MHTN ARCHITECTS

Addendum No. 02

Issued: 9/13/2024

Project Name: Jordan Learning Center

Project No.: 2024528.00

Bid Package: 1

Addendum No. 01 to the Construction Contract for the above referenced project:

All Contractors submitting proposals on the above captioned project shall be governed by the following changes and explanations to the Bid Documents, dated August 29, 2024, and shall submit their bids in accordance therewith:

Changes to the Project Manual

2.1 Section 084113 – Aluminum–Framed Entrances and Storefront

- Replace this section with the attached section.

2.2 Section 087110 – Door Hardware

- Replace this section with the attached section.

2.3 Section 088700 – Security Glazing Films

- Replace this section with the attached section.

2.4 Section 107516– Ground-Set Flagpoles

- Replace this section with the attached section.

2.5 Section 116800 – Play Field Equipment and Structures

- Replace this section with the attached section.

2.6 Section 133123 – Tension Fabric Structures

- Replace this section with the attached section.

2.7 Section 220000 – Plumbing

- Remove HB-4 from specifications.

2.8 Section 27 4100 AUDIOVISUAL SYSTEMS

- CHANGES TO SECTION 2.4 EQUIPMENT REQUIRED PER ROOM TYPE. CHANGE THE FOLLOWING EQUIPMENT SCHEDULES:

TODDLER & COMMUNICATION EQUIPMENT SCHEDULE

HDU CHD	DIGITALINX 'ARK' SERIES AV ROOM KIT WITH 4 HDMI INPUTS, USB 2.0 TRANSFER, AND SECONDARY HDMI / 3.5MM AUX INPUT.	LIBERTY/DIGITALINKX	DL-ARK-573-4HC-2W-KT
~~TxH / Rx~~	~~DIGITALINX HDMI WALL PLAYTE EXTENSION SET. DECORA WALL PLATE SET WITH REMOTE POWER~~	~~LIBERTY/DIGITALINKX~~	~~DL-HD50C-WPKT-W~~
R4	1X2 EQUIPMENT RACK, ABOVE CEILING 2 RU, RECESSED	CHIEF	CMS491

CS	WIRELESS COLLABORATION DEVICE (OFCI)	VIVI	VIVI PRO (OFCI)

LEARNING STUDIOS EQUIPMENT SCHEDULE

HDU ~~KP3~~ CHD	IGITALINX 'ARK' SERIES AV ROOM KIT WITH 4 HDMI INPUTS, USB 2.0 TRANSFER, ~~CONTROLLER (KP3)~~ AND SECONDARY HDMI / 3.5MM AUX INPUT.	LIBERTY/DIGITALINKX	DL-ARK-573-4HC-2W-KT
TP5	TOUCH PANEL, 5.5" DIAGONAL, POE WALL MOUNT	QSC	TSC-50-G3
TP7	TOUCH PANEL, 7" DIAGONAL, POE WALL MOUNT	QSC	TSC-70-G3
	BLOWER PANEL, 1RU, 100 CFM, 32DB	MIDDLE ATLANTIC	QBP-2

SCIENCE/ART/CTE EQUIPMENT SCHEDULE

HDU ~~KP3~~ CHD	IGITALINX 'ARK' SERIES AV ROOM KIT WITH 4 HDMI INPUTS, USB 2.0 TRANSFER, ~~CONTROLLER (KP3)~~ AND SECONDARY HDMI / 3.5MM AUX INPUT.	LIBERTY/DIGITALINKX	DL-ARK-573-4HC-2W-KT
TP7	TOUCH PANEL, 7" DIAGONAL, POE WALL MOUNT	QSC	TSC-70-G3

TxH	HDMI INPUT, WALL PLATE WITH DTP TRANSMITTER	EXTRON	DTP HDMI 4K 230 Tx

Rx	4K/60 HDMI DTP2 RECEIVER WITH AUDIO DE-EMBEDDING	EXTRON	DTP HDMI 4K 230 Rx

MULTIPURPOSE/STUDENT COMMONS EQUIPMENT SCHEDULE (1 OF 2)

	BLOWER PANEL, 1RU, 100 CFM, 32DB	MIDDLE ATLANTIC	QBP-2

1E	POWER AMPLIFIER, 4 CHANNEL X 150 WATTS (600 TOTAL), 70V	POWERSOFT	MEZZO 604 A
P4	LOUDSPEAKER, 4", PENDANT 150 DEGREE COVERAGE	QSC	AD-P4T

AXT	MULTI I/O DANTE NETWORK WALL-PLATE. BLUETOOTH, 3.5MM I/O	QSC	UND6IO-BT

CONFERENCE / TESTING ROOMS/WAITING EQUIPMENT SCHEDULE

HD	HDMI PASS-THROUGH WALL PLATE	C2G	#39710 (PROVIDE DECORA COVER)
D75	FLAT PANEL DISPLAY, 75" DIAGONAL, UHD 24/7 OPERATION, 350 NIT	PANASONIC	TH-75EQ1U
T	FLAT PANEL TILT MOUNT, 14°, MAX 200LBS LOAD, 878 X 500 mm VESA, LANDSCAPE	CHIEF	LTM1U

Prior Approvals

The following manufacturers, trade names, and products are approved with the provision that they shall completely satisfy all and every requirement of the Drawings, Specifications, and all Addenda, and shall conform to the design, quality, and standards specified, established, and required for the complete and satisfactory installation and performance of the building and all its respective parts.

XXX	Xxxx
XXX	Xxxx

Mechanical Prior Approvals

The following manufacturers, trade names, and products are approved with the provision that they shall completely satisfy all and every requirement of the Drawings, Specifications, and all Addenda, and shall conform to the design, quality, and standards specified, established, and required for the complete and satisfactory installation and performance of the building and all its respective parts.

Electric unit heater	Berko
Ceiling Exhaust fan	Broan

ELECTRICAL PRODUCT APPROVALS:

Pending compliance to all specified requirements, the following manufacturers are approved to bid this project in addition to those shown on the electrical drawings or the electrical

specifications. Approval does not relieve the contractor of fulfilling all specified requirements regardless of what is contained in the prior approval packages submitted by various lighting agencies to the electrical engineer. Light fixtures specified on drawings shall be considered basis-of-design products; all light fixtures approved by addendum shall be equivalent in every respect to those currently specified on the drawings. Non-compliance to these requirements may later result in disapproval in which case the contractor shall be required to provide specified products at no additional cost to the Owner:

TYPE	SPECIFIED	B26 APPROVED	QUANTUM APPROVED	SSCO APPROVED
3PC2	CSL LIGHTING	-	SENSO	LIGHTOLIER
4PRW	PRUDENTIAL LIGHTING	LUMENWERX	-	AXIS (FILL)
5PC4	CSL LIGHTING	-	SENSO	LIGHTOLIER
6LBP	BETA CALCO	CURRENT/LUMEN WERX	-	-
22LR	LITELINE	GREEN IMAGE TECH	METALUX	NORA
22MR	LITELINE	GREEN IMAGE TECH	METALUX	NORA
A4H	METALUX	ILP	-	DAY-BRITE
A4M	METALUX	ILP	-	DAY-BRITE
B2H	METALUX	ILP	-	DAY-BRITE
B2M	METALUX	ILP	-	DAY-BRITE
CUR2	LUMENWERX	-	PMC LIGHTING	AXIS
CVL	XICO	-	OPTIC ARTS	MODA
D4A	PRESCOLITE	-	HALO	LIGHTOLIER
L2HP	LUMENWERX	-	NEO-RAY	AXIS
L2HPP	LUMENWERX	-	NEO-RAY	AXIS
L2MPD	LUMENWERX	-	NEO-RAY	AXIS
L2PRD	LUMENWERX	-	PRU-LITE	AXIS
L2VPD	LUMENWERX	-	NEO-RAY	AXIS
L4HD	METALUX	GREEN IMAGE TECH	-	SLG
L4MD	METALUX	GREEN IMAGE TECH	-	SLG
L8MD	METALUX	GREEN IMAGE TECH	-	SLG
OC13	FC LIGHTING	-	TGS	GARDCO (SVPG)
OFW	LIGMAN	LUMUX	-	LUMASCAPE
OLDH	Q-TRAN	ACOLYTE	-	OMNI
OP2	LITHONIA	EXO	McGRAW-EDISON	GARDCO
OP4	LITHONIA	EXO	McGRAW-EDISON	GARDCO

OP24	LITHONIA	EXO	McGRAW-EDISON	GARDCO
OP44	LITHONIA	EXO	McGRAW-EDISON	GARDCO
OW340	LITHONIA	BEACON	McGRAW-EDISON	HE WILLIAMS
PBS	ZANEEN	-	CONTRACTOR ALLOWANCE $3,900.00	CONTRACTOR ALLOWANCE $3,900.00
S8OC	VERSALED	GREENCREATIVE	LUMENCIA	NORA
SL4C	METALUX	COLUMBIA	-	DAY-BRITE
SLF	ACOLYTE	-	Q-TRAN	OMNI + (ANGLE MOUNTS)
X1	EMERGI-LITE	BEGHELLI	-	EXITRONIX

LIGHTING CONTROL APPROVALS:

1. Avi-on Labs, Inc.
2. Cooper Lighting Control

Changes to the Drawings

Civil

C2.1 None.

Landscape

L2.1 Sheet AS101

- Updated playground equipment from manufacturer.
- Updated specification numbers for synthetic grass surfacing and playground protective surfacing.
- Added specification numbers for playground equipment, fabric shade structure, and site furnishings.
- Added linework to show reference note E12- irrigation backflow preventer to be protected.
- Revised detail, related details, and specification columns on reference note schedule.

L2.2 Sheet AS501

- Added detail C3- Fabric Shade Structure
- Revised detail, related details, and specification columns on reference note schedule.

L2.3 Sheet LI101

- Keynote LI-07 added.
- Lateral lines added into existing parking lot islands.

L2.4 Sheet LI501

- Updated to notes on detail C3.

L2.5 Sheet LP101

- Updated linework to show back flow in SW corner of landscape area.
- Updated planting in SW landscape area to go around shade structure poles.
- Added plant labels.
- Updated reference note schedule to include stone mulch over weed barrier fabric.
- Revised plant schedule to replace crataegus laevigata with cornus florida.
- Revised plant schedule to include correct size requirements for catalpa speciosa and crataegus laevigata.

L2.6 Sheet LP501

- Removed planting schedule from sheet.
- Revised details D1, D3, E2, E3, to have 3" mulch depth requirements.
- Refined planting notes.

Structural

S2.1 Sheet SB101A

- Added HSS setback tube column next to existing opening.
- Added size tag for exterior canopy column.

S2.2 Sheet SB101B

- Added HSS setback tube column next existing opening.

S2.3 Sheet SB502

- Updated detail A3 for added furring concrete wall.

S2.4 Sheet SF101A

- Added setback tube columns and HHS lateral support to the opposite side of the CMU wall for canopy.

S2.5 Sheet SF102B

- Added setback tube columns and HHS lateral support to the opposite side of the CMU wall for canopy.

S2.6 Sheet SF201

- Added the additional setback tube columns and HSS lateral support per SF101A and B.

S2.7 Sheet SF401

- Reflected the additional HSS lateral Support on Detail C1

S2.8 Sheet SF503

- Updated detail A3 and A4 to reflect the HSS lateral support on the opposite side of CMU wall to the canopy framing with through bolt embed connections.

S2.9 Sheet SF504

- Updated detail C3 to include HSS lateral support end connections.
- Revised references on details D1 and D2.

Architectural

A2.1 Sheet A101A

- Revised Drawing to show Callouts to added Details D1/A333 & E1/A333

A2.2 Sheet A333

- Added Details B1/A333, D1/A333 & E1/A333

A2.3 Sheet A400

- Removed duplicate Seat Cover Dispensers from E1, E2, E3, D2 & D3. See attached revised drawing.
- Sink location shifted 6" to the North in WOMENS A149.
- Paper Towel Dispenser has been added to WOMENS A149 and MENS 150.

A2.4 Sheet A412

- Modified cabinet to include perforated metal panel in door from. See attached revised drawing C1/A412
- Revised Legend
- Sheet A412
- Sheet A412

A2.5 Sheet A600

- Door B122; Revised to aluminum door and frame. Revised HW Set.

A2.6 Sheet A620

- Revised GLAZING LEGEND. See the attached revised sheet A620.

A2.7 Sheet A640A

- Finish PL4 has been removed from the Countertop Finish Column at rooms A102 and A139.

Mechanical

Plumbing

P3.1 Sheet P401

- Piping in Room A145 is now showing
- Reference Note # 13 - Remove reference to 'HB-4' and install per Detail 1/P603.

P3.2 Sheet P402

- Reference Note # 9 - Remove reference to 'HB-4' and install per Detail 1/P603.

P3.3 Sheet P501

- Remove HB-4 hose bibb from schedule.

Electrical

E2.1 Sheet E001 (Update Sheet Attached)

- Refer to the floor box schedule. Change both the FB01 and FB02 to a four-compartment box, Wiremold Series RFBA4 (or equal). The descriptions in each remain the same.

E2.2 Sheet E002 (Update Sheet Attached)

- Lighting Fixture Schedule:
  - Fixture Type 5PC4– Revise Lumen Output from 4252 LM/FT to 2100 LM/FT. Revise wattage from 50W/FT to 25W/FT
  - Fixture Type L2VPD – Revise Lumen Output from 1000 LM/FT to 900 LM/FT. Revise wattage from 11W/FT to 10W/FT
  - Fixture Type S8OC – Revise Voltage from 277V to 120V

E2.3 Sheet E211A (Update Sheet Attached)

- Storage A126; Circuit fixture type S8OC to 120V circuit L2-7.
- Storage A116; Circuit fixture type S8OC to 120V circuit L6-21.

E2.4 Sheet E21BA (Update Sheet Attached)

- Storage B110; Circuit fixture type S8OC to 120V circuit L5-8.
- Storage B115; Circuit fixture type S8OC to 120V circuit L5-4.

E2.5 Sheet E311A (Update Sheet Attached)

- Teacher Team A122. Change the circuit numbers on the four-plex receptacles along the west wall to L3-22 and 24, evenly distributed. Change the circuit numbers on the four-plex receptacles along the east wall to L3-28 and 30, evenly distributed. Change the circuit numbers on two of the four-plex receptacles along the south wall to L3-26.
- Coach Team A139. Provide a 2 drop data outlet at the DP. Connect the DP to circuit L1-3.
- Custodial A143. Provide a wireless access point.
- Sensory A111. Provide a 2 drop data outlet adjacent to the duplex receptacle on the east wall.

E2.6 Sheet E311B (Update Sheet Attached)

- Student Commons B122. Provide a 2 drop data outlet adjacent to the duplex receptacle at Grid 4F. Provide a 2 drop data outlet adjacent to the duplex receptacle at Grid 4E.1.
- Lobby B100. Provide a 2 drop data outlet adjacent to the duplex receptacle on the opposite side of the wall from Reception B103. Provide a DP for the monitor on the same wall with a 2 drop data outlet and connect the DP to circuit L5-15.

- Tech Specialist B101. Add four duplex receptacles on the south wall, evenly spaced, connect two to circuit L7-2 and two to circuit L7-4. Add two duplex receptacles on the east wall and connect to circuit L7-6. Verify the height of all outlets in this room with the shelving and the work surface.
- Provide a total of three data drops at the ATC panel in Mech B134.
- Provide two wireless access points in Teacher Team B128 at quarter points the length of the room.
- Provide a 2 drop data outlet in the sound rack located in Multipurpose B119.

E2.7 Sheet E360 (Update Sheet Attached)

- Switchboard 'MDP'. Delete the type 44-X feeder feeding nothing. The unmarked 225A beaker is spare. The 125A LSI breaker feeding ATS-1 is a 225A LSI breaker. Do not feed the ATS-1 with that breaker.
- Provide a 150A 3Pole LSI breaker (3VA61) in a 225A space. Provide a type 44 (copper) feeder to ATS-1. Change the feeder from the generator to ATS-1 to a type 44 (copper). Change the feeder from ATS-1 Panel 'EHL' back to a type 44 (copper).
- Change the 125A breaker in the generator to 60A. Change the generator to a 20KW.
- Feed panelboard 'L7' with the 225A Breaker not labeled. Provide a type 450 aluminum feeder.
- For the CT/MAIN SWITCH (MS), MDP and LDP, replace all labeling that is not correct and provide new labeling that reflects the designations shown.
- Set the trip rating of the 1600A main circuit breaker in 'LDP' to 1200A. the trip unit part number is PD63T120.
- Delete the reference to sheet keynote 6 for Panelboards 'L1' and 'L2'.

E2.8 Sheet E372 (Update Sheet Attached)

- Refer to attached drawing for requirements of Panelboard 'L7'.

E2.9 Sheet E411A (Update Sheet Attached)

- Provide cable tray to tee off the tray above Records A104 and extend east above the ceiling along Grid D.1 to the wall of Reception A154.

E2.10 Sheet E411B (Update Sheet Attached)

- Teacher Team B128. Reroute the cable tray to avoid running through the sky lights.
- Provide (2) 4" conduits from the end of the cable tray adjacent to Reception B103 above the ceiling of Lobby B100 to the tray in Reception A154.

E2.11 Sheet T002

- Delete "Low Voltage Scope of Work" Schedule. Refer to plans and specifications for scope of work.

E2.12 Sheet T223 (Update Sheet Attached)

- Change Learning Studio B123 Diagram Callout V254/T701 to V259/T701.
- Add Diagram Callout 1/T501 to Conference B118.
- Added 75" display to Lobby B100

E2.13 Sheet T224 (Update Sheet Attached)

- Added rack 'R4' to Toddler and Communication Rooms

E2.14 Sheet T225 (Update Sheet Attached)

- See clouded changes.

E2.15 Sheet T311 (Update Sheet Attached)

- Add intercom loudspeaker "IC4" to OFFICE A152

E2.16 Sheet T501 (Update Sheet Attached)

- Update racks 'R1' and 'R2 to include Blower Panels, and Amplifier 1E

E2.17 Sheet T700 (Update Sheet Attached)

- Updated Diagram V301

E2.18 Sheet T701 (Update Sheet Attached)

- Added Diagram V250
- Updated Diagram V102

Attachments

Project Manual:
084113, 087100, 088723, 107516, 116800, 133123

Drawings:

Landscape
AS101, AS501, LI101, LI501, LP101, LP501

Structural
SB101A, SB101B, SB502, SF101A, SF101B, SF201, SF401, SF503, SF504

Architectural
A101A, A333, A400, A412, A600, A620, A640A

Mechanical
P401

Electrical
E001, E002, E101, E211A, E211B (Addendum 1), E311A, E311B, E360, E370 (Addendum 1), E371 (Addendum 1), E372, E411A, E411B, T223, T224, T225, T311, T501, T700, T701

End of Addendum 02

REFERENCE NOTES SCHEDULE

SYMBOL	CODE	DESCRIPTION	DETAIL	SPECIFICATION
⬢	*2*	*RELIANCE FOUNDARY BOLLARD*		
SYMBOL	**CODE**	**DESCRIPTION**	**DETAIL**	**SPECIFICATION**
01 PAVEMENTS, RAMPS, CURBS				
	01-01	*ASPHALT PAVING - SEE CIVIL*		*321216*
	01-02	*CONCRETE CURB AND GUTTER - SEE CIVIL*		*321613*
	01-03	*CONCRETE PAVING - SEE CIVIL*		*321313*
	01-04	*SYNTHETIC GRASS SURFACING*	*B2/AS501*	*321818*
	01-05	*PLAYGROUND PROTECTIVE SURFACING*	*C2/AS501*	*321816.13*
04 WALLS AND EMBANKMENTS				
	04-01	*CONCRETE SEAT WALL*	*C1/AS501*	*033100*
	04-02	*12" WIDE CONCRETE PLAYGROUND CURB WALL*	*C2/AS501*	
	04-03	*CMU BLAST WALL*	*B5/AS501*	
05 SITE FURNISHINGS				
	05-01	*FLAG POLE*	*B3/AS501*	*107516*
	05-02	*LANDSCAPE FORMS FLOR-LG REINFORCED CAST STONE BENCH, W/ RADIAL BIOMORPHIC DESIGN. 106" X 97" X 17". BENCH. WHITE CAST STONE*		*323300*
	05-03	*LANDSCAPE FORMS HEBI-C-SLD REINFORCED CAST STONE BACKLESS BENCH. CURVED AND SOLID FORM. 120" LENGTH. BENCH. WHITE CAST STONE*		*323300*
	05-05	*PLAYGROUND EQUIPMENT - SEE SPECIFICATIONS*		*116800*
	05-06	*FABRIC SHADE STRUCTURES - SEE SPECIFICATIONS*	*D3/AS501*	
06 RAILINGS, BARRIERS, FENCING				
	06-01	*ORNAMENTAL FENCE*	*A3/AS501*	*323100*
	06-02	*ORNAMENTAL SWING GATE WITH PANIC HARDWARE*	*A1/AS501*	*323100*
	06-03	*STEEL BOLLARD WITH BOLLARD COVER*		*323900*
SYMBOL	**CODE**	**DESCRIPTION**	**DETAIL**	
07 SITE LIGHTING				
	07-02	*TRANSFORMER - SEE ELECTRICAL*		
	07-03	*SWITCH GEAR - SEE ELECTRICAL*		
	07-04	*GENERATOR - SEE ELECTRICAL*		
09 LANDSCAPE AND IRRIGATION				
	09-04	*BUILDING COLUMN - SEE ARCHITECTURAL DRAWINGS*		
REFERENCE NOTES				
	E-01	*ASPHALT PAVING - SEE CIVIL*		
	E-02	*CURB AND GUTTER - SEE CIVIL*		
	E-03	*CONCRETE SIDE WALK*		
	E-04	*CATCH BASIN*		
	E-05	*SANITARY SEWER*		
	E-06	*CLEANOUT*		
	E-08	*STEEL BOLLARD*		
	E-09	*FIRE HYDRANT*		
	E-10	*CMU SCREEN WALL*		
	E-11	*TRUCK DOCK*		
	E-12	*IRRIGATION BACKFLOW PREVENTER. TO BE PROTECTED*		
	E-13	*TREE - TO BE PROTECTED*		
	E-14	*BUILDING COLUMN*		
	E-15	*ELECTRICAL EQUIPMENT - SEE ELECTRICAL*		
	E-16	*GAS METER*		
	E-17	*LIGHT POLE - SEE ELECTRICAL*		

E1 SITE PLAN
1" = 20'

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JORDAN SCHOOL DISTRICT

JORDAN LEARNING CENTER

3706 WEST 9800 SOUTH
SOUTH JORDAN, UT 84009

SEAL

STATE OF UTAH
VINCENT RULON OLCOTT
No. 4812885
8-29-2024
LICENSED LANDSCAPE ARCHITECT

MHTN PROJECT NO. 2024528

Original drawing is 30 x 42. Do not scale contents of this drawing.

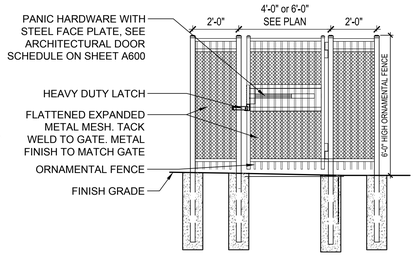
REVISIONS
CONTRACTOR TO VERIFY DRAWINGS IN FIELD. USE REFLECT LAST REVISION DATE.

NO.	DATE	DESCRIPTION
X2	13 SEP. 2024	ADDENDUM 2

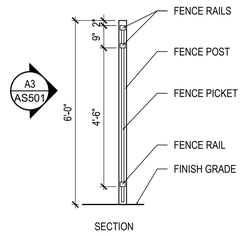
ISSUE
CONSTRUCTION DOCUMENTS
AUGUST 29, 2024

SHEET NAME
ENLARGED SITE PLAN

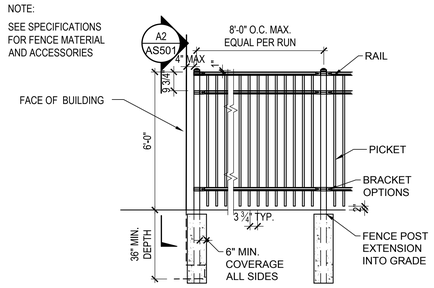
SHEET NUMBER
AS101



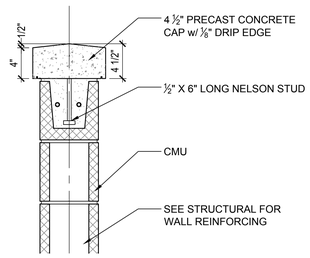
A1 ORNAMENTAL GATE WITH PANIC HARDWARE
3/8" = 1'-0" JSD-JS-323119-12



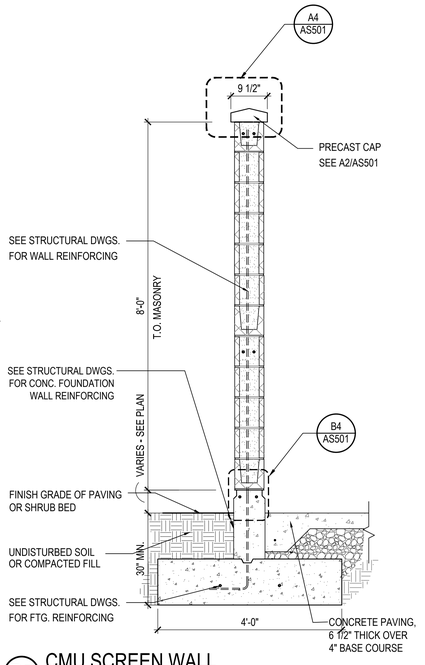
A2 DECORATIVE METAL FENCE SECTION
1/2" = 1'-0" JSD-JS-323119-18



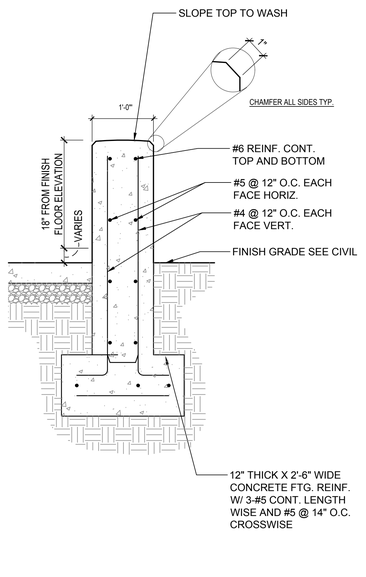
A3 DECORATIVE METAL FENCE
3/8" = 1'-0" JSD-JS-323119-02



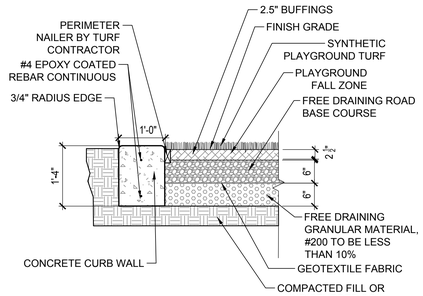
A4 DUMPSTER WALL CAP
1 1/2" = 1'-0" JSD-JS-042263-05



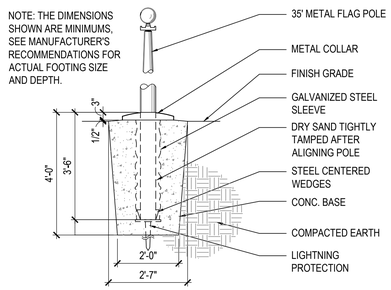
B5 CMU SCREEN WALL
3/4" = 1'-0" JSD-JS-042263-01



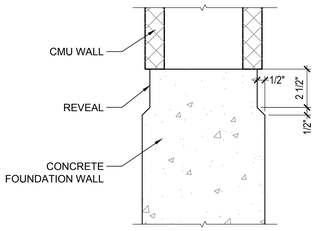
C1 12" CONCRETE SEAT WALL
1" = 1'-0" JSD-JS-323213-01



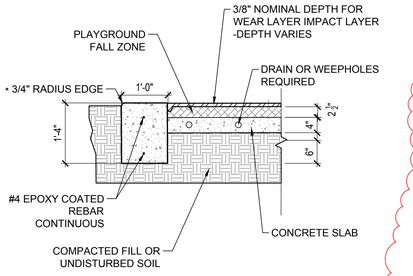
B2 PLAYGROUND SYNTH TURF FALL ZONE
3/4" = 1'-0" JSD-JS-321139-01



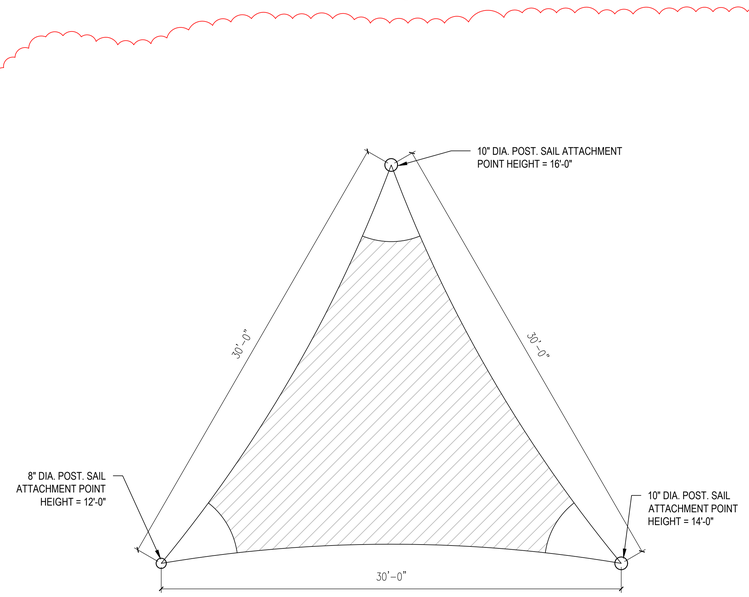
B3 FLAG POLE
1/2" = 1'-0" JSD-JS-324013-02



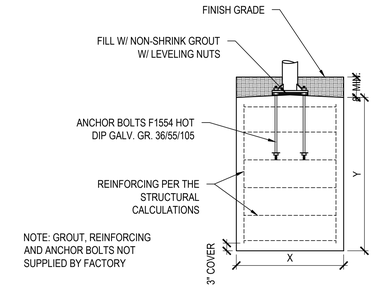
B4 CONCRETE REVEAL DETAIL
3" = 1'-0" JSD-JS-042263-06



C2 POURED-IN-PLACE PLAYGROUND SURFACE
3/4" = 1'-0" JSD-JS-033366-01



D3 TENSIONED FABRIC SHADE SAIL - PLAN VIEW
1/4" = 1'-0" JSD-JS-133123-02



D5 SHADE SAIL TYPICAL FOOTING DETAIL
1/2" = 1'-0" JSD-JS-133123-01

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SEAL

STATE OF UTAH
VINCENT RULON OLCOTT
No. 4812865
08-29-2024
REGISTERED LANDSCAPE ARCHITECT

MHTN PROJECT NO. 2024528

Original drawing is 30 x 42. Do not scale contents of this drawing.

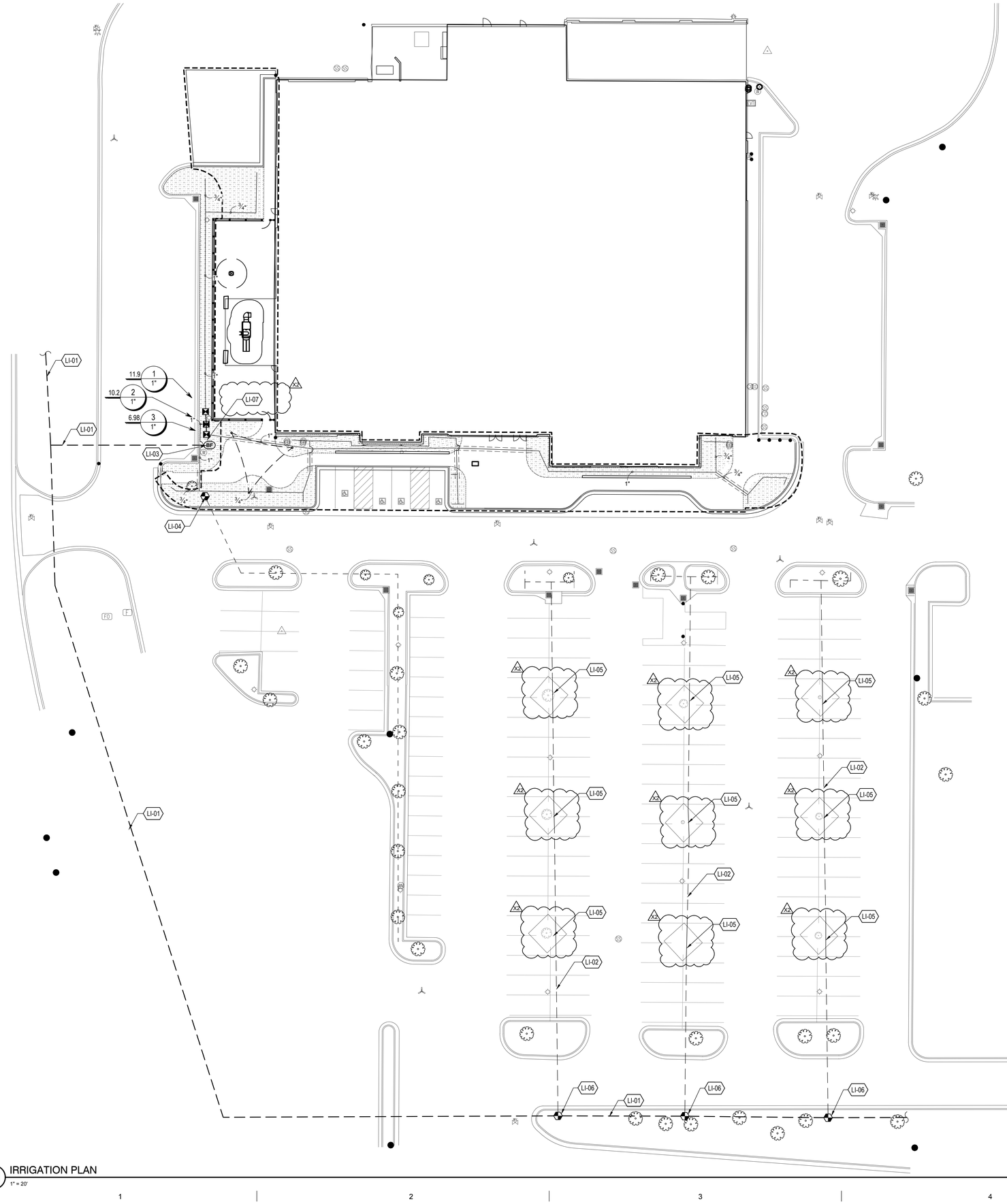
REVISIONS
CONTRACTOR TO VERIFY DRAWINGS IN FIELD. USE REFLECT LAST REVISION DATE.

NO.	DATE	DESCRIPTION
2	13 SEP. 2024	ADDENDUM 2

ISSUE
CONSTRUCTION DOCUMENTS
AUGUST 29, 2024

SHEET NAME
SITE DETAILS

SHEET NUMBER
AS501

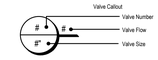


E1 IRRIGATION PLAN
1" = 20'

IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	RAIN BIRD XCZ-100-PRB-COM WIDE FLOW DRIP CONTROL KIT FOR COMMERCIAL APPLICATIONS. 1IN. BALL VALVE WITH 1IN. PESB VALVE AND 1IN. PRESSURE REGULATING 40PSI QUICK-CHECK BASKET FILTER. 5 GPM-20 GPM.
	AREA TO RECEIVE DRIPLINE NETAFIM TLCV-06-18 TECHLINE PRESSURE COMPENSATING LANDSCAPE DRIPLINE WITH CHECK VALVE. 0.6 GPH EMITTERS AT 18" O.C. DRIPLINE LATERALS SPACED AT 18" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. 17MM.

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	EXISTING REMOTE CONTROL VALVE PROTECT AND REUSE EXISTING VALVE. CONTRACTOR TO VERIFY CONDITION.
BF	EXISTING BACKFLOW PREVENTER 2" BACKFLOW PREVENTER SHALL BE PROTECTED AND PRESERVED
	IRRIGATION LATERAL LINE: PVC SCHEDULE 40
	IRRIGATION LATERAL LINE: PVC CLASS 200
	IRRIGATION MAINLINE: PVC SCHEDULE 40 SCHEDULE 40 PVC PIPE WITH SCHEDULE 40 FITTINGS
	PIPE SLEEVE: PVC CLASS 200 SDR 21



KEY NOTES

CODE	DESCRIPTION
LI-01	EXISTING IRRIGATIONMAINLINE, CONTRACTOR TO LOCATE AND VERIFY
LI-02	EXISTING IRRIGATION LATERAL LINE, CONTRACTOR TO LOCATE AND VERIFY.
LI-03	EXISTING BACKFLOW PREVENTER TO BE PROTECTED AND PRESERVED.
LI-04	EXISTING ZONE VALVE, CONTRACTOR TO VERIFY AND RELOCATE AS REQUIRED.
LI-05	CONNECT EXISTNG LATERAL LINES AND REMOVE EXISTING DRIP LINES
LI-06	EXISTING ZONE VALVE, CONTRACTOR TO LOCATE AND VERIFY.
LI-07	CONNECT NEW VALVES TO EXISITNG MAINLINE AND TO EXISTING CONTROLLER. CONTRACTOR TO FIELD VERIFY LOCATIONS.

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MHTN PROJECT NO. 2024528

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NO.	DATE	DESCRIPTION
X2	13 SEP. 2024	ADDENDUM 2

ISSUE
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AUGUST 29, 2024

SHEET NAME
IRRIGATION PLAN

SHEET NUMBER
LI101

IRRIGATION NOTES

ALL MAIN LINE PIPE SHALL BE NEW SCHEDULE 40 PVC PIPE WITH DEEP SOCKET FITTINGS ON ALL 3" TEES, ELBOWS AND 90'S. ALL LATERAL LINE PIPE SHALL BE SCHEDULE 40 PVC PIPE. FITTINGS ON ALL LATERAL LINES SHALL BE SCHEDULE 40 FITTINGS.

ALL GALVANIZED PIPE ON DETAILS SHALL BE NEW GALVANIZED STEEL PIPE.

LIVE SERVICE MAINS SHALL BE INSTALLED A MINIMUM OF 18" BELOW FINISH GRADE. BACKFILL TRENCH AROUND LIVE SERVICE MAIN WITH A MINIMUM OF 8" OF SAND. LATERAL LINES SHALL BE PLACED A MINIMUM OF 12" BELOW FINISH GRADE.

ALL MAIN LINES SHALL SLOPE TO DRAIN. IF FIELD CONDITIONS NECESSITATE ADDITIONAL DRAINS, THESE DRAINS SHALL BE INSTALLED FOR COMPLETE DRAINAGE OF THE ENTIRE MAINLINE. PROVIDE A 24" DIA. X 24" DEEP GRAVEL SUMP UNDER EACH DRAIN, WHICH DRAIN SHALL BE A MIN. OF 24" BELOW GRADE. ALL MANUAL DRAIN VALVES SHALL BE INSTALLED AS DETAILED ON THE DRAWINGS. INSTALL GEO-TEXTILE FABRIC AROUND EACH GRAVEL DRAIN.

THIS CONTRACTOR SHALL PROVIDE AND INSTALL AIR RELIEF VALVES ON THE MAINLINE AT ALL DEAD END RUNS AND AT ALL HIGH POINTS THROUGHOUT.

THE CONTRACTOR SHALL PRESSURE TEST THE MAINLINE AT 150 P.S.I. PRIOR TO INSTALLING ANY LATERAL LINES.

IRRIGATION SYSTEM IS DESIGNED SO THAT THE SYSTEM CAN BE WINTERIZED USING COMPRESSED AIR. DO NOT INSTALL AUTOMATIC DRAINS ANYWHERE ON THE SYSTEM.

THIS CONTRACTOR SHALL PROVIDE RECORD DRAWINGS OF THE IRRIGATION SPRINKLER SYSTEM IN CAD FORMAT SHOWING EXACT MEASURED AND DIMENSIONED LOCATIONS OF ALL VALVES, WIRE SPLICES NOT IN A VALVE BOX AND OTHER IRRIGATION EQUIPMENT. SEE SPECIFICATIONS. TIE DIMENSIONS TO PERMANENT FEATURES SUCH AS STRUCTURES.

THIS DRAWING IS DIAGRAMMATIC ONLY AND IS INTENDED TO CONVEY THE IDEA OF FULL COVERAGE OF THE IRRIGATION SPRINKLER SYSTEM. PRINTS SHALL NOT BE SCALED. THE IRRIGATION SYSTEM CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION LAYOUT OF THE SYSTEM IN ACCORDANCE WITH THE DRAWINGS TO PROPORTIONALLY COVER A GIVEN AREA AS SHOWN. THE LAYOUT MAY BE MODIFIED IF NECESSARY TO OBTAIN COVERAGE TO SUIT THE MANUFACTURERS STANDARD HEADS INDICATED. DO NOT DECREASE THE NUMBER OF HEADS INDICATED UNLESS THIS IS ACCEPTABLE TO THE LANDSCAPE ARCHITECT. THE SYSTEM SHALL BE TESTED FOR COMPLETE COVERAGE AND ALL NECESSARY PROPER ADJUSTMENTS MADE TO GET FULL AND PROPER COVERAGE PRIOR TO ACCEPTANCE BY THE OWNER.

WIRE SPLICES AND DRAIN VALVES NOT IN CONTROL VALVE VALVE BOXES. SHALL BE IN 10" ROUND VALVE BOXES.

ALL VALVES TO BE WIRED TO CONTROLLERS USING MULTI-STRAND. WIRE AND PEN-TITE WATER RESISTANT WIRE CONNECTORS. ALL VALVE WIRES UNDER PAVING SHALL BE INSTALLED IN A MINIMUM 2" SCHEDULE 40 PVC CONDUIT BURIED 24" DEEP. PROVIDE AND INSTALL A DIFFERENT COLOR VALVE WIRE FOR EACH CONTROLLER. RUN THREE EXTRA REQUIRED TWO HOT (BLUE COLOR) AND ONE COMMON WIRE (WHITE COLOR) . EXTRA WIRE FROM THE ADJACENT CONTROLLER TO EACH GROUP OF VALVES FOR FUTURE USE AND STUB INTO THE VALVE BOX.

ALL VALVE BOXES SHALL BE JUMBO SIZED PLASTIC BOXES, AMETEC OR EQUAL UNLESS OTHERWISE DETAILED.

ALL VALVES WILL BE LOCATED IN GROUPS 3' AWAY FROM WALKS AND CURBS-COORDINATE WITH MAINLINE LAYOUT. A DRAIN VALVE WITH SUMP SHALL BE PROVIDED AND INSTALLED AT EACH GROUP OF VALVES. A QUICK COUPLER SHALL BE PROVIDED AT EVERY VALVE MANIFOLD LOCATION. VALVES SHALL BE LOCATED 3'-0" AWAY FROM THE CURBS, WALKS OR MOWSTRIP.

A MAXIMUM OF FOUR VALVES SHALL BE INSTALLED ON EACH VALVE MANIFOLD OR MAIN LINE TEE. ALL MAINLINE MANIFOLD TEES SHALL HAVE A 4" MINIMUM OUTLET.

THIS CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY SITE ITEMS DAMAGED DURING THE COURSE OF CONSTRUCTION.

IRRIGATION PRODUCT SUBMITTALS SHALL INCLUDE PIPE SLEEVING,CONDUIT, AND ASSOCIATED COMPONENTS

THIS CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT ALL THE EXISTING TREES AND MINIMIZE DAMAGE TO ALL TREE ROOTS. INSTALL LATERALS TO HEADS IN A MANNER TO MINIMIZE ROOT DAMAGE TO ALL EXISTING TREES.

IRRIGATION REMODEL NOTES

THIS CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFICATION OF THE EXISTING SPRINKLER IRRIGATION SYSTEM IN TERMS OF FLOW CAPACITY, VALVE WIRING, VALVE AND HEAD LAYOUT AND CONTROLLER CAPACITY.

THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE REMODEL OF A SECTION OF THE EXISTING IRRIGATION SYSTEM AS SHOWN AND FOR PROVIDING FOR FULL COVERAGE OF ALL SYSTEM HEADS AND FOR THE FULL AND COMPLETE OPERATION OF BOTH THE NEW AND EXISTING SYSTEM IN THE AREAS BEING MODIFIED INCLUDING AREAS ADJACENT TO THE SITE

THIS CONTRACTOR SHALL COORDINATE ALL DEMOLITION WORK AND TIMES WITH THE OWNER.

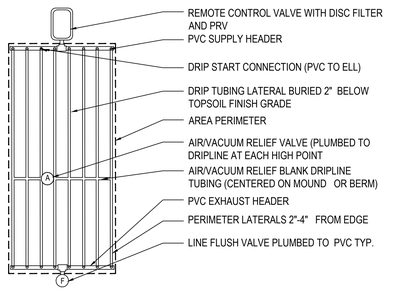
MAINTAIN AND PROTECT AS MUCH OF THE EXISTING IRRIGATION SYSTEM AS POSSIBLE AND FEASIBLE AND STILL PROVIDE FOR FULL COVERAGE OF THE ENTIRE AREA. KEEP ALL LAWN AREA HEADS ON A SEPARATE CIRCUIT FROM SHRUB AREA HEADS.

THE EXISTING IRRIGATION SYSTEMS NOTED TO REMAIN IN USE SHALL BE PATCHED AND REPAIRED AS NECESSARY. MAINTAIN OPERATION OF THE EXISTING SYSTEM AS REQUIRED TO PROTECT EXISTING PLANT MATERIAL. CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE OR DEATH OF EXISTING PLANT MATERIAL.

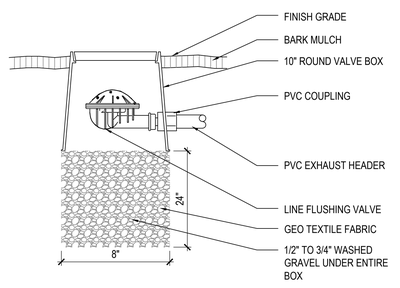
ALL SALVAGED HEADS SHALL BE RETURNED TO THE OWNER.

THIS CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING THE EXISTING VALVE WIRING AND RE-ROUTING AS SHOWN AND AS REQUIRED. MINIMIZE THE USE OF WIRE SPLICES. PROVIDE TEMPORARY WIRING AS REQUIRED TO KEEP THE EXISTING SYSTEM IN OPERATION.

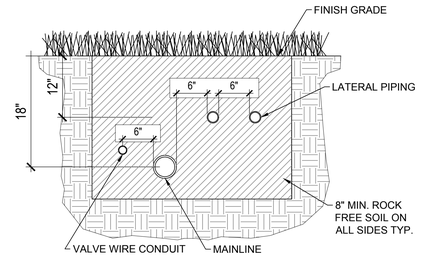
REPAIR DAMAGE TO EXISTING IRRIGATION SYSTEM AND LAWN RESULTING FROM CONSTRUCTION OPERATIONS.



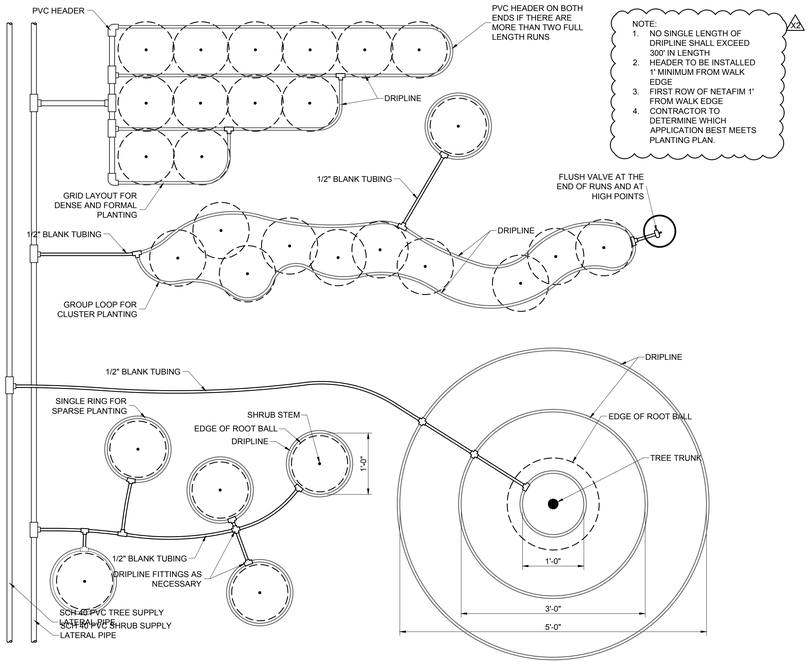
A3 TYPICAL DRIP LAYOUT
1" = 1" JSD-JS-328413-10



A4 DRIP FLUSH VALVE
1" = 1" JSD-JS-328413-02

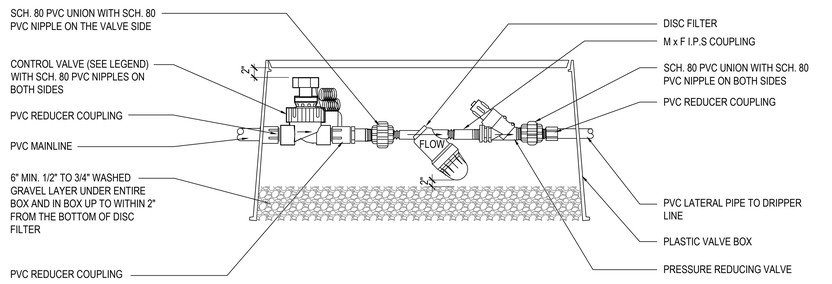


A5 TRENCH DETAIL TYP.
NTS JSD-JS-328409-16



NOTE:
1. NO SINGLE LENGTH OF DRIPLINE SHALL EXCEED 300' IN LENGTH
2. HEADER TO BE INSTALLED 1' MINIMUM FROM WALK EDGE
3. FIRST ROW OF NETAFIM 1' FROM WALK EDGE
4. CONTRACTOR TO DETERMINE WHICH APPLICATION BEST MEETS PLANTING PLAN.

C3 DRIPLINE LAYOUT AT TREES AND SHRUBS
1" = 1'-0" JSD-JS-328413-03



D3 CONTROL VALVE - DRIP SYSTEM
1" = 1" JSD-JS-328413-01 JSD-~~JS-328413~~-01

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MHTN PROJECT NO. 2024528

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REVISIONS
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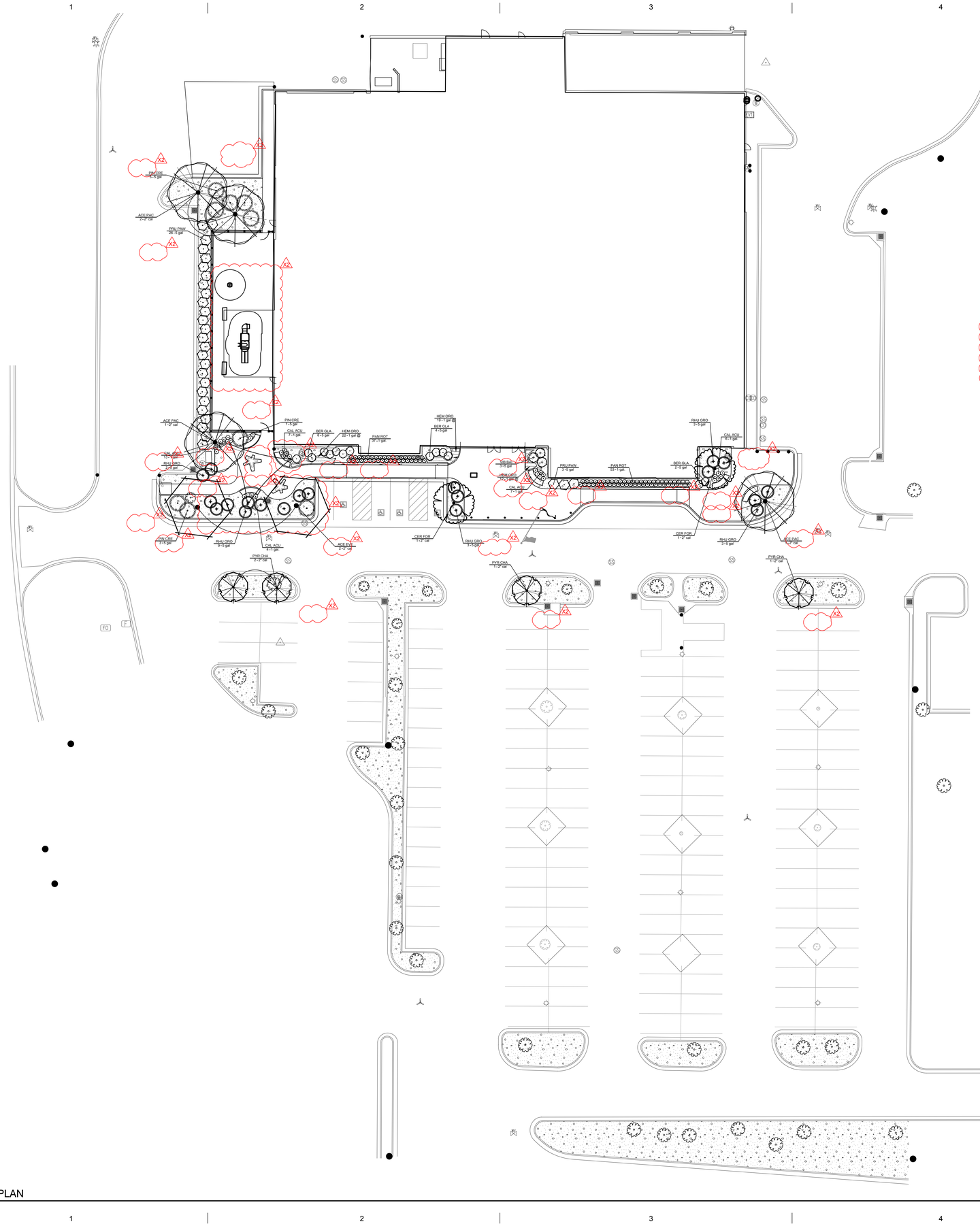
NO.	DATE	DESCRIPTION
X2	13 SEP, 2024	ADDENDUM 2

ISSUE
CONSTRUCTION DOCUMENTS
AUGUST 29, 2024

SHEET NAME
IRRIGATION DETAILS AND NOTES

SHEET NUMBER
LI501



REFERENCE NOTES SCHEDULE

	09 LANDSCAPE AND IRRIGATION		
	CODE	DESCRIPTION	DETAIL	SPECIFICATIONS
	09-06	STONE MULCH	X2	329400

PLANT SCHEDULE

SYMBOL	CODE	BOTANICAL NAME	COMMON NAME	SIZE
TREES				
	ACE EVE	ACER CAMPESTRE `EVELYN`	QUEEN ELIZABETH MAPLE	2" CAL
	ACE PAC	ACER TRUNCATUM `PACIFIC SUNSET` TM	PACIFIC SUNSET MAPLE	2" CAL
	CER FOR	CERCIS CANADENSIS `FOREST PANSY` TM	FOREST PANSY REDBUD	2" CAL
	PYR CHA	PYRUS CALLERYANA `CHANTICLEER`	CHANTICLEER PEAR	2" CAL
SYMBOL	CODE	BOTANICAL NAME	COMMON NAME	CONT
SHRUBS				
	BER GLA	BERBERIS GLADWYNENSIS `WILLIAM PENN` TM	WILLIAM PENN BARBERRY	5 GAL
	CAL ACU	CALAMAGROSTIS ACUTIFOLIA `KARL FOERSTER`	FOERSTER`S REED GRASS	1 GAL.
	PAN ROT	PANICUM VIRGATUM `ROTSTRAHLBUSCH`	ROTSTRAHLBUSCH SWITCH GRASS	1 GAL.
	PIN CRE	PINUS SYLVESTRIS `ALBYN PROSTRATA`	CREEPING SCOTCH PINE	5 GAL
	PRU PAW	PRUNUS BESSEYI `PAWNEE BUTTES` TM	CREEPING WESTERN SAND CHERRY	5 GAL
	RHU GRO	RHUS AROMATICA `GRO-LOW`	GRO-LOW FRAGRANT SUMAC	5 GAL
	VIB BAI	VIBURNUM TRILOBUM `BAILEY COMPACTUM`	BAILEY`S COMPACT AMERICAN CRANBERRY BUSH	5 GAL
SYMBOL	CODE	BOTANICAL NAME	COMMON NAME	CONT
SHRUB AREAS				
	HEM ORO	HEMEROCALLIS X `STELLA DE ORO`	STELLA DE ORO DAYLILY	1 GAL @

E1 PLANTING PLAN
1" = 20'

VIEW-703358770

Autodesk Docs://2024528 JSD Retail Remodel/A24 2024528 JSD Retail Remodel.rvt
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No. 4812865
08-29-2024
LICENSED LANDSCAPE ARCHITECT

MHTN PROJECT NO. 2024528

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REVISIONS
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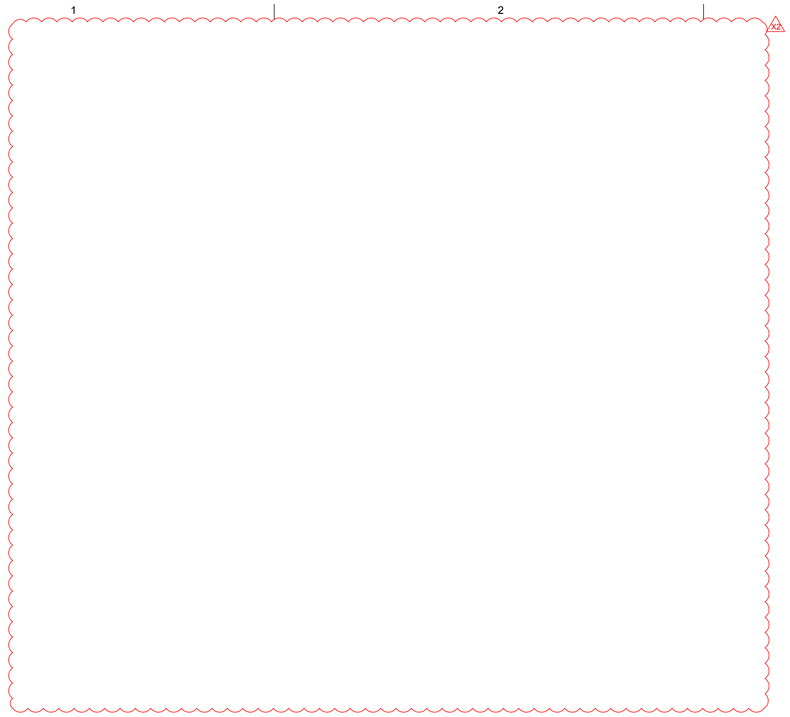
NO	DATE	DESCRIPTION
X2	13 SEP, 2024	ADDENDUM 2

ISSUE
CONSTRUCTION DOCUMENTS
AUGUST 29, 2024

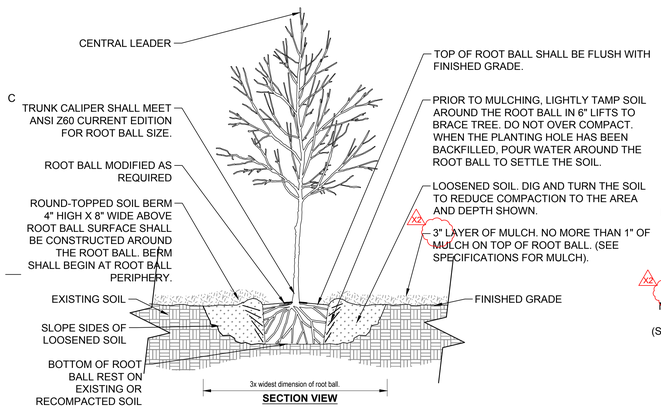
SHEET NAME
PLANTING PLAN

SHEET NUMBER
LP101



NOTES:
1- TREES SHALL BE OF QUALITY PRESCRIBED IN CROWN OBSERVATIONS AND ROOT OBSERVATIONS DETAILS AND SPECIFICATIONS.

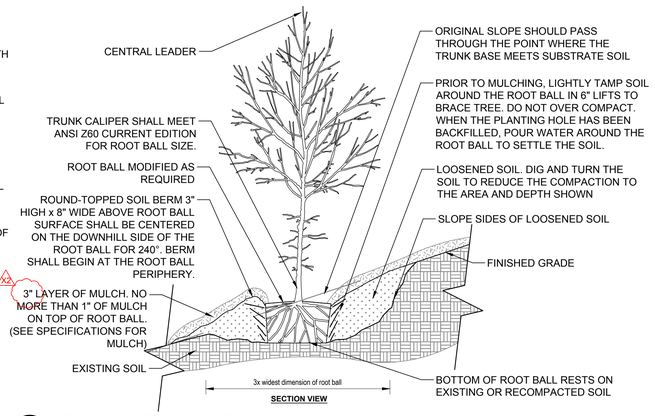
2- SEE SPECIFICATIONS FOR FURTHER REQUIREMENTS RELATED TO THIS DETAIL.



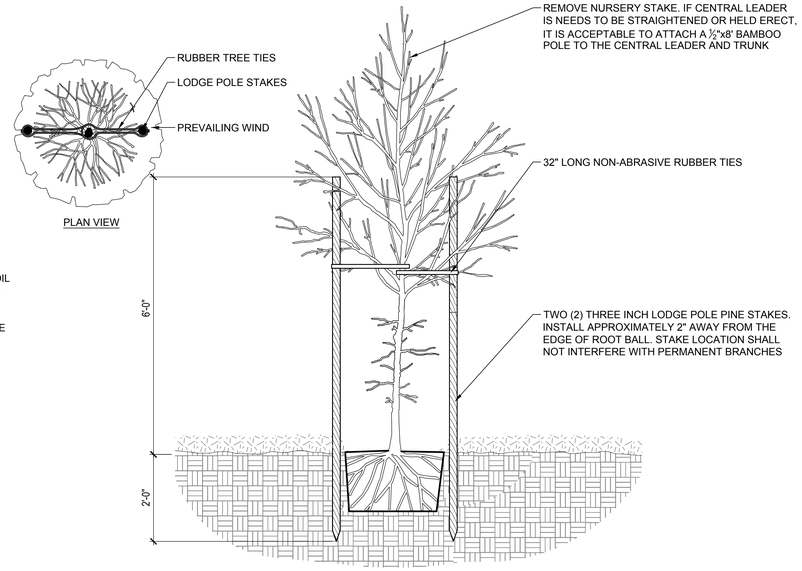
D1 TREE W/ BERM
1/2" = 1'-0"
JSD-JS-329346-04

NOTES:
1- TREES SHALL BE OF QUALITY PRESCRIBED IN CROWN OBSERVATIONS AND ROOT OBSERVATIONS DETAILS AND SPECIFICATIONS.

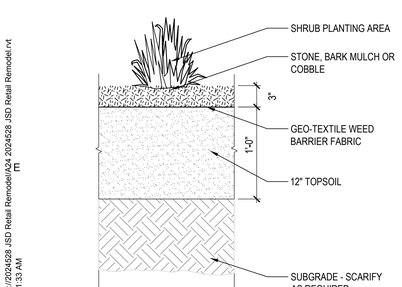
2- SEE SPECIFICATIONS FOR FURTHER REQUIREMENTS RELATED TO THIS DETAIL.



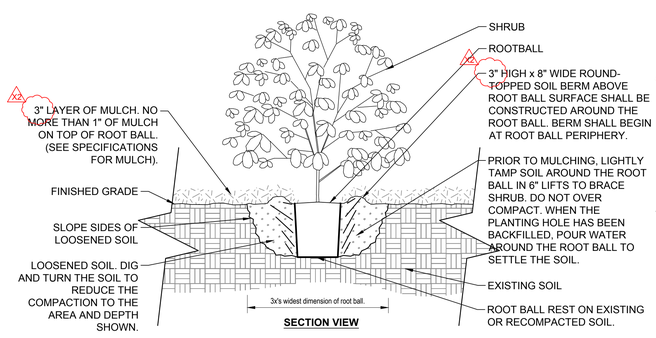
D2 TREE ON SLOPES 5% TO 50%
1/2" = 1'-0"
JSD-JS-329346-05



D4 TREE STAKING- LODGE POLES (2)
3/4" = 1'-0"
JSD-JS-329346-06



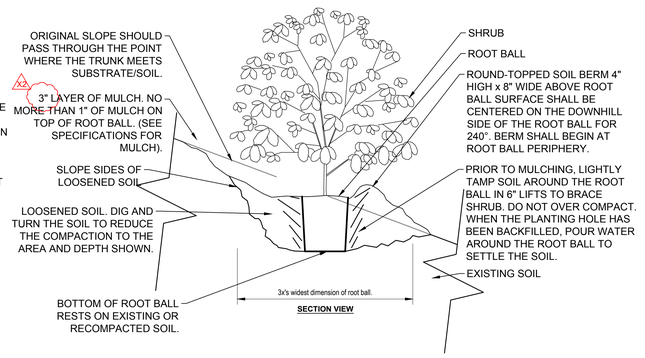
E1 SHRUB TOPSOIL PROFILE
1 1/2" = 1'-0"
JSD-JS-329313-08



NOTES:
1- SHRUBS SHALL BE OF QUALITY PRESCRIBED IN THE ROOT OBSERVATIONS DETAIL AND SPECIFICATIONS.

2- SEE SPECIFICATIONS FOR FURTHER REQUIREMENTS RELATED TO THIS DETAIL.

E2 SHRUB PLANTING
3/4" = 1'-0"
JSD-JS-329333-05



NOTES:
1- SHRUBS SHALL BE OF QUALITY PRESCRIBED IN THE ROOT OBSERVATIONS DETAIL AND SPECIFICATIONS.

2- SEE SPECIFICATIONS FOR FURTHER REQUIREMENTS RELATED TO THIS DETAIL.

E3 SHRUB ON SLOPE 5% (20:1) TO 50% (2:1) - UNMODIFIED SOIL
3/4" = 1'-0"
JSD-JS-329333-06

PLANTING NOTES

ALL PLANTS SHALL CONFORM TO THE MINIMUM STANDARDS OF HEIGHT, SIZE, CALIPER AND ETC. OF THE AMERICAN ASSOCIATIONS OF NURSERYMEN "AMERICAN STANDARDS FOR NURSERY STOCK".

THIS CONTRACTOR SHALL SPREAD TOPSOIL TO A DEPTH OF 6" IN ALL LAWN PLANTING AREAS AND 12" IN ALL SHRUB AND PERENNIAL BEDS.

THIS CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSING FROM THE SITE ALL SOIL EXCAVATED FROM TREE PITS.

ALL MOWSTRIPS ARE TO BE INSTALLED PRIOR TO THE INSTALLATION OF THE IRRIGATION SYSTEM SYSTEM AND THE LANDSCAPE PLANTING.

INSTALL SHREDDED BARK MULCH IN ALL SHRUB PLANTING BEDS AFTER PLANT MATERIAL INSTALLATION.

THIS CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING THE REQUIRED AMOUNT OF TOPSOIL TO COMPLETE THE PROJECT. NEW TOPSOIL SHALL MATCH QUALITY AND TEXTURE OF THE EXISTING TOPSOIL ON SITE.

