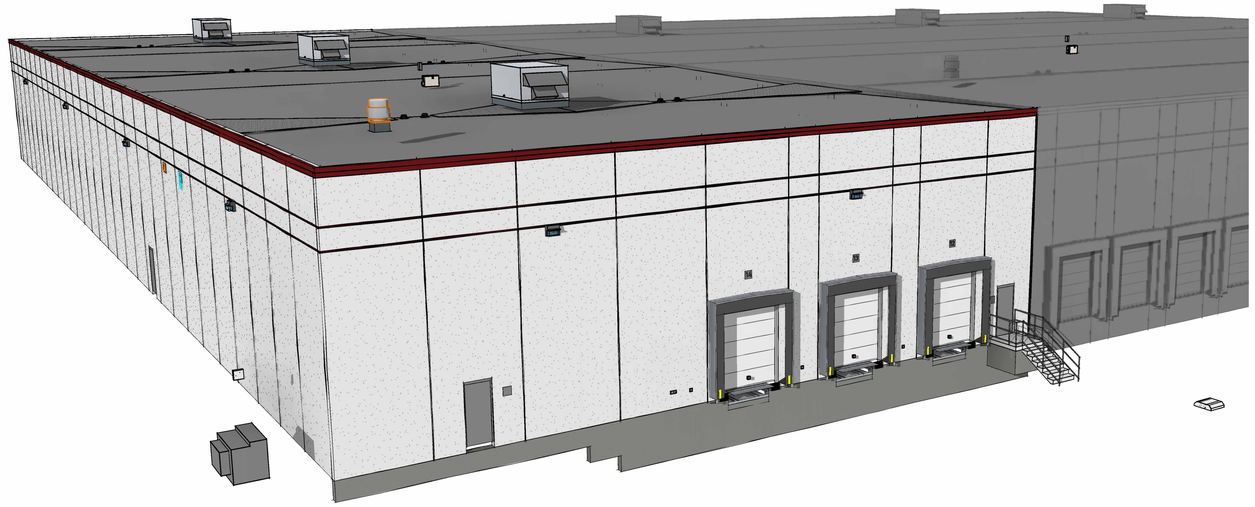
DEPARTMENT OF CORRECTIONS - PLAINFIELD

ICI Warehouse Expansion

727 MOON RD. PLAINFIELD, IN 46168

Project Number: 32011091-2026-003



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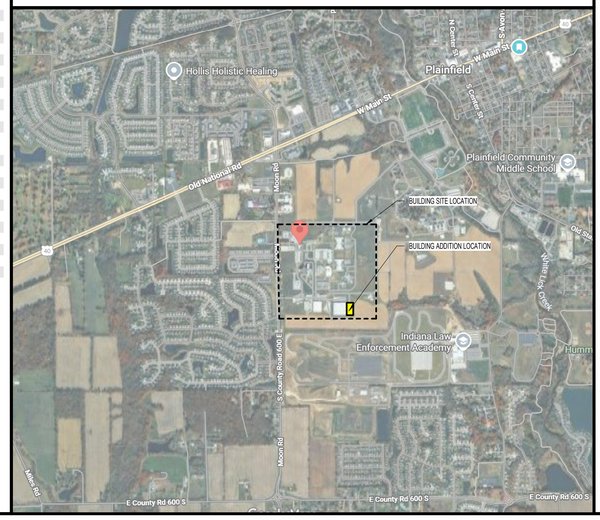
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GENERAL PROJECT NOTES

BUILDER, CONTRACTOR, SUB-CONTRACTOR'S RESPONSIBILITIES: THE TERM WORK AS USED IN CONSTRUCTION DOCUMENTS SHALL INCLUDE ALL PROVISION AS DRAWN OR SPECIFIED IN THESE DOCUMENTS AS WELL AS OTHER PROVISIONS SPECIFICALLY INCLUDED BY THE ARCHITECT IN THE FORM OF DRAWINGS, SPECIFICATIONS, WRITTEN AND OTHER INSTRUCTION ISSUED BY THE ARCHITECT.

