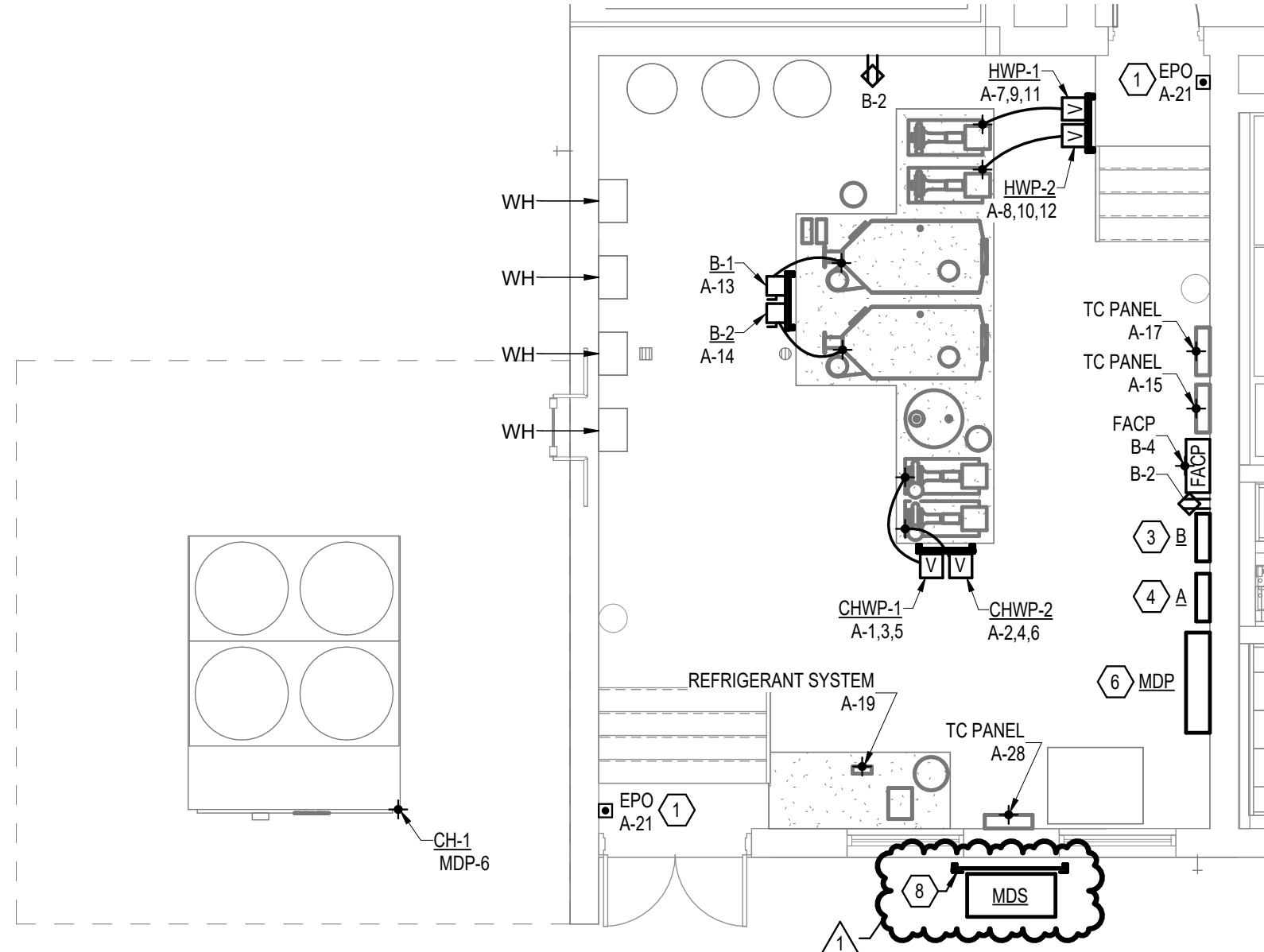
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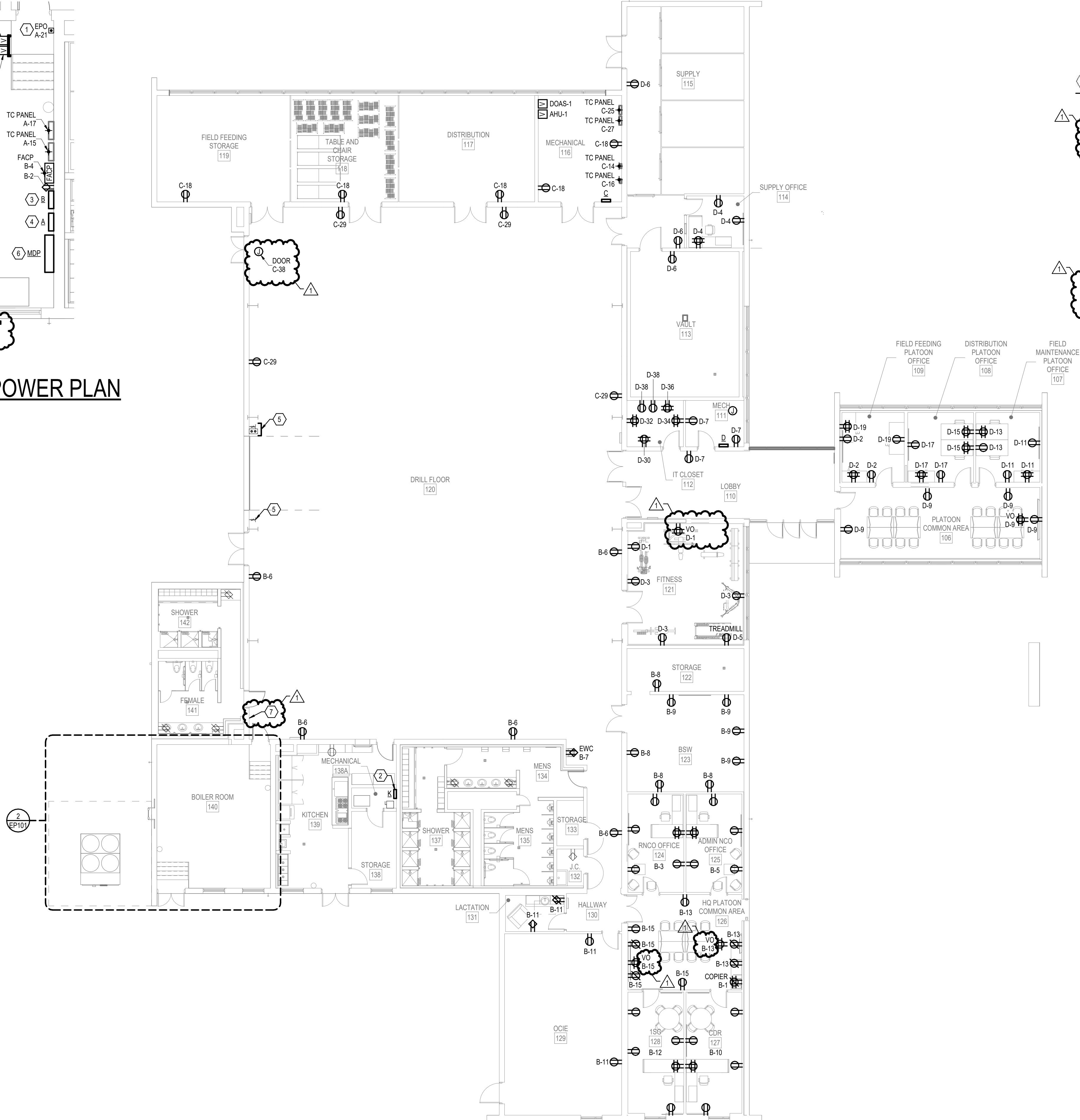
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| 1 ADD. #1 | 8/14/2026 |
| 2 ADD. #2 | 8/24/2026 |



EL101



2 ENLARGED BOILER ROOM 140 POWER PLAN
3/16" = 1'-0"



1 FIRST FLOOR POWER PLAN
3/32" = 1'-0"

GENERAL NOTES

- A REFER TO SHEET E000 FOR GENERAL ELECTRICAL NOTES, SYMBOLS AND ABBREVIATIONS.
- B REFER TO SHEET E002 FOR ADDITIONAL INFORMATION.
- C VERIFY HEIGHT OF ALL COUNTERTOP RECEPTACLES WITH ARCHITECTURAL ELEVATIONS PRIOR TO ROUGH-IN.
- D THE INSTALLATION OF RECEPTACLES TAGGED WITH "VO" SHALL BE COORDINATED WITH AV INSTALLER PRIOR TO ROUGH-IN.
- E COORDINATE COLOR FINISH OF ALL DEVICES AND PLATES WITH INTERIOR DRAWINGS.

SHEET KEYNOTES

- 1 PROVIDE EPO BUTTON. WHEN ACTIVATED IT SHALL SHUT OFF ALL BOILER
- 2 PROVIDE POWER TO CIRCUITS THAT REMAINED IN KITCHEN 139, STORAGE 138, MECHANICAL 138A, SHOWER 137, MENS 135, STORAGE 133, J.C. 132, FEMALE 141, AND SHOWER 142. MODIFY/EXTEND CIRCUITS AS REQUIRED. ASSIGN SPARE BREAKERS TO REMAINING SPACES.
- 3 PROVIDE POWER TO CIRCUITS THAT REMAINED IN FEMALE 141 AND SHOWER 142 FROM THIS PANEL. USE (1) SPARE BREAKER IN PANEL. MODIFY/EXTEND CIRCUITS AS REQUIRED.
- 4 PROVIDE POWER TO EXISTING MECHANICAL/PLUMBING EQUIPMENT THAT REMAINED FROM THIS PANEL. PROVIDE ADEQUATELY SIZED BREAKERS PER NEC. MODIFY/EXTEND CIRCUITS AS REQUIRED.
- 5 PROVIDE POWER TO EXISTING CIRCUIT FROM PANEL "B" LOCATED IN BOILER ROOM 140. MODIFY/EXTEND CIRCUITS AS REQUIRED AND PROVIDE ALL ACCESSORIES.
- 6 INSTALL AND INTERCONNECT ELECTRICAL POWER MONITORING SYSTEM WITH BUILDING MANAGEMENT SYSTEM. ELECTRICAL POWER MONITORING SYSTEM FURNISHED BY TCC AND INSTALLED BY EC. COORDINATE FINAL
- 7 PROVIDE 120V/1PH BRANCH CIRCUIT FROM PANEL "A" LOCATED IN BOILER ROOM 140 TO POWER EXISTING IT PANEL. PROVIDE 20A BREAKER TO SERVE CIRCUIT.
- 8 PROVIDE UNISTRUT TO INSTALL MAIN DISCONNECT SWITCH. INSTALL IN A



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FIRST FLOOR POWER PLAN

0917-18

JULY 31, 2026

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1 ADD. #2 8/24/2026



EP101



1 FIRST FLOOR ABOVE CEILING POWER PLAN
3/32" = 1'-0"

GENERAL NOTES

- A REFER TO SHEET E000 FOR GENERAL ELECTRICAL NOTES, SYMBOLS AND ABBREVIATIONS.
- B REFER TO SHEET E602 FOR ADDITIONAL INFORMATION.
- C VERIFY HEIGHT OF ALL COUNTERTOP RECEPTACLES WITH ARCHITECTURAL ELEVATIONS PRIOR TO ROUGH-IN.
- D THE INSTALLATION OF RECEPTACLES TAGGED WITH "VO" SHALL BE COORDINATED WITH A/V INSTALLER PRIOR TO ROUGH-IN.
- E COORDINATE COLOR FINISH OF ALL DEVICES AND PLATES WITH INTERIOR DRAWINGS.