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SEAL

STATE OF UTAH
VINCENT RULON OLDOTT
No. 481205
08-29-2024
LICENSED LANDSCAPE ARCHITECT

MHTN PROJECT NO: 2024528

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X2	13 SEP, 2024	ADDENDUM 2

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SHEET NAME
PLANTING DETAILS

SHEET NUMBER
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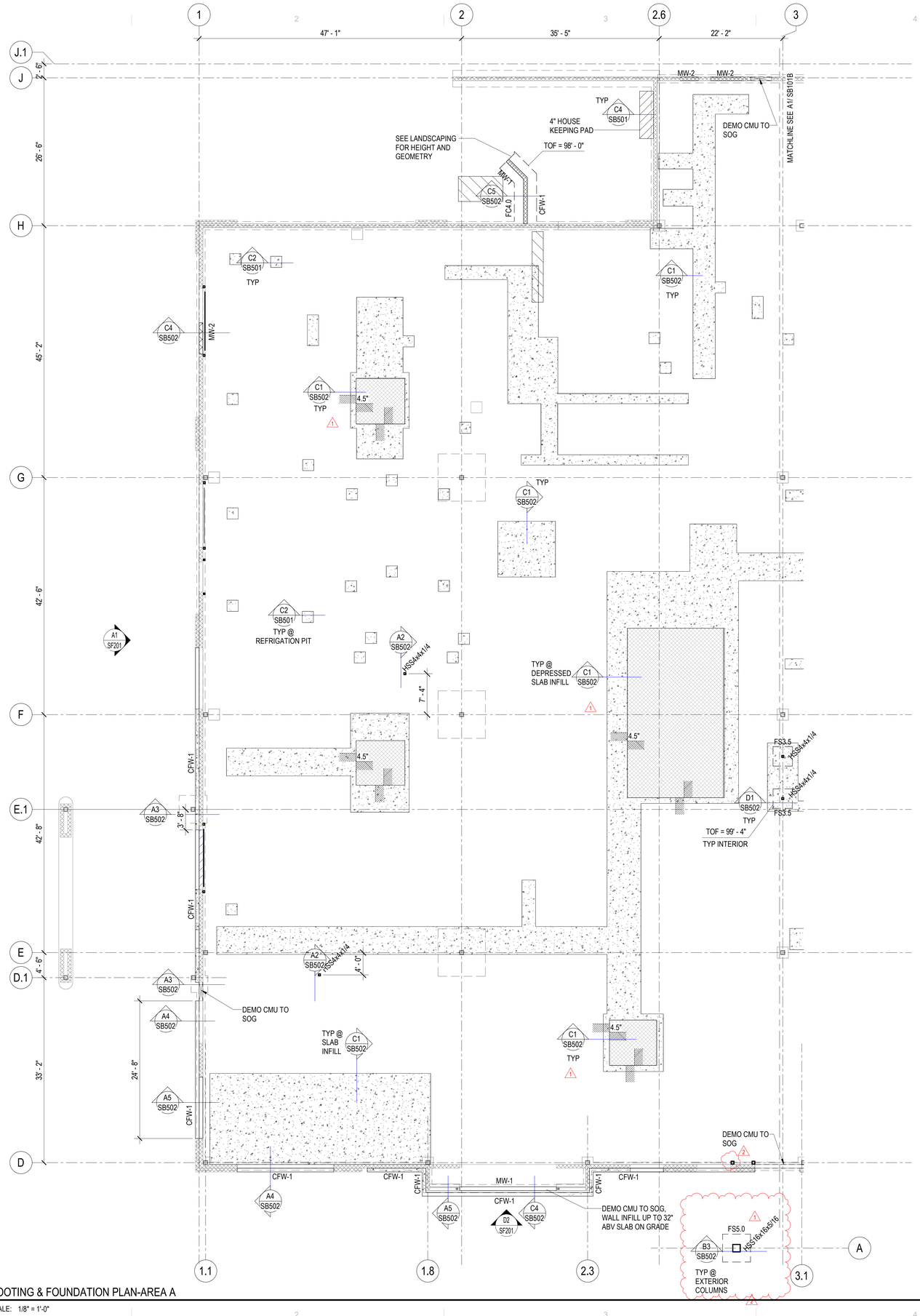

A1 SB101A FOOTING & FOUNDATION PLAN-AREA A

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

FOOTING & FOUNDATION PLAN NOTES

1. SEE ARCHITECTURAL, CIVIL AND LANDSCAPE DRAWINGS FOR EXTERIOR CONCRETE RETAINING AND / OR SITE WALLS NOT SHOWN ON THE STRUCTURAL DRAWINGS.

2. SEE TYPICAL STEP DETAIL AT CONTINUOUS FOOTING AND TYPICAL STEP DETAIL AT MAT FOOTING FOR REINFORCING REQUIREMENTS D1/SB501 .

3. PROVIDE REINFORCEMENT AT WALL ENDS, INTERSECTIONS AND OPENINGS PER TYPICAL DETAILS D2/SB601 AND C2/SB601.

4. DOWEL ALL CONCRETE WALLS TO FOOTING PER TYPICAL DETAIL C4/SB501.

5. PROVIDE COMPACTED STRUCTURAL FILL UNDER ALL CONCRETE FOOTINGS PER TYPICAL DETAIL A5/SB501.

6. WHERE REQUIRED, DEMO THE EXISTING SLAB ON GRADE AND REPLACE WITH NEW CONCRETE MATCHING THE THICKNESS OF THE EXISTING SLAB PER DETAIL C1/SB502.

7. SBP-# INDICATES THE COLUMN BASEPLATE TYPE. SEE SCHEDULE ON SF602

EXISTING BUILDING NOTES

1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO DETAILING, FABRICATING, ERECTING OR INSTALLING ANY STRUCTURAL ELEMENT. ALL DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGN TEAM IN A TIMELY MANNER SUCH THAT WORK WILL NOT BE DELAYED.

2. THE CONTRACTOR SHALL PROVIDE ADEQUATE SHORING OF EXISTING STRUCTURE DURING CONSTRUCTION.

3. INFILL ROOF DECK OPENINGS, SEE TYP DETAIL B3/SF503 .

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SOUTH JORDAN, UT 84009

SEAL

MHTN PROJECT NO. 2024528

Original drawing is 30 x 42. Do not scale contents of this drawing.

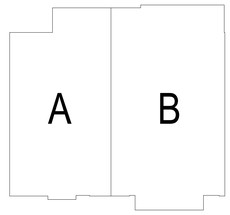
REVISIONS
CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE.

NO.	DATE	DESCRIPTION
1	09/06/24	X1
2	09/13/24	X2

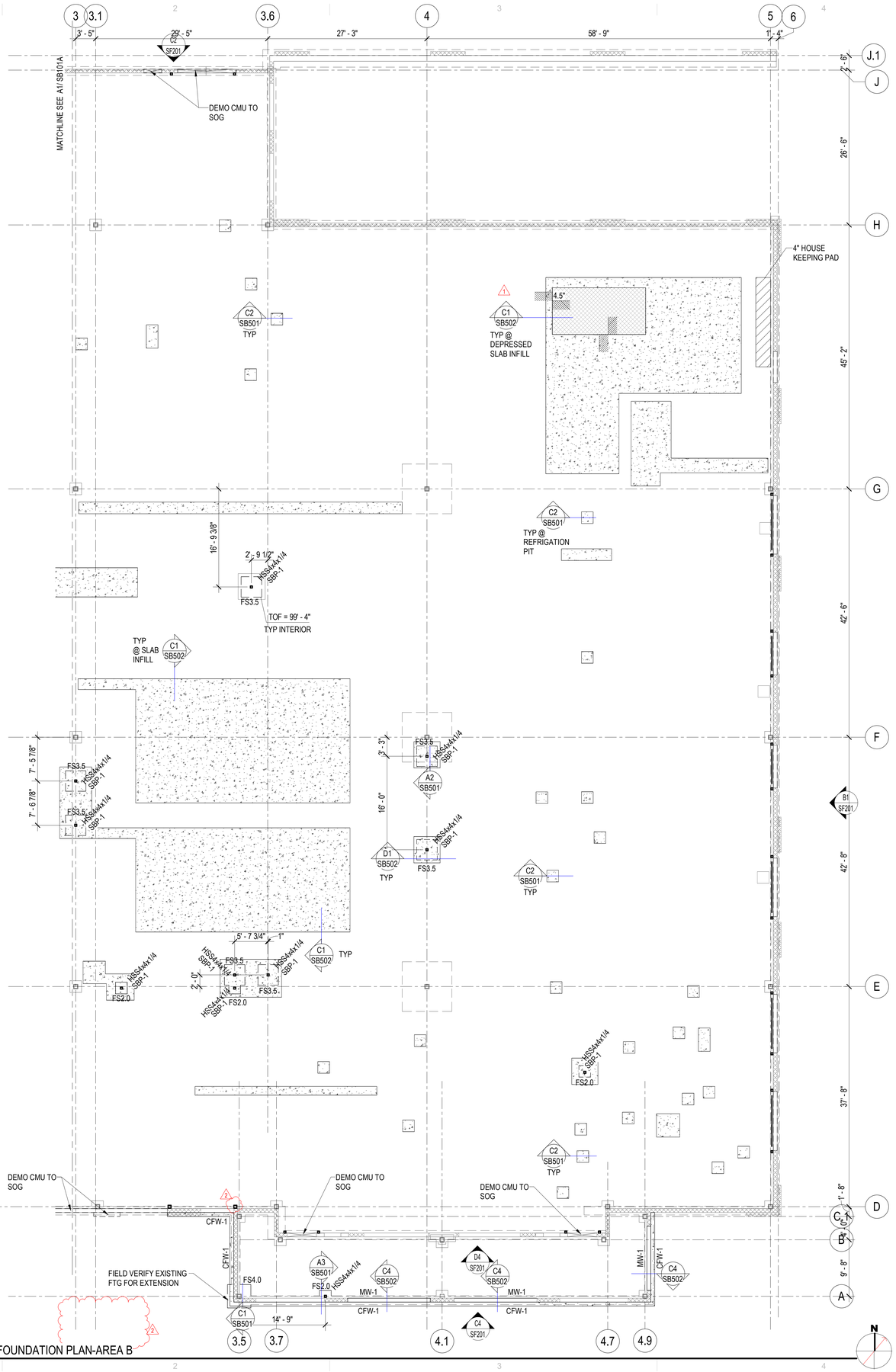
ISSUE
CONSTRUCTION DOCUMENTS 100%
08/29/24

SHEET NAME
FOOTING AND FOUNDATION PLAN-AREA A

SHEET NUMBER
SB101A



KEY PLAN



A1 / SB101B FOOTING & FOUNDATION PLAN-AREA B

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

FOOTING & FOUNDATION PLAN NOTES

1. SEE ARCHITECTURAL, CIVIL AND LANDSCAPE DRAWINGS FOR EXTERIOR CONCRETE RETAINING AND / OR SITE WALLS NOT SHOWN ON THE STRUCTURAL DRAWINGS.

2. SEE TYPICAL STEP DETAIL AT CONTINUOUS FOOTING AND TYPICAL STEP DETAIL AT MAT FOOTING FOR REINFORCING REQUIREMENTS D1/SB501.

3. PROVIDE REINFORCEMENT AT WALL ENDS, INTERSECTIONS AND OPENINGS PER TYPICAL DETAILS D2/SB601 AND C2/SB601.

4. DOWEL ALL CONCRETE WALLS TO FOOTING PER TYPICAL DETAIL C4/SB501.

5. PROVIDE COMPACTED STRUCTURAL FILL UNDER ALL CONCRETE FOOTINGS PER TYPICAL DETAIL A5/SB501.

6. WHERE REQUIRED, DEMO THE EXISTING SLAB ON GRADE AND REPLACE WITH NEW CONCRETE MATCHING THE THICKNESS OF THE EXISTING SLAB PER DETAIL C1/SB502.

7. SBP-# INDICATES THE COLUMN BASEPLATE TYPE. SEE SCHEDULE ON SF602

EXISTING BUILDING NOTES

1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO DETAILING, FABRICATING, ERECTING OR INSTALLING ANY STRUCTURAL ELEMENT. ALL DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGN TEAM IN A TIMELY MANNER SUCH THAT WORK WILL NOT BE DELAYED.

2. THE CONTRACTOR SHALL PROVIDE ADEQUATE SHORING OF EXISTING STRUCTURE DURING CONSTRUCTION.

3. INFILL ROOF DECK OPENINGS, SEE TYP DETAIL B3/SF503.

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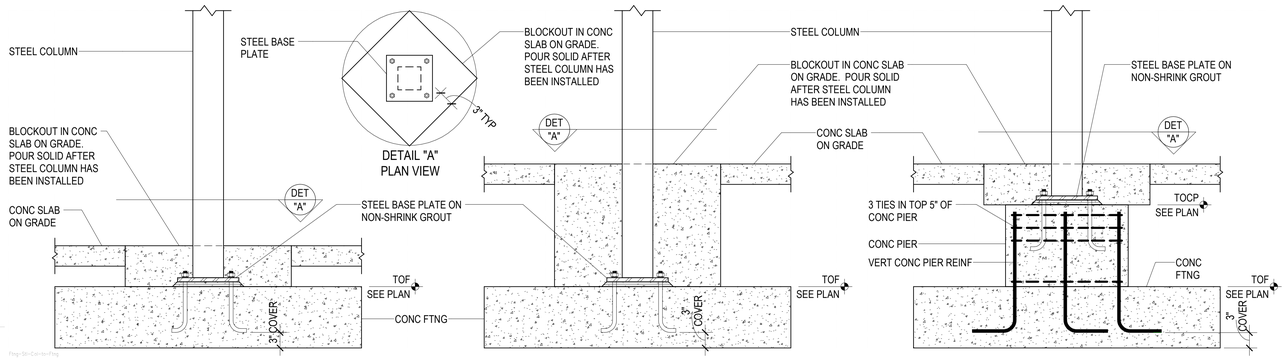
1	09/06/24	X1
2	09/13/24	X2

ISSUE
CONSTRUCTION DOCUMENTS 100%
08/29/24

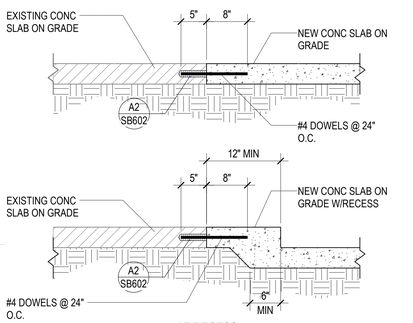
SHEET NAME
FOOTING & FOUNDATION PLAN-AREA B

SHEET NUMBER
SB101B



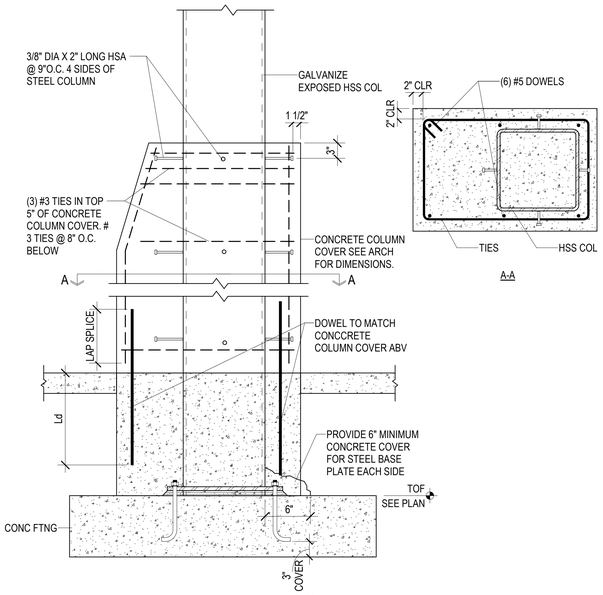
D1 / SB502 — TYPICAL STEEL COLUMN CONNECTION TO CONCRETE FOOTING/CONCRETE PIER

NO SCALE



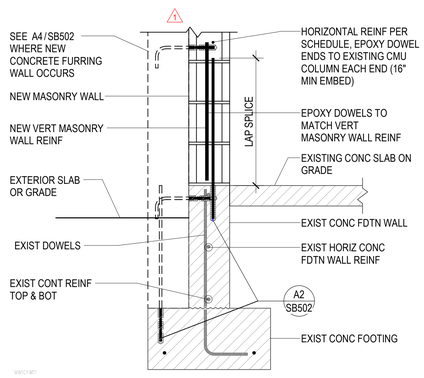
C1 / SB502 — TYPICAL NEW SLAB ON GRADE CONNECTION TO EXISTING CONCRETE SLAB ON GRADE

NO SCALE



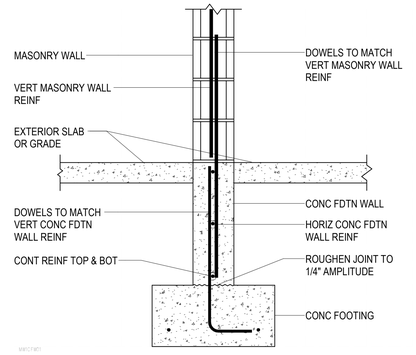
B3 / SB502 — TYPICAL STEEL COLUMN CONNECTION TO CONCRETE FOOTING/CONCRETE PIER

NO SCALE



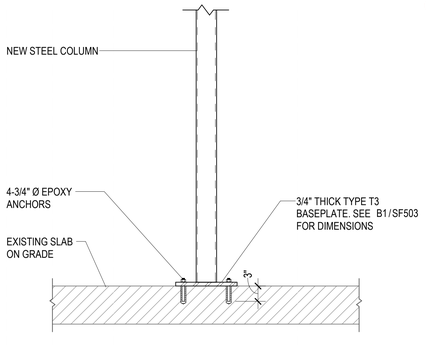
C4 / SB502 — TYPICAL NEW MASONRY WALL ON EXIST FOUNDATION WALL

NO SCALE



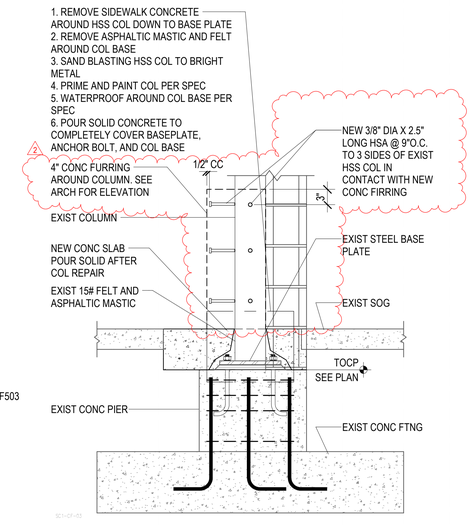
C5 / SB502 — TYPICAL MASONRY WALL ON FOUNDATION WALL

NO SCALE



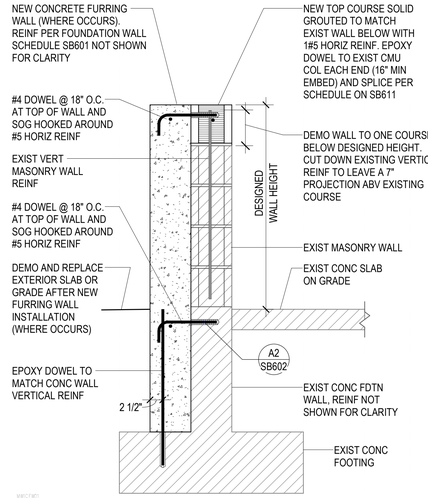
A2 / SB502 — NEW TUBE COLUMN CONNECTION TO EXISTING SLAB ON GRADE

NO SCALE



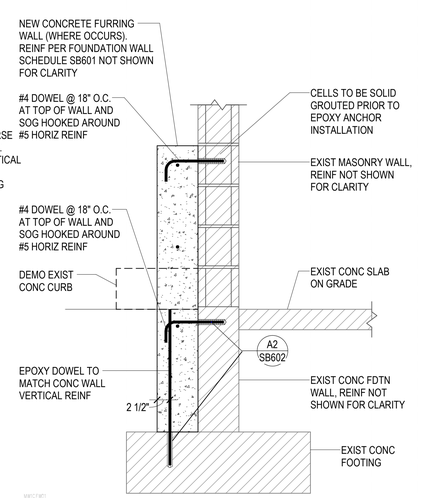
A3 / SB502 — RUST REPAIR ON EXIST EXTERIOR HSS COLUMN

NO SCALE



C4 / SB502 — MASONRY WALL CUT DOWN ON EXIST FOUNDATION WALL

NO SCALE



A5 / SB502 — NEW FURRING CONC WALL TO EXISTING CMU WALL

NO SCALE

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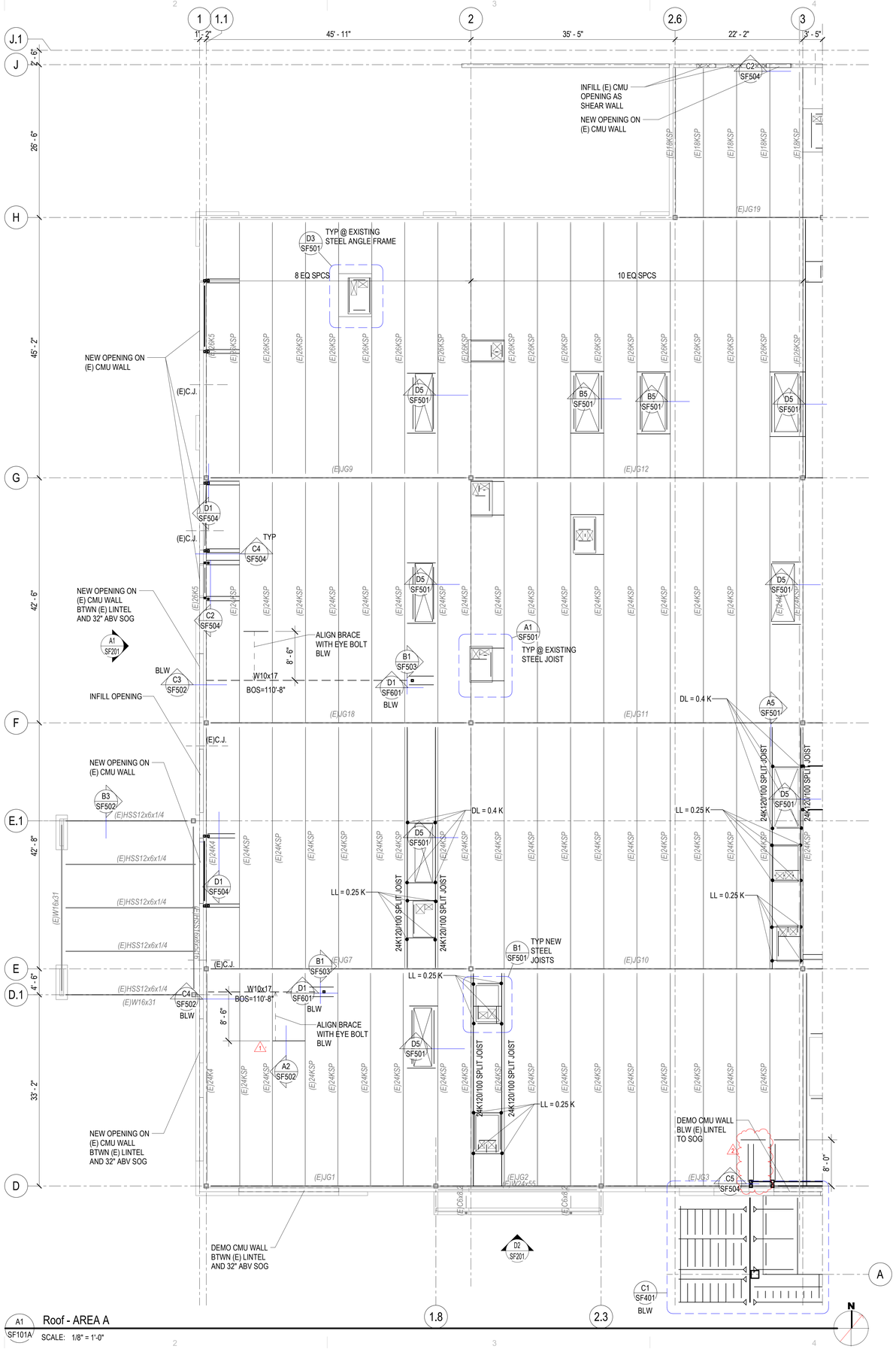
ISSUE
CONSTRUCTION DOCUMENTS 100%
08/29/24

SHEET NAME
TYPICAL FOOTING & FOUNDATION DETAILS

SHEET NUMBER
SB502



A1 SF101A Roof - AREA A

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

ROOF FRAMING PLAN NOTES

1. SEE ARCHITECTURAL FOR ROOF SLOPES AND DRAINS.

EXISTING BUILDING NOTES

1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO DETAILING, FABRICATING, ERECTING OR INSTALLING ANY STRUCTURAL ELEMENT. ALL DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGN TEAM IN A TIMELY MANNER SUCH THAT WORK WILL NOT BE DELAYED.

2. THE CONTRACTOR SHALL PROVIDE ADEQUATE SHORING OF EXISTING STRUCTURE DURING CONSTRUCTION.

3. INFILL ROOF DECK OPENINGS, SEE TYP DETAIL B3/SF503 .

NON-COMPOSITE FRAMING PLAN NOTES

1. SEE STEEL DECK SCHEDULE ON SHEET SF602 FOR DECK PROFILE AND DECK ATTACHMENT REQUIREMENTS.

2. FOR ROUND OPENINGS LESS THAN 12 INCHES IN DIAMETER SEE DETAILD2/SF501

3. VERIFY SIZE WEIGHT, LOCATION AND CONFIGURATION OF ALL ROOF TOP EQUIPMENT WITH ARCHITECT AND MECHANICAL ENGINEER. PROVIDE STEEL FRAMES FOR SUPPORT OF ROOF TOP EQUIPMENT PER DETAIL D3/SF501AT EXISTING STEEL ANGLE FRAMES, B1/SF501 AT NEW JOISTS, AND A1/SF501 AT EXISTING JOISTS. COORDINATE OPENINGS WITH MECHANICAL & ELECTRICAL.

OPEN WEB JOIST FRAMING PLAN NOTES

1. OPEN WEB STEEL JOISTS AND JOIST GIRDERS SHALL BE DESIGNED BY THE MANUFACTURER TO SUPPORT THE MECHANICAL AND LATERAL LOADS SHOWN ON THE ROOF FRAMING PLANS IN ADDITION TO THE UNIFORM AND POINT LOADS SHOWN. LOADS SHOWN ARE ASD UNO

2. ±#.##k – INDICATES POINT LOAD ON STEEL JOIST IN ADDITION TO UNIFORM LOADING SHOWN. + INDICATES DOWNWARD AND - INDICATES UPWARD LOADS. LOADS SHOWN ARE UNFACTORED, UNO.

3. T/C X.XXK INDICATES ADDITIONAL TOP CHORD AXIAL FORCE ON STEEL JOIST OR GIRDER. THIS FORCE IS A FACTORED SEISMIC LOAD THAT SHALL BE CONSIDERED IN BOTH TENSION AND COMPRESSION AND INCLUDES APPLICABLE OVERSTRENGTH FACTORS PER THE GOVERNING BUILDING CODE. STEEL JOISTS AND GIRDERS WITH T/C FORCE SHALL BE DESIGNED AS COLLECTOR ELEMENTS.

4. ALL LOADS SUPPORTED BY OPEN WEB STEEL JOISTS AND GIRDERS SHALL BE LOCATED WITHIN 6" OF JOIST OR GIRDER PANEL POINT OR THE JOIST OR GIRDER SHALL BE REINFORCED PER DETAIL B4/SF501.

5. HORIZONTAL CROSS BRIDGING SHALL BE SIZED AND SUPPLIED BY THE JOIST MANUFACTURER. CONNECT TO WALLS AS INDICATED ON DETAILS .

6. WHERE SKYLIGHTS OR MECHANICAL UNITS INTERRUPT HORIZONTAL BRIDGING, PROVIDE CROSS BRIDGING AT JOIST SPACES ON EACH SIDE, TYP.

7. ALL OPEN WEB STEEL JOISTS WITH A SLOPE OF 3/8" PER FOOT OR LARGER SHALL HAVE SLOPED BEARING SEATS.

8 OPEN WEB STEEL JOISTS AT ROOF AREAS SHALL BE DESIGNED FOR THE FOLLOWING WIND ASD NET UPLIFT LOADS: 19 PSF WITHIN 11.4 FT OF ROOF EDGES, 11 PSF AT ALL OTHER AREAS.

9. PROVIDE SPLICE CONNECTION NEAR MIDSPAN OF NEW JOISTS FOR INSTALLATION.

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SEAL

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REVISIONS
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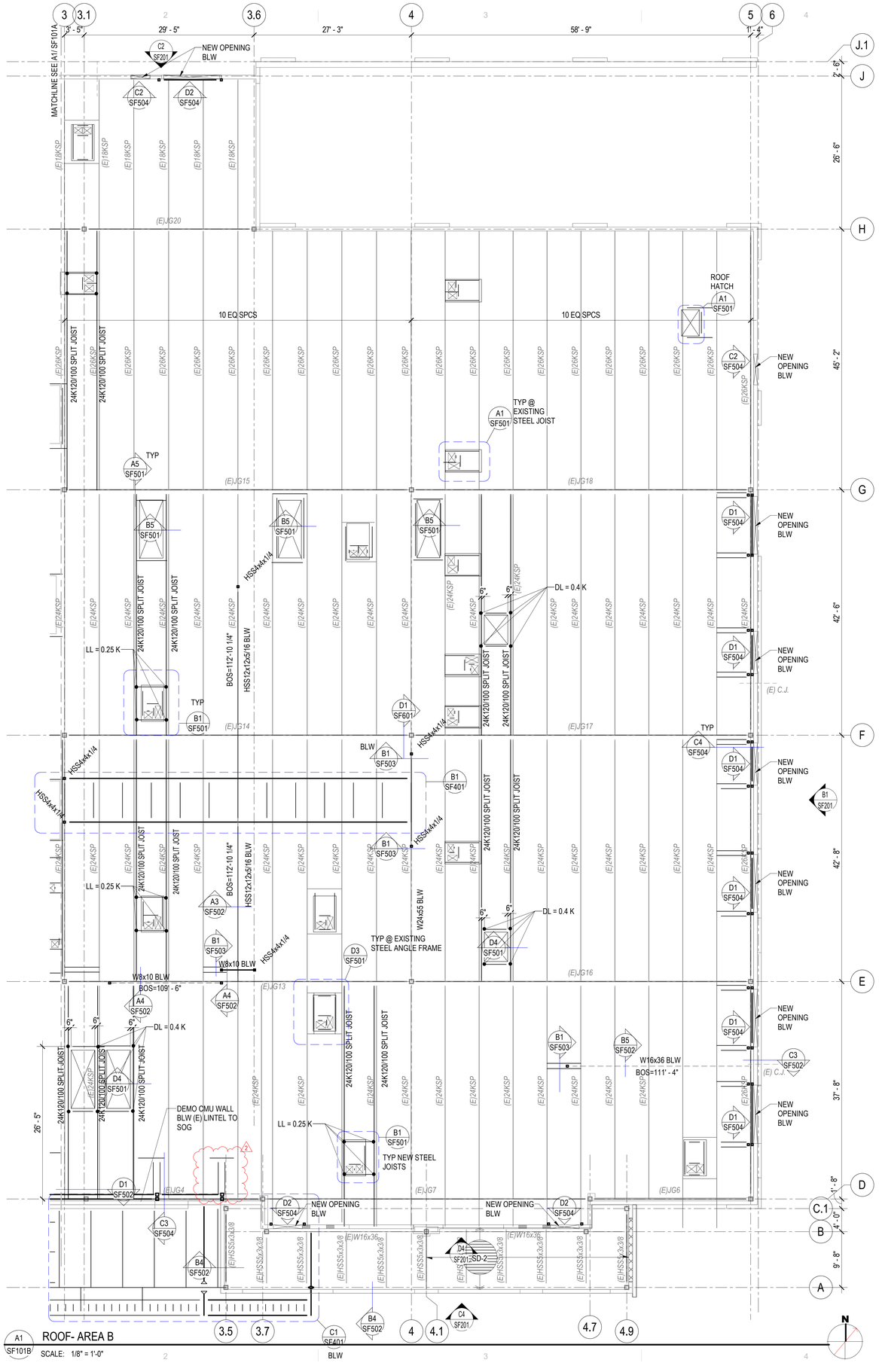
1	09/06/24	X1
2	09/13/24	X2

ISSUE
CONSTRUCTION DOCUMENTS 100%
08/29/24

SHEET NAME
ROOF FRAMING PLAN- AREA A

SHEET NUMBER
SF101A



A1 SF101B ROOF- AREA B

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

ROOF FRAMING PLAN NOTES

1. SEE ARCHITECTURAL FOR ROOF SLOPES AND DRAINS.

EXISTING BUILDING NOTES

1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO DETAILING, FABRICATING, ERECTING OR INSTALLING ANY STRUCTURAL ELEMENT. ALL DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGN TEAM IN A TIMELY MANNER SUCH THAT WORK WILL NOT BE DELAYED.

2. THE CONTRACTOR SHALL PROVIDE ADEQUATE SHORING OF EXISTING STRUCTURE DURING CONSTRUCTION.

3. INFILL ROOF DECK OPENINGS, SEE TYP DETAIL B3/SF503 .

NON-COMPOSITE FRAMING PLAN NOTES

1. SEE STEEL DECK SCHEDULE ON SHEET SF602 FOR DECK PROFILE AND DECK ATTACHMENT REQUIREMENTS.

2. FOR ROUND OPENINGS LESS THAN 12 INCHES IN DIAMETER SEE DETAILD2/SF501

3. VERIFY SIZE WEIGHT, LOCATION AND CONFIGURATION OF ALL ROOF TOP EQUIPMENT WITH ARCHITECT AND MECHANICAL ENGINEER. PROVIDE STEEL FRAMES FOR SUPPORT OF ROOF TOP EQUIPMENT PER DETAIL D3/SF501AT EXISTING STEEL ANGLE FRAMES, B1/SF501 AT NEW JOISTS, AND A1/SF501 AT EXISTING JOISTS. COORDINATE OPENINGS WITH MECHANICAL & ELECTRICAL.

OPEN WEB JOIST FRAMING PLAN NOTES

1. OPEN WEB STEEL JOISTS AND JOIST GIRDERS SHALL BE DESIGNED BY THE MANUFACTURER TO SUPPORT THE MECHANICAL AND LATERAL LOADS SHOWN ON THE ROOF FRAMING PLANS IN ADDITION TO THE UNIFORM AND POINT LOADS SHOWN. LOADS SHOWN ARE ASD UNO

2. ±#.##k – INDICATES POINT LOAD ON STEEL JOIST IN ADDITION TO UNIFORM LOADING SHOWN. + INDICATES DOWNWARD AND - INDICATES UPWARD LOADS. LOADS SHOWN ARE UNFACTORED, UNO.

3. T/C X.XXK INDICATES ADDITIONAL TOP CHORD AXIAL FORCE ON STEEL JOIST OR GIRDER. THIS FORCE IS A FACTORED SEISMIC LOAD THAT SHALL BE CONSIDERED IN BOTH TENSION AND COMPRESSION AND INCLUDES APPLICABLE OVERSTRENGTH FACTORS PER THE GOVERNING BUILDING CODE. STEEL JOISTS AND GIRDERS WITH T/C FORCE SHALL BE DESIGNED AS COLLECTOR ELEMENTS.

4. ALL LOADS SUPPORTED BY OPEN WEB STEEL JOISTS AND GIRDERS SHALL BE LOCATED WITHIN 6" OF JOIST OR GIRDER PANEL POINT OR THE JOIST OR GIRDER SHALL BE REINFORCED PER DETAIL B4/SF501.

5. HORIZONTAL CROSS BRIDGING SHALL BE SIZED AND SUPPLIED BY THE JOIST MANUFACTURER. CONNECT TO WALLS AS INDICATED ON DETAILS .

6. WHERE SKYLIGHTS OR MECHANICAL UNITS INTERRUPT HORIZONTAL BRIDGING, PROVIDE CROSS BRIDGING AT JOIST SPACES ON EACH SIDE, TYP.

7. ALL OPEN WEB STEEL JOISTS WITH A SLOPE OF 3/8" PER FOOT OR LARGER SHALL HAVE SLOPED BEARING SEATS.

8 OPEN WEB STEEL JOISTS AT ROOF AREAS SHALL BE DESIGNED FOR THE FOLLOWING WIND ASD NET UPLIFT LOADS: 19 PSF WITHIN 11.4 FT OF ROOF EDGES, 11 PSF AT ALL OTHER AREAS.

9. PROVIDE SPLICE CONNECTION NEAR MIDSPAN OF NEW JOISTS FOR INSTALLATION.

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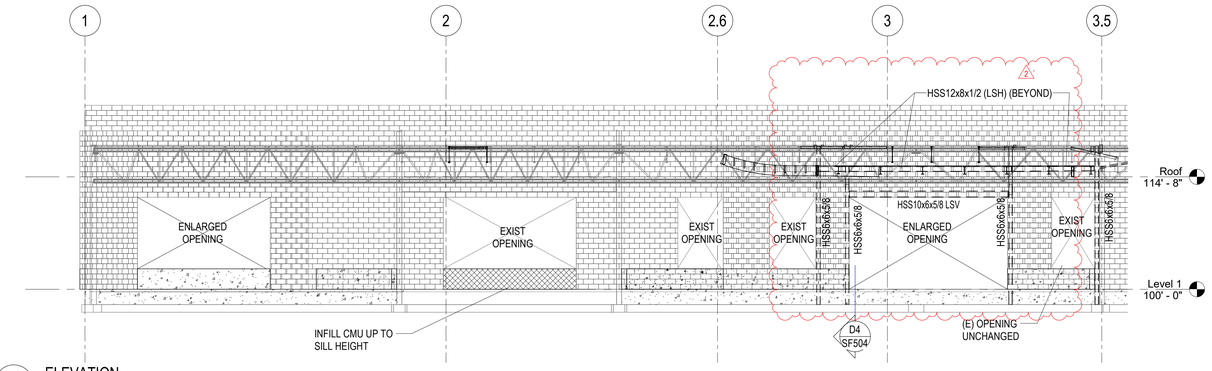
ISSUE
CONSTRUCTION DOCUMENTS 100%
08/29/24

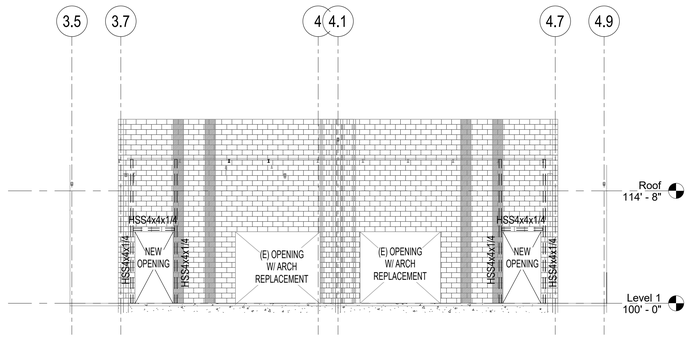
SHEET NAME
ROOF FRAMING PLAN-AREA B

SHEET NUMBER
SF101B



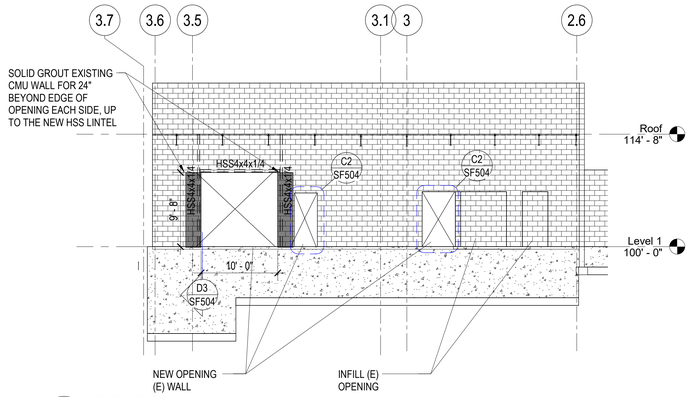
D2 SF201 ELEVATION

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



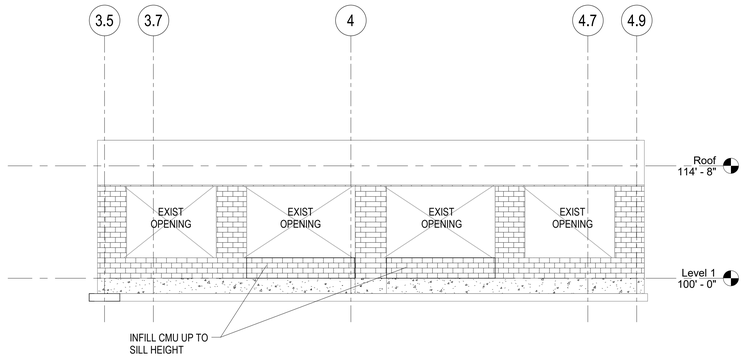
D4 SF201 ELEVATION

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



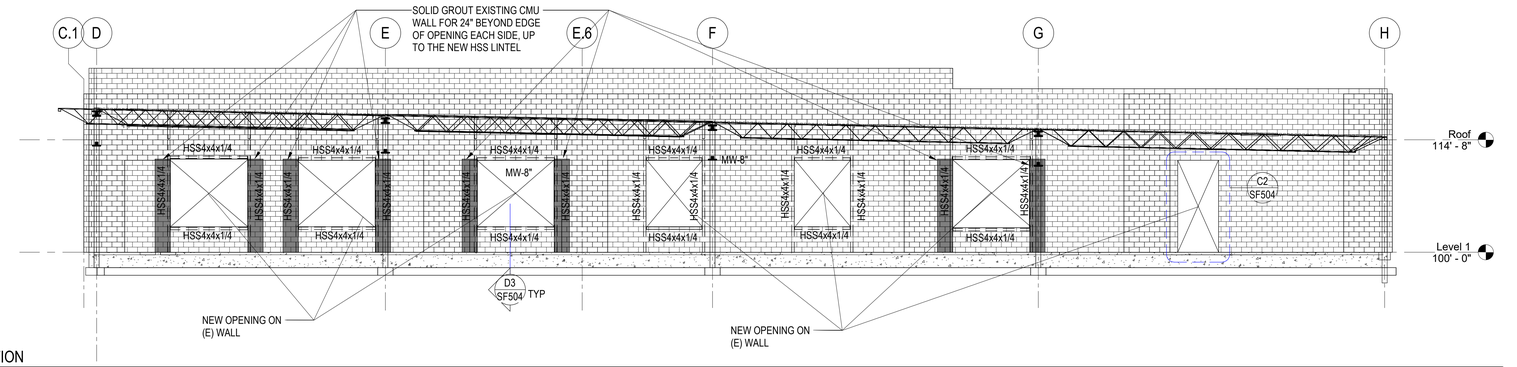
C2 SF201 ELEVATION

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



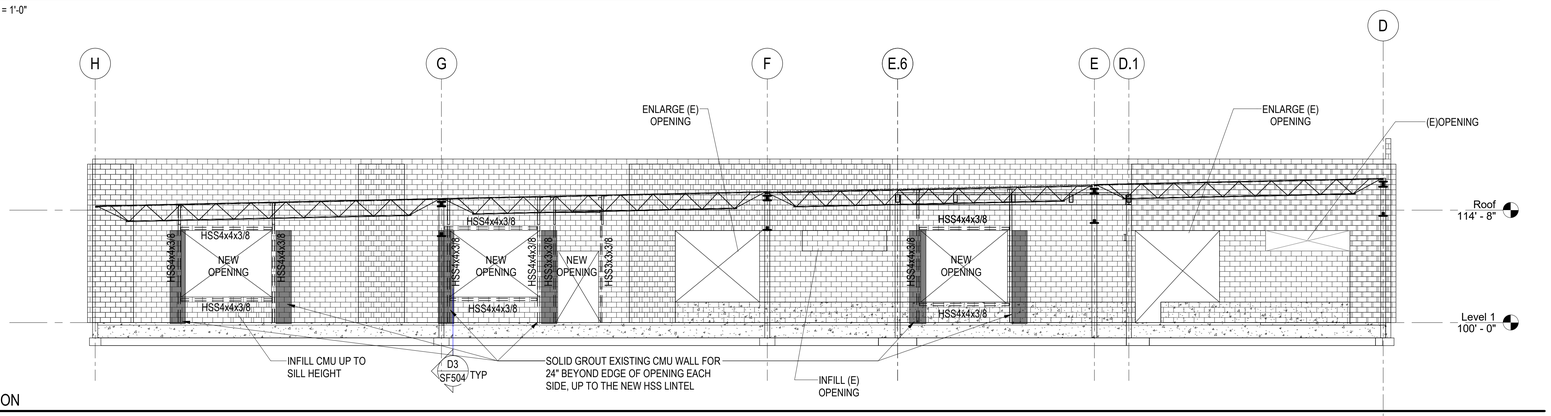
C4 SF201 Elevation 10 - a

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



B1 SF201 ELEVATION

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



A1 SF201 ELEVATION

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

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2	09/13/24	X2

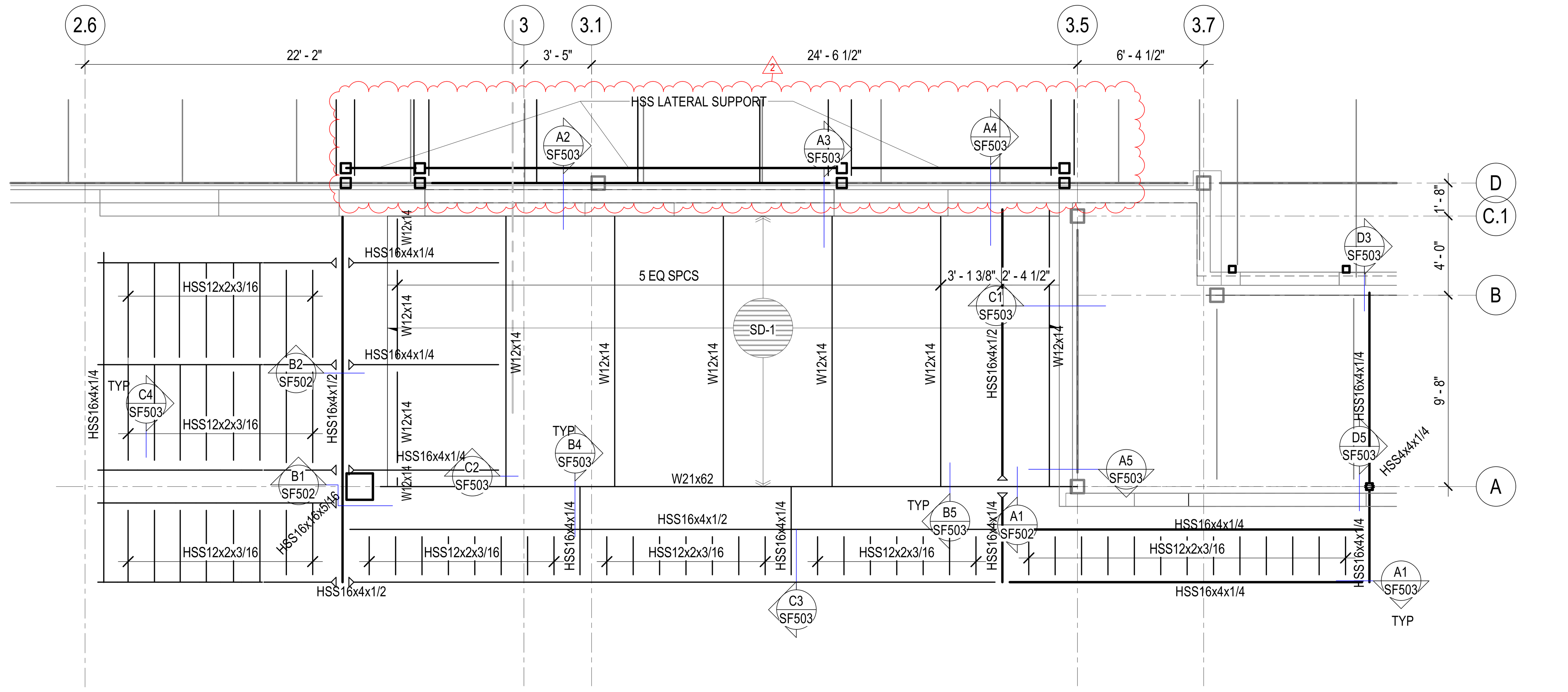
ISSUE
CONSTRUCTION DOCUMENTS 100%
08/29/24

SHEET NAME
STRUCTURAL ELEVATIONS

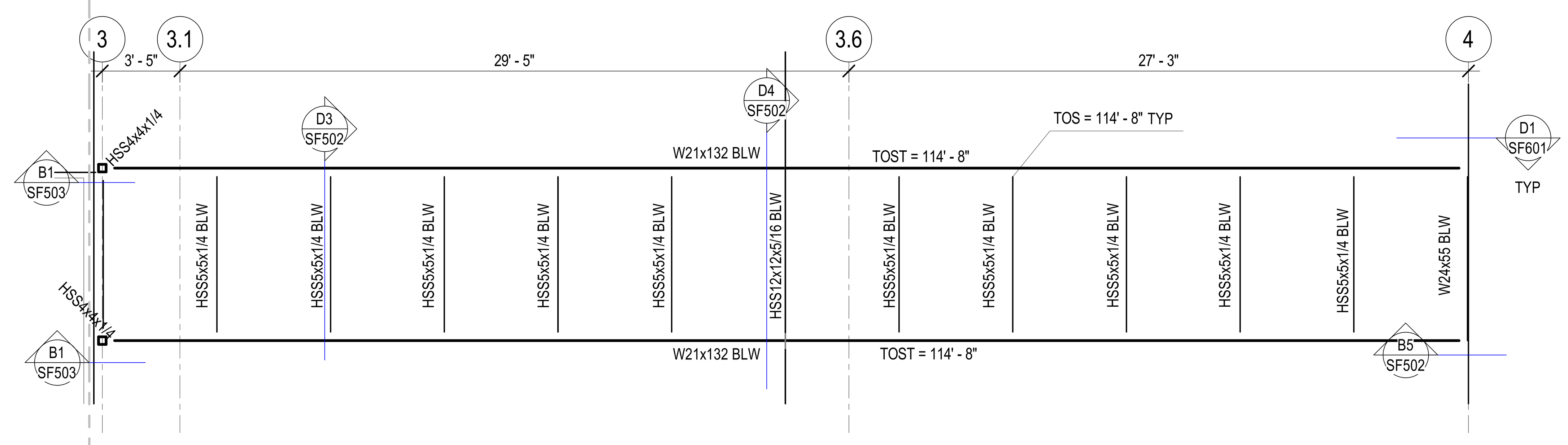
SHEET NUMBER
SF201

CANOPY FRAMING PLAN NOTES

1. SEE ARCHITECTURAL FOR ROOF SLOPES AND DRAINS
2. EXPOSED STEEL FRAMING, COLUMNS AND ASSOCIATED BASE PLATES AND ANCHOR BOLTS SHALL BE GALVANIZED G60
3. SEE STEEL DECK SCHEDULE ON SHEET SF602 FOR DECK PROFILE AND DECK ATTACHMENT.
4. AT ENDS OF EXPOSED HSS BEAMS, PROVIDE A 1/8" CLOSURE PLATE, MATCH THE PROFILE OF THE HSS.



C1 SF401 CANOPY ENLARGED PLAN
SCALE: 1/4" = 1'-0"



B1 SF401 ENLARGED VIEW- OPERABLE PARTITION SUPPORT AT INTERSECTION
SCALE: 1/4" = 1'-0"

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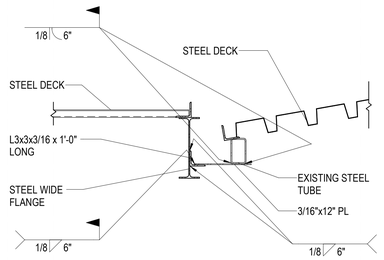
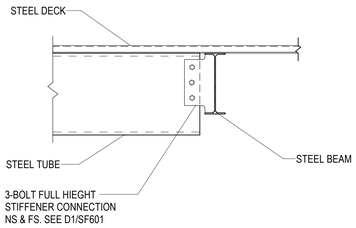
ISSUE
CONSTRUCTION DOCUMENTS 100%
08/29/24

SHEET NAME
ENLARGED STRUCTURAL PLANS

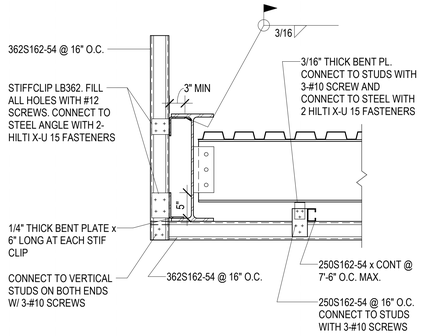
SHEET NUMBER
SF401



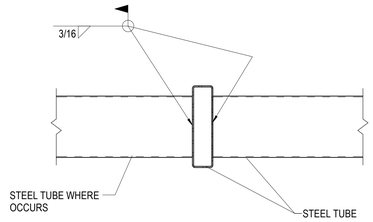
C1 SF503 CANOPY DIAPHRGAM CONNECT TO EXISTING ROOF
NO SCALE



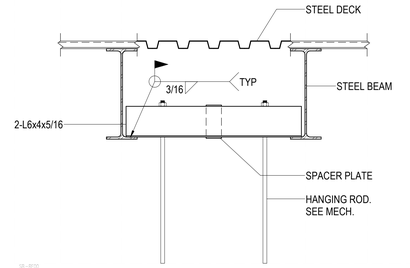
C2 SF503 STEEL TUBE CONNECTION TO WF BEAM
NO SCALE



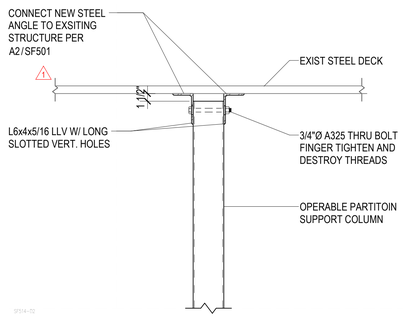
C3 SF503 SOFFIT CONNECTION
NO SCALE



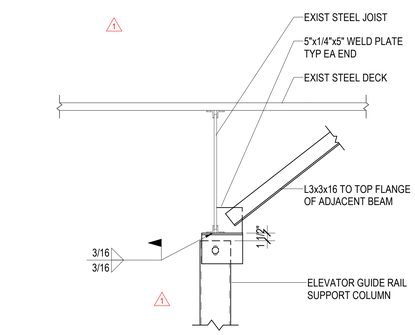
C4 SF503 TYPICAL TRELLIS MEMBER CONNECTION
NO SCALE



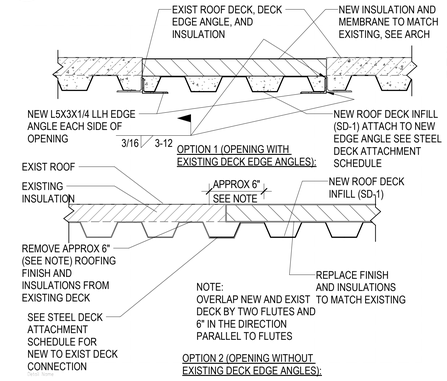
C5 SF503 TYPICAL HANGING MECHANICAL UNIT SUPPORT DETAIL
NO SCALE



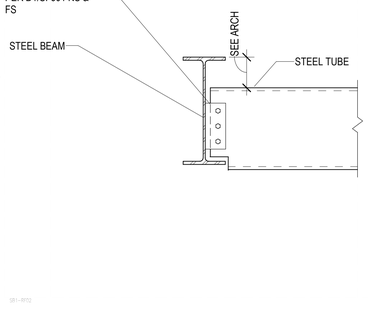
B1 SF503 TYPICAL OPERABLE PARTITION SUPPORT COLUMN BRACING AT TOP
NO SCALE



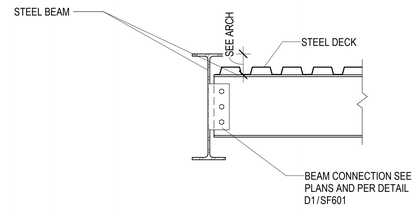
B2 SF503 STEEL TUBE CONNECTION TO WF BEAM
NO SCALE



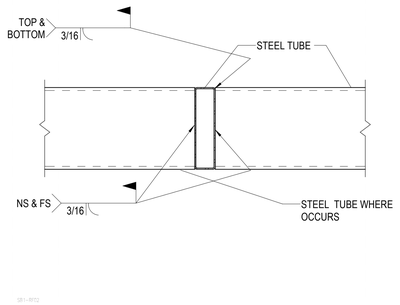
B3 SF503 TYP ROOF DECK INFILL DETAIL
NO SCALE



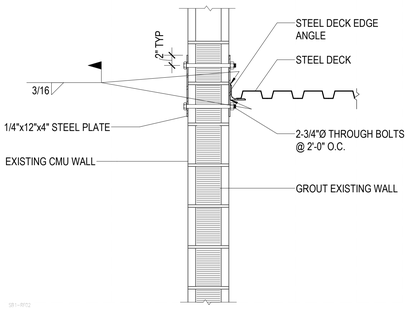
B4 SF503 STEEL TUBE TO STEEL BEAM
NO SCALE



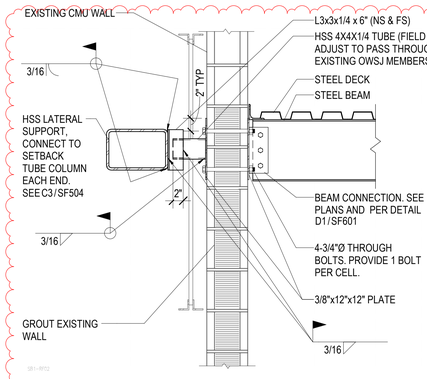
B5 SF503 STEEL BEAM CONNECTION AT CANOPY
NO SCALE



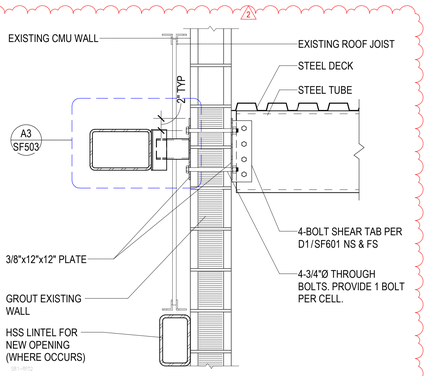
A1 SF503 STEEL TUBE TO STEEL BEAM
NO SCALE



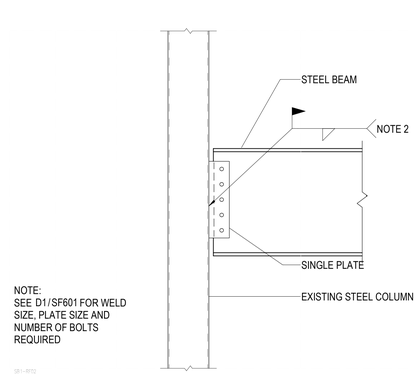
A2 SF503 DECK EDGE TO EXISTING CMU WALL
NO SCALE



A3 SF503 NEW STEEL BEAM TO EXISTING CMU WALL
NO SCALE



A4 SF503 NEW STEEL TUBE TO EXISTING CMU WALL
NO SCALE



A5 SF503 NEW STEEL BEAM TO EXISTING COLUMN
NO SCALE

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JORDAN LEARNING CENTER

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SEAL

MHTN PROJECT NO. 2024528

Original drawing is 30 x 42. Do not scale contents of this drawing.

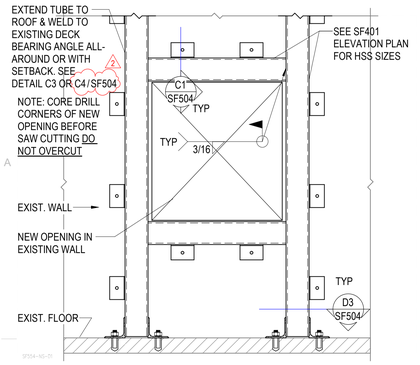
REVISIONS
CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE.

NO.	DATE	DESCRIPTION
1	09/06/24	X1
2	09/13/24	X2

ISSUE
CONSTRUCTION DOCUMENTS 100%
08/29/24

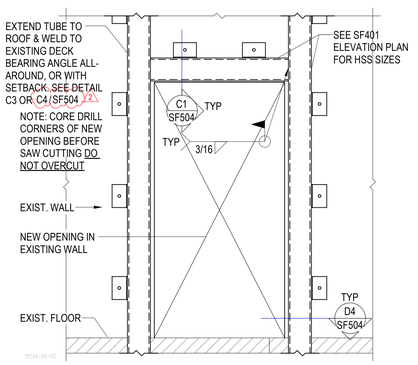
SHEET NAME
ROOF FRAMING DETAILS

SHEET NUMBER
SF503



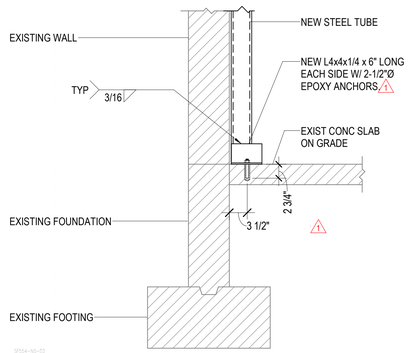
D1 / SF504 — TYPICAL NEW OPENING REINFORCING IN EXISTING WALL USING STEEL TUBES

NO SCALE



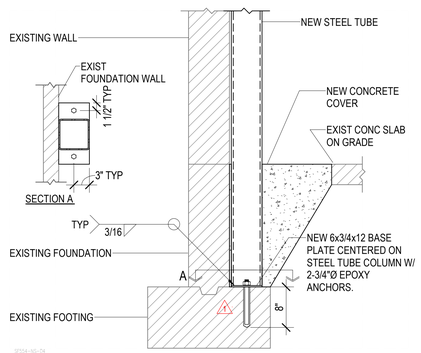
D2 / SF504 — TYPICAL NEW OPENING REINFORCING IN EXISTING WALL USING STEEL TUBES

NO SCALE



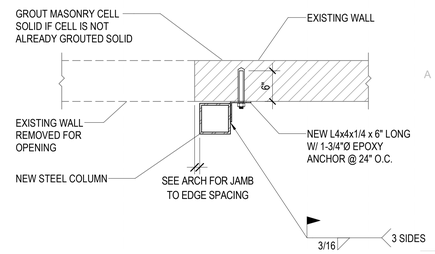
D3 / SF504 — TYPICAL CONNECTION OF NEW STEEL TUBE TO EXISTING CONCRETE SALB ON GRADE

NO SCALE



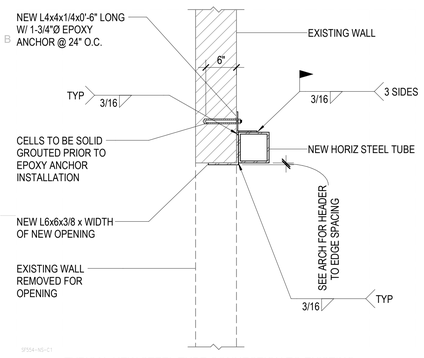
D4 / SF504 — TYPICAL CONNECTION OF NEW STEEL TUBE TO EXISTING CONCRETE SALB ON GRADE

NO SCALE



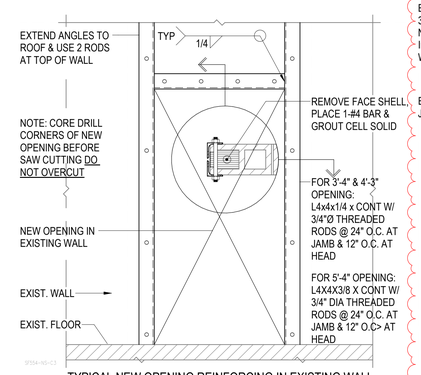
D5 / SF504 — TYPICAL NEW STEEL TUBE CONNECTION TO EXISTING WALL (JAMB, PLAN VIEW)

NO SCALE



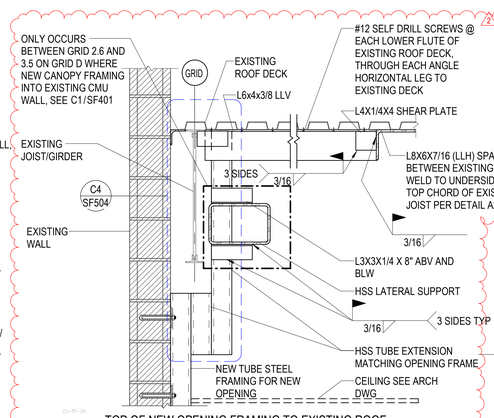
C1 / SF504 — TYPICAL NEW STEEL TUBE CONNECTION TO EXISTING WALL (HEAD)

NO SCALE



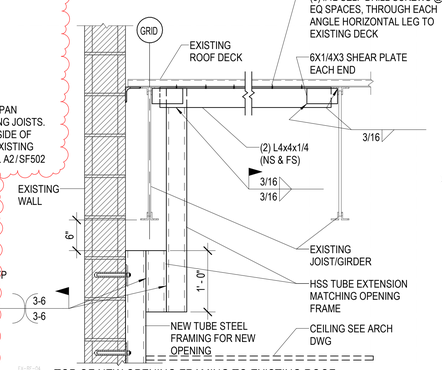
C2 / SF504 — TYPICAL NEW OPENING REINFORCING IN EXISTING WALL USING STEEL ANGLES

NO SCALE



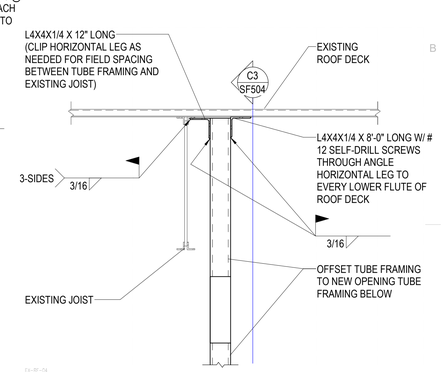
C3 / SF504 — TOP OF NEW OPENING FRAMING TO EXISTING ROOF DECK CONNECTIONS

NO SCALE



C4 / SF504 — TOP OF NEW OPENING FRAMING TO EXISTING ROOF DECK CONNECTIONS

NO SCALE



C5 / SF504 — NEW FRAMING AT NEW STEEL JOIST

NO SCALE

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SEAL

MHTN PROJECT NO. 2024528

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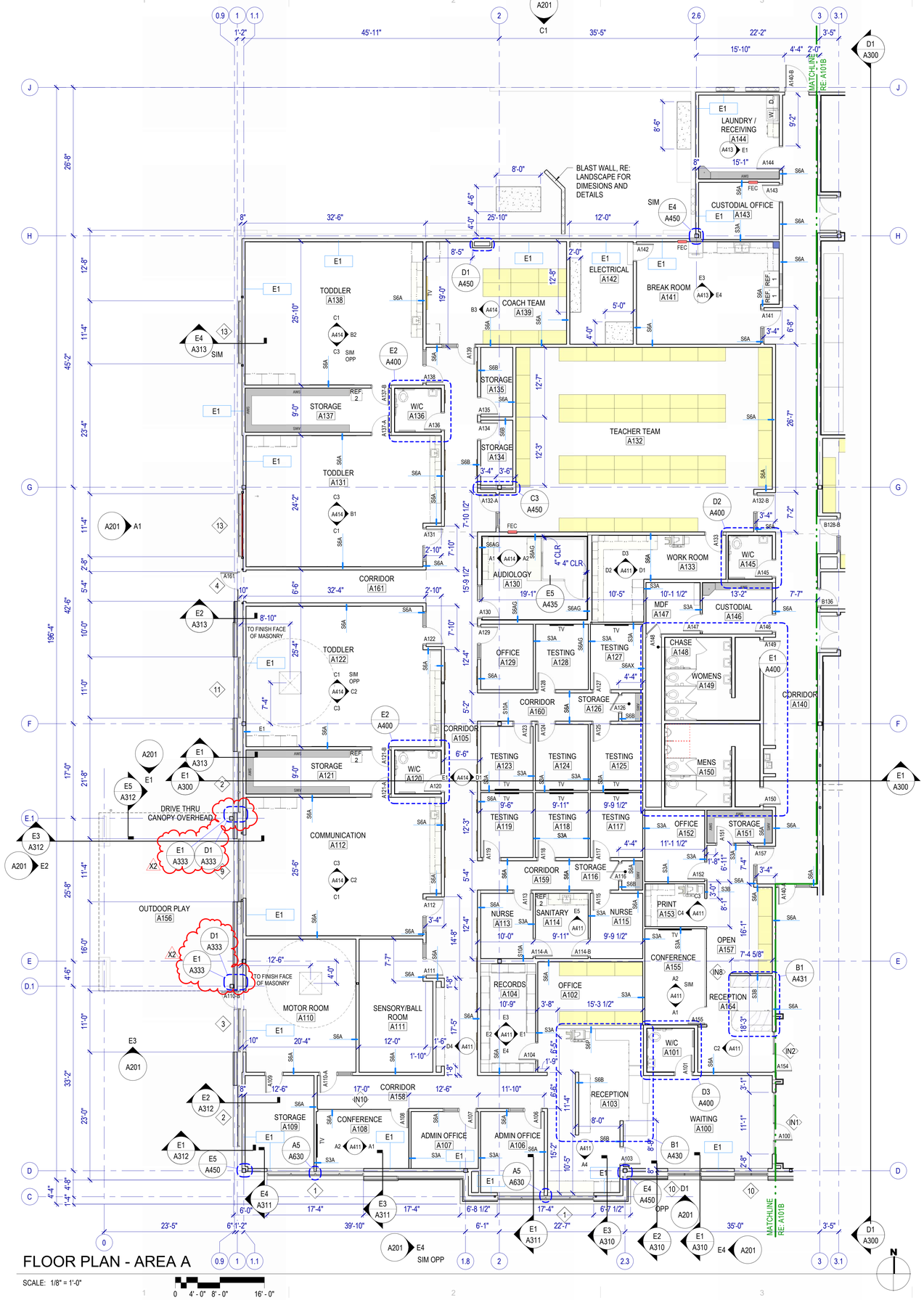
REVISIONS
CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE.