1. WHERE REFERENCE IS MADE IN THESE DOCUMENTS TO BUILDER/ SUB-CONTRACTOR, IT SHALL REFER TO BUILDER, GENERAL CONTRACTOR, AND ALL SUB-CONTRACTORS AND THEIR EMPLOYEES.
2. SUB-CONTRACTOR OR BUILDER UNDERSTANDS THAT DRAWINGS GRAPHICALLY DEPICT DESIGN INTENT OF THE PROJECT. LOCATIONS AND DIMENSIONS SHOWN ON DRAWING ARE DIAGRAMMATIC. BUILDER/CONTRACTOR UNDERSTAND THAT DRAWINGS SHOWN THE GENERAL ARRANGEMENT, DESIGN AND EXTENT OF WORK AND ARE NOT INTENDED TO BE SCALED FOR MEASUREMENT OR SERVE AS SHOP DRAWINGS.
3. SUB-CONTRACTOR/BUILDER SHALL PROPERLY FABRICATE, TRANSPORT, INSTALL ERECT, CONSTRUCT AND TEST, FURNISH AND SUPPLY ALL LABOR MATERIALS, EQUIPMENT, APPARATUS, APPLIANCES, AND ALL OTHER ITEMS AND EXPENSES NECESSARY TO PROPERLY COMPLETE THE WORK IN PLACE AND READY FOR OPERATION OR USE AS INTENDED FOR BY THE ARCHITECT.
4. SUB-CONTRACTOR/BUILDER SHALL BE FAMILIAR WITH PROVISION OF ALL APPLICABLE CODES, SHALL ENSURE COMPLIANCE WITH SAME AND SHALL BE RESPONSIBLE FOR AND BE REQUIRED TO DISCOVER, THROUGH EXERCISING CARE, SKILL AND DILIGENCE IN REVIEWING THE CONSTRUCTION DRAWINGS, ANY OMISSION, AND DISCREPANCIES AND SHALL BRING SAME TO THE ATTENTION OF THE ARCHITECT PRIOR TO CONSTRUCTION.
5. BY EXECUTING THE CONTRACT, THE SUB-CONTRACTOR/BUILDER WARRANTS THAT HE SHALL CLOSELY INSPECTED THE SITE AND ITS ENVIRONS, AND HAS DETERMINED TO HIS SATISFACTION THE PHYSICAL CONDITION OF SUCH, FAMILIARIZED HIMSELF WITH THE LOCAL CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED, CORRELATED HIS OBSERVATIONS WITH THE REQUIREMENTS OF THE CONSTRUCTION DRAWINGS, AND KNOWS OF NO OTHER INFORMATION REQUIRED TO COMPLETE THE WORK AS INTENDED FOR BY THE ARCHITECT, AND AS PER LOCAL JURISDICTION REQUIREMENTS.
6. IF ANY ITEM OR MATERIALS IS NOT KNOWN OR OMITTED ON THE DRAWINGS, BUT IS OTHERWISE REASONABLY INFERABLE THEREFROM, THE SUB-CONTRACTOR/ BUILDER SHALL INFORM ARCHITECT, AND BE REQUIRED TO FURNISH AND INSTALL SUCH ITEM OR MATERIAL WHICH CONFORM TO THE TYPE AND QUALITY OF SIMILAR ITEMS OTHERWISE ESTABLISHED IN THE CONSTRUCTION DRAWINGS AND SPECIFICATIONS.
7. WHERE A TYPICAL DETAIL IS SHOWN OR INDICATED ON THE DRAWINGS, THAT CONDITION SHALL BE REPRESENTATIVE OF AND SHALL CONSTITUTE THE STANDARD FOR WORKMANSHIP, MATERIALS, AND PERFORMANCE FOR CONDITIONS AND MATERIALS AND WORKMANSHIP THROUGHOUT CORRESPONDING CONDITION THROUGHOUT THE WORK.
8. THE SUB-CONTRACTOR/BUILDER ARE RESPONSIBLE FOR THOROUGHLY EXAMINING ALL DRAWINGS, SPECIFICATIONS AND APPLICABLE CODES, AS WELL AS MAKING ALL ACTUAL MEASUREMENTS AND ESTABLISHING ALL ACTUAL DIMENSIONS FOR EACH PARTICULAR TYPE OF WORK, AND FOR CO-ORDINATING THE WORK DESCRIBED, AND ALSO RESPONSIBLE FOR DETERMINING THE EXACT SCOPE OF WORK FOR EACH SECTION, AS WELL AS CHECKING CROSS REFERENCES OF WORK, AND ANY WORK EXCLUDED FROM ANY SECTION.
9. NOTHING HEREUNDER SHALL CREATE ANY CONTRACTUAL RELATIONSHIP BETWEEN THE ARCHITECT AND ANY SUB-CONTRACTOR.