SHEET KEYNOTES

- 1 PROVIDE UNISTRUT TO MOUNT DISCONNECT SWITCH TO CEILING ABOVE FAN COIL UNIT.
- 2 PROVIDE UNISTRUT TO MOUNT COMBINATION MOTOR CONTROLLER TO CEILING ABOVE EQUIPMENT.



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FIRST FLOOR
ABOVE
CEILING
POWER PLAN

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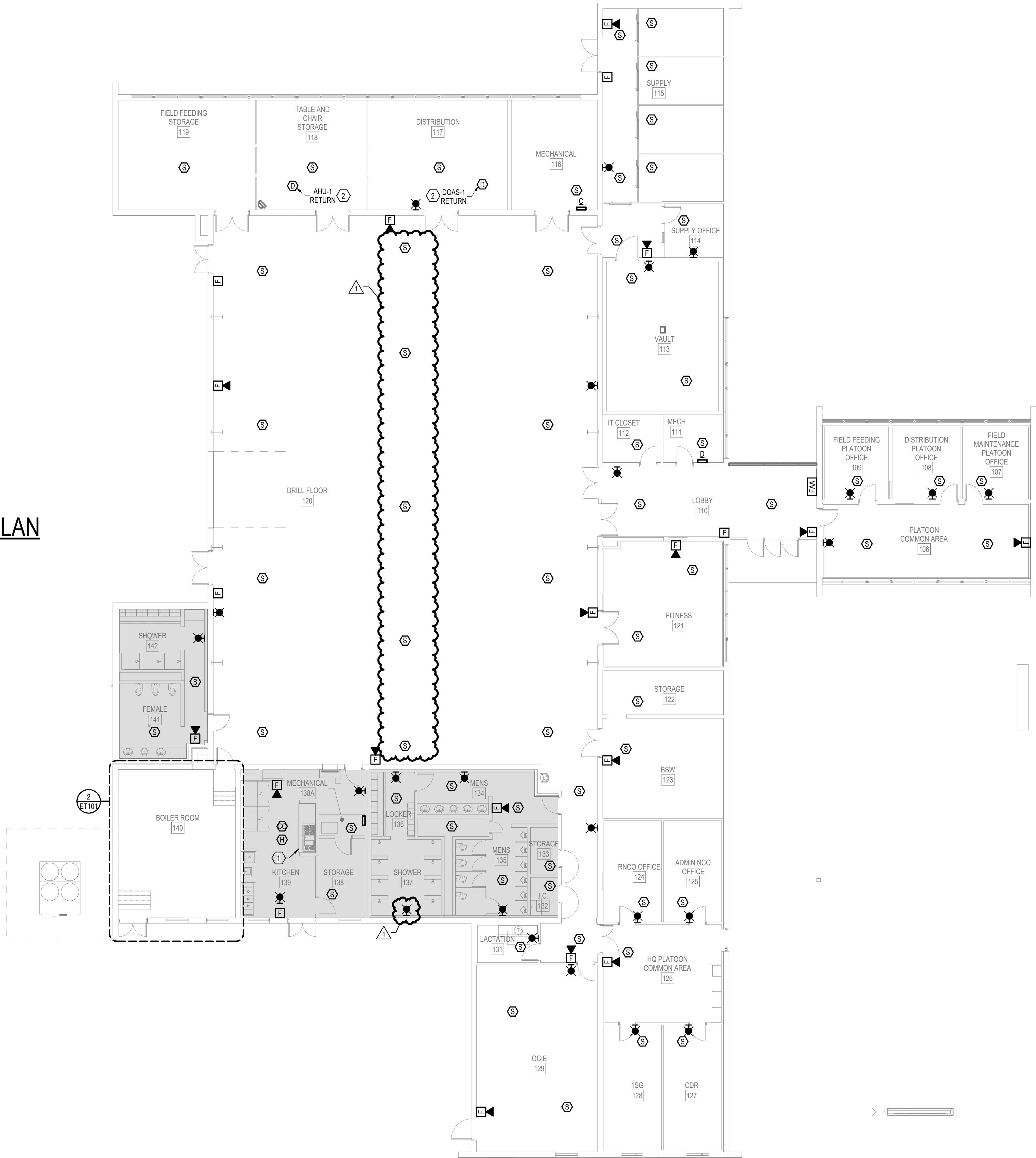
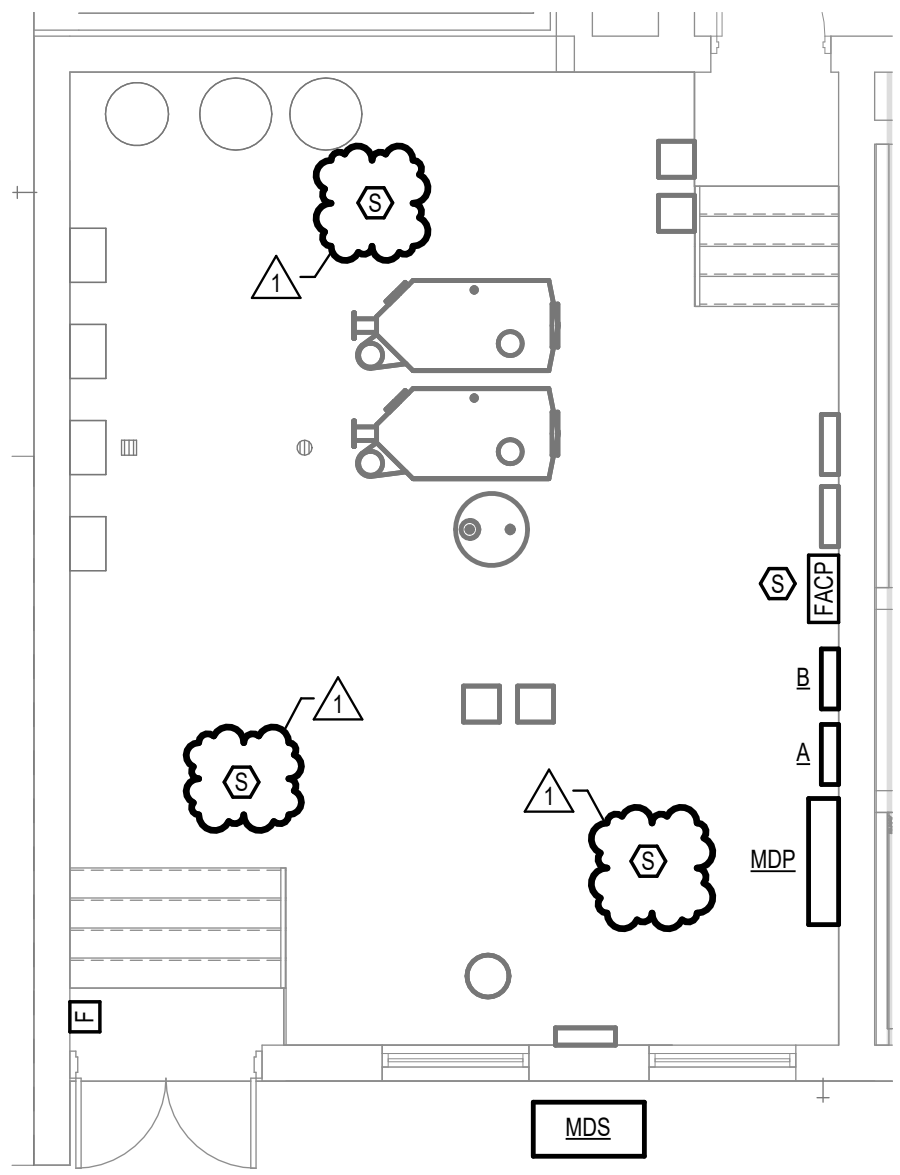
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1 ADD. #2 8/24/2026



EP102

2 ENLARGED BOILER ROOM 140 FIRE ALARM PLAN
3/16" = 1'-0"



1 FIRST FLOOR FIRE ALARM PLAN
3/32" = 1'-0"

GENERAL NOTES

- REFER TO SHEET E000 FOR GENERAL ELECTRICAL NOTES, SYMBOLS AND ABBREVIATIONS.
- FIRE ALARM INITIATING DEVICES SHALL NOT BE INSTALLED WITHIN 36 INCHES HORIZONTALLY FROM ANY FORCED AIR HVAC DIFFUSERS OR THE END OF CEILING BLADES.
- PROVIDE REMOTE INDICATORS FOR ANY NEW DUCT SMOKE DETECTORS. COORDINATE FINAL MOUNTING LOCATION WITH ARCHITECT BEFORE ROUGH-IN.

SHEET KEYNOTES

- INTERCONNECT HOOD ANSUL SYSTEM WITH FIRE ALARM SYSTEM.
- COORDINATE DUCT SMOKE DETECTOR'S FINAL LOCATION WITH MECHANICAL DRAWINGS BEFORE ROUGH-IN.



