



**WTA ARCHITECTS**

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[WTAARCH.COM](http://WTAARCH.COM)

## BULLETIN NO. 2

### 491/20167.SDW - PHASE 500: CENTER FOR FORENSIC PSYCHIATRY- CREATE KITCHEN SALINE, MICHIGAN

WTA Project No. 2021094  
MAY 14, 2025

The Contractor will kindly forward to the office of the Architect, within seven days of receiving this bulletin, the change in their contract amount for the following work items listed below. Please submit a quotation for each item listing itemized material costs and itemized labor costs, including the number of hours to complete the work.

#### ARCHITECTURAL

Item A1      Reference Sheets A2.21 & A3.01 (**Re-Issued**)  
A. Revised frame type F3 for doors H132.C and H131.C to have a 10" center mullein as required for detention door hardware.

Item A2      Reference Sheet A2.31 (**Re-Issued**)  
A. Revised jamb details to return brick at openings in lieu of wood blocking at details 2/A2.31, 4/A2.31, 5/A2.31, 15/A2.31, 28/A2.31 & 29/A2.31.

Item A3      Reference Sheet A5.11 (**Re-Issued**)  
A. Revised freezer floor to be a reinforced concrete floor on layers of insulation with sleeper's center below each cooler/freezer wall in lieu of two layers of concrete and insulation.

#### STRUCTURAL

Item S1      Reference Sheets S2.01 & S5.01 (**Re-Issued**)  
A. Updated slab callouts and detail 14/S5.01 to match finalized freezer and cooler designs.

#### MECHANICAL

Item M1      Reference Sheet M2.00 (**Re-Issued**)  
A. Revised CW to underground to serve fixtures as indicated.

Item M2      Reference Sheet M5.01 (**Re-Issued**)  
A. Revised CW to route underground to serve fixtures as indicated.  
B. Added CONSTRUCTION KEY NOTES 13 AND 14 as indicated.

WIGEN  
TINCKNELL  
ASSOCIATES  
ARCHITECTS

SPACE SOLVED.

CENTER FOR FORENSIC PSYCHIATRY- CREATE KITCHEN  
BULLETIN NO. 2  
MAY 14, 2025  
PAGE 2



ELECTRICAL

Item E1      Reference Sheet E0.02 (**Re-Issued**)  
A. Revise the receptacle description for type 8.

Item E2      Reference Sheet E3.01 (**Re-Issued**)  
A. Add power for doors H132.C and H131.C.

Item E3      Reference Sheet E4.01 (**Re-Issued**)  
A. Add card readers to the interior and exterior at door H132.C

Item E4      Reference Sheet E5.01 (**Re-Issued**)  
A. Remove 3 pole GFCI breaker for the soiled dishtray conveyor and add a 2 pole 20A GFCI breaker and 1 spare 20A breaker.  
B. Change the (2) GFCI breakers to normal breakers in panel KP-1.  
C. Add circuiting information for doors in panel EQ-RP-H201.

Item E5      Reference Sheet E5.02 (**Re-Issued**)  
A. Increase breaker from 60A to 100A for dishwasher in DP-1-H201.  
B. Remove 50A branch circuit for dishwasher and make breaker spare in DP-1-H201.  
C. Revise name of 13B: "Dishwasher" blower motor circuit in DP-1-H201.  
D. Update electrical load calculations.

Item E5      Reference Sheet E6.01 (**Re-Issued**)  
A. Revise multiple receptacle heights and locations to coordinate with the food service drawings.  
B. Revise locations receptacles for items 4 and 5 from ceiling to wall.  
C. Revise circuit information for "8: soiled dishtray conveyor"  
D. Remove one of the connections called out for the dishwasher to coordinate with the food service drawings.  
E. Remove disconnect and change to receptacle for "66: mixer".  
F. Revise locations for walk-in cooler and freezer power connection.

END OF BULLETIN NO. 2

**WTA** ARCHITECTS

Cariann Davitt Schartow

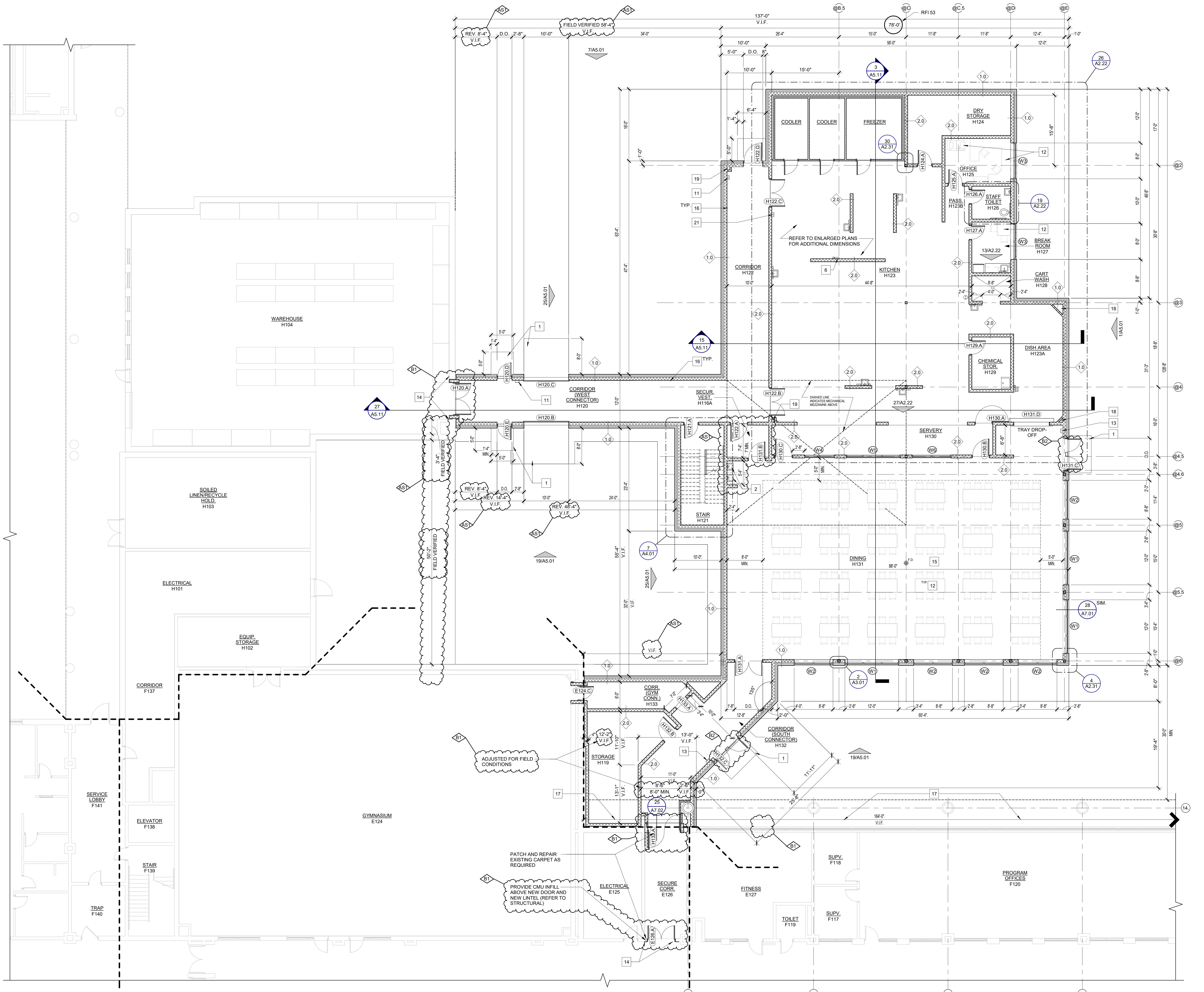
Attachments: Sheets A2.21, A2.31, A3.01, A5.11, S2.01, S5.01, M2.00, M5.01, E0.02, E3.01, E4.01, E5.01, E5.02, & E6.01

Cc:    Antler Construction Company, Inc.  
          Department of Technology, Management and Budget

CENTER FOR FORENSIC PSYCHIATRY- CREATE KITCHEN  
BULLETIN NO. 2  
MAY 14, 2025  
PAGE 3



Peter Basso Assoc., Inc.  
MacMillian Assoc., Inc.  
WTA Architects  
CommTech Design  
Stafford Smith  
ROWE Professional Services Company



**CONSTRUCTION GENERAL NOTES:**

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WALL TYPES ARE INDICATED AS A DIAMOND WITH A NUMBER. REFER TO SHEET A0.01 FOR DESCRIPTION OF WALL TYPES.

PLAN DIMENSIONS DO NOT INCLUDE WALL THICKNESS (REFER TO WALL TYPES).

DOOR FRAMES ARE TO BE LOCATED 8" FROM THE PERPENDICULAR WALL ON THE HINGE SIDE OF THE DOOR AT MASONRY WALLS, UNLESS NOTED OTHERWISE.

PROVIDE BLOCKING AT ALL WALL MOUNTED ITEMS INCLUDING BUT NOT LIMITED TO: PLUMBING ACCESSORIES, KITCHEN EQUIPMENT, ETC.

ALL AREAS DAMAGED BY DEMOLITION WORK ARE TO BE PATCHED AND REPAIRED OR REPLACED TO MATCH ADJACENT SURFACES.

PATCH AND REPAIR REMAINING WALLS; AT ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DEMOLITION POINTS WITH SIMILAR MATERIALS IN SIZE, COLOR AND TEXTURE.

PATCH AND REPAIR ALL EXISTING FLOORS AS REQUIRED WHERE EXISTING WALLS HAVE BEEN REMOVED.

FURNITURE OR EQUIPMENT TO BE BUILT AND/ORG INSTALLED BY CONTRACTOR IS SPECIFICALLY NOTED, DIMENSIONED OR DETAILED. ALL OTHER FURNITURE OR EQUIPMENT WILL BE PROVIDED AND INSTALLED BY OWNER.

FOR CASEWORK DETAILS - REFER TO "NORTHERN AMERICA ARCHITECTURAL WOODWORK STANDARDS (A.W.S.).

CASEWORK DESIGNATION REFERS TO THE WIDTH (W) AND DEPTH (D) OF THE CABINET. REFER TO DIMENSIONS FOR HEIGHT. REFER TO "A.W.S." FOR CABINET NUMBER LOCATED BELOW DIMENSION LINE.

# CONSTRUCTION KEYNOTES

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- CONCRETE ENTRY SLAB (REFER TO STRUCTURAL)
- PLUMBING FIXTURE (REFER TO MECHANICAL)
- CASEWORK (REFER TO ELEVATIONS AND DETAILS)
- STAINLESS STEEL GRAB BARS
- PAPER TOWEL DISPENSER
- TOILET PAPER DISPENSER
- SANITARY NAPKIN RECEPTICLE
- MIRROR 18" x 36"
- SOAP DISPENSER
- RECESSED FIRE EXTINGUISHER CABINET
- FURNITURE AND EQUIPMENT (BY OWNER)
- SEMI-RECESSED DETENTION FIRE EXTINGUISHER CABINET
- PATCH AND REPAIR WALL CONSTRUCTION, WALL BASE, AND FLOORING TO MATCH EXISTING.
- COORDINATE LOCATION OF FLOOR TILE MOVEMENT JOINTS WITH ARCHITECT, TYPICAL OF TCNA EJ-171
- FIN TUBE RADIATOR (REFER TO MECHANICAL)
- PROVIDE NEW WATER COLD FLUID-APPLIED WATERPROOFING ALONG THE EXENT OF THE EXISTING FOUNDATION WALL - REFER TO CIVIL FOR COORDINATION OF NEW SIDEWALK, NEW ENTRY SLAB, AND FENCE MODIFICATIONS - USE CAUTION AS UNDERGROUND LINES ARE LOCATED IN THIS AREA.
- MECHANICAL CHASE VERIFY SIZE WITH KITCHEN EQUIPMENT MFR. AND MECHANICAL (REFER TO MECHANICAL)
- MECHANICAL CHASE VERIFY CLEAR WIDTH REQUIRED WITH MECHANICAL (REFER TO MECHANICAL)
- EYE WASH STATION (REFER TO FOOD SERVICE AND MECHANICAL)
- SEMI-RECESSED WET CHEMICAL FIRE EXTINGUISHER CABINET
- REFER TO MECHANICAL AND ELECTRICAL DRAWINGS.

BULLETIN NO. 2		06/11/25
1	ASI NO. 1	02/14/25
1	BULLETIN NO 1	01/08/25
	STATE REVIEW SET	12/20/23
O.	REVISION	DATE

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91/20167.SDW

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The diagram is a 'KEY PLAN' (cross-sectional view) of a mechanical part, not to scale. It shows a central vertical structure with various features labeled A through N. Labels A, B, C, D, E, F, G, H, K, L, M, and N are placed near their respective features. The features include a stepped vertical wall, a central U-shaped cutout, and various horizontal and vertical slots.

The logo for WTA Architects features three orange circles with white geometric symbols inside: a diagonal line, a horizontal line, and a triangle. Below the logo, the text "WTA ARCHITECTS" is written in a large, bold, sans-serif font. Underneath that, the address "10 S Jefferson Ave, Suite 601" and the zip code "Eglinaw, Michigan 48607" are listed.