10. THESE DOCUMENTS DO NOT INCLUDE THE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY, CARE OF ADJACENT PROPERTIES DURING CONSTRUCTION, COMPLIANCE WITH STATE AND FEDERAL REGULATION REGARDING SAFETY. COMPLIANCE WITH ALL SAFETY REQUIREMENTS SHALL BE THE CONTRACTOR'S RESPONSIBILITY. SUB-CONTRACTOR/BUILDER SHALL SUPERVISE AND DIRECT THE WORK AND BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES AND SAFETY PROCEDURES, AND FOR COORDINATING ALL PORTIONS OF THE WORK.
11. ALL WORK SHALL BE IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.
12. ALL CONTRACTORS SHALL BE LICENSED TO WORK IN STATE OF INDIANA.
13. ALL WORK SHALL COMPLY WITH:
    - BUILDING 2012 INTERNATIONAL BUILDING CODE (IBC)
    - 2014 INDIANA BUILDING CODE
    - FIRE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) LATEST EDITION
    - NFPA 101 LIFE SAFETY CODE LATEST EDITION
    - PLUMBING 2012 INDIANA PLUMBING CODE
    - ELECTRICAL NATIONAL ELECTRIC CODE (NEC) LATEST EDITION
    - MECHANICAL 2014 INDIANA MECHANICAL CODE
    - ENERGY 2010 INDIANA ENERGY CONSERVATION CODE (IECC)
    - ACCESSIBILITY ANSI 117.3 ACCESSIBILITY CODE
    - AMERICANS WITH DISABILITIES ACT 1994
14. ALL DEBRIS SHALL BE RECYCLED OR DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.
15. THE CONSTRUCTION DOCUMENTS CONSIST OF BOTH THE CONSTRUCTION DRAWINGS AND THE PROJECT MANUAL/SPECIFICATIONS TAKEN TOGETHER AS ONE ENTITY. WHERE THERE IS A DISCREPANCY BETWEEN THE DRAWINGS AND SPECIFICATIONS, THE MOST RESTRICTIVE REQUIREMENT SHALL PREVAIL.
16. ANY DISCREPANCIES IN THE CONTRACT DOCUMENTS OF FIELD CONDITIONS SHALL BE REPORTED TO THE ARCHITECT IMMEDIATELY FOR REVIEW PRIOR TO PROCEEDING WITH THE WORK, INCLUDING MANUFACTURING OR INSTALLATION. CONTRACTOR WILL NOT BE COMPENSATED FOR PROCEEDING WITH ANY WORK IN QUESTION.
17. CONTRACTOR SHALL COORDINATE THE WORK WITH ALL DISCIPLINES INCLUDING ARCHITECTURE, CIVIL, STRUCTURAL, MEP, INTERIOR DESIGN, LANDSCAPE DESIGN, AND OTHER CONSULTANTS CONTRACTED BY THE OWNER.
18. THE CONSTRUCTION DOCUMENTS (DRAWINGS AND SPECIFICATIONS) SHOW THE DESIGN INTENT OF THE PROJECT, AND ARE NOT INTENDED TO DENOTE EVERY INSTANCE OR CONDITION THAT MAY BE REQUIRED FOR THE COMPLETE CONSTRUCTION OF THE PROJECT.
19. CONTRACTOR SHALL PROVIDE SEALANT AT ALL DISSIMILAR MATERIALS (INTERIOR AND EXTERIOR) INCLUDING VINYL WALL COVERING, VANITY BACKSPLASH/SIDESPLASH, PARTITIONS, WEATHER RESISTIVE BARRIER, AND EXTERIOR SHEATHING.
20. TAPE AND SEAL ALL PENETRATIONS AT WEATHER RESISTIVE BARRIER TO PROVIDE A SINGLE CONTIGUOUS VAPOR PERMEABLE AIR BARRIER/DRAINAGE MEMBRANE.
21. ALL PENETRATIONS SHALL BE FIRESTOPPED TO MATCH FIRE RATING OF ENTITY PENETRATED (FLOOR, WALL AND CEILING) PER UL ASSEMBLY AND AS REQUIRED PER CODE.
22. ALL PENETRATIONS, WALL, AND CEILING INTERSECTIONS SHALL BE SEALED WITH ACOUSTIC SEALANT.
23. ALL ELECTRIC BOXES IN EXTERIOR WALLS SHALL BE SEALED WEATHERPROOF BOXES.
24. FIRE SPRINKLER SHALL BE DESIGNED / BUILD. FIRE SPRINKLER CONTRACTOR TO PROVIDE SIGNED AND SEALED DRAWINGS/CALCULATIONS BY PROFESSIONAL ENGINEER LICENSED IN STATE OF PROJECT LOCATION.