NO △	DATE	DESCRIPTION
1	09/06/24	X1
2	09/13/24	X2

ISSUE
CONSTRUCTION DOCUMENTS 100%
08/29/24

SHEET NAME
NEW WALL OPENINGS

SHEET NUMBER
SF504



FLOOR PLAN - AREA A

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

0 4' - 0" 8' - 0" 16' - 0"

FLOOR PLAN GENERAL NOTES

References to sheets below are provided to aid in navigating the drawings.

RE: G001 for General Project notes.

RE: G200 for Fixture Mounting Heights.

RE: G400 for Floor, Roof and Exterior Wall Types.

RE: G500 for Interior Wall Types.

RE: A111 for slab edges, recesses and other transitions.

RE: A600 for the Door Schedule.

RE: A620 drawings for Window Types.

RE: A640A & A640B for wall finishes.

RE: Structural for slab recesses.

RE: Structural for concrete scoring, except where decorative scoring is shown.

Unless noted otherwise all dimensions are to face of metal stud.

When floor height varies in a room, the ceiling height shown is the height above the floor at the entry.

All outside gypsum board corners to be finished with corner guards. Refer to A641 Finish Legend for product.

Rated Construction: Provide as shown on the plans, the Life Safety Plans and elsewhere in the documents. Seal penetrations with systems applicable to the application and that have UL or other testing agency certifications.

Keynotes: Not all keynotes apply to this sheet.

LEGEND - FLOOR PLAN

FEC 🟥	FIRE EXTINGUISHER + CABINET SEMI-RECESSED
AED 🟩	AUTOMATED EXTERNAL DEFIBRILLATOR
	WALL MOUNTED TOILET RE: PLUMBING
	FLOOR MOUNTED TOILET RE: PLUMBING
	URINAL RE: PLUMBING
	WALL HUNG LAVATORY RE: PLUMBING
	COUNTER MOUNTED SINK RE: PLUMBING
	ELECTRICAL WATER COOLER RE: PLUMBING
	MOP SINK RE: C4/G201 & PLUMBING
AWS	ADJUSTABLE WALL SHELVING - 16" DEEP SHELVES, RE: D5/A435
W	WASHING MACHINE RE: PLUMBING
D	DRYER RE: PLUMBING
REF. 1	REFRIDGERATOR,CFCI
REF. 2	REFRIDGERATOR,OFOI
	ICE MACHINE RE: PLUMBING
	RECORDING SOUND BOOTH, OFOI
	RECORDING SOUND BOOTH, OFOI
🟨	TEACHER WORK DESKS, OFOI
SL	SHIPS LADDER, RE: E1/A340
TV	WALL MOUNTED TV
☒	THERAPY SWING LOCATION, OFOI, SEE RCP FOR MOUNTING DETAIL
LC	COUNTERTOP LASER CUTTER, OFCI
▨	HOUSEKEEPING PAD - 4" CONCRETE - COORDINATE WITH EQUIPMENT DIMENSIONS

NOTE: PROVIDE ITEMS INDICATED IN THE LEGEND IN THE QUANTITIES SHOWN ON THE PLAN.

KEYNOTES

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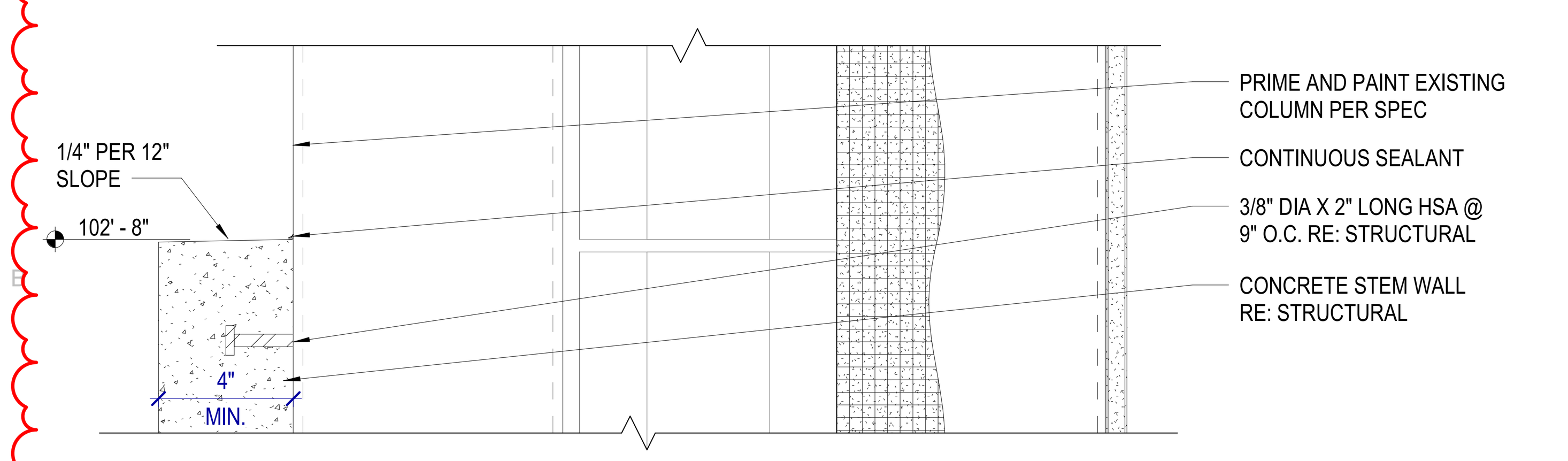
NO.△	DATE	DESCRIPTION
X2	9/13/2024	ADDENDUM #2

ISSUE
CONSTRUCTION DOCUMENTS
AUGUST 29, 2024

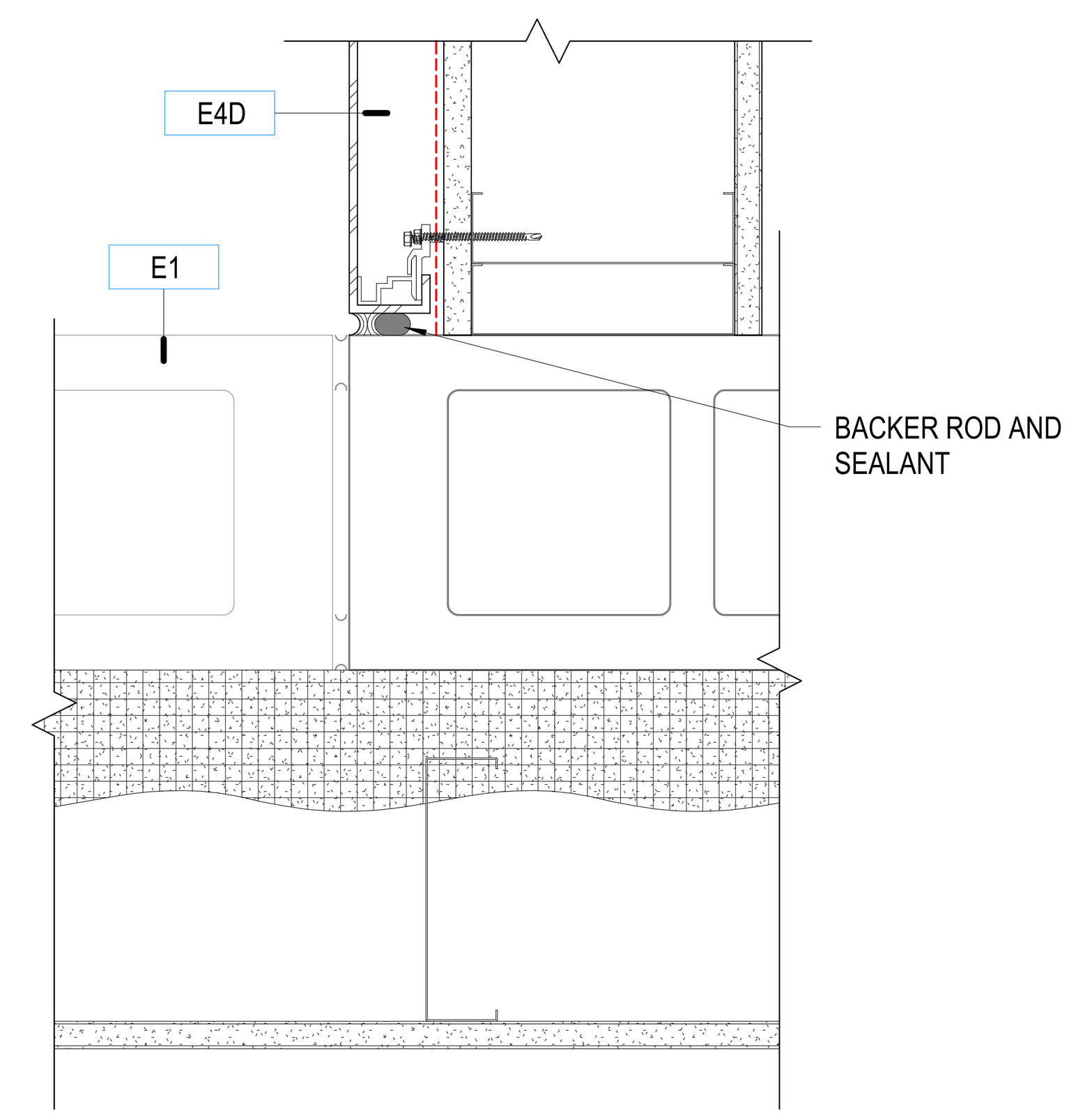
SHEET NAME
FIRST FLOOR PLAN - AREA A

SHEET NUMBER
A101A

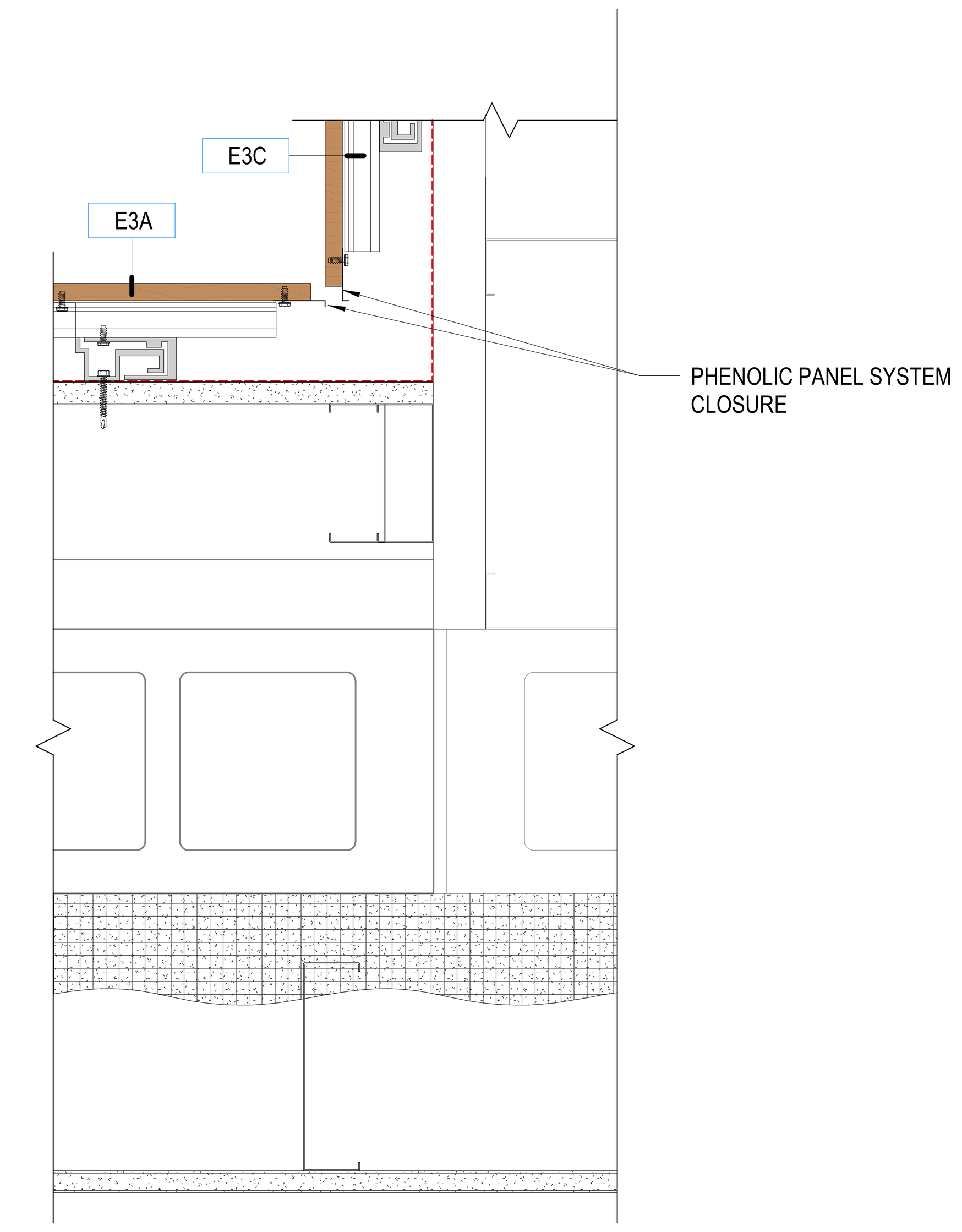
X2



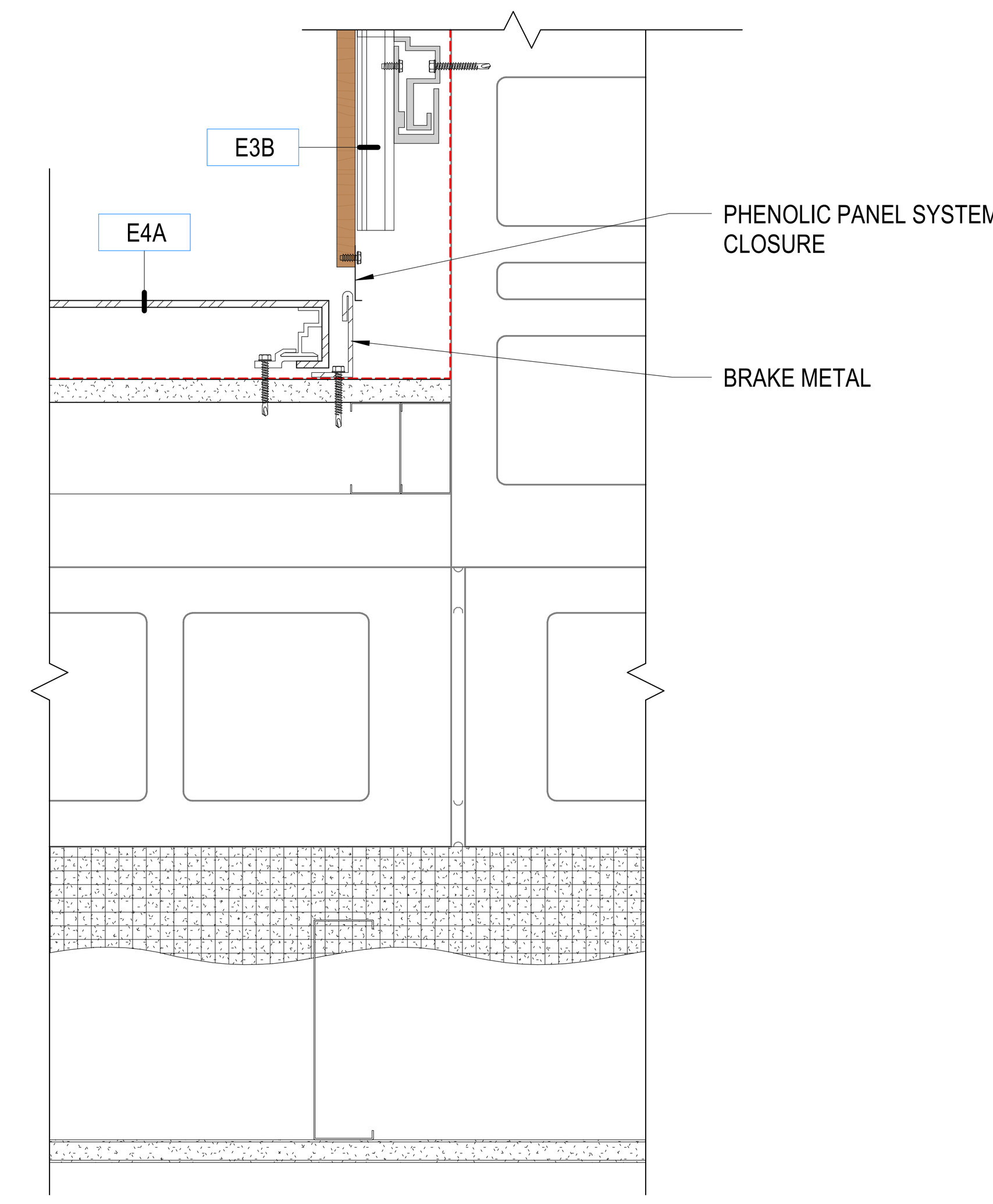
B1 SECTION DETAIL
SCALE: 3" = 1'-0"



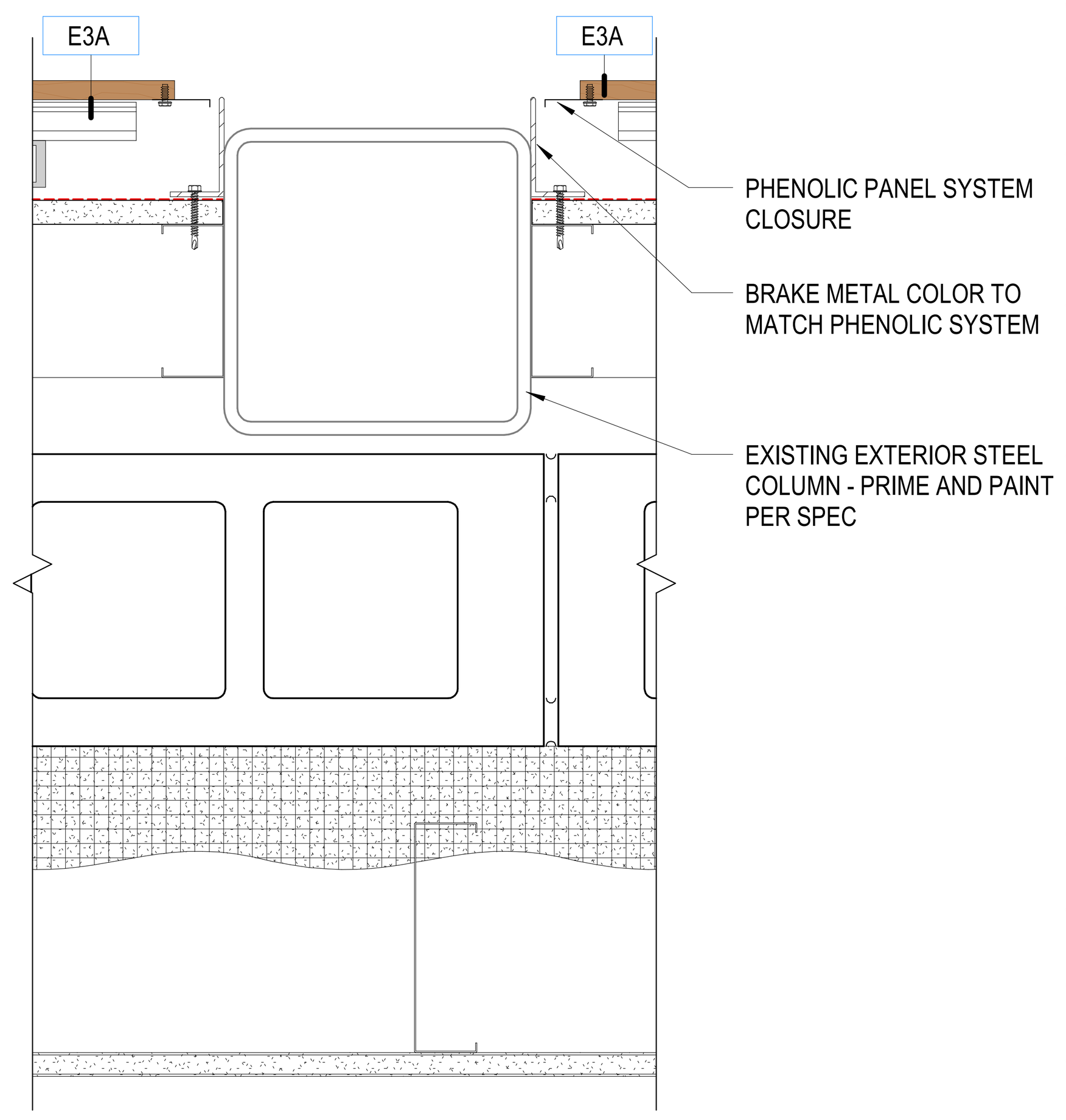
B3 PLAN DETAIL
SCALE: 3" = 1'-0"



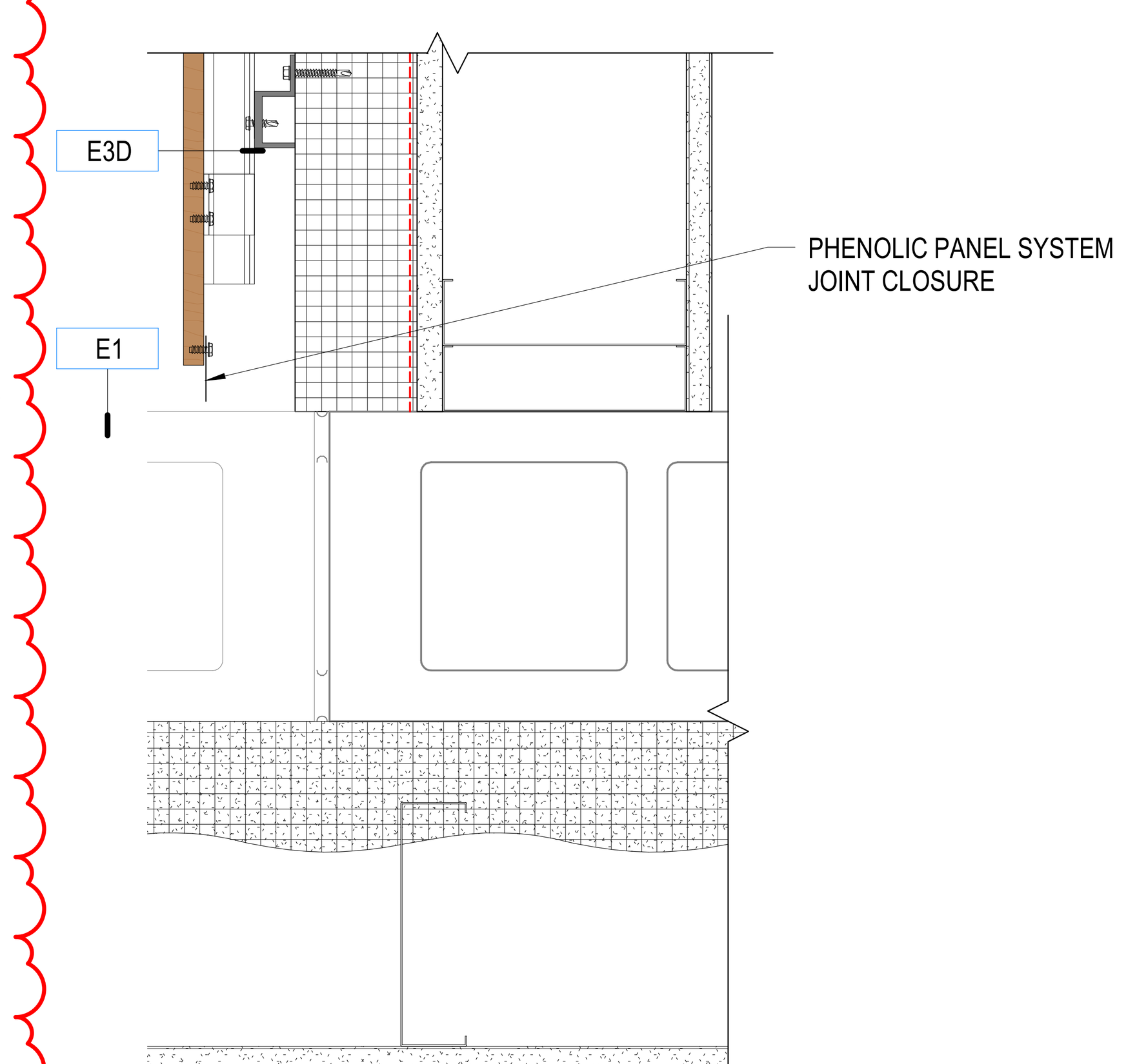
B4 PLAN DETAIL
SCALE: 3" = 1'-0"



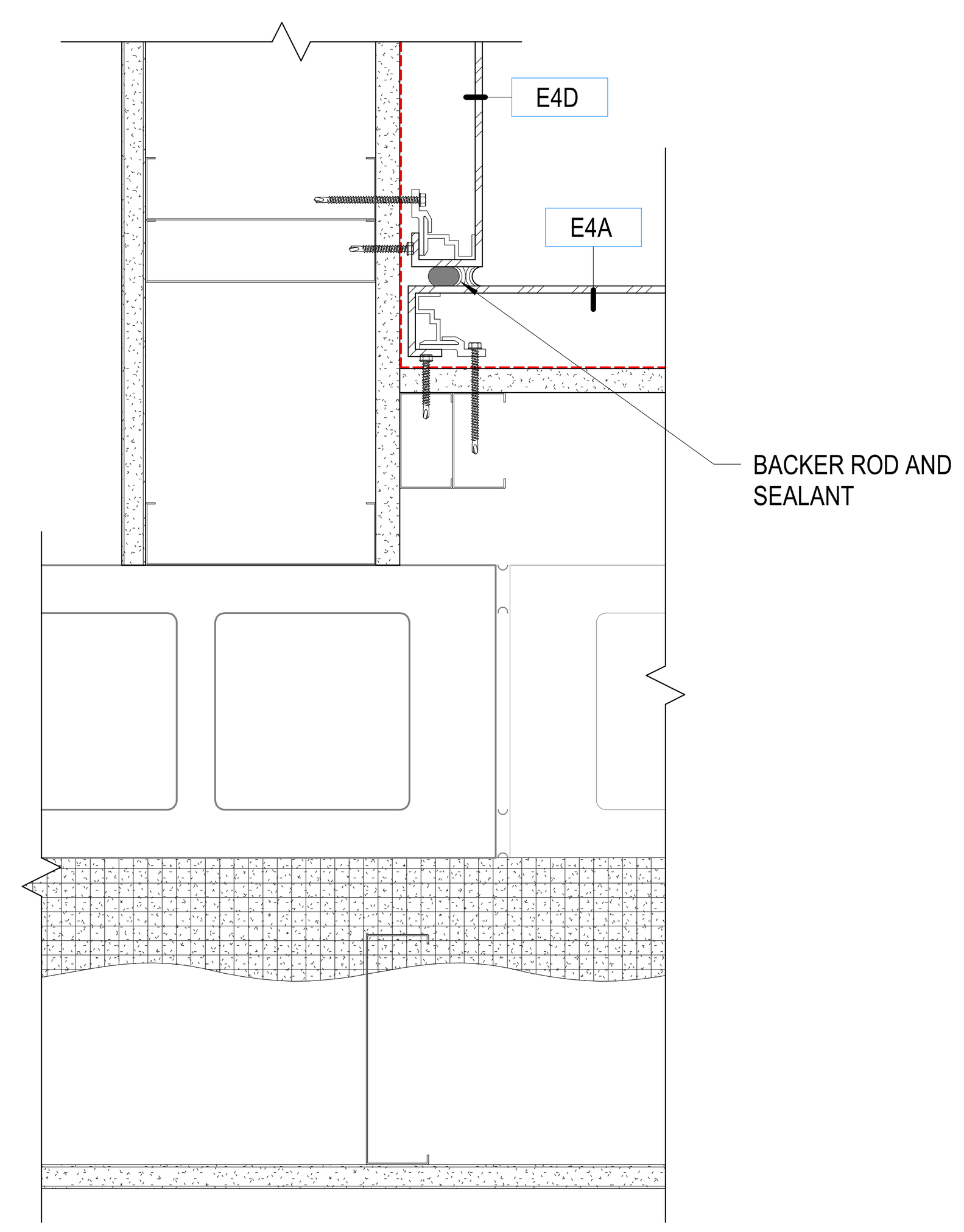
B5 PLAN DETAIL
SCALE: 3" = 1'-0"



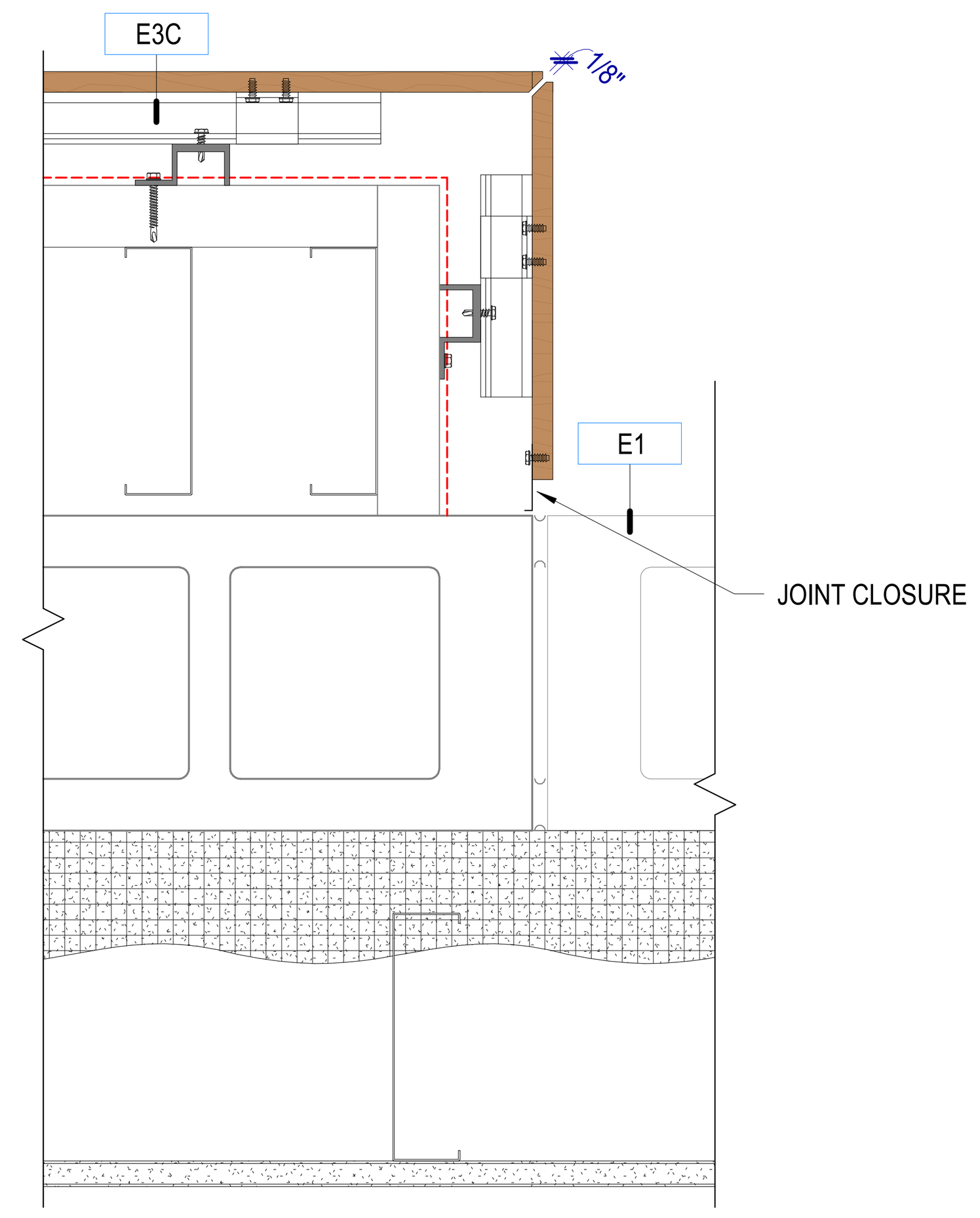
D1 PLAN DETAIL
SCALE: 3" = 1'-0"



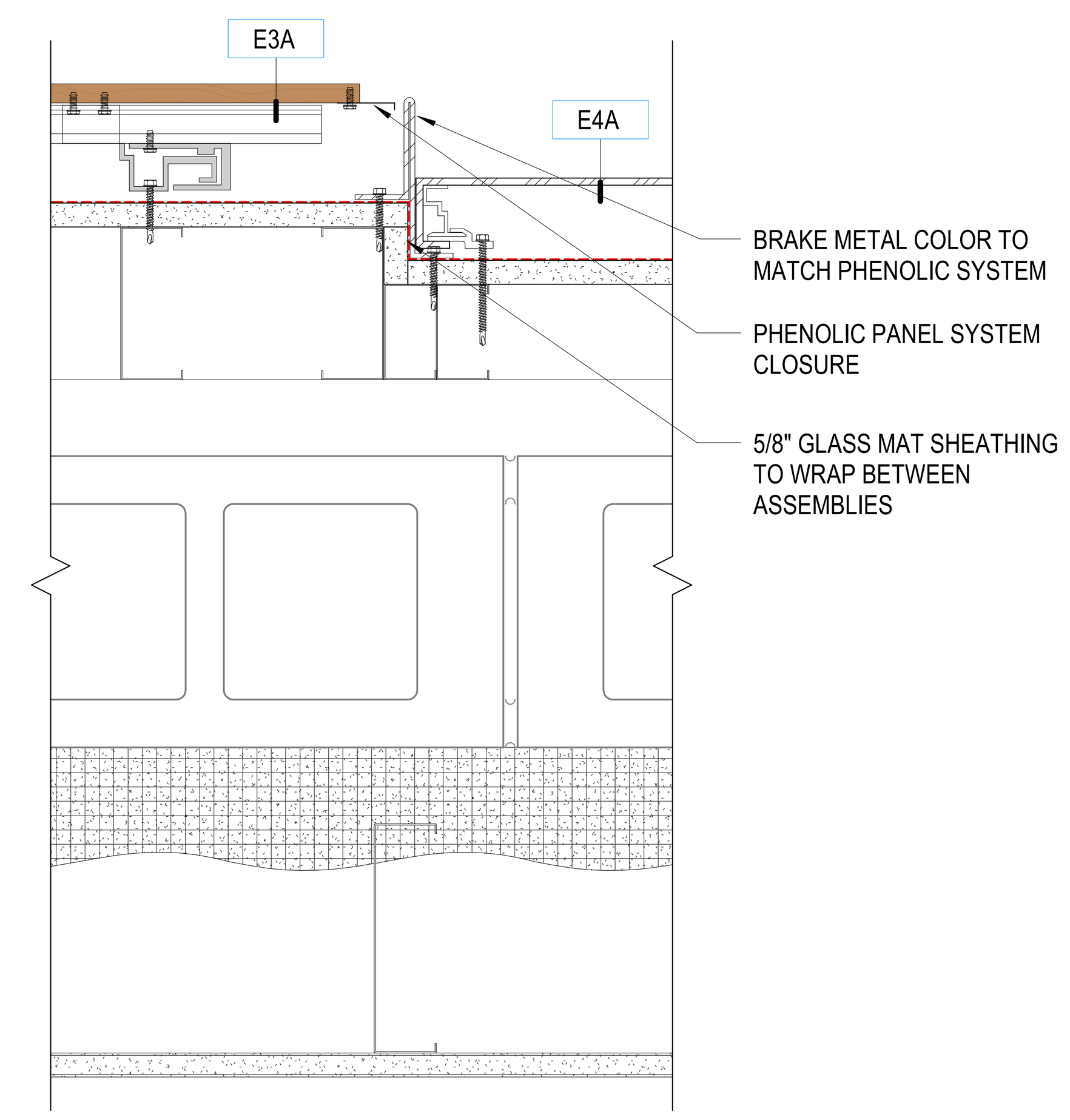
D2 PLAN DETAIL
SCALE: 3" = 1'-0"



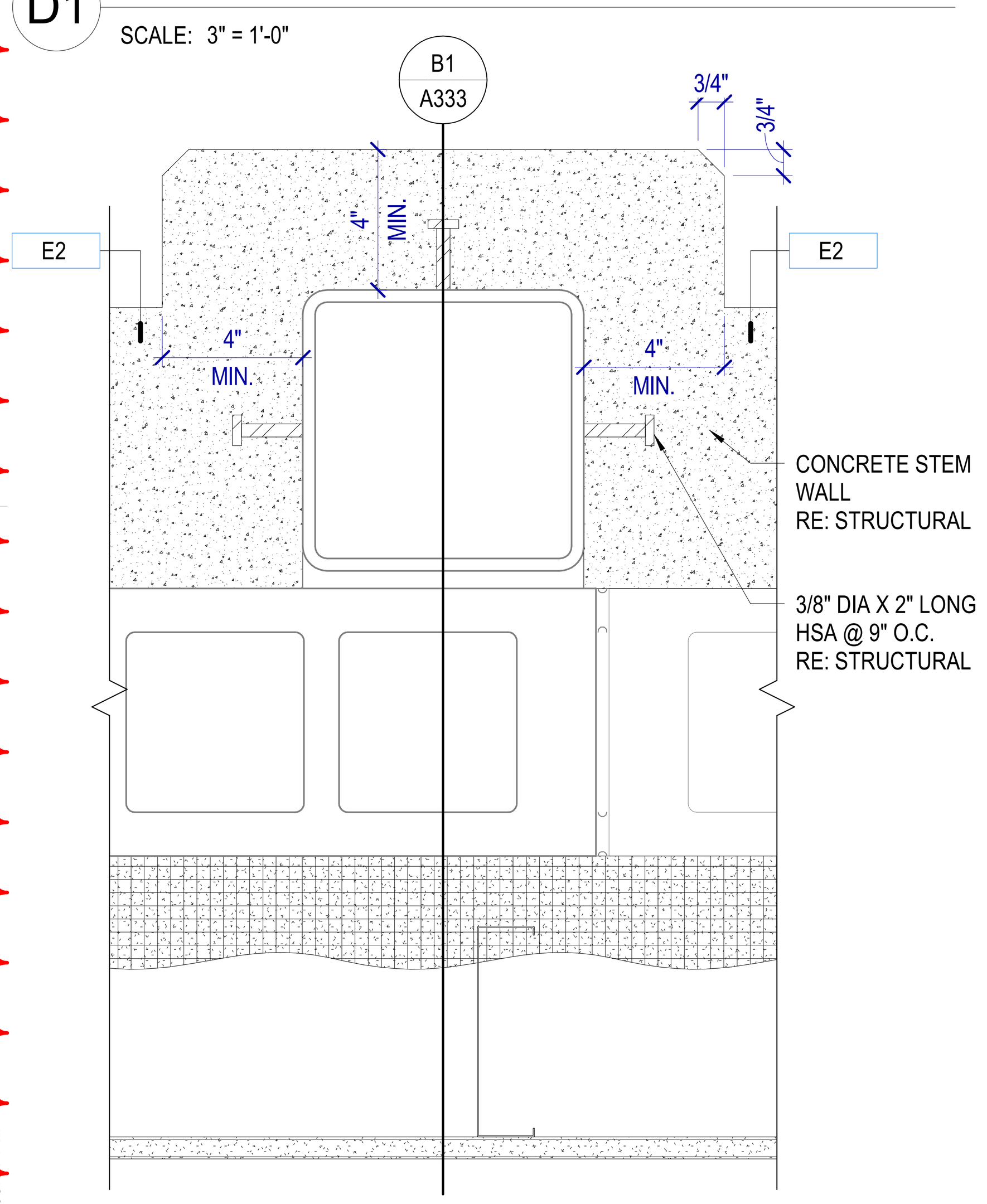
D3 PLAN DETAIL
SCALE: 3" = 1'-0"



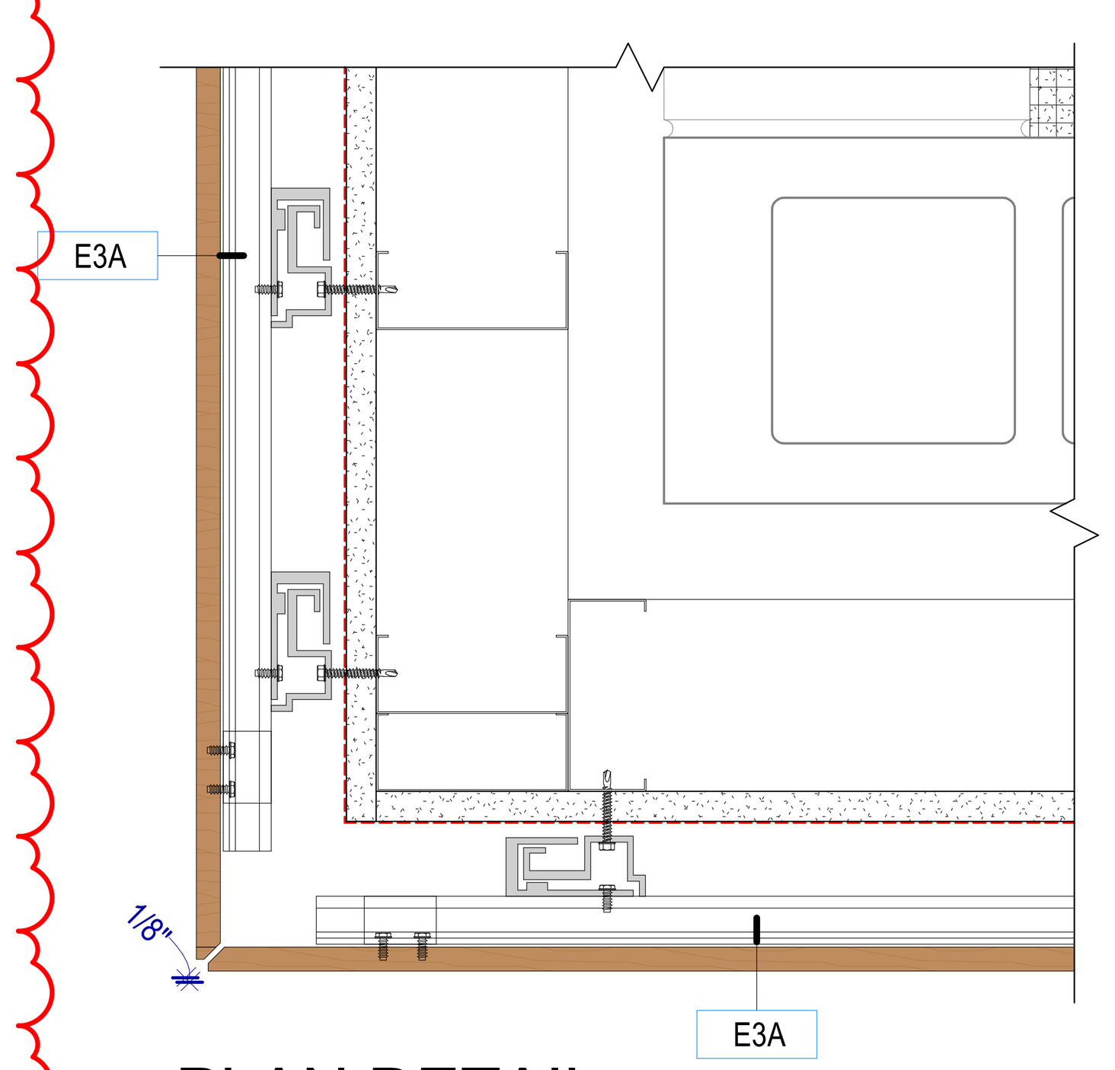
D4 PLAN DETAIL
SCALE: 3" = 1'-0"



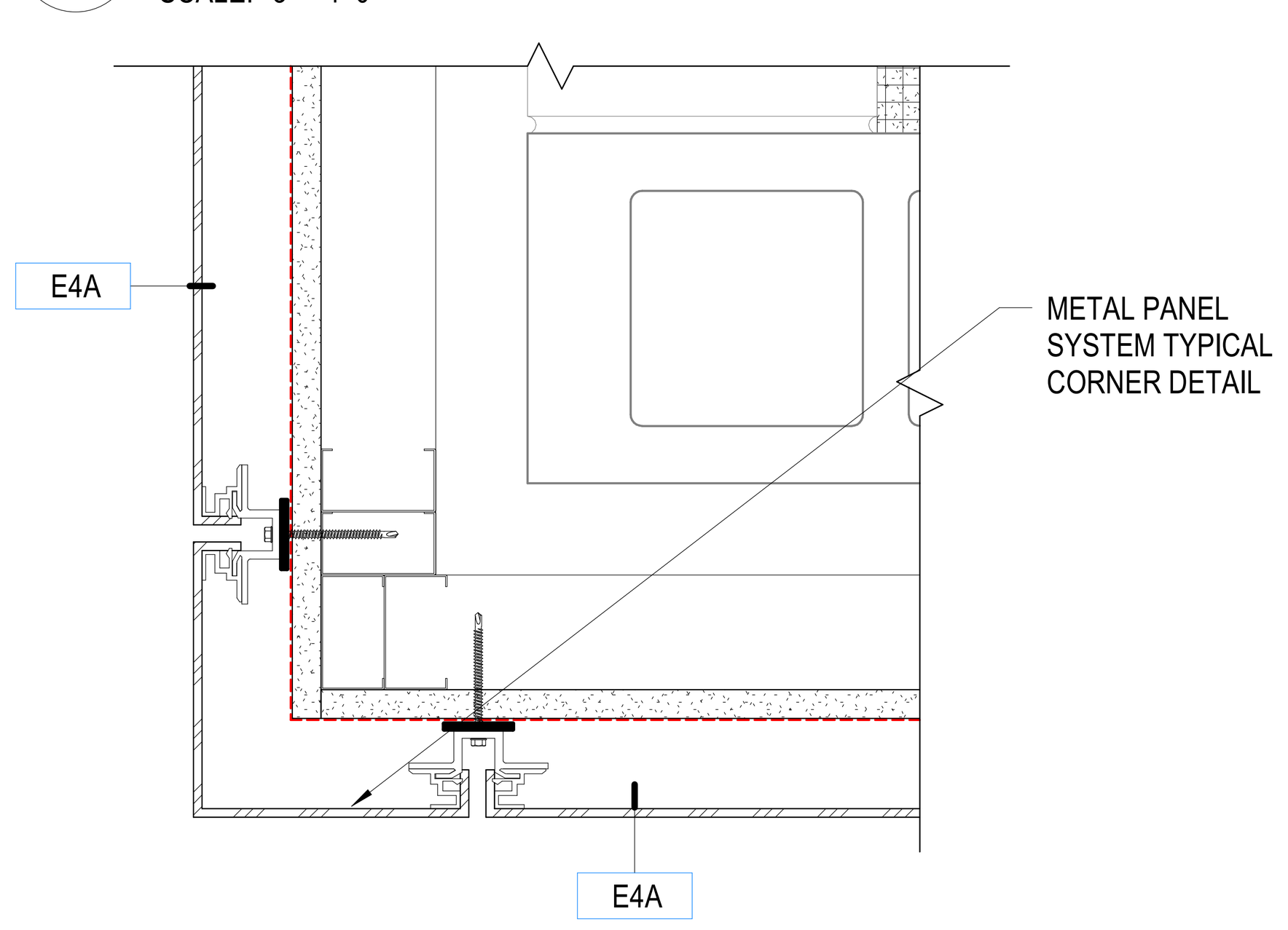
D5 PLAN DETAIL
SCALE: 3" = 1'-0"



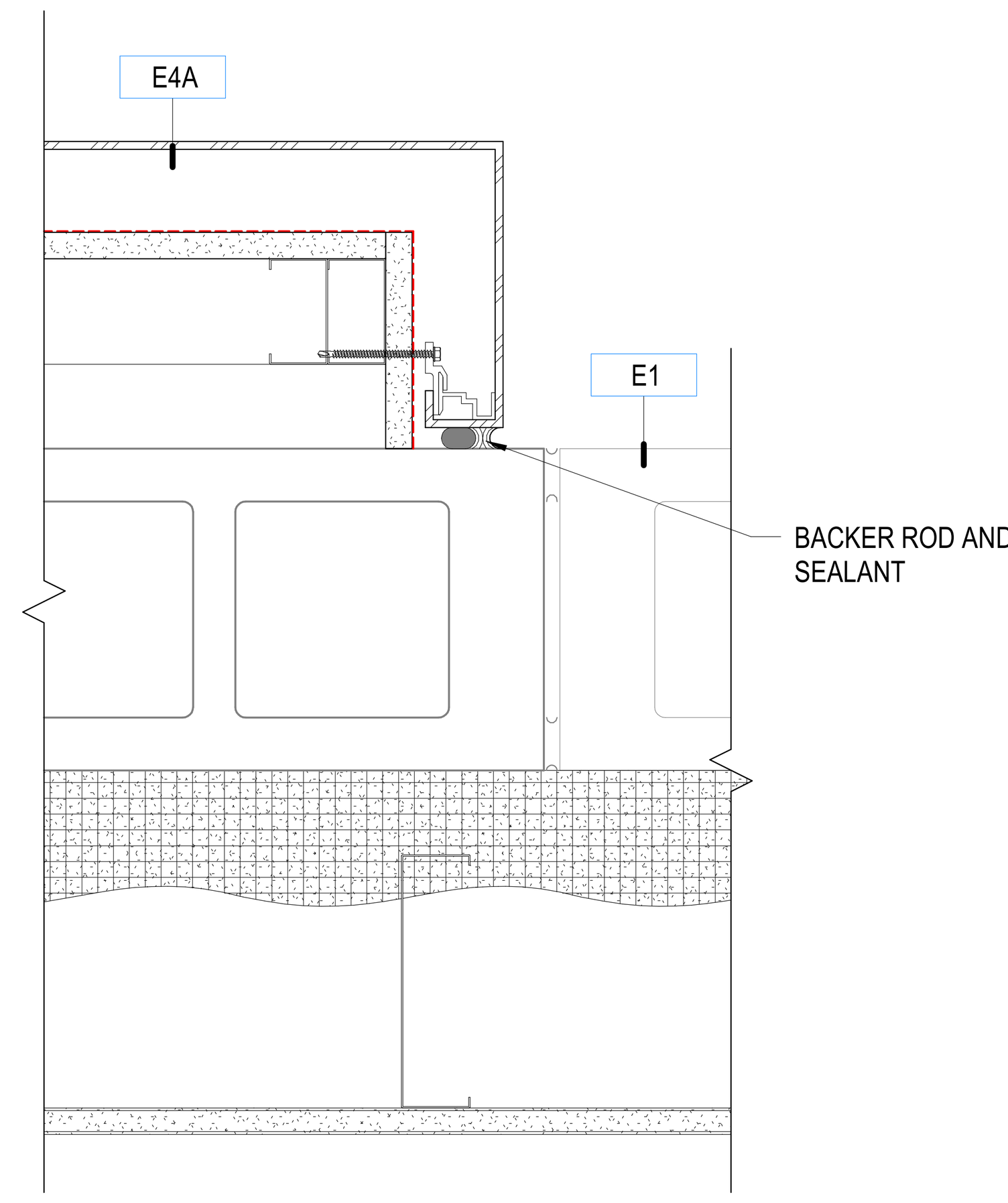
E1 PLAN DETAIL
SCALE: 3" = 1'-0"



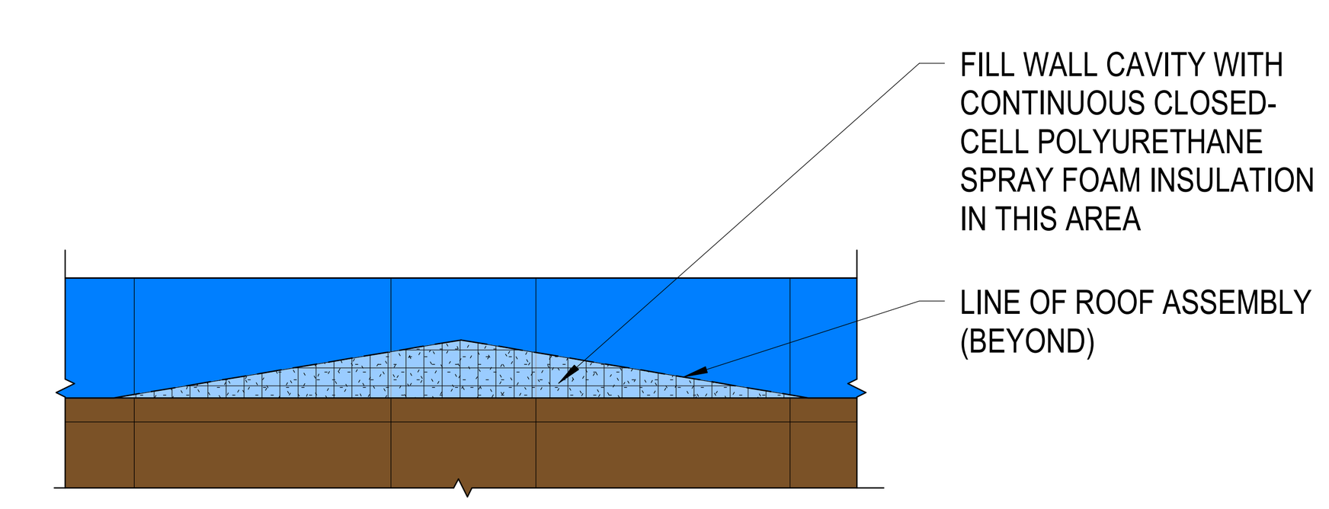
E2 PLAN DETAIL
SCALE: 3" = 1'-0"



E3 PLAN DETAIL
SCALE: 3" = 1'-0"



E4 PLAN DETAIL
SCALE: 3" = 1'-0"



E5 ELEVATION DETAIL
SCALE: 3/16" = 1'-0"

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SEAL

MHTN PROJECT NO. 2024528

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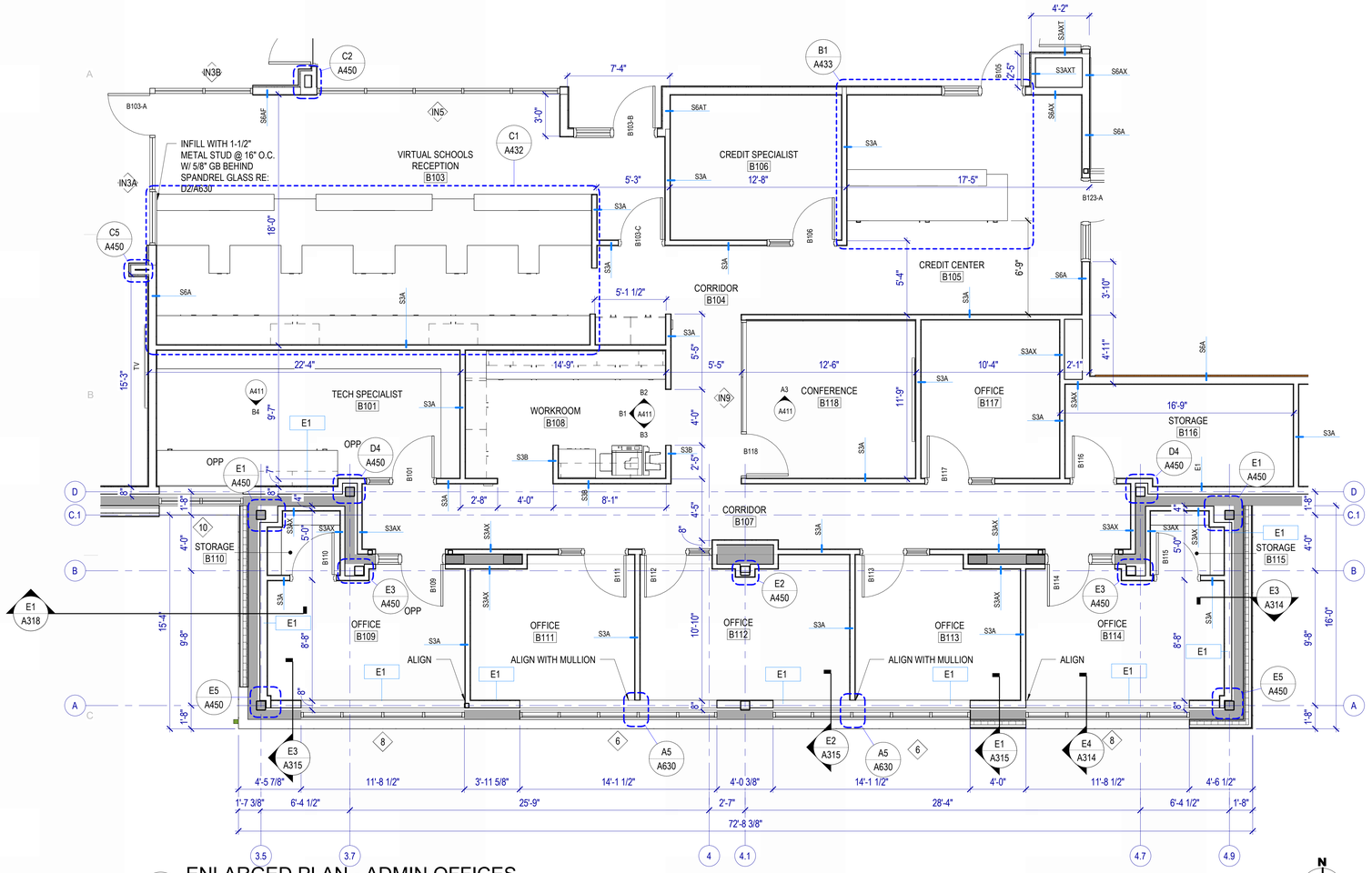
REVISIONS
CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE

NO.	DATE	DESCRIPTION
X2	9/13/2024	ADDENDUM #2

ISSUE
CONSTRUCTION DOCUMENTS
AUGUST 29, 2024

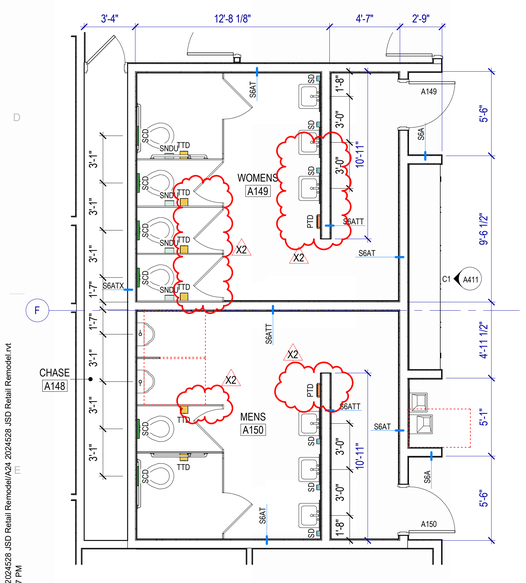
SHEET NAME
ENVELOPE DETAILS

SHEET NUMBER
A333



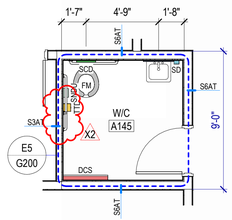
C1 ENLARGED PLAN - ADMIN OFFICES

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



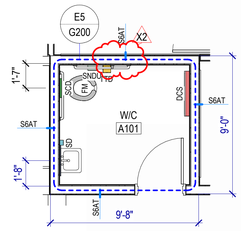
E1 RESTROOMS A149 & A150

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



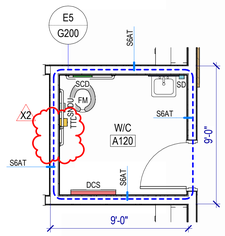
D2 RESTROOM A145

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



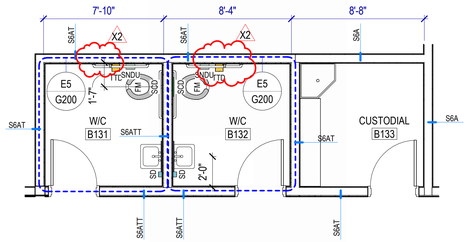
D3 RESTROOM A101

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



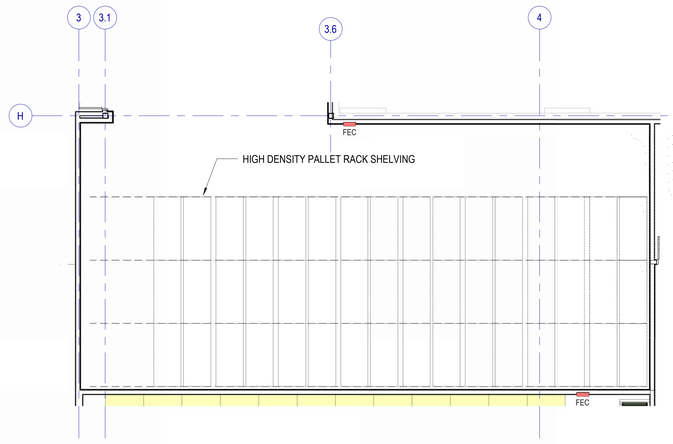
E2 RESTROOM A120

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



E3 CUSTODIAL B133 AND RESTROOMS B131 & B132

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



E4 ALTERNATE #1 - HIGH DENSITY SHELVING

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

PARTIAL PLAN GENERAL NOTES

References to sheets below are provided to aid in navigating the drawings.

RE: G200 for Fixture Mounting Heights.

RE: G400 for Floor, Roof and Exterior Wall Types.

RE: G500 for Interior Wall Types.

RE: A450 for Locker Types.

RE: A640-A642 for finish schedule.

Interior Wall Height: All walls are continuous from floor to roof or floor deck above, UNO.

Keynotes: Not all keynotes apply to this sheet.

LEGEND - TOILET ROOMS

PLAN	ELEVATION	
TTD		TOILET TISSUE DISPENSER, OFCI
M24x36		FRAMED MIRROR
SD		SOAP DISPENSER, OFCI
PTD		PAPER TOWEL DISPENSER, OFCI
SNDU		SANITARY NAPKIN DISPOSAL UNIT, OFCI
SCD		SEAT COVER DISPENSER, OFCI
DCS		DIAPER CHANGING STATION
WC		WALL MOUNTED WATER CLOSET
FM		FLOOR MOUNTED WATER CLOSET
U		WALL HUNG URINAL
LAV		WALL HUNG LAVATORY
SINK		COUNTER MOUNTED SINK
FD		FLOOR DRAIN
MBH		MOP & BROOM HOLDER

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JORDAN SCHOOL DISTRICT

JORDAN LEARNING CENTER

3706 WEST 9800 SOUTH
SOUTH JORDAN, UT 84009

SEAL

MHTN PROJECT NO. 2024528

Original drawing is 30 x 42. Do not scale contents of this drawing.

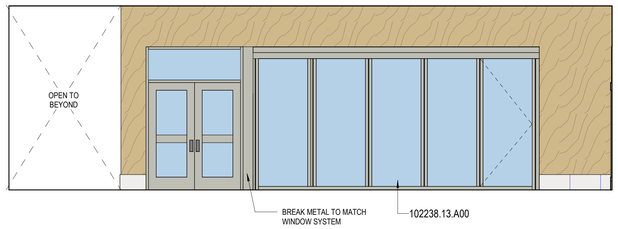
REVISIONS
CONTRACTOR TO VERIFY DRAWINGS IN FIELD. USE REFLECT LAST REVISION DATE.

NO.	DATE	DESCRIPTION
X2	9/13/2024	ADDENDUM #2

ISSUE
CONSTRUCTION DOCUMENTS
AUGUST 29, 2024

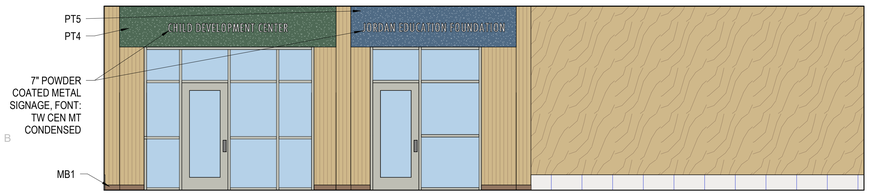
SHEET NAME
PARTIAL PLANS

SHEET NUMBER
A400



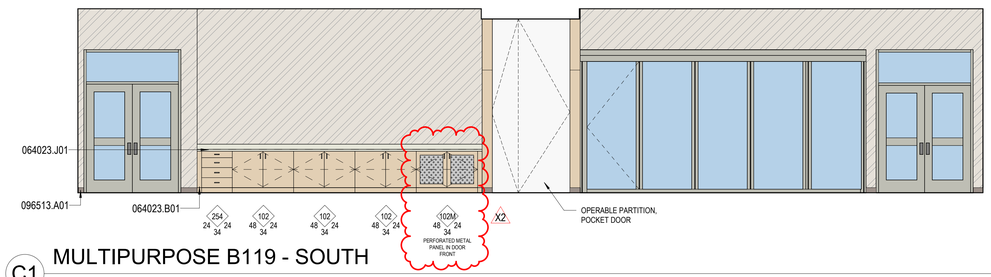
A1 LOBBY B100 - NORTH

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



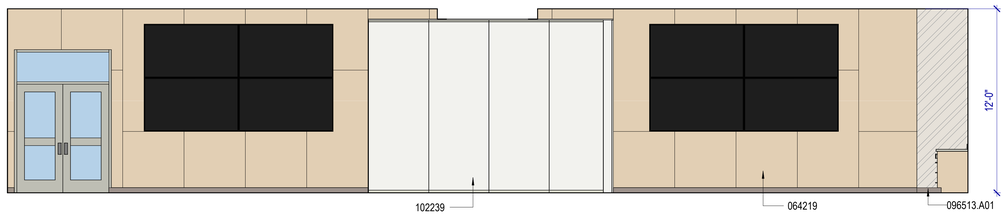
B1 LOBBY B100 - WEST

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



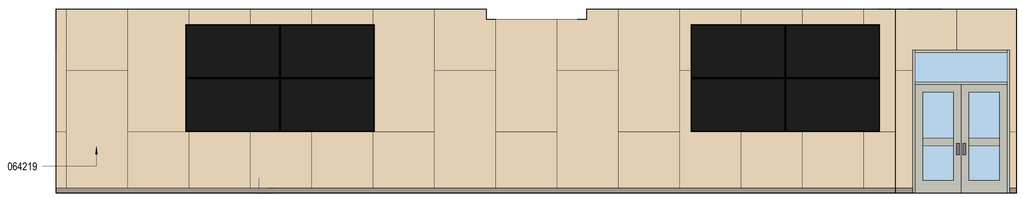
C1 MULTIPURPOSE B119 - SOUTH

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



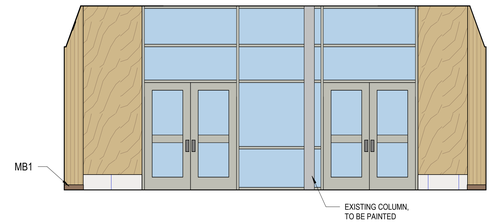
D1 MULTIPURPOSE B119 - EAST

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



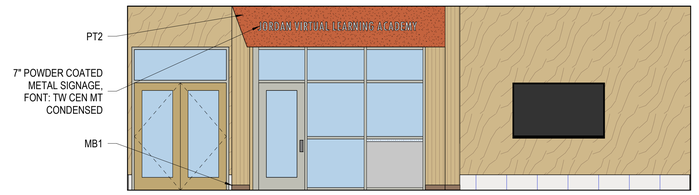
E1 MULTIPURPOSE B119 - WEST

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



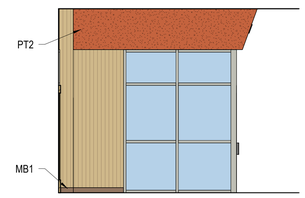
A3 LOBBY B100 - SOUTH

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



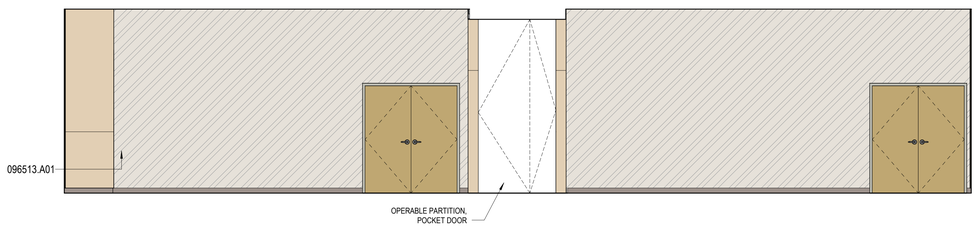
B3 LOBBY B100 - EAST

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



C3 LOBBY B100 -

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



E3 MULTIPURPOSE B119 - NORTH

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

INTERIOR ELEVATIONS GENERAL NOTES

RE: North American Architectural Woodwork Standards v3.0 (NAAWS), Cabinet Design Series for cabinet types.