OBJECT TITLE  
491/20167.SDW - PHASE 500:  
**CENTER FOR FORENSIC  
PSYCHIATRY - CREATE  
KITCHEN**

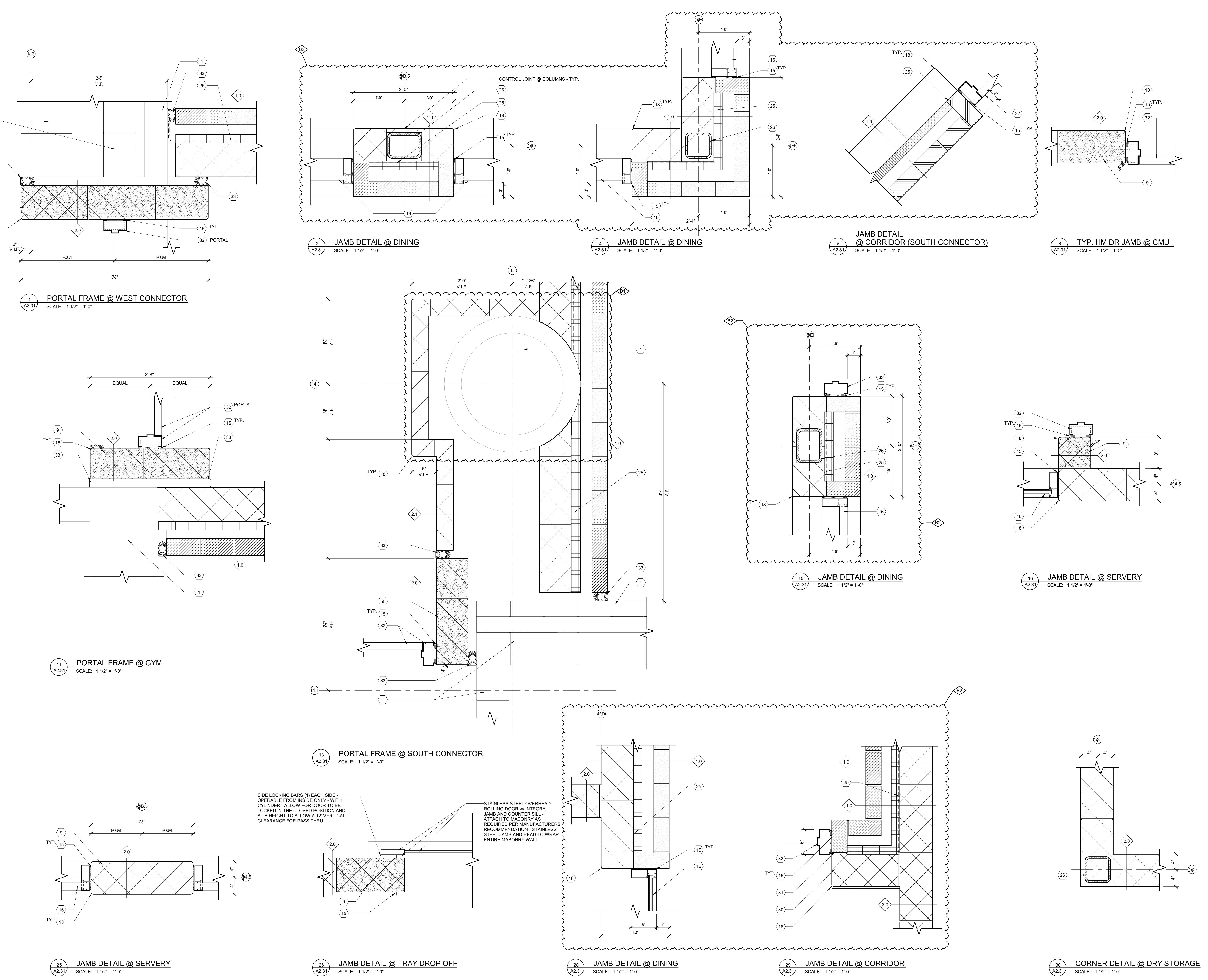
ALINE, MICHIGAN  
EET TITLE  
**FIRST FLOOR  
CONSTRUCTION PLAN**

OBJECT NUMBER <b>2021094</b>	SHEET NUMBER <b>A2.21</b>
OBJECT DATE <b>SEPTEMBER 6, 2023</b>	
CHECKED BY <b>C D S</b>	

# MATERIAL KEYNOTES		
1	EXISTING TO REMAIN	
2	FULLY ADHERED SINGLE PLY MEMBRANE ROOFING	
3	ROOF INSULATION R-30	
4	METAL DECK (REFER TO STRUCTURAL)	
5	2x PRESSURE TREATED WOOD BLOCKING	
6	SPRAY INSULATION IN METAL DECK FLUTES TO ALLOW FOR CONTINUOUS INSULATION	
7	STEEL LINTEL - EXTERIOR STEEL LINTELS TO BE COATED - PAINT (REFER TO STRUCTURAL)	
8	GROUT SCAFFOLDING	
9	THRU WALL FLASHING	
10	MORTAR NET	
11	FACE BRICK - MATCH EXISTING	
12	18x2 BURNISHED BLOCK ACCENT BAND - MATCH EXISTING	
13	18x2 STONE FACE BLOCK WAINSCOT - MATCH EXISTING	
14	SEALANT OVER BACKER ROD EXTERIOR / CAULK INTERIOR - TYPICAL AT ALL WINDOWS AND DOORS	
15	ALUMINUM WINDOW SYSTEM WITH INSULATED GLAZING	
16	BRICK VENT	
17	BOND JOINT	
18	BOND BEAM	
19	4" CONCRETE SLAB ON VAPOR BARRIER (REFER TO STRUCTURAL)	
20	PERIMETER INSULATION - EXTEND 2'-0" IN BOTH DIRECTIONS	
21	COMPACTED GRANULAR FILL	
22	POURED CONCRETE FOUNDATION WALL (REFER TO STRUCTURAL)	
23	BITUMINOUS DAMPROOFING	
24	STEEL COLUMN (REFER TO STRUCTURAL)	
25	RIGID INSULATION	
26	CONTINUOUS METAL ROOF EDGE - MATCH ROOFING SYSTEM, ALSO MATCH EXISTING HEIGHT (V.I.F.)	
27	NEW FENCE (REFER TO CIVIL AND ELECTRICAL)	
28	CONCRETE MASONRY UNIT	
29	COLD FORMED METAL FRAMING	
30	DOOR AND FRAME (REFER TO SCHEDULE)	
31	EXPANSION JOINT / CONTROL JOINT AS PER CODE PLAN	
32	MECHANICAL ITEM (REFER TO MECHANICAL)	
33	POURED CONCRETE FOOTING (REFER TO STRUCTURAL)	
34	STEEL ANGLE (REFER TO STRUCTURAL)	
35	STEEL TUBE (REFER TO STRUCTURAL)	
36	STEEL BUSH (REFER TO STRUCTURAL)	
37	STEEL BEAM (REFER TO STRUCTURAL)	
38	SUSPENDED CEILING SYSTEM (REFER TO SCHEDULE)	
39	LOUVER (REFER TO MECHANICAL)	
40	BOND BEAM WITH (2) #5 CONT. GROUT SCAFFOLDING (REFER TO STRUCTURAL)	
41	ROOF LADDER - ATTACH AND FLASH AS REQUIRED PER MANUFACTURER'S RECOMMENDATIONS (REFER TO REFERENCE ONLY DETAIL)	
42	WALL MOUNTED ELECTRICAL ITEM (REFER TO ELECTRICAL)	
43	CEILING MOUNTED ELECTRICAL ITEM (REFER TO ELECTRICAL)	
44	PLUMBING FIXTURE AND ACCESSORIES (REFER TO MECHANICAL & STANDARD MOUNTING HEIGHTS CHART)	
45	BASE MATERIAL (REFER TO SCHEDULE)	
46	CONTROL JOINT	

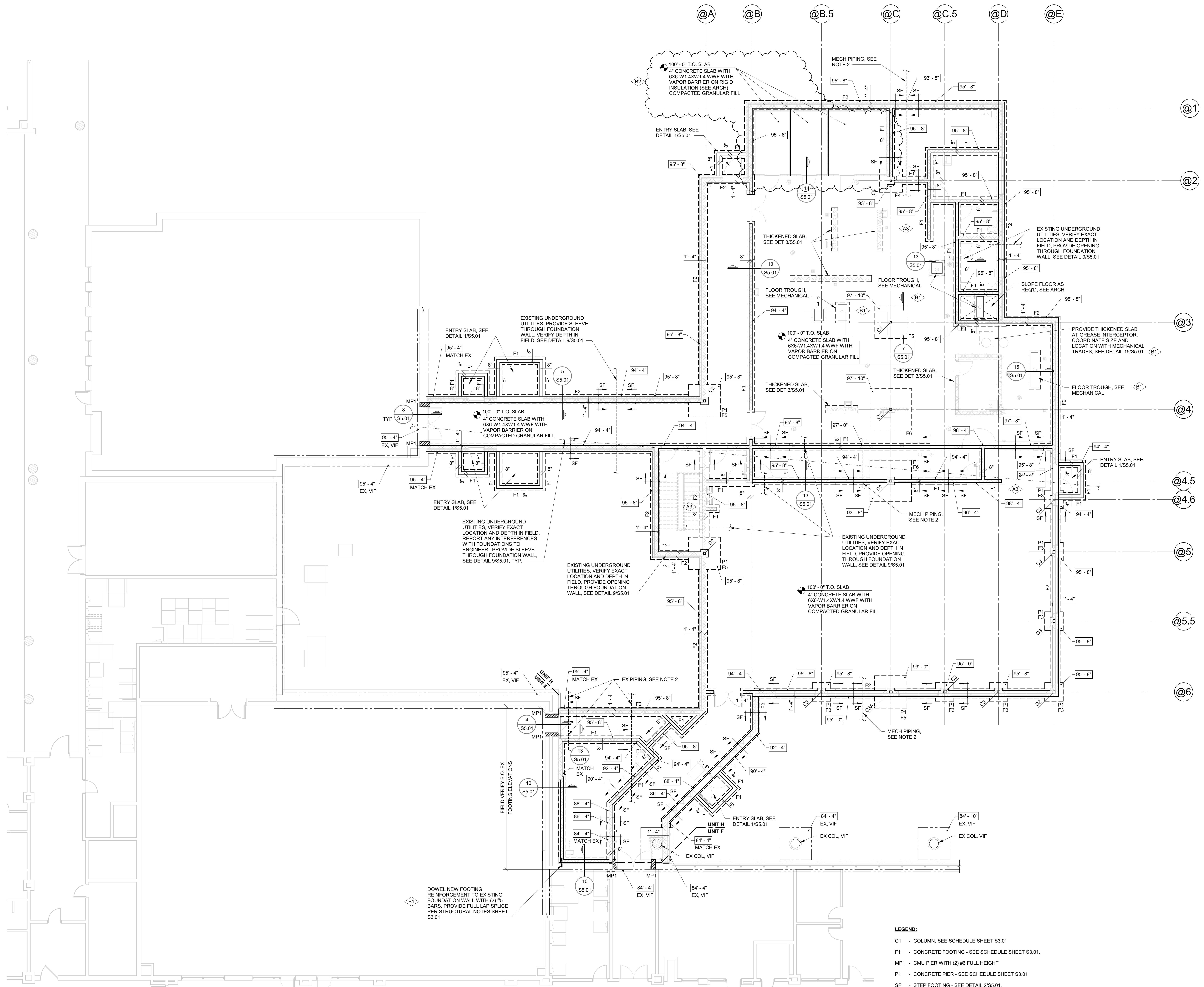
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B1	BULLETIN NO 1	01/08/25
NO.	REVISION	DATE
STATE OF MICHIGAN DEPARTMENT OF TECHNOLOGY, MANAGEMENT AND BUDGET FACILITIES AND BUSINESS SERVICES ADMINISTRATION DESIGN AND CONSTRUCTION DIVISION ADAM LACH, RA, DIRECTOR		
FILE NO.	491/20167.SDW	
FUNDING CODE	17ICODHHS7255	CONTRACT NO.
	Y22003	

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PROJECT TITLE	491/20167.SDW - PHASE 500: CENTER FOR FORENSIC PSYCHIATRY - CREATE KITCHEN SALINE, MICHIGAN
HEET TITLE	PLAN DETAILS
PROJECT NUMBER	2021094
HEET NUMBER	A2.31
PROJECT DATE	SEPTEMBER 6, 2023
CHECKED BY	C.D.S.









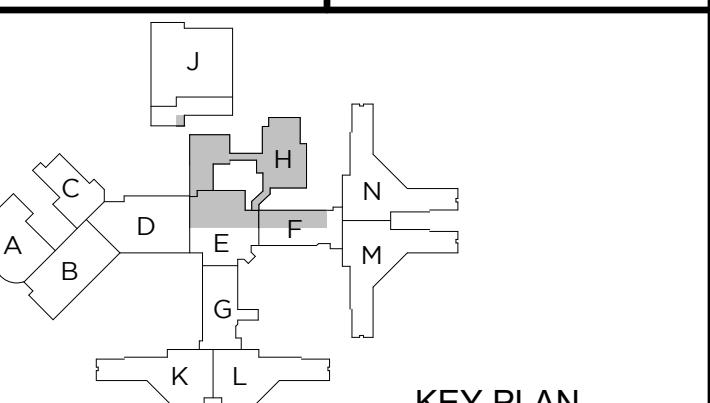
NORTH  
FOUNDATION PLAN  
1/8" = 1'-0"

FOUNDATION PLAN  
BOTTOM OF FOOTING ELEVATION = 95'-8" (UNO)

B2 BULLETIN NO. 2 05/13/25  
B1 BULLETIN NO. 1 01/08/25  
A3 ADDENDUM NO. 3 09/28/23  
NO. REVISION DATE  
STATE OF MICHIGAN  
DEPARTMENT OF TECHNOLOGY, MANAGEMENT AND BUDGET  
FACILITIES AND BUSINESS SERVICES ADMINISTRATION  
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171CODHHS7255 CONTRACT NO.  
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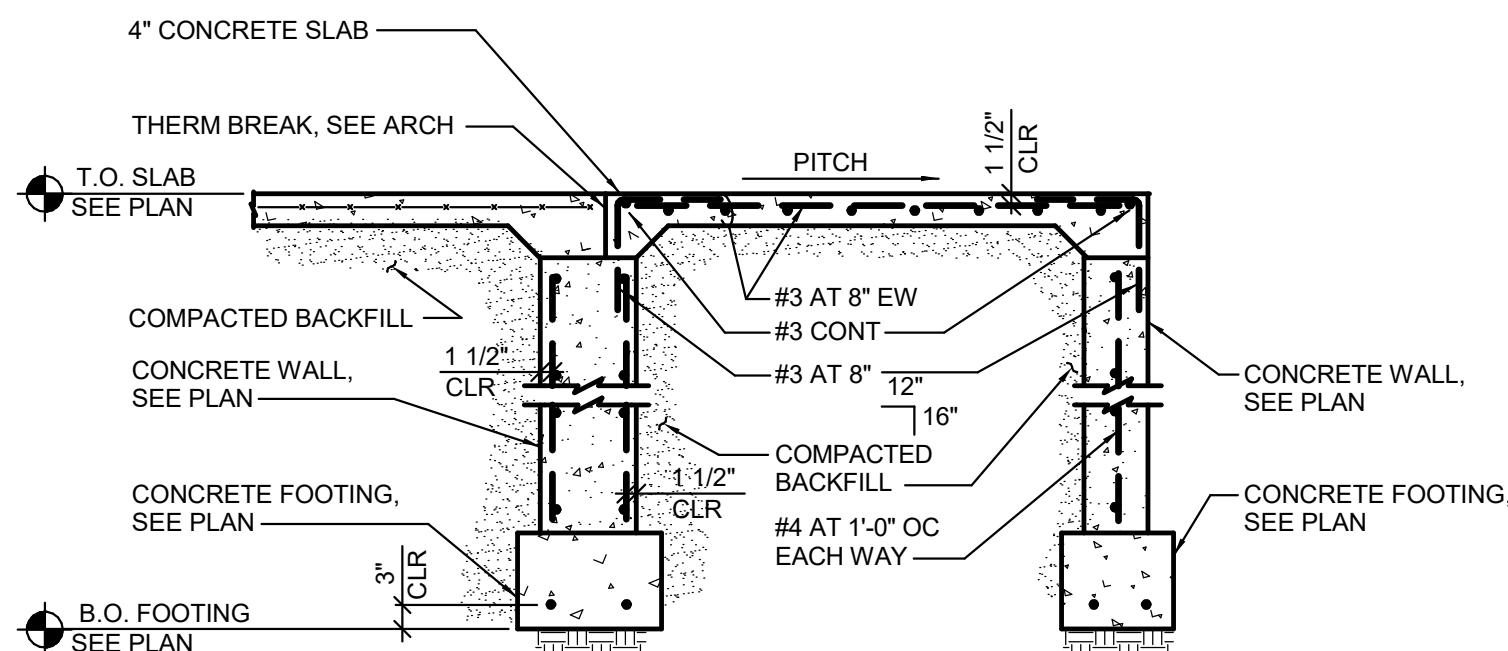
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SALINE, MICHIGAN

SHEET TITLE  
FOUNDATION PLAN

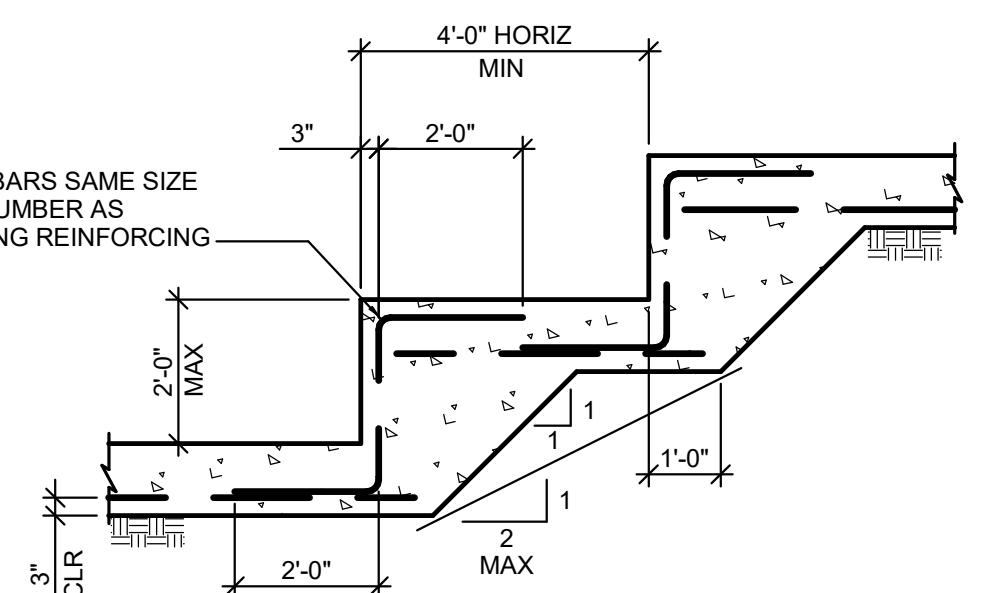
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PROJECT DATE  
SEPTEMBER 6, 2023

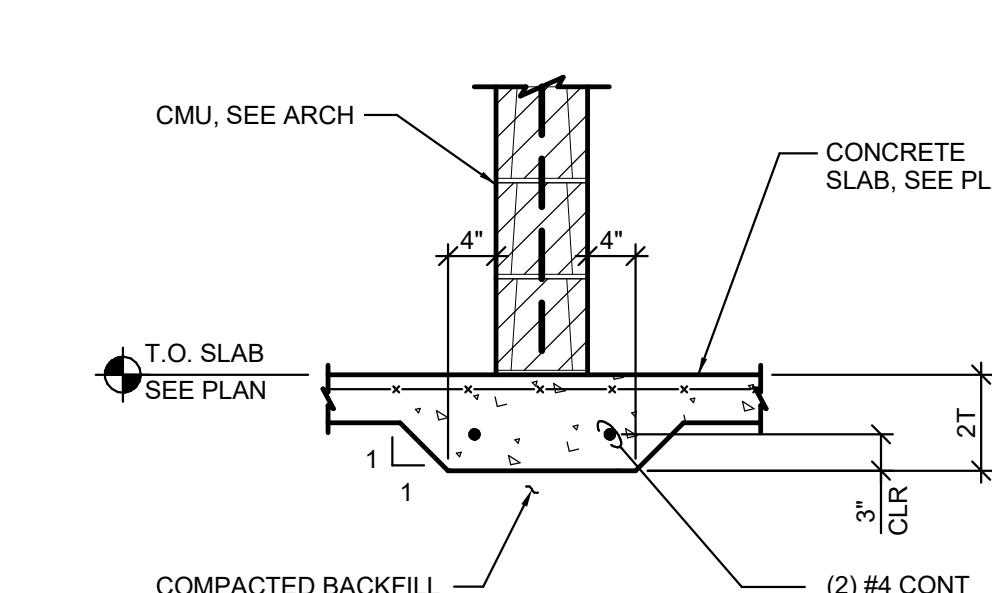
CHECKED BY  
JAG  
SHEET NUMBER  
S2.01



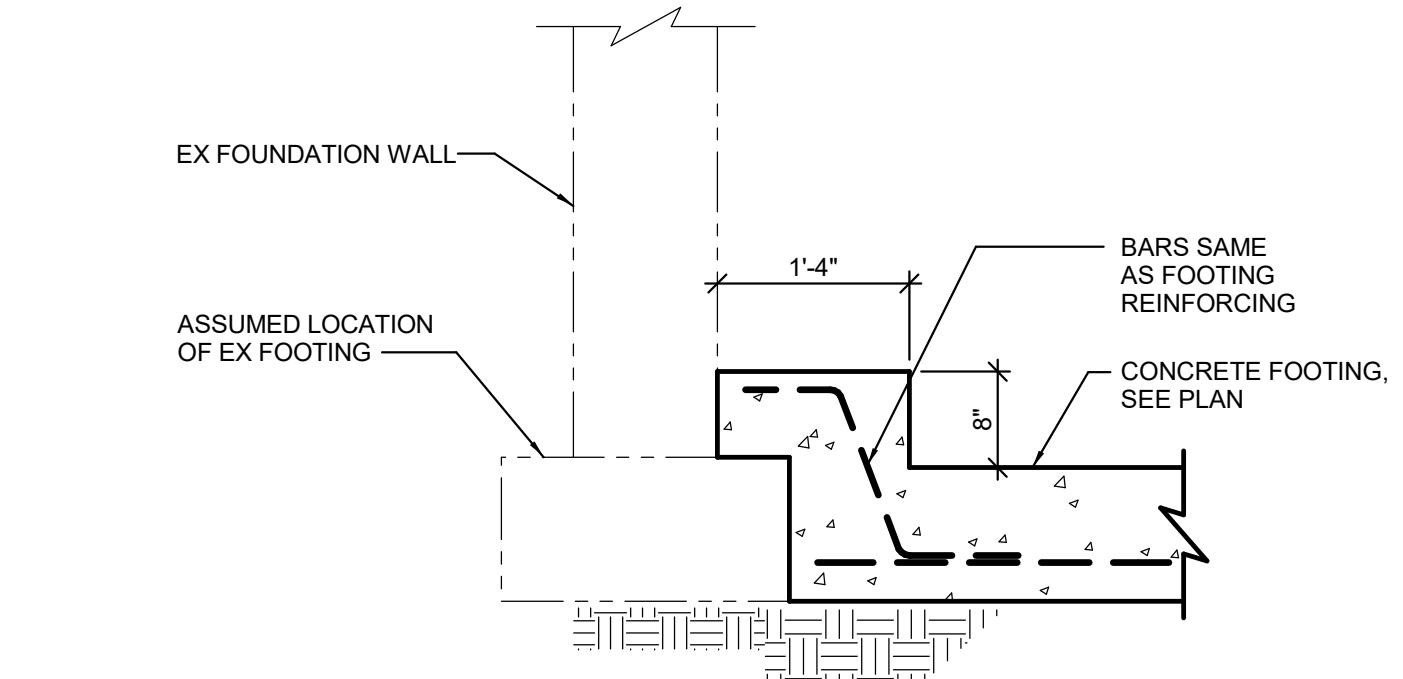
1 ENTRY SLAB  
S5.01 1/2" = 1'-0"