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FIRST FLOOR
FIRE ALARM
PLAN

0917-18

JULY 31, 2026

BID DOCUMENTS

REVISIONS

1 ADD. #2 8/24/2026



ET101

LIGHTING FIXTURE SCHEDULE - INTERIOR BASE BID													
NOTES: 1. EQUAL MANUFACTURERS MUST MEET OR EXCEED PERFORMANCE, AESTHETICS AND FABRICATION OF BASE MANUFACTURER. 2. CONTRACTOR IS RESPONSIBLE FOR ALL MISCELLANEOUS HARDWARE NECESSARY TO INSTALL AND OPERATE LIGHT FIXTURES IN NORMAL AND EMERGENCY FUNCTION. 3. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR CEILING TYPE AND HEIGHT. 4. CONTRACTOR TO VERIFY COMPATIBILITY OF CEILING WITH LIGHT FIXTURES PRIOR TO SHOP DRAWING SUBMITTALS AND NOTIFY ARCHITECT/ENGINEER OF ANY ISSUES WITH PROPOSED INSTALLATION. 5. ALL LIGHT FIXTURES SHALL BE 'BUY AMERICAN ACT' (BAA) AND/OR 'TRADE AGREEMENT ACT' (TAA) COMPLIANT.													
UNIT ID	BASE MANUFACTURER		EQUAL MANUFACTURER	LAMP	VOLTS	WATTS	UNITS	LUMENS	UNITS	CCT	LOCATION(S)	MOUNT	DESCRIPTION
LP1	COLUMBIA: MPS4-40-HL-C-W-U	METALUX: 'SNX' SERIES LITHONIA: 'ZL1D' SERIES DAYBRITE: 'FSS' SERIES	LED	120 V	42 W	/FIXTURE	5500 LM	/FIXTURE	4000K		EQUIP/STORAGE	SUSPENDED	4' L SURFACE MOUNT/SUSPENDED STRIP FIXTURE WITH CURVED ACRYLIC LENS AND WIDE DISTRIBUTION.
LP1E	COLUMBIA: MPS4-40-HL-C-W-U-ELL14	METALUX: 'SNX' SERIES LITHONIA: 'ZL1D' SERIES DAYBRITE: 'FSS' SERIES	LED	120 V	42 W	/FIXTURE	5500 LM	/FIXTURE	4000K		EQUIP	SUSPENDED	SAME AS TYPE LP1 WITH INTEGRAL EMERGENCY BATTERY.
LP2	ILP: EDV-18L-U-40-FRL-BLK-X-X	STARTEK: 'AVND' SERIES LITHONIA: '1BG' SERIES DAYBRITE: 'FBZ' SERIES	LED	120 V	131 W	/FIXTURE	18000 LM	/FIXTURE	4000K		DRILL HALL	RIGID STEM	25" L X 16" W X 4" H SUSPENDED HIGH BAY WITH IMPACT RESISTANT LENS AND 0-10V DIM. PROVIDE WITH BLACK FINISH.
LP2E	ILP: EDV-18L-U-35-FRL-BLK-X-X-EM25	STARTEK: 'AVND' SERIES LITHONIA: '1BG' SERIES DAYBRITE: 'FBZ' SERIES	LED	120 V	131 W	/FIXTURE	18000 LM	/FIXTURE	4000K		DRILL HALL	RIGID STEM	SAME AS TYPE 'L4' WITH INTEGRATED EMERGENCY BATTERY.
LP3-8	NULITE: RP24-D-ST-F-06-L-40-UNV-D-X-1-1-X-WH-TX-X-X-8	FOCAL POINT: 'SEEM2' SERIES MARK: 'S2P2' SERIES FINELITE: 'HP2' SERIES	LED	120 V	10 W	/LFT	750 LM	/LFT	4000K		CLASSROOM	SUSPENDED	2.5" WIDE X 4" DEEP STEM MOUNT LINEAR WITH DIFFUSE FLUSH LENS AND 0-10V DIMMING.
LP3-12	NULITE: RP24-D-ST-F-06-L-40-UNV-D-X-1-1-X-WH-TX-X-X-12	FOCAL POINT: 'SEEM2' SERIES MARK: 'S2P2' SERIES FINELITE: 'HP2' SERIES	LED	120 V	10 W	/LFT	750 LM	/LFT	4000K		CLASSROOM	SUSPENDED	2.5" WIDE X 4" DEEP STEM MOUNT LINEAR WITH DIFFUSE FLUSH LENS AND 0-10V DIMMING.
LR2	COLUMBIA: LCAT24-40-HL-G-ED-U	METALUX: '24CZ2' SERIES LITHONIA: 'BLT24' SERIES DAYBRITE: 'FGX' SERIES	LED	120 V	50 W	/FIXTURE	5500 LM	/FIXTURE	4000K		OFFICES	RECESSED GRID	2' X 4' RECESSED ARCHITECTURAL TROFFER WITH CURVED CENTER ACRYLIC FROSTED LENS AND 0-10V DIMMING.
LR3	VANTAGE: VIC40FCR-U-15-40K-F4060-SGC-SDM	PORTFOLIO: 'LD4C' SERIES GOTHAM: 'EVO4' SERIES LIGHTOLIER: 'P4R' SERIES	LED	120 V	21 W	/FIXTURE	1500 LM	/FIXTURE	4000K		GENERAL	RECESSED	4" RECESSED DOWNLIGHT WITH MEDIUM DISTRIBUTION AND 0-10V DIMMING.
LR3E	VANTAGE: VIC40FCR-U-15-40K-F4060-SGC-SDM-EM	PORTFOLIO: 'LD4C' SERIES GOTHAM: 'EVO4' SERIES LIGHTOLIER: 'P4R' SERIES	LED	120 V	21 W	/FIXTURE	1500 LM	/FIXTURE	4000K		GENERAL	RECESSED	SAME AS TYPE 'L3E' WITH INTEGRAL EMERGENCY BATTERY
LR4-8	NULITE: RG2-D-ST-F-09-L-40-UNV-D-X-1-1-X-8	FOCAL POINT: 'SEEM2' SERIES MARK: 'S2P2' SERIES FINELITE: 'HP2R' SERIES	LED	120 V	8 W	/LFT	750 LM	/LFT	4000K		GENERAL	RECESSED	2.5" WIDE X 4" DEEP RECESSED LINEAR WITH DIFFUSE FLUSH LENS AND 0-10V DIMMING.
LS1	COLUMBIA: MPS4-40-HL-C-W-U	METALUX: 'SNX' SERIES LITHONIA: 'ZL1D' SERIES DAYBRITE: 'FSS' SERIES	LED	120 V	42 W	/FIXTURE	5500 LM	/FIXTURE	4000K		STORAGE	SURFACE	4' L SURFACE MOUNT/SUSPENDED STRIP FIXTURE WITH CURVED ACRYLIC LENS AND WIDE DISTRIBUTION.
LS2	GREEN CREATIVE: PXCYL-4-SM-LEM-90-40-X-MD-X-CC	FC: 'FC400' SERIES GOTHAM: 'EVO4SC' SERIES SPECTRUM: 'GAMMA' SERIES	LED	120 V	20 W	FIXTURE	1500 LM	/FIXTURE	4000K		DRILL PASSAGE	SURFACE	4" X 9" H ROUND SURFACE MOUNT CYLINDER WITH CONDUIT CANOPY.
LS2E	GREEN CREATIVE: PXCYL-4-SM-LEM-90-40-X-MD-X-CC-EM	FC: 'FC400' SERIES GOTHAM: 'EVO4SC' SERIES SPECTRUM: 'GAMMA' SERIES	LED	120 V	20 W	FIXTURE	1500 LM	/FIXTURE	4000K		DRILL PASSAGE	SURFACE	SAME AS TYPE 'LS2' WITH INTEGRAL EMERGENCY BATTERY.
X1	BEGHELLI: FORMA	EVENLITE: 'CCDS' SERIES ISOLITE: 'LPDC' SERIES EXTRONIX: '400EX' SERIES	LED	120 V	2 W	FIXTURE		/FIXTURE			EGRESS	WALL	SINGLE FACE WALL MOUNT EXIT SIGN WITH INTEGRATED EMERGENCY BATTERY, SELF DIAGNOSTICS AND RED LETTERING AND SELF-DIAGNOSTICS.

LIGHTING FIXTURE SCHEDULE - EXTERIOR BASE BID													
NOTES: 1. EQUAL MANUFACTURERS MUST MEET OR EXCEED PERFORMANCE, AESTHETICS AND FABRICATION OF BASE MANUFACTURER. 2. CONTRACTOR IS RESPONSIBLE FOR ALL MISCELLANEOUS HARDWARE NECESSARY TO INSTALL AND OPERATE LIGHT FIXTURES IN NORMAL AND EMERGENCY FUNCTION. 3. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR CEILING TYPE AND HEIGHT. 4. CONTRACTOR TO VERIFY COMPATIBILITY OF CEILING WITH LIGHT FIXTURES PRIOR TO SHOP DRAWING SUBMITTALS AND NOTIFY ARCHITECT/ENGINEER OF ANY ISSUES WITH PROPOSED INSTALLATION. 5. ALL LIGHT FIXTURES SHALL BE 'BUY AMERICAN ACT' (BAA) AND/OR 'TRADE AGREEMENT ACT' (TAA) COMPLIANT. 6. CONFIRM 4000K CCT IS ACCEPTABLE FOR ALL EXTERIOR LIGHT FIXTURES.													
UNIT ID	BASE MANUFACTURER		EQUAL MANUFACTURER	LAMP	VOLTS	WATTS	UNITS	LUMENS	UNITS	CCT	LOCATION(S)	MOUNT	DESCRIPTION
SC1	LITON: DL360B-B45-1.15-UE-D10-X	FC: 'FC600' SERIES GOTHAM: 'EVO6SC' SERIES SPECTRUM: 'GAMMA' SERIES	LED	120 V	15 W	FIXTURE	1500 LM	/FIXTURE	4000K		CANOPY	SURFACE	6" ROUND SURFACE MOUNT CYLINDER WITH BLACK FINISH, 0-10V DIM, LISTED FOR WET LOCATIONS. PROVIDE WITH EXTERNAL EXTERIOR RATED PIR OCC SENSOR WITH AUTO DIMMING CAPABILITY.
SC1E	LITON: DL360B-B45-1.15-UE-D10-EMA-X	FC: 'FC600' SERIES GOTHAM: 'EVO6SC' SERIES SPECTRUM: 'GAMMA' SERIES	LED	120 V	15 W	FIXTURE	1500 LM	/FIXTURE	4000K		CANOPY	SURFACE	SAME AS TYPE 'SC1' WITH EMERGENCY BATTERY IN CANOPY.
SW1E	BEACON: TRP2-160L-25-4K7-3-UNV-BLT-BTSO-12F-EH	MCGRAW-EDISON: 'ISC' SERIES LITHONIA: 'WSTLED' SERIES GARROD: '101L' SERIES	LED	120 V	25 W	FIXTURE	2500 LM	/FIXTURE	4000K		BUILDING	WALL	EXTERIOR WALL PACK WITH TYPE 3 DISTRIBUTION, 0-10V DIM, INTEGRAL PIR OCC SENSOR WITH AUTO DIMMING CAPABILITY, INTEGRAL EMERGENCY BATTERY AND BLACK FINISH.