Project Number: 32011091-2026-003

ICI Warehouse Expansion

Project Issued: 04/10/2026

100% CONSTRUCTION DOCUMENTS

CODE SUMMARY

APPLICABLE CODES	675 IAC	2014 Indiana Building Code (675 IAC 13-2.5) 2014 Indiana Mechanical Code (675 IAC 16-2) 2014 Indiana Fire Code 2014 Indiana Plumbing Code (675 IAC 16-2) 2014 National Electrical Code (NFPA 70) 2012 International Energy Conservation Code (675 IAC 19) NFPA 13 - Standard for the Installation of Sprinkler Systems NFPA 72 - National Fire Alarm and Signaling Code	
PROJECT SCOPE	Section 3403	Existing single-story warehouse with new addition of approximately 25,000 SF. Total building area approximately 114,564 SF. Type II-B construction, fully sprinklered per NFPA 13. Rack storage exceeding 12 feet in height. 60-foot open perimeter on all sides. No hazardous materials storage.	
OCCUPANCY TYPE			
Primary Occupancy	Section 311.2	S-2 (Storage, Low-Hazard) - Warehouse storage. No hazardous materials.	**S-2**
Accessory Occupancy #1	Section 304.1	B (Business) - Office areas. 7,586 SF = 6.22% of total area. Does not exceed 10% threshold per Section 508.2.	**B**
Accessory Occupancy #2	Section 303.1	A-2 (Assembly) - Worker Intake / Dining area. 2,268 SF = 1.98% of total area. Does not exceed 10% threshold per Section 508.2.	**A-2**
Accessory Occupancy Strategy	Section 508.2	Accessory occupancies (B + A-2) combined = 9,854 SF (8.60% of total). Neither individually nor collectively exceeds 10%. Accessory occupancy provisions apply per Section 508.2.	
CODE STRATEGY	Section 507	Unlimited Area Building: S-2, Type II-B construction, 1-story, fully sprinklered per NFPA 13, with 60-ft open perimeter on all sides. Per Section 507.3 - Group S-2 storage, Type II-B, 1-story, auto sprinkler system per 903.3.1.1, surrounded on all sides by open space of not less than 60 feet.	
Construction Type	Section 602.2	Type II-B (Noncombustible, Unprotected). Building elements are of noncombustible materials with no fire-resistance rating required.	**Type II-B**
AREA COMPLIANCE			
Allowable Area (Table 503)	Table 503	S-2, Type II-B: Tabular allowable area = 13,500 SF per story	**13,500 SF**
Unlimited Area Provision	Section 507.3	S-2 storage occupancy, 1-story, Type II-B, auto sprinkler per 903.3.1.1, 60-ft open perimeter. UNLIMITED AREA PERMITTED.	**UNLIMITED**
Actual Building Area	Plans	Total building area including existing warehouse and new addition.	**114,564 SF**
S-2 Storage Area	Plans	Warehouse storage area = 91.8% of total building area	104,710 SF
B Business Area	Plans	Office areas = 6.22% of total building area	7,586 SF
A-2 Assembly Area	Plans	Worker Intake / Dining = 1.98% of total building area	2,268 SF
HEIGHT COMPLIANCE			
Allowable Height (Table 503)	Table 503	S-2, Type II-B: 55 feet / 2 stories. Section 507 unlimited area = 1 story.	**55 FT / 1 STY**
Actual Building Height	Plans	Single story warehouse. Verify actual height with construction documents.	**1 STORY**
TYPE II-B FIRE-RESISTANCE RATINGS			
Primary Structural Frame	Table 601	Type II-B: No fire-resistance rating required	**0 HOURS**
Bearing Walls - Exterior	Table 601	Type II-B: No fire-resistance rating required	**0 HOURS**
Bearing Walls - Interior	Table 601	Type II-B: No fire-resistance rating required	**0 HOURS**
Nonbearing Walls - Exterior	Table 602	Rating based on fire separation distance per Table 602. Verify with plans.	**VERIFY**
Nonbearing Walls - Interior	Table 601	Type II-B: No fire-resistance rating required	**0 HOURS**
Floor Construction	Table 601	Type II-B: No fire-resistance rating required	**0 HOURS**
Roof Construction	Table 601	Type II-B: No fire-resistance rating required	**0 HOURS**