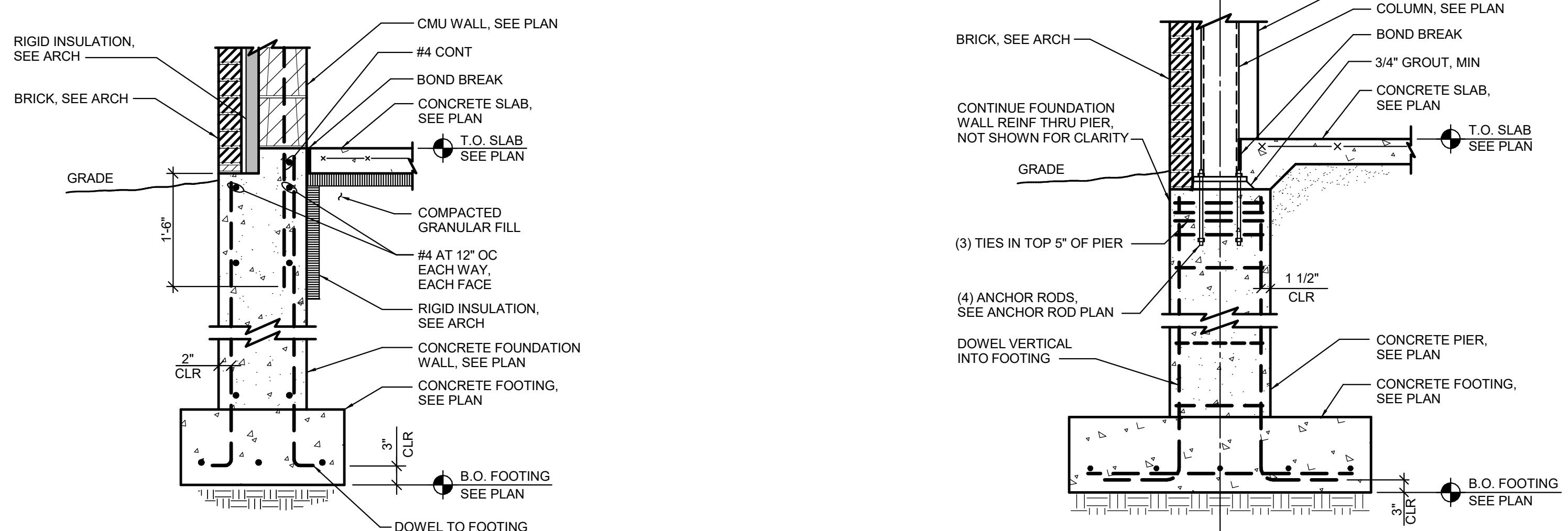
2 STEP FOOTING  
S5.01 3/8" = 1'-0"



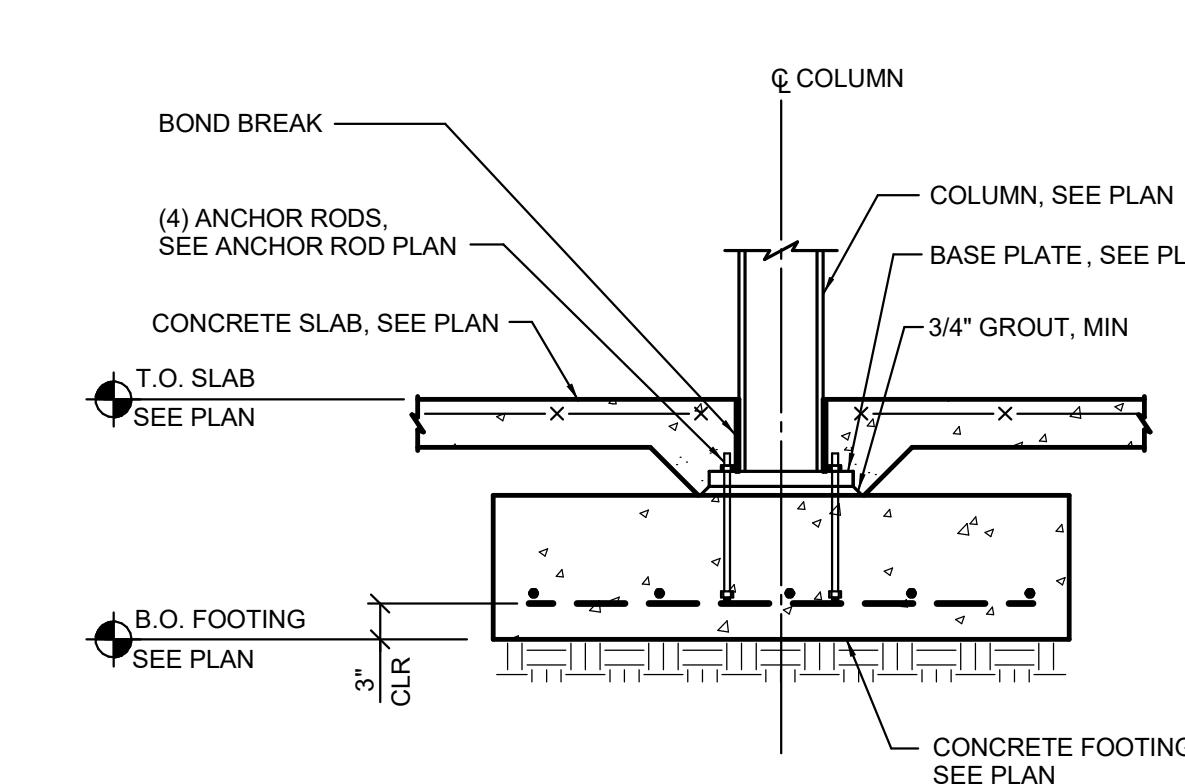
3 THICKENED SLAB  
S5.01 3/4" = 1'-0"



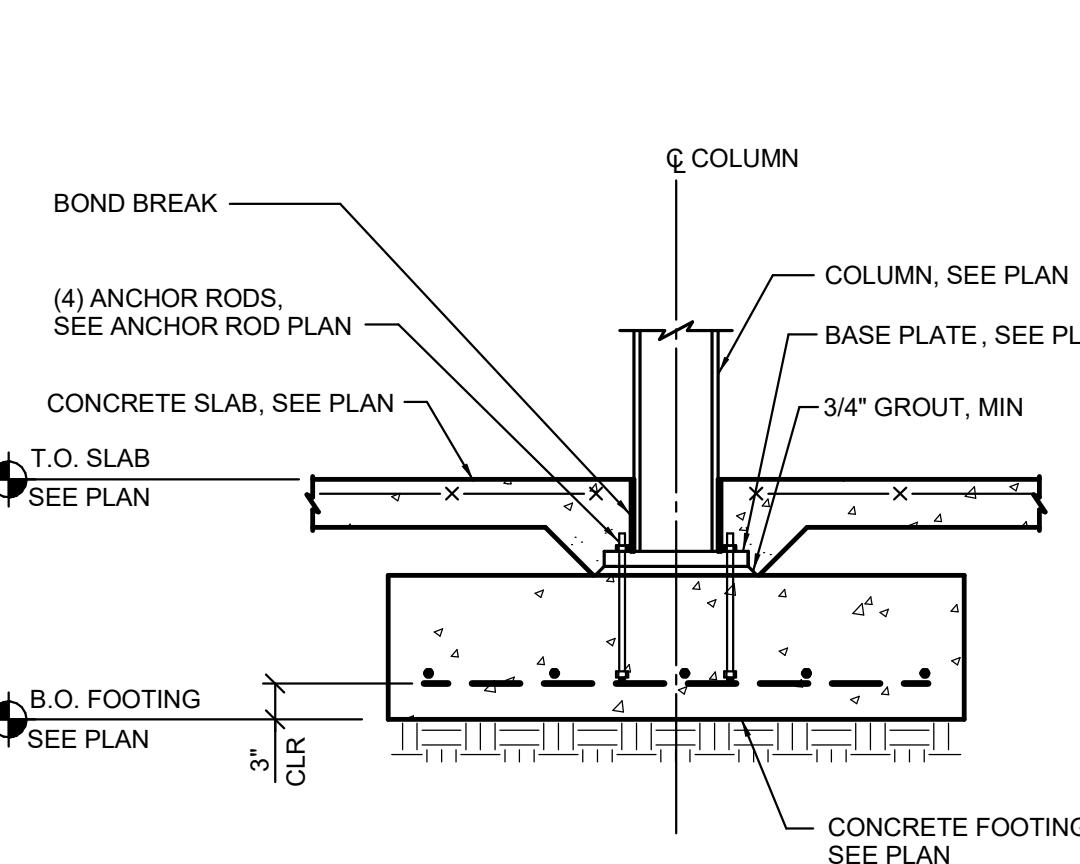
4 NEW FOOTING AT EXISTING  
S5.01 3/4" = 1'-0"



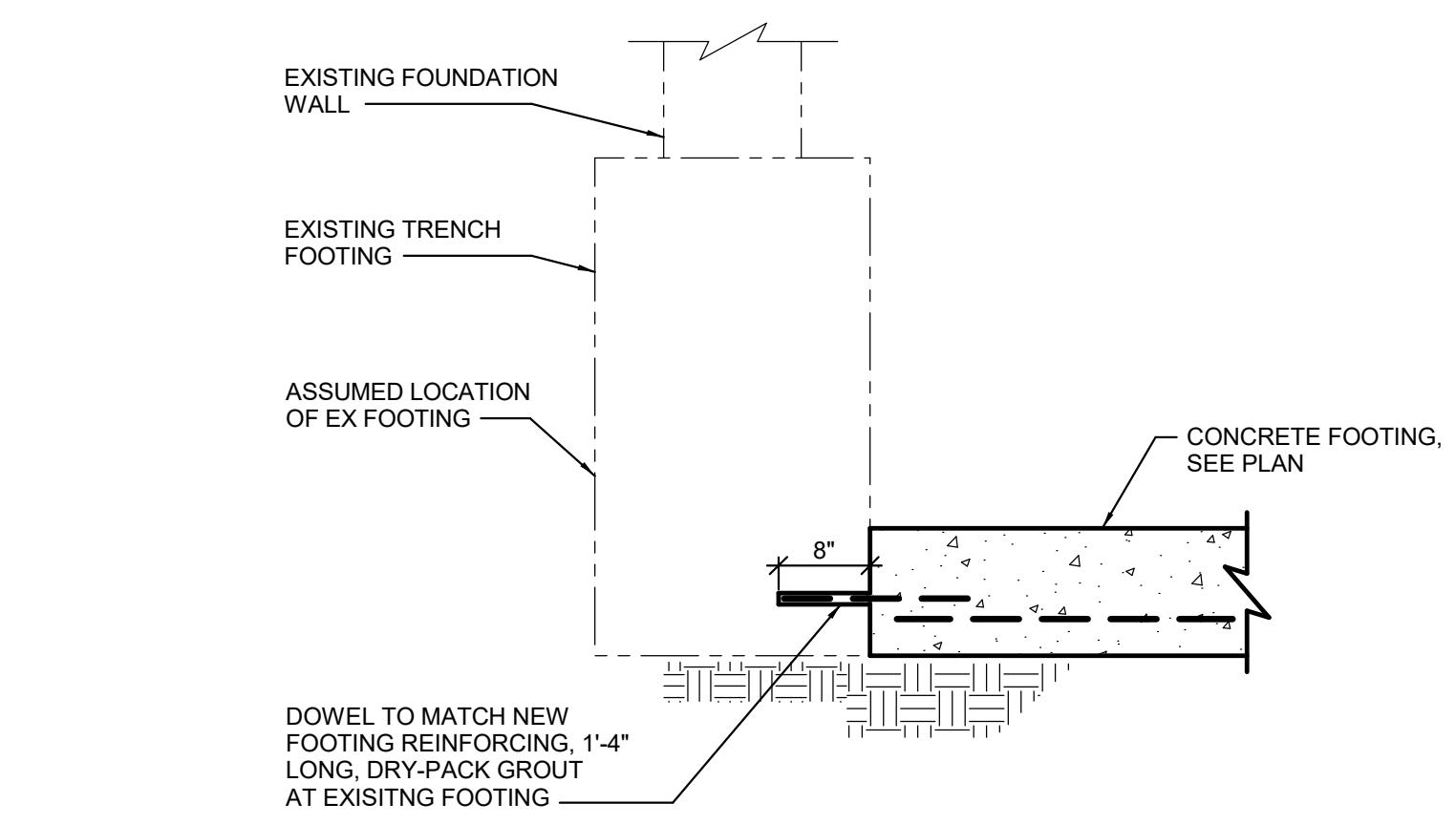
5 EXTERIOR WALL FOOTING  
S5.01 3/4" = 1'-0"



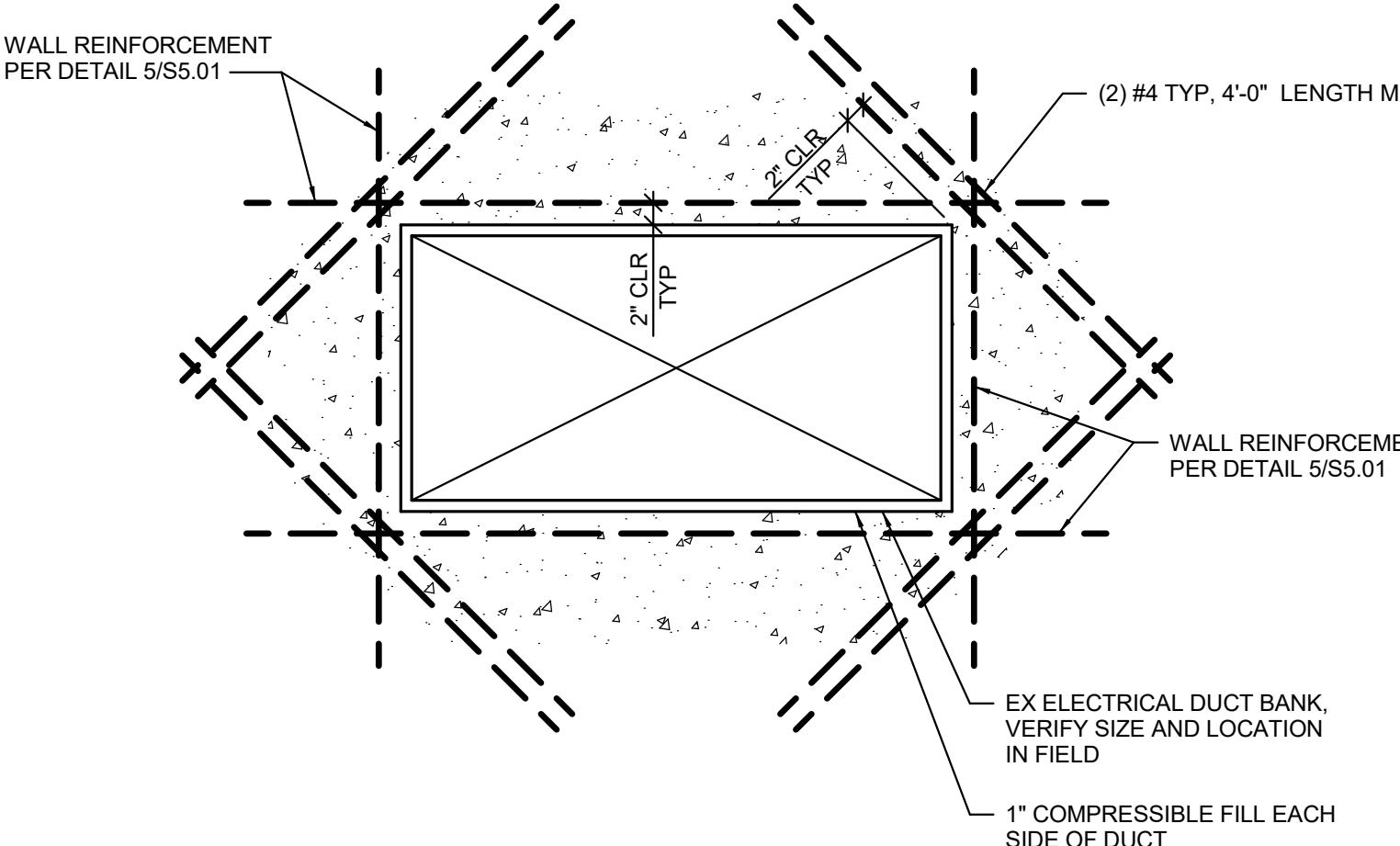
6 COLUMN FOOTING WITH PIER  
S5.01 3/4" = 1'-0"