LIGHTING CONTROL SEQUENCE						
NOTES: 1. LIGHTING CONTROLS SHALL COMPLY WITH THE FOLLOWING CODES AND STANDARDS: NATIONAL ELECTRICAL CODE (NEC), ILLUMINATING ENGINEERING SOCIETY (IES) RECOMMENDATIONS, AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI), INDIANAN BUILDING CODE (IBC), ASHRAE 90.1-2007, UNIFIED FACILITIES CRITERIA (UFC), TOWN OF CRAWFORDSVILLE EXTERIOR LIGHTING ORDINANCES. 2. UNLESS NOTED OTHERWISE ON LIGHTING PLAN, ALL OCCUPANCY SENSORS TO BE PROVIDED WITH AN ADDITIONAL RELAY FOR INTERFACE WITH HVAC SYSTEM.						
CONTROL DESIGNATION	SPACE/AREA TYPE	CONTROL INTENT	COMPONENTS	EMERGENCY	CEILING HEIGHT>12'-0"	NOTES
LC01	VESTIBULE	FIXTURES TURN TO FULL ON WHEN OCCUPANCY IS DETECTED AND TURN OFF WHEN OCCUPANCY HAS NOT BEEN DETECTED FOR 20 MINUTES.	CEILING MOUNT/RIGID PENDANT MOUNT DUAL TECH OCCUPANCY SENSOR(S)	EMERGENCY FIXTURES FORCED ON VIA INTEGRAL EMERGENCY BATTERY BACKUP		
LC02	CORRIDORS	FIXTURES TURN TO FULL ON WHEN OCCUPANCY IS DETECTED AND TURN OFF WHEN OCCUPANCY HAS NOT BEEN DETECTED FOR 20 MINUTES.	CEILING MOUNT/RIGID PENDANT MOUNT DUAL TECH OCCUPANCY SENSOR(S)	EMERGENCY FIXTURES FORCED ON VIA INTEGRAL EMERGENCY BATTERY BACKUP		
LC03	LOBBY	FIXTURES TURN TO FULL ON WHEN OCCUPANCY IS DETECTED AND TURN OFF WHEN OCCUPANCY HAS NOT BEEN DETECTED FOR 20 MINUTES.	CEILING MOUNT/RIGID PENDANT MOUNT DUAL TECH OCCUPANCY SENSOR(S)	EMERGENCY FIXTURES FORCED ON VIA INTEGRAL EMERGENCY BATTERY BACKUP		
LC04	PRIVATE OFFICES	FIXTURES TURN TO FULL ON WHEN OCCUPANCY IS DETECTED AND TURN OFF WHEN OCCUPANCY HAS NOT BEEN DETECTED FOR 20 MINUTES. LIGHT INTESITY ADJUSTED VIA WALL BOX DIMMER.	CEILING MOUNT DUAL TECH OCCUPANCY SENSOR(S), WALL MOUNT DIMMER SWITCH	N/A		
LC05	OPEN OFFICES	FIXTURES TURN TO FULL ON WHEN OCCUPANCY IS DETECTED AND TURN OFF WHEN OCCUPANCY HAS NOT BEEN DETECTED FOR 20 MINUTES. LIGHT INTESITY ADJUSTED VIA WALL BOX DIMMER.	CEILING MOUNT DUAL TECH OCCUPANCY SENSOR(S), WALL MOUNT DIMMER SWITCH	N/A		
LC06	CONFERENCE ROOMS	FIXTURES TURN TO FULL ON WHEN OCCUPANCY IS DETECTED AND TURN OFF WHEN OCCUPANCY HAS NOT BEEN DETECTED FOR 20 MINUTES. LIGHT INTESITY ADJUSTED VIA WALL BOX DIMMER.	CEILING MOUNT DUAL TECH OCCUPANCY SENSOR(S), WALL MOUNT DIMMER SWITCH	N/A		REFER TO LIGHTING PLANS FOR SWITCHLEG CONFIGURATION
LC07	CLASSROOMS	FIXTURES TURN TO FULL ON WHEN OCCUPANCY IS DETECTED AND TURN OFF WHEN OCCUPANCY HAS NOT BEEN DETECTED FOR 20 MINUTES. LIGHT INTESITY ADJUSTED VIA WALL BOX DIMMER.	CEILING MOUNT DUAL TECH OCCUPANCY SENSOR(S), WALL MOUNT DIMMER SWITCH	N/A		
LC08	DRILL HALL	FIXTURES TURN ON MANUALLY AND TURN OFF WHEN OCCUPANCY HAS NOT BEEN DETECTED FOR 20 MINUTES. REFER TO ZONE DESIGNATIONS ON LIGHTING PLANS.	RIGID PENDANT MOUNT HIGH BAY OCCUPANCY SENSORS (VACANCY SENSING ONLY), WALL MOUNT SCENE CONTROL	EMERGENCY FIXTURES FORCED ON VIA INTEGRAL EMERGENCY BATTERY BACKUP	YES	REFER TO LIGHTING PLANS FOR SWITCHLEG CONFIGURATION
LC09	EQUIPMENT	FIXTURES TURN ON/OFF MANUALLY.	LOCAL SNAP SWITCH.	EMERGENCY FIXTURES FORCED ON VIA INTEGRAL EMERGENCY BATTERY BACKUP.		
LC10	STORAGE	FIXTURES TURN TO FULL ON WHEN OCCUPANCY IS DETECTED AND TURN OFF WHEN OCCUPANCY HAS NOT BEEN DETECTED FOR 10 MINUTES.	CEILING MOUNT/WALL MOUNT DUAL TECH OCCUPANCY SENSOR(S)	N/A		
LC11	RECRUITING	FIXTURES TURN TO FULL ON WHEN OCCUPANCY IS DETECTED AND TURN OFF WHEN OCCUPANCY HAS NOT BEEN DETECTED FOR 20 MINUTES. LIGHT INTESITY ADJUSTED VIA WALL BOX DIMMER.	CEILING MOUNT/RIGID PENDANT MOUNT DUAL TECH OCCUPANCY SENSOR(S), WALL MOUNT DIMMER SWITCH.	N/A		
LC12	FITNESS	FIXTURES TURN TO FULL ON WHEN OCCUPANCY IS DETECTED AND TURN OFF WHEN OCCUPANCY HAS NOT BEEN DETECTED FOR 20 MINUTES. LIGHT INTESITY ADJUSTED VIA WALL BOX DIMMER.	CEILING MOUNT DUAL TECH OCCUPANCY SENSOR(S)	N/A		
LC13	EXTERIOR BUILDING MOUNT	ON AT DUSK/OFF AT DAWN, FIXTURES AUTO DIM TO 30% AFTER 10 MINUTES OF NO DETECTED MOTION.	ASTRONOMICAL TIMECLOCK WITH PHOTOCCELL BACKUP.	EMERGENCY FIXTURES FORCED ON VIA INTEGRAL EMERGENCY BATTERY BACKUP.		COORDINATE FINAL PROGRAMMING WITH OWNER.
LC14	EXTERIOR SIGN/LAGPOLE	ON AT DUSK/OFF AT DAWN	ASTRONOMICAL TIMECLOCK WITH PHOTOCCELL BACKUP.	N/A		COORDINATE FINAL PROGRAMMING WITH OWNER.



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E601

EQUIPMENT ELECTRICAL CONNECTIONS										
DEVICE TAG	VOLTAGE	PHASE	MCA	# OF CURRENT CARRYING CONDUCTORS	WIRE SIZE	GND SIZE	CND SIZE / CABLE TYPE	PLUG / DISCONNECT		
B-1	120 V	1	12.5	3	#8	#10	3/4"	VFD WITH INTEGRAL DISCONNECT		
				2	#12	#12	3/4"	30A NEMA 1 NON-FUSED DISCONNECT SWITCH		
				2	#12	#12	3/4"	30A NEMA 1 NON-FUSED DISCONNECT SWITCH		
B-2	120 V	1	12.5	2	#12	#12	3/4"	SINGLE POINT CONNECTION (DISCONNECT PROVIDED BY MANUFACTURER)		
CHWP-1	208 V	3	21	3	#10	#10	3/4"	VFD WITH INTEGRAL DISCONNECT		
CP-AHU-1	120 V	1	17.25	3	#10	#10	3/4"	VFD WITH INTEGRAL DISCONNECT		
				2	#12	#12	3/4"	NEMA 1 SIZE 1 COMBINATION MOTOR CONTROLLER AND DISCONNECT IN NEMA 1 ENCLOSURE		
				2	#12	#12	3/4"	NEMA 1 SIZE 1 COMBINATION MOTOR CONTROLLER AND DISCONNECT IN NEMA 1 ENCLOSURE		
CP-AHU-2	120 V	1	17.25	2	#12	#12	3/4"	NEMA 1 SIZE 1 COMBINATION MOTOR CONTROLLER AND DISCONNECT IN NEMA 1 ENCLOSURE		
CP-AHU-3	120 V	1	12.25	2	#12	#12	3/4"	NEMA 1 SIZE 1 COMBINATION MOTOR CONTROLLER AND DISCONNECT IN NEMA 1 ENCLOSURE		
CP-DOAS-2	120 V	1	9	2	#12	#12	3/4"	NEMA 1 SIZE 1 COMBINATION MOTOR CONTROLLER AND DISCONNECT IN NEMA 1 ENCLOSURE		
				3	#12	#12	3/4"	VFD WITH INTEGRAL DISCONNECT		
				2	#12	#12	3/4"	SINGLE POINT CONNECTION (DISCONNECT PROVIDED BY MANUFACTURER)		
EF-6	120 V	1	8	2	#12	#12	3/4"	SINGLE POINT CONNECTION (DISCONNECT PROVIDED BY MANUFACTURER)		
EF-7	120 V	1	8	2	#12	#12	3/4"	SINGLE POINT CONNECTION (DISCONNECT PROVIDED BY MANUFACTURER)		
EF-8	120 V	1	8	2	#12	#12	3/4"	SINGLE POINT CONNECTION (DISCONNECT PROVIDED BY MANUFACTURER)		
EF-9	120 V	1	8	2	#12	#12	3/4"	SINGLE POINT CONNECTION (DISCONNECT PROVIDED BY MANUFACTURER)		
EUH-1	208 V	3	22	3	#10	#10	3/4"	SINGLE POINT CONNECTION (DISCONNECT PROVIDED BY MANUFACTURER)		
EUH-2	208 V	1	20	2	#12	#12	3/4"	SINGLE POINT CONNECTION (DISCONNECT PROVIDED BY MANUFACTURER)		
EUH-3	208 V	1	20	2	#12	#12	3/4"	SINGLE POINT CONNECTION (DISCONNECT PROVIDED BY MANUFACTURER)		
FC-1	120 V	1	10	2	#12	#12	3/4"	30A NEMA 1 FUSED DISCONNECT SWITCH (20A FUSES)		
FC-2	120 V	1	8	2	#12	#12	3/4"	30A NEMA 1 FUSED DISCONNECT SWITCH (20A FUSES)		
FC-3	120 V	1	8	2	#12	#12	3/4"	30A NEMA 1 FUSED DISCONNECT SWITCH (20A FUSES)		
FC-4	120 V	1	8	2	#12	#12	3/4"	30A NEMA 1 FUSED DISCONNECT SWITCH (20A FUSES)		
FC-5	120 V	1	5	2	#12	#12	3/4"	30A NEMA 1 FUSED DISCONNECT SWITCH (20A FUSES)		
FC-6	120 V	1	8	2	#12	#12	3/4"	30A NEMA 1 FUSED DISCONNECT SWITCH (20A FUSES)		
FC-7	120 V	1	5	2	#12	#12	3/4"	30A NEMA 1 FUSED DISCONNECT SWITCH (20A FUSES)		
FC-8	120 V	1	8	2	#12	#12	3/4"	30A NEMA 1 FUSED DISCONNECT SWITCH (20A FUSES)		
FC-9	120 V	1	5	2	#12	#12	3/4"	30A NEMA 1 FUSED DISCONNECT SWITCH (20A FUSES)		
FC-10	120 V	1	8	2	#12	#12	3/4"	30A NEMA 1 FUSED DISCONNECT SWITCH (20A FUSES)		
FC-11	120 V	1	8	2	#12	#12	3/4"	30A NEMA 1 FUSED DISCONNECT SWITCH (20A FUSES)		
HWP-1	208 V	3	21	3	#10	#10	3/4"	VFD WITH INTEGRAL DISCONNECT		
HWP-2	208 V	3	21	3	#10	#10	3/4"	VFD WITH INTEGRAL DISCONNECT		
REFRIGERANT SYSTEM	120 V	1	16	2	#12	#12	3/4"	SINGLE POINT CONNECTION		
TC PANEL	120 V	1	16	2	#12	#12	3/4"	SINGLE POINT CONNECTION		

Branch Panel: K										
Location: MECHANICAL 138A				Volts: 120/208 Wye				A.I.C. Rating: 22,000 A		
Supply From: MDP				Phases: 3				Mains Type: MLO		
Mounting: SURFACE				Wires: 4				Bus Rating: 225 A		
Enclosure: NEMA 1										
CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1										2
3										4
5										6
7										8
9										10
11										12
13										14
15										16
17										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
43										44
45										46
47										48
49										50
51										52
53										54
Total Load:				0 VA	0 VA	0 VA				
Total Amps:				0 A	0 A	0 A				
Legend:										
Load Classification		Connected Load	Demand Factor	Estimated Demand	Panel Totals					
					Total Conn. Load:		0 VA			
					Total Est. Demand:		0 VA			
					Total Conn.:		0 A			
					Total Est. Demand:		0 A			
Notes:										
COORDINATE BREAKER SIZES WITH EXISTING CIRCUITS CONNECTED TO EXISTING PANEL. REFER TO ED101 AND EP101 FOR ADDITIONAL INFORMATION.										