RE: G500 for Interior Wall Types.

RE: A640A & A640B for the Finish Schedule.

Dimensions shown to walls or casework are to finished face of wall or cabinet, UNO.

Equipment indicated by dashed lines is a general representation and shown for coordination purposes only.

Mechanical, electrical, plumbing and telecom rough-in locations are shown for general coordination purposes only. Refer to mechanical, electrical, plumbing and telecom drawings.

Countertops: 25" deep with 4" high backsplash, UNO. Provide sidesplashes at walls, tall cabinets or similar transitions.

Blocking: Provide blocking in walls at cabinets, wall-mounted accessories, equipment, display boards and similar items.

Finishes: Finishes are required on all exposed and semi-exposed surfaces, UNO. Wall elevations are not shown for walls where the Finish Schedule is deemed adequate to convey the intent.

Cabinet Locks: Provide locks on cabinet drawers and doors, keyed alike by room, UNO.

Casework Finishes: Provide laminate finishes on all exposed and semi-exposed surfaces as required by the specifications. Provide laminate finishes on concealed surfaces if required by the specifications. Refer to NAAWS Section 10.4.4 for definitions of exposed, semi-exposed and concealed surfaces.

LEGEND - INTERIOR ELEVATION

- TACKABLE WALL COVERING, TCK1 SEE DETAIL A3 / A435
- TACKABLE WALL COVERING, TCK2 SEE DETAIL A3 / A435
- MARKERBOARD, SEE DETAIL A3 / A435
- WALL TILE WT2
- GLAZING
- PLASTIC LAMINATE PL1
- PLASTIC LAMINATE PL2
- PLASTIC LAMINATE PL3
- WALLCOVERING WC2
- RIBBED WALL PANEL WP1
- WALLCOVERING WC1
- WALL TILE WT5 X2
- TILE BASE TB1
- DISHWASHER, CFCI
- MICROWAVE, CFCI
- EYEWASH, RE: PLUMBING
- REFRIGERATOR, OFOI
- REFRIGERATOR, CFCI
- CHEMICAL STORAGE CABINETS
- COPIER, OFOI
- SINK, RE: PLUMBING
- DRINKING FOUNTAIN, RE: PLUMBING
- UNDERCOUNTER REFRIDGERATOR, CFCI
- TV MONITOR, RE: ELECTRICAL
- METAL LATERAL FILE STORAGE, OFOI
- DRYER & WASHER, CFCI

KEYNOTES

064023.B01	Filler panel
064023.J01	1-1/2" scheduled solid surface countertop w/ 4" backsplash
064219	SECTION 064219 - PLASTIC-LAMINATE-FACED WOOD PANELING
096513.A01	RESILIENT BASE
102238.13.A00	OPERABLE GLASS-PANEL PARTITIONS
102239	SECTION 102239 - FOLDING PANEL PARTITIONS

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SEAL

MHTN PROJECT NO. 2024528

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NO.	DATE	DESCRIPTION
X2	9/13/2024	ADDENDUM #2

ISSUE
CONSTRUCTION DOCUMENTS
AUGUST 29, 2024

SHEET NAME
INTERIOR ELEVATIONS

SHEET NUMBER
A412

DOOR AND FRAME SCHEDULE

DOOR #	DOOR TYPE	DOOR WIDTH	DOOR HEIGHT	DOOR THICKNESS	DOOR MATERIAL	FRAME TYPE	FRAME MATERIAL	HEAD DETAIL	JAMB DETAIL	SILL DETAIL	FIRE RATING (MIN)	HARDWARE SET	REMARKS	DOOR #
A100	FG	3'-0"	7'-0"	2"	AL	SEE PLAN	AL	C4/A610	D4/A610	-	X1	AL01	CR, DR, 8 MIL SECURITY FILM ON GLAZING	A100
A101	F	3'-0"	7'-0"	1 3/4"	WD	1	HM	C5/A610	D5/A610	E2/A610	-	08		A101
A103	F	3'-0"	7'-0"	1 3/4"	WD	1	HM	C5/A610	D5/A610	-	-	14		A103
A104	F	3'-0"	7'-0"	1 3/4"	WD	1	HM	C5/A610	D5/A610	-	-	15		A104
A106	G	3'-0"	7'-0"	1 3/4"	WD	8	HM	C5/A610	D5/A610	-	-	05		A106
A107	G	3'-0"	7'-0"	1 3/4"	WD	8	HM	C5/A610	D5/A610	-	-	05		A107
A108	FG	3'-0"	7'-0"	2"	AL	SEE PLAN	AL	C4/A610	D4/A610	-	-	AL04		A108
A109	N	3'-0"	7'-0"	1 3/4"	WD	1	HM	C5/A610	D5/A610	-	-	06		A109
A110-A	G	3'-0"	7'-0"	1 3/4"	WD	8	HM	C5/A610	D5/A610	-	-	20	8 MIL SECURITY FILM ON GLAZING	A110-A
A110-B	FG	3'-0"	7'-0"	1 3/4"	AL	SEE PLAN	AL	C1/A330	D1/A330 & E1/A332	C2/A610	-	AL02	CR, DC, 8 MIL SECURITY FILM ON GLAZING	A110-B
A111	G	3'-0"	7'-0"	1 3/4"	WD	8	HM	C5/A610	D5/A610	-	-	20	8 MIL SECURITY FILM ON GLAZING	A111
A112	G	3'-0"	7'-0"	1 3/4"	WD	8	HM	C5/A610	D5/A610	-	-	03	8 MIL SECURITY FILM ON GLAZING	A112
A113	F	3'-0"	7'-0"	1 3/4"	WD	1	HM	C5/A610	D5/A610	-	-	05		A113
A114-A	F	3'-0"	7'-0"	1 3/4"	WD	1	HM	C5/A610	D5/A610	-	-	05		A114-A
A114-B	F	3'-0"	7'-0"	1 3/4"	WD	1	HM	C5/A610	D5/A610	-	-	05		A114-B
A115	F	3'-0"	7'-0"	1 3/4"	WD	1	HM	C5/A610	D5/A610	-	-	05		A115
A116	F	3'-0"	7'-0"	1 3/4"	WD	1	HM	C5/A610	D5/A610	-	-	20		A116
A117	F	3'-0"	7'-0"	1 3/4"	WD	1	HM	C5/A610	D5/A610	-	-	02		A117
A118	F	3'-0"	7'-0"	1 3/4"	WD	1	HM	C5/A610	D5/A610	-	-	02		A118
A119	F	3'-0"	7'-0"	1 3/4"	WD	1	HM	C5/A610	D5/A610	-	-	02		A119
A120	F	3'-0"	7'-0"	1 3/4"	WD	1	HM	C5/A610	D5/A610	E2/A610	-	08		A120
A121-A	N	3'-0"	7'-0"	1 3/4"	WD	1	HM	C5/A610	D5/A610	-	-	06		A121-A
A121-B	N	3'-0"	7'-0"	1 3/4"	WD	1	HM	C5/A610	D5/A610	-	-	06		A121-B
A122	G	3'-0"	7'-0"	1 3/4"	WD	8	HM	C5/A610	D5/A610	-	-	03	8 MIL SECURITY FILM ON GLAZING	A122
A123	F	3'-0"	7'-0"	1 3/4"	WD	1	HM	C5/A610	D5/A610	-	-	02		A123
A124	F	3'-0"	7'-0"	1 3/4"	WD	1	HM	C5/A610	D5/A610	-	-	02		A124
A125	F	3'-0"	7'-0"	1 3/4"	WD	1	HM	C5/A610	D5/A610	-	-	02		A125
A126	F	3'-0"	7'-0"	1 3/4"	WD	1	HM	C5/A610	D5/A610	-	-	20		A126
A127	F	3'-0"	7'-0"	1 3/4"	WD	1	HM	C5/A610	D5/A610	-	-	02		A127
A128	F	3'-0"	7'-0"	1 3/4"	WD	1	HM	C5/A610	D5/A610	-	-	02		A128
A129	G	3'-0"	7'-0"	1 3/4"	WD	8	HM	C5/A610	D5/A610	-	-	05	8 MIL SECURITY FILM ON GLAZING	A129
A130	G	3'-0"	7'-0"	1 3/4"	WD	8	HM	C5/A610	D5/A610	-	-	01	8 MIL SECURITY FILM ON GLAZING	A130
A131	G	3'-0"	7'-0"	1 3/4"	WD	8	HM	C5/A610	D5/A610	-	-	03	8 MIL SECURITY FILM ON GLAZING	A131
A132-A	G	3'-0"	7'-0"	1 3/4"	WD	8	HM	C5/A610	D5/A610	-	-	10	CR, 8 MIL SECURITY FILM ON GLAZING	A132-A
A132-B	G	3'-0"	7'-0"	1 3/4"	WD	8	HM	C5/A610	D5/A610	-	-	10	CR, 8 MIL SECURITY FILM ON GLAZING	A132-B
A133	G	3'-0"	7'-0"	1 3/4"	WD	1	HM	C5/A610	D5/A610	-	-	01		A133
A134	F	3'-0"	7'-0"	1 3/4"	WD	1	HM	C5/A610	D5/A610	-	-	06		A134
A135	F	3'-0"	7'-0"	1 3/4"	WD	1	HM	C5/A610	D5/A610	-	-	06		A135
A136	F	3'-0"	7'-0"	1 3/4"	WD	1	HM	C5/A610	D5/A610	E2/A610	-	08		A136
A137-A	N	3'-0"	7'-0"	1 3/4"	WD	1	HM	C5/A610	D5/A610	-	-	06		A137-A
A137-B	N	3'-0"	7'-0"	1 3/4"	WD	1	HM	C5/A610	D5/A610	-	-	06		A137-B
A138	G	3'-0"	7'-0"	1 3/4"	WD	8	HM	C5/A610	D5/A610	-	-	03	8 MIL SECURITY FILM ON GLAZING	A138
A139	G	3'-0"	7'-0"	1 3/4"	WD	8	HM	C5/A610	D5/A610	-	-	11	CR, 8 MIL SECURITY FILM ON GLAZING	A139
A140-A	FG	3'-0"	7'-0"	1 3/4"	WD	8	HM	C5/A610	D5/A610		-	10	CR, DR, 21 MIL SECURITY FILM ON GLAZING	A140-A
A140-B	F	4'-0"	7'-0"	1 3/4"	HM	2	HM	C3/A610	D3/A610	C2/A610	-	13	INSULATED, PROVIDE CR, DC	A140-B
A141	G	3'-0"	7'-0"	1 3/4"	WD	8	HM	C5/A610	D5/A610	-	-	16		A141
A142	F	3'-0"	7'-0"	1 3/4"	WD	1	HM	C5/A610	D5/A610		-	18	ED	A142
A143	F	3'-0"	7'-0"	1 3/4"	WD	1	HM	C5/A610	D5/A610	-	-	05		A143
A144	F	4'-0"	7'-0"	1 3/4"	WD	1	HM	C5/A610	D5/A610	-	-	17		A144
A145	F	3'-0"	7'-0"	1 3/4"	WD	1	HM	C5/A610	D5/A610	E2/A610	-	08		A145
A146	F	3'-0"	7'-0"	1 3/4"	WD	1	HM	C5/A610	D5/A610		-	12	CR	A146
A147	F	3'-0"	7'-0"	1 3/4"	WD	1	HM	C5/A610	D5/A610	-	-	12	CR	A147
A148	F	2'-6"	7'-0"	1 3/4"	WD	1	HM	C5/A610	D5/A610	-	-	20		A148
A149	F	3'-0"	7'-0"	1 3/4"	WD	1	HM	C5/A610	D5/A610	E2/A610	-	09		A149
A150	F	3'-0"	7'-0"	1 3/4"	WD	1	HM	C5/A610	D5/A610	E2/A610	-	09		A150
A151	F	3'-0"	7'-0"	1 3/4"	WD	1	HM	C5/A610	D5/A610	-	-	06		A151
A152	F	3'-0"	7'-0"	1 3/4"	WD	1	HM	C5/A610	D5/A610	-	-	05		A152
A154	FG	3'-0"	7'-0"	2 1/4"	AL	SEE PLAN	AL	C4/A610	D4/A610	-	-	AL02	CR, DR, 8 MIL SECURITY FILM ON GLAZING	A154
A155	FG	3'-0"	7'-0"	2"	AL	SEE PLAN	AL	C4/A610	D4/A610	-	-	AL04		A155
A157	G	3'-0"	7'-0"	1 3/4"	WD	8	HM	C5/A610	D5/A610	-	-	04		A157
A161	FG	3'-0"	7'-0"	1 3/4"	AL	SEE PLAN	AL	C1/A330	D1/A330 & E2/A331	C2/A610	X1	AL01	CR, DC, 8 MIL SECURITY FILM ON GLAZING	A161
B100-A	FG	6'-0"	7'-0"	2"	AL	SEE PLAN	AL	C1/A330	D1/A330 & D1/A332	E1/A330		AL07	CR, DC, ADA	B100-A
B100-B	FG	6'-0"	7'-0"	2"	AL	SEE PLAN	AL	C1/A330	D1/A330 & D1/A332	E1/A330		AL05	EL, DC	B100-B
B101	G	3'-0"	7'-0"	1 3/4"	WD	6	HM	C5/A610	D5/A610			05		B101

DOOR AND FRAME SCHEDULE

DOOR #	DOOR TYPE	DOOR WIDTH	DOOR HEIGHT	DOOR THICKNESS	DOOR MATERIAL	FRAME TYPE	FRAME MATERIAL	HEAD DETAIL	JAMB DETAIL	SILL DETAIL	FIRE RATING (MIN)	HARDWARE SET	REMARKS	DOOR #
B103-A	FG	3'-0"	7'-0"	2 1/4"	AL	SEE PLAN	AL	C4/A610	D4/A610	-		AL03	CR, DR, 21 MIL MIN SECURITY FILM ON GLAZING	B103-A
B103-B	FG	3'-0"	7'-0"	1 3/4"	WD	8	HM	C5/A610	D5/A610	-		04		B103-B
B103-C	F	3'-0"	7'-0"	1 3/4"	WD	1	HM	C5/A610	D5/A610	-		04		B103-C
B105	FG	3'-0"	7'-0"	1 3/4"	WD	8	HM	C5/A610	D5/A610	-		04		B105
B106	G	3'-0"	7'-0"	1 3/4"	WD	6	HM	C5/A610	D5/A610	-		05		B106
B109	G	3'-0"	7'-0"	1 3/4"	WD	6	HM	C5/A610	D5/A610	-		05		B109
B110	F	3'-0"	7'-0"	1 3/4"	WD	1	HM	C5/A610	D5/A610	-		22		B110
B111	G	3'-0"	7'-0"	1 3/4"	WD	6	HM	C5/A610	D5/A610	-		05		B111
B112	G	3'-0"	7'-0"	1 3/4"	WD	6	HM	C5/A610	D5/A610	-		05		B112
B113	G	3'-0"	7'-0"	1 3/4"	WD	6	HM	C5/A610	D5/A610	-		05		B113
B114	G	3'-0"	7'-0"	1 3/4"	WD	6	HM	C5/A610	D5/A610	-		05		B114
B115	F	3'-0"	7'-0"	1 3/4"	WD	1	HM	C5/A610	D5/A610	-		22		B115
B116	N	3'-0"	7'-0"	1 3/4"	WD	1	HM	C5/A610	D5/A610	-		06		B116
B117	G	3'-0"	7'-0"	1 3/4"	WD	6	HM	C5/A610	D5/A610	-		05		B117
B118	FG	3'-0"	7'-0"	2"	AL	SEE PLAN	AL	C4/A610	D4/A610	-		AL04		B118
B119-A	FG	6'-0"	7'-0"	1 3/4"	AL	SEE PLAN	AL	C4/A610	D4/A610	-		AL06	CR, DR, 21 MIL SECURITY FILM ON GLAZING	B119-A
B119-B	FG	6'-0"	7'-1"	1 3/4"	AL	SEE PLAN	AL	C4/A610	D4/A610	-			CR	B119-B
B119-C	FG	6'-0"	7'-1"	1 3/4"	AL	SEE PLAN	AL	C4/A610	D4/A610	-			CR	B119-C
B119-D	OGP							B5/A611 SIM		B4/A611 SIM			OPERABLE GLASS-PANEL PARTITION, CYLINDER BY HARDWARE SUPPLIER, 21 MIL SECURITY FILM ON GLAZING	B119-D
B119-E	FG	6'-0"	7'-1"	1 3/4"	AL	SEE PLAN	AL	C4/A610	D4/A610	-			CR	B119-E
B119-F	OP	18'-8"	9'-4"	2 3/8"		SEE PLAN		E3/A630	E4/A630 & D2/A610	E2/A630		OH01	OPERABLE FOLDING PARTITION, 21 MIL SECURITY FILM ON GLAZING	B119-F
B119-G	OP							A4/A611	SEE PLAN	B4/A611			OPERRABLE FOLDING PARTITION, MO	B119-G
B119-H	OP							A4/A611	SEE PLAN	B4/A611			OPERABLE FOLDING PARTITION, MO	B119-H
B119-J	RAC						-			B4/A611 SIM			VERTICAL FOLDING RETRACTABLE WALL, MO	B119-J
B119-K	RAC						-			B4/A611 SIM			VERTICAL FOLDING RETRACTABLE WALL, MO	B119-K
B120	F	6'-0"	7'-0"	1 3/4"	WD	3	HM	C5/A610	D5/A610	-		23		B120
B121	F	6'-0"	7'-0"	1 3/4"	WD	3	HM	C5/A610	D5/A610	-		23		B121
B122	FG	3'-0"	7'-0"	2"	AL X2	7 X2	AL	C5/A610	D5/A610	-	X2	AL08 X2	PROVIDE ELECTIFIED HARDWARE, 21 MIL SECURITY FILM ON GLAZING	B122
B123-A	FG	3'-0"	7'-0"	1 3/4"	WD	8	HM	C5/A610	D5/A610			07	8 MIL SECURITY FILM ON GLAZING	B123-A
B123-B	FG	3'-0"	7'-0"	1 3/4"	WD	8	HM	C5/A610	D5/A610	-		03	8 MIL SECURITY FILM ON GLAZING	B123-B
B123-C	OP							B5/A611 SIM	SEE PLAN	B4/A611			OPERABLE FOLDING PARTITION	B123-C
B124	N	3'-0"	7'-0"	1 3/4"	WD	1	HM	C5/A610	D5/A610	-		06		B124
B125-A	FG	3'-0"	7'-0"	1 3/4"	WD	8	HM	C5/A610	D5/A610	-		03	8 MIL SECURITY FILM ON GLAZING	B125-A
B125-B	SL	7'-10"	9'-2"	1 3/4"					D4/A610			27	STOREFRONT SLIDING MALL FRONT SYSTEM, 8 MIL SECURITY FILM ON GLAZING	B125-B
B126-A	FG	3'-0"	7'-0"	1 3/4"	WD	8	HM	C5/A610	D5/A610	-		03	8 MIL SECURITY FILM ON GLAZING	B126-A
B126-B	SL	7'-10"	9'-2"	1 3/4"					D4/A610			27	STOREFRONT SLIDING MALL FRONT SYSTEM, 8 MIL SECURITY FILM ON GLAZING	B126-B
B127	FG	3'-0"	7'-0"	1 3/4"	WD	8	HM	C5/A610	D5/A610	-		03	8 MIL SECURITY FILM ON GLAZING	B127
B128-A	FG	3'-0"	7'-0"	1 3/4"	WD	8	HM	C5/A610	D5/A610	-		10	CR, 8 MIL SECURITY FILM ON GLAZING	B128-A
B128-B	FG	3'-0"	7'-0"	1 3/4"	WD	8	HM	C5/A610	D5/A610	-		10	CR	B128-B
B129-A	G	3'-0"	7'-0"	1 3/4"	WD	5	HM	C5/A610	D5/A610	-		21		B129-A
B129-B	N	3'-0"	7'-0"	1 3/4"	WD	1	HM	C5/A610	D5/A610	-		06		B129-B
B130	F	3'-0"	7'-0"	1 3/4"	WD	1	HM	C5/A610	D5/A610	-		06		B130
B131	F	3'-0"	7'-0"	1 3/4"	WD	1	HM	C5/A610	D5/A610	E2/A610		08		B131
B132	F	3'-0"	7'-0"	1 3/4"	WD	1	HM	C5/A610	D5/A610	E2/A610		08		B132
B133	F	3'-0"	7'-0"	1 3/4"	WD	1	HM	C5/A610	D5/A610	-		06		B133
B134	F	3'-0"	7'-0"	1 3/4"	WD	1	HM	C5/A610	D5/A610	-		12	CR	B134
B135-A	F	3'-0"	7'-0"	1 3/4"	HM	1	HM	C3/A610	D3/A610	C2/A610		13	INSULATED, PROVIDE CR, DC	B135-A
B135-B	OH	8'-0"	8'-0"	3"								OH01	EXISTING OH DOOR - PROVIDE DC	B135-B
B135-C	OH	8'-0"	8'-0"	3"								OH01	EXISTING OH DOOR - PROVIDE DC	B135-C
B135-D	OH	10'-0"	10'-0"	3"	STEEL		STEEL	D1/A331	E1/A331			OH01	INSULATED OH DOOR - PROVIDE MO, DC	B135-D
B135-E	F	6'-0"	7'-0"	1 3/4"	WD	3	HM	C5/A610	D5/A610	-		26	CR	B135-E
B136	F	3'-0"	7'-0"	1 3/4"	WD	1	HM	C5/A610	D5/A610	-		01		B136
B137	FG	3'-0"	7'-0"	1 3/4"	AL	SEE PLAN	AL	C1/A330	D1/A330 & E2/A331	C2/A610		13	INSULATED, PROVIDE CR, D, 21 MIL SECURITY FILM ON GLAZING	B137
Grand total: 117														

DOOR SCHEDULE GENERAL NOTES

RE: A620 for the Glazing Schedule.

RE: Division 8 Section "Door Hardware" for hardware sets.

Door Leaves: At each door, provide the number of leaves shown on the plans. Where two leaves are shown, provide equal leaves, UNO.

Frame Depth: Coordinate hollow metal frame depth with wall thickness, wrapping stud framed walls. Provide depths as scheduled for masonry walls, UNO.

Abbreviations: Door and Frame Schedule Remarks abbreviations:

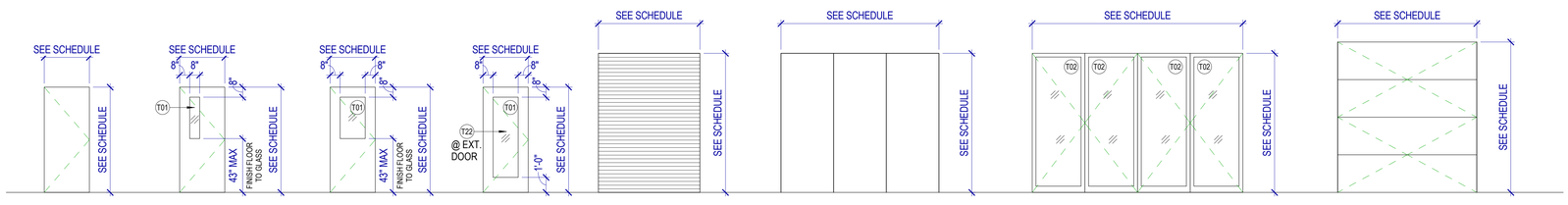
ADA	ADA Actuator
DC	Door Contact
CR	Card Reader
DR	Door Release
EL	Electric Latch
ES	Electric Strike
MO	Motor Operation
ED	Exit Device
OP	Operable Partition
OGP	Operable Glass Partition
OH	Overhead
RAC	Retractable Acoustical Wall

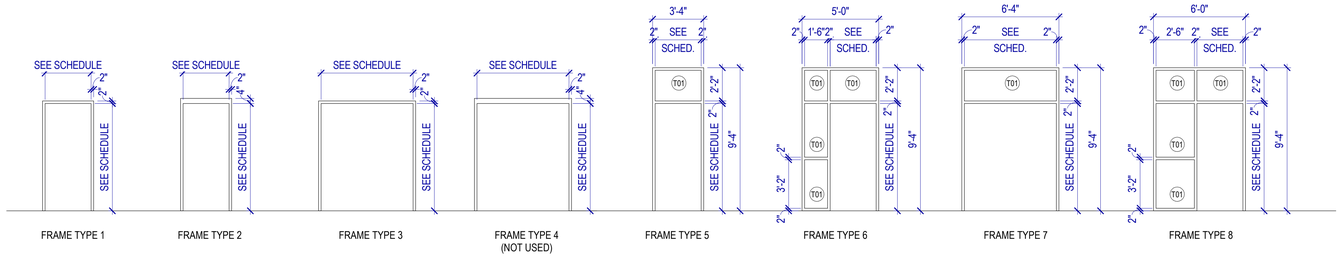
HOLLOW METAL FRAME DEPTH SCHEDULE

MASONRY/CONCRETE DEPTH	FRAME DEPTH
6"	5 3/4"
8"	6 3/4"
10"	8 3/4"
12"	10 3/4"

GLAZING SCHEDULE

1	CLEAR SILICONE SEALANT, CONTINUOUS
A01	6mm (1/4") CLEAR ANNEALED FLOAT GLASS
H22	1" LOW-E COATED, CLEAR HEAT-STRENGTHENED INSULATING GLASS
T01	6mm (1/4") CLEAR TEMPERED FLOAT GLASS
T02	12mm (1/2") CLEAR TEMPERED FLOAT GLASS
T22	1" LOW-E COATED, CLEAR TEMPERED INSULATING GLASS
T24	1" LOW-E COATED, INSULATING SPANDREL GLASS





DOOR & FRAME TYPES

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JORDAN SCHOOL DISTRICT

JORDAN LEARNING CENTER

3706 WEST 9800 SOUTH
SOUTH JORDAN, UT 84009

SEAL

MHTN PROJECT NO. 2024528

Original drawing is 30 x 42. Do not scale contents of this drawing.

REVISIONS
CONTRACTOR TO VERIFY DRAWINGS IN FIELD. USE REFLECT LAST REVISION DATE.

NO.	DATE	DESCRIPTION
X1	9/06/2024	ADDENDUM #1
X2	9/13/2024	ADDENDUM #2

ISSUE
CONSTRUCTION DOCUMENTS
AUGUST 29, 2024

SHEET NAME
DOOR SCHEDULE

SHEET NUMBER
A600

WINDOW TYPES GENERAL NOTES

Window Frames: Frames are aluminum storefront, UNO. Finish as specified.

End Dams: Provide end dams at sill flashing.

Coordination: Coordinate all trades to provide complete systems, including, but not limited to framing, glazing, sealants, flashing, brake metal and backing.

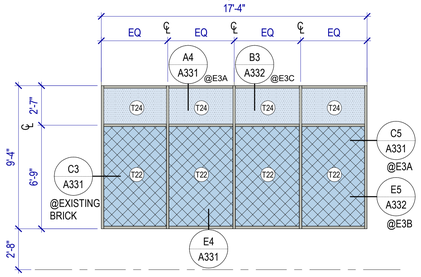
GLAZING SCHEDULE	
1	CLEAR SILICONE SEALANT, CONTINUOUS
A01	6mm (1/4") CLEAR ANNEALED FLOAT GLASS
H22	1" LOW-E COATED, CLEAR HEAT-STRENGTHENED INSULATING GLASS
T01	6mm (1/4") CLEAR TEMPERED FLOAT GLASS
T02	12mm (1/2") CLEAR TEMPERED FLOAT GLASS
T22	1" LOW-E COATED, CLEAR TEMPERED INSULATING GLASS
T24	1" LOW-E COATED, INSULATING SPANDREL GLASS

GLAZING LEGEND

SECURITY FILM TYPE 2

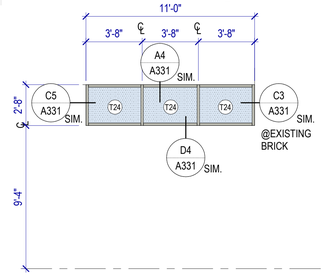
SECURITY FILM TYPE 1

X2



WINDOW TYPE 1

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



WINDOW TYPE 2

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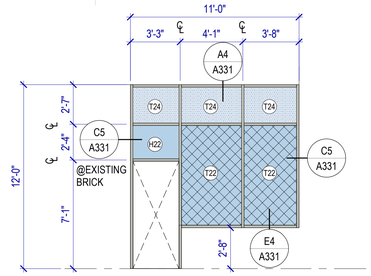

WINDOW TYPE 3

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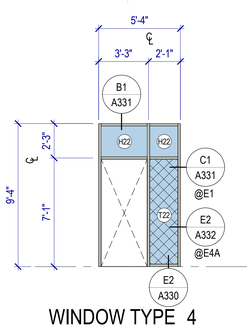

WINDOW TYPE 4

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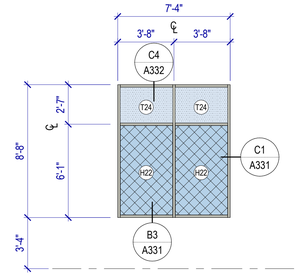
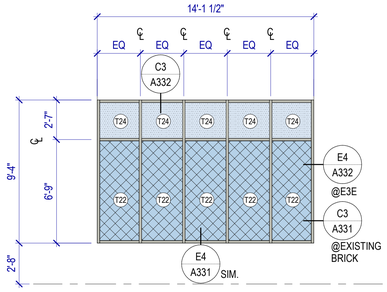


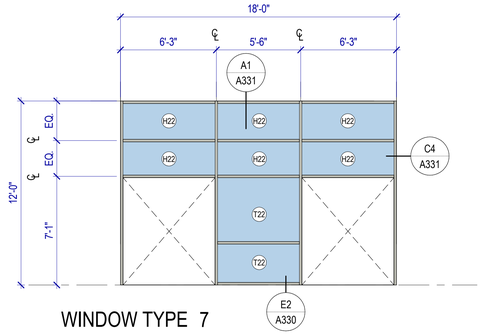
WINDOW TYPE 5

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



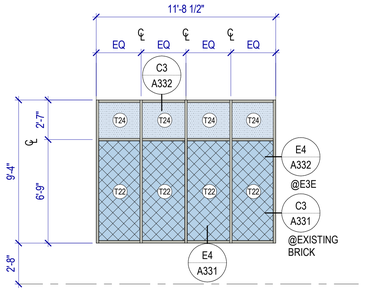
WINDOW TYPE 6

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



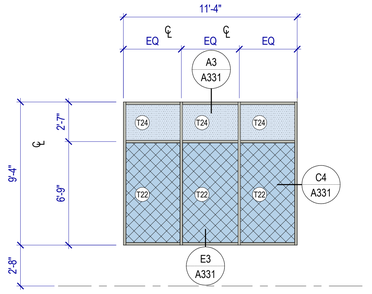
WINDOW TYPE 7

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



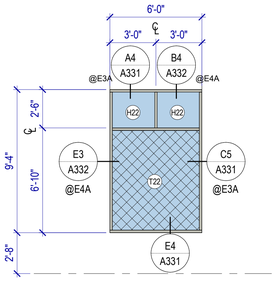
WINDOW TYPE 8

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



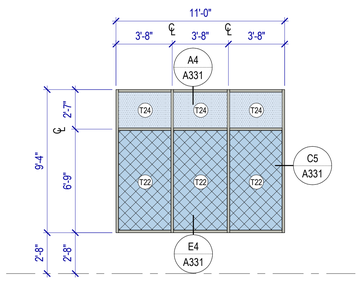
WINDOW TYPE 9

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



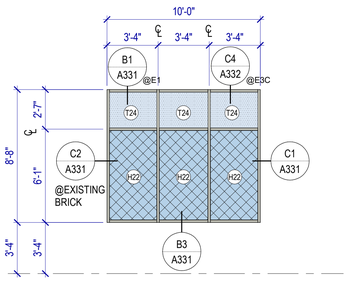
WINDOW TYPE 10

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



WINDOW TYPE 11

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



WINDOW TYPE 12

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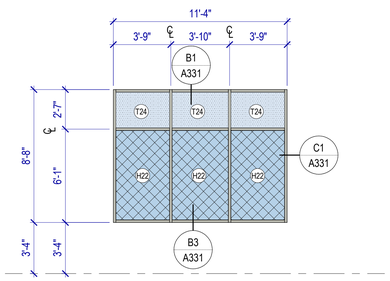
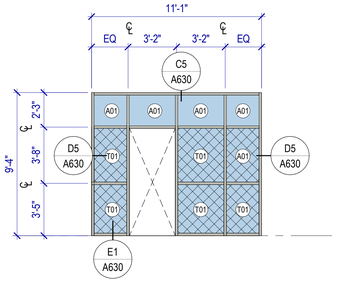


WINDOW TYPE 13

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



WINDOW TYPE IN1

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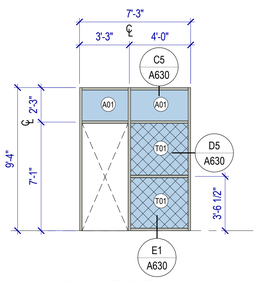

WINDOW TYPE IN2

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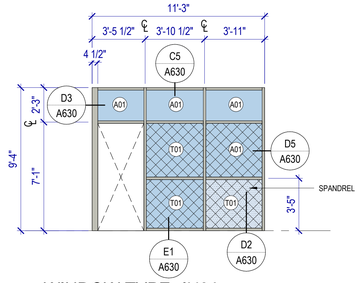

WINDOW TYPE IN3A

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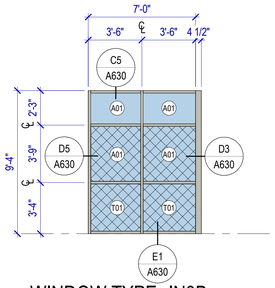

WINDOW TYPE IN3B

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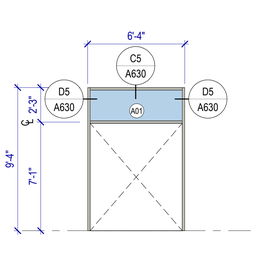

WINDOW TYPE IN4

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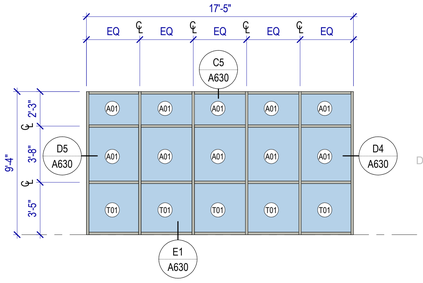

WINDOW TYPE IN5

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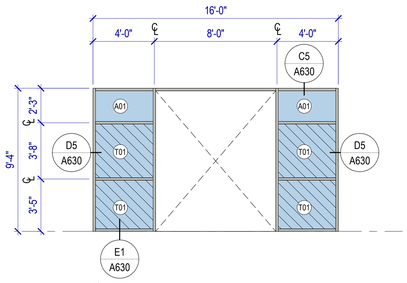

WINDOW TYPE IN6

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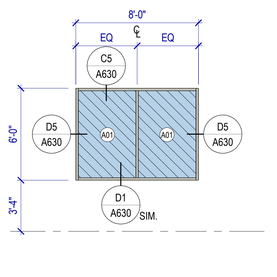

WINDOW TYPE IN7

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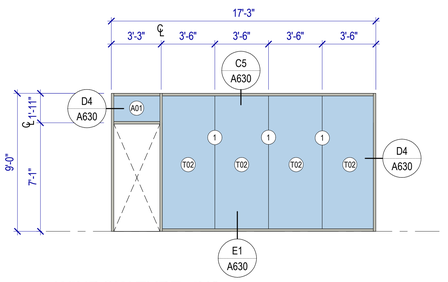

WINDOW TYPE IN8

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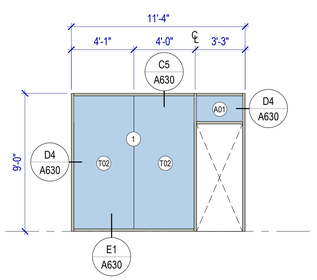
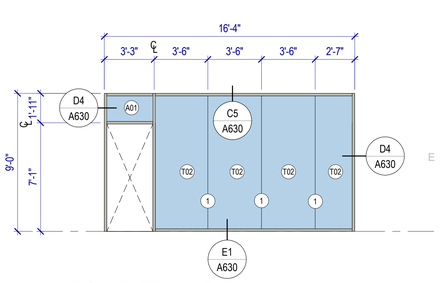


WINDOW TYPE IN9

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



WINDOW TYPE IN10

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

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JORDAN LEARNING CENTER

3706 WEST 9800 SOUTH
SOUTH JORDAN, UT 84009

SEAL

MHTN PROJECT NO. 2024528

Original drawing is 30 x 42. Do not scale contents of this drawing.

REVISIONS
CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE.

NO.	DATE	DESCRIPTION
X2	9/13/2024	ADDENDUM #2

ISSUE
CONSTRUCTION DOCUMENTS
AUGUST 29, 2024

SHEET NAME
WINDOW TYPES

SHEET NUMBER
A620

FINISH SCHEDULE AREA A

RM #	ROOM NAME	FLOOR FINISH	BASE FINISH	WALL				CEILING FINISH	CABINET FINISH	COUNTER TOP FINISH	REMARKS	RM #
				NORTH WALL FINISH	EAST WALL FINISH	SOUTH WALL FINISH	WEST WALL FINISH					
A100	WAITING	SEE PLAN	RB1	WC4	PT1	PT1	PT4, PL1	SEE RCP				A100
A101	W/C	SEE PLAN	TB2	WT2	WT2	WT2	WT4	SEE RCP				A101
A102	OFFICE	SEE PLAN	RB1	PT1	PT1, PT4	PT1	PT1	SEE RCP	PL1			A102
A103	RECEPTION	SEE PLAN	RB1		PT4		PT4	SEE RCP	PL1	SS1		A103
A104	RECORDS	SEE PLAN	RB1	PT1	PT1	PT1	PT1	SEE RCP	PL1			A104
A105	CORRIDOR	SEE PLAN	RB1	PT1, PT6	PT1, PT6, WD, WC4	PT1, PT6	PT1, PT6, WD, WC4	SEE RCP				A105
A106	ADMIN OFFICE	SEE PLAN	RB1	PT1	PT1	PT1	PT1	SEE RCP				A106
A107	ADMIN OFFICE	SEE PLAN	RB1	PT1	PT1	PT1	PT1	SEE RCP				A107
A108	CONFERENCE	SEE PLAN	RB1	PT1	PT1	PT1	PT1	SEE RCP				A108
A109	STORAGE	SEE PLAN	RB1	PT1	PT1	PT1	PT1	SEE RCP				A109
A110	MOTOR ROOM	SEE PLAN	RB1	PT1	PT1	PT1	PT1	SEE RCP				A110
A111	SENSORY/BALL ROOM	SEE PLAN	RB1	PT1	PT1	PT1	PT1	SEE RCP				A111
A112	COMMUNICATION	SEE PLAN	RB1	PT1, TCK1	PT1	PT1	PT1	SEE RCP	PL1	PL4		A112
A113	NURSE	SEE PLAN	RB1	PT1	PT1	PT1	PT1	SEE RCP				A113
A114	SANITARY	SEE PLAN	RB1	PT1	PT1	PT1	PT1	SEE RCP	PL1	PL4		A114
A115	NURSE	SEE PLAN	RB1	PT1	PT1	PT1	PT1	SEE RCP				A115
A116	STORAGE	SEE PLAN	RB1	PT1	PT1	PT1	PT1	SEE RCP				A116
A117	TESTING	SEE PLAN	RB1	PT1	WC4	PT1	PT1	SEE RCP				A117
A118	TESTING	SEE PLAN	RB1	PT1	WC4	PT1	PT1	SEE RCP				A118
A119	TESTING	SEE PLAN	RB1	PT1	WC4	PT1	PT1	SEE RCP				A119
A120	W/C	SEE PLAN	TB2	WT4	WT2	WT2	WT2	SEE RCP				A120
A121	STORAGE	SEE PLAN	RB1	PT1	PT1	PT1	PT1	SEE RCP				A121
A122	TODDLER	SEE PLAN	RB1	PT1	PT1	PT1, TCK1	PT1	SEE RCP	PL1	PL4		A122
A123	TESTING	SEE PLAN	RB1	PT1	WC4	PT1	PT1	SEE RCP				A123
A124	TESTING	SEE PLAN	RB1	PT1	WC4	PT1	PT1	SEE RCP				A124
A125	TESTING	SEE PLAN	RB1	PT1	WC4	PT1	PT1	SEE RCP				A125
A126	STORAGE	SEE PLAN	RB1	PT1	PT1	PT1	PT1	SEE RCP				A126
A127	TESTING	SEE PLAN	RB1	PT1	WC4	PT1	PT1	SEE RCP				A127
A128	TESTING	SEE PLAN	RB1	PT1	WC4	PT1	PT1	SEE RCP				A128
A129	OFFICE	SEE PLAN	RB1	PT1	PT1	PT1	PT1	SEE RCP				A129
A130	AUDIOLOGY	SEE PLAN	RB1	PT1	PT1	PT1	PT1	SEE RCP	PL1	PL4		A130

FINISH SCHEDULE AREA A

RM #	ROOM NAME	FLOOR FINISH	BASE FINISH	WALL				CEILING FINISH	CABINET FINISH	COUNTER TOP FINISH	REMARKS	RM #
				NORTH WALL FINISH	EAST WALL FINISH	SOUTH WALL FINISH	WEST WALL FINISH					
A131	TODDLER	SEE PLAN	RB1	PT1, TCK1	PT1	PT1	PT1	SEE RCP	PL1	PL4		A131
A132	TEACHER TEAM	SEE PLAN	RB1	PT1	PT1	PT1	PT1	SEE RCP				A132
A133	WORK ROOM	SEE PLAN	RB1	PT1	PT1	PT1	PT1	SEE RCP	PL1	PL4		A133
A134	STORAGE	SEE PLAN	RB1	PT1	PT1	PT1	PT1	SEE RCP				A134
A135	STORAGE	SEE PLAN	RB1	PT1	PT1	PT1	PT1	SEE RCP				A135
A136	W/C	SEE PLAN	TB2	WT4	WT2	WT2	WT2	SEE RCP				A136
A137	STORAGE	SEE PLAN	RB1	PT1	PT1	PT1	PT1	SEE RCP				A137
A138	TODDLER	SEE PLAN	RB1	PT1	PT1	PT1, TCK1	PT1	SEE RCP	PL1	PL4		A138
A139	COACH TEAM	SEE PLAN	RB1	PT1	PT1	PT1	PT1	SEE RCP	PL1			A139
A140	CORRIDOR	SEE PLAN	RB1	PT1	PT1	PT1	PT1, WT2	SEE RCP	PL1	SS1		A140
A141	BREAK ROOM	SEE PLAN	RB1	PT1, WT5	PT1, WT5	PT1	PT1	SEE RCP	PL1, PL3	SS1		A141
A142	ELECTRICAL	SEE PLAN	RB1	PT1	PT1	PT1	PT1	SEE RCP				A142
A143	CUSTODIAL OFFICE	SEE PLAN	RB1	PT1	PT1	PT1	PT1	SEE RCP				A143
A144	LAUNDRY / RECEIVING	SEE PLAN	RB1	PT1	PT1	PT1	PT1	SEE RCP	PL1	PL4		A144
A145	W/C	SEE PLAN	TB2	WT4	WT2	WT2	WT2	SEE RCP				A145
A146	CUSTODIAL	SEE PLAN	RB1	PT1	PT1	PT1	PT1	SEE RCP				A146
A147	MDF	SEE PLAN	RB1	PT1	PT1	PT1	PT1	SEE RCP				A147
A148	CHASE	SEE PLAN	RB1	PT1	PT1	PT1	PT1	SEE RCP				A148
A149	WOMENS	SEE PLAN	TB2	WT2	WT2, WT3	WT2	WT2, WT3	SEE RCP				A149
A150	MENS	SEE PLAN	TB2	WT2	WT2, WT3	WT2	WT2, WT3	SEE RCP				A150
A151	STORAGE	SEE PLAN	RB1	PT1	PT1	PT1	PT1	SEE RCP				A151
A152	OFFICE	SEE PLAN	RB1	PT1	PT1	PT1	PT1	SEE RCP				A152
A153	PRINT	SEE PLAN	RB1	PT1	PT1	PT1	PT1	SEE RCP	PL2	SS1		A153
A154	RECEPTION	SEE PLAN	RB1	WP2	PT1	WC5	PT1, PT5	SEE RCP	PL2	QTZ1		A154
A155	CONFERENCE	SEE PLAN	RB1	PT1		PT1	WC5	SEE RCP				A155
A156	OUTDOOR PLAY											A156
A157	OPEN	SEE PLAN	RB1	PT1	PT1	PT1	PT5	SEE RCP				A157
A158	CORRIDOR	SEE PLAN	RB1	PT1	PT1	PT1	PT1	SEE RCP				A158
A159	CORRIDOR	SEE PLAN	RB1	PT1	PT1	PT6		SEE RCP				A159
A160	CORRIDOR	SEE PLAN	RB1	PT6	PT1	PT1		SEE RCP				A160
A161	CORRIDOR	SEE PLAN	RB1	PT1	PT1	PT1	PT1	SEE RCP				A161

FINISH SCHEDULE GENERAL NOTES

RE: A653 for typical floor finish transition details

RE: A651 for Floor Pattern Plans

Finishes
Provide finishes as indicated in the finish schedule. Refer to interior elevations, where drawn, for clarification, dimensions and additional information. The absence of an interior elevation does not override the requirement to provide the finish indicated in the schedule.

Where a finish is partly hidden by an object, extend that finish behind the object.

Where multiple finishes are scheduled, refer to interior elevations and floor pattern plans for transition locations.

Floor: Extend floor finishes into knee spaces at cabinets, under counters and under all other objects, which in a floor plan view may obscure the extent of the floor finish.

Base: Where base is scheduled for a room, provide base at all walls whether shown in elevation, including alcoves and offsets. At gypsum board walls, if no base is scheduled or shown in interior elevations, provide 4" rubber base.

Walls: Extend wall finishes behind cabinets, behind mirrors, and into other areas that may be hidden in elevation views.

Ceilings: Paint areas above suspended ceilings that are visible from below. Color: black.

Doors, Windows and Frames: Unless specified to be pre-finished at the factory, provide paint finish on hollow metal doors and hollow metal door and window frames. Color as indicated, or if not indicated, then as selected by the Architect. Provide specified stain finish at wood doors.

Unfinished and Primed Metal Surfaces: Paint all unfinished and primed metal surfaces that are visible with the specified system(s). Color by Architect.

Standing and Running Trim: Provide specified stain finish at wood trim.

Floor Finish Transitions at Doors: Locate floor finish material transitions that occur at doors under the center of the door, UNO.

Floor Drains: Coordinate location of floor drains with Plumbing drawings.

Seaming Diagrams: Provide diagrams for broadloom carpet and sheet flooring.

Wall Covering Seams: Apply wall covering to minimize seams, to provide equal panels and locate seams no closer than 1'-0" from corners.

FINISH SCHEDULE LEGEND

BASES

RB - RUBBER BASE

TB1 - TILE BASE 1
TB2 - TILE BASE 2

WALL FINISHES

P1 - PAINTED GYPSUM BOARD
P2 - PAINTED

WC - WALL COVERING

CABINET

PLAM1 - PLASTIC LAMINATE 1
PLAM2 - PLASTIC LAMINATE 2

COUNTER TOP

PL1 - PLASTIC LAMINATE 1
SS1 - SOLID SURFACE 1
SSTL - STAINLESS STEEL

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JORDAN LEARNING CENTER

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SEAL

MHTN PROJECT NO. 2024528

Original drawing is 30 x 42. Do not scale contents of this drawing.

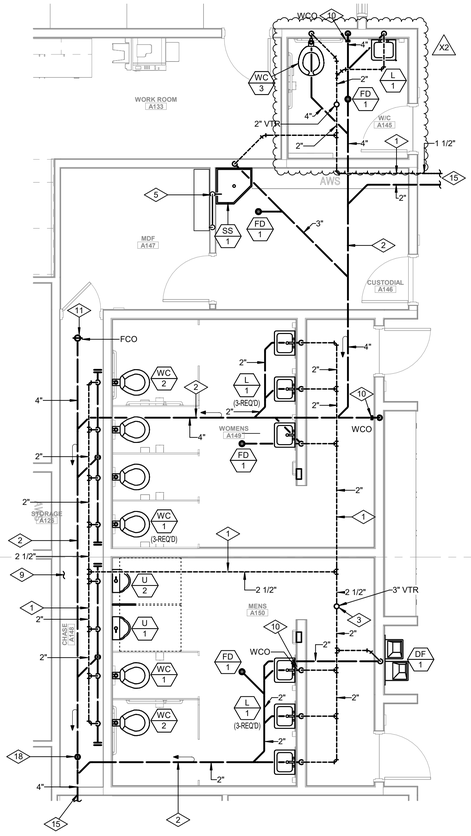
REVISIONS
CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE.

NO.	DATE	DESCRIPTION
X2	9/13/2024	ADDENDUM #2

ISSUE
CONSTRUCTION DOCUMENTS
AUGUST 29, 2024

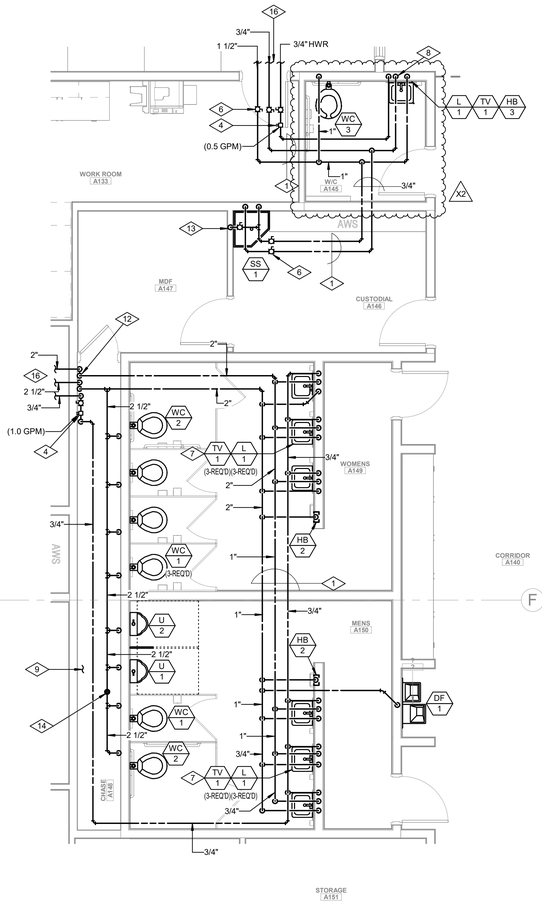
SHEET NAME
FINISH SCHEDULE AREA A

SHEET NUMBER
A640A



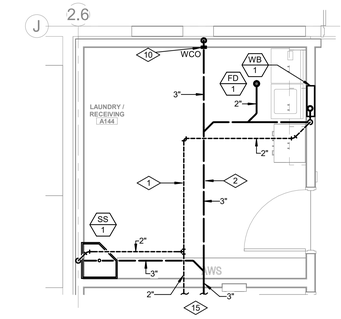
1 ENLARGED PLUMBING PLAN AREA A

SCALE: 1/4" = 1'-0" WASTE & VENT



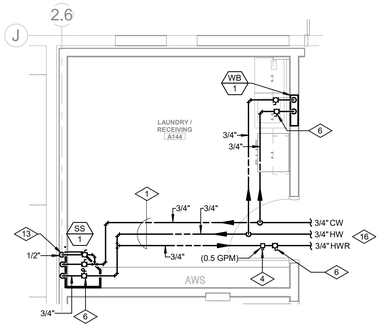
2 ENLARGED PLUMBING PLAN AREA A

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



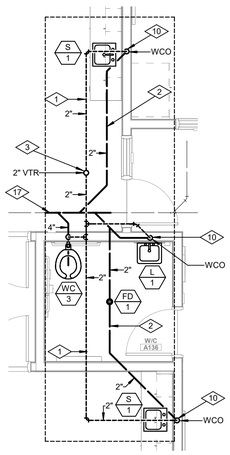
3 ENLARGED PLUMBING PLAN W&V AREA A

SCALE: 1/4" = 1'-0" WASTE & VENT



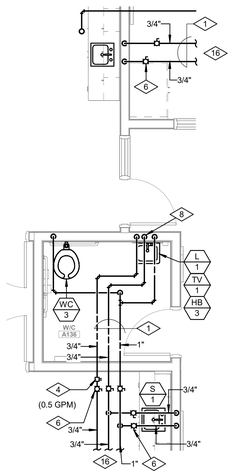
4 ENLARGED PLUMBING PLAN AREA A

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



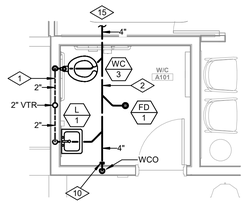
5 ENLARGED PLUMBING PLAN AREA A

SCALE: 1/4" = 1'-0" WASTE & VENT



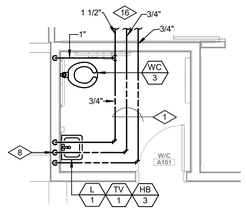
6 ENLARGED PLUMBING PLAN AREA A

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



7 ENLARGED PLUMBING PLAN AREA A

SCALE: 1/4" = 1'-0" WASTE & VENT



8 ENLARGED PLUMBING PLAN AREA A

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

REFERENCE NOTES

#	
1	PIPING TO RUN AS HIGH AS POSSIBLE ABOVE CEILING. COORDINATE ROUTING WITH ALL TRADES (TYPICAL).
2	PIPING TO RUN BELOW FINISHED FLOOR. COORDINATE ROUTING WITH STRUCTURAL FOOTINGS (TYPICAL).
3	VENT THRU ROOF (VTR). MAINTAIN A MINIMUM OF 15'-0" FROM ALL OUTSIDE AIR INTKES. SEE DETAIL 8/P602.
4	CALIBRATED BALANCING VALVE ON HOT WATER RECIRCULATING LINE. BALANCE FLOW TO GPM SHOWN.
5	3/4" CONDENSATE DRAIN LINE FROM AC-1. TERMINATE DRAIN INDIRECT AT SERVICE SINK.
6	BALL VALVE (TYPICAL). VALVE MUST BE ACCESSIBLE.
7	1/2" HOT, COLD AND HOT WATER RECIRCULATING PIPING TO DROP IN WALL TO SERVE LAVATORY (TYPICAL).
8	3/4" COLD, 1/2" HOT AND HOT WATER RECIRCULATING PIPING TO DROP IN WALL TO SERVE LAVATORY (TYPICAL).
9	ALL HORIZONTAL PIPING RUN IN PLUMBING CHASE SHALL BE INSTALLED 7'-0" MINIMUM ABOVE FINISHED FLOOR.
10	WALL CLEANOUT (WCO) (TYPCIAL). SEE DETAIL 4/P602.
11	FLOOR CLEANOUT (FCO) (TYPICAL). SEE DETAIL 4/P601.
12	LINE SIZE BALL VALVE IN VERTICAL PIPE DROP. VALVES MUST BE ACCESSIBLE. MOUNT VALVES AT 6'-6" ABOVE FINISHED FLOOR.
13	PROVIDE 1/2" CW LINE TO HOSE BIBB 'HB-4' SEE DETAIL 1/P603.
14	WATER HAMMER ARRESTOR (TYPICAL).
15	FOR CONTINUATION OF PIPING SEE SHEET P101A.
16	FOR CONTINUATION OF PIPING SEE SHEET P102A.
17	CONTRACTOR TO TIE INTO EXISTING PIPING IN THIS APPROXIMATE LOCATION. CONTRACTOR TO REMOVE AS NEEDED PIPING TO MAKE ALL NEW CONNECTIONS.
18	4" WASTE PIPIE STUB UP WITH JIM CAP.

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JORDAN SCHOOL DISTRICT

JORDAN LEARNING CENTER

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SEAL

MHTN PROJECT NO. 2024528

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REVISIONS
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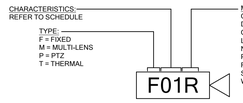
NO	DATE	DESCRIPTION
2	8-13-24	Addendum 02

ISSUE
CONSTRUCTION DOCUMENTS
AUGUST 29, 2024

SHEET NAME
ENLARGED PLUMBING PLANS

SHEET NUMBER
P401



ACCESS CONTROL TAG LEGEND

SEE THE "ACCESS CONTROL TYPE SCHEDULE" FOR DOOR TYPES

CAMERA SURVEILLANCE TAG LEGEND

SEE THE "CAMERA SURVEILLANCE SCHEDULE" FOR CAMERA TYPES

ACCESS CONTROL TYPE SCHEDULE

CR : ACCESS CONTROL CARD READER
KCR: ACCESS CONTROL CREDENTIAL CARD READER WITH KEYPAD
DC : ACCESS CONTROL DOOR/WINDOW CONTACT
PE : PUSH TO EXIT BUTTON
BR : ACCESS CONTROL BIOMETRIC READER
ICR: INTEGRATED LOCKSET WITH CREDENTIAL CARD READER
DP : INTRUSION DETECTION DOOR/WINDOW CONTACT
RX : REQUEST TO EXIT MOTION

TYPE	DESCRIPTION	CREDENTIAL				DOOR CONTACT		EXIT DEVICES		NOTES
		CR	BR	KCR	ICR	DC	DP	PTE	REX	
A	SINGLE DOOR	1	0	0	0	1	0	0	0	REFER TO THE SECURITY GENERAL NOTE #1
B	SINGLE DOOR	1	0	0	0	0	0	0	0	REFER TO THE SECURITY GENERAL NOTE #1
C	DOUBLE DOOR	1	0	0	0	2	0	0	0	REFER TO THE SECURITY GENERAL NOTE #1
D	DOUBLE DOOR	1	0	0	0	0	0	0	0	REFER TO THE SECURITY GENERAL NOTE #1
G	OVERHEAD GARAGE DOOR	0	0	0	0	1	0	0	0	REFER TO THE SECURITY GENERAL NOTE #1

CAMERA SURVEILLANCE TYPE SCHEDULE

TYPE	DESCRIPTION	MANFR.	CAT NO.	NOTES
F01C	INDOOR DAY/NIGHT FIXED DOME CAMERA - CEILING MOUNTED	AXIS	P3265-LV	REFER TO THE SECURITY GENERAL NOTES #3
F01W	INDOOR DAY/NIGHT FIXED DOME CAMERA - WALL MOUNTED	AXIS	P3265-LV	REFER TO THE SECURITY GENERAL NOTES #3
F02W	INDOOR DAY/NIGHT FIXED DOME CAMERA - WALL MOUNTED	AXIS	P3265-LVE	REFER TO THE SECURITY GENERAL NOTES #3
F20W	INDOOR DAY/NIGHT FIXED DOME CAMERA - WALL MOUNTED	AXIS	P3265-LVE	REFER TO THE SECURITY GENERAL NOTES #3

FLOOR BOX SCHEDULE

TYPE	DESCRIPTION	MFR.	CATALOG NO.
FB01	MULTI-SERVICE RECESSED FOUR-COMPARTMENT FLOOR BOXES WITH (2) 1-GANG COMPARTMENTS FOR POWER AND (2) 1-GANG COMPARTMENT FOR DATA. PROVIDE ROUND LOW PROFILE AND BEVELED EDGE COVER; INCLUDE MUDCAP, DEVICE PLATES, BLANK PLATES, MOUNTING BRACKETS, SPACERS AND COVER ASSEMBLIES. PROVIDE FLUSH FURNITURE FEED ASSEMBLIES. PROVIDE CIRCUITS AS SHOWN THROUGH THE FLOOR BOX TO THE WIRING ASSEMBLY ON THE TABLES. PROVIDE (2) 2" CONDUITS TO THE FLOOR BOX FOR DATA CABLING WITH CABLING FROM THE MDF AS INDICATED. PROVIDE DUPLEX RECEPTACLES AND DATA OUTLETS AS SHOWN IN THE TABLES. VERIFY ALL REQUIREMENTS WITH THE TABLE INSTALLER.	WIREMOLD	RFBA4
FB02	MULTI-SERVICE RECESSED FOUR-COMPARTMENT FLOOR BOXES WITH (1) 2-GANG COMPARTMENTS FOR POWER AND (1) 1-GANG COMPARTMENT FOR DATA. INCLUDE MUDCAP, DEVICE PLATES, BLANK PLATES, MOUNTING BRACKETS, SPACERS AND COVER ASSEMBLIES. PROVIDE FLUSH TILE ASSEMBLIES. SEE SECTION 262726, WIRING DEVICES. PROVIDE (2) DUPLEX RECEPTACLES IN EACH FLOOR BOX. PROVIDE A 2" CONDUIT TO THE DATA COMPARTMENT FROM THE MDF WITH PULL STRING.	WIREMOLD	RFBA4

2

FLOOR BOX GENERAL NOTES

1. PROVIDE FLOOR BOX WITHIN CONCRETE FLOOR SLAB AS SHOWN (REVIEW ARCHITECTURAL AND ELECTRICAL DRAWINGS). PRIOR TO PLACING CONCRETE SLAB, HOLD A COORDINATION WITH ELECTRICIAN, CONCRETE SUBCONTRACTOR, AND A REPRESENTATIVE FROM THE SCHOOL DISTRICT'S FURNITURE VENDOR TO REVIEW ELECTRICAL REQUIREMENTS AND FINAL ELECTRICAL FURNITURE IN-FEED LOCATIONS.
2. PROVIDE ALL NECESSARY FLOOR BOX ACCESSORIES REQUIRED FOR POWER, DATA, AND AV DEVICES.
3. COORDINATE FINAL FINISHES WITH ARCHITECT.

SECURITY

###	IP CAMERA [OFOI] - ROUGH-IN ONLY [PATHWAY AND CABLING]	AS NOTED	9. 10. 12.
NVR	NETWORK VIDEO RECORDER / SERVER		12.
DC 1	ACCESS CONTROL DOOR/WINDOW SWITCH/CONTACT	DOOR JAMB	12.
DC 2	SPECIALIZED SWITCH/CONTACT (GARAGE DOOR, ROOF ACCESS DOOR/HATCH)		12.
XX X	DR=DOOR RELEASE, LD=LOCKDOWN, PE=PUSH TO EXIT, DB=DURESS/PANIC: T = TRANSMITTER, R = RECEIVER, H = HARDWIRED		12.
MD MD	INTRUSION MOTION DETECTOR SOLID - WALL MOUNTED, DASHED = CEILING		12.
GB GB	GLASS BREAK DETECTOR: SOLID = WALL MOUNTED, DASHED = CEILING		12.
AS AS	INTRUSION DETECTION ALARM SIREN AND/OR STROBE		12.
PI	INTRUSION DETECTION POP-IT MODULE		12.
KP	INTRUSION SYSTEM KEYPAD (ARM/DISARM)		12.
INT	IP TWO-WAY AUDIO & VIDEO INTERCOM (ANSWERING BASE STATION & DOOR STATION)		12.
ML	ELECTROMAGNETIC LOCK (MAG LOCK)		8. 12.
SC SC	SMOKE & C/O DETECTOR COMBO: SOLID = WALL MOUNTED, DASHED = CEILING		12.
SH SH	SMOKE & C/O DETECTOR COMBO: SOLID = WALL MOUNTED, DASHED = CEILING		12.

DH	MAGNETIC DOOR HOLD OPENER	AS NOTED	8. 12.
ES	ELECTRIC DOOR STRIKE	DOOR JAMB	8. 12.
DP	INTRUSION DETECTION DOOR / WINDOW CONTACT	DOOR JAMB	12.
EL	ELECTRIC DOOR LOCK	DOOR JAMB	8. 12.
RX	ACCESS CONTROL REQUEST TO EXIT MOTION		8. 12.
EC	ELECTRIFIED EXIT RIM DEVICE (CRASH BAR)		8. 12.
CR	ACCESS CONTROL CARD READER	+46"	1. 12.
BR	ACCESS CONTROL BIOMETRIC READER	+46"	1. 12.
KS	KEY OVERRIDE SWITCH	+46"	1. 12.
ICR	INTEGRATED LOCKSET WITH CREDENTIAL CARD READER		8. 12.
KCR	ACCESS CONTROL CREDENTIAL CARD READER WITH KEYPAD	+46"	1. 12.
WS	SECURITY WORKSTATION		12.
'ACS'	ACCESS CONTROL PANEL		12.
'IDS'	INTRUSION DETECTION PANEL		12.
'PSP'	POWER SUPPLY PANEL FOR ELECTRIFIED DOOR HARDWARE EQUIPMENT		12.

ABBREVIATIONS INDEX

ABBREV.	DESCRIPTION	ABBREV.	DESCRIPTION
#	NUMBER	MH	MANHOLE
AC	ALTERNATING CURRENT	MIC	MICROPHONE
A.F.F.	ABOVE FINISH FLOOR	MIN	MINIMUM
AIC	AMPS INTERRUPTING CAPACITY	MTG	MOUNTING
AM	AMPS METER	MTR	MOTOR
AMP	AMPERE	N/A	NOT APPLICABLE
ANN	ANNUNCIATOR	NC	NORMALLY CLOSED
ATS	AUTOMATIC TRANSFER SWITCH	NEC	NATIONAL ELECTRICAL CODE
AUX	AUXILIARY	NEMA	NATIONAL ELECT. MANUFAC. ASSOC.
AWG	AMERICAN WIRE GAUGE	NFPA	NATIONAL FIRE PROTECTION ASSOC.
BC	BARE COPPER	N.I.C.	NOT IN CONTRACT
BFG	BELOW FINISH GRADE	NO	NORMALLY OPENED
C	CONDUIT	NTS	NOT TO SCALE
CAB	CABINET	OS & Y	OUTSIDE SCREW & YOKE
CATB	COMMUNITY ANTENNA TELEVISION	PB	PUSHBUTTON
CATV	CABLE TELEVISION	PF	POWER FACTOR
CKT	CIRCUIT	PFR	PHASE FAILURE RELAY
CLG	CEILING	PNL	PANEL
CNTR	CONTRACTOR	PT	POTENTIAL TRANSFORMER
C.O.	CONDUIT ONLY	PVC	POLYVINYL CHLORIDE CONDUIT
CRT	COMPUTER TERMINAL	(R)	RELOCATE
CT	CURRENT TRANSFORMER	RECEP	RECEPTACLE
CU	COPPER	REQ	REQUIREMENT
C/W	COMPLETE WITH	RLA	RATED LOAD AMPS
DB	DECIBEL	RMP	ROCKY MOUNTAIN POWER
DC	DIRECT CURRENT	RMS	ROOT MEAN SQUARE
DWG	DRAWING	SE	SERVICE ENTRANCE
(E)	TO REMAIN, UNLESS OTHERWISE NOTES	SPEC	SPECIFICATIONS
EC	EMPTY CONDUIT	SPKR	SPEAKER
EG	EMERGENCY GENERATOR	SS	SELECTOR SWITCH
EMT	ELECTRICAL METALLIC TUBING	SW	SWITCH
EX	EXPLOSION PROOF	SWBD	SWITCHBOARD
FACP	FIRE ALARM CONTROL PANEL	SWGR	SWITCHGEAR
FC	FOOT CANDLE	TTB	TELEPHONE TERMINAL BOARD
FT	FOOT	TTC	TELEPHONE TERMINAL CABINET
GFI	GROUND FAULT INTERRUPTER	TV	TELEVISION
GND	GROUND	TYP	TYPICAL
GRC	GALVANIZED RIGID CONDUIT	UG	UNDERGROUND
HP	HORSE POWER	UPS	UNINTERRUPTED POWER SUPPLY
HZ	HERTZ	V	VOLT (KV-KILOVOLT)
IFC	INTERNATIONAL FIRE CODE	VA/R	VOLT-AMPS/REACTIVE
IG	ISOLATED GROUND	VM	VOLT METER
IMC	INTERMEDIATE METALLIC CONDUIT	W	WATTS
IN	INCH	W/	WITH
J-BOX	JUNCTION BOX	WH	WATTHOUR METER
KV	KILOVOLT	W/O	WITHOUT
KVA	KILOVOLT AMPERES	WP	WEATHERPROOF
KVAR	KILOVARS	XFMR	TRANSFORMER
KW	KILOWATT	XFMR SW	TRANSFER SWITCH
LRA	LOCKED ROTOR AMPS	XP	EXPLOSION PROOF
LTG	LIGHTING	1P	SINGLE-PHASE
MNF	MANUFACTURER	2P	TWO-POLE
MAX	MAXIMUM	3P	THREE-POLE
MB	MAIN BUS	4P	FOUR-POLE
MCC	MOTOR CONTROL CENTER	∅	PHASE
MCM	1000 CIRCULAR MILLS		

SECURITY GENERAL NOTES

1. PRIOR TO STARTING ANY WORK THE DIV.28 ACCESS CONTROL CONTRACTOR SHALL COORDINATE A MEETING WITH THE OWNER, THE DIV.8 DOOR HARDWARE CONTRACTOR, AND THE DIV.26 ELECTRICAL CONTRACTOR TO REVIEW AND DISCUSS:
A. DOOR HARDWARE SPECIFICATIONS AND DOOR ROUGH-IN REQUIREMENTS.
B. WHAT ELECTRIFIED DOOR HARDWARE IS GETTING INSTALLED ON EACH DOOR.
C. THE FAIL-SAFE OR FAIL-SECURE OPERATION FOR THE ELECTRIFIED DOOR HARDWARE.
D. THE OPERATION HOW THE ADA EQUIPMENT WILL NEED TO FUNCTION WITH THE ACCESS CONTROL SYSTEM.
E. THE POWER REQUIREMENTS FOR ALL OF THE ELECTRIFIED HARDWARE.
F. HOW EACH DOOR WILL NEED TO BE PROGRAMMED TO OPERATE DURING BUSINESS HOURS, AFTER HOURS, SCHEDULED TIMES, LOCKDOWNS, EMERGENCY SITUATIONS, FIRE ALARMS, ETC.
G. THE FIRE ALARM INTERFACE AND THE OPERATION WITH THE ACCESS CONTROL SYSTEM AND THE EQUIPMENT THAT IS NEEDED.
H. WHICH AREAS IN THE EF/ER/TR ROOM IS TO BE UTILIZED TO INSTALL THE ACCESS CONTROL HEAD-END PANEL(S) AND THE ELECTRIFIED DOOR HARDWARE POWER SUPPLIES.
I. WHICH ELECTRICAL CURCUIT THE ACCESS CONTROL HEAD-END PANELS AND ELECTRIFIED DOOR HARDWARE POWER SUPPLIES SHOULD BE CURCUITED TO (EMERGENCY POWER OR A STANDARD CURCUIT).
J. CONFIRM WITH THE OWNER AND THE DIV.8 CONTRACTOR THAT THE DIV.28 CONTRACTOR WILL BE PROVIDING AND INSTALLING THE DOOR POSITION CONATCTS FOR THE ACCESS CONTROL SYSTEM.