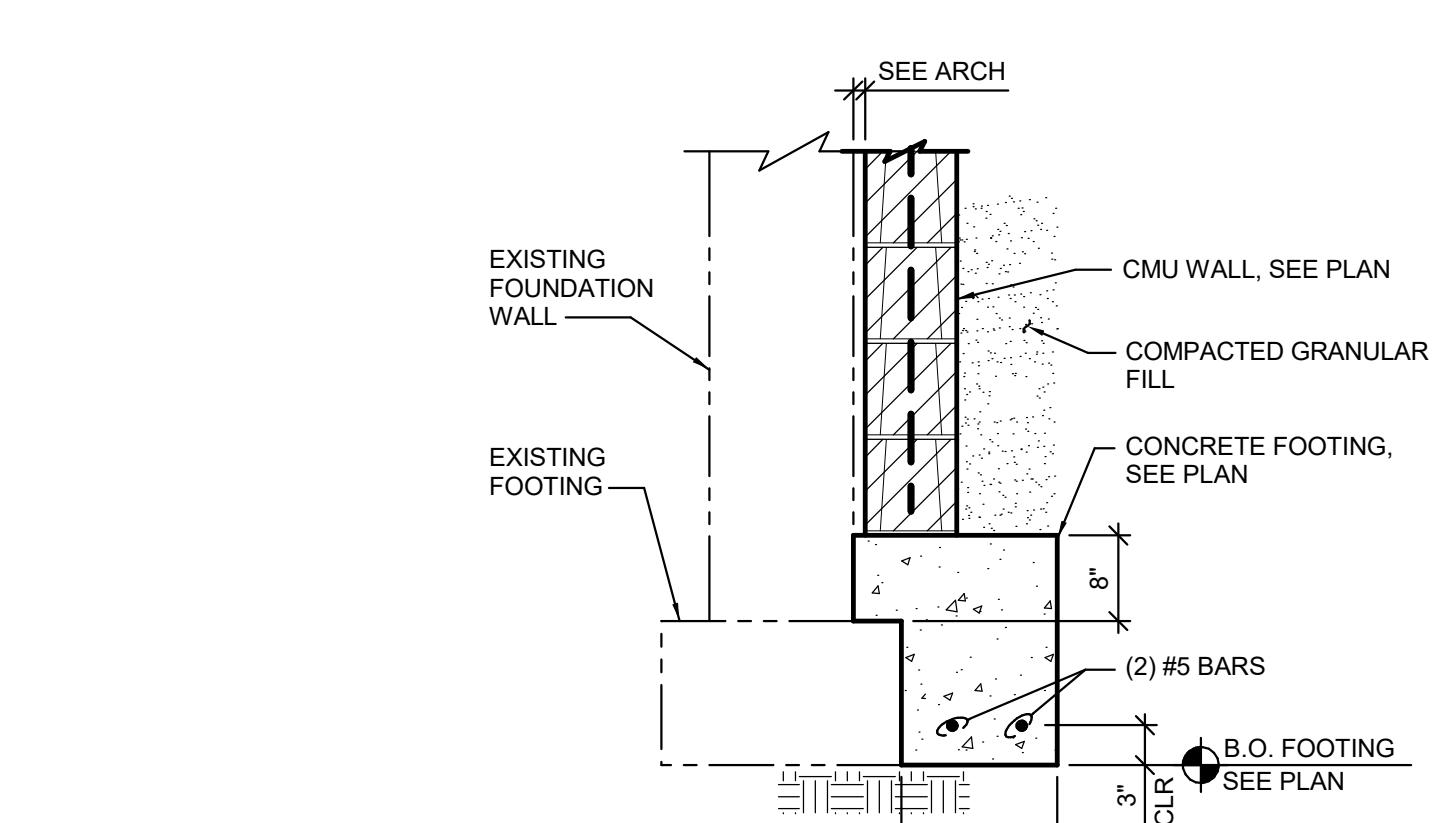
7 INTERIOR COLUMN FOOTING  
S5.01 3/4" = 1'-0"



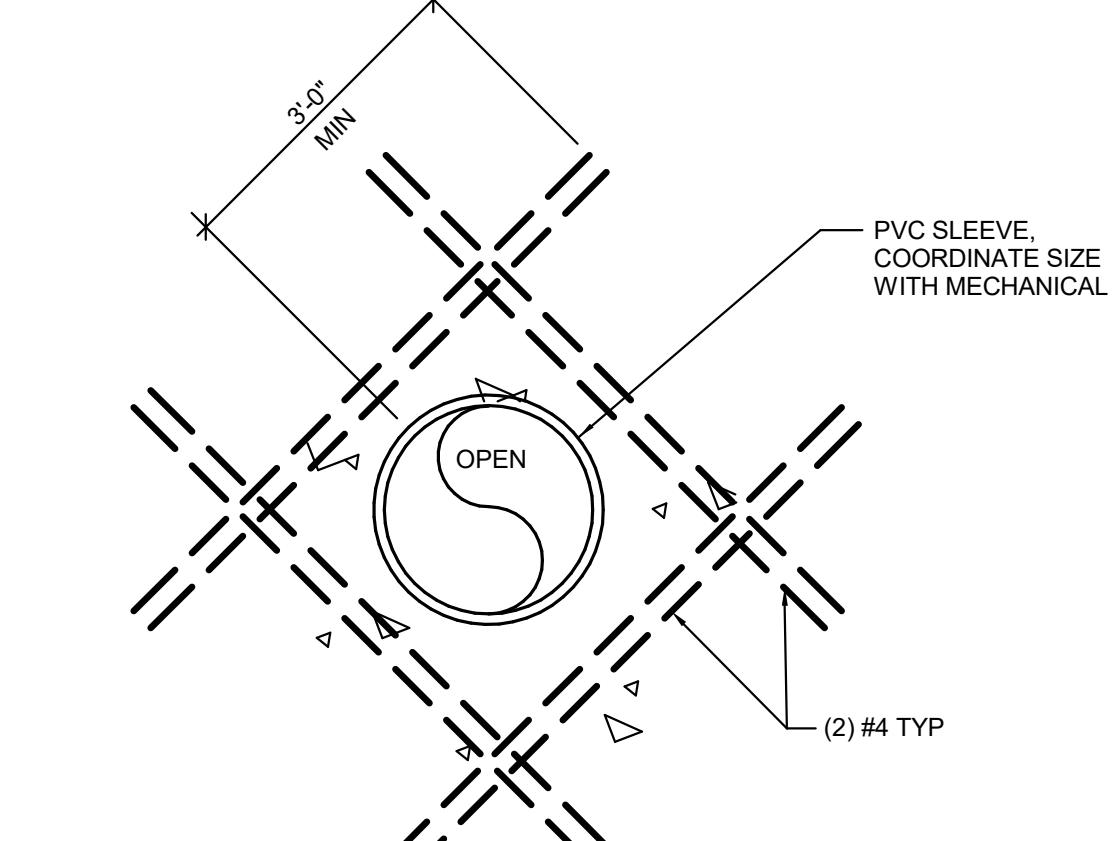
8 NEW FOOTING AT EXISTING  
S5.01 3/4" = 1'-0"



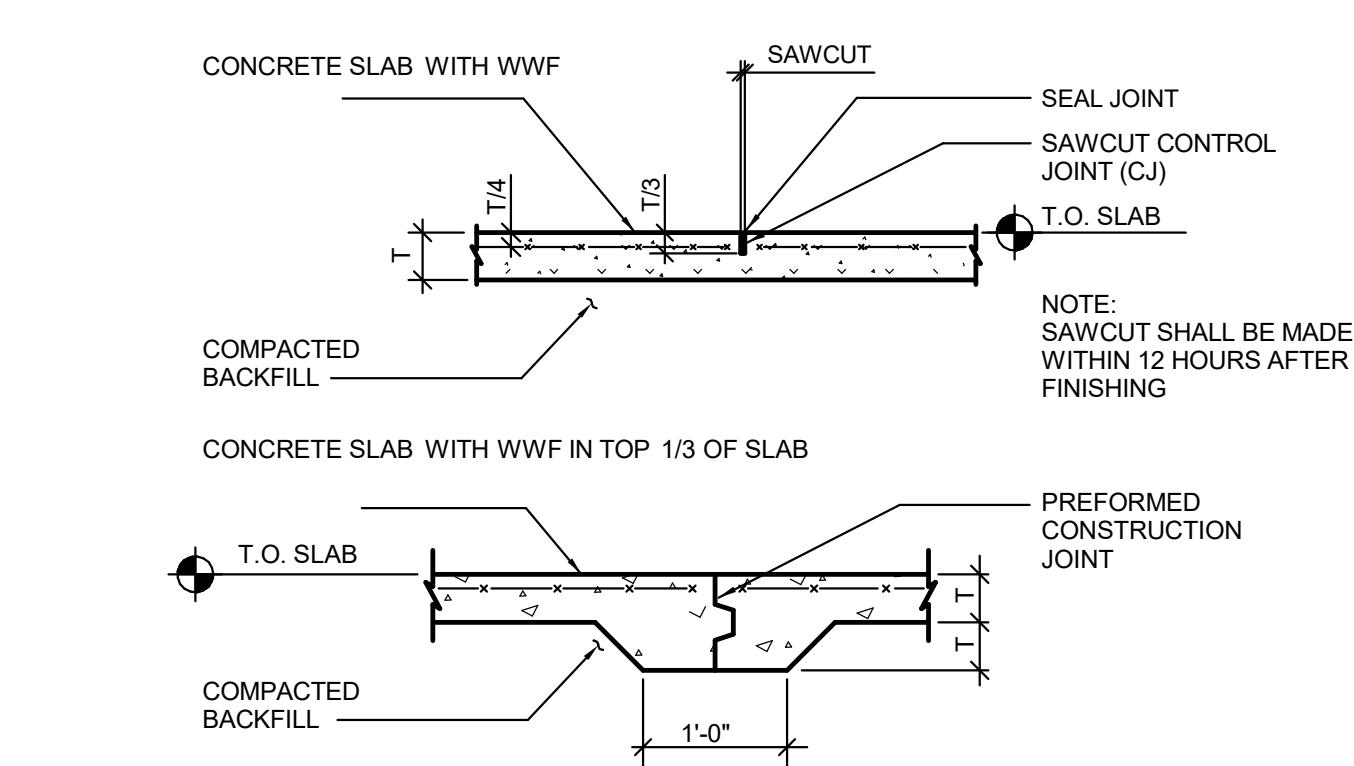
9 WALL REINFORCING AT EXISTING DUCT BANK  
S5.01 3/4" = 1'-0"



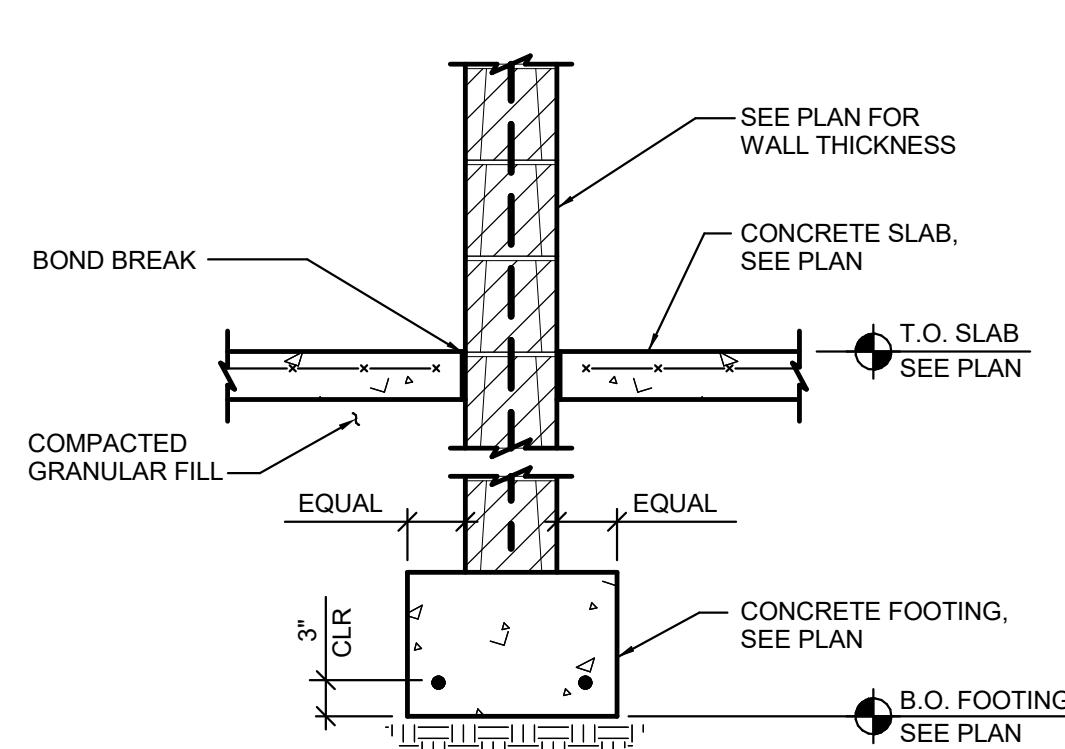
10 FOOTING AT EXISTING  
S5.01 3/4" = 1'-0"



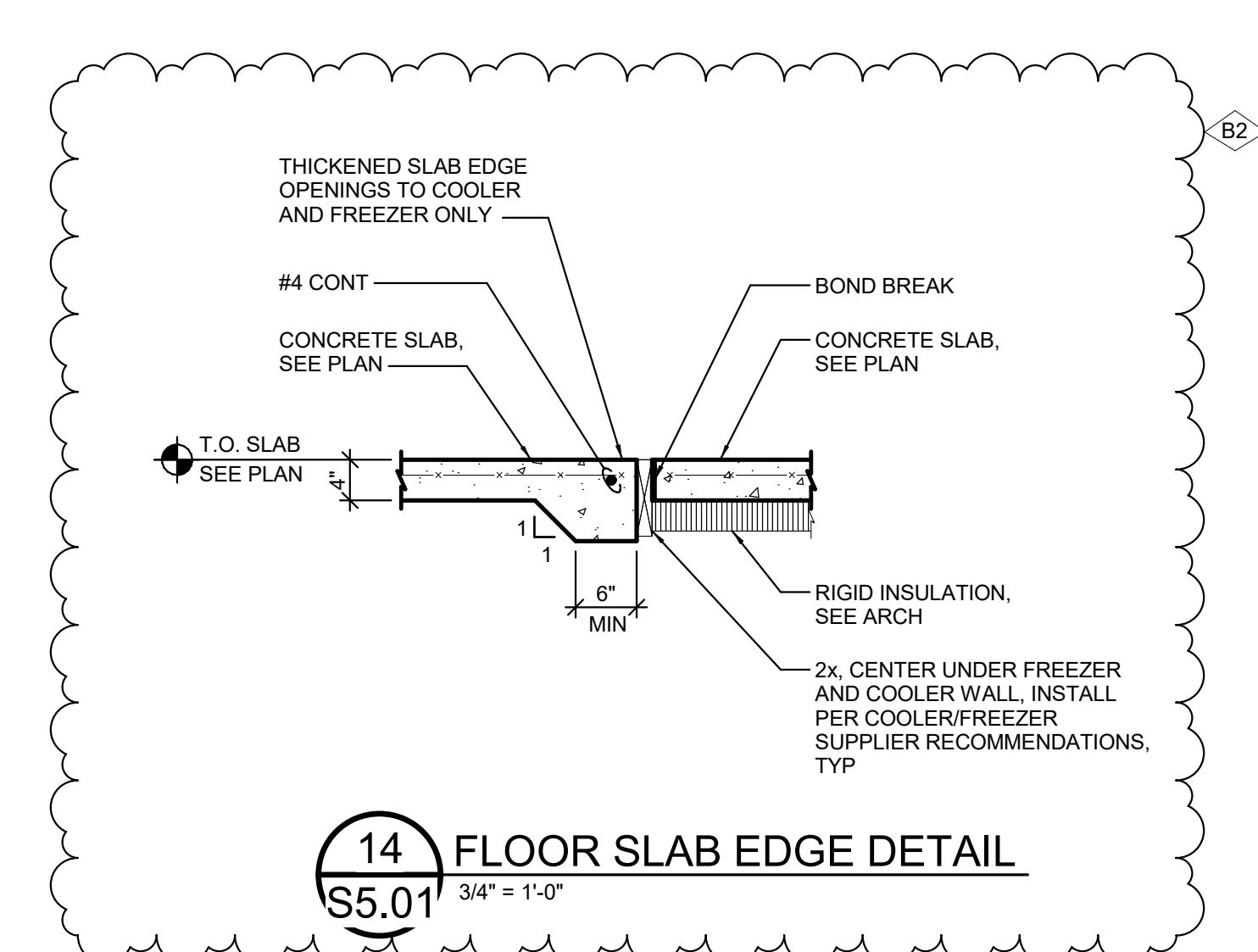
11 WALL OPENING REINFORCEMENT  
S5.01 3/4" = 1'-0"