FIRE & LIFE SAFETY SYSTEMS			
Automatic Sprinkler System	Section 903.3.1.1	NFPA 13 system required throughout. Required for unlimited area building per Section 507.3. Building is fully sprinklered.	**REQUIRED**
Rack Storage Sprinkler Protection	Section 903.3.1.1 / NFPA 13	Rack storage exceeding 12 feet in height requires in-rack sprinkler protection per NFPA 13. Verify design with fire protection engineer.	**REQUIRED**
Fire Alarm System	Section 907	Manual fire alarm system not required in S-2 with automatic sprinkler system per 907.2.14 Exception. Automatic fire alarm per NFPA 72 for sprinkler monitoring.	**SEE NOTES**
Fire Alarm - A-2 Area	Section 907.2.1	A-2 occupancy with occupant load >100 requires manual fire alarm per 907.2.1. Worker Intake area = 152 OCC. However, entire building sprinklered.	**VERIFY**
Fire Department Connection	NFPA 13	Fire department connection required per NFPA 13 for sprinkler system.	**REQUIRED**
Portable Fire Extinguishers	Section 906	Portable fire extinguishers required per Section 906.1 and NFPA 10.	**REQUIRED**
Standpipe System	Section 905	Not required for single story building per Section 905.	**NOT REQ'D**
Fire Dampers	Section 717	Type II-B: No rated assemblies requiring fire dampers. Not required unless fire-rated penetrations exist.	**NOT REQ'D**
Smoke & Heat Venting	Section 910	S-2 with storage >2,500 SF: Smoke/heat vents or mechanical smoke exhaust per Section 910.2. Required for Group S storage buildings >2,500 SF.	**VERIFY**
INTERIOR FINISHES			
Wall & Ceiling Finish - Exits	Table 803.9	Sprinklered S-2: Class C interior wall and ceiling finish in exits and exit passageways.	**CLASS C**
Wall & Ceiling Finish - Corridors	Table 803.9	Sprinklered S-2: Class C interior wall and ceiling finish in corridors.	**CLASS C**
Wall & Ceiling Finish - Other	Table 803.9	Sprinklered S-2: Class C interior wall and ceiling finish in rooms and enclosed spaces.	**CLASS C**
Floor Finish	Section 804	No floor finish requirements for S-2 occupancy.	**N/A**
EGRESS ANALYSIS			
OCCUPANT LOAD CALCULATIONS			
S-2 Warehouse	Table 1004.1.2	104,710 SF / 500 SF per OCC (Storage areas, warehouse) = 210 OCC. Floor plan shows 213 OCC (using 100 SF/OCC per plan).	**213 OCC**
B Business - Offices	Table 1004.1.2	Office areas per plan. Occupant load factor varies: 100 gross SF/OCC or 50 SF/OCC concentrated. Per plans = 97 OCC.	**97 OCC**
A-2 Assembly - Dining	Table 1004.1.2	Worker Intake/Dining area. 2,268 SF / 15 SF per OCC (Unconcentrated, tables and chairs) = 151 OCC. Per plans = 152 OCC.	**152 OCC**
TOTAL OCCUPANT LOAD		**213 + 97 + 152 = 462 total occupants**	**462 OCC**
NUMBER OF EXITS			
S-2 Warehouse Area	Table 1006.2.1	OCC 1-500: Minimum 2 exits required. OCC > 500: Minimum 3. 213 OCC = 2 exits minimum.	**2 MIN**
B Office Area	Table 1006.2.1	97 OCC = 2 exits minimum.	**2 MIN**
A-2 Assembly Area	Table 1006.2.1	152 OCC = 2 exits minimum.	**2 MIN**
EGRESS WIDTH			
Egress Width Factor - Doors	Section 1005.1	Sprinklered: 0.15 inches per occupant for stairways; 0.2 inches per occupant for other egress components.	**0.2 IN/OCC**
Total Required Egress Width	Section 1005.1	462 OCC x 0.2 in/OCC = 92.4 inches = 7'-8.4" total required egress width.	**92.4 IN**
TRAVEL DISTANCE			
S-2 - Max Travel Distance	Table 1017.2	S-2 Sprinklered: 400 LF max travel distance. Actual per plans: 346'-6".	**346'-6" / 400'**
B - Max Travel Distance	Table 1017.2	B Sprinklered: 300 LF max travel distance. Actual per plans: 134'-4".	**134'-4" / 300'**
A-2 - Max Travel Distance	Table 1017.2	A-2 Sprinklered: 250 LF max travel distance. Verify actual travel distance per plans.	**VERIFY / 25(**