2. THE ACCESS CONTROL SYSTEM SHALL INCLUDE ANY RELAYS, EXTERNAL POWER SUPPLIES, AUXILIARY DEVICES OR INPUT/OUTPUT MODULES REQUIRED TO SUPPORT DOOR TYPE INDICATED FOR COMPLETE AND FUNCTIONING CARD READER AND DOOR CONTROL.

3. THE VIDEO SURVEILLANCE CONTRACTOR SHALL PROVIDE ALL FOR THE CORRECT AND NECESSARY HARDWARE AND MOUNTING EQUIPMENT FOR THE VIDEO SURVEILLANCE CAMERAS AND EQUIPMENT. PRIOR TO STARTING ANY WORK THE DIV.28 SECURITY CONTRACTOR WILL COORDINATE A MEETING THE OWNER AND THE DIV.26 ELECTRICAL CONTRACTOR AND REVIEW & DISCUSS:
A. THE ROUGH-IN REQUIREMENTS FOR EACH CAMERA LOCATION AND THE SPECIFIED RACEWAY.
B. EACH SURVEILLANCE CAMERA LOCATION, HEIGHT, ORIENTATION AND VIEW.
C. THE SPECIFIED CATEGORY CABLE AND THE OUTER CABLING JACKET COLOR.
D. WHICH EF/ER/TR ROOM(S) AND EQUIPMENT RACK(S) THE SPECIFIED CATEGORY CABLING AND THE VIDEO SURVEILLANCE EQUIPMENT WILL NEED TO BE INSTALLED INTO.

4. PROVIDE ALL SPECIFIED AND NON-SPECIFIED COMPONENTS IN ORDER TO PROVIDE A COMPLETE AND A FULLY FUNCTIONAL ACCESS CONTROL, VIDEO SURVEILLANCE, AND INTRUSION DETECTION SYSTEMS.

5. THE DIV.28 CONTRACTOR(S) SHALL CAREFULLY REVIEW THE REFLECTED CEILING PLANS AND ARCHITECTURAL ELEVATIONS FOR COMPONENT INSTALLATION.

6. THE DIV.28 ACCESS CONTROL CONTRACTOR SHALL CAREFULLY REVIEW DOOR HARDWARE SUBMITTAL AND SUMMARIZE DISCREPANCIES TO TEAM.

7. EQUIPMENT COUNTS ARE PROVIDED FOR INFORMATION ONLY AT A CONVENIENCE TO THE CONTRACTOR. IT STILL REMAINS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY DRAWING QUANTITIES. IF A DISCREPANCY ARISES BETWEEN THE SCHEDULE COUNTS AND THE DRAWING COUNTS, THE HIGHEST QUANTITY SHALL BE INCLUDED IN THE BID.

8. PROVIDE FIRE ALARM INTERFACE TO UNLOCK ALL INDICATED LOCKS UPON ANY FIRE ALARM INITIATION.

9. COORDINATE WITH THE ELECTRICAL CONTRACTOR PRIOR TO ROUGH-IN TO ENSURE A COMPLETE INSTALLATION IS PROVIDED AND CORRECTLY INSTALLED.

10. ALL CABLING TO DEVICES THAT ARE INSTALLED WITHIN DOOR OR ON MULLIONS SHALL BE ROUTED THROUGH THE MULLIONS. COORDINATE INSTALLATION WITH THE DOOR/WINDOW SYSTEM INSTALLER PRIOR TO ANY ROUGH-IN. MULLION MOUNT CARD READERS DO NOT REQUIRE BACK BOX.

11. ALL FINAL CAMERA VIEWS SHALL BE APPROVED BY THE OWNER PRIOR TO PROJECT COMPLETION.

12. ALL PENETRATIONS OF FIRE RATED FLOORS, WALLS, AND CEILINGS SHALL BE SEALED WITH APPROVED MATERIAL TO MAINTAIN FIRE RATING OF SURFACE PENETRATED.

13. COORDINATE WITH THE OWNER AND REFERENCE EACH MANUFACTURER'S SPECIFICATIONS AND INSTRUCTIONS AND THE CODE REQUIREMENTS FOR THE SETUP, PROGRAMMING, AND THE INTEGRATION BETWEEN THE VIDEO SURVEILLANCE SYSTEM, ACCESS CONTROL SYSTEM, FIRE ALARM SYSTEM, ADA EQUIPMENT, ETC.

14. THE DIV.28 VIDEO SURVEILLANCE CONTRACTOR SHALL PROVIDE AN INTERACTIVE MAP IN THE SURVEILLANCE VIDEO MANAGEMENT SOFTWARE WITH CAMERAS AND ACCESS CONTROL DEVICES.

15. CONTRACTORS SHALL PROMPTLY NOTIFY ENGINEER PRIOR TO INSTALLATION OF WORK IF ANY OF THE SECURITY DEVICE LOCATIONS THAT ARE SHOWN IN THE SECURITY DRAWINGS ARE OBSTRUCTED.

16. EQUIPMENT LISTS ARE PROVIDED TO SET EQUIPMENT EXPECTATIONS AND MAY NOT BE COMPLETE. COORDINATE WITH DEVICES SHOWN ON DRAWINGS, SYSTEM RISERS, SPECIFICATIONS, AND EQUIPMENT LIST FOR SYSTEM INTENT. PROVIDE COMPLETE AND FUNCTIONAL SYSTEMS AS DESCRIBED WITHIN THE CONSTRUCTION DOCUMENTS.

17. INSTALL AND PROGRAM THE ACCESS CONTROL AND THE IP VIDEO SURVEILLANCE SYSTEMS TO THE MANUFACTURER'S INSTRUCTIONS AND SPECIFICATIONS, INDUSTRIES STANDARDS, AND TO THE OWNER'S REQUIREMENTS.

GENERAL NOTES

1. CONSULT ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF ALL LIGHTING FIXTURES.
2. VERIFY ALL EQUIPMENT DIMENSIONS AND LOCATIONS BEFORE BEGINNING ROUGH IN. CONSULT ALL APPLICABLE CONTRACT DRAWINGS AND SHOP DRAWINGS TO INSURE NEC CODE CLEARANCES REQUIRED AROUND ALL ELECTRICAL EQUIPMENT.
3. CONTRACTOR SHALL VERIFY ALL ELECTRICAL LOADS (VOLTAGE, PHASE, CONNECTION REQUIREMENTS, ETC) OF ALL EQUIPMENT FURNISHED UNDER ALL DIVISIONS, INCLUDING ALL EXISTING EQUIPMENT TO BE RE-USED. REVIEW ALL SHOP DRAWINGS AND EXISTING EQUIPMENT BEFORE BEGINNING ROUGH-IN.
4. SEE SECTION 265100 (16510) OF THE SPECIFICATION FOR REQUIRED COORDINATION MEETINGS WITH MECHANICAL AND CEILING CONTRACTORS.
5. SEE APPLICABLE SHOP DRAWINGS FOR ROUGH IN LOCATION OF ALL EQUIPMENT, WIRING DEVICES, ETC. WHERE APPLICABLE MOUNT ALL WIRING DEVICES ABOVE BACK SPLASH EXCEPT THOSE SERVING UNDER COUNTER EQUIPMENT.
6. SEE SPECIFICATION FOR ENERGY SAVING LAMP AND BALLAST REQUIREMENTS.
7. FINISHES OF ALL LIGHT FIXTURES SHALL BE AS SELECTED BY ARCHITECT.
8. THE ELECTRICAL CONTRACTOR SHALL NOTIFY AND COOPERATE WITH THE MECHANICAL CONTRACTOR SUCH THAT NO PIPING, DUCTS, OR EQUIPMENT FOREIGN TO THE OPERATION OF THE ELECTRICAL EQUIPMENT SHALL BE PERMITTED TO BE INSTALLED IN, ENTER OR PASS THRU ELECTRICAL ROOMS OR SPACES, OR ABOVE OR BELOW ELECTRICAL EQUIPMENT IN OTHER AREAS.
9. ELECTRICAL BOXES SHALL NOT BE LOCATED IN MASONRY COLUMNS IN BRICK WALLS OR IN GROUTED CELLS ADJACENT TO OPENINGS. COORDINATE LOCATION OF BOXES WITH MASONRY CONTRACTOR.
10. ALL PENETRATIONS OF FIRE RATED FLOORS, WALLS, AND CEILINGS SHALL BE SEALED WITH APPROVED MATERIAL TO MAINTAIN FIRE RATING OF SURFACE PENETRATED.
11. CONTRACTOR SHALL VERIFY FURNITURE LAYOUT PRIOR TO ANY FLOORBOX OR POKE-THRU INSTALLATION. COORDINATE EXACT LOCATION OF FLOOR BOX OR POKE-THRU WITH OWNER AND FURNITURE PROVIDER PRIOR TO ROUGH-IN.
12. CIRCUITS EXTENDING OVER 70' FOR 120 VOLT AND 115' FOR 277 VOLT 20 AMP CIRCUITS SHALL BE RUN WITH CONDUCTORS PER TABLE BELOW.

20 AMP MINIMUM BRANCH CIRCUIT CONDUCTOR SIZING

MAXIMUM LENGTH	BRANCH CIRCUIT VOLTAGE	
CONDUCTOR LENGTH (FT)	120 VOLT	277 VOLT
<70	MIN. #12 AWG	MIN. #12 AWG
70 - 115	MIN. #10 AWG	MIN. #12 AWG
115 - 170	MIN. #8 AWG	MIN. #10 AWG
170 - 270	MIN. #6 AWG	MIN. #8 AWG
271 - 380	NOTE B	MIN. #8 AWG
>380	NOTE B	NOTE B

A. THESE ARE BASED ON MAXIMUM LENGTH OF CIRCUIT.
B. PERFORM VOLTAGE DROP CALCULATIONS AND PROVIDE CONDUCTOR SIZE TO KEEP BRANCH CIRCUIT VOLTAGE DROP LESS THAN 3% WITH A 15 AMP LOAD.
C. CONTRACTOR SHALL ENSURE THAT THE INSTALLATION OF EACH BRANCH CIRCUIT STAYS WITHIN 3% VOLTAGE DROP FOR A 15 AMP LOAD. IF NECESSARY,CONTRACTOR SHALL INCREASE WIRE AND CONDUIT SIZE TO MEET THE STANDARD AT NO ADDITIONAL COST TO OWNER.

SHEET INDEX

SYMBOL LEGEND

NOTES:

1. SEE FIXTURE SCHEDULE FOR TYPE, MOUNTING AND WATTAGE.
2. HEIGHT MEASURED TO CENTER LINE OF THE BOX FROM THE FINISHED FLOOR.
3. REFER TO DRAWINGS FOR DIRECTIONAL ARROWS.
4. SUBSCRIPT INDICATES FIXTURES TO BE CONTROLLED.
5. NEMA TYPE 'ND' NON-FUSED UNLESS NOTED 'F' (FUSED). USE 'HD' 480 V.
6. HEIGHT MEASURED TO TOP OF THE BOX FROM FINISHED FLOOR.
7. PROVIDE H.O.A. AND S.S. PUSHBUTTONS AS REQUIRED.
8. DOUBLE ARROWS INDICATES A DOUBLE FACE UNIT.
9. DEVICES NOTED WITH AN 'A' INDICATE TO COORDINATE WITH MILLWORK SHOP DRAWINGS AND ELEVATIONS FOR HEIGHT.
10. SUBSCRIPT INDICATES NEMA CONFIGURATION.
11. SOLID BOX AROUND DEVICE INDICATES INSTALLED IN FLOOR. DASHED BOX AROUND DEVICE INDICATES INSTALLED IN CEILING.
12. COORDINATE WITH DOOR HARDWARE SUPPLIER.
13. FOR WATER COOLER LOCATION, SEE DIAGRAM R002. FOR ALL OTHER LOCATIONS, MOUNT AT +16" TO BOTTOM OF BOX FROM FINISHED FLOOR, OR AS NOTED.
14. ARROWS SHOWN ON DEVICE INDICATE AIMING DIRECTION.
15. CAMERA NUMBERS ARE SHOWN INSIDE THE CAMERA SYMBOL. CAMERA TYPES ARE INDICATED IN TAG.
16. MOUNT ON TRACK OF OVERHEAD DOOR, 6" FROM TOP OF DOOR, UNLESS OVERHEAD DOOR IS A ROLL UP DOOR, THEN MOUNT PER MANUFACTURER'S INSTRUCTIONS.
17. INSTALL DEVICES PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
18. DASHED LINE INDICATES EQUIPMENT CLEARANCES. ARROW INDICATES FRONT OF RACK.
19. SPEAKER TO BE MOUNTED IN HORIZONTAL POSITION.
20. MOUNTING HEIGHT IS TO BOTTOM OF DISPLAY.

*TYPICAL SYMBOL SCHEDULE. SOME SYMBOLS MAY NOT BE USED ON THIS SET OF DRAWINGS.

STANDARD MOUNTING HEIGHT UNLESS OTHERWISE NOTED ON PLANS

GENERAL

SYMBOL	DESCRIPTION	MOUNTING HEIGHT	NOTES	SYMBOL	DESCRIPTION	MOUNTING HEIGHT	NOTES
	ONE CIRCUIT, HOME RUN TO PANEL				EQUIPMENT PANEL, SEE DRAWINGS	+72"	6.
	2 CIRCUIT, HOME RUN TO PANEL				CABLE TRAY	AS NOTED	
	3 CIRCUIT, HOME RUN TO PANEL				GROUND BUS BAR	+18"	6.
	CONDUIT RUN CONCEALED IN WALL OR CEILING			X	LIGHT FIXTURE (LETTER DESIGNATES TYPE)		
	CONDUIT RUN CONCEALED IN FLOOR OR GROUND			X X	EQUIPMENT NUMBER		
	CONDUIT UP			X	ARCHITECTURAL ROOM NUMBER		
	CONDUIT DOWN			X	DEVICE / EQUIPMENT (TEXT DESIGNATES TYPE) SEE SCHEDULE		
	CONDUIT STUB LOCATION	CAP CONDUIT		X	DEVICE / EQUIPMENT (TEXT DESIGNATES TYPE) SEE SCHEDULE / LEGEND		
	CONDUIT / CIRCUIT CONTINUATION						

MULTIPLE SYSTEM SYMBOLS

R	RECEPTACLE SWITCH PACK	ABOVE CEILING		J F	JUNCTION BOX ('F' IN FLOOR)	AS NOTED	
	DUPLEX RECEPTACLE UPPER OUTLET SWITCH CONTROLLED	+18" OR AS NOTED	2. 9.		MOTOR OUTLET	TO SUIT EQUIP.	2.
	SIMPLEX RECEPTACLE	+18" OR AS NOTED	2. 9.		PUSHBUTTON	+46"	2.
	DUPLEX RECEPTACLE	+18" OR AS NOTED	2. 9. 11.		NON-FUSED DISCONNECT SWITCH	+60"	5. 6.
A	DUPLEX RECEPTACLE		9.	F	FUSED DISCONNECT SWITCH	+60"	5. 6.
G	5mA GFCI CIRCUIT BREAKER PROTECTED RECEPTACLE		13.	B	BREAKER DISCONNECT SWITCH	+60"	5. 6.
WP	WEATHERPROOF RECEPTACLE	+24" OR AS NOTED	2. 9.	$	SINGLE POLE SWITCH	+46"	2. 4.
	GROUND FAULT INTERRUPTER DUPLEX RECEPTACLE	+18" OR AS NOTED	2. 9.	$T	MANUAL STARTER THERMAL OVERLOAD SWITCH WITH PILOT LIGHT	+46"	2.
	DUPLEX RECEPTACLE EMERGENCY POWER (RED)	+18" OR AS NOTED	2. 9. 11.		MAGNETIC STARTER	+60"	6. 7.
	FOURPLEX RECEPTACLE	+18" OR AS NOTED	2. 9. 11.		MAGNETIC STARTER / DISCONNECT COMBINATION	+60"	6. 7.
	GROUND FAULT INTERRUPTER FOURPLEX RECEPT	+18" OR AS NOTED	2. 9.	VFD	VARIABLE FREQUENCY DRIVE	+66"	6.

LIGHTING

	CEILING LIGHT FIXTURE	CEILING	1.	PP	POWER PACK	ABOVE CEILING	SEE DIAGRAM, SPEC.
	WALL LIGHT FIXTURE	AS NOTED	1.	RC X	DIGITAL ROOM CONTROLLER (SUBSCRIPT INDICATES NUMBER OF RELAYS)	ABOVE CEILING	SEE DIAGRAM, SPEC.
	RECESSED DOWNLIGHT FIXTURE	CEILING	1.	EP	EMERGENCY LIGHTING CONTROL UNIT	ABOVE CEILING	SEE DIAGRAM, SPEC.
	RECESSED WALL-WASH DOWNLIGHT FIXTURE	CEILING	1.	$3	THREE-WAY SWITCH	+46"	2. 4.
	LIGHT FIXTURE	AS NOTED	1.	$4	FOUR-WAY SWITCH	+46"	2. 4.
	EGRESS LIGHT FIXTURE	AS NOTED	1.	$K	KEY OPERATED SWITCH	+46"	2. 4.
	AREA LIGHT POLE AND FIXTURE POST TOP LIGHT POLE AND FIXTURE	CONCRETE BASE	1. 14. SEE DIAGRAM	$P	SWITCH WITH PILOT LIGHT	+46"	2. 4.
	BOLLARD	CONCRETE BASE	1. 14. SEE DIAGRAM	$D	VARIABLE INTENSITY SWITCH	+46"	2. 4.
	STEP LIGHT FIXTURE	AS NOTED	1.	$TM	TIMER SWITCH	+46"	2. 4.
	IN-GRADE LIGHT FIXTURE	CONCRETE BASE	1.	$	MOMENTARY CONTACT SWITCH	+46"	2. 4.
	FLOOD OR TRACK FIXTURE	AS NOTED	1.	X	LOW VOLTAGE WALLSTATION (SUBSCRIPT INDICATES CONFIGURATION & CONTROL SEQUENCE)	+46"	2. SEE DIAGRAM, SPEC.
	CEILING / WALL MOUNTED EXIT LIGHT	CEILING/ AS NOTED	1. 3. 8.		DUAL TECH. CEILING MOUNTED OCCUPANCY SENSOR (PROVIDE WITH ALL PP AND ROOM CONTROLLERS)	CEILING	SEE DIAGRAM, SPEC.
	EMERGENCY LIGHT FIXTURE	AS NOTED	1.		DUAL TECH. WALL MOUNTED OCCUPANCY SENSOR (SUBSCIPT D = DIMMING AND DAYLIGHT CONTROL)	+46"	2. 4. SEE DIAGRAM, SPEC.
	COMBO EXIT / EMERGENCY LIGHT FIXTURE	AS NOTED	1.	P	PHOTO-ELECTRIC CONTROL (LOCATE ON ROOF, FACE NORTH)	AS NOTED	MOUNT AS PER MFR.
TC	TIME CLOCK	+60"	2.		DIGITAL DAYLIGHT SENSOR	CEILING	SEE DIAGRAM, SPEC.

POWER - ALL 120V RECEPTACLES SHALL BE CONSIDERED TAMPERPROOF

IG	ISOLATED GROUND RECEPTACLE	+18" OR AS NOTED	2. 9.	J	PLUGMOLD	+46" OR AS NOTED	2. SEE SPEC.
U	DUPLEX RECEPTACLE WITH USB OUTLET	+18" OR AS NOTED	2. 9.	DP	FLAT PANEL DISPLAY WALL BOX TVSS RECEPT., DATA AND OTHER DEVICES, REFER TO DIAGRAMS	AS NOTED	SEE DIAGRAM, SPEC. 26 2726
	CONTROLLED DUPLEX RECEPTACLE	+18" OR AS NOTED	2. 9.	CP	CEILING PROJECTION SYSTEM CEILING BOX	ABOVE CEILING	SEE DIAGRAM, SPEC.
	FOURPLEX RECEPTACLE EMERGENCY POWER (RED)	+18" OR AS NOTED	2. 9. 11.		DOORBELL CHIME	+90"	2.
	CONTROLLED FOURPLEX RECEPTACLE	+18" OR AS NOTED	2. 9.	FB	FLOOR BOX - SEE SCHEDULE	FLOOR	SEE DIAGRAM, SPEC.
	TVSS PROTECTED RECEPTACLE	+18" OR AS NOTED	2. 9.	PT	POKE THRU - SEE SCHEDULE	FLOOR	SEE DIAGRAM, SPEC.
	SPECIAL PURPOSE OUTLET	+18" OR AS NOTED	2. 10. W/ CAP.		PANELBOARD	+72"	6.
	CORD DROP		SEE DIAGRAM		MAIN DISTRIBUTION PANEL		
	CORD REEL		SEE DIAGRAM		TELEPHONE DEMARCATION BOARD		
	TOMBSTONE RECEPTACLE			CLG	EQUIPMENT CEILING RACK	CEILING	
	POWER POLE				EQUIPMENT 4-POST RACK / CABINET	AS NOTED	18. SEE SPEC.
EV EV	SINGLE / DUAL PORT ELECTRICAL VEHICLE CHARGER				EQUIPMENT 2-POST RACK	AS NOTED	18. SEE SPEC.
M	UTILITY METER / CT CABINET	+72"	6.				

TELECOMMUNICATIONS

W	WALL PHONE	+60" OR AS NOTED	2.	WAP WAP	WIRELESS ACCESS POINT, TWO CABLES SOLID = WALL, DASHED = CEILING	WALL / CEILING	11.
	DATA OUTLET, ONE CABLE	+18" OR AS NOTED	2. 9. 11.	SPL	SPLITTER	ABOVE CEILING	
	DATA OUTLET, TWO CABLES	+18" OR AS NOTED	2. 9. 11.	VIA	VIA	ABOVE CEILING	
	DATA OUTLET, THREE CABLES	+18" OR AS NOTED	2. 9. 11.	BDA	FIBER BDA	ABOVE CEILING	
X	DATA OUTLET, "X" INDICATES QUANTITY	+18" OR AS NOTED	2. 9. 11.	ANT XX	ANTENNA PS = PUBLIC SAFETY, COM = CELLULAR/COMMERCIAL	CEILING	
	TELEVISION OUTLET	+18" OR AS NOTED	9. 11.				

FIRE ALARM

	BELL	+94"	2.	S	SMOKE DETECTOR	CEILING	
C	CHIME / STROBE	+94" / CEILING	2.	SC	SMOKE/CARBON MONOXIDE DETECTOR	CEILING	
F	FIRE ALARM MANUAL STATION	+46"	2.	C	CARBON MONOXIDE DETECTOR	CEILING	
H	FIRE ALARM SIGNAL HORN / STROBE	+94" / CEILING	2.	H	HEAT DETECTOR	CEILING	
H CLG	CONCEALED FIRE ALARM HORN / STROBE	CEILING		D	DUCT SMOKE DETECTOR		MTD. IN DUCT
H	CONCEALED FIRE ALARM HORN / STROBE WALL	+94"	2.	D	FIRE/SMOKE DAMPER		
E	FIRE ALARM SPEAKER / STROBE	+94" / CEILING	2.		DOOR HOLDER	AS NOTED	
E CLG	CONCEALED FIRE ALARM SPEAKER / STROBE	CEILING		FS	FLOW SWITCH		
E	CONCEALED FIRE ALARM SPEAKER / STROBE WALL	+94"	2.	TS	TAMPER SWITCH		
S	FIRE ALARM STROBE	+94" / CEILING	2.	WF	WATER FLOOD INDICATOR		
S CLG	CONCEALED FIRE ALARM STROBE	CEILING			O.S. & Y. VALVE		SEE DIAGRAM
S	CONCEALED FIRE ALARM STROBE WALL	+94"	2.	R	FIRE ALARM RELAY OR SECURITY RELAY		
K	FIRE ALARM SPEAKER ONLY	+94" / CEILING	2.	CM	FIRE ALARM CONTROL MODULE		
B	FIRE ALARM STROBE WITH BLUE COLORED LENS (CO VISUAL ALARM)	+94" / CEILING	2.	MM	FIRE ALARM MONITOR MODULE		
ANN	FIRE ALARM ANNUNCIATOR PANEL	+58"	2. SEE DIAGRAM	TWZ	TWO-WAY COMMUNICATION SYSTEM CONTROL PANEL	+46"	2.
V	ASPIRATING SMOKE DETECTION SYSTEM	CEILING	MOUNT AS PER MFR.	TW	TWO-WAY COMMUNICATION SYSTEM CALL STATION	+46"	2.
B	BEAM DETECTOR		MOUNT AS PER MFR.	R	FIRE ALARM RELAY		

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SEAL

PROFESSIONAL ENGINEER
8/29/2024
BRIAN HICKS
No. 7709037-2202
STATE OF UTAH

MHTN PROJECT NO. 2024528

Original drawing is 30 x 42. Do not scale contents of this drawing.

REVISIONS
CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE.

NO. △	DATE	DESCRIPTION
2	09/13/2024	Addendum #2

ISSUE
CONSTRUCTION DOCUMENTS
AUGUST 29, 2024

SHEET NAME
ELECTRICAL SYMBOLS, SCHEDULES, AND NOTES

SHEET NUMBER
E001

Autodesk Docs://2024528 JSD Retail Remodel/24133 - JSD LEARNING Center ELEC V24.rvt
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EQUIPMENT SCHEDULE

CONNECTION TYPE NOTES:

1. NON-FUSED DISCONNECT SWITCH
2. FUSED DISCONNECT SWITCH
3. BREAKER IN ENCLOSURE
4. MANUAL STARTER WITH THERMAL OVERLOAD
5. MAGNETIC STARTER
6. MAGNETIC STARTER/NON-FUSED DISCONNECT COMBINATION
7. MAGNETIC STARTER/FUSED DISCONNECT COMBINATION
8. MAGNETIC STARTER/BREAKER COMBINATION
9. VARIABLE FREQUENCY DRIVE
10. REDUCED VOLTAGE STARTER
11. DIRECT CONNECTION
12. RECEPTACLE/SPECIAL PURPOSE OUTLET/ETC.
13. TWO-SPEED STARTER. COORDINATE WITH MOTOR TYPE
14. SOLID STATE SOFT-STARTER

RESPONSIBILITY LEGEND:

A. FURNISHED, INSTALLED AND CONNECTED UNDER DIVISION 26(16)
B. FURNISHED AND INSTALLED UNDER ANOTHER DIVISION. REQUIRED CONNECTION UNDER DIVISION 26(16)
C. FURNISHED UNDER ANOTHER DIVISION BUT INSTALLED AND CONNECTED UNDER DIVISION 26(16)
D. FURNISHED, INSTALLED AND CONNECTED UNDER ANOTHER DIVISION

CB = CIRCUIT BREAKER

NOTE 1: PER 250.122(A), EQUIPMENT GROUND IS NOT REQUIRED TO BE LARGER THAN THE PHASE CONDUCTOR
NOTE 2: OVERCURRENT PROTECTION DEVICE (OCPD) SHOWN IS LOCATED AT POWER PANEL. ALL FUSING TO BE SIZED IN ACCORDANCE WITH FUSE MFR RECOMMENDATION FOR MOTOR NAME PLATE RATING.
NOTE 3: ALL EQUIPMENT TO BE RATED FOR THE ENVIRONMENT FOR WHICH IT IS INSTALLED.

			ELECTRICAL EQUIPMENT INFORMATION								WIRE				OCPD					
			LOAD																	
UNIT	#	DESCRIPTION	HP	FLA	MCA	VA	VOLTAGE	PHASE	FULL LOAD AMPS	CONDUIT SIZE	SETS	QTY	SIZE	EQ. GROUND	TYPE	AMPS	Equipment 3-phase	Sub Diversity Class	STARTER/ DISC/ VFD OTHER (SEE NOTES)	REMARKS
ACI	1	INDOOR AC UNIT	0.00	0 A	1 A	0 VA	208 V	1	0.8 A	3/4"	1	2	12	12	CB	15 A	No	Mech Coordination	2 A	POWERED BY OUTDOOR UNIT
ACI	2	INDOOR AC UNIT	0.00	0 A	1 A	0 VA	208 V	1	0.8 A	3/4"	1	2	12	12	CB	15 A	No	Mech Coordination	2 A	POWERED BY OUTDOOR UNIT
ACO	1	OUTDOOR AC UNIT	0.00	0 A	14 A	0 VA	208 V	1	11.2 A	3/4"	1	2	12	12	CB	20 A	No	Mech Coordination	2 A	
ACO	2	OUTDOOR AC UNIT	0.00	0 A	14 A	0 VA	208 V	1	11.2 A	3/4"	1	2	12	12	CB	20 A	No	Mech Coordination	2 A	
CP	1	PUMP	0.17	0 A	0 A	0 VA	120 V	1	4.4 A	3/4"	1	2	12	12	CB	15 A	No	Mech Coordination	4 A	
EF	1	EXHAUST FAN	0.00	3.8 A	0 A	0 VA	120 V	1	3.8 A	3/4"	1	2	12	12	CB	15 A	No	Mech Coordination	4 A	
EF	2	EXHAUST FAN	0.00	3.8 A	0 A	0 VA	120 V	1	3.8 A	3/4"	1	2	12	12	CB	15 A	No	Mech Coordination	4 A	
EF	3	EXHAUST FAN	0.00	3.8 A	0 A	0 VA	120 V	1	3.8 A	3/4"	1	2	12	12	CB	15 A	No	Mech Coordination	4 A	
EF	4	EXHAUST FAN	0.00	3.8 A	0 A	0 VA	120 V	1	3.8 A	3/4"	1	2	12	12	CB	15 A	No	Mech Coordination	4 A	
EF	5	EXHAUST FAN	0.00	3.8 A	0 A	0 VA	120 V	1	3.8 A	3/4"	1	2	12	12	CB	15 A	No	Mech Coordination	4 A	
EF	6	EXHAUST FAN	0.00	3.8 A	0 A	0 VA	120 V	1	3.8 A	3/4"	1	2	12	12	CB	15 A	No	Mech Coordination	4 A	
EF	7	EXHAUST FAN	0.00	3.8 A	0 A	0 VA	120 V	1	3.8 A	3/4"	1	2	12	12	CB	15 A	No	Mech Coordination	4 A	
EF	8	EXHAUST FAN	0.00	3.8 A	0 A	0 VA	120 V	1	3.8 A	3/4"	1	2	12	12	CB	15 A	No	Mech Coordination	4 A	
EF	9	EXHAUST FAN	0.00	3.8 A	0 A	0 VA	120 V	1	3.8 A	3/4"	1	2	12	12	CB	15 A	No	Mech Coordination	4 A	
EF	10	EXHAUST FAN	0.00	3.8 A	0 A	0 VA	120 V	1	3.8 A	3/4"	1	2	12	12	CB	15 A	No	Mech Coordination	4 A	
EF	11	EXHAUST FAN	0.00	5.8 A	0 A	0 VA	120 V	1	5.8 A	3/4"	1	2	12	12	CB	15 A	No	Mech Coordination	4 A	
EF	12	EXHAUST FAN	0.00	5.8 A	0 A	0 VA	120 V	1	5.8 A	3/4"	1	2	12	12	CB	15 A	No	Mech Coordination	4 A	
EUH	1	ELECTRIC UNIT HEATER	0.00	0 A	0 A	5000 VA	208 V	1	24.0 A	3/4"	1	2	10	10	CB	25 A	No	Mech Coordination	2 A	
EUH	2	ELECTRIC UNIT HEATER	0.00	0 A	0 A	5000 VA	208 V	1	24.0 A	3/4"	1	2	10	10	CB	25 A	No	Mech Coordination	2 A	
FH	1	FUME HOOD	0.00	10 A	0 A	0 VA	120 V	1	10.0 A	3/4"	1	2	12	12	CB	15 A	No	Mech Coordination	11 A	
RT	1	ROOFTOP	0.00	0 A	9 A	0 VA	480 V	3	7.2 A	3/4"	1	3	12	12	CB	15 A	Yes	Mech Coordination	2 A	CONN. FACTORY RECEP.
RT	2	ROOFTOP	0.00	0 A	9 A	0 VA	480 V	3	7.2 A	3/4"	1	3	12	12	CB	15 A	Yes	Mech Coordination	2 A	CONN. FACTORY RECEP.
RT	3	ROOFTOP	0.00	0 A	12 A	0 VA	480 V	3	9.6 A	3/4"	1	3	12	12	CB	15 A	Yes	Mech Coordination	2 A	CONN. FACTORY RECEP.
RT	4	ROOFTOP	0.00	0 A	12 A	0 VA	480 V	3	9.6 A	3/4"	1	3	12	12	CB	15 A	Yes	Mech Coordination	2 A	CONN. FACTORY RECEP.
RT	5	ROOFTOP	0.00	0 A	17 A	0 VA	480 V	3	13.6 A	3/4"	1	3	12	12	CB	25 A	Yes	Mech Coordination	2 A	CONN. FACTORY RECEP.
RT	6	ROOFTOP	0.00	0 A	17 A	0 VA	480 V	3	13.6 A	3/4"	1	3	12	12	CB	25 A	Yes	Mech Coordination	2 A	CONN. FACTORY RECEP.
RT	7	ROOFTOP	0.00	0 A	12 A	0 VA	480 V	3	9.6 A	3/4"	1	3	12	12	CB	15 A	Yes	Mech Coordination	2 A	CONN. FACTORY RECEP.
RT	8	ROOFTOP	0.00	0 A	12 A	0 VA	480 V	3	9.6 A	3/4"	1	3	12	12	CB	15 A	Yes	Mech Coordination	2 A	CONN. FACTORY RECEP.
RT	9	ROOFTOP	0.00	0 A	12 A	0 VA	480 V	3	9.6 A	3/4"	1	3	12	12	CB	15 A	Yes	Mech Coordination	2 A	CONN. FACTORY RECEP.
RT	10	ROOFTOP	0.00	0 A	9 A	0 VA	480 V	3	7.2 A	3/4"	1	3	12	12	CB	15 A	Yes	Mech Coordination	2 A	CONN. FACTORY RECEP.
RT	11	ROOFTOP	0.00	0 A	12 A	0 VA	480 V	3	9.6 A	3/4"	1	3	12	12	CB	15 A	Yes	Mech Coordination	2 A	CONN. FACTORY RECEP.
RT	12	ROOFTOP	0.00	0 A	9 A	0 VA	480 V	3	7.2 A	3/4"	1	3	12	12	CB	15 A	Yes	Mech Coordination	2 A	CONN. FACTORY RECEP.
RT	13	ROOFTOP	0.00	0 A	12 A	0 VA	480 V	3	9.6 A	3/4"	1	3	12	12	CB	15 A	Yes	Mech Coordination	2 A	CONN. FACTORY RECEP.
RT	14	ROOFTOP	0.00	0 A	12 A	0 VA	480 V	3	9.6 A	3/4"	1	3	12	12	CB	15 A	Yes	Mech Coordination	2 A	CONN. FACTORY RECEP.
RT	15	ROOFTOP	0.00	0 A	12 A	0 VA	480 V	3	9.6 A	3/4"	1	3	12	12	CB	15 A	Yes	Mech Coordination	2 A	CONN. FACTORY RECEP.
RT	16	ROOFTOP	0.00	0 A	12 A	0 VA	480 V	3	9.6 A	3/4"	1	3	12	12	CB	15 A	Yes	Mech Coordination	2 A	CONN. FACTORY RECEP.
RT	17	ROOFTOP	0.00	0 A	9 A	0 VA	480 V	3	7.2 A	3/4"	1	3	12	12	CB	15 A	Yes	Mech Coordination	2 A	CONN. FACTORY RECEP.
RT	18	ROOFTOP	0.00	0 A	12 A	0 VA	480 V	3	9.6 A	3/4"	1	3	12	12	CB	15 A	Yes	Mech Coordination	2 A	CONN. FACTORY RECEP.
RT	19	ROOFTOP	0.00	0 A	12 A	0 VA	480 V	3	9.6 A	3/4"	1	3	12	12	CB	15 A	Yes	Mech Coordination	2 A	CONN. FACTORY RECEP.
RT	20	ROOFTOP	0.00	0 A	12 A	0 VA	480 V	3	9.6 A	3/4"	1	3	#12	12	CB	15 A	Yes	Mech Coordination	2 A	CONN. FACTORY RECEP.
RT	21	ROOFTOP	0.00	0 A	9 A	0 VA	480 V	3	7.2 A	3/4"	1	3	#12	12	CB	15 A	Yes	Mech Coordination	2 A	CONN. FACTORY RECEP.
RT	22	ROOFTOP	0.00	0 A	12 A	0 VA	480 V	3	9.6 A	3/4"	1	3	#12	12	CB	15 A	Yes	Mech Coordination	2 A	CONN. FACTORY RECEP.
RT	23	ROOFTOP	0.00	0 A	9 A	0 VA	480 V	3	7.2 A	3/4"	1	3	#12	12	CB	15 A	Yes	Mech Coordination	2 A	CONN. FACTORY RECEP.
RT	24	ROOFTOP	0.00	0 A	9 A	0 VA	480 V	3	7.2 A	3/4"	1	3	#12	12	CB	15 A	Yes	Mech Coordination	2 A	CONN. FACTORY RECEP.
RT	25	ROOFTOP	0.00	0 A	9 A	0 VA	480 V	3	7.2 A	3/4"	1	3	#12	12	CB	15 A	Yes	Mech Coordination	2 A	CONN. FACTORY RECEP.
WH	1	WATER HEATER	0.00	8 A	0 A	0 VA	120 V	1	8.0 A	3/4"	1	2	#12	12	CB	15 A	No	Mech Coordination	12 A	

SENSOR GENERAL NOTES

1. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE SENSOR MANUFACTURER FOR PROPER PLACEMENT AND ADJUSTMENT OF OCCUPANCY SENSORS.
2. PROVIDE DUAL TECHNOLOGY OCCUPANCY SENSORS AS SHOWN. LOCATE OCCUPANCY SENSORS PER MANUFACTURER FOR PROPER PLACEMENT AND ADJUSTMENT OF OCCUPANCY SENSORS. PROVIDE ADDITIONAL SENSORS IF REQUIRED TO PROPERLY COVER THE RESPECTIVE ROOM.
3. EACH ZONE SHALL HAVE COVERAGE BY OCCUPANCY SENSOR SUCH THAT NO BLIND SPOT EXIST.
4. UPON COMPLETION OF THE INSTALLATION, THE SYSTEM SHALL BE COMPLETELY COMMISSIONED BY THE MANUFACTURER'S FACTORY AUTHORIZED TECHNICIAN WHO WILL VERIFY ALL ADJUSTMENTS AND SENSOR PLACEMENT TO ENSURE A TROUBLE FREE INSTALLATION.
5. THE LOCATION AND QUANTITIES OF SENSORS SHOWN ON THE DRAWINGS ARE DIAGRAMMATIC AND INDICATE ONLY THE ROOMS WHICH ARE TO BE PROVIDED WITH SENSORS. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ADDITIONAL SENSORS IF REQUIRED TO PROPERLY COVER THE RESPECTIVE ROOM.
6. PROVIDE DAYLIGHT ZONE CONTROL REQUIREMENTS PER IECC-2018 C405.2.2.3 LOCATE DAYLIGHT SENSORS PER MANUFACTURER'S RECOMMENDATION AND WHERE REQUIRED WITHIN THE ROOM FOR PROPER COVERAGE.
7. PROVIDE OCCUPANCY SENSOR WITH AN ADDITIONAL SET OF DRY CONTACTS FOR HVAC CONTROL AT EACH VAV BOX LOCATION. COORDINATE WITH MECHANICAL DRAWINGS AND THE MECHANICAL CONTRACTOR FOR EXACT LOCATIONS.

LIGHTING CONTROL INTENT NARRATIVE (IECC 2021 COMPLIANT)

THE DRAWINGS SHOW GENERAL ZONING INTENT. THE BIDDING CONTRACTOR ALONG WITH THE LIGHTING CONTROLS MANUFACTURER IS RESPONSIBLE FOR PROVIDING A SYSTEM WITH THE FEATURES NECESSARY AND MUST BE CAPABLE OF MEETING THE INTENT. THE MANUFACTURER'S REPRESENTATIVE FOR DIVISION 26 AND BIDDING CONTROLS SHALL BE ACCOUNTABLE FOR THE COMPREHENSIVE LIGHTING CONTROLS PACKAGE'S FINALIZATION IN ALIGNMENT WITH THE DESIGN INTENT DEPICTED IN THE DRAWINGS AND COMPLYING WITH IECC 2021 REQUIREMENTS. THE LIGHTING REPRESENTATIVE IS REQUIRED TO FURNISH EXHAUSTIVE SHOP DRAWINGS, ELUCIDATING THE LIGHTING CONTROL SYSTEM'S TOPOLOGY AND THE ESSENTIAL CONNECTIONS NECESSARY FOR ITS PROPER FUNCTIONING.

MULTI-PURPOSE DIVISIBLE SPACE:
THIS NARRATIVE OUTLINES THE LIGHTING CONTROL SYSTEM FOR A MULTIPURPOSE SPACE DIVISIBLE INTO FOUR EQUAL ROOMS. EACH DIVISIBLE ROOM FEATURES TWO ZONES OF LED LIGHTING - LINEAR PENDANTS AND PERIMETER CYLINDER LIGHTS. THE CONTROL SYSTEM IS DESIGNED TO PROVIDE INDEPENDENT OPERATION OF EACH ROOM WHEN SEPARATED AND UNIFIED CONTROL WHEN ROOMS ARE COMBINED.

CONTROL SYSTEM:
- **ROOM-LEVEL CONTROL:** EACH ROOM IS EQUIPPED WITH EITHER A TOUCHPANEL OR A LUTRON GRAFIK EYE CONTROLLER FOR LOCAL OPERATION OF THE LIGHTING ZONES WITHIN THAT ROOM.
- **CENTRALIZED CONTROL:** A CENTRAL LIGHTING CONTROL SYSTEM OVERSEES THE ENTIRE SPACE, CAPABLE OF RECOGNIZING THE OPEN/CLOSED STATUS OF PARTITIONS USING PARTITION SENSORS PROVIDED BY THE ELECTRICAL CONTRACTOR.
- **UNIFIED OPERATION:** WHEN PARTITIONS ARE OPEN TO COMBINE ROOMS, THE CENTRAL CONTROL SYSTEM UNIFIES THE LIGHTING CONTROL ACROSS THE COMBINED SPACE. THE TOUCHPANELS/GRAFIK EYE CONTROLLERS IN THE COMBINED SPACE WILL SEAMLESSLY OPERATE THE LIGHTING FOR THE ENTIRE AREA.
- **INDEPENDENT OPERATION:** WHEN PARTITIONS ARE CLOSED, EACH ROOM OPERATES INDEPENDENTLY. THE TOUCHPANEL/GRAFIK EYE CONTROLLER IN EACH ROOM WILL ONLY CONTROL THE LIGHTING WITHIN THAT SPECIFIC ROOM.

LIGHTING FUNCTIONALITY:
- **0-10V DIMMING:** ALL LED LIGHTING FIXTURES ARE CONTROLLED VIA 0-10V DIMMING, ALLOWING FOR SMOOTH AND PRECISE ADJUSTMENTS OF LIGHT LEVELS.
- **BASIC CONTROLS:** ON/OFF, RAISE/LOWER CONTROLS ARE PROVIDED FOR ADJUSTING LIGHTING LEVELS.
- **SCENE CONTROL:** PRE-PROGRAMMED LIGHTING SCENES ARE AVAILABLE TO CATER TO DIFFERENT ACTIVITIES WITHIN THE SPACE, SUCH AS:
- **GENERAL LIGHTING:** BALANCED LIGHTING FOR EVERYDAY USE.
- **PRESENTATION MODE:** OPTIMIZED LIGHTING FOR PRESENTATIONS AND AV USE.
- **TASK LIGHTING:** INCREASED LIGHTING LEVELS FOR SPECIFIC TASKS.
- **ZONE CONTROL:** INDIVIDUAL CONTROL OF LINEAR PENDANTS AND PERIMETER CYLINDER LIGHTS WITHIN EACH ROOM/COMBINED SPACE.

PARTITION SENSORS:
THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND INSTALLING PARTITION SENSORS THAT INTERFACE WITH THE CENTRAL LIGHTING CONTROL SYSTEM. THESE SENSORS ARE CRUCIAL FOR THE SYSTEM TO ACCURATELY RECOGNIZE THE CONFIGURATION OF THE SPACE AND ENABLE APPROPRIATE LIGHTING CONTROL.

INTEGRATION AND FLEXIBILITY:
THE LIGHTING CONTROL SYSTEM IS DESIGNED TO BE FLEXIBLE AND ADAPTABLE TO FUTURE CHANGES IN THE SPACE CONFIGURATION. ADDITIONAL LIGHTING ZONES OR CONTROL POINTS CAN BE EASILY INTEGRATED INTO THE SYSTEM AS NEEDED.

NOTE: SPECIFIC CONTROLLER MODELS, PROGRAMMING DETAILS, AND WIRING REQUIREMENTS WILL BE DETERMINED BY THE LIGHTING SUPPLIER AND SHALL OPERATE AS NOTED WITH PROVIDE LIGHTING FIXTURES AND THE OVERALL PROJECT REQUIREMENTS.

THIS COMPREHENSIVE LIGHTING CONTROL SYSTEM WILL PROVIDE INTUITIVE AND FLEXIBLE CONTROL OF THE MULTIPURPOSE SPACE, ENHANCING ITS FUNCTIONALITY AND ADAPTABILITY TO VARIOUS ACTIVITIES AND EVENTS.

GENERAL NOTES

1. PROGRAM SYSTEM TO MEET THE REQUIREMENTS OF IECC 2021 OR CURRENT ENERGY CODE.
2. CONFIRM SWITCHING AND PROGRAMMING SCHEME WITH OWNER PRIOR TO PROGRAMMING.
3. PROGRAM SYSTEM TO INCORPORATE AUTO DAYLIGHT SAVINGS ADJUSTMENTS, ASTRONOMICAL CLOCK WITH OFFSETS, HOLIDAY DATES, AND NETWORK OVERRIDE.
4. REFER TO WALLSTATION DIAGRAMS FOR FACTORY ENGRAVED LABELING FOR ALL INDIVIDUAL PUSH-BUTTONS. DEVICE AND COVERPLATE COLORS SELECTED BY ARCHITECT.
5. SUBMIT ALL WALLSTATION LAYOUTS, ENGRAVING AND CONTROL SEQUENCES DURING THE SHOP DRAWINGS REVIEW PROCESS.
6. PROVIDE RELAY BARRIER FOR VOLTAGE AND POWER SOURCE SEPARATION (EMERGENCY AND NORMAL CIRCUITS, VOLTAGE DIFFERENCES).
7. PROGRAM NORMAL AND EMERGENCY RELAYS IN RELATED CORRIDORS TO OPERATE TOGETHER.
8. ALL RELAYS REQUIRING DIMMING AND/OR DAYLIGHT HARVESTING SHALL UTILIZE 0-10V DIMMING. PROVIDE 0-10VDIMMING WIRING AND CONTROLS AS REQUIRED.
9. PROVIDE A MINIMUM OF (5) SPARE RELAYS.
10. SYSTEM MUST INTERFACE WITH NEW OR EXISTING ENERGY MANAGEMENT SYSTEM/BMS. PROVIDE SYSTEM CONSISTING OF MONITOR(S), COMMUNICATIONS EQUIPMENT, A CONTROLLER(S), TIMER(S), OR OTHER DEVICE(S) THAT MONITOR AND/OR CONTROL AN ELECTRICAL LOAD OR POWER PRODUCTION OR STORAGE SOURCE. COORDINATE EXACT TIE-IN POINTS AND COMMUNICATION PROTOCOL/MODULES REQUIRED. PROGRAM ACCORDINGLY AND PER OWNERS REQUIREMENTS.

LIGHTING CONTROL INTENT NARRATIVE (IECC 2021 COMPLIANT)

THE DRAWINGS SHOW GENERAL ZONING INTENT. THE BIDDING CONTRACTOR ALONG WITH THE LIGHTING CONTROLS MANUFACTURER IS RESPONSIBLE FOR PROVIDING A SYSTEM WITH THE FEATURES NECESSARY AND MUST BE CAPABLE OF MEETING THE INTENT. THE MANUFACTURER'S REPRESENTATIVE FOR DIVISION 26 AND BIDDING CONTROLS SHALL BE ACCOUNTABLE FOR THE COMPREHENSIVE LIGHTING CONTROLS PACKAGE'S FINALIZATION IN ALIGNMENT WITH THE DESIGN INTENT DEPICTED IN THE DRAWINGS AND COMPLYING WITH IECC 2021 REQUIREMENTS. THE LIGHTING REPRESENTATIVE IS REQUIRED TO FURNISH EXHAUSTIVE SHOP DRAWINGS, ELUCIDATING THE LIGHTING CONTROL SYSTEM'S TOPOLOGY AND THE ESSENTIAL CONNECTIONS NECESSARY FOR ITS PROPER FUNCTIONING.

GENERAL PRINCIPLES:
- ALL INDOOR AND OUTDOOR LIGHTING WILL BE CONTROLLED BY A SYSTEM THAT PRIORITIZES ENERGY EFFICIENCY AND OCCUPANT COMFORT, MEETING IECC 2021 REQUIREMENTS.
- LIGHTING WILL PRIMARILY FOLLOW A MASTER CLOCK SCHEDULE PROVIDED BY THE OWNER, WITH MANUAL OVERRIDE THROUGH TOUCH PANELS FOR FINE-TUNING.
- 0-10V DIMMING WILL BE AVAILABLE ON ALL APPLICABLE LUMINAIRES FOR SMOOTH LIGHT LEVEL ADJUSTMENTS.
- OCCUPANCY SENSORS WILL AUTOMATICALLY DIM LIGHTS TO PRESET LEVELS (50% FOR CORRIDORS, STAIRWELLS, VESTIBULES) AFTER PERIODS OF INACTIVITY (15 MINUTES).
- DAYLIGHT SENSORS WILL FURTHER ADJUST LIGHT LEVELS IN DESIGNATED ZONES BASED ON AVAILABLE NATURAL LIGHT.

SPECIFIC AREAS:

CLASSROOMS, TEAM ROOMS, LEARNING STUDIOS:
- ROOM CONTROLLER BASED SYSTEM WITH OCCUPANCY AND DAYLIGHT SENSORS THAT MANAGE CLASSROOM LIGHTING.
- ENTERING THE SPACE TRIGGERS THE SENSORS, TURNING LIGHTS ON TO 50% BRIGHTNESS.
- OCCUPANTS CAN SET DESIRED LIGHT LEVELS FROM PRE-PROGRAMMED SCENES THROUGH THE WALL STATIONS.
- DAYLIGHT SENSORS WILL AUTOMATICALLY ADJUST LIGHT LEVELS IN DESIGNATED ZONES (PRIMARY AND SECONDARY) BASED ON NATURAL LIGHT AVAILABILITY.
- LIGHTS TURN OFF AUTOMATICALLY AFTER VACANCY OR A PRESET TIMEOUT PERIOD.
- EMERGENCY LUMINAIRES OPERATE ON THE SAME CIRCUIT AS NORMAL CLASSROOM LIGHTS.
- IN CASE OF A POWER FAILURE, DESIGNATED EMERGENCY LUMINAIRE(S)AUTOMATICALLY SWITCH TO 100% BRIGHTNESS.

RC1 WALLSTATION:
oALL ON: TURNS ALL LIGHTING RELAYS ON, BRINGING ALL DIMMING ZONES TO 100%.
oRAISE & LOWER (PRESS AND HOLD): INCREASES OR DECREASES THE BRIGHTNESS OF ALL DIMMING ZONES.
oALL OFF: TURNS OFF ALL LIGHTING LOADS.

RC2 WALLSTATION:
oALL ON: TURNS ALL LIGHTING RELAYS ON, BRINGING ALL DIMMING ZONES TO 100%.
oTEACHING WALL/AV SCREEN: TURNS OFF LIGHTING NEAR THE TEACHING WALL/AV SCREEN AND DIMS ALL OTHER ZONES TO 20%.
oQUIET TIME: SETS ALL DIMMING ZONES TO 40% BRIGHTNESS.
oRAISE & LOWER (PRESS AND HOLD): INCREASES OR DECREASES THE BRIGHTNESS OF ALL DIMMING ZONES.
oALL OFF: TURNS OFF ALL LIGHTING LOADS.

RC5 WALLSTATION:
oALL ON: TURNS ALL LIGHTING RELAYS ON, BRINGING ALL DIMMING ZONES TO 100%.
oPENDANTS: TOGGLES ON/OFF PENDANT LINEAR LIGHTS.
o2X4: TOGGLES ON/OFF 2X4 LIGHTS.
oQUIET TIME: SETS ALL DIMMING ZONES TO 40% BRIGHTNESS.
oRAISE & LOWER (PRESS AND HOLD): INCREASES OR DECREASES THE BRIGHTNESS OF ALL DIMMING ZONES.
oALL OFF: TURNS OFF ALL LIGHTING LOADS.

RECEPTION AREAS AND CONFERENCE ROOM:
- TYPICAL ROOM CONTROLLER BASED SYSTEM:

RC1 WALLSTATION:
oALL ON: TURNS ALL LIGHTING RELAYS ON, BRINGING ALL DIMMING ZONES TO 100%.
oRAISE & LOWER (PRESS AND HOLD): INCREASES OR DECREASES THE BRIGHTNESS OF ALL DIMMING ZONES.
oALL OFF: TURNS OFF ALL LIGHTING LOADS.

RC6 WALLSTATION:
oALL ON: TURNS ALL LIGHTING RELAYS ON, BRINGING ALL DIMMING ZONES TO 100%.
oRECEPT: TOGGLES ON/OFF LIGHTS IN RECEPTION AREA/.
oWAITING: TOGGLES ON/OFF LIGHTS IN WAITING AREA.
oOFFICE: TOGGLES ON/OFF LIGHTS IN OFFICE AREA.
oRAISE & LOWER (PRESS AND HOLD): INCREASES OR DECREASES THE BRIGHTNESS OF ALL DIMMING ZONES.
oALL OFF: TURNS OFF ALL LIGHTING LOADS.

RC7 WALLSTATION:
oALL ON: TURNS ALL LIGHTING RELAYS ON, BRINGING ALL DIMMING ZONES TO 100%.
oOPEN: TOGGLES ON/OFF LIGHTS IN OPEN AREA.
oRECEPT: TOGGLES ON/OFF LIGHTS IN RECEPTION AREA.
oRAISE & LOWER (PRESS AND HOLD): INCREASES OR DECREASES THE BRIGHTNESS OF ALL DIMMING ZONES.
oALL OFF: TURNS OFF ALL LIGHTING LOADS.

PROVIDE SEPERATE DIMMING CONTROLS FOR THE RECEPTION AREAS.

RC8 WALLSTATION:
oALL ON: TURNS ALL LIGHTING RELAYS ON, BRINGING ALL DIMMING ZONES TO 100%.
oAV MODE: TURNS OFF MAINS LIGHTS AND TURNS ON COVE LIGHTS TO 100%.
oMAIN: TOGGLES ON/OFF MAIN LIGHTS (b)
oCOVE: TOGGLES ON/OFF COVE LIGHTS (a) .
oRAISE & LOWER (PRESS AND HOLD): INCREASES OR DECREASES THE BRIGHTNESS OF ALL DIMMING ZONES.
oALL OFF: TURNS OFF ALL LIGHTING LOADS.

RC9 WALLSTATION:
oALL ON: TURNS ALL LIGHTING RELAYS ON, BRINGING ALL DIMMING ZONES TO 100%.
oRECEPT: TOGGLES ON/OFF LIGHTS IN RECEPTION AREA (a) .
oCORR: TOGGLES ON/OFF LIGHTS IN CORRIDOR AND PRINTING AREA (c).
oWALL: TOGGLES ON/OFF LIGHTS IN RECEPTION AREA.
oRAISE & LOWER (PRESS AND HOLD): INCREASES OR DECREASES THE BRIGHTNESS OF ALL DIMMING ZONES (a) AND (b).
oALL OFF: TURNS OFF ALL LIGHTING LOADS.

STUDENT COMMONS AREA:
- RELAY CONTROLLED LIGHT FIXTURE:

RC10 WALLSTATION:
oALL ON: TURNS ALL LIGHTING RELAYS ON, BRINGING ALL DIMMING ZONES TO 100%.
oSCENE 1: TBD.
oSCENE 2: TBD.
oRAISE & LOWER (PRESS AND HOLD): INCREASES OR DECREASES THE BRIGHTNESS OF ALL DIMMING ZONES.
oALL OFF: TURNS OFF ALL LIGHTING LOADS.

WASHROOMS:
- OCCUPANCY: LIGHTS AUTOMATICALLY TURN ON TO DAYLIGHT LEVEL WHEN USER ENTERS, AND LIGHTS WILL AUTOMATICALLY TURN OFF 15 MINUTES AFTER VACATED.

RC3 WALLSTATION:
oALL ON: TURNS ALL LIGHTING RELAYS ON, BRINGING ALL DIMMING ZONES TO 100%.
oALL OFF: TURNS OFF ALL LIGHTING LOADS.

OFFICES, TESTING, ETC:
- WALL MOUNTED OCCUPANCY WALLSTATION WITH DAYLIGHTING AND 0-10V DIMMER; LIGHTS AUTOMATICALLY TURN ON TO DAYLIGHT LEVEL WHEN USER ENTERS, AND LIGHTS WILL AUTOMATICALLY TURN OFF 15 MINUTES AFTER VACATED.
- TOGGLE CONTROL BETWEEN ON/OFF. 0-10V DIMMING, RAISE AND LOWER.

VESTIBULES:
- RELAY CONTROLLED. MASTER CLOCK SCHEDULE BY OWNER. PROGRAM ACCORDINGLY.
- LIGHTING FOLLOWS THE MASTER CLOCK SCHEDULE AND TOUCH PANEL OVERRIDES AS DEFINED ABOVE.
- OCCUPANCY SENSORS TRIGGER CORRIDOR RELAY TO DIM ALL LIGHTS TO 50% AFTER 15 MINUTES OF VACANCY.
- DAYLIGHTING SENSORS IN DESIGNATED ZONES ADJUST LIGHT LEVELS BASED ON AVAILABLE NATURAL LIGHT.
- OCCUPANCY SENSOR PLACEMENT WILL FOLLOW MANUFACTURER RECOMMENDATIONS FOR OPTIMAL DETECTION.

EGRESS VESTIBULES:
- RELAY CONTROLLED. MASTER CLOCK SCHEDULE BY OWNER. PROGRAM ACCORDINGLY.
- SAME OPERATION AS VESTIBULES, BUT EGRESS LIGHTS REMAIN ON AT 30% AFTER BUILDING CLOSURE.
- MOTION SENSORS ACTIVATE EGRESS LIGHTS TO 100% FOR 20 MINUTES AFTER DETECTING MOVEMENT, THEN DIM BACK TO 30% ON VACANCY.
- LIGHTS REMAIN AT 30% UNTIL SCHEDULED BUILDING OPENING.

CORRIDORS:
- RELAY CONTROLLED. MASTER CLOCK SCHEDULE BY OWNER. PROGRAM ACCORDINGLY.
- SAME OPERATION AS VESTIBULES, WITH 50% DIM LEVEL TRIGGERED BY OCCUPANCY SENSORS AFTER 15 MINUTES OF INACTIVITY.
- DAYLIGHTING SENSORS ADJUST LIGHT LEVELS AS DESCRIBED ABOVE.

EGRESS CORRIDORS:
- SAME OPERATION AS CORRIDORS, BUT EGRESS LIGHTS REMAIN ON AT 30% AFTER BUILDING CLOSURE.
- MOTION SENSORS ACTIVATE EGRESS LIGHTS TO 100% FOR 20 MINUTES AFTER DETECTING MOVEMENT, THEN DIM BACK TO 30% ON VACANCY.
- LIGHTS REMAIN AT 30% UNTIL SCHEDULED BUILDING OPENING.

EXTERIOR PARKING LOT:
- FOLLOWS THE MASTER CLOCK SCHEDULE WITH ASTRONOMICAL OVERRIDE (DUSK ON/11:00 PM OFF, 6 AM ON/DAWN OFF).
- SITE POLES HAVE STANDALONE DIMMING OCCUPANCY SENSORS THAT DIM TO 20% AFTER 10 MINUTES OF NO ACTIVITY.

BUILDING ENTRY SOFFITS AND FLAG POLE:
- FOLLOWS THE MASTER CLOCK SCHEDULE WITH ASTRONOMICAL OVERRIDE (DUSK ON AND DAWN OFF) AND ADDITIONAL OVERRIDE (DUSK ON/11:00 PM OFF, 6 AM ON/DAWN OFF).

BUILDING FAÇADE/WALL PACKS:
- FOLLOWS THE MASTER CLOCK SCHEDULE WITH TOUCH PANEL OVERRIDE AND ASTRONOMICAL OVERRIDE (DUSK ON).
- LIGHTS DIM TO 50% AFTER 10 PM AND TURN OFF AT DAWN.

COMPLIANCE:
THIS NARRATIVE OUTLINES A LIGHTING CONTROL SYSTEM THAT COMPLIES WITH THE LATEST IECC 2021 REQUIREMENTS, EMPHASIZING AUTOMATED CONTROLS, DAYLIGHT HARVESTING, AND ENERGY-EFFICIENT DIMMING BASED ON OCCUPANCY AND AMBIENT LIGHT LEVELS. THIS APPROACH HELPS MINIMIZE ENERGY CONSUMPTION WHILE ENSURING ADEQUATE LIGHTING FOR OCCUPANT SAFETY AND COMFORT.

EMERGENCY LIGHTING AND IBC/IECC COMPLIANCE IN ADDITION TO THE STANDARD LIGHTING CONTROL SYSTEM, THE PROJECT WILL INCLUDE AN EMERGENCY LIGHTING SYSTEM DESIGNED TO MEET THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE (IBC) AND THE INTERNATIONAL ENERGY CONSERVATION CODE (IECC). THIS SYSTEM PRIORITIZES OCCUPANT SAFETY AND EGRESS DURING POWER OUTAGES.

EMERGENCY LIGHTING FEATURES:
- DEDICATED CIRCUITS: EMERGENCY LUMINAIRES WILL BE CONNECTED TO SEPARATE, DEDICATED CIRCUITS THAT ARE NOT AFFECTED BY NORMAL POWER OUTAGES.
- AUTOMATIC ACTIVATION: UPON DETECTION OF A POWER FAILURE, EMERGENCY LIGHTS WILL AUTOMATICALLY SWITCH ON TO 100% BRIGHTNESS WITHIN THE FACILITY.
- GENERATOR BACKUP: THE EMERGENCY LIGHTING SYSTEM WILL BE BACKED UP BY A GENERATOR TO ENSURE SUSTAINED OPERATION DURING EXTENDED POWER OUTAGES.
- EXIT PATH ILLUMINATION: EMERGENCY LIGHTING WILL BE STRATEGICALLY PLACED TO EFFECTIVELY ILLUMINATE ALL DESIGNATED EXIT PATHS AND STAIRWELLS, FACILITATING SAFE EVACUATION.
- COMPLIANCE AND INSPECTION: THE EMERGENCY LIGHTING SYSTEM WILL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH IBC AND IECC REQUIREMENTS, AND WILL BE SUBJECT TO REGULAR INSPECTIONS TO ENSURE PROPER FUNCTIONALITY.

ADDITIONAL NOTES:
- THE SPECIFIED TIME DELAYS AND LIGHT LEVELS CAN BE ADJUSTED TO SUIT THE SPECIFIC NEEDS OF THE BUILDING AND OCCUPANTS. AFTER 2 MONTHS OF OCCUPANCY, LIGHTING PROGRAMMER SHALL RETURN TO MAKE ADJUSTMENTS PER THE OWNERS REQUEST.

LIGHT FIXTURE SCHEDULE

LIGHT FIXTURE ABBREVIATION SCHEDULE

PROJECT MANAGER: DRAYTON BAILEY

A.F.F.	ABOVE FINISH FLOOR	SCBA	STANDARD PAINTED COLOR AS SELECTED BY THE ARCHITECT
WALL@CLG	WALL MOUNT AT CORNER OF WALL AND CEILING	CFBA	CUSTOM FINISH AS SELECTED BY THE ARCHITECT
CCBA	CUSTOM PAINTED COLOR AS SELECTED BY THE ARCHITECT	SFBA	STANDARD FINISH AS SELECTED BY THE ARCHITECT

LIGHT FIXTURE GENERAL NOTES

1. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR LOCATIONS OF LIGHT FIXTURES AND, CONFIRM CEILING TYPES WITH LIGHT FIXTURE TRIMS. BRING ALL DISCREPANCIES OF LOCATIONS AND QUANTITIES TO THE ATTENTION OF THE ARCHITECT AND ELECTRICAL ENGINEER PRIOR TO BIDDING.
2. REFER TO ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHTS AND LOCATIONS OF LIGHT FIXTURES. BRING ALL DISCREPENCIES TO THE ATTENTION OF THE ARCHITECT PRIOR TO BIDDING.
3. REFER TO THE SPECIFICATIONS FOR OTHER LIGHT FIXTURE, FUSING, LED DRIVERS, AND LAMP REQUIREMENTS AND ACCEPTABLE MANUFACTURERS.
4. CONFIRM AVAILABLE MOUNTING DEPTHS OF ALL LIGHT FIXTURES AND COMPARE WITH DEPTHS SHOWN ON SHOP DRAWINGS. BRING ALL POTENTIAL CONFLICT AREAS TO THE ATTENTION OF THE ARCHITECT AND ELECTRICAL ENGINEER PRIOR TO RELEASE.
5. REFER TO LIGHTING PLANS FOR ALL LINEAR FIXTURE LENGTHS. THE CATALOG NUMBER IS BASED ON THE FIXTURE SPECIFIED AND MAY NOT REFLECT THE QUANTITY OR OVERALL LENGTH OF LINEAR FIXTURES REQUIRED. CONTRACTOR TO NOTE THAT VARIOUS FIXTURE LENGTHS MAY BE REQUIRED TO ACHIEVE THE OVERALL RUN LENGTH.
6. REFER TO LIGHTING PLANS FOR ALL UNDERCABINET FIXTURE LENGTHS. THE CATALOG NUMBER IS BASED ON THE FIXTURE SPECIFIED AND MAY NOT REFLECT THE QUANTITY OR OVERALL LENGTH OF THE UNDERCABINET FIXTURES REQUIRED. CONTRACTOR TO NOTE THAT VARIOUS FIXTURE LENGTHS MAY BE REQUIRED TO ACHIEVE THE OVERALL RUN LENGTH OR TO FIT WITHIN THE MILLWORK. COORDINATE FIXTURE LAYOUT WITH MILLWORK SHOP DRAWINGS PRIOR TO LIGHTING SUBMITTALS.
7. WHEN A CONTRADICTION EXISTS BETWEEN A SPECIFIC MODEL NUMBER AND THE DESCRIPTION, NOTIFY THE ELECTRICAL ENGINEER AND/OR LIGHTING DESIGNER.
8. PRIOR APPROVALS ARE REQUIRED BEFORE BIDDING THE PROJECT AND SHALL BE SUBMITTED TO THE ELECTRICAL ENGINEER'S OFFICE AT LEAST (8) EIGHT WORKING DAYS BEFORE THE BID. PRIOR APPROVALS RECEIVED AFTER THIS TIME PERIOD SHALL BE...
9. REFER TO SPECIFICATIONS 20 0500, 26 5100 & 26 5600 (16001, 16510 & 16551).
10. VALUE ENGINEERING CONDUCTED WITHOUT THE DESIGN TEAM IE; ARCHITECT, ENGINEER & LIGHTING CONSULTANT/DESIGNER WILL NOT BE ALLOWED, REVIEWED OR APPROVED.