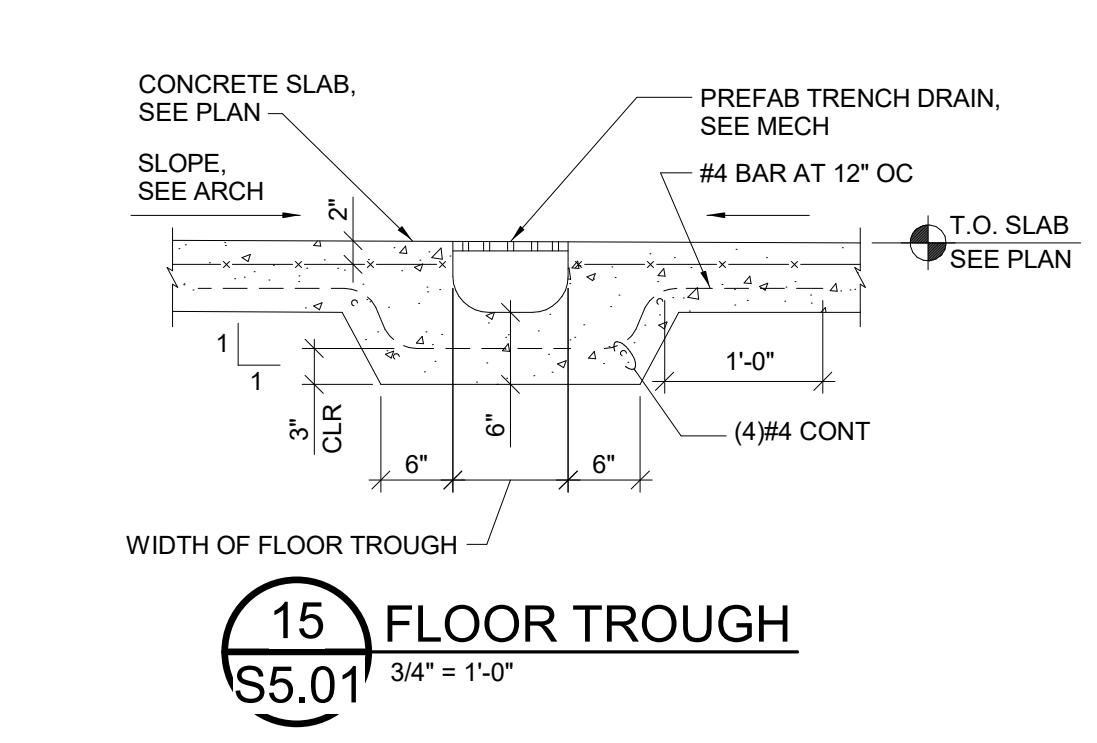
12 CONTROL/CONSTRUCTION JOINTS  
S5.01 3/4" = 1'-0"



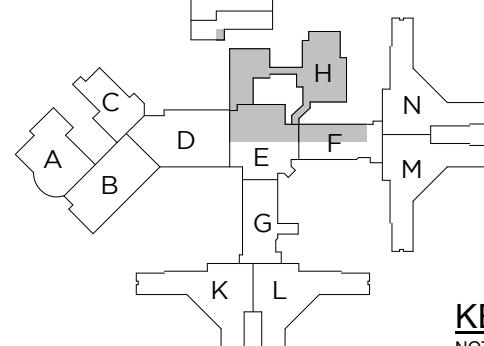
13 INTERIOR WALL FOOTING  
S5.01 3/4" = 1'-0"



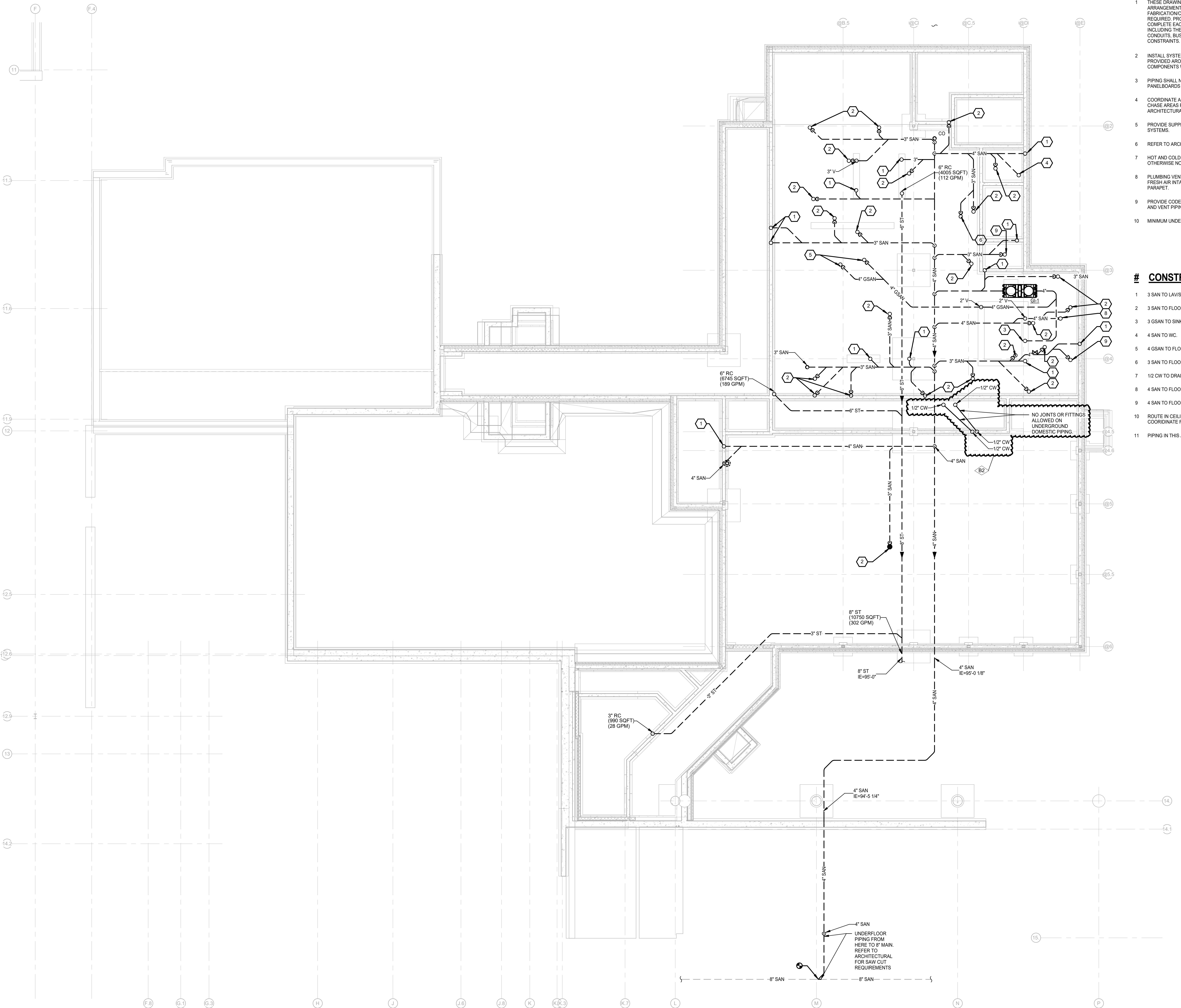
14 FLOOR SLAB EDGE DETAIL  
S5.01 3/4" = 1'-0"



15 FLOOR TROUGH  
S5.01 3/4" = 1'-0"

B2	BULLETIN NO. 2	05/13/25
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A3	ADDENDUM NO. 3	09/28/23
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FILE NO. 491/20167.SDW		
FUNDING CODE 171CODHHS7255		
CONTRACT NO. Y22003		
 <b>KEY PLAN</b> <small>NOT TO SCALE</small>		
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<b>PROJECT TITLE</b> <b>491/20167.SDW - PHASE 500:</b> <b>CENTER FOR FORENSIC</b> <b>PSYCHIATRY - CREATE</b> <b>KITCHEN</b> <b>SALINE, MICHIGAN</b>		
<b>SHEET TITLE</b> <b>FOUNDATION DETAILS</b>		
<b>PROJECT NUMBER</b> <b>2021094</b>		
<b>PROJECT DATE</b> <b>SEPTEMBER 6, 2023</b>		
<b>CHECKED BY</b> <b>JAG</b>		
<b>SHEET NUMBER</b> <b>S5.01</b>		

THE FOLLOWING DIMENSION EQUALS 1" WHEN PRINTED TO SCALE.



#### PLUMBING GENERAL NOTES:

- 1 THESE DRAWINGS ARE DIAGRAMMATIC, AND REPRESENT THE GENERAL INTENT AND ARRANGEMENT OF SYSTEMS. THEY ARE NOT TO BE CONSIDERED FABRICATION/COORDINATION/SHOP DRAWINGS. COORDINATION WITH OTHER TRADES IS REQUIRED. PROVIDE THE ADDITIONAL FITTINGS AND OFFSETS THAT ARE REQUIRED TO COUPLE THE SYSTEMS. AVOID OVERLAPPING OF OTHER SYSTEMS INCLUDING THE STRUCTURE, SHEET METAL, OTHER PIPING SYSTEMS, ELECTRICAL, BUS DUCTS, CABLE TRAY, LIGHT FIXTURES, ETC. AND/OR OTHER SPACE CONSTRAINTS.
- 2 INSTALL SYSTEMS SUCH THAT REQUIRED CLEARANCE AND SERVICE ACCESS SPACE IS PROVIDED AROUND ALL MECHANICAL AND ELECTRICAL EQUIPMENT, AND AROUND ANY COMPONENTS WHICH REQUIRE SERVICE ACCESS.
- 3 PIPING SHALL NOT BE INSTALLED ABOVE ELECTRICAL TRANSFORMERS, SWITCHBOARDS, PANELBOARDS OR MOTOR CONTROL CENTERS.
- 4 COORDINATE AND PROVIDE ACCESS DOORS WITHIN INACCESSIBLE CEILING, SHAFT, AND CHASE AREAS FOR ALL COMPONENTS WHICH REQUIRE SERVICE ACCESS. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES.
- 5 PROVIDE SUPPLEMENTARY STEEL AS REQUIRED FOR THE PROPER SUPPORT OF ALL SYSTEMS.
- 6 REFER TO ARCHITECTURAL PLANS FOR DIMENSIONED LOCATIONS OF PLUMBING FIXTURES.
- 7 HOT AND COLD WATER PIPING RUN-OUTS TO LAVATORIES AND SINKS SHALL BE 1/2" UNLESS OTHERWISE NOTED.
- 8 PLUMBING VENT PIPING THROUGH ROOF SHALL BE LOCATED A MINIMUM OF 10'-0" FROM ANY FRESH AIR INTAKE LOCATION AND A MINIMUM OF 18" CLEAR FROM THE INSIDE FACE OF PARAPET.
- 9 PROVIDE CODE REQUIRED CLEARANCE FOR ALL CLEANOUTS INSTALLED IN SANITARY WASTE AND VENT PIPING.
- 10 MINIMUM UNDERGROUND PIPE SIZE SHALL BE 3".

#### # CONSTRUCTION KEY NOTES:

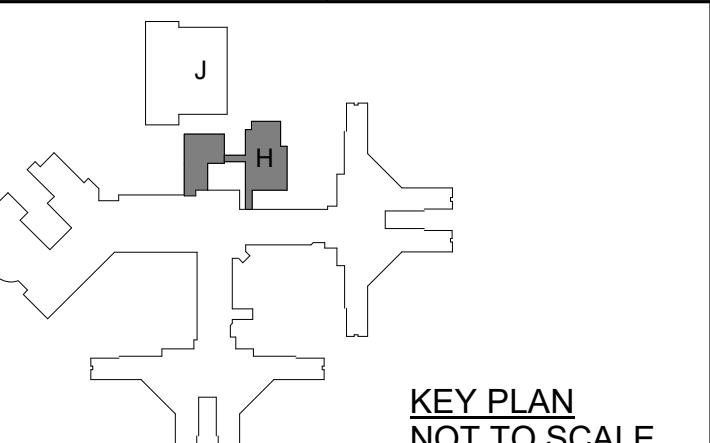
- 1 3 SAN TO LAV/SINK.
- 2 3 SAN TO FLOOR DRAIN/SINK.
- 3 3 GSAN TO SINK.
- 4 4 SAN TO WC.
- 5 4 GSAN TO FLOOR TROUGH.
- 6 3 SAN TO FLOOR TROUGH.
- 7 1/2 CW TO DRAIN COOLER.
- 8 4 SAN TO FLOOR TROUGH.
- 9 4 SAN TO FLOOR DRAIN/SINK.
- 10 ROUTE IN CEILING SPACE OF GYM, ROUTE ALONG SIDE NEW MECHANICAL PIPING. COORDINATE FINAL ROUTING WITH MECHANICAL TRADES.
- 11 PIPING IN THIS AREA ROUTED WITHIN SECOND FLOOR CEILING SPACE.

5	BULLETIN NO.2	04/15/25
2	STATE REVIEW SET	12/20/23
1	ADDENDUM #3	09/29/23
NO.	REVISION	DATE

STATE OF MICHIGAN  
DEPARTMENT OF TECHNOLOGY, MANAGEMENT AND BUDGET  
FACILITIES AND BUSINESS SERVICES ADMINISTRATION  
DESIGN AND CONSTRUCTION DIVISION  
ADAM LACHRA, DIRECTOR

FILE NO.  
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FUNDING CODE  
171CODHHS7255 CONTRACT NO.  
Y22003



KEY PLAN  
NOT TO SCALE

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PROJECT TITLE  
491/20167.SDW - PHASE 500:  
CENTER FOR FORENSIC  
PSYCHIATRY - CREATE  
KITCHEN  
SALINE, MICHIGAN

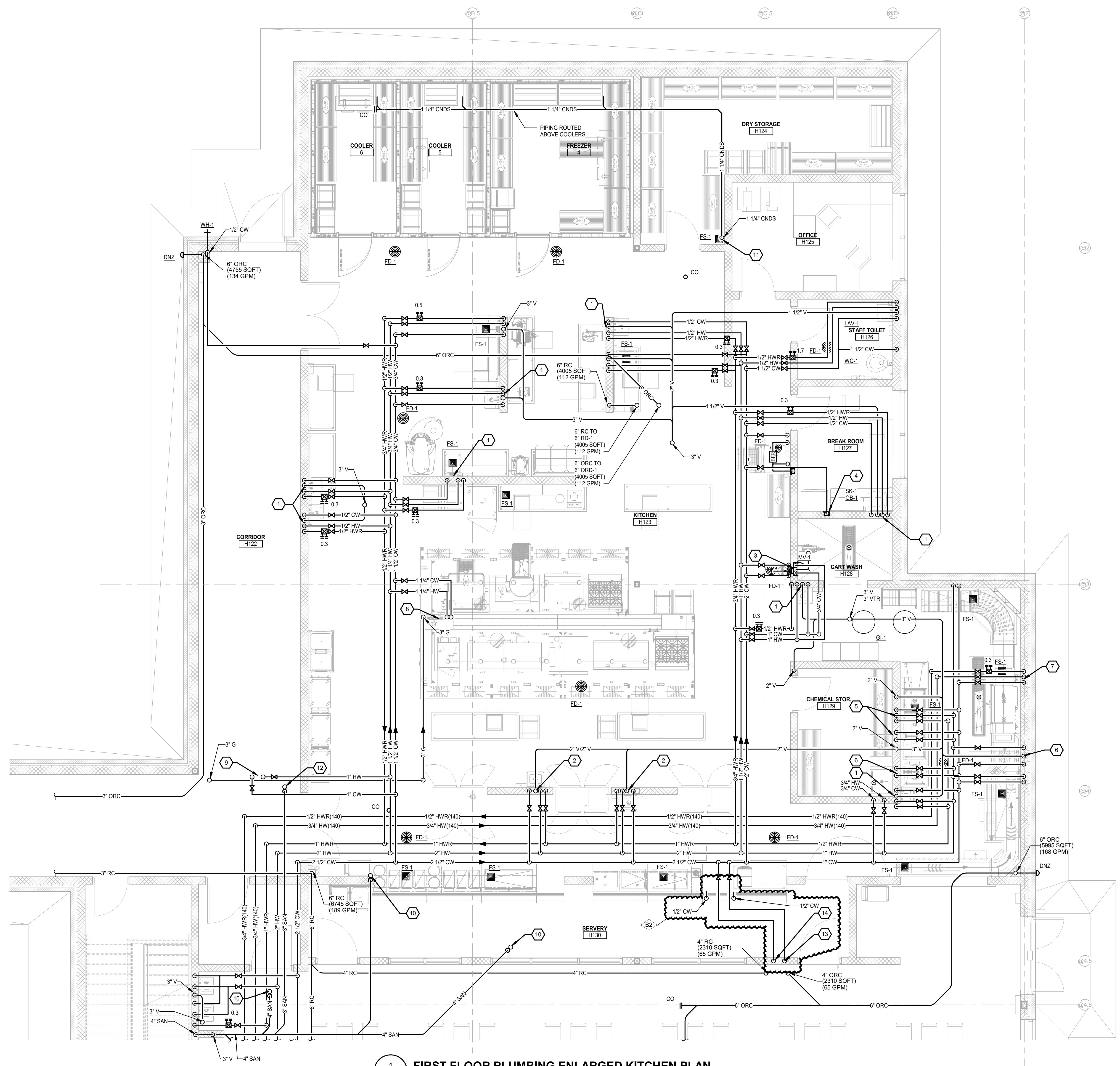
SHEET TITLE  
UNDERGROUND PLUMBING  
PLAN

PROJECT NUMBER  
2021094

SHEET NUMBER  
M2.00

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PBA Project No: 2021-0402

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**PLUMBING GENERAL NOTES:**

- 1 THESE DRAWINGS ARE DIAGRAMMATIC, AND REPRESENT THE GENERAL INTENT AND ARRANGEMENT OF SYSTEMS. THEY ARE NOT TO BE CONSIDERED FABRICATION/COORDINATION/SHOP DRAWINGS. COORDINATION WITH OTHER TRADES IS REQUIRED. PROVIDE THE ADDITIONAL FITTINGS AND OFFSETS THAT WILL BE REQUIRED TO COORDINATE WITH OTHER TRADES. PROVIDE ACCESS TO OTHER TRADES INCLUDING THE STRUCTURE, SHEET METAL, OTHER PIPING SYSTEMS, ELECTRICAL CONDUITS, BUS DUCTS, CABLE TRAY, LIGHT FIXTURES, ETC. AND/OR OTHER SPACE CONSTRAINTS.
- 2 INSTALL SYSTEMS SUCH THAT REQUIRED CLEARANCE AND SERVICE ACCESS SPACE IS PROVIDED AROUND ALL MECHANICAL AND ELECTRICAL EQUIPMENT, AND AROUND ANY COMPONENTS WHICH REQUIRE SERVICE ACCESS.
- 3 PIPING SHALL NOT BE INSTALLED ABOVE ELECTRICAL TRANSFORMERS, SWITCHBOARDS, PANELBOARDS OR MOTOR CONTROL CENTERS.
- 4 COORDINATE AND PROVIDE ACCESS DOORS WITHIN INACCESSIBLE CEILING, SHAFT, AND CHASE AREAS FOR ALL COMPONENTS WHICH REQUIRE SERVICE ACCESS. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES.
- 5 PROVIDE SUPPLEMENTAL STEEL AS REQUIRED FOR THE PROPER SUPPORT OF ALL SYSTEMS.
- 6 REFER TO ARCHITECTURAL PLANS FOR DIMENSIONED LOCATIONS OF PLUMBING FIXTURES.
- 7 HOT AND COLD WATER PIPING RUN-OUTS TO LAVATORIES AND SINKS SHALL BE 1/2" UNLESS OTHERWISE NOTED.
- 8 PLUMBING VENT PIPING THROUGH ROOF SHALL BE LOCATED A MINIMUM OF 10'-0" FROM ANY FRESH AIR INTAKE LOCATION AND A MINIMUM OF 18" CLEAR FROM THE INSIDE FACE OF PAVILION.
- 9 PROVIDE CODE REQUIRED CLEARANCE FOR ALL CLEANOUTS INSTALLED IN SANITARY WASTE AND VENT PIPING.
- 10 MINIMUM UNDERGROUND PIPE SIZE SHALL BE 3".