COMMON PATH OF EGRESS TRAVEL			
S-2 Common Path	Table 1006.2.1	S-2 Sprinklered: 100 feet common path of egress travel.	**100 FT MAX**
B Common Path	Table 1006.2.1	B Sprinklered: 100 feet common path of egress travel.	**100 FT MAX**
A-2 Common Path	Table 1006.2.1	A-2 Sprinklered: 75 feet common path of egress travel.	**75 FT MAX**
DEAD END CORRIDORS			
Dead End Limit	Section 1020.4	Sprinklered: 50 feet maximum dead-end corridor length. Verify per plans.	**50 FT MAX**
CORRIDOR WIDTH			
Minimum Corridor Width	Section 1018.2	Minimum 44 inches for OCC > 50 in spaces served. Per plans: 5'-0" from face of studs minimum.	**44" MIN / 60" PROVIDED**
EXIT SEPARATION			
Exit Separation Distance	Section 1007.1.1	Sprinklered: 1/3 maximum diagonal distance of floor area served. Verify per plans.	**1/3 DIAGONAL**
EXIT SIGNAGE & EMERGENCY LIGHTING			
Exit Signs	Section 1013	Exit signs required at all exits and exit access doorways. Illuminated per Section 1013.3.	**REQUIRED**
Emergency Lighting	Section 1008	Emergency lighting required in S-2 buildings per Section 1008.1 in aisles, corridors, and exit access. 90-minute duration.	**REQUIRED**
ACCESSIBILITY			
Accessibility Requirements	Chapter 11	ICC A117.1 compliance required. Accessible route to all areas of public use and common use. Employee work areas per Section 1103.2.3.	**REQUIRED**
Accessible Entrance	Section 1105	At least 60% of all public entrances shall be accessible. Minimum one accessible entrance required.	**REQUIRED**
Accessible Route	Section 1104	Accessible route from site arrival point to accessible building entrance required.	**REQUIRED**
Accessible Parking	Section 1106	Accessible parking spaces per Table 1106.1 based on total parking provided. Van accessible space(s) required.	**REQUIRED**
Accessible Toilet Rooms	Section 1109.2	Each toilet room shall be accessible and comply with ICC A117.1.	**REQUIRED**
Employee Work Areas	Section 1103.2.3	Employee work areas: common use circulation paths within employee work areas shall be accessible. Individual work stations not required to be accessible.	**REQUIRED**
PLUMBING REQUIREMENTS			
WATER CLOSETS			
S-2 Storage (213 OCC)	Table 2902.1	1 per 100 OCC. 213/2 = 107 per sex. Male: 107/100 = 2 WC. Female: 107/100 = 2 WC.	**2M / 2F**
B Business (97 OCC)	Table 2902.1	1 per 25 first 50, 1 per 50 remainder. 97/2 = 49 per sex. Male: 49/25 = 2. Female: 49/25 = 2.	**2M / 2F**
A-2 Assembly (152 OCC)	Table 2902.1	1 per 40 OCC. 152/2 = 76 per sex. Male: 76/40 = 2. Female: 76/40 = 2.	**2M / 2F**
TOTAL WATER CLOSETS REQ'D		Total required: Male = 6 WC, Female = 6 WC. Urinals may substitute up to 67% of male WC per IPC.	**6M / 6F**
	2902.1.1, EX. 1	Total occupant load not required to be divided in half where approved statistical data indicates a distribution of the sexes other than 50 percent of each sex.	
LAVATORIES			
S-2 Storage (213 OCC)	Table 2902.1	1 per 100 OCC. 213/2 = 107 per sex. 107/100 = 2 per sex.	**2M / 2F**
B Business (97 OCC)	Table 2902.1	1 per 40 first 80, 1 per 80 thereafter. 97/2 = 49. 49/40 = 2 per sex.	**2M / 2F**
A-2 Assembly (152 OCC)	Table 2902.1	1 per 75 OCC. 152/2 = 76 per sex. 76/75 = 2 per sex.	**2M / 2F**
TOTAL LAVATORIES REQ'D		Total required: Male = 6 LAV, Female = 6 LAV.	**6M / 6F**
	2902.1.1, EX. 1	Total occupant load not required to be divided in half where approved statistical data indicates a distribution of the sexes other than 50 percent of each sex.	
DRINKING FOUNTAINS			
S-2 Storage (213 OCC)	Table 2902.1	1 per 1,000 OCC. 213/1000 = 1 DF. (Hi-Lo required per accessibility)	**1 DF**
B Business (97 OCC)	Table 2902.1	1 per 100 OCC. 97/100 = 1 DF.	**1 DF**
A-2 Assembly (152 OCC)	Table 2902.1	1 per 500 OCC. 152/500 = 1 DF.	**1 DF**
TOTAL DRINKING FOUNTAINS		Total required: 3 DF minimum. Hi-Lo units per ICC A117.1.	**3 DF MIN**
SERVICE SINKS			
Service Sink	Table 2902.1	Minimum 1 service sink required per building.	**1 MIN**
TOILET FACILITY TRAVEL DISTANCE			
Max Travel to Toilet	Section 2902.3.2	Warehouse exception: Maximum 1,000 feet travel distance to employee toilet facilities (not 500 feet standard). Travel path shall not pass through kitchens, storage rooms, or closets.	**1,000 FT MAX**
ELEVATOR			
Elevator	Chapter 30	No elevator in this project. Single-story building. Chapter 30 does not apply.	**N/A**
STRUCTURAL REQUIREMENTS			
Live Load - Warehouse Floor	Table 1607.1	S-2 Storage (heavy): 250 PSF. S-2 Storage (light): 125 PSF. Verify design loads with structural engineer.	**125-250 PSF**
Roof Live Load	Table 1607.1	Minimum 20 PSF roof live load (ordinary flat roof). Verify per structural.	**20 PSF MIN**
Wind Loads	Section 1609	Design per ASCE 7-10. Basic wind speed per Figure 1609A. Verify for Indiana location.	**VERIFY**
Seismic Design	Section 1613	Seismic design per ASCE 7-10. Determine Seismic Design Category based on site class and mapped spectral accelerations.	**VERIFY**
Foundation/Soils	Chapter 18	Geotechnical investigation required per Section 1802.2. Foundation design based on soil bearing capacity.	**REQUIRED**
Concrete Slab on Grade	Section 1907.1	Minimum 3.5 inches thick with 6-mil vapor retarder. Warehouse slab must support rack storage loads.	**3.5" MIN**
Rack Storage Structure	Section 2209 / NFPA 13	Rack storage exceeding 12 feet. Structural design per Chapter 16. Foundation design for concentrated rack loads. Seismic bracing per ASCE 7.	**REQUIRED**
EXISTING BUILDING PROVISIONS			
Addition Requirements	Section 3403	Addition must comply with new construction requirements. Combined existing + addition must meet Chapter 5 height/area. Unlimited area provisions apply to combined building.	**REQUIRED**
Structural - Gravity Loads	Section 3404.3	Existing gravity-load elements with >5% increase in design gravity load shall be strengthened per new construction requirements.	**VERIFY**
Structural - Lateral Loads	Section 3404.4	If addition increases lateral loads or creates structural irregularity, existing building must meet Sections 1609 and 1613.	**VERIFY**
Accessibility - Addition	Section 3411.5	Addition must comply with new construction accessibility provisions. If affecting primary function area, accessible route to toilet facilities required.	**REQUIRED**
ENERGY CODE			
Energy Code Compliance	675 IAC 19	2012 IECC compliance required. Building envelope, mechanical, lighting, and electrical power per commercial energy provisions.	**REQUIRED**
Building Envelope	IECC Ch 4/5	Insulation, fenestration, air barriers per climate zone. Indiana Climate Zone 4A or 5A depending on location. Verify.	**VERIFY**