Switchboard: MDP

Location: BOILER ROOM 140

Supply From: MDS

Mounting: WALL

Enclosure: NEMA 1

Volts: 120/208 Wye

Phases: 3

Wires: 4

A.I.C. Rating: 65,000 A

Mains Type: MLO

Mains Rating: 1200 A

Notes:

CKT	Circuit Description	# of Poles	Frame Size	Trip Rating	Load	Remarks
1	PANEL 'A'	3	400 A	400 A	42161 VA	
2	PANEL 'B'	3	225 A	225 A	14434 VA	
3	PANEL 'C'	3	400 A	400 A	35191 VA	
4	PANEL 'D'	3	225 A	225 A	36751 VA	
5	PANEL 'K'	3	225 A	225 A	225 A	
6	CH-1	3	350 A	350 A	90785 VA	
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
Total Conn. Load:					219322 VA	
Total Amps:					609 A	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	156467 VA	100.00%	156467 VA		
LIGHTING	12151 VA	125.00%	15189 VA	Total Conn. Load:	219322 VA
Other	0 VA	0.00%	0 VA	Total Est. Demand:	209840 VA
RECEIPT	35040 VA	64.27%	22520 VA	Total Conn.:	609 A
Miscellaneous Power	15664 VA	100.00%	15664 VA	Total Est. Demand:	582 A

Notes:



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E602



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E603

Branch Panel: A															
Location: BOILER ROOM 140						Volts: 120/208 Wye						A.I.C. Rating: 42,000 A			
Supply From: MDP						Phases: 3						Mains Type: MLO			
Mounting: SURFACE						Wires: 4						Bus Rating: 400 A			
Enclosure: NEMA 1															
CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT		
1				2018	2018								2		
3	CHWP-1	35 A	3			2018	2018			3	35 A	CHWP-2	4		
5								2018	2018				6		
7				2018	2018								8		
9	HWP-1	30 A	3			2018	2018			3	30 A	HWP-2	10		
11								2018	2018				12		
13	B-1	20 A	1	960	960					1	20 A	B-2	14		
15	TC PANEL	20 A	1			1600	768			1	15 A	FC-6	16		
17	TC PANEL	20 A	1					1600	480	1	15 A	FC-7	18		
19	REFRIGERANT SYSTEM	20 A	1	1600	480					1	15 A	FC-8	20		
21	EPO - EMERGENCY BUTTON	20 A	1			400	768			1	15 A	FC-9	22		
23	EF-4	20 A	1					768	768	1	15 A	FC-10	24		
25	SPARE	20 A	1		768	768				1	15 A	FC-11	26		
27													28		
29	EUH-1	30 A	3			1220	1600			1	20 A	SPARE	30		
31				1220	0			1220	0	1	20 A	SPARE	32		
33	SPARE	20 A	1			0	0			1	20 A	SPARE	34		
35	SPARE	20 A	1					0	0	1	20 A	SPARE	36		
37	SPARE	20 A	1	0	0					1	20 A	SPARE	38		
39	SPARE	20 A	1							1	20 A	SPARE	40		
41	SPARE	20 A	1					0	0	1	20 A	SPARE	42		
43	SPARE	20 A	1	0	0					1	20 A	SPARE	44		
45	SPARE	20 A	1			0	0			1	20 A	SPARE	46		
47	SPARE	20 A	1					0	0	1	20 A	SPARE	48		
49	SPARE	20 A	1	0	0					1	20 A	SPARE	50		
51	SPARE	20 A	1			0	0			1	20 A	SPARE	52		
53	SPARE	20 A	1					0	0	1	20 A	SPARE	54		
Total Load:				126 A		122 A		108 A							
Total Amps:				126 A		122 A		108 A							
Legend:															
Load Classification				Connected Load		Demand Factor		Estimated Demand		Panel Totals					
HVAC				37729 VA		100.00%		37729 VA		Total Conn. Load: 42161 VA					
Miscellaneous Power				4432 VA		100.00%		4432 VA		Total Est. Demand: 42161 VA					
										Total Conn.: 117 A					
										Total Est. Demand: 117 A					
Notes:															

Branch Panel: B															
Location: BOILER ROOM 140						Volts: 120/208 Wye						A.I.C. Rating: 42,000 A			
Supply From: MDP						Phases: 3						Mains Type: MLO			
Mounting: SURFACE						Wires: 4						Bus Rating: 225 A			
Enclosure: NEMA 1															
CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT		
1	RECEPT COPIER - 126	20 A	1	180	360					1	20 A	RECEPT - BOILER ROOM 140	2		
3	RECEPT - 124	20 A	1			1080	1600			1	20 A	FACP	4		
5	RECEPT - 125	20 A	1					1080	900	1	20 A	RECEPT - 120	6		
7	RECEPT EWC - 120	20 A	1	1400	720					1	20 A	RECEPT - 122, 123	8		
9	RECEPT - 123	20 A	1			720	1080			1	20 A	RECEPT - 127	10		
11	RECEPT - 129, 131	20 A	1					720	1080	1	20 A	RECEPT - 128	12		
13	RECEPT - 126	20 A	1	900	0					1	20 A	SPARE	14		
15	RECEPT - 126	20 A	1			1080	0			1	20 A	SPARE	16		
17	SPARE	20 A	1					0	0	1	20 A	SPARE	18		
19	LIGHTING - 129, 130, 131, 140	20 A	1	670	0					1	20 A	SPARE	20		
21	LIGHTING - 122, 123, 124, 125, 126, 127, 128	20 A	1			864	0			1	20 A	SPARE	22		
23	SPARE	20 A	1					0	0	1	20 A	SPARE	24		
25	SPARE	20 A	1	0	0					1	20 A	SPARE	26		
27	SPARE	20 A	1			0	0			1	20 A	SPARE	28		
29	SPARE	20 A	1					0	0	1	20 A	SPARE	30		
31	SPARE	20 A	1	0	0					1	20 A	SPARE	32		
33	SPARE	20 A	1			0	0			1	20 A	SPARE	34		
35	SPARE	20 A	1					0	0	1	20 A	SPARE	36		
37	SPARE	20 A	1	0	0					1	20 A	SPARE	38		
39	SPARE	20 A	1			0	0			1	20 A	SPARE	40		
41	SPARE	20 A	1					0	0	1	20 A	SPARE	42		
43	SPARE	20 A	1	0	0					1	20 A	SPARE	44		
45	SPARE	20 A	1							1	20 A	SPARE	46		
47	SPARE	20 A	1					0	0	1	20 A	SPARE	48		
49	SPARE	20 A	1	0	0					1	20 A	SPARE	50		
51	SPARE	20 A	1			0	0			1	20 A	SPARE	52		
53	SPARE	20 A	1					0	0	1	20 A	SPARE	54		
Total Load:				36 A		54 A		32 A							
Total Amps:				36 A		54 A		32 A							
Legend:															
Load Classification				Connected Load		Demand Factor		Estimated Demand		Panel Totals					
HVAC				1600 VA		100.00%		1600 VA		Total Conn. Load: 14434 VA					
LIGHTING				1534 VA		125.00%		1918 VA		Total Est. Demand: 14168 VA					
RECEPT				11300 VA		94.25%		10650 VA		Total Conn.: 40 A					
										Total Est. Demand: 39 A					
Notes:															

Branch Panel: C													
Location: MECHANICAL 116				Volts: 120/208 Wye				A.I.C. Rating: 22,000 A					
Supply From: MDP				Phases: 3				Mains Type: MLO					
Mounting: SURFACE				Wires: 4				Bus Rating: 400 A					
Enclosure: NEMA 1													
CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
3	FC-3	15 A	1	768	768	768	1664			1	15 A	FC-5	2
5	FC-2	15 A	1					768	1664	2	30 A	EUH-2	4
7	FC-1	15 A	1	960	480					1	15 A	FC-4	6
9	EUH-3	30 A	2			1664	1248			2	20 A	CP-DOAS-1	8
11								1664	1728	1	25 A	CP-DOAS-2	10
13	CP-AHU-1	20 A	1	1248	180					1	20 A	TC PANEL	12
15	CP-AHU-2	30 A	1			1920	180			1	20 A	TC PANEL	14
17	CP-AHU-3	25 A	1					1728	1080	1	20 A	RECEPT - 116, 117, 118, 119	16
19				60	768					1	20 A	EF-3	18
21	DOAS-1	20 A	3			60	60						20
23								60	60	3	50 A	AHU-1	22
25	TC PANEL	20 A	1	180	60								24
27	TC PANEL	20 A	1			180	180			1	20 A	AHU-1 LIGHTS	26
29	RECEPT - 120	20 A	1					720	180	1	20 A	DOAS-1 LIGHTS	28
31	LIGHTING - DRILL HALL (ABI-3)	20 A	1	1360	1900					1	20 A	AHU-1 HEATER	30
33	LIGHTING - DRILL HALL (ABI-3)	20 A	1			1360	1900			1	20 A	AHU-1 HEATER	32
35	LIGHTING - DRILL HALL (ABI-3)	20 A	1					816	1900	1	20 A	DOAS-1 LIGHTS	34
37	LIGHTING - 116, 117, 118, 119, 120	20 A	1	1542	180					1	20 A	DOORS	36
39						1185	0			1	20 A	SPARE	38
41	SPARE	20 A	1					0	0	1	20 A	SPARE	40
43	SPARE	20 A	1	0	0					1	20 A	SPARE	42
45	SPARE	20 A	1			0	0			1	20 A	SPARE	44
47	SPARE	20 A	1					0	0	1	20 A	SPARE	46
49	SPARE	20 A	1	0	0					1	20 A	SPARE	48
51	SPARE	20 A	1			0	0			1	20 A	SPARE	50
53	SPARE	20 A	1					0	0	1	20 A	SPARE	52
Total Load				10454 VA		12369 VA		12368 VA					
Total Amps:				87 A		106 A		106 A					
Legend:													
Load Classification				Connected Load		Demand Factor		Estimated Demand		Panel Totals			
HVAC				19868 VA		100.00%		19868 VA					
LIGHTING				6263 VA		125.00%		7829 VA		Total Conn. Load: 35191 VA			
RECEPT				2340 VA		100.00%		2340 VA		Total Est. Demand: 36757 VA			
Miscellaneous Power				6720 VA		100.00%		6720 VA		Total Conn.: 98 A			
										Total Est. Demand: 102 A			
Notes:													



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ONE-LINE
DIAGRAM

0917-18

JULY 31, 2026

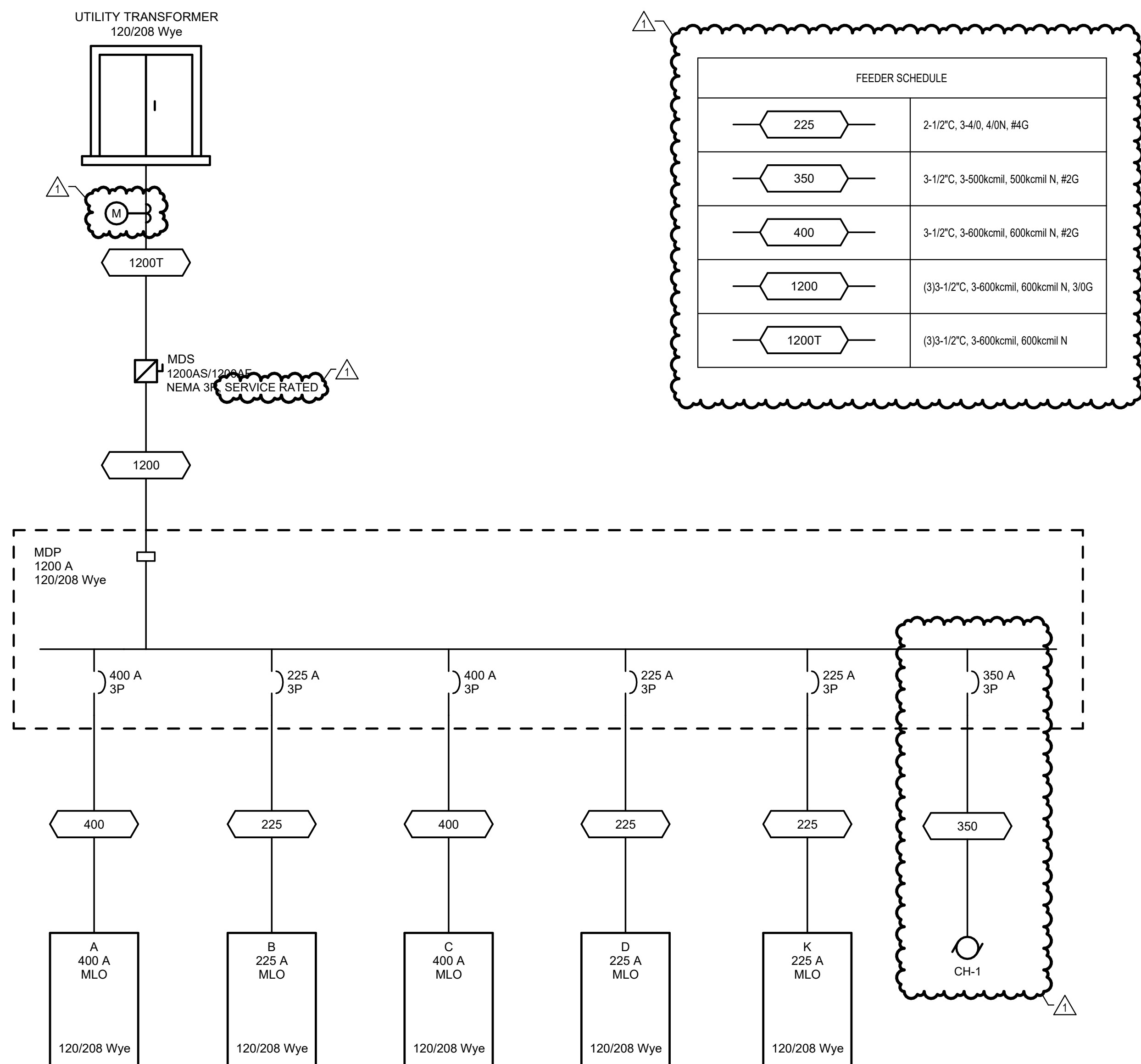
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REVISIONS