**# CONSTRUCTION KEY NOTES:**

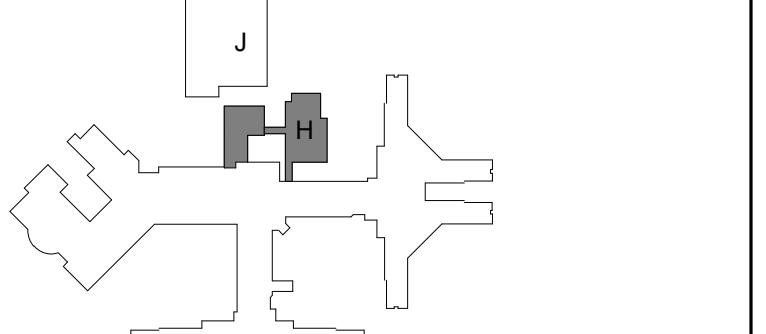
- 1 3 SAN, 2 V, 1/2 CW, 1/2 HW, AND 1/2 HWR TO SINK.
- 2 3 SAN, 1 1/2 V, 1/2 CW, 1/2 HW TO SINK.
- 3 3/4 CW AND 3/4 HW THROUGH CODE REQUIRED BACKFLOW PREVENTER AND CONNECT TO HOSE REAR MIXING VALVE.
- 4 1/2 CW TO OULETBOX FOR ICE MAKER.
- 5 3/4 CW, 3/4 HW TO 3 COMPARTMENT SINK. ROUTE 3 SAN FROM WASH COMPARTMENT, ROUTE IW FROM RINSE AND SANITIZE COMPARTMENT AND TERMINATE AT CODE REQUIRED DISTANCE ABOVE FLOOR SINK.
- 6 3/4 CW, 3/4 HW TO PRE-SPRAY AND FOOD GRINDER.
- 7 1/2 CW, 1/2 HW(140), AND 1/2 HWR(140) THROUGH CODE REQUIRED BACKFLOW PREVENTER. ROUTE 1/2 CW, 1/2 HW(140) FROM BACKFLOW PREVENTER TO DISHMACHINE. ROUTE IW FROM BACKFLOW PREVENTER AND DISHMACHINE AND TERMINATE AT CODE REQUIRED DISTANCE ABOVE FLOOR SINK.
- 8 3/4 CW, 3/4 HW, 1/2 HWR, AND 3 GAS TO UTILITY DISTRIBUTIONS SYSTEM.
- 9 1 CW AND 1 HW TO PENTHOUSE ABOVE.
- 10 4 SAN TO FLOOR DRAINS/SINK.
- 11 TERMINATE CONDENSATE AT CODE REQUIRED DISTANCE ABOVE FLOOR DRAINS/SINK.
- 12 3 SAN FOR FLOOR DRAINS/SINK.
- 13 1/2 CW TO UNDERGROUND TO SERVE BEVERAGE DISPENSER.
- 14 1/2 CW TO UNDERGROUND TO SERVE COLD FOOD SERVING COUNTER.

5 BULLETIN NO.2 04/15/25  
2 STATE REVIEW SET 12/20/23  
1 ADDENDUM #3 09/29/23  
NO. REVISION DATE

STATE OF MICHIGAN  
DEPARTMENT OF TECHNOLOGY, MANAGEMENT AND BUDGET  
FACILITIES AND BUSINESS SERVICES ADMINISTRATION  
DESIGN AND CONSTRUCTION DIVISION  
ADAM LACH RA, DIRECTOR

FILE NO.  
491/20167.SDW

FUNDING CODE  
171CODHHS7255 CONTRACT NO.  
Y22003



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PROJECT TITLE  
491/20167.SDW - PHASE 500:  
CENTER FOR FORENSIC  
PSYCHIATRY - CREATE  
KITCHEN  
SALINE, MICHIGAN

SHEET TITLE  
PLUMBING ENLARGED PLAN

PROJECT NUMBER  
2021094  
SHEET NUMBER  
M5.01  
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TRANSFORMER KVA	PRIMARY (480V)		SECONDARY (208Y/120 VOLT)				GROUNDING ELECTRODE CONDUCTOR	
	OVERCURRENT PROTECTION	OVERCURRENT PROTECTION	CONDUCTOR SIZE (AWG OR KCMIL)		CONDUIT (4W + SSB)			
			COPPER	COPPER				
9	20A	30A	10	8	3/4"	8		
15	25A	60A	6	8	1"	8	1	
30	45A	100A	3	8	1 1/4"	8	1	
45	70A	175A	20	4	2"	4		
75	125A	300A/225A	350 / 40	2	3"	2	2	
112 1/2	175A	400A	200	10	3 1/2"	10		
150	225A	600A	2-350	2-2	3-3"	20		
225	350A	800A	2-400	2-10	2-3 1/2"	30		
300	500A	1200A	3-600	3-10	3-3 1/2"	30		
500	800A	1600A	4-600	4-10	4-3 1/2"	30		

GENERAL NOTES:  
1. TRANSFORMERS AND FEEDERS ARE BASED ON 480 VOLT, 3 PHASE, 3 WIRE PRIMARY AND 208Y/120 VOLT, 3 PHASE, 4 WIRE, SECONDARY.  
2. ALUMINUM CONDUCTORS ARE PERMITTED ONLY IF INCLUDED IN FEEDER AND BRANCH CIRCUIT SIZING SCHEDULE.  
3. PRIMARY OVERCURRENT PROTECTION IS 125% OF TRANSFORMER FULL LOAD CURRENT. PROVIDE PRIMARY OVERCURRENT DEVICE SECTION TO ALLOW TRANSFORMER TO CARRY CURRENT AND PROTECT BASED ON THE ANSI DAMAGE CURVE. IF MANUFACTURER REQUIRES PRIMARY OVERCURRENT GREATER THAN 125% (NOT TO EXCEED 200%) THEN PRIMARY FEEDER SHALL BE INCREASED ACCORDINGLY.  
4. SECONDARY CONDUCTOR BASED ON TEN FOOT MAXIMUM LENGTH (NEC 240.21(C)(2)). IF CONDUCTORS ARE LONGER THAN TEN FOOT, REQUIREMENTS IN NEC 240.21(C)(6) MUST BE MET. IN NO CASE SHALL CONDUCTORS BE LONGER THAN TWENTY-FIVE FEET.

KEYED NOTES:  
1. CONDUCTORS ARE BASED ON 90°C, 600V. INSULATED WIRE APPLIED AT 75°C FOR TERMINATION RATED 60/75°C OR 75°C.  
2. THE SMALLER IS TO BE USED TO FEED 225A PANELBOARDS.

BRANCH CIRCUIT VOLTAGE DROP WIRING SCHEDULE FOR SINGLE PHASE CIRCUITS						
BRANCH CIRCUIT RATING (A)	WIRE SIZE (AWG)	MAXIMUM BRANCH CIRCUIT LENGTH (IN FEET)				
		120V	208Y	240V	377V	480V
20A	12	83	143	165	191	331
20A	10	128	222	256	295	511
20A	8	201	348	402	464	804
20A	6	313	542	625	721	1250
30A	10	85	148	170	197	341
30A	8	134	232	268	309	536
30A	6	208	361	417	481	833
30A	4	313	542	625	721	1250

GENERAL NOTES:  
1. MAXIMUM TABLE VALUES ARE BASED ON COPPER CONDUCTORS, IN STEEL CONDUIT, WITH A LOAD POWER FACTOR OF 0.85 PER NEC CHAPTER 9, TABLE 9.  
2. PROVIDE BRANCH CIRCUIT CONDUCTORS AS INDICATED IN THE TABLE ABOVE FOR ALL LIGHTING AND RECEPTACLE BRANCH CIRCUITS. WHERE BRANCH CIRCUITS SERVE DEDICATED EQUIPMENT, THE CONTRACTOR MAY PERFORM VOLTMETER CHECKS ON CIRCUITS TO DETERMINE THE APPROPRIATE CIRCUIT LOAD AND PROVIDE CONDUCTORS APPROPRIATELY SIZED TO LIMIT VOLTAGE DROP TO A MAXIMUM OF 3%.  
3. CONDUCTOR SIZES ARE BASED ON MAXIMUM OF 9 CURRENT CARRYING CONDUCTORS IN A SINGLE CONDUIT.  
4. LIMITS FOR CONDUCTOR LENGTHS SHOWN ARE BASED ON A MAXIMUM BRANCH CIRCUIT LOADING OF 64% OF THE BRANCH CIRCUIT RATING. FOR A MAXIMUM OF 3% VOLTAGE DROP, DIVIDE CIRCUIT LENGTH BY 90% AND THE NEC FOR CIRCUITS CAN BE GREATER THAN 64% OF BRANCH CIRCUIT RATING, THE CONTRACTOR SHALL PROVIDE CONDUCTORS APPROPRIATELY SIZED TO LIMIT VOLTAGE DROP TO 3%.

MOTOR CIRCUIT SIZING SCHEDULE (480V, 3 PHASE)					
MOTOR HP	SWITCH/FUSE	CIRCUIT BREAKER	STARTER	MOTOR DISCONNECT (NOTE 3)	
1/2	30/2A		1	30A	
3/4	30/3A	15A	1	30A	
1	30/6A	15A	1	30A	
1 1/2	30/6A	15A	1	30A	
2	30/6A	15A	1	30A	
3	30/10A	15A	1	30A	
5	30/15A	15A	1	30A	
7 1/2	30/20A	20A	1	30A	
10	30/20A	25A	1	30A	
15	30/30A	40A	2	30A	
20	60/60A	60A	2	60A	
25	60/90A	70A	2	60A	
30	60/80A	80A	3	60A	
40	100/90A	90A	3	100A	
50	100/100A	100A	3	100A	
60	200/125A	125A	4	200A	
75	200/150A	150A	4	200A	
100	200/200A	200A	4	200A	
125	200/200A	225A	5	200A	
150	400/250A	250A	5	400A	
200	400/350A	350A	5	400A	

GENERAL NOTES:  
1. BASED ON MOTOR FULL LOAD AMPERES AS PROVIDED BY THE N.E.C.  
2. BASED ON OVERLOAD PROTECTION PROVIDED BY THERMAL OVERLOAD RELAYS.  
3. WHERE THE STARTER IS LOCATED REMOTE FROM THE MOTOR, PROVIDE DISCONNECT LOCATED AT THE MOTOR. SIZE AS INDICATED.

SPECIAL RECEPTACLES	
TYPE	DESCRIPTION
Type 4	250V, 20A, THREE-PHASE, LOCKING RECEPTACLE, 3 POLE, 4 WIRE (NEMA L15-20R)
Type 8	250V, SINGLE-PHASE RECEPTACLE, 2 POLE, 3 WIRE (NEMA 5-20R)

B2

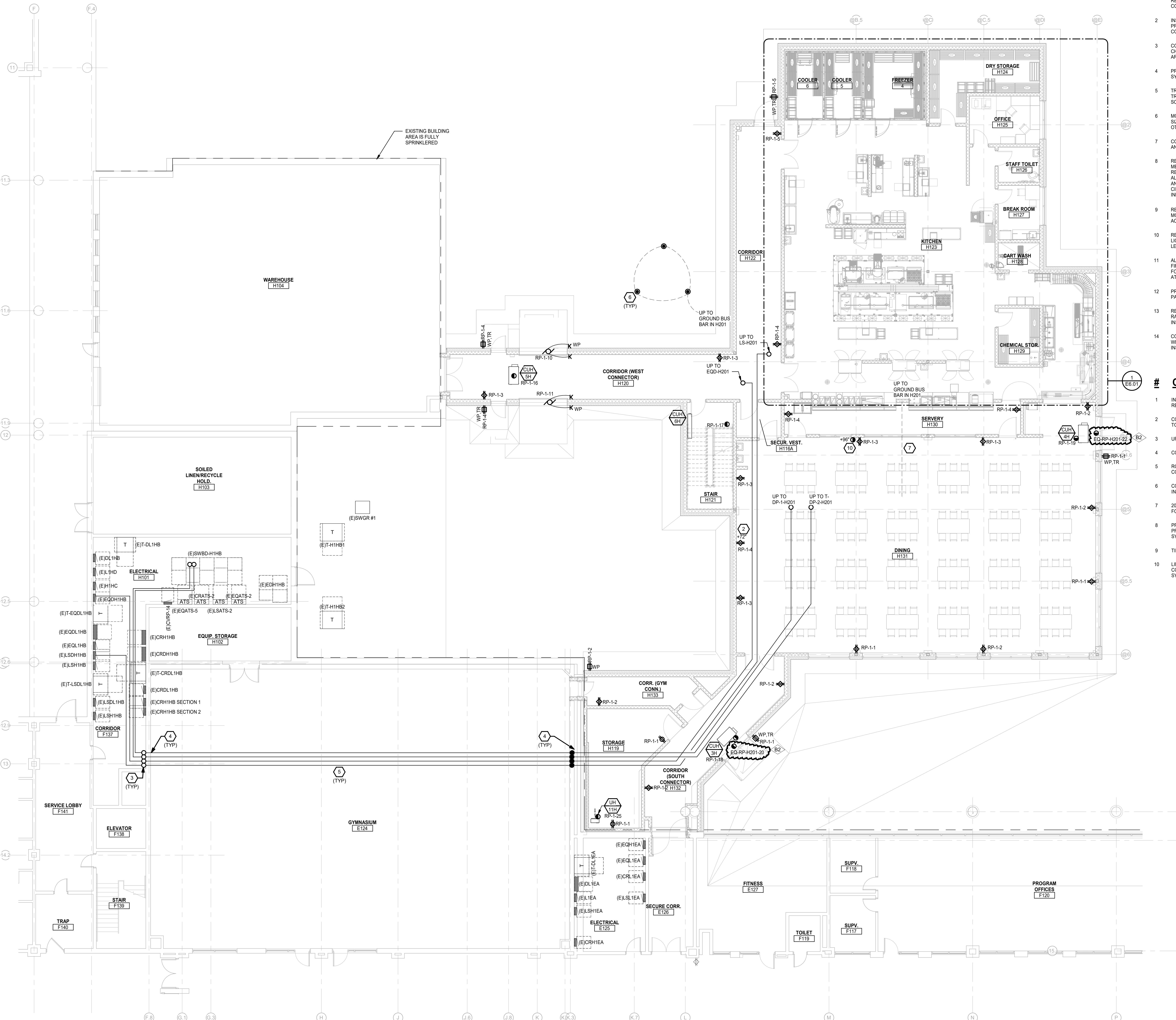
RACEWAY / CONDUCTOR / CABLE APPLICATION...					
WIRE	RACEWAY	CABLE/C ORD			
			THHN/THWN-2	EMT	WPC
COPPER, TYPE: THHN/THWN-2	COPPER, TYPE: XHHW-2				
RIGHT STEEL CONDUIT (RSC)	ELECTRICAL METALIC TUBING (EMT)				
HIGH DENSITY POLYETHYLENE (HDPE) SCHEDULE 40					
FLLEXIBLE METAL CONDUIT (FMC)					
LIQUID TIGHT FLEXIBLE METAL CONDUIT (LFC)					
METAL CLAD TYPE CABLE WITH INSULATED GROUND WIRE (TYPE NO. 1)					
WPC CABLE					

GENERAL NOTES:  
1. TRANSITION FROM PVC/HDPE AND PROVIDE RIGID STEEL OR RTRC SWEEPS WHERE CONDUITS PENETRATE WALLS, CONCRETE SLABS, CONCRETE BASES, AND ASPHALT.  
2. REFER TO SPECIFICATIONS FOR RESTRICTIONS ON MCAC/CABLE INSTALLATION.  
3. EMT SHALL NOT BE USED ON THE EXTERIOR OF A BUILDING OR IN AREAS SUBJECT TO DAMAGE BELOW 10' AFF.  
4. INSTALL SURFACE RACEWAYS ONLY WHERE SHOWN ON DRAWINGS.

KEYED NOTES:  
1. NON-ARMORED CABLE SHALL BE INSTALLED IN RACEWAY. ARMORED CABLE SHALL BE INSTALLED IN TRAY OR FREE-AIR AS APPROPRIATE.