SPECIAL PROVISIONS			
Foam Plastic Insulation	Section 2603	If used: Flame spread index max 75, smoke-developed index max 450. Thermal barrier exceptions for 1-story per Section 2603.4.1.4.	**IF APPLICABLE**
Light-Transmitting Plastic	Section 2607	If wall panels or skylights used: Per Sections 2607-2610. Sprinklered building allows 100% increase in area limitations.	**IF APPLICABLE**
High-Piled Storage	IFC Chapter 32	Rack storage exceeding 12 feet triggers IFC Chapter 32 high-piled combustible storage requirements. Commodity classification required. Verify with fire protection engineer and AHJ.	**REQUIRED**
Exterior Wall Coverings	Chapter 14	Exterior walls per Chapter 14. Weather-resistive barrier required per Section 1403.2.	**REQUIRED**
Roof Assemblies	Chapter 15	Roof coverings per Chapter 15. Fire classification per Section 1505. Drainage per Section 1503.	**REQUIRED**

STUDIO VIEW ARCHITECTURE

ERIC S. WEFLEN REGISTERED No. AR11500136 STATE OF INDIANA ARCHITECT

Design Partners:

100% CONSTRUCTION DOCUMENTS

DEPARTMENT OF CORRECTIONS - PLAINFIELD

ICI WAREHOUSE EXPANSION

727 MOON RD. PLAINFIELD, IN 46168

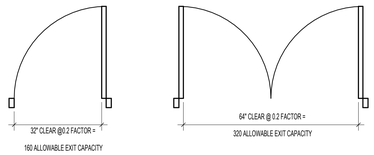
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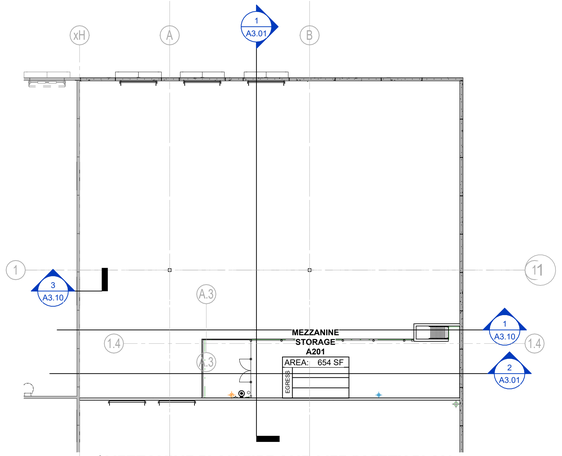
Project #: 32011091-2026-003
Designed By: Designer
Drawn By: Author
Checked By: Checker
DATE: 4/10/2026 2:57:23 PM