TYPE	DESCRIPTION	MFR.	CATALOG #	VOLTS	TOTAL WATTS	LAMP TYPE	DELIVERED LUMENS	COLOR TEMP	CRI
3PC2	3" LED PENDANT DOWNLIGHT CYLINDER; FIXTURES TO BE HUNG BETWEEN CEILING PANELS, COORDINATE FINAL HEIGHT WITH ARCHITECT; 50 DEGREE OPTICS+HEX+SOLITE LENS; 0-10V DIMMING; 50,000+ HOUR (L70); 5 YR WARRANTY	CSL LIGHTING	LP3-30-40-50-HEX-MP-CCBA-S-NCXX(SCBA)	277 V	30 VA	LED	2,440	4000 K	80+
4PRW	4" WIDE LINEAR RECESSED PERIMETER FILL FIXTURE; EXTRUDED ALUMINUM BODY; FLUSH LENS; FIXTURE LENS SHALL BE CONTINUOUS (NO BREAKS); BUILT TO LENGTH (SEE PLANS); 90 DEGREE PATTERNED CORNER INTERSECTION; CCBA; 60,000+ HOUR (L80); 5 YR. WARRANTY; 0-10V DIMMING; DRYWALL FLANGE KIT	PRUDENTIAL LIGHTING	BPRO4-REG1-LED4-SO-SEE PLANS-SCBA-PFL-WTW-SC-UNV-X3-DM01	277 V	8 VA	890 LM/FT LED, 4000K CCT, 80+ CRI	890	4000 K	80+
5PC4	5" LED PENDANT DOWNLIGHT CYLINDER; FIXTURES TO BE HUNG ABOVE CEILING PANELS, COORDINATE FINAL HEIGHT WITH ARCHITECT; 30 DEGREE OPTICS+SOLITE LENS; 0-10V DIMMING; 50,000+ HOUR (L70); 5 YR WARRANTY	CSL LIGHTING	LP5-30-40-50-MP-MB-S-NCXX(SCBA)	277 V	50 VA	LED	4,252	4000 K	80+
6LBP	6'L U-SHAPED LINEAR DIRECT/INDIRECT PENDANT LED LUMINAIRE; WIDESPREAD OPTICS (D60% / I40%); VERIFY SUSPENSION HEIGHT WITH ARCHITECT; 50,000 HOUR (L70); 0-10 DIMMING; 5 YR WARRANTY	BETA CALCO	BRID2P-SL08-DR3-LPF060-CR80-CTA40-V1-DA01-H1-DT01-HLA03-SCBA-SCBA-SCBA-EO	277 V	48 VA	LED	4,800	4000 K	80+
22LR	2'X2' HIGH PERFORMANCE LED EDGE LIGHT LUMINAIRE; ULTRA-THIN WITH REMOTE DRIVER; NARROW ALUMINUM BEZEL; OPAL PMMA LENS; GLARE-GUARD TECHNOLOGY; RECESSED INTO GRID ARCHITECTURAL CEILING; EASY TO CLEAN; 60,000 HOUR (L70); 5 YR. WARRANTY; 0-10 DIMMING	LITELINE	EDGE-22-H-4-2-UNV	277 V	20 VA	LED	2,200	4000 K	80+
22MR	2'X2' HIGH PERFORMANCE LED EDGE LIGHT LUMINAIRE; ULTRA-THIN WITH REMOTE DRIVER; NARROW ALUMINUM BEZEL; OPAL PMMA LENS; GLARE-GUARD TECHNOLOGY; RECESSED INTO GRID ARCHITECTURAL CEILING; EASY TO CLEAN; 60,000 HOUR (L70); 5 YR. WARRANTY; 0-10 DIMMING	LITELINE	EDGE-22-H-4-2-UNV	277 V	30 VA	LED	3,100	4000 K	80+
A4H	2'X4' RECESSED LED LAY-IN LUMINAIRE; RECESSED INTO ACCESSIBLE ARCHITECTURAL CEILING; EASY TO CLEAN; 60,000 HOUR (L73); 5 YR. WARRANTY; 0-10 DIMMING; FIELD-SELECTABLE LUMEN OUTPUT (HIGH, 4000K)	METALUX	24FPSL2SCT3	277 V	56 VA	6300 LUMEN LED, 4000K CCT, 80+ CRI	6,300	4000 K	80+
A4M	2'X4' RECESSED LED LAY-IN LUMINAIRE; RECESSED INTO ACCESSIBLE ARCHITECTURAL CEILING; EASY TO CLEAN; 60,000 HOUR (L73); 5 YR. WARRANTY; 0-10 DIMMING; FIELD-SELECTABLE LUMEN OUTPUT (MEDIUM, 4000K)	METALUX	24FPSL2SCT3	277 V	50 VA	5564 LUMEN LED, 4000K CCT, 80+ CRI	5,700	4000 K	80+
B2H	2'X2' RECESSED LED LAY-IN LUMINAIRE; RECESSED INTO ACCESSIBLE ARCHITECTURAL CEILING; EASY TO CLEAN; 60,000 HOUR (L73); 5 YR. WARRANTY; 0-10 DIMMING; FIELD-SELECTABLE LUMEN OUTPUT (HIGH, 4000K)	METALUX	22FPSL2SCT3	277 V	31 VA	3500 LUMEN LED, 4000K CCT, 80+ CRI			80+
B2M	2'X2' RECESSED LED LAY-IN LUMINAIRE; RECESSED INTO ACCESSIBLE ARCHITECTURAL CEILING; EASY TO CLEAN; 60,000 HOUR (L73); 5 YR. WARRANTY; 0-10 DIMMING; FIELD-SELECTABLE LUMEN OUTPUT (HIGH, 4000K)	METALUX	22FPSL2SCT3	277 V	22 VA	2460 LUMEN LED, 4000K CCT, 80+ CRI			80+
CUR2	2" WIDE LINEAR PATTERNED LED; RECESSED INTO INACCESSIBLE ARCHITECTURAL CEILING; DRYWALL FLANGE KIT; FLUSH, HIGH EFFICIENCY LENS; FIXTURE LENS SHALL BE CONTINUOUS (NO BREAKS); BUILT TO LENGTH/PATTERN (SEE PLANS); 50,000 HOUR (DRIVER), 117,000 HOUR (L70); 0-10 DIMMING; 5 YR WARRANTY; CCBA	LUMENWERX	CURV2RPAT-D-HLO-SW-80CRI-500-40K-#FT(SEE PLANS)-XXX-XXX-UNV-D1-1C-DMF-CF	277 V	5 VA	500 LUMEN/FT LED, 4.5W/FT, 4000K CCT, 80+ CRI	500	4000 K	80+
CVL	LOW PROFILE LINEAR LED WEDGE RAIL/COVE LUMINAIRE; ULTRA-SLIM 0.5" PROFILE, MOUNTED IN SHALLOW COVE IN CONFERENCE ROOM; ASYMMETRIC DIFFUSED LENS (40° AT 15° TILT); REMOTE DRIVER, LOCATE IN ACCESSIBLE CEILING; 50,000 HOUR (L70); 5 YR. WARRANTY; 0-10 DIMMING; FIELD MEASURE CABINET LENGTH BEFORE ORDERING; CONTRACTOR TO PROVIDE ALL POWER SUPPLIES, CONNECTORS, FEEDS, MOUNTING HARDWARE, DIMMING SWITCHES, ETC. REQUIRED FOR A COMPLETE AND WORKING SYSTEM	XICO	MWE140-#FT(SEE PLANS)-DY-E1-MWH-OA-HE80-40-A4015-350-SMC-XX-XX-UNV-FD01-NN-RXXD(VERIFY WITH FACTORY)-NN	277 V	3 VA	350 LUMEN/FT LED, 3W/FT, 4000K CCT, 80+ CRI	350	4000 K	80+
D4A	4" LED RECESSED ROUND DOWNLIGHT IN INACCESSIBLE CEILING; FRAME + TRIM KIT; SELF-FLANGED; 55,000 HOUR (L90); 5 YR WARRANTY; 0-10 DIMMING; SCBA; MEDIUM DISTRIBUTION	PRESCOLITE	LTR-4RD-H-SL10L-DM1-UNV/LTR-4RD-T-SL40K8MD-SCBA-SCBA-SCBA	277 V	12 VA	1000 LUMEN LED, 4000K CCT, 80+ CRI	1,000	4000 K	80+
L2HP	2" WIDE LINEAR DIRECT/INDIRECT PENDANT LED LUMINAIRE; WIDESPREAD OPTICS; FLUSH LENS; FIXTURE LENS SHALL BE CONTINUOUS (NO BREAKS); BUILT TO LENGTH (SEE PLANS); HANG BETWEEN CEILING BAFFLES; 50,000 HOUR (L70); 0-10 DIMMING; 5 YR WARRANTY	LUMENWERX	VIA2P-DI-WDO-FH-WIO2-SW-80CRI-750LMF-200LMF-40K-#FT(SEE PLANS)-UNV-D1-1C-ACS-CCBA-XX-XX	277 V	8 VA	750 LUMEN/FT DIRECT, 200 LUMEN/FT INDIRECT, 8.3W/FT, 4000K CCT, 80+ CRI	950	4000 K	80+
L2HPP	2" WIDE LINEAR DIRECT/INDIRECT PENDANT LED LUMINAIRE; ASYMMETRIC DIRECT REFRACTIVE OPTIC (POINT INTO THE ROOM), WIDESPREAD INDIRECT OPTIC; FLUSH LENS; FIXTURE LENS SHALL BE CONTINUOUS (NO BREAKS); BUILT TO LENGTH (SEE PLANS); HANG BETWEEN CEILING BAFFLES; 50,000 HOUR (L70); 0-10 DIMMING; 5 YR WARRANTY	LUMENWERX	VIA2P-DI-ARO2-FH-WIO2-SW-80CRI-750LMF-200LMF-40K-#FT(SEE PLANS)-UNV-D1-1C-ACS-CCBA-XX-XX	277 V	8 VA	750 LUMEN/FT DIRECT, 200 LUMEN/FT INDIRECT, 8.3W/FT, 4000K CCT, 80+ CRI	950	4000 K	80+
L2MPD	2" WIDE LINEAR DIRECT PENDANT LED LUMINAIRE; LOW-GLARE OPTIC; FLUSH LENS; FIXTURE LENS SHALL BE CONTINUOUS (NO BREAKS); BUILT TO LENGTH (SEE PLANS); HANG BETWEEN CEILING PANELS; 50,000 HOUR (L70); 0-10 DIMMING; 5 YR WARRANTY	LUMENWERX	VIA2P-D-LGO-FH-WIO2-SW-80CRI-400LMF-40K-#FT(SEE PLANS)-UNV-D1-1C-ACS-CCBA-XX-XX	277 V	6 VA	400 LUMEN/FT DIRECT, 5.7W/FT, 4000K CCT, 80+ CRI	400	4000 K	80+
L2PRD	2" DEEP REGRESSED PERIMETER SLOT SYSTEM LED LUMINAIRE; RECESSED INTO INACCESSIBLE ARCHITECTURAL CEILING; STANDARD DRYWALL FLANGE; FIXTURE LENS SHALL BE CONTINUOUS (NO BREAKS); BUILT TO LENGTH, VERIFY FIELD CONDITIONS; 60,000 HOUR (L80); 5 YR. WARRANTY; 0-10 DIMMING	LUMENWERX	V2PERD-HLO-SW-LED-80CRI-750-40-#FT(SEE PLANS)-XX-XX-UNV-D1-1-DMF-SCBA	277 V	7 VA	750 LUMEN/FT, 6 W/FT, 4000K CCT, 80+ CRI	750	4000 K	80+
L2VPD	2" WIDE LINEAR DIRECT PENDANT LED LUMINAIRE; WIDESPREAD OPTIC; FLUSH LENS; FIXTURE LENS SHALL BE CONTINUOUS (NO BREAKS); BUILT TO LENGTH (SEE PLANS); HANG BETWEEN CEILING PANELS; 50,000 HOUR (L70); 0-10 DIMMING; 5 YR WARRANTY	LUMENWERX	VIA2P-D-WDO-FH-WIO2-SW-80CRI-1000LMF-40K-#FT(SEE PLANS)-UNV-D1-1C-ACS-CCBA-XX-XX	277 V	11 VA	1000 LUMEN/FT DIRECT, 11W/FT, 4000K CCT, 80+ CRI	1,000	4000 K	80+
L4HD	6"X4' HIGH PERFORMANCE LED FLAT PANEL LUMINAIRE; ULTRA-THIN <2-3/8"; GLARE-FREE; NARROW ALUMINUM BEZEL; ACRYLIC LIGHT GUIDE, WHITE FROST LENS WITH SMOOTH PATTERN; SCRATCH AND IMPACT RESISTANT; RECESSED INTO INACCESSIBLE ARCHITECTURAL CEILING; DRYWALL FLANGE KIT; EASY TO CLEAN; 60,000 HOUR (L73); 5 YR. WARRANTY; 0-10 DIMMING; FIELD SELECTABLE LUMEN OUTPUT (HIGH, 4000K)	METALUX	4RBG6-SL1-UNV-L840+DF-64W-U	277 V	36 VA	4195 LUMEN LED, 4000K CCT, 80+ CRI			80+
L4MD	6"X4' HIGH PERFORMANCE LED FLAT PANEL LUMINAIRE; ULTRA-THIN <2-3/8"; GLARE-FREE; NARROW ALUMINUM BEZEL; ACRYLIC LIGHT GUIDE, WHITE FROST LENS WITH SMOOTH PATTERN; SCRATCH AND IMPACT RESISTANT; RECESSED INTO INACCESSIBLE ARCHITECTURAL CEILING; DRYWALL FLANGE KIT; EASY TO CLEAN; 60,000 HOUR (L73); 5 YR. WARRANTY; 0-10 DIMMING; FIELD SELECTABLE LUMEN OUTPUT (MID, 4000K)	METALUX	4RBG6-SL1-UNV-L840+DF-64W-U	277 V	28 VA	3339 LUMEN LED, 4000K CCT, 80+ CRI			80+
L8MD	6"X8' HIGH PERFORMANCE LED FLAT PANEL LUMINAIRE; ULTRA-THIN <2-3/8"; GLARE-FREE; NARROW ALUMINUM BEZEL; ACRYLIC LIGHT GUIDE, WHITE FROST LENS WITH SMOOTH PATTERN; SCRATCH AND IMPACT RESISTANT; RECESSED INTO INACCESSIBLE ARCHITECTURAL CEILING; DRYWALL FLANGE KIT; EASY TO CLEAN; 60,000 HOUR (L73); 5 YR. WARRANTY; 0-10 DIMMING; FIELD SELECTABLE LUMEN OUTPUT (MID, 4000K)	METALUX	8RBG6-SL1-UNV-L840+DF-68W-U	277 V	63 VA	7160 LUMEN LED, 4000K CCT, 80+ CRI			80+
OC13	ARCHITECTURAL 13" LED ROUND CEILING MOUNTED LUMINARIE; REPLACES EXISTING RECESSED LIGHTING FIXTURE IN DRIVE THROUGH CANOPY, COVER EXISTING HOLE COMPLETELY; HIGH IMPACT RESISTANT LENS; MARINE GRADE, CORROSION RESISTANT, DIE-CAST ALUMINUM HOUSING; IP66 RATED; 70,000 HOUR (L70); 5 YR WARRANTY; 0-10 DIMMING	FC LIGHTING	FCW3800-UNV-4K-CRI85-26L-SCBA	277 V	32 VA	LED	2,619	4000 K	85+
OFW	EXTERIOR LED FLOODLIGHT; IP66 WET LISTED; IK07 IMPACT AND VANDAL RESISTANT; ANTI-GLARE VISOR; WIDE OPTICAL DISTRIBUTION; 50,000 HOUR (L70)5 YR WARRANTY; MOUNT TO EXISTING BUILDING AND LOCATE AS HIGH AS POSSIBLE. PROVIDE REQUIRED MOUNTING HARDWARE; AIM TOWARDS FLAGPOLE ACCORDINGLY	LIGMAN	UZA-50011-40W COB-N-W40-SCBA-120/277	277 V	40 VA	LED	3,681	4000 K	80+
OLDH	PREMIUM EXTERIOR LED LINEAR LUMINAIRE (TAPE AND EXTRUSION); .88" W X .64" H; DIFFUSED LENS; WIDE OPTIC; DAMP RATED; COORDINATE OPENING, LOCATION, AND MECHANICALLY FASTEN TO BETWEEN ARCHITECTURAL CEILING AND FRAMING; FIELD MEASURE TO GET ACCURATE SIZES PRIOR TO ORDERING; PROVIDE FACTORY SHOP DRAWINGS SHOWING CONTINUOUS FIXTURE LENGTHS AND ANGLE SUGGESTIONS; REMOTE DRIVERS; VERIFY FIELD CONDITIONS; 60,000 HOUR (L80); 5 YR. WARRANTY; 0-10 DIMMING; SCBA	Q-TRAN	VERS-01-SW-6.0HE-40-DMP-DF-XX-XX-XX-XX-#FT(SEE PLANS)-SCBA+QTM-0-10V DRIVERS/PS	277 V	6 VA	616 LUMEN/FT, 6 W/FT, 4000K CCT, 80+ CRI	616	4000 K	80+
OP2	MEDIUM ARCHITECTURAL AREA LED SITE LUMINAIRE; DIE-CAST & EXTRUDED ALUMINUM HOUSING; TYPE II DISTRIBUTION, FULL CUTOFF; IP66 RATED; HOUSE SIDE SHIELD MUST BE CUPPED OPTIC STYLE; INSTALL HOUSE SIDE SHIELD WHERE INDICATED ON PLANS; DIMMING/DAWN/DUSK MOTION SENSOR, FIELD PROGRAMMABLE OUTPUT BASED ON MOTION, PROGRAMMED PER OWNERS REQUIREMENTS; 100,000 HOUR (L70); 5 YR. WARRANTY; MOUNTED ON A 25' ROUND TAPERED ALUMINUM POLE w/VIBRATION DAMPENING; MAX EPA 5.4 @ 120; LIFETIME WARRANTY ON POLE; SINGLE HEAD LUMINAIRE MOUNTING; SCBA; DLC PREMIUM LISTED	LITHONIA/GENERAL STRUCTURES INC	DSX1-P4-40K-70-T2M-MVOLT-RPA-PIRH-HS(SEE PLANS)-SCBA/CPA-2-8025-25-D1-VD-SCBA	277 V	124 VA	21,490 LUMEN LED, 4000K CCT, 70+ CRI			70+
OP4	MEDIUM ARCHITECTURAL AREA LED SITE LUMINAIRE; DIE-CAST & EXTRUDED ALUMINUM HOUSING; TYPE IVFT DISTRIBUTION, FULL CUTOFF; IP66 RATED; HOUSE SIDE SHIELD MUST BE CUPPED OPTIC STYLE; INSTALL HOUSE SIDE SHIELD WHERE INDICATED ON PLANS; DIMMING/DAWN/DUSK MOTION SENSOR, FIELD PROGRAMMABLE OUTPUT BASED ON MOTION, PROGRAMMED PER OWNERS REQUIREMENTS; 100,000 HOUR (L70); 5 YR. WARRANTY; MOUNTED ON A 25' ROUND TAPERED ALUMINUM POLE w/VIBRATION DAMPENING; MAX EPA 5.4 @120; LIFETIME WARRANTY ON POLE; SINGLE HEAD LUMINAIRE MOUNTING; SCBA; DLC PREMIUM LISTED	LITHONIA/GENERAL STRUCTURES INC	DSX1-P4-40K-70-TFTM-MVOLT-RPA-PIRH-HS(SEE PLANS)-SCBA/CPA-2-8025-25-D1-VD-SCBA	277 V	124 VA	16,000 LUMEN LED, 4000K CCT, 70+ CRI			70+
OP24	MEDIUM ARCHITECTURAL AREA LED SITE LUMINAIRE; DIE-CAST & EXTRUDED ALUMINUM HOUSING; TYPE IV FORWARD THROW AND TYPE II DISTRIBUTION, FULL CUTOFF; IP66 RATED; DIMMING/DAWN/DUSK MOTION SENSOR, FIELD PROGRAMMABLE OUTPUT BASED ON MOTION, PROGRAMMED PER OWNERS REQUIREMENTS; 100,000 HOUR (L70); 5 YR. WARRANTY; MOUNTED ON A 25' ROUND TAPERED ALUMINUM POLE w/VIBRATION DAMPENING; MAX EPA 5.4 @ 120; LIFETIME WARRANTY ON POLE; DUAL HEAD LUMINAIRE MOUNTING; SCBA; DLC PREMIUM LISTED	LITHONIA/GENERAL STRUCTURES INC	DSX1-P4-40K-70-TFTM+T2M-MVOLT-RPA-PIR-SCBA/CPA-2-8025-25-D1-VD-SCBA	277 V	148 VA	19,049+14,458 LUMEN LED, 4000K CCT, 70+ CRI			70+
OP44	MEDIUM ARCHITECTURAL AREA LED SITE LUMINAIRE; DIE-CAST & EXTRUDED ALUMINUM HOUSING; TYPE IV FORWARD THROW AND TYPE IV FORWARD THROW DISTRIBUTION, FULL CUTOFF; IP66 RATED; DIMMING/DAWN/DUSK MOTION SENSOR, FIELD PROGRAMMABLE OUTPUT BASED ON MOTION, PROGRAMMED PER OWNERS REQUIREMENTS; 100,000 HOUR (L70); 5 YR. WARRANTY; MOUNTED ON A 25' ROUND TAPERED ALUMINUM POLE w/VIBRATION DAMPENING; MAX EPA 5.4 @ 120; LIFETIME WARRANTY ON POLE; DUAL HEAD LUMINAIRE MOUNTING; SCBA; DLC PREMIUM LISTED	LITHONIA/GENERAL STRUCTURES INC	DSX1-P4-40K-70-TFTM+TFTM-MVOLT-RPA-PIR-SCBA/CPA-2-8025-25-D1-VD-SCBA	277 V	148 VA	17,800 + 17,800 LUMEN LED, 4000K CCT, 70+ CRI			70+
OW340	ARCHITECTURAL WALL MOUNTED LED SITE LUMINARIE; DIFFUSED DROP LENS; DIE-CAST & EXTRUDED ALUMINUM HOUSING; TYPE 3 DISTRIBUTION, FULL CUTOFF; IP66 RATED; 50,000 HOUR (L70); 5 YR WARRANTY; 0-10 DIMMING	LITHONIA	DSXW1-LED-20C-530-40K-T3M-MVOLT-DDL-SCBA	277 V	35 VA	4,315 LUMEN LED, 4000K CCT, 70+ CRI			80+
P2T	LARGE ARCHITECTURAL AREA LED SITE LUMINAIRE; TYPE II OPTIC; SINGLE HEAD LUMINAIRE MOUNTING DIE-CAST & EXTRUDED ALUMINUM HOUSING; TYPE IV FORWARD THROW DISTRIBUTION, FULL CUTOFF; IP66 RATED; DIMMING/DAWN/DUSK MOTION SENSOR, FIELD PROGRAMMABLE OUTPUT BASED ON MOTION, PROGRAMMED PER OWNERS REQUIREMENTS; 100,000 HOUR (L70); 5 YR. WARRANTY; MOUNTED ON A 30' ROUND TAPERED ALUMINUM POLE w/VIBRATION DAMPENING; MAX EPA 5.4 @ 120; LIFETIME WARRANTY ON POLE; QUADRUPLE HEAD LUMINAIRE MOUNTING; CCBA	LITHONIA/GENERAL STRUCTURES INC		277 V	102 VA	13600 LUMEN LED, 4000K CCT, 70+ CRI			
PBS	DECORATIVE BALLON DISCS PENDANT MOUNTED LED LUMINAIRE; ABSTRACT SHAPE; 50,000 HOUR (L70); 5 YR WARRANTY; 0-10V DIMMING; COORDINATE EXACT SUSPENSION HEIGHT AND ROTATION WITH ARCHITECT, RODS LENGTHS TO BE CUSTOMIZABLE AND REVIEWED DURING SHOP DRAWINGS; COLORS CHOSEN BY ARCHITECT	ZANEEN	D71034-SCBA-SCBA	277 V	38 VA	1500 LUMEN LED, 4000K CCT, 85+ CRI			85+
S8OC	8" ROUND (6" LENS) SURFACE MOUNTED LED LUMINAIRE W/ PIR SENSOR; LOW PROFILE; MOUNTS IN STANDARD 4" DEEP OCTAGONAL JUNCTION BOX; PROVIDE JUNCTION BOX/HOUSING AS REQUIRED; 50,000 HOUR (L70); 5 YR WARRANTY; 0-10 DIMMING; FIELD SELECTABLE CCT (4000K)	VERSALED	SD5-6-15L-277V-MCT-OCS	120 V	15 VA	LED	1,000	4000 K	80+
SL4C	4' LED CHAIN MOUNTED LINEAR STRIPLIGHT; RUGGED ENCLOSED FULLY FROSTED ACRYLIC LENS; 303,000 HOUR (L70); 5 YR. WARRANTY; 0-10 DIMMING	METALUX	4SNLED-LD5-54SL-LW-UNV-L840-CD1-U-AYC-CHAIN/SET	277 V	62 VA	6500 LUMEN LED, 4000K CCT, 80+ CRI			80
SLF	SKYLIGHT MOUNTED LOW-PROFILE LED TAPE+CHANNEL+TILTABLE STANDS LUMINAIRE; FROSTED LENS; BEAM ANGLE 118° REMOTE DRIVER; 50,000 HOUR (L70); 5 YR. WARRANTY; 0-10 DIMMING; MOUNT IN SKYLIGHT CHANNEL INTENDED FOR LIGHT FIXTURE, ANGLE LIGHT FIXTURE OUT AND TOWARDS SKYLIGHT, COORDINATE ROUGH-IN AND REFER TO ARCHITECTURAL DETAILS ON SHEET A335; FIELD MEASURE SKYLIGHT LENGTH BEFORE ORDERING; CONTRACTOR TO PROVIDE ALL POWER SUPPLIES, CONNECTORS, FEEDS, MOUNTING HARDWARE, ETC. REQUIRED FOR A COMPLETE AND WORKING SYSTEM	ACOLYTE	TAPE CHANNEL - CHAS1-C-SV-RB-90-SWS220-6.0-40K-1-FI-TILTSTANDST+DRIVER - DRVW2428810P	277 V	6 VA	500 LUMEN/FT LED, 4.5W/FT, 4000K CCT, 80+ CRI	500	4000 K	80+
X1	UNIVERSAL EDGE-LIT EXIT SIGN; BRUSHED ALUMINUM HOUSING AND BLACK PLASTIC END-CAPS, WITH HIGH GRADE ACRYLIC PANEL; GREEN LETTERING; UNIVERSAL FACE, SINGLE, DOUBLE; UNIVERSAL MOUNTING, SURFACE, RECESSED, OR END-MOUNT; FIELD VERIFY FACE COUNTS AND MOUNTING METHODS; AC ONLY	EMERGI-LITE	PAG6	277 V	2 VA	LED			

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SEAL

PROFESSIONAL ENGINEER
8/29/2024
BRIAN HICKS
No. 7709037-2202
STATE OF UTAH

MHTN PROJECT NO. 2024528

Original drawing is 30 x 42. Do not scale contents of this drawing.

REVISIONS
CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE.

NO. △	DATE	DESCRIPTION
1	9/6/24	Addendum #1
2	09/13/2024	Addendum #2

ISSUE
CONSTRUCTION DOCUMENTS
AUGUST 29, 2024

SHEET NAME
ELECTRICAL SCHEDULES AND NOTES

SHEET NUMBER
E002

Autodesk Docs://2024528 JSD Retail Remodel/24133 - JSD LEARNING Center ELEC V24.rvt
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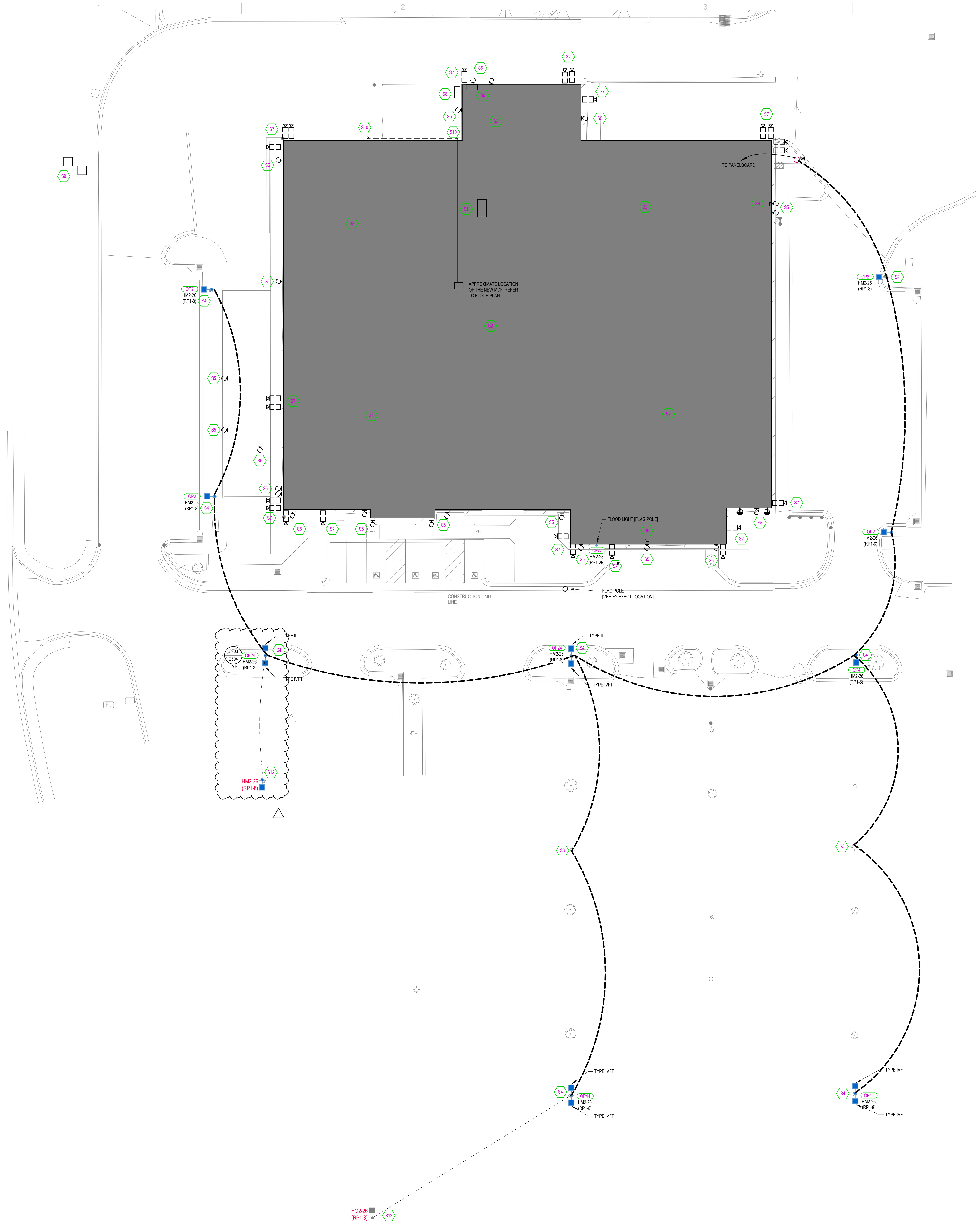


ELECTRICAL SITE PLAN

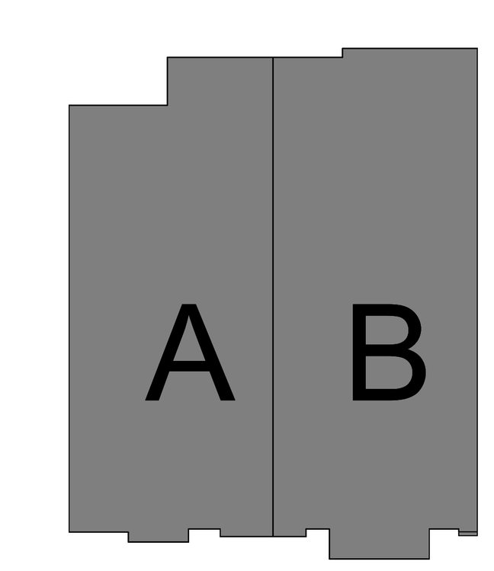
SCALE = 1" = 20'-0"

SITE DEMOLITION GENERAL NOTES

1. DIVISION 26 SHALL VISIT THE SITE PRIOR TO BIDDING. BIDS SHALL SERVE AS EVIDENCE OF KNOWLEDGE OF EXISTING CONDITIONS. BIDDERS SHALL EXAMINE THE SITE AND THE COMPLETE SET OF PLANS AND SPECIFICATIONS COVERING THE ENTIRE PROJECT. THEY SHALL BECOME FULLY CONVERSANT WITH THE TYPE OF GENERAL CONSTRUCTIONS AS WELL AS ALL PERTINENT FACTS AFFECTING THE COST OF CARRYING OUT THE WORK THEY WILL CONTRACT TO PERFORM. DIVISION 26 SHALL COORDINATE PROJECT PHASING WITH THE GENERAL CONTRACTOR AND BID AND PERFORM RESPONSIBILITIES FOR THIS PROJECT TO CONTRACT EXPECTATIONS.
2. DIVISION 26 SHALL CONFIRM EXACT LOCATION OF EXISTING AND NEW EQUIPMENT WITH OWNERS. ROUGH-IN LOCATIONS ARE DIAGRAMMATICALLY SHOWN ON THE DRAWINGS. EXISTING ELECTRICAL FIXTURES, DEVICES, EQUIPMENT, CIRCUITING AND/OR CONDITIONS ARE NOT SPECIFIED UNLESS NOTED ON DRAWINGS. FINAL ROUTING OF THE CONDUITS, CIRCUITING, AND CABLING SHALL BE DETERMINED BY THE CONTRACTOR AND CLOSELY COORDINATED WITH OWNER. ALL EXISTING CONDITIONS MUST BE VERIFIED WITHOUT EXCEPTION.
3. DIVISION 26 SHALL BLUE STAKE THE AREA OF NEW CONSTRUCTION PRIOR TO EXCAVATION FOR FOOTINGS, ETC. IDENTIFY BURIED ELECTRICAL SYSTEMS(UTILITIES, POWER, COMMUNICATIONS, ETC.) AND COORDINATE LOCATIONS WITH THE GENERAL CONTRACTOR. IF EXISTING ELECTRICAL SYSTEMS ARE DISTURBED (POWER, AUXILIARY, ETC.) E.C. SHALL MAKE NECESSARY REPAIRS (AS APPROVED BY DISTRICT REPRESENTATIVE) AS PART OF THIS CONTRACT.
4. CONTRACTOR TO CLOSELY COORDINATE ALL NEW AND EXISTING DEVICE LOCATIONS WITH CIVIL DRAWINGS. CONTRACTOR TO VERIFY ALL FINAL GRADE REQUIREMENTS WITH CIVIL DRAWINGS.
5. COORDINATE DEMOLITION AND PROJECT PHASING REQUIREMENTS WITH THE ENTIRE CONSTRUCTION SET AND GENERAL CONTRACTOR. PROVIDE SELECT DEMOLITION OF ELECTRICAL APPARATUSES IN AREAS SHOWN FOR DEMOLITION. MAKE DEMOLITION ARES SAFE AS REQUIRED. LEAVE ALL EXISTING EQUIPMENT IN PORTIONS OF THE BUILDING, SITE, AND CAMPUS NOT BEING REMODELED AND AREAS NOT YET DEMOLISHED IN WORKING.
6. DURING DEMOLITION AND NEW CONSTRUCTION, THE CONTINUATION OF BUILDING SYSTEMS MAY BE NECESSARY. TRACE AND IDENTIFY EXISTING ELECTRICAL SYSTEM (POWER, LIGHTING, FIRE ALARM AND SECURITY) WIRING IN AREAS PRIOR TO DEMOLITION. ELECTRICAL CONTRACTOR SHALL DISCONNECT ALL NECESSARY EQUIPMENT TO MAKE IT SAFE FOR DEMOLITION. WHERE LIVE CIRCUITS OR FEEDERS PASS THROUGH A REMODEL AREA, CONTRACTOR SHALL MAINTAIN ELECTRIC CONTINUITY TO AND PROTECT BRANCH CIRCUITS AND/OR FEEDERS PASSING THROUGH. WHERE FEEDERS AND/OR BRANCH CIRCUITS FEED BOTH LOADS IN AREMODELED AREA AND OUTSIDE OF A REMODELED AREA, CONTRACTOR SHALL DISCONNECT AND REMOVE PORTIONS OF THE ELECTRICAL BRANCH CIRCUITS AND/OR FEEDERS WITHIN THE REMODELED AREA AND REWORK BRANCH CIRCUITS AND/OR FEEDERS TO MAINTAIN ELECTRICAL CONTINUITY TO LOADS OUTSIDE OF THE REMODELED AREA.
7. DEVICES & EQUIPMENT TO BE DEMOLISHED SHALL BE REMOVED, INCLUDING ALL RELATED CONDUCTORS, RACEWAY, JUNCTION & SPLICE BOXES UP TO THE PANELBOARD/SWITCHBOARD. ALL CONDUITS AND BOXES THAT ARE SURFACE MOUNTED AND NO LONGER REQUIRE ACTIVE CIRCUITS SHALL BE COMPLETELY REMOVED. DEVICES TO BE REMOVED ON DRY WALL OR PLASTER TYPE WALLS THAT ARE TO REMAIN SHALL HAVE THE WALL SURFACE PATCHED TO MATCH THE EXISTING FINISH. THE CONTRACTOR SHALL IDENTIFY ALL DEMOLISHED AND ABANDONED BRANCH CIRCUITS. THESE SHALL BE NOTED AS SPARE ON PANELBOARD SCHEDULES. THIS INCLUDES IDENTIFYING EXISTING ABANDONED AND SPARE CIRCUITS THAT ARE CURRENTLY IDENTIFIED AS USED. THE CONTRACTOR SHALL FURNISH NEW TYPED DIRECTORIES FOR ALL PANELBOARDS.
8. THE OWNER HAS THE RIGHT TO RETAIN ALL SALVAGEABLE MATERIAL. ANY MATERIAL THE OWNER CHOOSES NOT TO ACCEPT SHALL BE REMOVED FROM THE SITE AND DISPOSED OF BY THE CONTRACTOR.
9. FULLY COORDINATE MECHANICAL EQUIPMENT ELECTRICAL CONNECTION REMOVAL AND RELOCATION WITH THE MECHANICAL CONTRACTOR. REFER TO ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING DEMOLITION DRAWINGS FOR ADDITIONAL DEMOLITION INFORMATION.
10. CLOSELY COORDINATE ANY REQUIRED POWER SHUTDOWNS WITH GENERAL, HEAD CUSTODIAN, AND OWNER.
11. MAINTAIN EXISTING UTILITY SERVICES FOR EXISTING FACILITIES AS REQUIRED DURING THE DIFFERENT PHASES OR AS OTHERWISE NOTED. COORDINATE REQUIRED DISRUPTION OF THESE SERVICES WITH OWNER PRIOR TO DISCONNECTING. PROVIDE TEMPORARY UTILITY SERVICES TO KEEP FACILITIES IN OPERATION DURING UTILITY RELOCATION INCLUDING BUT NOT LIMITED TO FIRE WATCHES, ELECTRICAL GENERATORS, ETC.
12. ELECTRICAL UTILITY SERVICE FROM SPANISH FORK CITY POWER (SFCP) HAS BEEN GENERALLY COORDINATED AND GENERAL DIRECTION GIVEN HEREIN. DIVISION 26 RESPONSIBLE TO COMPLETELY COORDINATE THE EXACT PATHWAYS AND REQUIREMENTS WITH SFCP PRIOR TO ROUGH-IN. PROVIDE FIBERGLASS LONG RADIUS SWEEPS FOR ALL SFCP CONDUITS. COORDINATE ALL ROUGH-IN AND INSTALLATION REQUIREMENTS WITH LATEST SFCP ELECTRICAL SERVICE REQUIREMENTS AND CONTACT PERSON PROVIDED ON PLANS.
13. VERIFY ALL EQUIPMENT LOCATIONS ON AND OFF THE SITE NECESSARY FOR SERVICE CONNECTION.
14. TELCO UTILITY SERVICE FROM SPANISH FORK CITY NETWORK (SFCN) HAS BEEN GENERALLY COORDINATED AND GENERAL DIRECTION GIVEN HEREIN. DIVISION 26 RESPONSIBLE TO COMPLETELY COORDINATE THE EXACT PATHWAYS AND REQUIREMENTS WITH PROVIDERS AND OWNER PRIOR TO ROUGH-IN. PROVIDE FIBERGLASS LONG RADIUS SWEEPS FOR ALL CONDUITS. COORDINATE ALL ROUGH-IN AND INSTALLATION REQUIREMENTS WITH CONTACT PERSON PROVIDED ON PLANS. VERIFY ALL EQUIPMENT LOCATIONS ON AND OFF THE SITE NECESSARY FOR SERVICE CONNECTION.
15. TRENCHING AND BACKFILL: LOCATE AND PROTECT EXISTING UTILITIES AND OTHER UNDERGROUND WORK IN A MANNER WHICH WILL ENSURE THAT NO DAMAGE OR SERVICE INTERRUPTIONS WILL RESULT FROM EXCAVATING AND BACKFILLING. PERFORM EXCAVATION IN A MANNER WHICH PROTECTS WALLS, FOOTINGS, AND OTHER STRUCTURAL MEMBERS FROM BEING DISTURBED OR DAMAGED IN ANY WAY. BURIAL DEPTHS MUST COMPLY WITH NEC SECTION 300-5 (OR STATE OF UTAH REQUIREMENTS, WHICHEVER IS MORE STRINGENT), UNLESS NOTED OTHERWISE. PATCH AND REPAIR ROADS, PARKING AREAS, SIDEWALKS, CURBS, OTHER PAVED AREAS, PLANTING AND ANY OTHER DISTURBED AREAS CAUSED BY THE ELECTRICAL CONTRACTOR DURING CONSTRUCTION.
16. BORING, TRENCHING, ASPHALT CUTTING AND PATCH WORK BY DIVISION 26. ANY CONCRETE THAT NEEDS TO BE REMOVED TO COMPLETE WORK WILL BE THE RESPONSIBILITY OF DIVISION 26. SCHEDULING OF THE TRENCHING SHALL BE COORDINATED WITH OTHER TRADES AND APPROVED BY THE OWNER.

SHEET KEYNOTES

S1	DISCONNECT EXISTING ELECTRICAL SWITCHGEAR. AFTER THE DEMO CONTRACTOR HAS REMOVED THE GEAR REMOVE THE CONDUCTORS AND CUT THE CONDUITS OFF FLUSH.
S2	THE INTENT OF THE CONTRACT IS TO DEMOLISH ALL EXISTING ELECTRICAL INSTALLATION. EXISTING RACEWAYS MAY BE REUSED IF THEY MEET THE INTENT OF THE SPECIFICATIONS. COORDINATE WITH THE DEMOLITION CONTRACTOR TO PRESERVE ANY DESIRED RACEWAYS.
S3	AFTER LIGHT POLE BASE IS DELETED EXTEND AND PATCH THE EXISTING CONDUITS AS NECESSARY TO MAINTAIN THE CONDUIT RUNS FOR NEW CIRCUITING.
S4	PROVIDE A NEW LIGHT POLE, FIXTURE AND BASE IN APPROXIMATELY THE SAME LOCATION AS THE EXISTING AND EXTEND THE CONDUIT INTO THE POLE BASE AS REQUIRED. PROVIDE NEW CIRCUITS AS INDICATED.
S5	REMOVE EXISTING EXTERIOR LIGHT FIXTURE.
S6	REMOVE EXTERIOR LIGHT EMERGENCY BATTERY PACK.
S7	REMOVE EXISTING EXTERIOR CAMERA.
S8	DISCONNECT AND REMOVE EXISTING ELECTRICAL SERVICE ENTRANCE METERING AND MAIN SWITCH. COORDINATE AS REQUIRED WITH ROCKY MOUNTAIN POWER FOR ALL REQUIREMENTS. MAINTAIN EXISTING TRANSFORMER.
S9	MAINTAIN EXISTING COMMUNICATIONS GROUND BOXES.
S10	LOCATE THE LOCATION OF THE EXISTING 4" CONDUIT RUN FROM THE COMMUNICATIONS BOXES INTO THE BUILDING. EXTEND 4" CONDUIT TO THE NEW LOCATION AND RISE UP THE EXTERIOR WALL AND STUB INTO THE CEILING SPACE. CONTINUE 4" CONDUIT TO THE MDF ROOM FOR COMMUNICATIONS SERVICE. PROVIDE A NEW PULL STRING FROM THE COMMUNICATIONS BOXES, VERIFY THE CORRECT BOX, TO THE MDF ROOM.
S12	MAINTAIN EXISTING LIGHT POLE AT THE CORNER OF THE PROPERTY (VERIFY EXACT LOCATION). RUN NEW CONDUIT AND WIRE AS REQUIRED FROM THE NEW POLE LOCATION AND RECONNECT AS REQUIRED TO MAINTAIN POWER TO THE EXISTING POLE.



KEY PLAN

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SHEET NAME
ELECTRICAL SITE PLAN

SHEET NUMBER
E101

LIGHTING GENERAL SHEET NOTES

1. DEVICE HEIGHTS SHOWN FOR REFERENCE ONLY. CONTRACTOR TO VERIFY ALL ROUGH- IN ELEVATION HEIGHTS WITH MILLWORK SHOP DRAWINGS PRIOR TO ROUGH-IN. ROUGH- IN DEVICES 6" ABOVE DESKTOPS, COUNTERS, ETC.
2. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR ALL FIXTURE LOCATIONS WITHIN A CEILING OR CEILING GRID. FOR AREAS WITHOUT CEILINGS, FIXTURE LOCATIONS ARE DIAGRAMMATIC. THE INTENT IS TO ALIGN, CENTER, OR SPACE FIXTURES BETWEEN ARCHITECTURAL AND STRUCTURAL ELEMENTS. CONTRACTOR TO PAINT EXPOSED RACEWAY TO MATCH ADJACENT SURFACES.
3. FIELD VERIFY EXACT FIXTURE LENGTHS FOR CONTINUOUS ILLUMINATION FOR COVES AND LINEAR RUNS. PROVIDE CONTINUOUS ILLUMINATION WITH NO MORE THAN A 1" GAP BETWEEN THE END OF THE EDGE OF THE WALL/CEILING AND THE FIXTURE.
4. ELECTRICAL CONTRACTOR TO COORDINATE WITH MECHANICAL CONTRACTOR FOR PLACEMENT OF FIXTURES WITHIN MECHANICAL ROOMS.
5. ALL ROOM CONTROLLERS AND/OR POWER PACKS SHALL BE INSTALLED IN THE CEILING SPACE DIRECTLY ABOVE THE ENTRY DOOR TO THE SPACE IT IS CONTROLLING.
6. ALL COVE AND SKYLIGHTS MUST BE COORDINATED WITH ARCHITECTURAL DETAILS AND GC FOR EXACT LENGTHS.
7. PROVIDE UNSWITCHED NORMAL CIRCUIT HOT LEG TO ALL EMERGENCY POWER CONTROL DEVICES FOR PROPER POWER SENSING.
8. PROVIDE UNSWITCHED HOT AHEAD OF RELAY, OCCUPANCY SENSOR, OR SWITCH TO ALL EXIT SIGNS.
9. IF SHOWN, SUBSCRIPT NEAR LIGHT FIXTURES INDICATES CONTROL INTENT. PROVIDE LIGHTING CONTROLLERS WITH THE REQUIRED NUMBER OF RELAYS/DIMMERS. PROVIDE ADDITIONAL RELAYS/DIMMERS FOR DAYLIGHT ZONES AS NEEDED.
10. PROVIDE 0-10V DIMMER CONDUCTORS FOR ALL AREAS AND/OR ROOMS WHERE 0-10V DIMMING IS INDICATED BY THE RELAY PANEL SCHEDULE, WALL STATION CONTROL SEQUENCE., OR REQUIRED BY IECC 2021.
11. ALL 277V LIGHTING CIRCUITS TERMINATING AT LIGHTING CONTROL PANELS SHALL HAVE A MINIMUM LENGTH OF 20 FEET BETWEEN LIGHTING CONTROL PANEL AND BRANCH LIGHTING PANEL.
12. CAREFULLY COORDINATE FIXTURE PLACEMENT WITHIN BAFFLED CEILINGS. PENDANT MOUNTED FIXTURE SHALL BE MOUNTED AT THE SAME ELEVATION AS BAFFLES. COORDINATE WITH ARCHITECTURAL RCP AND DETAILS PRIOR TO ROUGH-IN.
13. PROVIDE CONDUIT FROM DEVICE TO DEVICE IN OPEN AND/OR EXPOSED CEILINGS. CEILINGS WITH CLOUDS ARE CONSIDERED OPEN/EXPOSED CEILING. NO EXPOSED CABLES SHALL BE SEEN FROM BELOW.
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16. MANUFACTURER'S REPRESENTATIVE FOR DIVISION 26 LIGHTING CONTROLS SHALL BE ACCOUNTABLE FOR THE COMPREHENSIVE LIGHTING CONTROLS PACKAGE'S FINALIZATION IN ALIGNMENT WITH THE DESIGN INTENT DEPICTED IN THE DRAWINGS AND SPECIFICATIONS AND COMPLYING WITH IECC 2021 REQUIREMENTS. THE LIGHTING REPRESENTATIVE IS REQUIRED TO DEVELOP DETAILED SHOP DRAWINGS DEMONSTRATING THE LIGHTING CONTROL SYSTEM'S TOPOLOGY AND THE ESSENTIAL CONNECTIONS NECESSARY FOR ITS PROPER FUNCTIONING. LIGHTING CONTROL DEVICES SHOWN ARE TO PROVIDE GENERAL INTENT ONLY. MANUFACTURE'S REPRESENTATIVE TO PROVIDE ALL ADDITIONAL DEVICES AND MODIFY DEVICE LOCATIONS AS REQUIRED TO MEET IECC 2021 REQUIREMENTS..

SHEET KEYNOTES

L1 MOUNT FIXTURE WITHIN SKYLIGHT CHANNEL WITH FIXTURES ANGLED TO MATCH ANGLE OF SKYLIGHT OPENING. REMOTE DRIVER ABOVE ACCESSIBLE CEILING AS INDICATED. EACH SKYLIGHT HAS A UNIQUE CONSTRUCTION. COORDINATE WITH ARCHITECTURAL SKYLIGHT DETAILS ON A335 FOR MORE INFORMATION. PROVIDE DAYLIGHT ZONE CONTROL REQUIREMENTS PER IECC. LOCATE DAYLIGHT SENSOR(S) PER MANUFACTURER'S RECOMMENDATION AND WHERE REQUIRED WITHIN THE SPACE FOR PROPER COVERAGE. CONTROL LIGHT FIXTURES WITHIN THE DAYLIGHT ZONE WITH DAYLIGHT SENSOR (PHOTODIODE) AND WIRE THE FIXTURES 0-10V DRIVERS ACCORDINGLY.

L2 MOUNT FIXTURES BETWEEN BAFFLES. MATCH BAFFLE HEIGHT.

L3 PROVIDE >7" LIGHTING TOUCH PANEL THAT IS TIED TO THE BUILDING LIGHTING RELAY PANELS THROUGHOUT THE BUILDING. PROVIDE EASY-TO-USE GUI INTERFACE. PROGRAM GUI WITH PAGES TO CONTROL AND OVERRIDE BUILDING RELAYS E.G. EXTERIOR, PARKING, CORRIDORS, ETC. RECEIVE SIGN-OFF ON SETUP AND OVERALL FUNCTIONALITY.

L6 FIELD VERIFY FIXTURE ELEVATION AND LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.

L7 PROVIDE A 48-CIRCUIT LIGHTING CONTROL PANEL RELAY WITH 120/277V/1-POLE 0-10V DIMMING RELAYS. LIGHTING CONTROL PANEL MUST HAVE BUILT-IN TIME SCHEDULING, PHOTOCELL 0-10V DIMMING, ASTRONOMICAL CLOCK, 7-DAY SCHEDULE WITH HOLIDAYS, AND PROTECTION FOR LOSS OF POWER TO PREVENT LOSS OF SCHEDULE. PROVIDE CONTROL CIRCUIT AS INDICATED. ADDITIONALLY, LOCATE PHOTOCELL ON THE NORTH SIDE OF THE BUILDING AND TIE INTO THE CONTROLLER. PROGRAM AND CREATE SCHEDULES PER THE LIGHTING NARRATIVE AND THE OWNER'S REQUIREMENTS.

L8 PROVIDE >7" LIGHTING TOUCH PANEL THAT IS TIED TO THE BUILDING LIGHTING RELAY PANELS THROUGHOUT THE CDC PORTION OF THE BUILDING. PROVIDE EASY-TO-USE GUI INTERFACE. PROGRAM GUI WITH PAGES TO CONTROL AND OVERRIDE BUILDING RELAYS E.G. EXTERIOR, PARKING, CORRIDORS, ETC. RECEIVE SIGN-OFF ON SETUP AND OVERALL FUNCTIONALITY.

FIRST FLOOR LIGHTING PLAN AREA A
SCALE = 1/8" = 1'-0"

KEY PLAN

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SHEET NAME
FIRST FLOOR LIGHTING PLAN AREA A

SHEET NUMBER
E211A

FIRST FLOOR LIGHTING PLAN AREA B
SCALE = 1/8" = 1'-0"

LIGHTING GENERAL SHEET NOTES

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L2	MOUNT FIXTURES BETWEEN BAFFLES. MATCH BAFFLE HEIGHT.
L4	MOUNT CONTINUOUS RECESSED LINEAR DIFFUSED LED FIXTURE WITHIN EXTERIOR ARCHITECTURAL CEILING STRUCTURE. COORDINATE OPENING AND MOUNTING REQUIREMENTS WITH GC, ARCHITECTURAL DRAWINGS AND CEILING DETAILS. LIGHT FIXTURE SHALL BE CONTINUOUS THROUGHOUT. FIELD VERIFY LENGTH AND PROVIDE CONTINUOUS CHANNEL AND CORNERS AS REQUIRED FOR UNINTERRUPTED LIGHT ALONG THE ENTIRE PATH. PROVIDE 0-10V WIRING AND LOCATE REMOTE 0-10V POWER SUPPLY(S) IN PLENUM RATED BOX AND IN NEARBY ACCESSIBLE CEILING. COORDINATE QUANTITY AND TYPES WITH MANUFACTURER, LABEL CABINETS AND LOCATE EQUIPMENT FOR EASY MAINTENANCE. LIGHT FIXTURE INTENSITY TO BE EVALUATED BY ARCHITECT AND ENGINEER. ADJUSTMENTS SHALL BE MADE AS REQUIRED.
L6	FIELD VERIFY FIXTURE ELEVATION AND LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
L9	PROVIDE >7" LIGHTING TOUCH PANEL THAT IS TIED TO THE BUILDING LIGHTING RELAY PANELS THROUGHOUT THE VIRTUAL LEARNING PORTION OF THE BUILDING. PROVIDE EASY-TO-USE GUI INTERFACE. PROGRAM GUI WITH PAGES TO CONTROL AND OVERRIDE BUILDING RELAYS E.G. EXTERIOR, PARKING, CORRIDORS, ETC. RECEIVE SIGN-OFF ON SETUP AND OVERALL FUNCTIONALITY.

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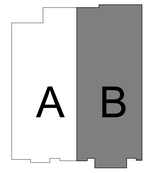
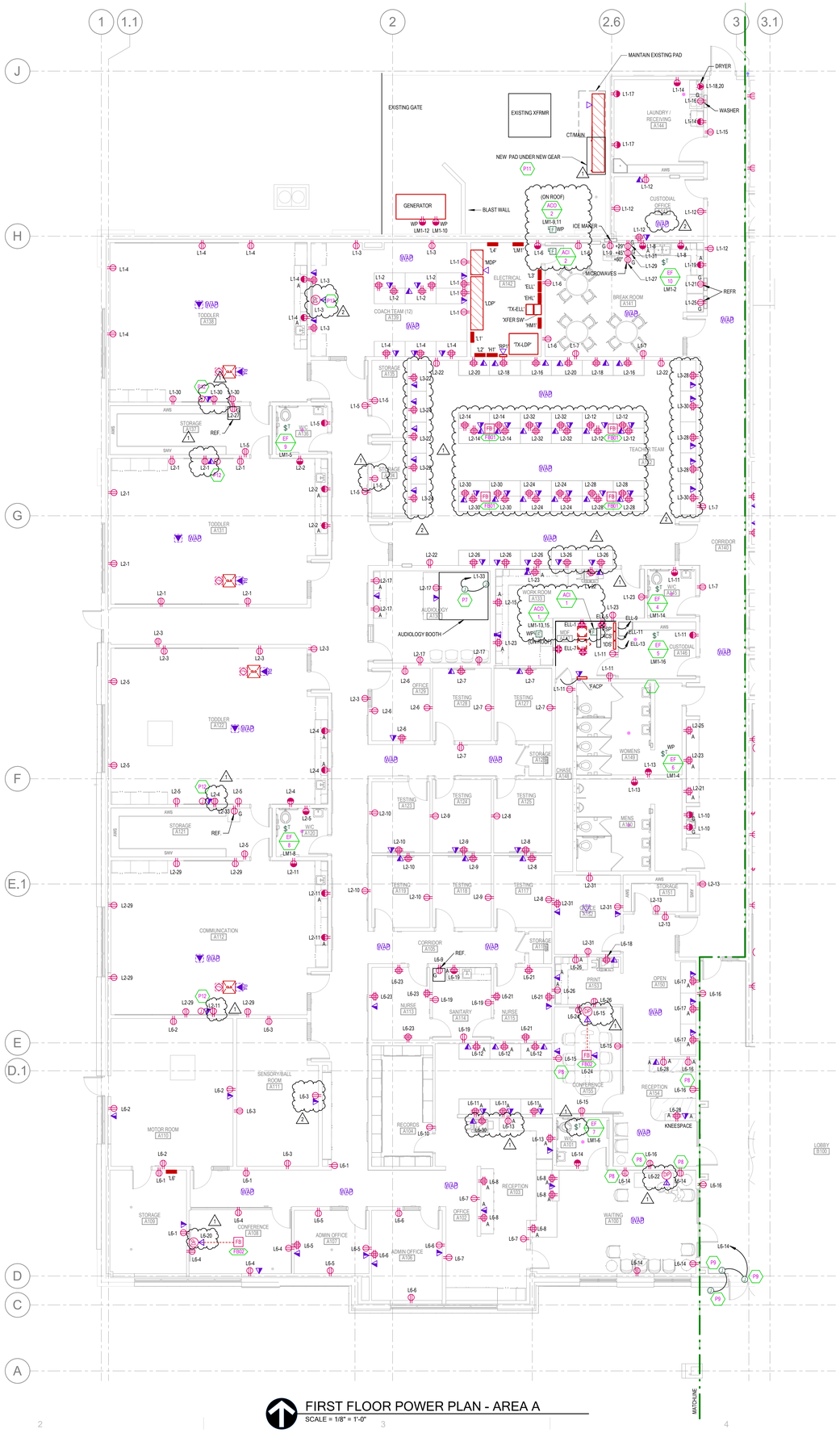
SHEET NUMBER
E211B



KEY PLAN



FIRST FLOOR POWER PLAN - AREA A
SCALE = 1/8" = 1'-0"

GENERAL POWER SHEET NOTES

1. COORDINATE PLACEMENT OF ELECTRICAL DEVICES WITH ARCHITECT PRIOR TO ROUGH-IN. WHERE DEVICES ARE SHOWN IN SAME WALL SPACE, ALIGN VERTICALLY AND HORIZONTALLY. COORDINATE WITH ARCHITECTURAL DRAWINGS, ATHLETIC SAFETY WALL PADDING AND CABINETRY DRAWINGS.
2. ALL THE LOW VOLTAGE WIRE/CABLE FOR LIGHTING SENSORS, AUDIO/VISUAL EQUIPMENT, SOUND AMPLIFICATION, ETC. TO BE ROUTED THROUGH CONDUIT IN EXPOSED AND CLOUDED CEILING AREAS.
3. ALL LOW VOLTAGE WIRE/CABLE FOR LIGHTING SENSORS, AUDIO/VISUAL EQUIPMENT, CLASSROOM SOUND AMPLIFICATION, ETC. TO BE PROPERLY SUPPORTED PER THE TELE/DATA SPEC. AND AT 5'-0" INTERVALS AND TO FOLLOW BUILDING STRUCTURAL LINES. PULLING WIRE DIAGONALLY ACROSS ROOMS IS NOT ALLOWED. USING CEILING SYSTEM OR LIGHT FIXTURE SUPPORT/SEISMIC WIRES FOR SUPPORT IS NOT ALLOWED.
4. PROVIDE GFCI PROTECTION ON ALL DEVICES AND EQUIPMENT PER THE NEC REQUIREMENTS. DEVICES SHALL BE READILY ACCESSIBLE. IF ANY OUTLET IS INSTALLED WITHIN 6 FEET OF OUTSIDE EDGE OF SINK, CONTRACTOR SHALL PROVIDE GFCI RECEPTACLE PER NEC, WHETHER SHOWN OR NOT.
5. ALL RECEPTACLES LOCATED THROUGHOUT THE BUILDING SHALL BE TAMPER RESISTANT PER NEC 406.12.
6. ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT LOCATION OF ALL MECHANICAL UNITS WITH MECHANICAL CONTRACTOR. CIRCUITS TO ALL MECHANICAL EQUIPMENT SHALL BE DEDICATED UNLESS NOTED OTHERWISE.
7. FOR VAV POWER, PROVIDE A DEDICATED 120V/20A CIRCUIT FROM A PANEL LOCATED IN THE ELECTRICAL ROOM OF THE ASSOCIATED QUADRANT. COORDINATE EXACT LOCATION OF ALL VAV BOXES WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
8. PROVIDE 120V CIRCUIT FROM NEAREST PROVIDED CIRCUIT FOR FIRE/SMOKE DAMPER RELAYS. PROVIDE FIRE ALARM MODULES AND RELAYS AS NECESSARY FOR ALL FIRE/SMOKE DAMPERS SHOWN ON DIVISION 23 DRAWINGS. ALL FIRE/SMOKE DAMPERS SHALL HAVE A MANUAL OVERRIDE SWITCH. PROVIDE DUCT DETECTOR WITHIN 5 FEET OF EACH FIRE/SMOKE DAMPER.
9. CONTRACTOR TO COORDINATE ALL LOCATIONS OF FIRE/SMOKE AND SMOKE DAMPERS WITH MECHANICAL CONTRACTOR. CONTRACTOR TO PROVIDE POWER, MONITOR MODULES, AND RELAYS AS REQUIRED FOR A COMPLETE SYSTEM.
10. DIVISION-26 IS RESPONSIBLE TO PROVIDE CONDUIT AND ROUGH-IN FOR ALL THERMOSTAT CONTROLS LOCATED WITHIN WALLS. COORDINATE WITH THE CONTROLS CONTRACTOR AND VERIFY EXACT LOCATION OF ALL THERMOSTATS.

SHEET KEYNOTES

P7	VERIFY EXACT LOCATION OF TERMINATION FOR THE AUDIOLOGY BOOTH. FEED FROM THE WALL WITH FLEX CONDUIT.
P8	COORDINATE EXACT PLACEMENT OF THE RECEPTACLE IN THE FEATURE WALL WITH THE ARCHITECT.
P9	VERIFY BOX LOCATIONS AND ALL TERMINATION REQUIREMENTS FOR CONNECTION TO THE ADA FUNCTION OF THE DOOR.
P11	DRILL AND DOWEL THE NEW PAD TO THE EXISTING PAD.
P12	LOCATE POWER, DATA, AND JUNCTION BOX FOR AV CABLING AT WALL MOUNTED PROJECTOR MOUNT. COORDINATE ROUGH-IN LOCATION CLOSELY WITH AV SUBCONTRACTOR.

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SEAL

PROFESSIONAL ENGINEER
BRIAN HICKS
No. 7709025-2202
STATE OF UTAH
9/23/2024

MHTN PROJECT NO. 2024528

Original drawing is 30 x 42. Do not scale contents of this drawing.

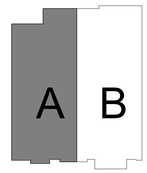
REVISIONS
CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE.