FEEDER AND BRANCH CIRCUIT SIZING SCHEDULE - GENERAL PURPOSE								
COPPER CONDUCTORS			COPPER CONDUCTORS					
OVERCURRENT DEVICE RATING (AMPERES)	WIRE SIZE (AWG OR KCMIL)	PHASE & NEUTRAL GROUND	CONDUIT SIZE			THREE PHASE & NEUTRAL (3PH, 1N, G)	KEYED NOTES	
			SINGLE PHASE 2 WIRE-G (1PH, 1N, 1G)	SINGLE PHASE 3 WIRE-G (3PH, 1N, 1G)	THREE PHASE 3 WIRE-G (3PH, 1N, 1G)			
15-20	12	12	3/4"	3/4"	3/4"	3/4"		
25-30	10	10	3/4"	3/4"	3/4"	3/4"		
35-40	8	10	3/4"	3/4"	3/4"	3/4"		
45-50	8 (6)	10	3/4"	3/4"	3/4"	3/4"		
60	6 (4)	10	3/4" (1")	3/4" (1")	3/4" (1")	1" (1 1/4")		
70	4	8	1"	1"	1"	1" (1 1/4")		
80	4 (3)	8	1"	1 1/4"	1 1			

THE FOLLOWING DIMENSION EQUALS 1" WHEN PRINTED TO SCALE.



## **ELECTRICAL GENERAL NOTES:**

THESE DRAWINGS REPRESENT THE GENERAL EXTENT AND ARRANGEMENT OF SYSTEMS. COORDINATE EXACT EQUIPMENT LOCATIONS, ELEVATIONS, AND FINAL CONNECTION REQUIREMENTS. PROVIDE EACH SYSTEM COMPLETE, INCLUDING ALL NECESSARY COMPONENTS, FITTINGS AND OFFSETS.

INSTALL SYSTEMS SUCH THAT REQUIRED CLEARANCE AND SERVICE ACCESS SPACE IS PROVIDED AROUND ALL MECHANICAL AND ELECTRICAL EQUIPMENT, AND AROUND ANY COMPONENTS WHICH REQUIRE SERVICE ACCESS.

COORDINATE AND PROVIDE ACCESS DOORS WITHIN INACCESSIBLE CEILING, SHAFT, AND CHASE AREAS FOR ALL COMPONENTS WHICH REQUIRE SERVICE ACCESS. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES.

PROVIDE SUPPLEMENTARY STEEL AS REQUIRED FOR THE PROPER SUPPORT OF ALL SYSTEMS.

TRANSFORMER SECONDARY CONDUCTORS SHALL BE SIZED IN ACCORDANCE WITH TRANSFORMER CIRCUIT SIZING SCHEDULE SHOWN ON "ELECTRICAL STANDARD SCHEDULES DRAWING" UNLESS OTHERWISE NOTED.

MOTOR CIRCUIT PROTECTION SHALL BE SIZED IN ACCORDANCE WITH MOTOR CIRCUIT SIZING SCHEDULES SHOWN ON "ELECTRICAL STANDARD SCHEDULES DRAWING" UNLESS OTHERWISE NOTED.

COORDINATE THE MOUNTING HEIGHTS OF DEVICES WITH ARCHITECTURAL ELEVATIONS AND THE TRADES INSTALLING THE WORK.

REFER TO MECHANICAL SCHEDULE SHEETS FOR ELECTRICAL REQUIREMENTS FOR MECHANICAL EQUIPMENT. PROVIDE ALL CONNECTIONS, STARTERS, DISCONNECTS, ETC. AS REQUIRED BY SCHEDULES AND WHERE NOTED ELSEWHERE. VERIFY REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH SHOP DRAWINGS SUBMITTALS. NOTIFY ENGINEER OF ANY CONFLICTS BETWEEN EQUIPMENT SUBMITTALS AND ELECTRICAL DRAWINGS. WHERE CIRCUIT SIZES ARE SHOWN ON THE ELECTRICAL DRAWINGS THAT DIFFER FROM WHAT IS INDICATED ON THE MECHANICAL SCHEDULES, PROVIDE THE CIRCUIT OF HIGHER AMPACITY.

REFER TO TEMPERATURE CONTROLS SHEETS FOR REQUIRED FIRE ALARM CONTROL MODULES, DUCT SMOKE DETECTORS, AND MOTOR CONTROLLERS. PROVIDE ALL ACCESSORIES INDICATED.

REFER TO LIGHTING CONTROL SCHEDULE FOR ROOM CONTROL AND EMERGENCY LIGHTING CIRCUIT CONTROL REQUIREMENTS. DESIGNATION FOR ROOM IS INDICATED AS A LETTERED OVAL SYMBOL.

ALL FIRE ALARM DEVICES SHALL BE COMPATIBLE WITH EXISTING SIMPLEX GRINNEL 4120 FIRE ALARM SYSTEM. PROVIDE NECESSARY COMPONENTS, MODULES, ETC. AS REQUIRED FOR A FULLY FUNCTIONAL SYSTEM. RE-TEST AND CERTIFY EXISTING FIRE ALARM SYSTEM AT COMPLETION OF PROJECT.

PROVIDE TAMPER RESISTANT COVER PLATE KENALL WPP SERIES OR EQUAL WHERE PATIENTS WILL HAVE ACCESS TO DEVICES.

REFER TO SECURITY/TELECOMMUNICATION DRAWINGS FOR FINAL DEVICE LOCATIONS ANDraceway REQUIREMENTS. COORDINATE WITH SECURITY REQUIREMENTS WITH STALLING TRADES.

COORDINATE ELECTRICAL REQUIREMENTS DEVICE LOCATIONS AND MOUNTING HEIGHTS WITH KITCHEN EQUIPMENT DRAWINGS, SHOP DRAWINGS AND KITCHEN EQUIPMENT STALLER.

## **CONSTRUCTION KEY NOTES:**

INSTALL SALVAGED EQUIPMENT ON NEW ROOF. EXTEND EXISTING BRANCH CIRCUITS AS REQUIRED.

COORDINATE FINAL LOCATION OF TV WITH ARCHITECTURAL DRAWINGS AND TRADES PRIOR TO ROUGH IN.

UP TO SECOND FLOOR ELECTRICAL ROOM E203. CORE EXISTING FLOOR.

RE MOVE EXISTING WALL.

ROUTE IN CEILING SPACE OF GYM. ROUTE ALONG SIDE NEW MECHANICAL PIPING. COORDINATE FINAL ROUTING WITH MECHANICAL TRADES.

COORDINATE GROUND ROD PLACEMENT WITH EXISTING UTILITIES PRIOR TO DRIVING THEM.

1'-0" #4/0 BARE COPPER CONDUCTOR FOR CONCRETE-ENCASED ELECTRODE IN FOUNDATION ENCASED BY AT LEAST 2" OF CONCRETE.

PROVIDE LIGHTNING PROTECTION FOR WHOLE BUILDING ADDITION. LIGHTNING PROTECTION SYSTEM SHALL BE UL LISTED MASTER LABEL. REFER TO SPECIFICATIONS FOR SYSTEM REQUIREMENTS.

MOVE INTO THE EXISTING LIGHTNING PROTECTION ON EXISTING BUILDING AS REQUIRED.

ONE VOLTAGE CLOCK STANDARD ELECTRIC TIME FARADAY 2364 OR OTHER CLOCK COMPATIBLE WITH EXISTING SYSTEM. EXTEND WIRING FROM EXISTING CLOCK HEAD END (ITEM #1) AS REQUIRED.

STATE OF MICHIGAN  
DEPARTMENT OF TECHNOLOGY, MANAGEMENT AND BUDGET  
FACILITIES AND BUSINESS SERVICES ADMINISTRATION  
DESIGN AND CONSTRUCTION DIVISION

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CODE DHHS7255	CONTRACT NO. Y22003
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An architectural key plan diagram. It features several room outlines: a large rectangular room at the top left labeled 'J', a smaller room below it labeled 'H', and a central rectangular room. To the right of the central room is a long, narrow room. Below the central room are two smaller, adjacent rooms. The entire diagram is composed of black lines on a white background.

The logo consists of two dark grey circles. The left circle contains a white horizontal bar, and the right circle contains a white upward-pointing triangle.

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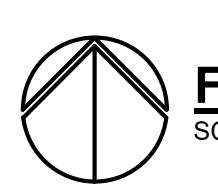
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# 0167.SDW - PHASE 500: ENTER FOR FORENSIC PSYCHIATRY - CREATE CHEN

# ST FLOOR POWER PLAN

NUMBER  
**1094**

EMBER 6, 2023



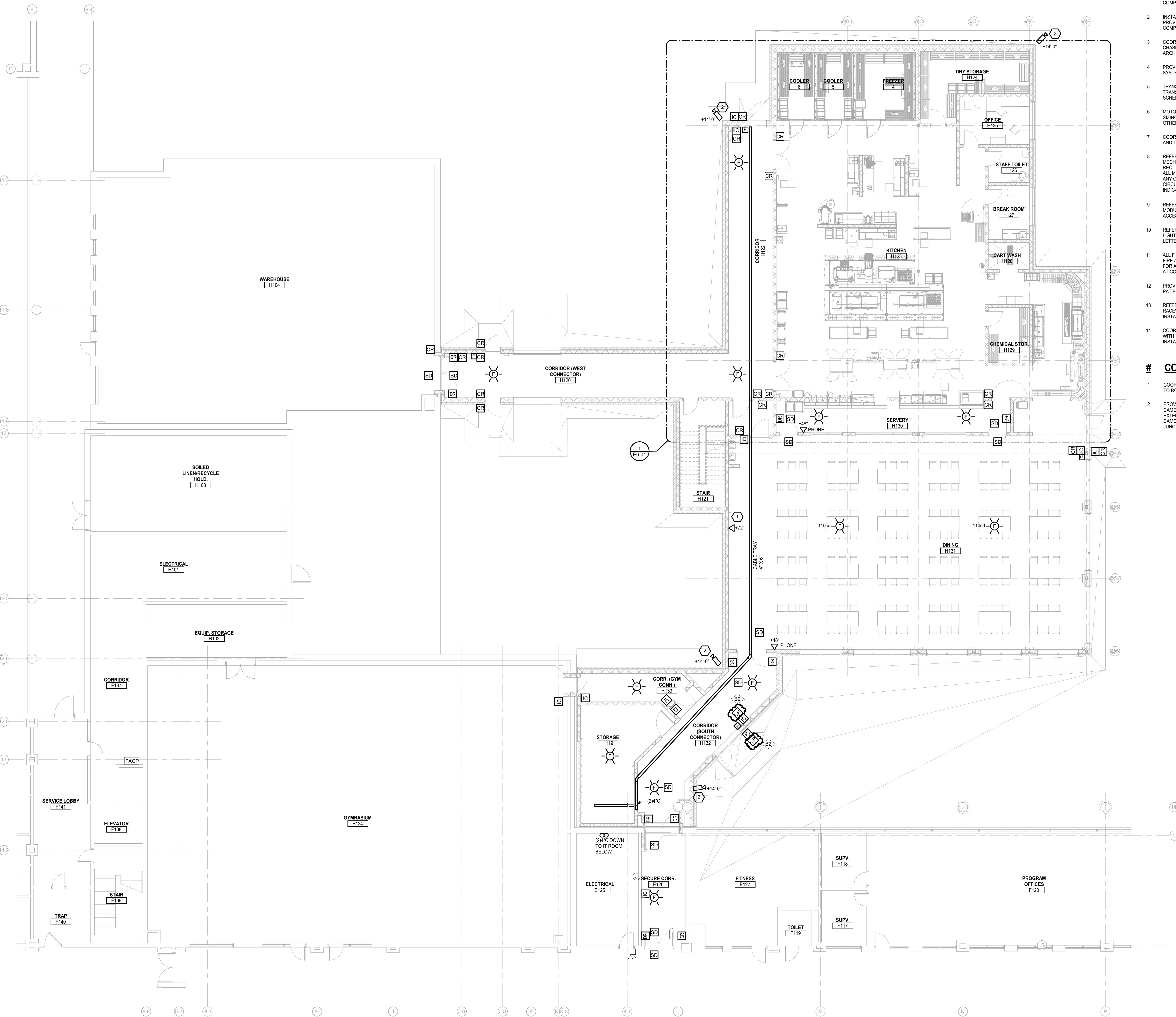


# **FIRST FLOOR POWER PLAN - UNIT H**

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

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THE FOLLOWING DIMENSION EQUALS 1"  
ONE INCH WHEN PRINTED TO SCALE.



FIRST FLOOR AUXILIARY SYSTEMS PLAN - UNIT H  
SCALE: 1/8" = 1'-0"

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- 6 MOTOR CIRCUIT PROTECTION SHALL BE SIZED IN ACCORDANCE WITH MOTOR CIRCUIT SIZING SCHEDULES SHOWN ON 'ELECTRICAL STANDARD SCHEDULES DRAWING' UNLESS OTHERWISE NOTED.
- 7 COORDINATE THE MOUNTING HEIGHTS OF DEVICES WITH ARCHITECTURAL ELEVATIONS AND THE TRADES INSTALLING THE WORK.
- 8 REFER TO MECHANICAL SCHEDULE SHEETS FOR ELECTRICAL REQUIREMENTS FOR MECHANICAL EQUIPMENT. PROVIDE ALL CONNECTIONS, STARTERS, DISCONNECTS, ETC. AS REQUIRED BY SCHEDULES AND WHERE NOTED ELSEWHERE. VERIFY REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH SHOP DRAWINGS SUBMITTALS. NOTIFY ENGINEER OF ANY CONFLICTS BETWEEN EQUIPMENT SUBMITTALS AND ELECTRICAL DRAWINGS. WHERE CIRCUIT SIZES ARE SHOWN ON THE ELECTRICAL DRAWINGS THAT DIFFER FROM WHAT IS INDICATED ON THE MECHANICAL SCHEDULES, PROVIDE THE CIRCUIT OF HIGHER AMPACITY.
- 9 REFER TO TEMPERATURE CONTROLS SHEETS FOR REQUIRED FIRE ALARM CONTROL MODULES, DUCT SMOKE DETECTORS, AND MOTOR CONTROLLERS. PROVIDE ALL ACCESSORIES INDICATED.
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- 12 PROVIDE TAMPER RESISTANT COVER PLATE KENNEL WPI SERIES OR EQUAL WHERE PATIENTS WILL HAVE ACCESS TO DEVICES.
- 13 REFER TO SECURITY/TELECOMMUNICATION DRAWINGS FOR FINAL DEVICE LOCATIONS AND RACEWAY REQUIREMENTS. COORDINATE WITH SECURITY REQUIREMENTS WITH INSTALLING TRADES.
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#### CONSTRUCTION KEY NOTES:

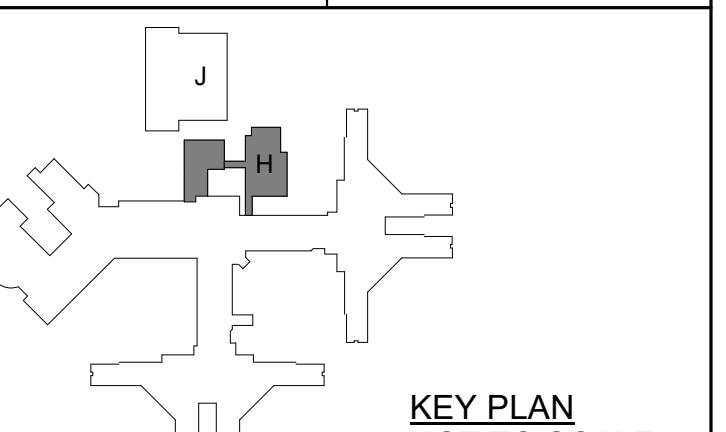
- 1 COORDINATE FINAL LOCATION OF TV WITH ARCHITECTURAL DRAWINGS AND TRADES PRIOR TO ROUGH IN.
- 2 PROVIDE SINGLE GANG JUNCTION BOX AT 14'-0" ADJACENT TO EXTERIOR MOUNTED CAMERA. PROVIDE SEAL TIGHT CONDUIT AND ASSOCIATED FITTINGS/SEALS FROM EXTERIOR BOX TO CAMERA HOUSING. COORDINATE FINAL MOUNTING LOCATION WITH CAMERA INSTALLER AND DRAWINGS. PROVIDE 1-1/4" CONDUIT FROM SINGLE GANG JUNCTION BOX TO CABLE TRAY.