1 ADD. #2 8/24/2026



E901



1 ONE-LINE DIAGRAM
NOT TO SCALE



18240033

ABI 1
FOUNDATION
PLAN

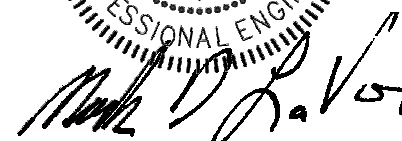
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2 ADDENDUM 2 08-27-26



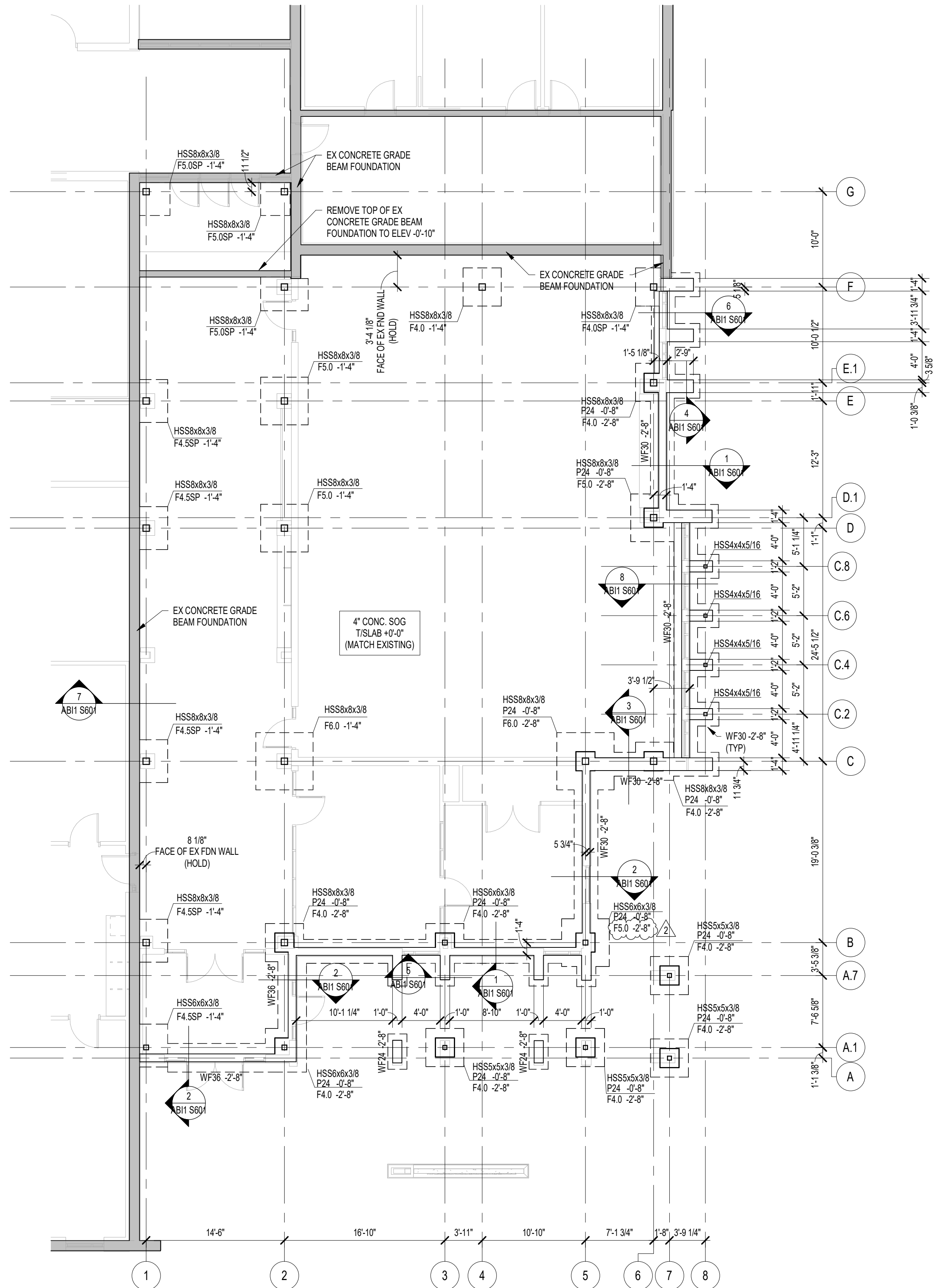
ABI 1 S201

1. REF. S001 & S002 FOR STRUCTURAL NOTES, DESIGN DATA, SCHEDULES & LEGENDS.
2. REF. THE S400 SERIES FOR TYPE/FOUNDATION AND MASONRY DETAILS.
3. ALL CONTRACTORS ARE REQUIRED TO COORDINATE THEIR WORK WITH ALL DISCIPLINES TO AVOID CONFLICTS. THE MECHANICAL, ELECTRICAL, AND PLUMBING ASPECTS ARE NOT IN THE SCOPE OF THESE DRAWINGS. THEREFORE, ALL REQUIRED MATERIALS AND WORK MAY NOT BE INDICATED.
4. ALL ELEVATIONS ARE REFERENCED FROM THE EXISTING FIRST FLOOR FIN FLOOR ELEVATION $+0'-0"$. VERIFY UGS ELEVATION WITH CIVIL DWGS.
5. ALL WALLS SHALL BE LAID OUT FROM THE ARCHITECTURAL DRAWINGS.
6. REF. ARCH. DRAWINGS FOR ALL DIMENSIONS NOT SHOWN. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION AND IMMEDIATELY NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES.
7. COORDINATE EXACT SIZE & LOCATION OF ALL MECHANICAL OPENINGS IN FDN. WALLS WITH THE MECHANICAL, ELECTRICAL & PLUMBING CONTRACTORS.
8. **NOTE:** PERIMETER FOOTINGS SHALL BE LOWERED AND/OR SLEEVED TO PASS BELOW PLUMBING LINES (E.G. SANITARY & STORM LINES, WATER LINES, ETC.) SHOWN ON THE PLUMBING DRAWINGS. PROVIDE FOOTING STEPS AS REQUIRED PER THE TYPE/DETAILS ON S401.
9. ALL SLAB RECESSES SHALL BE LOCATED PER THE ARCHITECTURAL DRAWINGS. COORDINATE DEPTHS OF ALL SLAB RECESSES WITH THE ARCHITECTURAL DRAWINGS AND/OR THE FLOORING SUPPLIER.
10. ALL EXISTING CONSTRUCTION SHOWN IN PLAN AND/OR SECTION WAS DERIVED FROM EXISTING DRAWINGS AND MUST BE FIELD VERIFIED. IF ANY DISCREPANCIES ARE DISCOVERED BETWEEN INFORMATION SHOWN AND/OR FIELD CONDITIONS AND ACTUAL CONDITIONS, IMMEDIATELY CONTACT THE ARCHITECT/ENGINEER FOR DIRECTION BEFORE PROCEEDING WITH THE WORK.
11. COORDINATE REINFORCING DOWELS FOR CMU VERTICAL REINFORCING WITH REINF. NOTED ON PLANS & SECTIONS.
12. GROUT ALL CORES OF CMU SOLD BELOW FIN FLOOR ELEVATION.
13. PROVIDE THICKENED SLAB UNDER ALL INTERIOR CMU WALLS WITHOUT FOOTINGS. SEE S401 FOR THICKENED SLAB DETAIL. REF. THE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF CMU WALLS.
14. ALL FOOTINGS SHALL BEAR ON APPROVED SOIL. UNDERCUT AS REQ'D TO SUITABLE BEARING MATERIAL AS DETERMINED BY THE GEOTECHNICAL TESTING AGENCY. REF. TYPICAL FOOTING UNDERCUT DETAILS ON S402.
15. PROVIDE CONTROL/CONTRACTION JOINTS IN SLABS ON GRADE (REF. TYPICAL DETAILS ON S401). ALL JOINTS IN SLABS TO RECEIVE TRIM OR TRIMOUT (E.G. TERRAZZO, CERAMIC OR PORCELAIN TILE, VINYL COMPLETION TILE (VCT) OR VINYL SHEET GOODS, EPOXY OR SIMILAR THIN-FILM FINISH FLOORING) SHALL BE CAREFULLY COORDINATED WITH THE FLOORING CONTRACTOR. THE CONTRACTOR SHALL SUBMIT SLAB JOINT LOCATION TO ARCHITECT/ENGINEER FOR REVIEW PRIOR TO PLACING SLABS.
16. EARTH-FORMED FOOTINGS ARE ACCEPTABLE WHERE THE SOIL CONDITIONS PERMIT. WHERE THE BANKS OF THE ELEVATION DO HOLD, THE EARTH-FORMED FOOTINGS ARE ACCEPTABLE. WHERE THE EARTH-FORMED FOOTINGS WILL BE INCREASED BY 2' AROUND ALL EDGES TO ACCOUNT FOR INACCURACIES ASSOCIATED WITH EARTH-FORMING (E.G. 2'-0" WIDE WALL FOOTINGS SHALL BE 2'-4" WIDE AND 5'-0" SQUARE COLUMN FOOTINGS SHALL BE 5'-4" SQUARE).
17. SUBSTITUTION OF POLYPROPYLENE FIBER STRAINING REINFORCING WITH WIRE FABRIC IS PERMITTED FOR SLABS ON GRADE **EXCEPT** FOR CYMNASIUM SLABS AND SLABS THAT RECEIVE EPOXY FINISH FLOORING (CORE LOCATIONS WITH ARCHITECTURAL FINISH PLANS).
18. REF. ARCHITECTURAL DWGS. FOR MASONRY CONTROL & EXPANSION JOINT LOCATIONS.
19. PLAN LEGEND.