NO.	DATE	DESCRIPTION
1	9/6/24	Addendum #1
2	09/13/2024	Addendum #2

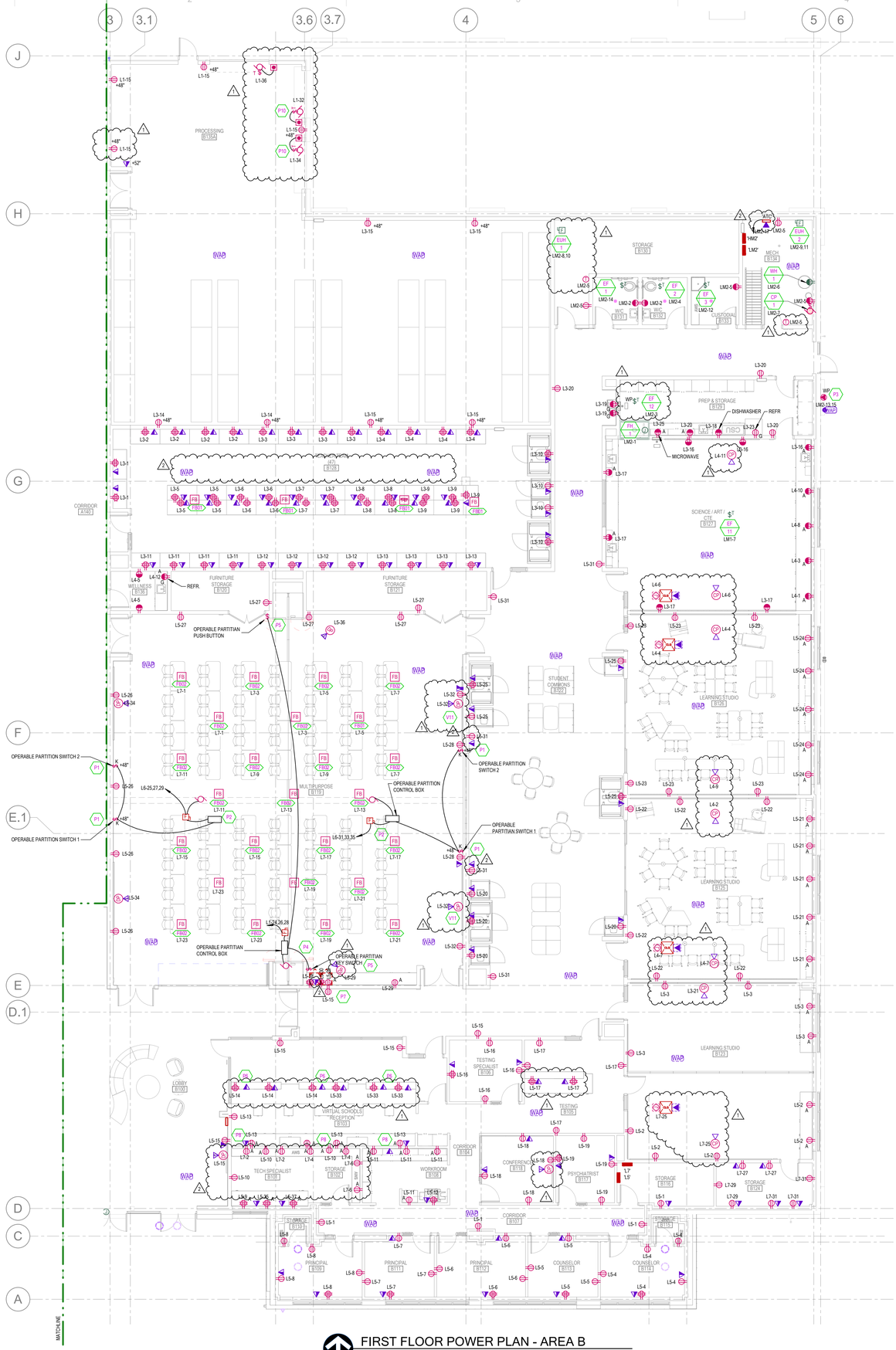
ISSUE
CONSTRUCTION DOCUMENTS
AUGUST 29, 2024

SHEET NAME
FIRST FLOOR POWER PLAN - AREA A

SHEET NUMBER
E311A



KEY PLAN



FIRST FLOOR POWER PLAN - AREA B
SCALE = 1/8" = 1'-0"

GENERAL POWER SHEET NOTES

1. COORDINATE PLACEMENT OF ELECTRICAL DEVICES WITH ARCHITECT PRIOR TO ROUGH-IN. WHERE DEVICES ARE SHOWN IN SAME WALL SPACE, ALIGN VERTICALLY AND HORIZONTALLY. COORDINATE WITH ARCHITECTURAL DRAWINGS, ATHLETIC SAFETY WALL PADDING AND CABINETRY DRAWINGS.
2. ALL THE LOW VOLTAGE WIRE/CABLE FOR LIGHTING SENSORS, AUDIO/VISUAL EQUIPMENT, SOUND AMPLIFICATION, ETC. TO BE ROUTED THROUGH CONDUIT IN EXPOSED AND CLOUDED CEILING AREAS.
3. ALL LOW VOLTAGE WIRE/CABLE FOR LIGHTING SENSORS, AUDIO/VISUAL EQUIPMENT, CLASSROOM SOUND AMPLIFICATION, ETC. TO BE PROPERLY SUPPORTED PER THE TELE/DATA SPEC. AND AT 5'-0" INTERVALS AND TO FOLLOW BUILDING STRUCTURAL LINES. PULLING WIRE DIAGONALLY ACROSS ROOMS IS NOT ALLOWED. USING CEILING SYSTEM OR LIGHT FIXTURE SUPPORT/SEISMIC WIRES FOR SUPPORT IS NOT ALLOWED.
4. PROVIDE GFCI PROTECTION ON ALL DEVICES AND EQUIPMENT PER THE NEC REQUIREMENTS. DEVICES SHALL BE READILY ACCESSIBLE. IF ANY OUTLET IS INSTALLED WITHIN 6 FEET OF OUTSIDE EDGE OF SINK, CONTRACTOR SHALL PROVIDE GFCI RECEPTACLE PER NEC, WHETHER SHOWN OR NOT.
5. ALL RECEPTACLES LOCATED THROUGHOUT THE BUILDING SHALL BE TAMPER RESISTANT PER NEC 406.12.
6. ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT LOCATION OF ALL MECHANICAL UNITS WITH MECHANICAL CONTRACTOR. CIRCUITS TO ALL MECHANICAL EQUIPMENT SHALL BE DEDICATED UNLESS NOTED OTHERWISE.
7. FOR VAV POWER, PROVIDE A DEDICATED 120V/20A CIRCUIT FROM A PANEL LOCATED IN THE ELECTRICAL ROOM OF THE ASSOCIATED QUADRANT. COORDINATE EXACT LOCATION OF ALL VAV BOXES WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
8. PROVIDE 120V CIRCUIT FROM NEAREST PROVIDED CIRCUIT FOR FIRE/SMOKE DAMPER RELAYS. PROVIDE FIRE ALARM MODULES AND RELAYS AS NECESSARY FOR ALL FIRE/SMOKE DAMPERS SHOWN ON DIVISION 23 DRAWINGS. ALL FIRE/SMOKE DAMPERS SHALL HAVE A MANUAL OVERRIDE SWITCH. PROVIDE DUCT DETECTOR WITHIN 5 FEET OF EACH FIRE/SMOKE DAMPER.
9. CONTRACTOR TO COORDINATE ALL LOCATIONS OF FIRE/SMOKE AND SMOKE DAMPERS WITH MECHANICAL CONTRACTOR. CONTRACTOR TO PROVIDE POWER, MONITOR MODULES, AND RELAYS AS REQUIRED FOR A COMPLETE SYSTEM.
10. DIVISION-26 IS RESPONSIBLE TO PROVIDE CONDUIT AND ROUGH-IN FOR ALL THERMOSTAT CONTROLS LOCATED WITHIN WALLS. COORDINATE WITH THE CONTROLS CONTRACTOR AND VERIFY EXACT LOCATION OF ALL THERMOSTATS.

SHEET KEYNOTES

P1	OPERABLE PARTITION CONTROL PANEL IS SUPPLIED BY PARTITION MANUFACTURER WITH 15' OF CABLE FROM THE MOTOR. VERIFY CONTROL PANEL MOUNTING IS WITHIN 15'. DIVISION 26 IS RESPONSIBLE TO WIRE FROM CONTROL PANEL TO FUSED DISCONNECT SWITCH AND CIRCUIT FROM PANEL AS INDICATED.
P2	SWITCHES 1 AND 2 ARE SUPPLIED BY PARTITION MANUFACTURER INSTALLED BY DIVISION 26. PROVIDE 5#18 FROM SWITCH 2 TO SWITCH 1 AND FROM SWITCH 1 TO THE CONTROL PANEL. PROVIDE ALL TERMINATIONS AS REQUIRED. COORDINATE ALL REQUIREMENTS WITH PARTITION INSTALLER.
P3	PROVIDE A NEMA 14-60, 60A-120/250V GRNDG PLUG IN A NEMA 3R ENCLOSURE, VERIFY EXACT LOCATION.
P4	OPERABLE PARTITION CONTROLLER IS SUPPLIED BY THE MANUFACTURER. MOUNT CONTROLLER WITHIN 5' OF THE MOTOR UNIT AND DISCONNECT SWITCH. VERIFY ALL WIRING AND TERMINATION REQUIREMENTS WITH PARTITION INSTALLER.
P5	KEY SWITCH AND PUSH BUTTON ARE SUPPLIED BY THE PARTITION SUPPLIER AND INSTALLED BY DIVISION 26. VERIFY ALL WIRING REQUIREMENTS.
P6	LOCATE RECEPTACLE ON DESK RECESS. COORDINATE STUB-UP LOCATIONS WITHIN MILLWORK WITH ARCHITECT AND MILLWORK SHOP DRAWINGS.
P7	VERIFY EXACT LOCATION OF TERMINATION FOR THE AUDIOLOGY BOOTH. FEED FROM THE WALL WITH FLEX CONDUIT.
P8	COORDINATE EXACT PLACEMENT OF THE RECEPTACLE IN THE FEATURE WALL WITH THE ARCHITECT.
P10	POWERED OVERHEAD DOOR IS EXISTING. VERIFY EXACT LOCATION OF THE MOTOR AND CONTROLLER. PROVIDE A NEW THERMAL SWITCH AND CIRCUIT AS INDICATED.
V11	REFERENCE DIANGRAM V302 ON SHEET T700.

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JORDAN SCHOOL DISTRICT

JORDAN LEARNING CENTER

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SEAL

PROFESSIONAL ENGINEER
8/29/2024
BRIAN HICKS
No. 7799037
STATE OF UTAH

MHTN PROJECT NO. 2024528

Original drawing is 30 x 42. Do not scale contents of this drawing.

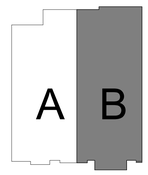
REVISIONS
CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE.

NO.	DATE	DESCRIPTION
1	9/6/24	Addendum #1
2	09/13/2024	Addendum #2

ISSUE
CONSTRUCTION DOCUMENTS
AUGUST 29, 2024

SHEET NAME
FIRST FLOOR POWER PLAN - AREA B

SHEET NUMBER
E311B



KEY PLAN

ALUMINUM CONDUCTOR & CONDUIT SCHEDULE

TYPE	AMP.	COND. SIZE	CONDUCTOR QUAN.	CONDUCTOR SIZE	INSUL-ATION	EQ. GND. COND.
31X	120	2"	3	1/0	XHHW-2	4
41X	120	2"	4	1/0	XHHW-2	4
51X	120	2"	5 *	1/0	XHHW-2	4
32X	135	2"	3	2/0	XHHW-2	4
42X	135	2"	4	2/0	XHHW-2	4
52X	135	2"	5 *	2/0	XHHW-2	4
33X	155	2"	3	3/0	XHHW-2	4
43X	155	2"	4	3/0	XHHW-2	4
53X	155	3"	5 *	3/0	XHHW-2	4
34X	180	2"	3	4/0	XHHW-2	4
44X	180	3"	4	4/0	XHHW-2	4
54X	180	3"	5 *	4/0	XHHW-2	2
325	205	2"	3	250	XHHW-2	2
425	205	3"	4	250	XHHW-2	2
525	205	3"	5 *	250	XHHW-2	2
330	230	3"	3	300	XHHW-2	2
430	230	3"	4	300	XHHW-2	2
530	230	3"	5 *	300	XHHW-2	2
335	250	3"	3	350	XHHW-2	2
435	250	3"	4	350	XHHW-2	2
535	250	3"	5 *	350	XHHW-2	2
440	270	3"	4	400	XHHW-2	2
540	270	3"	5 *	400	XHHW-2	2
350	310	4"	3	500	XHHW-2	1
450	310	4"	4	500	XHHW-2	1
550	310	4"	4	500	XHHW-2	1
375	385	4"	3	750	XHHW-2	1
475	385	4"	4	750	XHHW-2	1
575	385	4"	5 *	750	XHHW-2	1

ALUMINUM CONDUCTOR & CONDUIT SCHEDULE FOR PARALLEL RUNS

TYPE	MAX. O.C. PROT.	COND. AMPS	SETS	CONDUCTOR QUAN.	CONDUCTOR SIZE	CONDUIT SIZE	EQ. GND. COND.
325-2	400	410	2	3	250	4"	2/0
425-2	400	410	2	4	250	4"	2/0
525-2	400	410	2	5 *	250	4"	2/0
350-2	600	620	2	3	500	4"	2/0
450-2	600	620	2	4	500	4"	2/0
550-2	600	620	2	5 *	500	4"	2/0
375-2	800	770	2	3	750	4"	3/0
475-2	800	770	2	4	750	4"	3/0
575-2	800	770	2	5 *	750	4"	3/0
350-3	800	930	3	3	500	4"	3/0
375-3	1000	1150	3	3	750	4"	4/0
475-3	1000	1150	3	4	750	4"	4/0
575-3	1000	1150	3	5 *	750	4"	4/0
350-4	1200	1240	4	3	500	4"	250
450-4	1200	1240	4	4	500	4"	250
340-6	1600	1620	6	3	400	4"	350
440-6	1600	1620	6	4	400	4"	350
460-6	2000	2040	6	4	600	4"	400
375-6	2000	2310	6	3	750	4"	400
475-6	2000	2310	6	4	750	4"	400
375-7	2500	2695	7	3	750	5"	600
475-7	2500	2695	7	4	750	5"	600
375-8	3000	3080	8	3	750	5"	600
475-8	3000	3080	8	4	750	5"	600
475-11	4000	4235	11	4	750	5"	750

NOTES
IN PARALLEL RUNS SIZE GND. COND. IN ACCORDANCE WITH NEC PARA. 250-122.

GND. CONDUCTOR MAY BE DELETED ON SERVICE ENTRANCE CONDUCTORS

* 200% NEUTRAL
** COPPER CONDUCTOR (XHHW)

PROVIDE COMPACT STRANDED ALUMINUM ASSOCIATION 8000 SERIES ALLOY CONDUCTORS.

PROVIDE TERMINATION FOR ALUMINUM-ALLOY CONDUCTORS OF HYDRAULIC COMPRESSION TYPE ONLY LISTED UNDER UL 486-B MARKED "AL7CU" FOR 75° RATED CIRCUITS.

PROVIDE ALL ELECTRICAL EQUIPMENT WITH PROPER SIZING TO ACCOMMODATE ALUMINUM CONDUCTORS, COORDINATE WITH EQUIPMENT SUPPLIER.

FIRE RATED CABLE SCHEDULE

TYPE		COND. AMPS	CONDUCTOR QUAN.	CONDUCTOR SIZE	INSUL-ATION	EQ. GND. COND.
44		125	4	4	MgO	8
43		145	4	3	MgO	8
42		170	4	2	MgO	8
41		195	4	1	MgO	6
41X		230	4	1/0	MgO	4
42X		265	4	2/0	MgO	4
43X		310	4	3/0	MgO	3
44X		360	4	4/0	MgO	3
425		405	4	250	MgO	2
435		505	4	350	MgO	1
450		620	4	500	MgO	1/0

FIRE RATED CABLE FOR PARALLEL RUNS

TYPE	MAX. O.C. PROT.	COND. AMPS	SETS	CONDUCTOR QUAN.	CONDUCTOR SIZE	INSUL-ATION	EQ. GND. COND.
425-2	800	810	2	4	250	MgO	2/0
435-2	1000	1010	2	4	350	MgO	2/0
450-2	1200	1240	2	4	500	MgO	3/0
450-3	1600	1860	3	4	500	MgO	4/0
435-4	2000	2020	4	4	350	MgO	250
435-5	2500	2525	5	4	350	MgO	350
450-5	3000	3100	5	4	500	MgO	500
450-7	4000	4340	7	4	500	MgO	500

NOTES
IN PARALLEL RUNS SIZE GND. COND. IN ACCORDANCE WITH NEC PARA. 250-122.

GND. CONDUCTOR MAY BE DELETED ON SERVICE ENTRANCE CONDUCTORS

ALUMINUM CONDUCTOR & O.C. PROT. FOR TRANSFORMER PRIMARY / ALUMINUM XHHW-2 CONDUCTOR & O.C. PROT. FOR TRANSFORMER SECONDARY △ 480-208/120 Y

TRANS KVA	O.C. PROT.	TYPE COND.*	GND. COND.**	MIN. Z%	O.C. PROT.	TYPE COND.	COND. AMPS	SETS	CONDUCTOR QUAN.	CONDUCTOR SIZE	CONDUIT SIZE	EQ. GND. COND.
30	50	38	8	3	100	T41X-1	120	1	4	1/0	1-1/2"	6
45	70	34	4	3	175	T44X-1	180	1	4	4/0	3"	4
75	125	32X	2	3	225	T435-1	250	1	4	350	3"	2
112.5	175	34X	2	4	400	T425-2	410	2	4	250	3"	1
150	300	350	2/0	4	600	T450-2	610	2	4	500	4"	2/0
225	400	375	3/0	4	800	T440-3	810	3	4	400	4"	3/0
300	600	350-2	3/0	5	1200	T450-4	1240	4	4	500	4"	250
500	800	350-3	3/0	5	1600	T450-6	1860	6	4	500	4"	350
750	1500	350-6	3/0	5	3000	T450-10	3100	10	4	500	4"	400***

ALUMINUM CONDUCTOR & O.C. PROT. FOR TRANSFORMER PRIMARY / ALUMINUM XHHW-2 CONDUCTOR & O.C. PROT. FOR TRANSFORMER SECONDARY (200% NEUTRAL) △ 480-208/120 Y

TRANS KVA	O.C. PROT.	TYPE COND.*	GND. COND.**	MIN. Z%	O.C. PROT.	TYPE COND.	COND. AMPS	SETS	CONDUCTOR QUAN.	CONDUCTOR SIZE	CONDUIT SIZE	EQ. GND. COND.
30	50	36	8	3	100	T51X-1	120	1	5	1/0	2"	6
45	70	34	4	3	175	T545-1	180	1	5	4/0	3"	4
75	125	32X	2	3	225	T535-2	250	1	5	350	3"	2
112.5	175	34X	2	4	400	T525-2	410	2	5	250	3"	1
150	300	350	2/0	4	600	T550-2	610	2	5	500	4"	2/0
225	400	375	3/0	4	800	T540-3	810	3	5	400	4"	3/0
300	600	350-2	3/0	5	1200	T550-4	1240	4	5	500	4"	250
500	800	350-3	3/0	5	1600	T550-6	1860	6	5	500	4"	350
750	1500	350-6	3/0	5	3000	T550-10	3100	10	5	500	4"	400***

* SEE SCHEDULE FOR CONDUIT AND WIRE SIZE ** COPPER GROUNDING ELECRODE *** CU GROUND

GENERAL SHEET NOTES

1. EMERGENCY EQUIPMENT INDICATED SHALL BE SELECTIVELY COORDINATED TO 0.1 SECONDS PER SPECIFICATION SECTION 26 0573. STUDY SHALL BE SUBMITTED PRIOR TO ALL OTHER EQUIPMENT SUBMITTALS.
2. SEE PLANS FOR LOCATIONS OF PANELBOARDS, SWITCHBOARDS TRANSFER SWITCHES, BUSWAY, TRANSFORMERS DISCONNECTS, ETC. AND PROVIDE NEMA RATED ENCLOSURES AS REQUIRED.
3. SUBMIT DIMENSIONED DRAWINGS OF ALL ELECTRICAL ROOMS SHOWING ALL EQUIPMENT LOCATIONS WITHIN EACH SPACE BASED ON THE EQUIPMENT MANUFACTURER GEAR SIZES WITH ALL EQUIPMENT SHOP DRAWINGS.
4. PROVIDE AN ARC ENERGY-REDUCING MAINTENANCE SWITCH FOR ALL OVER-CURRENT PROTECTIVE DEVICES RATED 1200 AMPS OR HIGHER. REFER TO SPECIFICATION SECTION 26 2815 OVER-CURRENT PROTECTIVE DEVICES AND 240.87 OF CURRENT NATIONAL ELECTRICAL CODE (NEC).
5. PROVIDE ELECTRONIC TRIP CIRCUIT BREAKERS FOR ALL CIRCUIT BREAKERS 400 AMPS AND ABOVE. REFER TO THE OVERCURRENT PROTECTION SPECIFICATION SECTION FOR ADDITIONAL REQUIREMENTS.
6. ALL EQUIPMENT SHALL BE FULLY RATED. NO SERIES RATINGS ARE ALLOWED. REFER TO SPECIFICATION SECTIONS FOR ADDITIONAL DETAILS.
7. PROVIDE PRELIMINARY SHORT CIRCUIT STUDY SUBMITTAL PRIOR TO SUBMITTAL OF ANY ELECTRICAL EQUIPMENT. REFER TO SPECIFICATION SECTION 26 0573 PROTECTIVE DEVICE STUDY. PROVIDE AIC AND ARC-FLASH HAZARD LABELS PER THE SPECIFICATIONS AND NEC.
8. PROVIDE A SURGE PROTECTIVE DEVICE ON EACH SWITCHBOARD AND PANELBOARD LOCATED ON THE EMERGENCY DISTRIBUTION SYSTEM. REFER TO SPECIFICATION SECTION 26 4313 SURGE-PROTECTIVE DEVICES (SPD) FOR LOCATION CATEGORY.
9. REFER TO DISTRIBUTION BOARD AND PANELBOARD SCHEDULES FOR ADDITIONAL BREAKERS AND SPD REQUIREMENTS.
10. GFPE PROTECTION OF THE MAIN BREAKER SHALL BE TESTED PRIOR TO THE RELEASE OF THE METER AND RESULTS SHALL BE SUBMITTED TO THE SCHOOL DISTRICT BUILDING OFFICIAL.
11. PROVIDE EQUIPMENT LABELING PER SPECIFICATIONS 26 0553. THE LABEL SHALL IDENTIFY THE DEVICE OR EQUIPMENT WHERE THE POWER SUPPLE ORIGINATES, AND THE SYSTEM VOLTAGE, PHASE OR LINE AND SYSTEM AT TALL TERMINATION, CONNECTION, AND SPLICE POINTS. FOR EXAMPLE: FEEDER POWER SUPPLY FOR PANEL "XX" ORIGINATES AT PANEL "XX" (OR SWITCHBOARD "XX", TRANSFORMER "XX", SWITCH "XX", ETC.); 120/208 VOLTS, 3-PHASE, PHASE COLOR IDENTIFICATION (OR 120/240, 277/480, ETC.).
12. PROVIDE ALL REQUIRED LUG ADAPTERS, PIN REDUCERS, POLARIS LUG KITS, ETC. AS REQUIRED. PROVIDE NEC SIZED JUNCTION BOX AHEAD OF PANELBOARD/GEAR AS NEEDED TO LOCATED AND TERMINATE CONDUCTORS ON POLARIS LUG ADAPTERS (<10' FROM FINALTERMINATION AT PANELBOARD). SIZE DOWN TO CONDUCTORS THAT FIT THE AVAILABLE LUGS AND/OR BREAKERS.

SHEET KEYNOTES

1. SQUARE D POWER LOGIC METERING.
2. GROUND TO BUILDING STRUCTURAL STEEL, WATER MAIN AND GROUND RODS PER SPECIFICATIONS.
3. PROVIDE 30' OF 2/0 BARE COPPER CONDUCTOR LOCATED WITHIN & NEAR THE BOTTOM OF FOOTING (MINIMUM 2" COVER).
4. PANEL EXTENSION WITH "MONO-FLAT" FRONT. PROVIDE MECHANICAL CONTACTORS.
5. PROVIDE A USERC 339 METER BASE MOUNTED TO EXTERIOR OF CT CABINET WITH 1" NIPPLE INTO CT COMPARTMENT.
6. COORDINATE BASE BID OR ALTERNATE FOR PANEL CONNECTED TO THIS FEEDER.
7. FIRE RATED CABLE. PROVIDE HO15 FIRE RATED TRAPEZE RACK. REFER TO SPECIFICATION FOR ADDITIONAL INFORMATION.
8. PROVIDE AN ENERGY-REDUCING MAINTENANCE SWITCH WITH LOCAL, LIT STATUS INDICATOR TO ALLOW FOR A REDUCTION OF THE INSTANTANEOUS PICKUP AND INSTANTANEOUS DELAY SETTINGS FOR USE DURING MAINTENANCE. DEVICE SHALL MOUNT IN FACE OF DEAD-FRONT. THE SWITCH SHALL BE PROVIDED BY THE SAME MANUFACTURER AS THE CIRCUIT BREAKER.
9. PROVIDE INTERLOCKING OF EMERGENCY SYSTEMS PER ARTICLE 700 OF THE NEC SO THAT THERE CAN BE NO INTERCONNECTION OF POWER SOURCES.
10. PROVIDE RATED ASSEMBLY FOR EMERGENCY GENERATOR FEEDERS AND GENERATOR CONTROL WIRING PER ARTICLE 700 OF THE NEC.
11. PROVIDE A BUILDING ENERGY AND POWER METERING SYSTEM IN ACCORDANCE WITH IECC 2021. REFER TO SPECIFICATION 26 1010 AND DIAGRAM U601/E341 FOR ADDITIONAL REQUIREMENTS DISTRIBUTION BOARD, PANELBOARD, AND BRANCH PANEL SUB-METERING AND PROVIDE ALL NECESSARY WIRING, INFRASTRUCTURE, INTERCONNECTION, AND EQUIPMENT AS NECESSARY FOR A COMPLETE AND WORKING SYSTEM.

COPPER CONDUCTOR & CONDUIT SCHEDULE

TYPE	AMP.	COND. SIZE	CONDUCTOR QUAN.	CONDUCTOR SIZE	INSUL-ATION	EQ. GND. COND.
20	30	3/4"	2	10	THHN THWN	10
30	30	3/4"	3	10	THHN THWN	10
40	30	3/4"	4	10	THHN THWN	10
28	40	1"	2	8	THHN THWN	10
38	40	1"	3	8	THHN THWN	10
48	40	1"	4	8	THHN THWN	10
26	55	1"	2	6	THHN THWN	8
36	55	1"	3	6	THHN THWN	8
46	55	1"	4	6	THHN THWN	8
24	70	1"	2	4	THHN THWN	8
34	70	1-1/4"	3	4	THHN THWN	8
44	70	1-1/4"	4	4	THHN THWN	8
23	85	1-1/4"	2	3	THHN THWN	8
33	85	1-1/4"	3	3	THHN THWN	8
43	85	1-1/2"	4	3	THHN THWN	8
32	95	1-1/2"	3	2	THHN THWN	6
42	95	1-1/2"	4	2	THHN THWN	6
31	110	1-1/2"	3	1	THHN THWN	6
41	110	2"	4	1	THHN THWN	6
51	110	2"	5 *	1	THHN THWN	6

COPPER CONDUCTOR & CONDUIT SCHEDULE FOR PARALLEL RUNS

TYPE	MAX. O.C. PROT.	COND. AMPS	SETS	CONDUCTOR QUAN.	CONDUCTOR SIZE	CONDUIT SIZE	EQ. GND. COND.
44X-2	400	460	2	4	4/0	2-1/2"	3
335-2	600	620	2	3	350	3"	1
435-2	600	620	2	4	350	3"	1
535-2	600	620	2	5 *	350	3"	1
350-2	800	760	2	3	500	4"	1/0
450-2	800	760	2	4	500	4"	1/0
550-2	800	760	2	5 *	500	4"	1/0
350-3	1000	1140	3	3	500	4"	2/0
450-3	1000	1140	3	4	500	4"	2/0

NOTES
IN PARALLEL RUNS SIZE GND. COND. IN ACCORDANCE WITH NEC PARA. 250-122.

GND. CONDUCTOR MAY BE DELETED ON SERVICE ENTRANCE CONDUCTORS

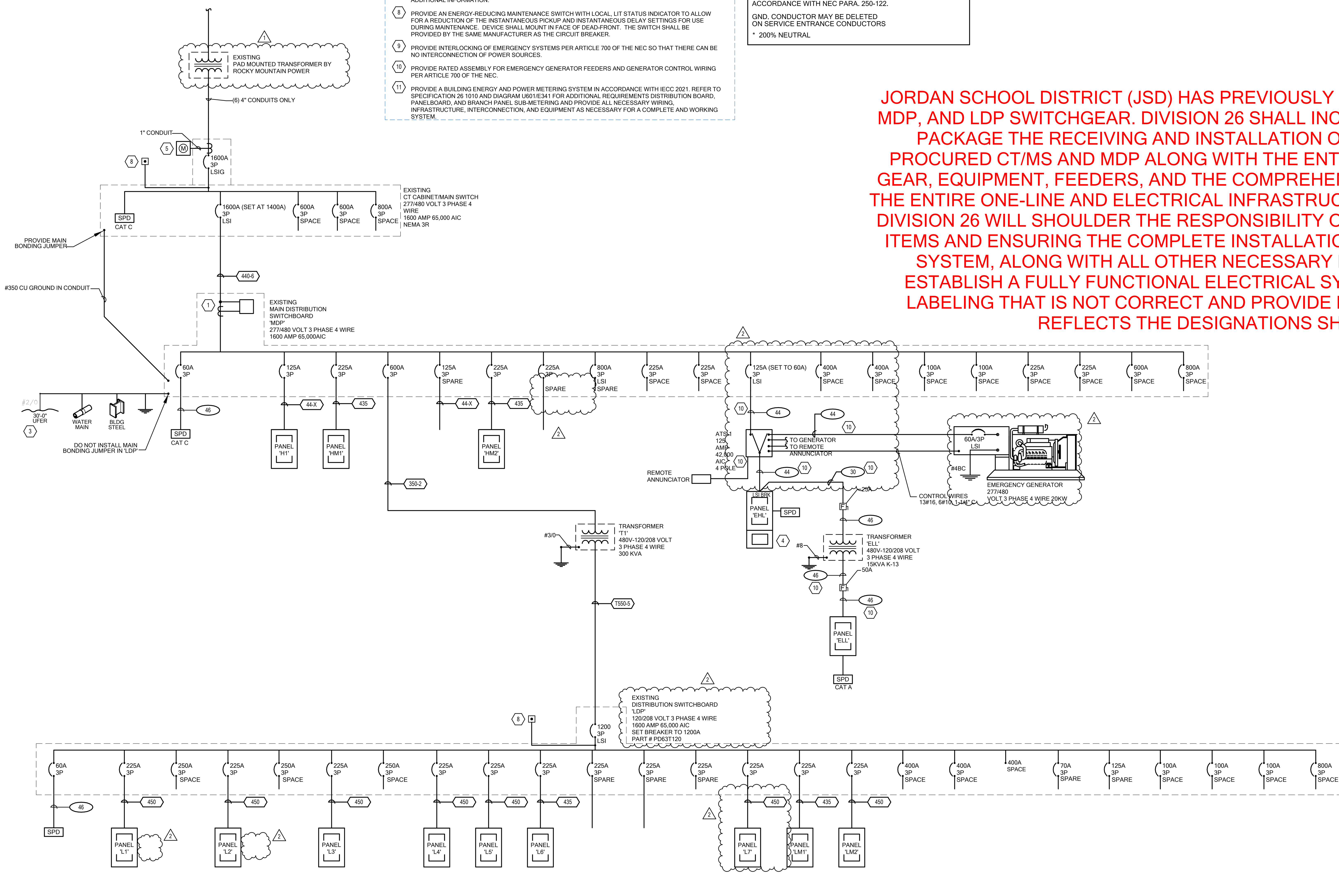
* 200% NEUTRAL

FAULT CURRENT SCHEDULE (REFERENCE ONLY)

DEVICE	VOLTAGE	FEEDER LENGTH	FEEDER AMPACITY	FAULT AT DEVICE	TRANSFORMER KVA	TRANSFORMER Z%	TRANSFORMER FAULT AT PRIMARY
XFER SW							
				0			
				0			
				0	EBIM		
				0			
				0			
				0			
				0			
MDP	480V			EBIM			
H1	480V			0			
LDP	208V						
A2	480V			0	EBIM		
A1	480V			0			
M1	480V	EBIM		0			

NOTES:
1. **REFERENCE ONLY:** THE SCHEDULE SHOWN IS FOR REFERENCE ONLY. THE CALCULATED LENGTHS AND AVAILABLE FAULT CURRENT FOR ELECTRICAL EQUIPMENT IS BASED UPON MODEL INFORMATION WITH ENGINEERING CONTRIBUTIONS. DIVISION 26 SHALL CONDUCT A PROTECTIVE DEVICE STUDY PER SPECIFICATION SECTION 26 0573 AND PROVIDE INFORMATION BASED UPON ACTUAL FIELD CONDITIONS.
2. AT TIME OF DOCUMENT PREPARATION THE UTILITY COMPANY HAD NOT CALCULATED AND PROVIDED THE AVAILABLE FAULT CURRENT AT THE SECONDARY OF THE PAD MOUNTED TRANSFORMER. BECAUSE OF THIS WE HAVE ASSUMED A WORSE CASE SCENARIO FOR THE SIZE OF THE TRANSFORMER AND ITS IMPEDANCE AND USED AN INFINITE FAULT CURRENT FOR OUR FAULT CURRENT CALCULATIONS.
3. ALL EQUIPMENT SHALL BE FULL RATED. SERIES RATING OF EQUIPMENT WILL NOT BE ACCEPTED.
4. ALL OVERCURRENT PROTECTION DEVICES SHALL HAVE A FAULT CURRENT RATING THAT IS EQUAL OR GREATER THAN THE CALCULATED RATING OF THE SWITCHGEAR AND/OR PANELBOARD.

JORDAN SCHOOL DISTRICT (JSD) HAS PREVIOUSLY PROCURED THE CT/MS, MDP, AND LDP SWITCHGEAR. DIVISION 26 SHALL INCLUDE WITHIN THEIR BID PACKAGE THE RECEIVING AND INSTALLATION OF THE PREVIOUSLY PROCURED CT/MS AND MDP ALONG WITH THE ENTIRETY THE REMAINING GEAR, EQUIPMENT, FEEDERS, AND THE COMPREHENSIVE INSTALLATION OF THE ENTIRE ONE-LINE AND ELECTRICAL INFRASTRUCTURE WITHIN THEIR BID. DIVISION 26 WILL SHOULDER THE RESPONSIBILITY OF BOTH RECEIVING THE ITEMS AND ENSURING THE COMPLETE INSTALLATION OF THE ELECTRICAL SYSTEM, ALONG WITH ALL OTHER NECESSARY PREREQUISITES TO ESTABLISH A FULLY FUNCTIONAL ELECTRICAL SYSTEM. REPLACE ALL LABELING THAT IS NOT CORRECT AND PROVIDE NEW LABELING THAT REFLECTS THE DESIGNATIONS SHOWN.



1 ONE-LINE DIAGRAM
SCALE = 12" = 1'-0"

MHTN ARCHITECTS
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280 South 400 West
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Salt Lake City, Utah 84101
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JORDAN SCHOOL DISTRICT

JORDAN LEARNING CENTER

3706 WEST 9800 SOUTH
SOUTH JORDAN, UT 84009

SEAL
PROFESSIONAL ENGINEER 8/29/2024 BRIAN HICKS No. 7709037-2202 STATE OF UTAH

MHTN PROJECT NO. 2024528

Original drawing is 30 x 42. Do not scale contents of this drawing.

REVISIONS
CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE.

NO.	DATE	DESCRIPTION
1	9/6/24	Addendum #1
2	09/13/2024	Addendum #2

ISSUE
CONSTRUCTION DOCUMENTS
AUGUST 29, 2024

SHEET NAME
ONE-LINE DIAGRAM

SHEET NUMBER
E360

PANELBOARD SCHEDULE

PANEL: L1 TYPE: Type 1 VOLTS: 120/208 Y PHASE: 3 WIRES: 4

MOUNTING: SURFACE LOCATION: ELECTRICAL A142 MAINS: MLO
BUSSING: FED FROM: LDP
AMP: 225 A

___ SUBFEED LUGS
X DOOR-IN-DOOR
___ ISO GROUND
___ 200% NEUTRAL
___ SPD

BRANCH BREAKERS

ITEM	AMPS	TYPE	POLE	WIRE SIZE	CIR. NO.	A	B	C	A	B	C	CIR. NO.	WIRE SIZE	POLE	TYPE	AMPS	ITEM
RECEPT, COACH TEAM (12)...	20 A		1	12	1	1080			1440			2	12	1		20 A	RECEPT, COACH TEAM (12) A139
RECEPT, COACH TEAM (12)...	20 A		1	12	3		1580			2160		4	12	1		25 A	RECEPT, Room A138, A139
RECEPT, Room A134, A135,...	20 A		1	12	5			1080			720	6	12	1		20 A	RECEPT, Room A141, A142
RECEPT, Room A140, A141	20 A		1	12	7	720			360			8	12	1		20 A	RECEPT, BREAK ROOM A141
* ICEMAKER	20 A	GF	1	12	9		180			360		10	12	1		20 A	RECEPT, CORRIDOR A140
RECEPT, Room A145, A146,...	20 A		1	12	11			900			1080	12	12	1		20 A	RECEPT, Room A140, A143
RECEPT, Room A149, A150	20 A		1	12	13	360			360			14	12	1		20 A	RECEPT, LAUNDRY / RECEIVING...
RECEPT, Room A140, B135A	20 A		1	12	15		900			180		16	12	1	GF	20 A	*WASHER
RECEPT, LAUNDRY /...	20 A		1	12	17			360			2500	18	10	2	GF	35 A	*DRYER
RECEPT, BREAK ROOM A141	20 A		1	12	19	180			2500			20	--	--	--	--	--
* REFRIGERATOR	20 A	GF	1	12	21		1000			180		22	12	1		20 A	RECEPT, WORK ROOM A133
RECEPT, WORK ROOM A133	20 A		1	12	23			720			480	24		3		20 A	OPERABLE PARTITION
* REFRIGERATOR	20 A	GF	1	12	25	1000			480			26	--	--	--	--	--
* MICROWAVE	20 A	GF	1	12	27		1200			480		28	--	--	--	--	--
* MICROWAVE	20 A	GF	1	12	29			1200			540	30		1		20 A	RECEPT, TODDLER A138
* MICROWAVE	20 A	GF	1	12	31	1200			0			32		1		20 A	COILING DOOR
HVAC, AUDIOLOGY A130	20 A		1	12	33		500			0		34		1		20 A	COILING DOOR
SPARE	20 A	--	1	--	35			0			0	36		1		20 A	COILING DOOR
SPARE	20 A	--	1	--	37	0			0			38	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	39		0			0		40	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	41			0			0	42	--	1	--	20 A	SPARE

FEED THRU LOAD	A	B	C		CONNECTED LOAD TOTAL
0 VA	9680	8720	9580	TOTAL (VA)	26540 VA
	82 A	73 A	81 A	AMPS/PHASE	

AIC RATING 22000 AMPS RMS SYSM.

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	500 VA	100.00%	500 VA		
Motor	0 VA	0.00%	0 VA	Total Conn. Load:	26540 VA
Other	500 VA	100.00%	500 VA	Total Est. Demand:	24070 VA
RECEPT	14940 VA	83.47%	12470 VA	Total Conn. Current:	74 A
* MICROWAVE	3600 VA	100.00%	3600 VA	Total Est. Demand Current:	67 A
* REFRIGERATOR	2000 VA	100.00%	2000 VA		
* DRYER	5000 VA	100.00%	5000 VA		

NOTES:
*

CIRCUIT BREAKER TYPE:

<BLANK>	THERMAL MAGNETIC CIRCUIT BREAKER
GF	5 mA GROUND FAULT CIRCUIT BREAKER
AF	ARC-FAULT CIRCUIT BREAKER
CO	COMBINATION AFCI/GFCI CIRCUIT BREAKER
EG	30 mA EQUIPMENT GROUND FAULT CIRCUIT BREAKER
ST	SHUNT TRIP CIRCUIT BREAKER

PANELBOARD SCHEDULE

PANEL: L3 TYPE: Type 1 VOLTS: 120/208 Y PHASE: 3 WIRES: 4

MOUNTING: SURFACE LOCATION: ELECTRICAL A142 MAINS: MLO
BUSSING: FED FROM: LDP
AMP: 225 A

___ SUBFEED LUGS
X DOOR-IN-DOOR
___ ISO GROUND
___ 200% NEUTRAL
___ SPD

BRANCH BREAKERS

ITEM	AMPS	TYPE	POLE	WIRE SIZE	CIR. NO.	A	B	C	A	B	C	CIR. NO.	WIRE SIZE	POLE	TYPE	AMPS	ITEM
RECEPT, TEACHER TEAM (47)...	20 A		1	12	1	720			1440			2	12	1		20 A	RECEPT, TEACHER TEAM (47) B128
RECEPT, TEACHER TEAM (47)...	20 A		1	12	3		1440			1440		4	12	1		20 A	RECEPT, TEACHER TEAM (47) B128
RECEPT, TEACHER TEAM (47)...	20 A		1	12	5			1440			1440	6	12	1		20 A	RECEPT, TEACHER TEAM (47) B128
RECEPT, TEACHER TEAM (47)...	20 A		1	12	7	1440			1440			8	12	1		20 A	RECEPT, TEACHER TEAM (47) B128
RECEPT, TEACHER TEAM (47)...	20 A		1	12	9		1800			1440		10	12	1		20 A	RECEPT, TEACHER TEAM (47) B128
RECEPT, TEACHER TEAM (47)...	20 A		1	12	11			1440			1440	12	12	1		20 A	RECEPT, TEACHER TEAM (47) B128
RECEPT, TEACHER TEAM (47)...	20 A		1	12	13	1440			360			14	12	1		20 A	RECEPT, PROCESSING B135A
RECEPT, PROCESSING B135A	20 A		1	12	15		720			540		16	12	1		20 A	RECEPT, SCIENCE / ART / CTE...
RECEPT, SCIENCE / ART / CTE...	20 A		1	12	17			720			180	18	12	1	GF	20 A	*DISHWASHER
*WATER FOUNTAIN	20 A		1	12	19	360			720			20	12	1		20 A	RECEPT, PREP & STORAGE B129
Other	20 A		1	12	21		700			1080		22		1		20 A	RECEPT TEACHER TEAM (45) A132
*REFRIGERATOR	20 A	GF	1	12	23			1000			720	24		1		20 A	RECEPT TEACHER TEAM (45) A132
*MICROWAVE	20 A		1	12	25	180			720			26		1		20 A	RECEPT TEACHER TEAM (45) A132
SPARE	20 A	--	1	--	27		0			1080		28		1		20 A	RECEPT TEACHER TEAM (45) A132
SPARE	20 A	--	1	--	29			0			720	30		1		20 A	RECEPT TEACHER TEAM (45) A132
SPARE	20 A	--	1	--	31	0			0			32	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	33		0			0		34	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	35			0			0	36	--	1	--	20 A	SPARE
SPACE ONLY	--	--	1	--	37	--			--			38	--	1	--	--	SPACE ONLY
SPACE ONLY	--	--	1	--	39		--			--		40	--	1	--	--	SPACE ONLY
SPACE ONLY	--	--	1	--	41			--			--	42	--	1	--	--	SPACE ONLY

FEED THRU LOAD	A	B	C		CONNECTED LOAD TOTAL
0 VA	8820	10240	9100	TOTAL (VA)	28160 VA
	74 A	86 A	76 A	AMPS/PHASE	

AIC RATING 22000 AMPS RMS SYSM.

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Other	700 VA	100.00%	700 VA		
RECEPT	26460 VA	68.90%	18230 VA	Total Conn. Load:	28160 VA
* REFRIGERATOR	1000 VA	100.00%	1000 VA	Total Est. Demand:	19930 VA
				Total Conn. Current:	78 A
				Total Est. Demand Current:	55 A

NOTES:

CIRCUIT BREAKER TYPE:

<BLANK>	THERMAL MAGNETIC CIRCUIT BREAKER
GF	5 mA GROUND FAULT CIRCUIT BREAKER
AF	ARC-FAULT CIRCUIT BREAKER
CO	COMBINATION AFCI/GFCI CIRCUIT BREAKER
EG	30 mA EQUIPMENT GROUND FAULT CIRCUIT BREAKER
ST	SHUNT TRIP CIRCUIT BREAKER

PANELBOARD SCHEDULE

PANEL: L5 TYPE: Type 1 VOLTS: 120/208 Y PHASE: 3 WIRES: 4

MOUNTING: SURFACE LOCATION: STORAGE B116 MAINS: MLO
BUSSING: FED FROM: LDP
AMP: 225 A

___ SUBFEED LUGS
X DOOR-IN-DOOR
___ ISO GROUND
___ 200% NEUTRAL
___ SPD

BRANCH BREAKERS

ITEM	AMPS	TYPE	POLE	WIRE SIZE	CIR. NO.	A	B	C	A	B	C	CIR. NO.	WIRE SIZE	POLE	TYPE	AMPS	ITEM
RECEPT STORAGE B124	20 A		1	12	1	720			900			2	12	1		20 A	RECEPT LEARNING STUDIO B123
RECEPT LEARNING STUDIO...	20 A		1	12	3		900			1095		4	12	1		20 A	RECEPT COUNSELOR B114
RECEPT COUNSELOR B113	20 A		1	12	5			900			900	6	12	1		20 A	RECEPT PRINCIPAL B112
RECEPT PRINCIPAL B111	20 A		1	12	7	900			1095			8	12	1		20 A	RECEPT PRINCIPAL B109
RECEPT TECH SPECIALIST...	20 A		1	12	9		360			540		10	12	1		20 A	RECEPT TECH SPECIALIST B101
RECEPT WORKROOM B108	20 A		1	12	11			720			180	12	12	1		20 A	RECEPT WORKROOM B108
RECEPT VIRTUAL SCHOOLS...	20 A		1	12	13	900			1080			14	12	1		20 A	RECEPT VIRTUAL SCHOOLS...
RECEPT LOBBY B100	20 A		1	12	15		1400			900		16	12	1		20 A	RECEPT TESTING SPECIALIST...
RECEPT TESTING B105	20 A		1	12	17			1260			720	18	12	1		20 A	RECEPT CONFERENCE B118
RECEPT PSYCHIATRIST B117	20 A		1	12	19	900			900			20	12	1		20 A	RECEPT STUDENT COMMONS...
RECEPT LEARNING STUDIO...	20 A		1	12	21		900			1080		22	12	1		20 A	RECEPT LEARNING STUDIO B125
RECEPT LEARNING STUDIO...	20 A		1	12	23			1080			900	24	12	1		20 A	RECEPT LEARNING STUDIO B126
RECEPT STUDENT COMMONS...	20 A		1	12	25	900			720			26	12	1		20 A	RECEPT MULTIPURPOSE B119
RECEPT FURNITURE STORAG...	20 A		1	12	27		900			360		28	12	1		20 A	RECEPT MULTIPURPOSE B119
RECEPT MULTIPURPOSE B119	20 A		1	12	29			860			360	30	12	1		20 A	RECEPT MULTIPURPOSE B119
RECEPT STUDENT COMMONS...	20 A		1	12	31	900			1360			32	12	1		20 A	MULTIPURPOSE B119
RECEPT VIRTUAL SCHOOLS...	20 A		1	12	33		1080			1000		34	12	1		20 A	Other MULTIPURPOSE B119
RECEPT STORAGE B102	20 A		1	12	35			360			500	36	12	1		20 A	Other MULTIPURPOSE B119
RECEPT STORAGE B102	20 A		1	12	37	360			360			38	12	1		20 A	RECEPT MULTIPURPOSE B119
SPARE	20 A	--	1	--	39		0			0		40	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	41			0			0	42	--	1	--	20 A	SPARE

FEED THRU LOAD	A	B	C		CONNECTED LOAD TOTAL
0 VA	11995	10515	8740	TOTAL (VA)	31250 VA
	102 A	90 A	73 A	AMPS/PHASE	

AIC RATING 22000 AMPS RMS SYSM.

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
LIGHTING	30 VA	125.00%	38 VA		
Other	3500 VA	100.00%	3500 VA	Total Conn. Load:	31250 VA
RECEPT	27720 VA	68.04%	18860 VA	Total Est. Demand:	22398 VA
				Total Conn. Current:	87 A
				Total Est. Demand Current:	62 A

NOTES:

CIRCUIT BREAKER TYPE:

<BLANK>	THERMAL MAGNETIC CIRCUIT BREAKER
GF	5 mA GROUND FAULT CIRCUIT BREAKER
AF	ARC-FAULT CIRCUIT BREAKER
CO	COMBINATION AFCI/GFCI CIRCUIT BREAKER
EG	30 mA EQUIPMENT GROUND FAULT CIRCUIT BREAKER
ST	SHUNT TRIP CIRCUIT BREAKER

PANELBOARD SCHEDULE

PANEL: L2 TYPE: Type 1 VOLTS: 120/208 Y PHASE: 3 WIRES: 4

MOUNTING: SURFACE LOCATION: ELECTRICAL A142 MAINS: MLO
BUSSING: FED FROM: LDP
AMP: 225 A

___ SUBFEED LUGS
X DOOR-IN-DOOR
___ ISO GROUND
___ 200% NEUTRAL
___ SPD

BRANCH BREAKERS

ITEM	AMPS	TYPE	POLE	WIRE SIZE	CIR. NO.	A	B	C	A	B	C	CIR. NO.	WIRE SIZE	POLE	TYPE	AMPS	ITEM
RECEPT TODDLER A131	20 A		1	12	1	1260			540			2	12	1		20 A	RECEPT TODDLER A131
RECEPT	20 A		1	12	3		900			720		4	12	1		20 A	RECEPT TODDLER A122
RECEPT TODDLER A122	20 A		1	12	5			1080			900	6	12	1		20 A	RECEPT OFFICE A129
RECEPT TESTING A128	20 A		1	12	7	1275			1080			8	12	1		20 A	RECEPT TESTING A125
RECEPT TESTING A124	20 A		1	12	9		1080			1260		10	12	1		20 A	RECEPT TESTING A123
RECEPT COMMUNICATION...	20 A		1	12	11			720			1440	12	12	1		20 A	RECEPT, TEACHER TEAM (45) A132
RECEPT CORRIDOR A140	20 A		1	12	13	540			1440			14	12	1		20 A	RECEPT, TEACHER TEAM (45) A132
RECEPT WORK ROOM A133	20 A		1	12	15		700			720		16	12	1		20 A	RECEPT, TEACHER TEAM (45) A132
RECEPT AUDIOLOGY A130	20 A		1	12	17			900			720	18	12	1		20 A	RECEPT, TEACHER TEAM (45) A132
					19				720			20	12	1		20 A	RECEPT, TEACHER TEAM (45) A132
RECEPT CORRIDOR A140	20 A		1	12	21		700			540		22	12	1		20 A	RECEPT, TEACHER TEAM (45) A132
RECEPT CORRIDOR A140	20 A		1	12	23			700			1440	24	12	1		20 A	RECEPT TEACHER TEAM (45) A132
RECEPT CORRIDOR A140	20 A		1	12	25	700			1080			26	12	1		20 A	RECEPT, TEACHER TEAM (45) A132
RECEPT STORAGE A137	20 A		1	12	27		180			1440		28	12	1		25 A	RECEPT, TEACHER TEAM (45) A132
RECEPT COMMUNICATION...	20 A		1	12	29			1080			1440	30	12	1		25 A	RECEPT, TEACHER TEAM (45) A132
RECEPT OFFICE A152	20 A		1	12	31	900			1440			32	12	1		20 A	RECEPT TEACHER TEAM (45) A132
* REFRIGERATOR	20 A	GF	1		33		1000			0		34	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	35			0			0	36	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	37	0			0			38	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	39		0			0		40	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	41			0			0	42	--	1	--	20 A	SPARE

FEED THRU LOAD	A	B	C		CONNECTED LOAD TOTAL
0 VA	10975	9240	10420	TOTAL (VA)	30635 VA
	93 A	77 A	88 A	AMPS/PHASE	

AIC RATING 22000 AMPS RMS SYSM.

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
LIGHTING	15 VA	125.00%	19 VA		
RECEPT	29620 VA	66.88%	19810 VA	Total Conn. Load:	30635 VA
* REFRIGERATOR	1000 VA	100.00%	1000 VA	Total Est. Demand:	20829 VA
				Total Conn. Current:	85 A
				Total Est. Demand Current:	58 A

NOTES:

CIRCUIT BREAKER TYPE:

<BLANK>	THERMAL MAGNETIC CIRCUIT BREAKER
GF	5 mA GROUND FAULT CIRCUIT BREAKER
AF	ARC-FAULT CIRCUIT BREAKER
CO	COMBINATION AFCI/GFCI CIRCUIT BREAKER
EG	30 mA EQUIPMENT GROUND FAULT CIRCUIT BREAKER
ST	SHUNT TRIP CIRCUIT BREAKER

PANELBOARD SCHEDULE

PANEL: L4 TYPE: Type 1 VOLTS: 120/208 Y PHASE: 3 WIRES: 4

MOUNTING: SURFACE LOCATION: ELECTRICAL A142 MAINS: MLO
BUSSING: FED FROM: LDP
AMP: 225 A

___ SUBFEED LUGS
X DOOR-IN-DOOR
___ ISO GROUND
___ 200% NEUTRAL
___ SPD

BRANCH BREAKERS

ITEM	AMPS	TYPE	POLE	WIRE SIZE	CIR. NO.	A	B	C	A	B	C	CIR. NO.	WIRE SIZE	POLE	TYPE	AMPS	ITEM
RECEPT, SCIENCE / ART / CTE...	20 A		1	12	1	180			700			2	12	1		20 A	PROJECTOR B125
RECEPT, SCIENCE / ART / CTE...	20 A		1	12	3		180			1420		4	12	1		20 A	PROJECTOR B126
RECEPT, WELLNESS B136	20 A		1	12	5			360			1420	6	12	1		20 A	PROJECTOR B127
PROJECTOR B125	20 A		1	12	7	1060			180			8	12	1		20 A	RECEPT, SCIENCE / ART / CTE...
PROJECTOR B126	20 A		1	12	9		700			180		10	12	1		20 A	RECEPT, SCIENCE / ART / CTE...
PROJECTOR B127	20 A		1	12	11			700			180	12	12	1		20 A	RECEPT, WELLNESS B136
SPARE	20 A	--	1	--	13	0			0			14	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	15		0			0		16	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	17			0			0	18	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	19	0			0			20	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	21		0			0		22	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	23			0			0	24	--	1	--	20 A	SPARE
SPACE ONLY	--	--	1	--	25	--			--			26	--	1	--	--	SPACE ONLY
SPACE ONLY	--	--	1	--	27		--			--		28	--	1	--	--	SPACE ONLY
SPACE ONLY	--	--	1	--	29			--			--	30	--	1	--	--	SPACE ONLY
SPACE ONLY	--	--	1	--	31	--			--			32	--	1	--	--	SPACE ONLY
SPACE ONLY	--	--	1	--	33		--			--		34	--	1	--	--	SPACE ONLY
SPACE ONLY	--	--	1	--	35			--			--	36	--	1	--	--	SPACE ONLY
SPACE ONLY	--	--	1	--	37	--			--			38	--	1	--	--	SPACE ONLY
SPACE ONLY	--	--	1	--	39		--			--		40	--	1	--	--	SPACE ONLY
SPACE ONLY	--	--	1	--	41			--			--	42	--	1	--	--	SPACE ONLY

FEED THRU LOAD	A	B	C		CONNECTED LOAD TOTAL
0 VA	2120	2480	2660	TOTAL (VA)	6540 VA
	18 A	21 A	23 A	AMPS/PHASE	

AIC RATING 22000 AMPS RMS SYSM.

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Other	5280 VA	100.00%	5280 VA		
RECEPT	1260 VA	100.00%	1260 VA	Total Conn. Load:	6540 VA
				Total Est. Demand:	6540 VA
				Total Conn. Current:	18 A
				Total Est. Demand Current:	18 A

NOTES:

CIRCUIT BREAKER TYPE:

<BLANK>	THERMAL MAGNETIC CIRCUIT BREAKER
GF	5 mA GROUND FAULT CIRCUIT BREAKER
AF	ARC-FAULT CIRCUIT BREAKER
CO	COMBINATION AFCI/GFCI CIRCUIT BREAKER
EG	30 mA EQUIPMENT GROUND FAULT CIRCUIT BREAKER
ST	SHUNT TRIP CIRCUIT BREAKER

PANELBOARD SCHEDULE

PANEL: L6 TYPE: Type 1 VOLTS: 120/208 Y PHASE: 3 WIRES: 4

MOUNTING: SURFACE LOCATION: STORAGE A109 MAINS: MLO
BUSSING: FED FROM: LDP
AMP: 225 A

___ SUBFEED LUGS
X DOOR-IN-DOOR
___ ISO GROUND
___ 200% NEUTRAL
___ SPD

BRANCH BREAKERS

ITEM	AMPS	TYPE	POLE	WIRE SIZE	CIR. NO.	A	B	C	A	B	C	CIR. NO.	WIRE SIZE	POLE	TYPE	AMPS	ITEM
RECEPT, STORAGE A109	20 A		1	12	1	720			720			2	12	1		20 A	RECEPT, MOTOR ROOM A110
RECEPT, SENSORY/BALL...	20 A		1	12	3		720			720		4	12	1		20 A	RECEPT, CONFERENCE A108
RECEPT, ADMIN OFFICE A107	20 A		1	12	5			900			900	6	12	1		20 A	RECEPT, ADMIN OFFICE A106
RECEPT, OFFICE A102	20 A		1	12	7	540			1800			8	12	1		20 A	RECEPT, RECEPTION A103
RECEPT, SANITARY A114	20 A		1	12	9		180			180		10	12	1		20 A	RECEPT, RECORDS A104
RECEPT, OFFICE A102	20 A		1	12	11			1080			1080	12	12	1		20 A	RECEPT, OFFICE A102
RECEPT, OFFICE A102	20 A		1	12	13	720			900			14	12	1		20 A	RECEPT, Room A100, A101, B100
RECEPT, CONFERENCE A155	20 A		1	12	15		720			900		16	12	1		20 A	RECEPT, Room A154, B100
RECEPT, OPEN A150	20 A		1	12	17			540			180	18	12	1		20 A	RECEPT, PRINT A153
RECEPT, SANITARY A114	20 A		1	12	19	900			500			20	12	1		20 A	Other, CONFERENCE A108
RECEPT, NURSE A115	20 A		1	12	21		1455			500		22	12	1		20 A	Other, WAITING A100
RECEPT, NURSE A113	20 A		1	12	23			1440			680	24	12	1		20 A	Other, RECEPT, CONFERENCE...
OPERABLE PARTITION	20 A		3	12	25	0			540			26	12	1		20 A	RECEPT, PRINT A153
--	--	--	--	--	27		0			540		28	12	1		20 A	RECEPT, RECEPTION A154
--	--	--	--	--	29			0			180	30		1		20 A	COPY
OPERABLE PARTITION	20 A		3	12	31	480			0			32	--	1	--	20 A	SPARE
--	--	--	--	--	33		480			0		34	--	1	--	20 A	SPARE
--	--	--	--	--	35			480			0	36	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	37	0			0			38	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	39		0			0		40	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	41			0			0	42	--	1	--	20 A	SPARE

FEED THRU LOAD	A	B	C		CONNECTED LOAD TOTAL
0 VA	7820	6395	7460	TOTAL (VA)	20235 VA
	67 A	53 A	64 A	AMPS/PHASE	

AIC RATING 22000 AMPS RMS SYSM.

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	0 VA	0.00%	0 VA		
LIGHTING	15 VA	125.00%	19 VA	Total Conn. Load:	20235 VA
Other	1500 VA	100.00%	1500 VA	Total Est. Demand:	15879 VA
RECEPT	18720 VA	76.71%	14360 VA	Total Conn. Current:	56 A
				Total Est. Demand Current:	44 A

NOTES:

CIRCUIT BREAKER TYPE:

<BLANK>	THERMAL MAGNETIC CIRCUIT BREAKER
GF	5 mA GROUND FAULT CIRCUIT BREAKER
AF	ARC-FAULT CIRCUIT BREAKER
CO	COMBINATION AFCI/GFCI CIRCUIT BREAKER
EG	30 mA EQUIPMENT GROUND FAULT CIRCUIT BREAKER
ST	SHUNT TRIP CIRCUIT BREAKER

PANELBOARD GENERAL NOTES

1. PROVIDE EQUIPMENT LABELING PER SPECIFICATIONS 26 0553. THE LABEL SHALL IDENTIFY THE DEVICE OR EQUIPMENT WHERE THE POWER SUPPLE ORIGINATES, AND THE SYSTEM VOLTAGE, PHASE OR LINE AND SYSTEM AT TALL TERMINATION, CONNECTION, AND SPLICE POINTS. FOR EXAMPLE: FEEDER POWER SUPPLY FOR PANEL "XX" ORIGINATES AT PANEL "XX" (OR SWITCHBOARD "XX", TRANSFORMER "XX", SWITCH "XX", ETC.); 120/208 VOLTS, 3-PHASE, PHASE COLOR IDENTIFICATION (OR 120/240, 277/480, ETC.).
2. PROVIDE TYPED PANELBOARD INDEXES AS EACH PANELBOARD. FILL OUT PANELBOARD'S CIRCUIT DIRECTORY CARD UPON COMPLETION OF INSTALLATION WORK. UTILIZE ACTUAL FINAL BUILDING ROOM NUMBERS, NOT ARCHITECTURAL NUMBERS USED ON DRAWINGS. IDENTIFY INDIVIDUAL LIGHTING CIRCUITS, INDIVIDUAL RECEPTACLE CIRCUITS BY ROOM SERVER, LIGHTING CIRCUITS, INDIVIDUAL RECEPTACLE CIRCUITS BY ROOM NUMBERS AND EQUIPMENT NAMES. INCLUDE ROOM NUMBER WITH EQUIPMENT CIRCUIT DESIGNATIONS. ALL DIRECTORIES TO BE TYPEWRITTEN.
3. PROVIDE AIC AND ARC-FLASH HAZARD LABELS PER THE SPECIFICATIONS AND NEC.
4. ALL MECHANICAL AND KITCHEN EQUIPMENT BREAKERS TO BE SIZED PER THE MECHANICAL EQUIPMENT SCHEDULE AND KITCHEN EQUIPMENT SCHEDULE.
5. PROVIDE ALL REQUIRED LUG ADAPTERS, PIN REDUCERS, POLARIS LUG KITS, ETC. AS REQUIRED. PROVIDE NEC SIZED JUNCTION BOX AHEAD OF PANELBOARD/GEAR AS NEEDED TO LOCATED AND TERMINATE CONDUCTORS ON POLARIS LUG ADAPTERS (<10' FROM FINAL TERMINATION AT PANELBOARD). SIZE DOWN TO CONDUCTORS THAT FIT THE AVAILABLE LUGS AND/OR BREAKERS.

INDEX OF PANELBOARD SCHEDULE

L1	L3	L5
L2	L4	L6

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JORDAN SCHOOL DISTRICT

JORDAN LEARNING CENTER
3706 WEST 9800 SOUTH
SOUTH JORDAN, UT 84009

SEAL
8/29/2024
BRIAN HICKS
No. 7709037-2202

MHTN PROJECT NO. 2024528

Original drawing is 30 x 42. Do not scale contents of this drawing.

REVISIONS
CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE.