5	BULLETIN NO.2	04/15/25
2	STATE REVIEW SET	12/20/23
1	ADDENDUM #3	09/29/23
NO.	REVISION	DATE

STATE OF MICHIGAN  
DEPARTMENT OF TECHNOLOGY, MANAGEMENT AND BUDGET  
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ADAM LACHRA, DIRECTOR

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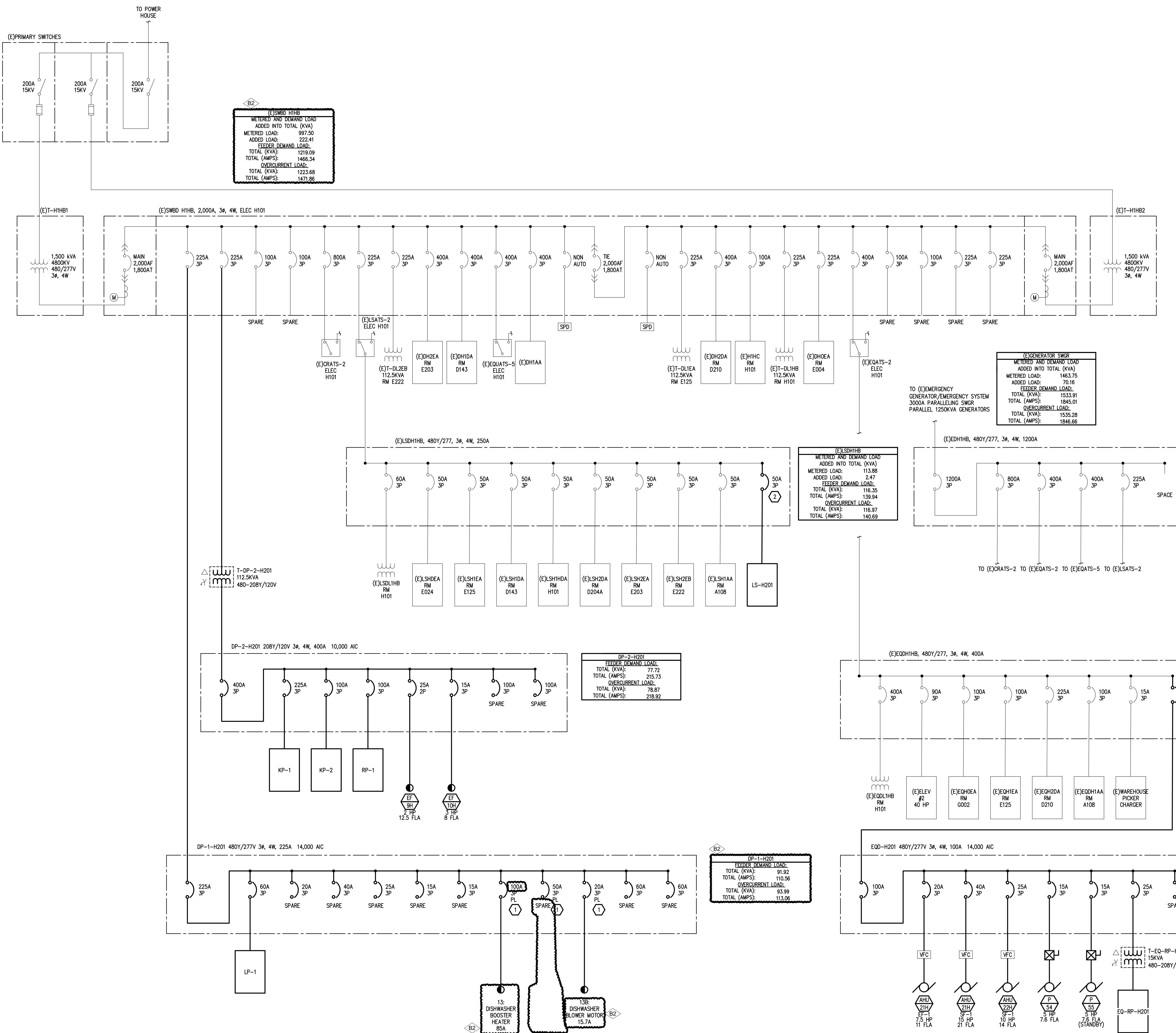
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PROJECT TITLE  
491/20167.SDW - PHASE 500:  
CENTER FOR FORENSIC  
PSYCHIATRY - CREATE  
KITCHEN  
SALINE, MICHIGAN

SHEET TITLE  
FIRST FLOOR AUXILIARY  
SYSTEMS PLAN - UNIT H

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PROJECT DATE SEPTEMBER 6, 2023		
CHECKED BY TLC		



## DIAGRAM GENERAL NOTES:

THESE DRAWINGS REPRESENT THE GENERAL EXTENT AND ARRANGEMENT OF SYSTEMS. COORDINATE EXACT EQUIPMENT LOCATIONS, ELEVATIONS, AND FINAL CONNECTION REQUIREMENTS. PROVIDE EACH SYSTEM COMPLETE, INCLUDING ALL NECESSARY COMPONENTS, FITTINGS AND OFFSETS.

FEEDER AND BRANCH CIRCUIT CONDUCTORS SHALL BE SIZED IN ACCORDANCE WITH THE "FEEDER AND BRANCH CIRCUIT SIZING SCHEDULE—GENERAL PURPOSE" ON THE "ELECTRICAL STANDARD SCHEDULES DRAWING" UNLESS SPECIFICALLY NOTED OTHERWISE.

TRANSFORMER SECONDARY CONDUCTORS SHALL BE SIZED IN ACCORDANCE WITH THE "TRANSFORMER CIRCUIT SIZING SCHEDULE—GENERAL PURPOSE" ON THE "ELECTRICAL STANDARD SCHEDULES DRAWING" UNLESS SPECIFICALLY NOTED OTHERWISE.

MOTOR CIRCUIT PROTECTION SHALL BE SIZED IN ACCORDANCE WITH THE MOTOR CIRCUIT SIZING SCHEDULES ON THE "ELECTRICAL STANDARD SCHEDULES DRAWING" UNLESS SPECIFICALLY NOTED OTHERWISE.

BASIS OF DESIGN IS EATON/CUTLER-HAMMER POW-R-LINE DISTRIBUTION EQUIPMENT. IF THE CONTRACTOR ELECTS TO PROVIDE EQUIPMENT FROM OTHER APPROVED MANUFACTURERS, THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE THE LAYOUT AND CLEARANCE REQUIREMENTS IN ALL SPACES CONTAINING ELECTRICAL EQUIPMENT AND PROVIDE EQUIPMENT MEETING THE SPECIFICATIONS AND ACHIEVING CODE REQUIRED CLEARANCES WITHIN THE SPACE PROVIDED.

VARIABLE FREQUENCY CONTROLLERS (VFC) FURNISHED BY MECHANICAL TRADES. ELECTRICAL CONTRACTOR SHALL INSTALL VFC, PROVIDE POWER FEEDER FROM DISTRIBUTION EQUIPMENT TO VFC AND PROVIDE POWER FEEDER FROM VFC TO MOTOR. REFER TO SPECIFICATIONS FOR APPLICATION OF VFC POWER CABLE FROM VFC TO MOTOR.

# CONSTRUCTION KEY NOTES

1. PROVIDE PADLOCKABLE HANDLE.
2. PROVIDE NEW CIRCUIT BREAKER IN EXISTING SPACE OF PANEL. EXISTING PANEL IS CUTLER-HAMMER POW-R-LINE PRL4 SERIES.

6	BULLETIN #2	04/15/25
2	BULLETIN #1	01/19/24
	STATE REVIEW SET	12/20/23
0.	REVISION	DATE

STATE OF MICHIGAN  
DEPARTMENT OF TECHNOLOGY, MANAGEMENT AND BUDGET  
FACILITIES AND BUSINESS SERVICES ADMINISTRATION  
DESIGN AND CONSTRUCTION DIVISION

E NO. 1/20167.SDW	
ENDING CODE 1C0DHHS7255	CONTRACT NO. Y22003

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11. *What is the primary purpose of the following statement?*

## 67.SDW - PHASE 500:

# TER FOR FORENSIC HIASTRY - CREATE

# THAT'S HOW WE CREATE HEN MICHIGAN

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## LINE DIAGRAM - NEW

## LINE DIAGRAM - NEW

NUMBER SHEET NUMBER

55.01

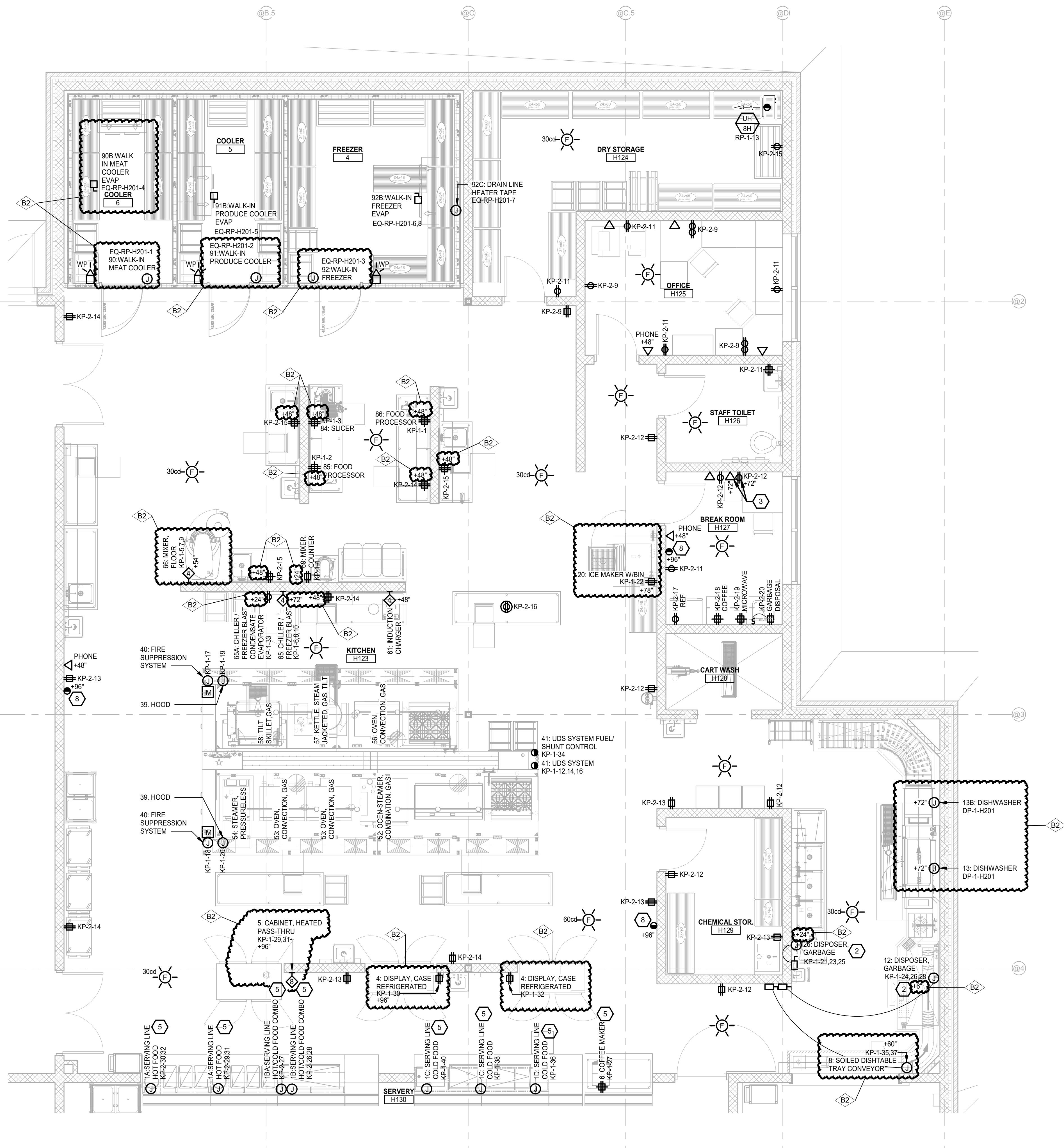
23, 2023

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# ONE-LINE DIAGRAM - SWITCHBOARD H1HB

**NO SCALE**





1 FIRST FLOOR ELECTRICAL ENLARGED KITCHEN PLAN  
E3.01 SCALE: 1/4" = 1'-0"

ELECTRICAL GENERAL NOTES:

- 1 THESE DRAWINGS REPRESENT THE GENERAL EXTENT AND ARRANGEMENT OF SYSTEMS. COORDINATE EXACT EQUIPMENT LOCATIONS, ELEVATIONS, AND FINAL CONNECTION REQUIREMENTS. PROVIDE EACH SYSTEM COMPLETE, INCLUDING ALL NECESSARY COMPONENTS, FITTINGS AND OFFSETS.
- 2 INSTALL SYSTEMS SUCH THAT REQUIRED CLEARANCE AND SERVICE ACCESS SPACE IS PROVIDED AROUND ALL MECHANICAL AND ELECTRICAL EQUIPMENT, AND AROUND ANY COMPONENTS WHICH REQUIRE SERVICE ACCESS.
- 3 COORDINATE AND PROVIDE ACCESS DOORS WITHIN INACCESSIBLE CEILING, SHAFT, AND CHASE AREAS FOR ALL COMPONENTS WHICH REQUIRE SERVICE ACCESS. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES.
- 4 PROVIDE SUPPLEMENTARY STEEL AS REQUIRED FOR THE PROPER SUPPORT OF ALL SYSTEMS.
- 5 TRANSFORMER SECONDARY CONDUCTORS SHALL BE SIZED IN ACCORDANCE WITH TRANSFORMER CIRCUIT SIZING SCHEDULE SHOWN ON "ELECTRICAL STANDARD SCHEDULES DRAWING" UNLESS OTHERWISE NOTED.
- 6 MOTOR CIRCUIT PROTECTION SHALL BE SIZED IN ACCORDANCE WITH MOTOR CIRCUIT SIZING SCHEDULES SHOWN ON "ELECTRICAL STANDARD SCHEDULES DRAWING" UNLESS OTHERWISE NOTED.
- 7 COORDINATE THE MOUNTING HEIGHTS OF DEVICES WITH ARCHITECTURAL ELEVATIONS AND THE TRADES INSTALLING THE WORK.
- 8 REFER TO MECHANICAL SCHEDULE SHEETS FOR ELECTRICAL REQUIREMENTS FOR MECHANICAL EQUIPMENT. PROVIDE ALL CONNECTION, STARTERS, THERMISTORS, ETC. AS REQUIRED BY SCHEDULES. WHERE NOTED ELSEWHERE, VERIFY REQUIREMENTS OF ALL MECHANICAL EQUIPMENT AND ELECTRICAL DRAWINGS. WHERE CIRCUIT SIZES ARE SHOWN ON THE ELECTRICAL DRAWINGS THAT DIFFER FROM WHAT IS INDICATED ON THE MECHANICAL SCHEDULES, PROVIDE THE CIRCUIT OF HIGHER AMPACITY.
- 9 REFER TO TEMPERATURE CONTROL SHEETS FOR REQUIRED FIRE ALARM CONTROL MODULES, DUCT SMOKE DETECTORS, AND MOTOR CONTROLLERS. PROVIDE ALL ACCESSORIES INDICATED.
- 10 REFER TO LIGHTING CONTROL SCHEDULE FOR ROOM CONTROL AND EMERGENCY LIGHTING CIRCUIT CONTROL REQUIREMENTS. DESIGNATION FOR ROOM IS INDICATED AS A LETTERED OVAL SYMBOL.
- 11 ALL FIRE ALARM DEVICES SHALL BE COMPATIBLE WITH EXISTING SIMPLEX GRINNELL 4120 FIRE ALARM SYSTEM. PROVIDE NECESSARY COMPONENTS, MODULES, ETC. AS REQUIRED FOR A FULLY FUNCTIONAL SYSTEM. RE-TEST AND CERTIFY EXISTING FIRE ALARM SYSTEM AT COMPLETION OF PROJECT.
- 12 PROVIDE TAMPER RESISTANT COVER PLATE KENNELL WPP SERIES OR EQUAL WHERE PATIENTS WILL HAVE ACCESS TO DEVICES.
- 13 REFER TO SECURITY/TELECOMMUNICATION DRAWINGS FOR FINAL DEVICE LOCATIONS AND RACEWAY REQUIREMENTS. COORDINATE WITH SECURITY REQUIREMENTS WITH INSTALLING TRADES.
- 14 COORDINATE ELECTRICAL REQUIREMENTS DEVICE LOCATIONS AND MOUNTING HEIGHTS WITH KITCHEN EQUIPMENT DRAWINGS, SHOP DRAWINGS AND KITCHEN EQUIPMENT INSTALLER.

# CONSTRUCTION KEY NOTES:

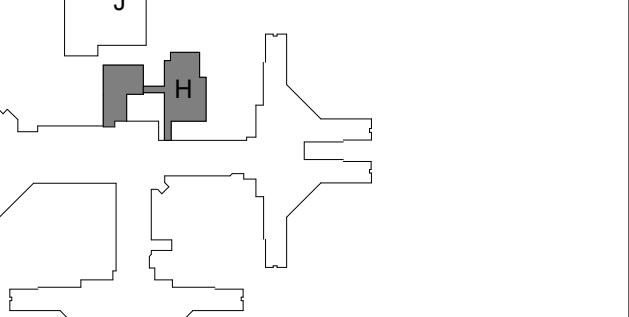
- 1 PROVIDE TOGGLE SWITCH LOCK GUARD FOR BOILER DISCONNECT LOCKING MEANS.
- 2 PROVIDE INTERWIRE TO CONTROL PANEL. COORDINATE WITH FOOD SERVICE INSTALLER AND INSTALLATION INSTRUCTIONS.
- 3 COORDINATE FINAL LOCATION OF TV WITH ARCHITECTURAL DRAWINGS AND TRADES PRIOR TO ROUGH IN.
- 4 INSTALL BOTTOM OF LIGHT FIXTURE AT 8'-0" AFF.
- 5 ROUTE BRANCH CIRCUIT IN FLOOR AND STUB UP TO FINAL LOCATION. COORDINATE FINAL LOCATION WITH FOOD SERVICE DRAWINGS AND TRADES.
- 6 MATCH ON-OFF TIMES WITH EXISTING SITE LIGHTING. COORDINATE EXACT TIMES WITH OWNER. CONNECT PHOTO CELL CONTROL TO EXISTING MAIN BUILDING PHOTO CELL WIRING/CONTROL.
- 7 4" HOUSEKEEPING PAD.
- 8 LINE VOLTAGE CLOCK STANDARD ELECTRIC TIME FARADAY 2364 OR OTHER CLOCK COMPATABLE WITH EXISTING SYSTEM. EXTEND WIRING FROM EXISTING CLOCK HEAD END SYSTEM AS REQUIRED.

5	BULLETIN NO.2	04/15/25
2	STATE REVIEW SET	12/20/23
1	ADDENDUM #3	09/29/23
NO.	REVISION	DATE

STATE OF MICHIGAN  
DEPARTMENT OF TECHNOLOGY, MANAGEMENT AND BUDGET  
FACILITIES AND BUSINESS SERVICES ADMINISTRATION  
DESIGN AND CONSTRUCTION DIVISION  
ADAM LACH RA, DIRECTOR

FILE NO.  
491/20167.SDW

FUNDING CODE  
171CODHHS7255 CONTRACT NO.  
Y22003



KEY PLAN  
NOT TO SCALE

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PROJECT TITLE  
491/20167.SDW - PHASE 500:  
CENTER FOR FORENSIC  
PSYCHIATRY - CREATE  
KITCHEN  
SALINE, MICHIGAN

SHEET TITLE  
ELECTRICAL ENLARGED  
PLAN

PROJECT NUMBER  
2021094

SHEET NUMBER  
E6.01