FF DENOTES FIN. FLOOR
T/X* TOP OF FTG. SLAB, PIER, ETC.
B/X BOTTOM OF FTG. GRADE BEAM, ETC.
CJ DENOTES SLAB ON GRADE
CONTROL/CONTRACTION JOINT
WF24 -2'-8" DENOTES WALL FOOTING MARK & TOP OF
FOOTING ELEVATION (REF. WALL FTG SCHED.)
TB24x24 -1'-4" DENOTES THE BEAM MARK & T/B/EAM
ELEVATION (REF. THE BEAM SCHEDULE)
DENOTES WALL FOOTING WITH STEPS.
REF. TYP. DETAIL ON S401
DENOTES CMU FOUNDATION WALL
DENOTES CMU FDN. WALL HELD DOWN AT
OPENINGS
#5@32"OC DENOTES CMU WALL VERT. REINF. SIZE & SPACING
IF NOT SHOWN, PROVIDE MIN. PER NOTE 10 ABOVE
4" CONC. SOG T/S LABS +0'-0" DENOTES SLAB ON GRADE THICKNESS & SLAB
ELEVATION. ALL SLABS ON GRADE TO BE PLACED
8" MIN. COMPACTED GRANULAR FILL & VAPOR
BARRIER/RETARDER PER SPEC. PROVIDE THE
FOLLOWING WELDED WIRE FABRIC REINFORCING
6" SLAB: 6#6-W1/4xW1 & W1F
5" SLAB: 6#6-W2-1xW2 & W2F
6" SLAB: 6#6-W2-9xW2 & W2F

Diagram illustrating the components and dimensions of a column footing:

- CONCRETE PIER**: The central square area.
- STEEL COLUMN**: The outer square area.
- COLL. FOOT**: The footing area surrounding the steel column.
- FOOTING MARK & TOP OF FTG. ELEVATION (SEE COL. FTG. SCHED. ON S002)**: Indicated by a dashed line.
- PIER MARK & TOP OF PIER ELEVATION (SEE PIER SCHED. ON S002)**: Indicated by a dashed line.
- FRAMING PLANS FOR STUB COLS. NOT SHOWN ON FDN. PLAN**: Indicated by a dashed line.
- Dimensions**:
 - $HSS8 \times 8 \times 5/16$
 - $P24 - 0'-8"$
 - $F7.0 - 2'-8"$



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

ABI 1
A601

LIGHTING FIXTURE SCHEDULE - INTERIOR ABI-1												
NOTES: 1. EQUAL MANUFACTURERS MUST MEET OR EXCEED PERFORMANCE, AESTHETICS AND FABRICATION OF BASE MANUFACTURER. 2. CONTRACTOR IS RESPONSIBLE FOR ALL MISCELLANEOUS HARDWARE NECESSARY TO INSTALL AND OPERATE LIGHT FIXTURES IN NORMAL AND EMERGENCY FUNCTION. 3. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR CEILING TYPE AND HEIGHT. 4. CONTRACTOR TO VERIFY COMPATIBILITY OF CEILING WITH LIGHT FIXTURES PRIOR TO SHOP DRAWING SUBMITTALS AND NOTIFY ARCHITECT/ENGINEER OF ANY ISSUES WITH PROPOSED INSTALLATION. 5. ALL LIGHT FIXTURES SHALL BE 'BUY AMERICAN ACT' (BAA) AND/OR 'TRADE AGREEMENT ACT' (TAA) COMPLIANT.												
UNIT ID	BASE MANUFACTURER	EQUAL MANUFACTURER	LAMP	VOLTS	WATTS	UNITS	LUMENS	UNITS	CCT	LOCATION(S)	MOUNT	DESCRIPTION
LP3-8	NULITE: RP24-D-ST-F-06-L-40-UNV-D-X-1-1-X-WH-TX-X-X-8	FOCAL POINT: 'SEEM2' SERIES MARK: 'S2PD' SERIES FINELITE: 'HP2' SERIES	LED	120 V	10 W	/LFT	750 LM	/LFT	4000K	CLASSROOM	SUSPENDED	2.5" WIDE X 4" DEEP STEM MOUNT LINEAR WITH DIFFUSE FLUSH LENS AND 0-10V DIMMING.
LP3-12	NULITE: RP24-D-ST-F-06-L-40-UNV-D-X-1-1-X-WH-TX-X-X-12	FOCAL POINT: 'SEEM2' SERIES MARK: 'S2PD' SERIES FINELITE: 'HP2' SERIES	LED	120 V	10 W	/LFT	750 LM	/LFT	4000K	CLASSROOM	SUSPENDED	2.5" WIDE X 4" DEEP STEM MOUNT LINEAR WITH DIFFUSE FLUSH LENS AND 0-10V DIMMING.
LP3E-8	NULITE: RP24-D-ST-F-06-L-40-UNV-D-X-1-1-X-WH-TX-X-X-8-EM	FOCAL POINT: 'SEEM2' SERIES MARK: 'S2PD' SERIES FINELITE: 'HP2' SERIES	LED	120 V	10 W	/LFT	750 LM	/LFT	4000K	CLASSROOM/ENTRY HALL	SUSPENDED	2.5" WIDE X 4" DEEP STEM MOUNT LINEAR WITH DIFFUSE FLUSH LENS AND 0-10V DIMMING.
LP3E-12	NULITE: RP24-D-ST-F-06-L-40-UNV-D-X-1-1-X-WH-TX-X-X-12-EM	FOCAL POINT: 'SEEM2' SERIES MARK: 'S2PD' SERIES FINELITE: 'HP2' SERIES	LED	120 V	10 W	/LFT	750 LM	/LFT	4000K	CLASSROOM	SUSPENDED	2.5" WIDE X 4" DEEP STEM MOUNT LINEAR WITH DIFFUSE FLUSH LENS AND 0-10V DIMMING.
LP4	SAL: S2A34-L288-144U-40K-XX-XX-BAC-MCR	FOCAL POINT: 'SEEM2' SERIES MARK: 'S2PD' SERIES FINELITE: 'HP2' SERIES	LED	120 V	100 W	/FIXTURE	8000 LM	/FIXTURE	4000K	ENTRY HALL	SUSPENDED	6" DIAMETER 'RING' PENDANT. 4"H X 4"W WITH SOFT DIFFUSED LENS. PROVIDE WITH 4 CANOPY/CABLE MOUNTING. ARCHITECT TO SELECT FINISH. 0-10V DIM
LP5	SAL: S2A32-L192-96U-40K-XX-XX-BAC	FOCAL POINT: 'SEEM2' SERIES MARK: 'S2PD' SERIES FINELITE: 'HP2' SERIES	LED	120 V	50 W	/FIXTURE	4000 LM	/FIXTURE	4000K	CONF RM	SUSPENDED	4" DIAMETER RING PENDANT WITH SINGLE CANOPY/AIRCRAFT CABLE MOUNT. ARCHITECT TO SELECT FINISH. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR MOUNTING HEIGHT.
LR3	VANTAGE: VIC40FCR-U-15-40K-F4060-SGC-SDM	FOCAL POINT: 'SEEM2' SERIES MARK: 'S2PD' SERIES FINELITE: 'HP2' SERIES	LED	120 V	21 W	/FIXTURE	1500 LM	/FIXTURE	4000K	CONFERENCE RMS	RECESSED	4" RECESSED DOWNLIGHT WITH MEDIUM DISTRIBUTION AND 0-10V DIMMING.
LR4-8	NULITE: RG2-D-ST-F-09-L-40-UNV-D-X-1-1-X-8	FOCAL POINT: 'SEEM2' SERIES MARK: 'S2PD' SERIES FINELITE: 'HP2R' SERIES	LED	120 V	8 W	/LFT	750 LM	/LFT	4000K	GENERAL	RECESSED	2.5" WIDE X 4" DEEP RECESSED LINEAR WITH DIFFUSE FLUSH LENS AND 0-10V DIMMING.
LS1	COLUMBIA: MPS4-40-HL-C-W-U	METALUX: 'SNX' SERIES LITHONIA: 'ZL1D' SERIES DAYBRITE: 'FSS' SERIES	LED	120 V	42 W	/FIXTURE	5500 LM	/FIXTURE	4000K	STORAGE	SURFACE	4" L SURFACE MOUNT/SUSPENDED STRIP FIXTURE WITH CURVED ACRYLIC LENS AND WIDE DISTRIBUTION.
X1	BEGHELLI: FORMA	EVENLITE: 'CCDS' SERIES ISOLITE: 'LPDC' SERIES EXTRONIX: '400EX' SERIES	LED	120 V	2 W	FIXTURE		/FIXTURE		EGRESS	WALL	SINGLE FACE WALL MOUNT EXIT SIGN WITH INTEGRATED EMERGENCY BATTERY, SELF DIAGNOSTICS AND RED LETTERING AND SELF-DIAGNOSTICS.

LIGHTING FIXTURE SCHEDULE - EXTERIOR ABI-1												
NOTES: 1. EQUAL MANUFACTURERS MUST MEET OR EXCEED PERFORMANCE, AESTHETICS AND FABRICATION OF BASE MANUFACTURER. 2. CONTRACTOR IS RESPONSIBLE FOR ALL MISCELLANEOUS HARDWARE NECESSARY TO INSTALL AND OPERATE LIGHT FIXTURES IN NORMAL AND EMERGENCY FUNCTION. 3. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR CEILING TYPE AND HEIGHT. 4. CONTRACTOR TO VERIFY COMPATIBILITY OF CEILING WITH LIGHT FIXTURES PRIOR TO SHOP DRAWING SUBMITTALS AND NOTIFY ARCHITECT/ENGINEER OF ANY ISSUES WITH PROPOSED INSTALLATION. 5. ALL LIGHT FIXTURES SHALL BE 'BUY AMERICAN ACT' (BAA) AND/OR 'TRADE AGREEMENT ACT' (TAA) COMPLIANT. 6. CONFIRM 4000K CCT IS ACCEPTABLE FOR ALL EXTERIOR LIGHTING												
UNIT ID	BASE MANUFACTURER	EQUAL MANUFACTURER	LAMP	VOLTS	WATTS	UNITS	LUMENS	UNITS	CCT	LOCATION(S)	MOUNT	DESCRIPTION
S1	LUMENPULSE: 'LOG' SERIES	VISTA INSIGHT COLOR KINETICS: 'GRAZE' SERIES	LED	120 V	9 W	/LFT	1000 LM	/LFT	4000K	EXTERIOR SIGN	SURFACE	2" WIDE X 4" LONG RECESSED LINEAR FIXTURE WITH FLUSH DIFFUSE LENS AND 0-10V DIMMING.
S2	PIL: 'CRICKET' C+20-26-CI-BK-4K-UNV-NA-FRST	VISTA: '1188' SERIES COLOR KINETICS: 'BURST' SCENE SERIES	LED	120 V	26 W	/FIXTURE	2500 LM	/FIXTURE	4000K	FLAG POLE	INGRADE	INGRADE ADJUSTABLE FLAG POLE FLOOD LIGHT FIXTURE WITH 8 DEGREE DISTRIBUTION, DIFFUSED LENS AND BLACK FINISH
SC1	LITON: DL3608-B45-L15-UE-D10-X	FC: 'FC600' SERIES GOTHAM: 'EVOBSC' SERIES SPECTRUM: 'GAMMA' SERIES	LED	120 V	15 W	FIXTURE	1500 LM	/FIXTURE	4000K	CANOPY	SURFACE	6" ROUND SURFACE MOUNT CYLINDER WITH BLACK FINISH, 0-10V DIM, LISTED FOR WET LOCATIONS. PROVIDE WITH EXTERNAL EXTERIOR RATED PIR OCC SENSOR WITH AUTO DIMMING CAPABILITY.
SC1E	LITON: DL3608-B45-L15-UE-D10-EMA-X	FC: 'FC600' SERIES GOTHAM: 'EVOBSC' SERIES SPECTRUM: 'GAMMA' SERIES	LED	120 V	15 W	FIXTURE	1500 LM	/FIXTURE	4000K	CANOPY	SURFACE	SAME AS TYPE 'SC1' WITH EMERGENCY BATTERY IN CANOPY.
SC2E-8	KIM: RN-D-8-5-4K8-SM-DL-UNV-XX-S	CORONET: 'LS WET' SERIES STARTEK: 'SAQUAD' SERIES	LED	120 V	6 W	/LFT	750 LM	/LFT	4000K	GENERAL	SURFACE	2.5" WIDE X 3.5" SURFACE MOUNT LINEAR WITH DIFFUSE FLUSH LENS, INTEGRAL EMERGENCY BATTERY AND 0-10V DIMMING. WET LOCATION LISTED. ARCHITECT TO SELECT FINISH. PROVIDE WITH EXTERNAL EXTERIOR RATED PIR OCC SENSOR WITH AUTO DIMMING CAPABILITY.
SW2	KIM: RN-D-4-5-4K8-WW-DL-UNV-XX-A12	CORONET: 'LS WET' SERIES STARTEK: 'SAQUAD' SERIES	LED	120 V	6 W	/LFT	750 LM	/LFT	4000K	GENERAL	WALL	2.5" WIDE X 3.5" ARM MOUNT LINEAR WITH DIFFUSE FLUSH LENS, WALL WASH OPTICS AND 0-10V DIMMING. WET LOCATION LISTED. ARCHITECT TO SELECT FINISH.