NO.△	DATE	DESCRIPTION
1	9/6/24	Addendum #1

ISSUE
CONSTRUCTION DOCUMENTS
AUGUST 29, 2024

SHEET NAME
PANELBOARD SCHEDULES

SHEET NUMBER
E370

Autodesk Docs://2024528 JSD Retail Remodel/24133 - JSD_LEARNING Center ELEC V24.rvt
9/12/2024 9:53:26 PM

PANELBOARD SCHEDULE

PANEL: EHL **TYPE:** Type 1 **VOLTS:** 480/277 Y **PHASE:** 3 **WIRES:** 4

MOUNTING: SURFACE **LOCATION:** ELECTRICAL A142 **MAINS:** MCB

BUSSING: **FED FROM:** XFER SW

AMP: 60 A

____ SUBFEED LUGS
__X__ DOOR-IN-DOOR
____ ISO GROUND
____ 200% NEUTRAL
____ SPD

BRANCH BREAKERS

ITEM	AMPS	TYPE	POLE	WIRE SIZE	CIR. NO.	A	B	C	A	B	C	CIR. NO.	WIRE SIZE	POLE	TYPE	AMPS	ITEM
RECEPT, MDF A147	20 A		1	12	1	360			0			2	--	1	--	20 A	SPARE
FACP	20 A		1	12	3		500			0		4	--	1	--	20 A	SPARE
RECEPT, MDF A147	20 A		1		5			360			0	6	--	1	--	20 A	SPARE
RECEPT, MDF A147	20 A		1		7	720			0			8	--	1	--	20 A	SPARE
PSP	20 A		1		9		500			--		10	--	1	--	--	SPACE ONLY
ACS	20 A		1		11			500			--	12	--	1	--	--	SPACE ONLY
IDS	20 A		1		13	500			--			14	--	1	--	--	SPACE ONLY
SPARE	20 A	--	1	--	15		0			--		16	--	1	--	--	SPACE ONLY
SPARE	20 A	--	1	--	17			0			--	18	--	1	--	--	SPACE ONLY
SPARE	20 A	--	1	--	19	0			--			20	--	1	--	--	SPACE ONLY
SPARE	20 A	--	1	--	21		0			--		22	--	1	--	--	SPACE ONLY
						1580	1000	860	**TOTAL (VA)**								**CONNECTED LOAD TOTAL**
FEED THRU LOAD						13 A	9 A	7 A	**AMPS/PHASE**								1440 VA
0 VA																	

AIC RATING 14000 **AMPS RMS SYSM.**

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
LIGHTING	11152 VA	125.00%	13940 VA		
Other	60 VA	100.00%	60 VA	**Total Conn. Load:**	12652 VA
RECEPT	1440 VA	100.00%	1440 VA	**Total Est. Demand:**	15440 VA
				Total Conn. Current:	15 A
				Total Est. Demand Current:	19 A

NOTES:

CIRCUIT BREAKER TYPE:

<BLANK>	THERMAL MAGNETIC CIRCUIT BREAKER
GF	5 mA GROUND FAULT CIRCUIT BREAKER
AF	ARC-FAULT CIRCUIT BREAKER
CO	COMBINATION AFCI/GFCI CIRCUIT BREAKER
EG	30 mA EQUIPMENT GROUND FAULT CIRCUIT BREAKER
ST	SHUNT TRIP CIRCUIT BREAKER

PANELBOARD SCHEDULE

PANEL: H1 **TYPE:** Type 1 **VOLTS:** 480/277 Y **PHASE:** 3 **WIRES:** 4

MOUNTING: SURFACE **LOCATION:** ELECTRICAL A142 **MAINS:** MLO

BUSSING: **FED FROM:** MDP

AMP: 225 A

____ SUBFEED LUGS
__X__ DOOR-IN-DOOR
____ ISO GROUND
____ 200% NEUTRAL
____ SPD

BRANCH BREAKERS

ITEM	AMPS	TYPE	POLE	WIRE SIZE	CIR. NO.	A	B	C	A	B	C	CIR. NO.	WIRE SIZE	POLE	TYPE	AMPS	ITEM
LIGHTING, Room A116, A126	20 A		1	12	1	44				145		2	12	1		20 A	LIGHTING
LIGHTING	20 A		1	12	3		408				282	4	12	1		20 A	LIGHTING, Other, Room A150, A154
LIGHTING, Room A146, A147,...	20 A		1	12	5			1488			227	6	12	1		20 A	LIGHTING, OUTDOOR PLAY A156
LIGHTING, MULTIPURPOSE...	20 A		1	12	7	154			351			8	12	1		20 A	LIGHTING, Other, CONFERENCE...
LIGHTING, VIRTUAL SCHOOLS...	20 A		1	12	9		350			187		10	12	1		20 A	LIGHTING, MULTIPURPOSE B119
LIGHTING, Room A100, A103	20 A		1	12	11			415			715	12	12	1		20 A	LIGHTING
LIGHTING, Room B110, B115	20 A		1	12	13	857			1198			14	12	1		20 A	LIGHTING, MECH B134
LIGHTING	20 A		1	12	15		1137			1025		16	12	1		20 A	LIGHTING
LIGHTING, CUSTODIAL B133	20 A		1	12	17			1234			1882	18	12	1		20 A	LIGHTING
LIGHTING	20 A		1	12	19	1445			1111			20	12	1		20 A	LIGHTING
LIGHTING, STUDENT...	20 A		1	12	21		1771			840		22	12	1		20 A	LIGHTING, CORRIDOR A140
LIGHTING	20 A		1	12	23			1059			2699	24	12	1		20 A	LIGHTING, Room A142, A144
SPARE	20 A	--	1	--	25	0			1394			26	12	1		20 A	LIGHTING
SPARE	20 A	--	1	--	27		0			0		28	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	29			0			0	30	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	31	0			0			32	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	33		0			0		34	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	35			0			0	36	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	37	0			0			38	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	39		0			0		40	--	1	--	20 A	SPARE
SPACE ONLY	--	--	1	--	41			--			--	42	--	1	--	--	SPACE ONLY
SPACE ONLY	--	--	1	--	43	--			--			44	--	1	--	--	SPACE ONLY
SPACE ONLY	--	--	1	--	45		--			--		46	--	1	--	--	SPACE ONLY
SPACE ONLY	--	--	1	--	47			--			--	48	--	1	--	--	SPACE ONLY
SPACE ONLY	--	--	1	--	49	--			--			50	--	1	--	--	SPACE ONLY
SPACE ONLY	--	--	1	--	51		--			--		52	--	1	--	--	SPACE ONLY
SPACE ONLY	--	--	1	--	53			--			--	54	--	1	--	--	SPACE ONLY
SPACE ONLY	--	--	1	--	55	--			--			56	--	1	--	--	SPACE ONLY
SPACE ONLY	--	--	1	--	57		--			--		58	--	1	--	--	SPACE ONLY
SPACE ONLY	--	--	1	--	59			--			--	60	--	1	--	--	SPACE ONLY
						6698	6000	9719	**TOTAL (VA)**								**CONNECTED LOAD TOTAL**
FEED THRU LOAD						25 A	22 A	35 A	**AMPS/PHASE**								22417 VA
0 VA																	

AIC RATING 30000 **AMPS RMS SYSM.**

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
LIGHTING	22047 VA	125.00%	27559 VA		
Other	370 VA	100.00%	370 VA	**Total Conn. Load:**	22417 VA
				Total Est. Demand:	27929 VA
				Total Conn. Current:	27 A
				Total Est. Demand Current:	34 A

NOTES:

CIRCUIT BREAKER TYPE:

<BLANK>	THERMAL MAGNETIC CIRCUIT BREAKER
GF	5 mA GROUND FAULT CIRCUIT BREAKER
AF	ARC-FAULT CIRCUIT BREAKER
CO	COMBINATION AFCI/GFCI CIRCUIT BREAKER
EG	30 mA EQUIPMENT GROUND FAULT CIRCUIT BREAKER
ST	SHUNT TRIP CIRCUIT BREAKER

PANELBOARD SCHEDULE

PANEL: HM1 **TYPE:** Type 1 **VOLTS:** 480/277 Y **PHASE:** 3 **WIRES:** 4

MOUNTING: SURFACE **LOCATION:** ELECTRICAL A142 **MAINS:** MLO

BUSSING: **FED FROM:** MDP

AMP: 225 A

____ SUBFEED LUGS
__X__ DOOR-IN-DOOR
____ ISO GROUND
____ 200% NEUTRAL
____ SPD

BRANCH BREAKERS

ITEM	AMPS	TYPE	POLE	WIRE SIZE	CIR. NO.	A	B	C	A	B	C	CIR. NO.	WIRE SIZE	POLE	TYPE	AMPS	ITEM
RT-1	20 A		3		1	1995			2660			2	12	1		20 A	RT-19
--	--	--	--	--	3		1995			2660		4	--	--	--	--	--
--	--	--	--	--	5			1995			2660	6	--	--	--	--	--
RT-25	20 A		3		7	1995			1995			8		3		20 A	RT-24
--	--	--	--	--	9		1995			1995		10	--	--	--	--	--
--	--	--	--	--	11			1995			1995	12	--	--	--	--	--
RT-18	20 A		3		13	2660			1995			14		3		20 A	RT-23
--	--	--	--	--	15		2660			1995		16	--	--	--	--	--
--	--	--	--	--	17			2660			1995	18	--	--	--	--	--
RT-14	20 A		3		19	2660			2660			20		3		20 A	RT-16
--	--	--	--	--	21		2660			2660		22	--	--	--	--	--
--	--	--	--	--	23			2660			2660	24	--	--	--	--	--
RT-13	20 A		3		25	2660			2660			26		3		20 A	RT-20
--	--	--	--	--	27		2660			2660		28	--	--	--	--	--
--	--	--	--	--	29			2660			2660	30	--	--	--	--	--
RT-17	20 A		3		31	1995			2660			32		3		20 A	RT-11
--	--	--	--	--	33		1995			2660		34	--	--	--	--	--
--	--	--	--	--	35			1995			2660	36	--	--	--	--	--
RT-22	20 A		3		37	2660			1995			38		3		20 A	RT-10
--	--	--	--	--	39		2660			1995		40	--	--	--	--	--
--	--	--	--	--	41			2660			1995	42	--	--	--	--	--
RT-4	20 A		3		43	2660			1995			44		3		20 A	RT-21
--	--	--	--	--	45		2660			1995		46	--	--	--	--	--
		--	--	--	47			2660			1995	48	--	--	--	--	--
SPARE	20 A	--	1	--	49	0			0			50		1		20 A	SPARE
SPARE	20 A	--	1	--	51		0			0		52	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	53			0			0	54	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	55	0			0			56	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	57		0			0		58	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	59			0			0	60	--	1	--	20 A	SPARE
						37911	37911	37911	**TOTAL (VA)**								**CONNECTED LOAD TOTAL**
FEED THRU LOAD						137 A	137 A	137 A	**AMPS/PHASE**								113733 VA
0 VA																	

AIC RATING 30000 **AMPS RMS SYSM.**

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	113733 VA	100.00%	113733 VA		
				Total Conn. Load:	113733 VA
				Total Est. Demand:	113733 VA
				Total Conn. Current:	137 A
				Total Est. Demand Current:	137 A

NOTES:

CIRCUIT BREAKER TYPE:

<BLANK>	THERMAL MAGNETIC CIRCUIT BREAKER
GF	5 mA GROUND FAULT CIRCUIT BREAKER
AF	ARC-FAULT CIRCUIT BREAKER
CO	COMBINATION AFCI/GFCI CIRCUIT BREAKER
EG	30 mA EQUIPMENT GROUND FAULT CIRCUIT BREAKER
ST	SHUNT TRIP CIRCUIT BREAKER

PANELBOARD SCHEDULE

PANEL: ELL **TYPE:** Type 1 **VOLTS:** 120/208 Y **PHASE:** 3 **WIRES:** 4

MOUNTING: SURFACE **LOCATION:** ELECTRICAL A142 **MAINS:** MLO

BUSSING: **FED FROM:** TX-ELL

AMP: 125 A

____ SUBFEED LUGS
__X__ DOOR-IN-DOOR
____ ISO GROUND
____ 200% NEUTRAL
____ SPD

BRANCH BREAKERS

ITEM	AMPS	TYPE	POLE	WIRE SIZE	CIR. NO.	A	B	C	A	B	C	CIR. NO.	WIRE SIZE	POLE	TYPE	AMPS	ITEM
RECEPT, MDF A147	20 A		1		1	360			0			2	--	1	--	20 A	SPARE
FACP	20 A		1	12	3		500			0		4	--	1	--	20 A	SPARE
RECEPT, MDF A147	20 A		1		5			360			0	6	--	1	--	20 A	SPARE
RECEPT, MDF A147	20 A		1		7	720			0			8	--	1	--	20 A	SPARE
PSP	20 A		1		9		500			--		10	--	1	--	--	SPACE ONLY
ACS	20 A		1		11			500			--	12	--	1	--	--	SPACE ONLY
IDS	20 A		1		13	500			--			14	--	1	--	--	SPACE ONLY
SPARE	20 A	--	1	--	15		0			--		16	--	1	--	--	SPACE ONLY
SPARE	20 A	--	1	--	17			0			--	18	--	1	--	--	SPACE ONLY
SPARE	20 A	--	1	--	19	0			--			20	--	1	--	--	SPACE ONLY
SPARE	20 A	--	1	--	21		0			--		22	--	1	--	--	SPACE ONLY
						1580	1000	860	**TOTAL (VA)**								**CONNECTED LOAD TOTAL**
FEED THRU LOAD						13 A	9 A	7 A	**AMPS/PHASE**								1440 VA
0 VA																	

AIC RATING 14000 **AMPS RMS SYSM.**

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
RECEPT	1440 VA	100.00%	1440 VA		
				Total Conn. Load:	1440 VA
				Total Est. Demand:	1440 VA
				Total Conn. Current:	4 A
				Total Est. Demand Current:	4 A

NOTES:

CIRCUIT BREAKER TYPE:

<BLANK>	THERMAL MAGNETIC CIRCUIT BREAKER
GF	5 mA GROUND FAULT CIRCUIT BREAKER
AF	ARC-FAULT CIRCUIT BREAKER
CO	COMBINATION AFCI/GFCI CIRCUIT BREAKER
EG	30 mA EQUIPMENT GROUND FAULT CIRCUIT BREAKER
ST	SHUNT TRIP CIRCUIT BREAKER

PANELBOARD SCHEDULE

PANEL: LM1 **TYPE:** Type 1 **VOLTS:** 120/208 Y **PHASE:** 3 **WIRES:** 4

MOUNTING: SURFACE **LOCATION:** ELECTRICAL A142 **MAINS:** MLO

BUSSING: **FED FROM:** LDP

AMP: 225 A

____ SUBFEED LUGS
__X__ DOOR-IN-DOOR
____ ISO GROUND
____ 200% NEUTRAL
____ SPD

BRANCH BREAKERS

ITEM	AMPS	TYPE	POLE	WIRE SIZE	CIR. NO.	A	B	C	A	B	C	CIR. NO.	WIRE SIZE	POLE	TYPE	AMPS	ITEM
RECEPT	20 A		1	12	1	900			456			2	12	1		20 A	EF-10
RECEPT	20 A		1	12	3		540			456		4	12	1		20 A	EF-6
EF-9	20 A		1	12	5			456			456	6	12	1		20 A	EF-7
EF-11	20 A		1	12	7	696			456			8	12	1		20 A	EF-8
ACO - 2	20 A		2		9		1165			600		10	12	1		20 A	GENERATOR HEATER
--	--	--	--	--	11			1165			600	12	12	1		20 A	BATTERY CHARGER
ACO - 1	20 A		2		13	1165			456			14	12	1		20 A	EF-4
--	--	--	--	--	15		1165			456		16	12	1		20 A	EF-5
SPARE	20 A	--	1	--	17			0			0	18	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	19	0			0			20	--	1	--	20 A	SPARE
SPACE ONLY	--	--	1	--	21		--			0		22	--	1	--	20 A	SPARE
SPACE ONLY	--	--	1	--	23			--			0	24	--	1	--	20 A	SPARE
SPACE ONLY	--	--	1	--	25	--			0			26	--	1	--	20 A	SPARE
SPACE ONLY	--	--	1	--	27		--			0		28	--	1	--	20 A	SPARE
SPACE ONLY	--	--	1	--	29			--			--	30	--	1	--	--	SPACE ONLY
SPACE ONLY	--	--	1	--	31	--			--			32	--	1	--	--	SPACE ONLY
SPACE ONLY	--	--	1	--	33		--			--		34	--	1	--	--	SPACE ONLY
SPACE ONLY	--	--	1	--	35			--			--	36	--	1	--	--	SPACE ONLY
SPACE ONLY	--	--	1	--	37	--			--			38	--	1	--	--	SPACE ONLY
SPACE ONLY	--	--	1	--	39		--			--		40	--	1	--	--	SPACE ONLY
SPACE ONLY	--	--	1	--	41			--			--	42	--	1	--	--	SPACE ONLY
						4129	4382	2677	**TOTAL (VA)**								**CONNECTED LOAD TOTAL**
FEED THRU LOAD						36 A	38 A	22 A	**AMPS/PHASE**								11187 VA
0 VA																	

AIC RATING 22000 **AMPS RMS SYSM.**

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	8547 VA	100.00%	8547 VA		
RECEPT	2640 VA	100.00%	2640 VA	**Total Conn. Load:**	11187 VA
				Total Est. Demand:	11187 VA
				Total Conn. Current:	31 A
				Total Est. Demand Current:	31 A

NOTES:

CIRCUIT BREAKER TYPE:

<BLANK>	THERMAL MAGNETIC CIRCUIT BREAKER
GF	5 mA GROUND FAULT CIRCUIT BREAKER
AF	ARC-FAULT CIRCUIT BREAKER
CO	COMBINATION AFCI/GFCI CIRCUIT BREAKER
EG	30 mA EQUIPMENT GROUND FAULT CIRCUIT BREAKER
ST	SHUNT TRIP CIRCUIT BREAKER

PANELBOARD SCHEDULE

PANEL: LM2 **TYPE:** Type 1 **VOLTS:** 120/208 Y **PHASE:** 3 **WIRES:** 4

MOUNTING: SURFACE **LOCATION:** MECH B134 **MAINS:** MLO

BUSSING: **FED FROM:** LDP

AMP: 225 A

____ SUBFEED LUGS
__X__ DOOR-IN-DOOR
____ ISO GROUND
____ 200% NEUTRAL
____ SPD

BRANCH BREAKERS

ITEM	AMPS	TYPE	POLE	WIRE SIZE	CIR. NO.	A	B	C	A	B	C	CIR. NO.	WIRE SIZE	POLE	TYPE	AMPS	ITEM
, PREP & STORAGE B129	20 A		1	12	1	1200			360			2	12	1		20 A	RECEPT, Room B131, B132
EF-12	20 A		1	12	3		696			456		4	12	1		20 A	EF-2
RECEPT, Room B130, B133,...	20 A		1	12	5			720			960	6	12	1		20 A	WH-1
CP-1	20 A		1	12	7	528			2500			8	10	2		25 A	EUH-1
EUH-2	25 A		2	10	9		2500			2500		10	--	--	--	--	--
--	--	--	--	--	11			2500			456	12	12	1		20 A	EF-3
BUS	20 A		2	6	13	750			456			14	12	1		20 A	EF-1
--	--	--	--	--	15		750			900		16	12	1		20 A	RECEPT
FIRE ALARM, MECH B134	20 A		1	12	17			500			1080	18	12	1		20 A	RECEPT
SPARE	20 A	--	1	--	19	0			1080			20	12	1		20 A	RECEPT
SPARE	20 A	--	1	--	21		0			0		22	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	23			0			0	24	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	25	0			0			26	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	27		0			0		28	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	29			0			0	30	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	31	0			0			32	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	33		0			0		34	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	35			0			0	36	--	1	--	20 A	SPARE
SPACE ONLY	--	--	1	--	37	--			0			38	--	1	--	--	SPACE ONLY
SPACE ONLY	--	--	1	--	39		--			--		40	--	1	--	--	SPACE ONLY
SPACE ONLY	--	--	1	--	41			--			--	42	--	1	--	--	SPACE ONLY
						6874	7802	6216	**TOTAL (VA)**								**CONNECTED LOAD TOTAL**
FEED THRU LOAD						58 A	66 A	52 A	**AMPS/PHASE**								20392 VA
0 VA																	

AIC RATING 22000 **AMPS RMS SYSM.**

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	14752 VA	100.00%	14752 VA		
POWER	1500 VA	100.00%	1500 VA	**Total Conn. Load:**	20392 VA
RECEPT	4140 VA	100.00%	4140 VA	**Total Est. Demand:**	20392 VA
				Total Conn. Current:	57 A
				Total Est. Demand Current:	57 A

NOTES:

CIRCUIT BREAKER TYPE:

<BLANK>	THERMAL MAGNETIC CIRCUIT BREAKER
GF	5 mA GROUND FAULT CIRCUIT BREAKER
AF	ARC-FAULT CIRCUIT BREAKER
CO	COMBINATION AFCI/GFCI CIRCUIT BREAKER
EG	30 mA EQUIPMENT GROUND FAULT CIRCUIT BREAKER
ST	SHUNT TRIP CIRCUIT BREAKER

PANELBOARD GENERAL NOTES

1. PROVIDE EQUIPMENT LABELING PER SPECIFICATIONS 26 0553. THE LABEL SHALL IDENTIFY THE DEVICE OR EQUIPMENT WHERE THE POWER SUPPLE ORIGINATES, AND THE SYSTEM VOLTAGE, PHASE OR LINE AND SYSTEM AT TALL TERMINATION, CONNECTION, AND SPLICE POINTS. FOR EXAMPLE: FEEDER POWER SUPPLY FOR PANEL "XX" ORIGINATES AT PANEL "XX" (OR SWITCHBOARD "XX", TRANSFORMER "XX", SWITCH "XX", ETC.); 120/208 VOLTS, 3-PHASE, PHASE COLOR IDENTIFICATION (OR 120/240, 277/480, ETC.).
2. PROVIDE TYPED PANELBOARD INDEXES AS EACH PANELBOARD. FILL OUT PANELBOARD'S CIRCUIT DIRECTORY CARD UPON COMPLETION OF INSTALLATION WORK. UTILIZE ACTUAL FINAL BUILDING ROOM NUMBERS, NOT ARCHITECTURAL NUMBERS USED ON DRAWINGS. IDENTIFY INDIVIDUAL LIGHTING CIRCUITS, INDIVIDUAL RECEPTACLE CIRCUITS BY ROOM SERVER, LIGHTING CIRCUITS, INDIVIDUAL RECEPTACLE CIRCUITS BY ROOM NUMBERS AND EQUIPMENT NAMES. INCLUDE ROOM NUMBER WITH EQUIPMENT CIRCUIT DESIGNATIONS. ALL DIRECTORIES TO BE TYPEWRITTEN.
3. PROVIDE AIC AND ARC-FLASH HAZARD LABELS PER THE SPECIFICATIONS AND NEC.
4. ALL MECHANICAL AND KITCHEN EQUIPMENT BREAKERS TO BE SIZED PER THE MECHANICAL EQUIPMENT SCHEDULE AND KITCHEN EQUIPMENT SCHEDULE.
5. PROVIDE ALL REQUIRED LUG ADAPTERS, PIN REDUCERS, POLARIS LUG KITS, ETC. AS REQUIRED. PROVIDE NEC SIZED JUNCTION BOX AHEAD OF PANELBOARD/GEAR AS NEEDED TO LOCATED AND TERMINATE CONDUCTORS ON POLARIS LUG ADAPTERS (<10' FROM FINAL TERMINATION AT PANELBOARD). SIZE DOWN TO CONDUCTORS THAT FIT THE AVAILABLE LUGS AND/OR BREAKERS.

INDEX OF PANELBOARD SCHEDULE

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SEAL

MHTN PROJECT NO. 2024528

Original drawing is 30 x 42. Do not scale contents of this drawing.

REVISIONS
CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE.

NO.	DATE	DESCRIPTION
2	09/13/2024	Addendum #2

ISSUE
CONSTRUCTION DOCUMENTS
AUGUST 29, 2024

SHEET NAME
PANELBOARD SCHEDULES

SHEET NUMBER
E371

PANELBOARD SCHEDULE

PANEL: L7 TYPE: Type 1 VOLTS: 120/208 Y PHASE: 3 WIRES: 4

MOUNTING: SURFACE LOCATION: STORAGE B116 MAINS: MLO

BUSSING: FED FROM:

AMP: 225 A

____ SUBFEED LUGS
____ DOOR-IN-DOOR
____ ISO GROUND
____ 200% NEUTRAL
____ SPD

BRANCH BREAKERS

ITEM	AMPS	TYPE	POLE	WIRE SIZE	CIR. NO.	A	B	C	A	B	C	CIR. NO.	WIRE SIZE	POLE	TYPE	AMPS	ITEM
RECEPT MULTIPURPOSE B119	20 A		1		1	360			360			2		1		20 A	RECEPT STORAGE B102
RECEPT MULTIPURPOSE B119	20 A		1		3		360			360		4		1		20 A	RECEPT STORAGE B102
RECEPT MULTIPURPOSE B119	20 A		1		5			360			360	6		1		20 A	RECEPT STORAGE B102
RECEPT MULTIPURPOSE B119	20 A		1		7	360						8					
RECEPT MULTIPURPOSE B119	20 A		1		9		360					10					
RECEPT MULTIPURPOSE B119	20 A		1		11			360				12					
RECEPT MULTIPURPOSE B119	20 A		1		13	360						14					
RECEPT MULTIPURPOSE B119	20 A		1		15		360					16					
RECEPT MULTIPURPOSE B119	20 A		1		17			360				18					
RECEPT MULTIPURPOSE B119	20 A		1		19	360						20					
RECEPT MULTIPURPOSE B119	20 A		1		21		360					22					
RECEPT MULTIPURPOSE B119	20 A		1		23			540				24					
Other	20 A		1		25	1060						26					
RECEPT STORAGE B124	20 A		1		27		360					28					
RECEPT STORAGE B124	20 A		1		29			360				30					
RECEPT STORAGE B124	20 A		1		31	540						32					
SPARE	20 A	--	1	--	33		0			0		34	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	35			0			0	36	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	37	0			0			38	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	39		0			0		40	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	41			0			0	42	--	1	--	20 A	SPARE

FEED THRU LOAD 0 VA

A	B	C	
3400	2160	2340	TOTAL (VA)
29 A	18 A	20 A	AMPS/PHASE

CONNECTED LOAD TOTAL 7900 VA

AIC RATING ________ AMPS RMS SYSM.

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Other	1060 VA	100.00%	1060 VA		
RECEPT	6840 VA	100.00%	6840 VA	Total Conn. Load:	7900 VA
				Total Est. Demand:	7900 VA
				Total Conn. Current:	22 A
				Total Est. Demand Current:	22 A

NOTES:

CIRCUIT BREAKER TYPE:

<BLANK> THERMAL MAGNETIC CIRCUIT BREAKER
GF 5 mA GROUND FAULT CIRCUIT BREAKER
AF ARC-FAULT CIRCUIT BREAKER
CO COMBINATION AFCI/GFCI CIRCUIT BREAKER
EG 30 mA EQUIPMENT GROUND FAULT CIRCUIT BREAKER
ST SHUNT TRIP CIRCUIT BREAKER

PANELBOARD SCHEDULE

PANEL: HM2 TYPE: Type 1 VOLTS: 480/277 Y PHASE: 3 WIRES: 4

MOUNTING: SURFACE LOCATION: MECH B134 MAINS: MLO

BUSSING: FED FROM: MDP

AMP: 225 A

____ SUBFEED LUGS
X DOOR-IN-DOOR
____ ISO GROUND
____ 200% NEUTRAL
____ SPD

BRANCH BREAKERS

ITEM	AMPS	TYPE	POLE	WIRE SIZE	CIR. NO.	A	B	C	A	B	C	CIR. NO.	WIRE SIZE	POLE	TYPE	AMPS	ITEM
RT-2	20 A		3		1	1995			2660			2		3		20 A	RT-9
--	--	--	--	--	3		1995			2660		4	--	--	--	--	--
--	--	--	--	--	5			1995			2660	6	--	--	--	--	--
RT-3	20 A		3		7	2660			2660			8		3		20 A	RT-8
--	--	--	--	--	9		2660			2660		10	--	--	--	--	--
--	--	--	--	--	11			2660			2660	12	--	--	--	--	--
RT-15	20 A		3		13	2660			2660			14		3		20 A	RT-7
--	--	--	--	--	15		2660			2660		16	--	--	--	--	--
--	--	--	--	--	17			2660			2660	18	--	--	--	--	--
RT-5	20 A		3		19	3769			1995			20		3		20 A	RT-12
--	--	--	--	--	21		3769			1995		22	--	--	--	--	--
--	--	--	--	--	23			3769			1995	24	--	--	--	--	--
RT-6	20 A		3		25	3769			1438			26		1		20 A	LIGHTING
--	--	--	--	--	27		3769			40		28		1		20 A	LIGHTING
--	--	--	--	--	29			3769			0	30	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	31	0			0			32	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	33		0			0		34	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	35			0			0	36	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	37	0			0			38	--	1	--	20 A	SPARE
SPARE	20 A	--	1	--	39		0			--		40	--	1	--	--	SPACE ONLY
SPARE	20 A	--	1	--	41			0			--	42	--	1	--	--	SPACE ONLY
SPACE ONLY	--	--	1	--	43	--			--			44	--	1	--	--	SPACE ONLY
SPACE ONLY	--	--	1	--	45		--			--		46	--	1	--	--	SPACE ONLY
SPACE ONLY	--	--	1	--	47			--			--	48	--	1	--	--	SPACE ONLY
SPACE ONLY	--	--	1	--	49	--			--			50	--	1	--	--	SPACE ONLY
SPACE ONLY	--	--	1	--	51		--			--		52	--	1	--	--	SPACE ONLY
SPACE ONLY	--	--	1	--	53			--			--	54	--	1	--	--	SPACE ONLY
SPACE ONLY	--	--	1	--	55	--			--			56	--	1	--	--	SPACE ONLY
SPACE ONLY	--	--	1	--	57		--			--		58	--	1	--	--	SPACE ONLY
SPACE ONLY	--	--	1	--	59			--			--	60	--	1	--	--	SPACE ONLY

FEED THRU LOAD 0 VA

A	B	C	
26269	24871	24831	TOTAL (VA)
95 A	90 A	90 A	AMPS/PHASE

CONNECTED LOAD TOTAL 75970 VA

AIC RATING 30000 AMPS RMS SYSM.

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	74492 VA	100.00%	74492 VA		
LIGHTING	1478 VA	125.00%	1848 VA	Total Conn. Load:	75970 VA
				Total Est. Demand:	76340 VA
				Total Conn. Current:	91 A
				Total Est. Demand Current:	92 A

NOTES:

CIRCUIT BREAKER TYPE:

<BLANK> THERMAL MAGNETIC CIRCUIT BREAKER
GF 5 mA GROUND FAULT CIRCUIT BREAKER
AF ARC-FAULT CIRCUIT BREAKER
CO COMBINATION AFCI/GFCI CIRCUIT BREAKER
EG 30 mA EQUIPMENT GROUND FAULT CIRCUIT BREAKER
ST SHUNT TRIP CIRCUIT BREAKER

PANELBOARD GENERAL NOTES

1. PROVIDE EQUIPMENT LABELING PER SPECIFICATIONS 26 0553. THE LABEL SHALL IDENTIFY THE DEVICE OR EQUIPMENT WHERE THE POWER SUPPLE ORIGINATES, AND THE SYSTEM VOLTAGE, PHASE OR LINE AND SYSTEM AT TALL TERMINATION, CONNECTION, AND SPLICE POINTS. FOR EXAMPLE: FEEDER POWER SUPPLY FOR PANEL "XX" ORIGINATES AT PANEL "XX" (OR SWITCHBOARD "XX", TRANSFORMER "XX", SWITCH "XX", ETC.); 120/208 VOLTS, 3-PHASE, PHASE COLOR IDENTIFICATION (OR 120/240, 277/480, ETC.).
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5. PROVIDE ALL REQUIRED LUG ADAPTERS, PIN REDUCERS, POLARIS LUG KITS, ETC. AS REQUIRED. PROVIDE NEC SIZED JUNCTION BOX AHEAD OF PANELBOARD/GEAR AS NEEDED TO LOCATED AND TERMINATE CONDUCTORS ON POLARIS LUG ADAPTERS (<10' FROM FINAL TERMINATION AT PANELBOARD). SIZE DOWN TO CONDUCTORS THAT FIT THE AVAILABLE LUGS AND/OR BREAKERS.

INDEX OF PANELBOARD SCHEDULE

	L7	HM2

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SEAL

MHTN PROJECT NO. 2024528

Original drawing is 30 x 42. Do not scale contents of this drawing.

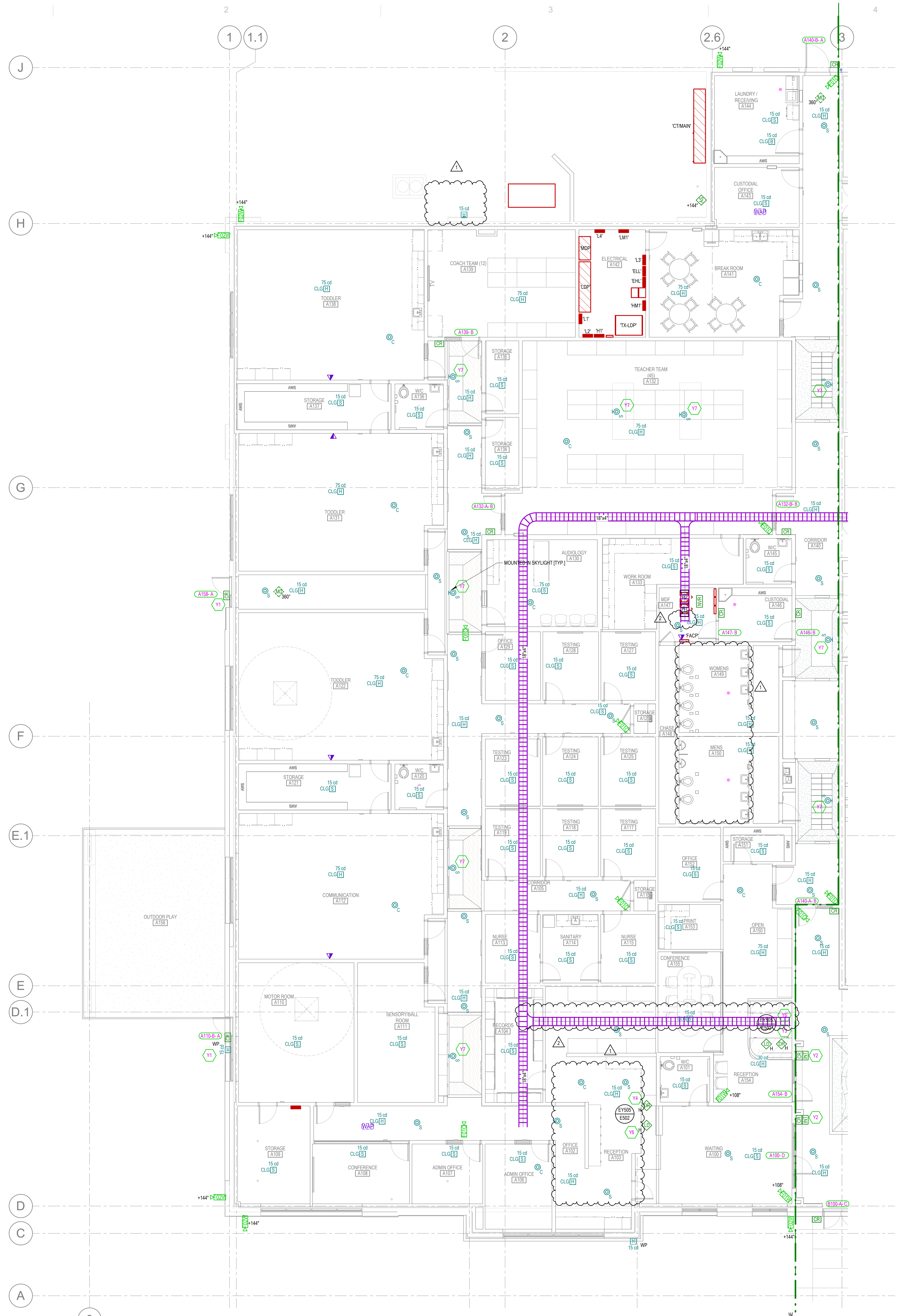
REVISIONS
CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE.

NO. △	DATE	DESCRIPTION
2	09/13/2024	Addendum #2

ISSUE
CONSTRUCTION DOCUMENTS
AUGUST 29, 2024

SHEET NAME
PANEL BOARD SCHEDULES

SHEET NUMBER
E372

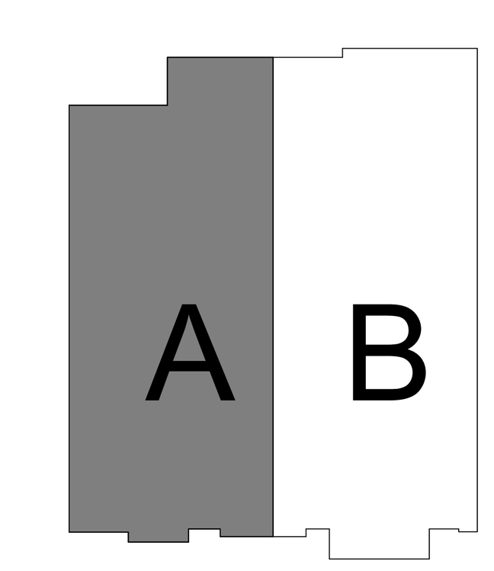


FIRST FLOOR SYSTEM PLAN - AREA A

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

SHEET KEYNOTES

Y1	MULLION MOUNTED CREDENTIAL CARD READER.
Y2	PRIOR TO STARTING ANY WORK OR ROUGH-IN COORDINATE WITH THE SCHOOL DISTRICT AND FIND OUT THE EXACT LOCATION AND THE MOUNTING HEIGHTS FOR THE SOLO INTERCOM DOOR STATIONS, AND DISCUSS THE OPERATIONAL REQUIREMENTS FOR EACH ONE. PROVIDE ALL OF THE NECESSARY CABLING THAT HOME RUNS BACK TO THE ACCESS CONTROL HEAD-END PANEL, THE VIDEO SURVEILLANCE NVR, AND TO THERE SIP PHONE SYSTEM. IT IS THE SECURITY CONTRACTOR IS RESPONSIBILITY TO PROVIDE A COMPLETE AND FULLY FUNCTIONING INTERCOM SYSTEM THAT MEETS THE MANUFACTURER'S SPECIFICATIONS AND OPERATES TO THE SCHOOL DISTRICTS REQUIREMENTS AND INSTRUCTIONS.
Y3	PRIOR TO STARTING ANY WORK OR ROUGH-IN COORDINATE A MEETING WITH THE SCHOOL DISTRICT AND THE MILLWORK DRAWINGS FOR THE EXACT LOCATION AND THE OPERATIONAL REQUIREMENTS FOR THE DOOR RELEASE BUTTON ON THE RECEPTIONIST DESK IN AREA #A154. PROVIDE ALL OF THE NECESSARY CABLING THAT WILL HOME RUN BACK TO THE ACCESS CONTROL HEAD-END PANEL. PROGRAM THE MOMENTARY DOOR RELEASE BUTTON TO OPERATE WITH THE ELECTRIFIED DOOR HARDWARE ON DOOR #A154. IT IS THE SECURITY CONTRACTOR RESPONSIBILITY TO PROVIDE A COMPLETE AND FULLY FUNCTIONING DOOR RELEASE SYSTEM THAT MEETS THE MANUFACTURER'S SPECIFICATIONS AND OPERATES TO THE SCHOOL DISTRICTS REQUIREMENTS AND INSTRUCTIONS.
Y4	PRIOR TO STARTING ANY WORK OR ROUGH-IN COORDINATE A MEETING WITH THE SCHOOL DISTRICT AND THE MILLWORK DRAWINGS FOR THE EXACT LOCATION AND THE OPERATIONAL REQUIREMENTS FOR THE DOOR RELEASE BUTTON ON THE RECEPTIONIST DESK IN AREA #A103. PROVIDE ALL OF THE NECESSARY CABLING THAT WILL HOME RUN BACK TO THE ACCESS CONTROL HEAD-END PANEL. PROGRAM THE MOMENTARY DOOR RELEASE BUTTON TO OPERATE WITH THE ELECTRIFIED DOOR HARDWARE ON DOOR #A100. IT IS THE SECURITY CONTRACTOR RESPONSIBILITY TO PROVIDE A COMPLETE AND FULLY FUNCTIONING DOOR RELEASE SYSTEM THAT MEETS THE MANUFACTURER'S SPECIFICATIONS AND OPERATES TO THE SCHOOL DISTRICTS REQUIREMENTS AND INSTRUCTIONS.
Y6	PRIOR TO STARTING ANY WORK OR ROUGH-IN COORDINATE A MEETING WITH THE SCHOOL DISTRICT AND THE MILLWORK DRAWINGS FOR THE EXACT LOCATION AND THE OPERATIONAL REQUIREMENTS FOR THE SCHOOL LOCKDOWN BUTTONS ON THE RECEPTIONIST DESKS. PROVIDE ALL OF THE NECESSARY CABLING THAT WILL HOME RUN BACK TO THE ACCESS CONTROL HEAD-END PANEL AND TO THE INTRUSION DETECTION HEAD-END PANEL. IT IS THE SECURITY CONTRACTOR RESPONSIBILITY TO PROVIDE A COMPLETE AND FULLY FUNCTIONING LOCKDOWN SYSTEM THAT MEETS THE MANUFACTURER'S SPECIFICATIONS AND OPERATES TO THE SCHOOL DISTRICTS REQUIREMENTS AND INSTRUCTIONS.
Y7	MOUNT SMOKE DETECTOR WITHIN SKYLIGHT. COORDINATE MOUNTING DETAILS WITH ARCHITECTURAL SKYLIGHT DETAIL.



KEY PLAN

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SEAL

PROFESSIONAL ENGINEER 8/29/2024 BRIAN HICKS No. 7709037-2202 STATE OF UTAH

MHTN PROJECT NO. 2024528

Original drawing is 30 x 42. Do not scale contents of this drawing.

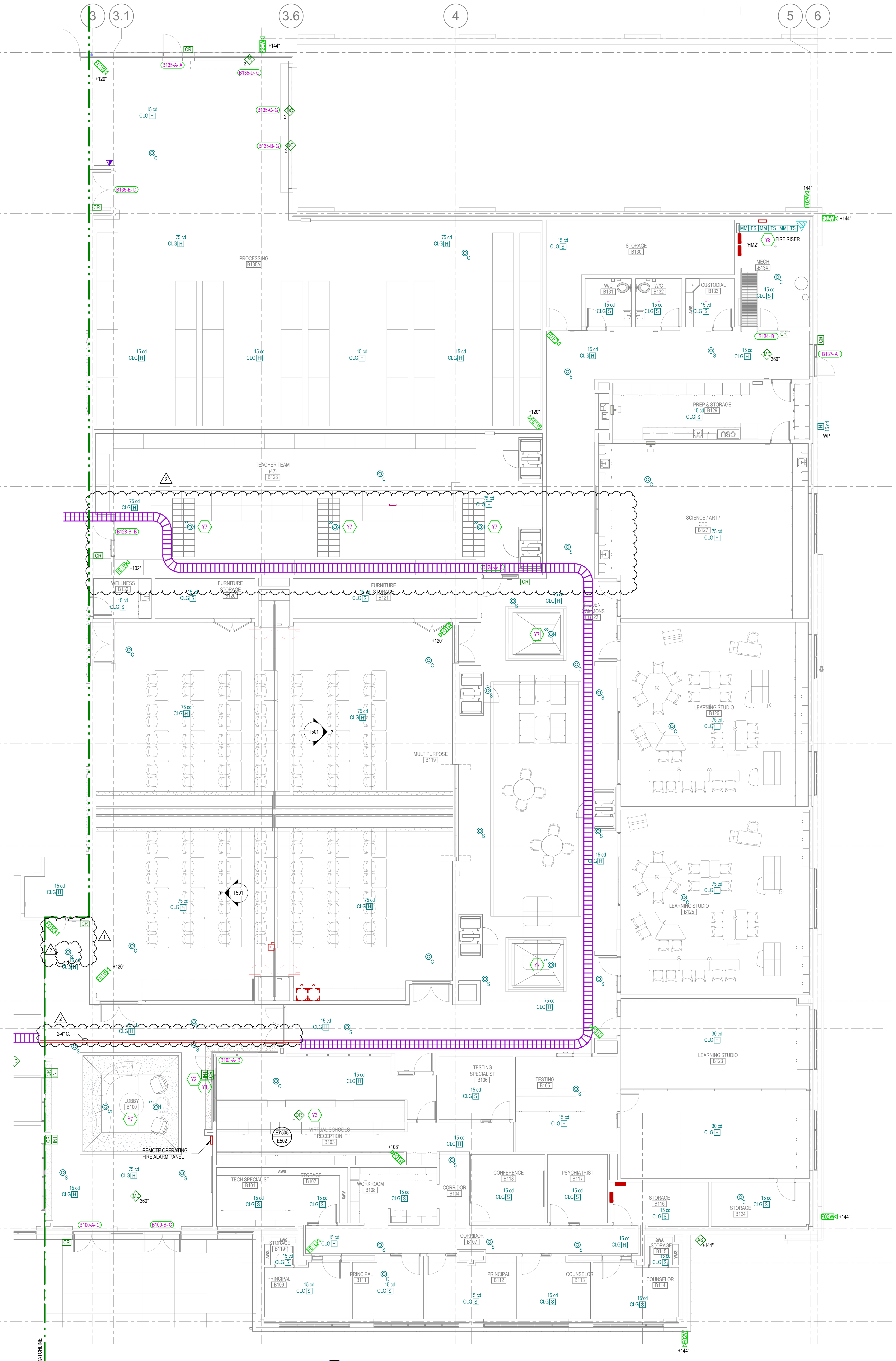
REVISIONS
CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE.

NO. △	DATE	DESCRIPTION
1	9/6/24	Addendum #1
2	09/13/2024	Addendum #2

ISSUE
CONSTRUCTION DOCUMENTS
AUGUST 29, 2024

SHEET NAME
FIRST FLOOR SYSTEM PLAN - AREA A

SHEET NUMBER
E411A



FIRST FLOOR SYSTEM PLAN - AREA B

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

SHEET KEYNOTES

Y1	MULLION MOUNTED CREDENTIAL CARD READER.
Y2	PRIOR TO STARTING ANY WORK OR ROUGH-IN COORDINATE WITH THE SCHOOL DISTRICT AND FIND OUT THE EXACT LOCATION AND THE MOUNTING HEIGHTS FOR THE SOLO INTERCOM DOOR STATIONS, AND DISCUSS THE OPERATIONAL REQUIREMENTS FOR EACH ONE. PROVIDE ALL OF THE NECESSARY CABLING THAT HOME RUNS BACK TO THE ACCESS CONTROL HEAD-END PANEL, THE VIDEO SURVEILLANCE NVR, AND TO THERE SIP PHONE SYSTEM. IT IS THE SECURITY CONTRACTOR IS RESPONSIBILITY TO PROVIDE A COMPLETE AND FULLY FUNCTIONING INTERCOM SYSTEM THAT MEETS THE MANUFACTURER'S SPECIFICATIONS AND OPERATES TO THE SCHOOL DISTRICTS REQUIREMENTS AND INSTRUCTIONS.
Y3	PRIOR TO STARTING ANY WORK OR ROUGH-IN COORDINATE A MEETING WITH THE SCHOOL DISTRICT AND THE MILLWORK DRAWINGS FOR THE EXACT LOCATION AND THE OPERATIONAL REQUIREMENTS FOR THE DOOR RELEASE BUTTON ON THE RECEPTIONIST DESK IN AREA #A154. PROVIDE ALL OF THE NECESSARY CABLING THAT WILL HOME RUN BACK TO THE ACCESS CONTROL HEAD-END PANEL. PROGRAM THE MOMENTARY DOOR RELEASE BUTTON TO OPERATE WITH THE ELECTRIFIED DOOR HARDWARE ON DOOR #A154. IT IS THE SECURITY CONTRACTOR RESPONSIBILITY TO PROVIDE A COMPLETE AND FULLY FUNCTIONING DOOR RELEASE SYSTEM THAT MEETS THE MANUFACTURER'S SPECIFICATIONS AND OPERATES TO THE SCHOOL DISTRICTS REQUIREMENTS AND INSTRUCTIONS.
Y7	MOUNT SMOKE DETECTOR WITHIN SKYLIGHT. COORDINATE MOUNTING DETAILS WITH ARCHITECTURAL SKYLIGHT DETAIL.
Y8	FIRE RISER LOCATION. PROVIDE REQUIRED QUANTITY OF MONITOR MODULES, CONTROL MODULES, TAMPER SWITCHES, AND FLOW SWITCHES FOR A COMPLETE AND WORKING SYSTEM. REVIEW FIRE PROTECTION DRAWINGS PRIOR TO BIDDING.

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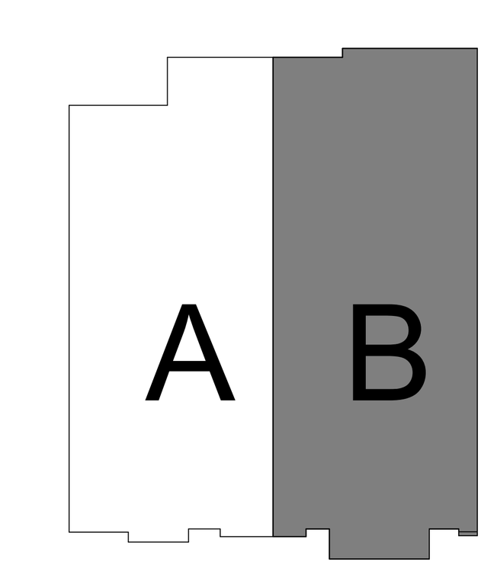

KEY PLAN

ISSUE
CONSTRUCTION DOCUMENTS
AUGUST 29, 2024

SHEET NAME
FIRST FLOOR SYSTEM PLAN -AREA B

SHEET NUMBER
E411B

Autodesk Docs://2024528 JSD Retail Remodel/24133 - JSD LEARNING Center ELEC V24.rvt
9/12/2024 9:53:46 PM

FIRST FLOOR AUDIOVISUAL PLAN - AREA B

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

SHEET KEYNOTES

V6	MOUNT ON ARTICULATING ARM. COORDINATE WITH ARCHITECT BEFORE INSTALLATION.

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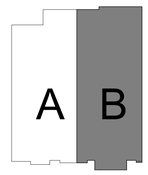
SHEET NAME
FIRST FLOOR AUDIOVISUAL PLAN AREA - B

SHEET NUMBER
T223



KEY PLAN

FIRST FLOOR AUDIOVISUAL RCP AREA - A

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

SHEET KEYNOTES

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8/29/2024
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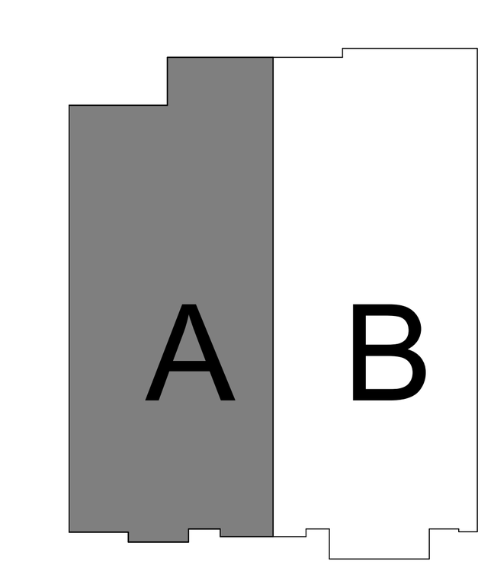
SHEET NAME
FIRST FLOOR AUDIOVISUAL RCP AREA - A



KEY PLAN

SHEET NUMBER
T224

FIRST FLOOR AUDIOVISUAL RCP AREA - B

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

SHEET KEYNOTES

V2	DOCUMENT CAMERA.VERIFY LOCATION WITH ARCHITECT BEFORE INSTALLING.
V4	BOTTOM OF PENDANT LOUDSPEAKERS TO BE FLUSH WITH BOTTOM OF BEAMS / CLOUDS.
V8	COORDINATE ANTENNA MOUNTING LOCATION WITH ARCHITECT.

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PROFESSIONAL ENGINEER
8/29/2024
BRIAN HICKS
No. 7799037
STATE OF UTAH

MHTN PROJECT NO. 2024528

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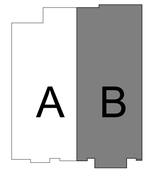
SHEET NAME
FIRST FLOOR AUDIOVISUAL RCP AREA - B

SHEET NUMBER
T225



KEY PLAN

SHEET KEYNOTES

V6	MOUNT ON ARTICULATING ARM. COORDINATE WITH ARCHITECT BEFORE INSTALLATION.
V7	INTERCOM HEAD-END. VERIFY LOCATION WITH ARCHITECT BEFORE INSTALLING.

FIRST FLOOR INTERCOM OVERALL RCP

SCALE = 1" = 10'-0"

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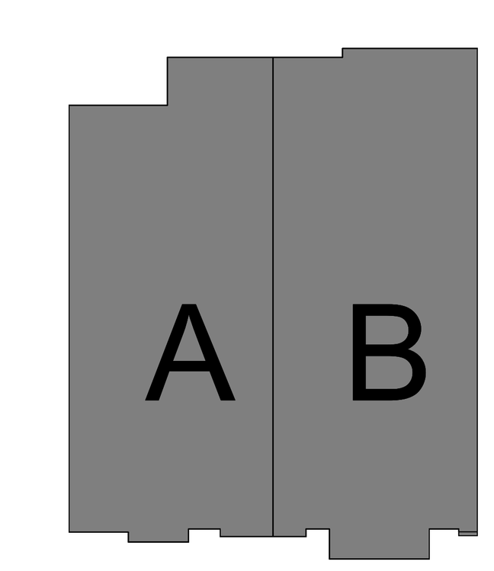
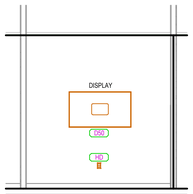
SHEET NAME
LEVEL 1 INTERCOM OVERALL

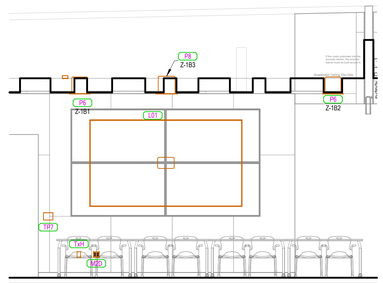


KEY PLAN

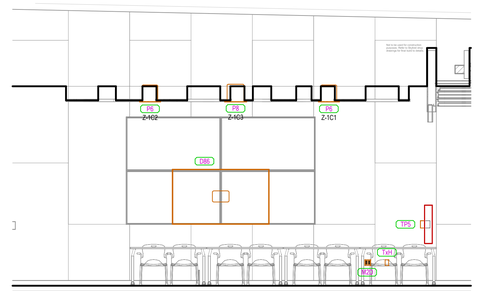
SHEET NUMBER
T311



1 CONFERENCE ROOM/TESTING ROOM ELEVATIONS
SCALE = 1/4" = 1'-0"



2 MULTIPURPOSE ROOM EAST ELEVATIONS
SCALE = 1/4" = 1'-0"



3 MULTIPURPOSE ROOM WEST ELEVATIONS
SCALE = 1/4" = 1'-0"

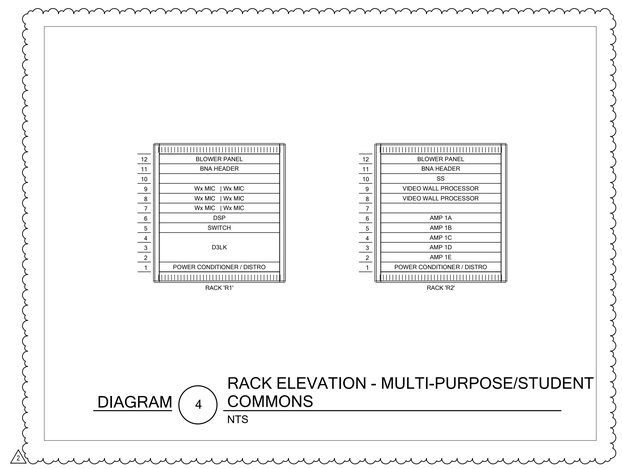


DIAGRAM 4 RACK ELEVATION - MULTI-PURPOSE/STUDENT COMMONS
NTS

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SHEET NAME
AUDIOVISUAL ELEVATIONS

SHEET NUMBER
T501

DIAGRAM NOTES: (#)

1. LOCATED IN RACK 'R1'
2. MOUNT DEVICE BEHIND DISPLAY
3. INCLUDE WMB BODYPACK AND LAVALIER MICROPHONE AS PER EQUIPMENT LIST
4. CONNECT DATA PORTS AS PER DIAGRAM V302 ON PAGE T701
5. LOCATED IN STUDENT COMMONS B122
6. 86" DISPLAY
7. 75" DISPLAY

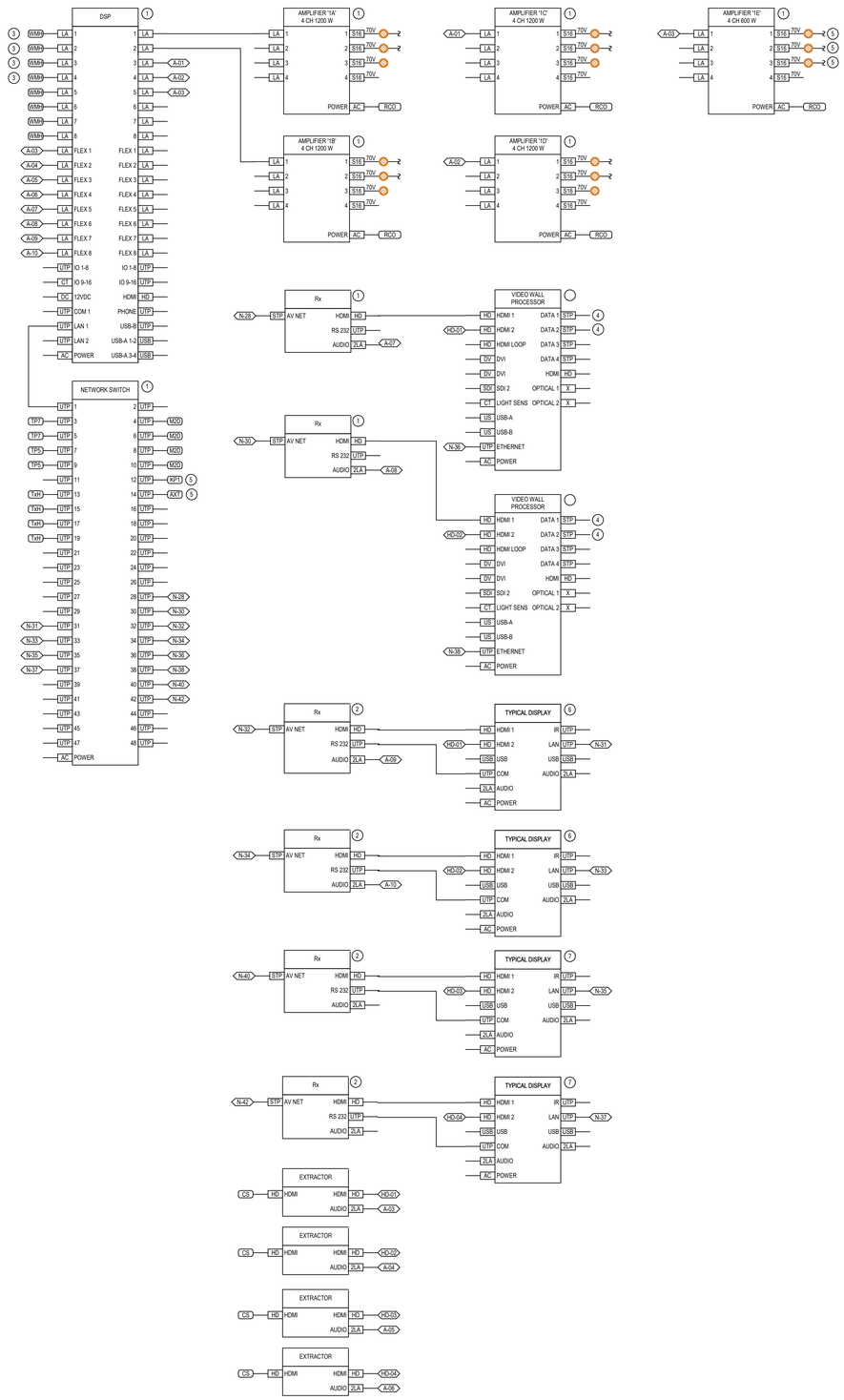
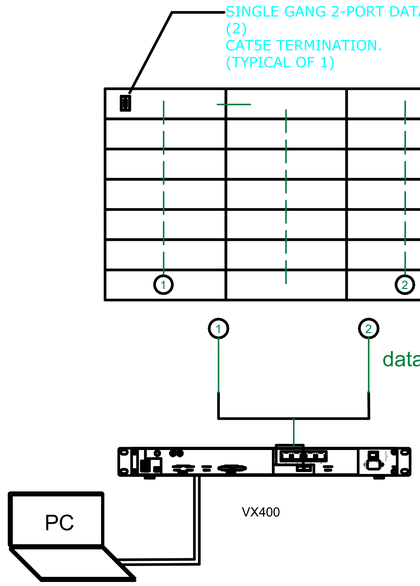
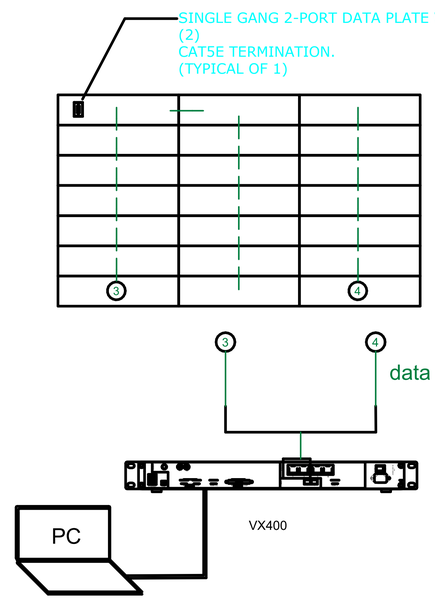


DIAGRAM V301 MULTI-PURPOSE ROOM/STUDENT COMMONS AV SIGNAL FLOW
NTS

SINGLE GANG 2-PORT DATA PLATE WITH (2) CAT5E TERMINATION. (TYPICAL OF 1)



SINGLE GANG 2-PORT DATA PLATE WITH (2) CAT5E TERMINATION. (TYPICAL OF 1)



PRODUCT	K2.5 V3
PANEL SIZE (WxH)	1000x250 MM
PANEL RESOLUTION (WxH)	400x100 PIXELS
PANEL ARRAY (WxH)	(3 x 7) x 2
SCREEN SIZE (WxH)	(3000 x 1750) x 2 MM
SCREEN RESOLUTION (WxH)	(1200 x 700) x 2 PIXELS
PANEL POWER MAX.	90 W
SCREEN POWER MAX.	3780 W

DIAGRAM V302 VIDEO WALL CONNECTION DIAGRAM
NTS

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SHEET NAME
AUDIOVISUAL DIAGRAMS

SHEET NUMBER
T700

DIAGRAM NOTES: #

1. LOCATE DEVICE AT PRIMARY TEACHING STATION.
2. LOCATE DEVICE AT SECONDARY TEACHING STATION.
3. PROVIDE POE INJECTOR, OR PROVIDE CABLING AND POWER SUPPLY. LOCATE POWER SUPPLY OR INJECTOR IN CEILING ENCLOSURE.
4. INSTALL IN RACK 'R4'.

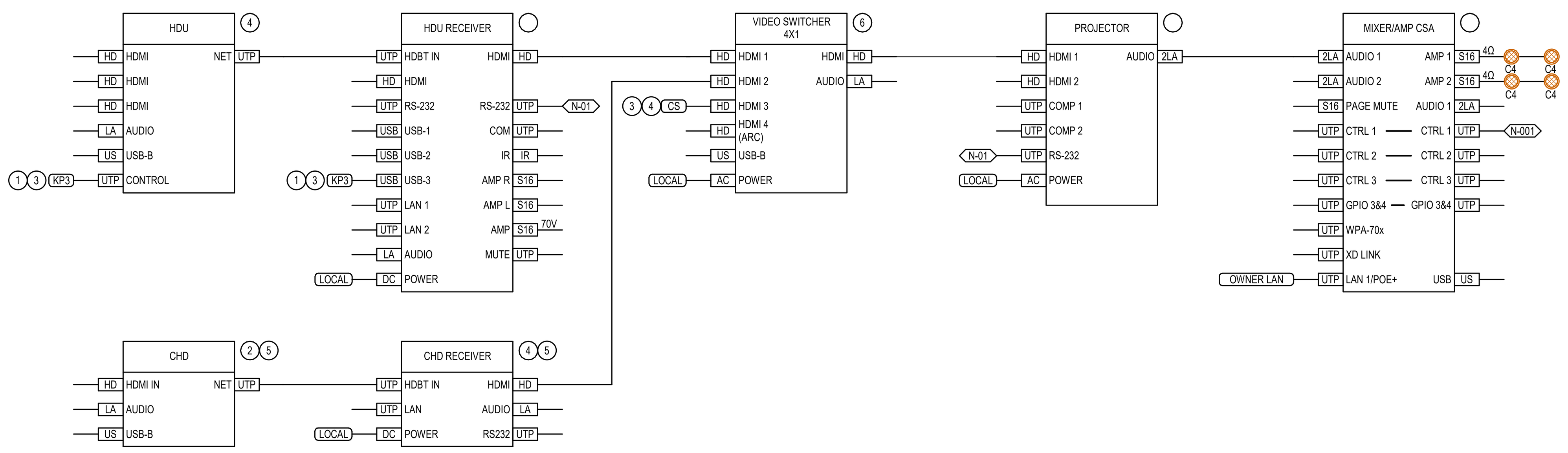

DIAGRAM V250 TODDLER/COMMUNICATIONS ROOMS AV ONE-LINE

NTS

GENERAL DIAGRAM NOTES:

A. CONDUIT SHALL BE RAN POINT-TO-POINT FROM EQUIPMENT RACK JUNCTION BOX TO EACH DEVICE BACK BOX OR PULL BOX FOR DEVICES. PROVIDE PULL STRINGS IN ALL CONDUITS AND TETHER AT EACH TERMINATING JUNCTION BOX END.

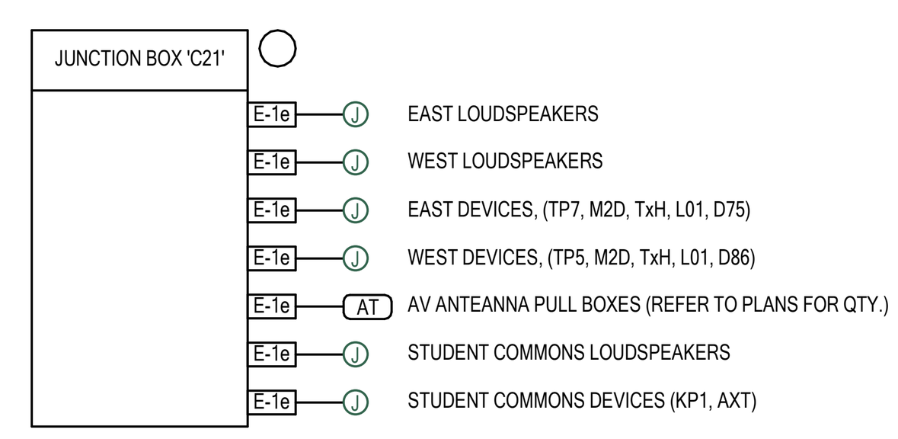

DIAGRAM V102 MULTI-PURPOSE ROOM/STUDENT COMMONS CONDUIT RISER

NTS

DIAGRAM NOTES: #

1. LOCATED IN RACK 'R1'.
2. SECURE DEVICE TO PROJECTOR.
3. DOCUMENT CAMERA IN SCIENCE/ART/CTE ROOM ONLY.
4. USE GLOBAL CACHE IP TO RS-232 OR EQUIVALENT.

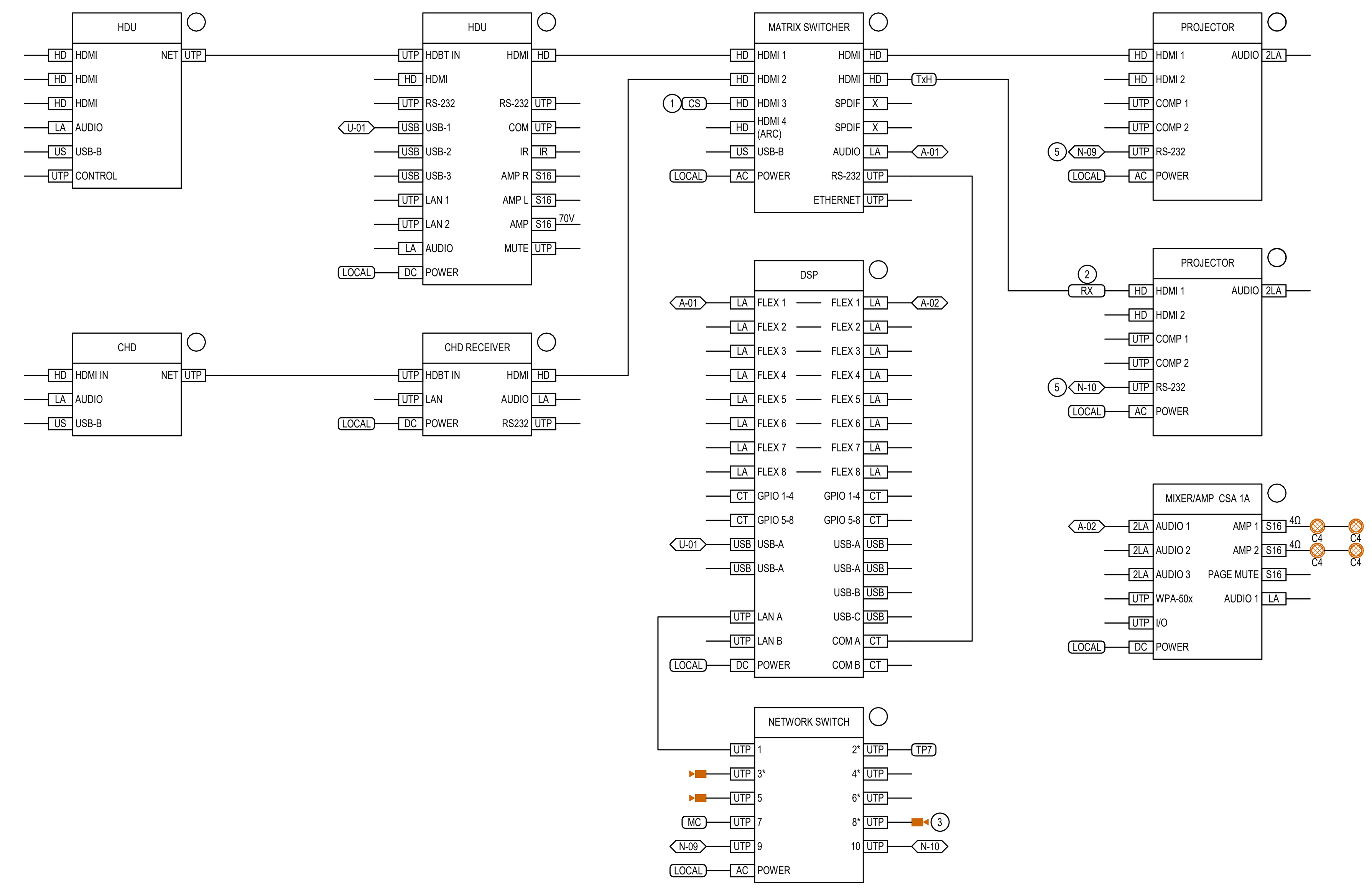

DIAGRAM V254 SCIENCE/ART/CTE CLASSROOM SIGNAL FLOW

NTS

DIAGRAM NOTES: #

1. LOCATED IN RACK 'R1' .
2. SDIF TO ANALOG CONVERTER SUM SIGNAL TO MONO.
3. SECURE DEVICE TO PROJECTOR.
4. DOCUMENT CAMERA IN SCIENCE/ART/CTE ROOM ONLY.
5. USE GLOBAL CACHE IP TO RS-232 OR EQUIVALENT.

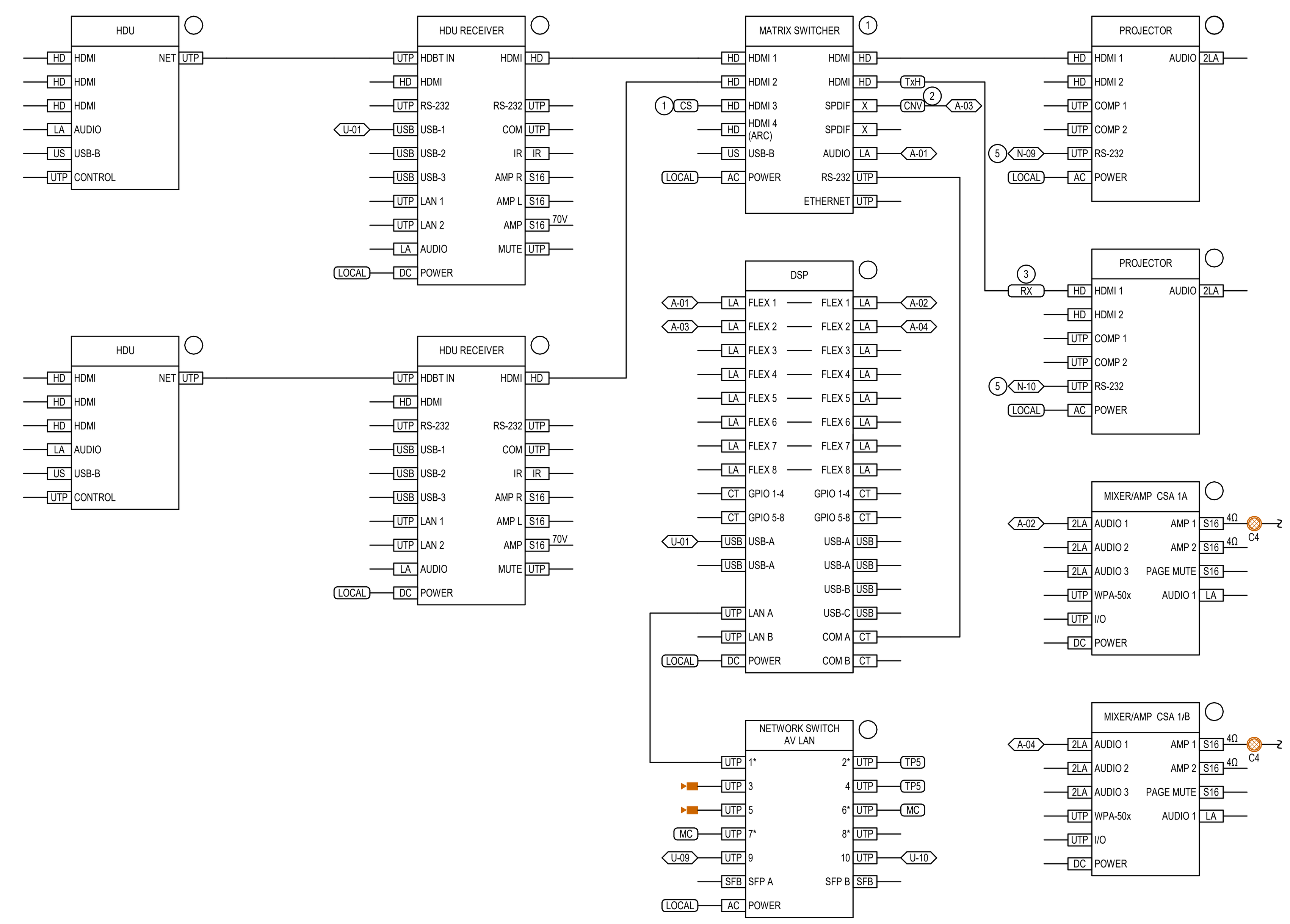

DIAGRAM V259 DIVISIBLE LEARNING STUDIO SIGNAL FLOW

NTS

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AUDIOVISUAL DIAGRAMS

SHEET NUMBER
T701