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LIGHTING
SCHEDULES

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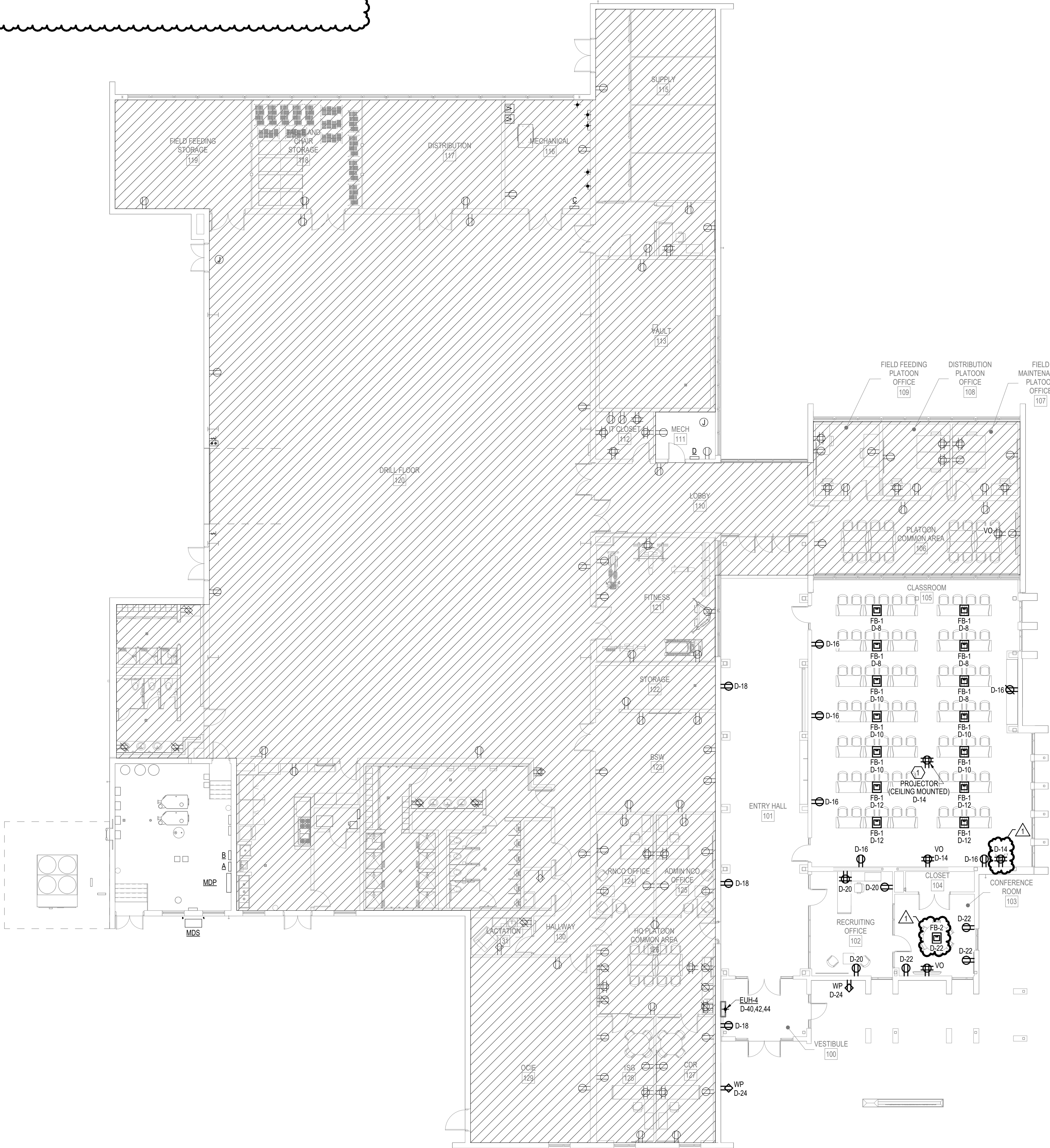
REVISIONS

1 ADD. #2 8/24/2026



ABI 1
E601

FLOOR BOX SCHEDULE						
DEVICE TAG	TYPE	DUPLEX RECEPTACLE QUANTITY	POWER CONDUIT	BASIS OF DESIGN		COMMENTS
				MANUFACTURER	MODEL	
FB-2	ON-GRADE	3	(1) 1"	LEGRAND	FLOORPORT	COORDINATE AV REQUIREMENTS WITH TECHNOLOGY DRAWINGS. COORDINATE FINISH WITH INTERIOR DESIGNER.



GENERAL NOTES

- A REFER TO SHEET E000 FOR GENERAL ELECTRICAL NOTES, SYMBOLS AND ABBREVIATIONS.
B REFER TO SHEET E002 FOR ADDITIONAL INFORMATION.
C VERIFY HEIGHT OF ALL COUNTERTOP RECEPTACLES WITH ARCHITECTURAL ELEVATIONS PRIOR TO ROUGH-IN.
D THE INSTALLATION OF RECEPTACLES TAGGED WITH "VO" SHALL BE COORDINATED WITH AV INSTALLER PRIOR TO ROUGH-IN.
E COORDINATE COLOR FINISH OF ALL DEVICES AND PLATES WITH INTERIOR DRAWINGS.

SHEET KEYNOTES

- 1 COORDINATE FINAL LOCATION FOR CEILING MOUNTED RECEPTACLE WITH TECHNOLOGY DRAWINGS BEFORE ROUGH-IN.



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FIRST FLOOR
POWER PLAN

0917-18

JULY 31, 2026

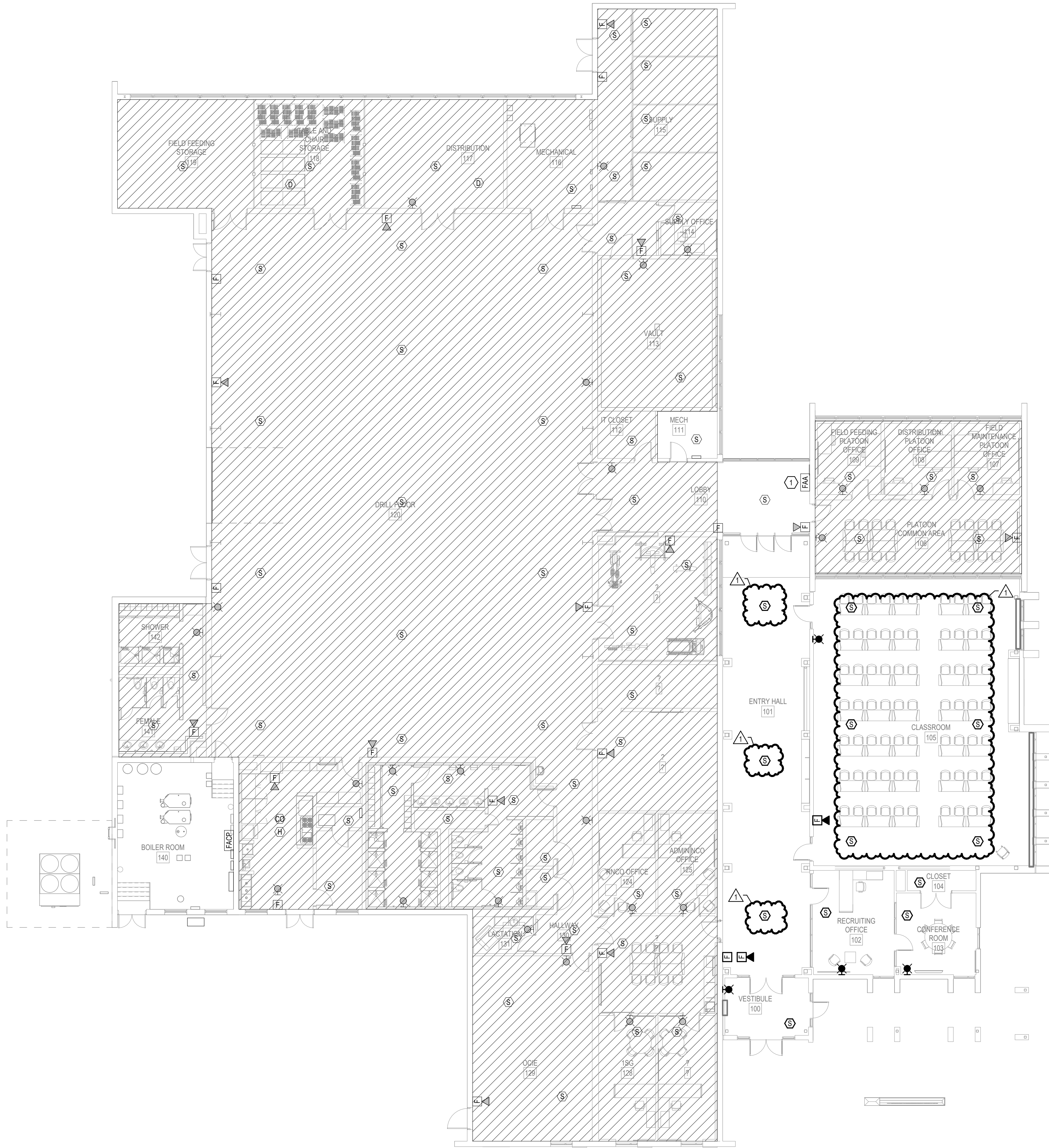
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- 1 ADD. #2 8/24/2026



ABI 1
EP101



1 FIRST FLOOR FIRE ALARM PLAN - ABI-1
3/32" = 1'-0"

GENERAL NOTES

- A REFER TO SHEET E000 FOR GENERAL ELECTRICAL NOTES, SYMBOLS AND ABBREVIATIONS.
B FIRE ALARM INITIATING DEVICES SHALL NOT BE INSTALLED WITHIN 36 INCHES HORIZONTALLY FROM ANY FORCED AIR HVAC DIFFUSERS OR THE END OF CEILING BLADES.
C PROVIDE REMOTE INDICATORS FOR ANY NEW DUCT SMOKE DETECTORS. COORDINATE FINAL MOUNTING LOCATION WITH ARCHITECT BEFORE ROUGH-IN.

SHEET KEYNOTES

- 1 RELOCATE EXISTING REMOTE ANNUNCIATOR TO VESTIBULE 100.



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FIRST FLOOR
FIRE ALARM
PLAN

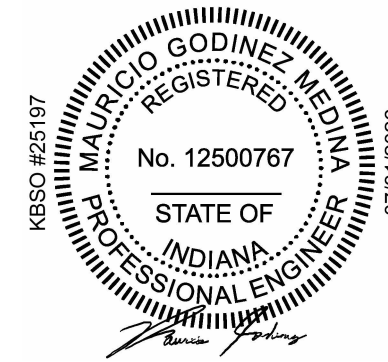
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1 ADD. #2 8/24/2026



ABI 1
ET101