FIRE AND LIFE SAFETY CODE SUMMARY

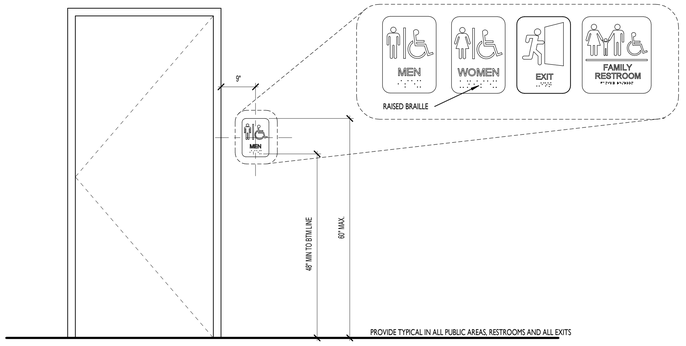
G1.00



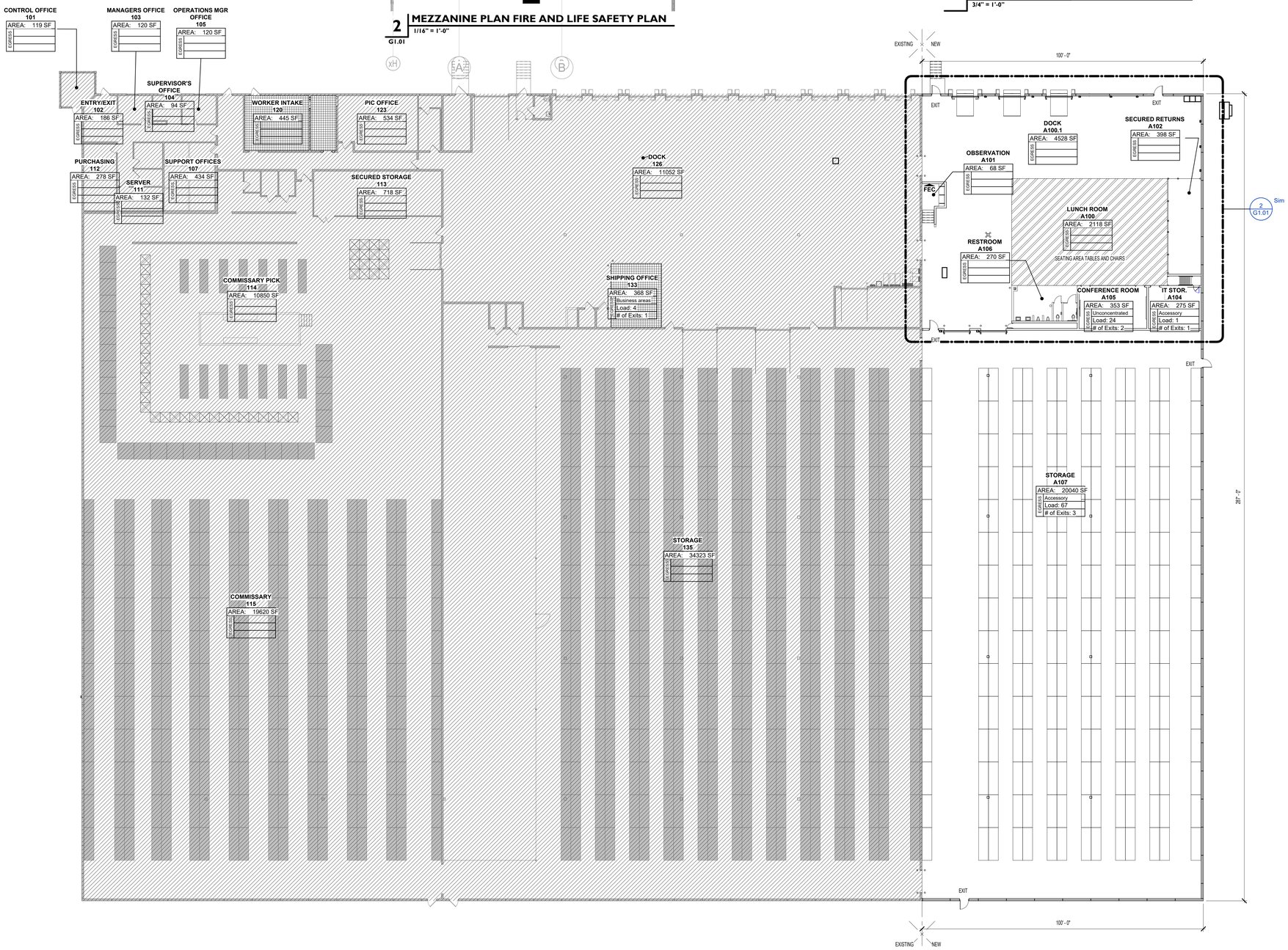
3 AR_061100_1A TYP. DOOR CLEARANCE DETAIL
1/2" = 1'-0"
G1.01



2 MEZZANINE PLAN FIRE AND LIFE SAFETY PLAN
1/16" = 1'-0"
G1.01



INTERIOR SIGNAGE
3/4" = 1'-0"



1 FIRST FLOOR FIRE AND LIFE SAFETY PLAN
1/16" = 1'-0"
G1.01

LIFE SAFETY PLAN LEGEND

Room name 101 / AREA: 150 SF / Occupancy / Load: ## / # of Exits: #	EGRESS INFORMATION TAG
A	ANNUNCIATOR PANEL
FEC	FIRE EXTINGUISHER
	NON-RATED INCIDENTAL-USE WALL [508.2.2.1]
	1-HOUR FB RATED WALL (1-HR FB) [IBC 707]
	2-HOUR FB RATED WALL (2-HR FB) [IBC 707]
I.S.	INTERIOR ADA AND BRAILLE SIGNAGE

STUDIO VIEW ARCHITECTURE
ERIC S. WEFLEN REGISTERED No. AR11500136 STATE OF INDIANA ARCHITECT
Design Partners:

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DEPARTMENT OF CORRECTIONS - PLAINFIELD
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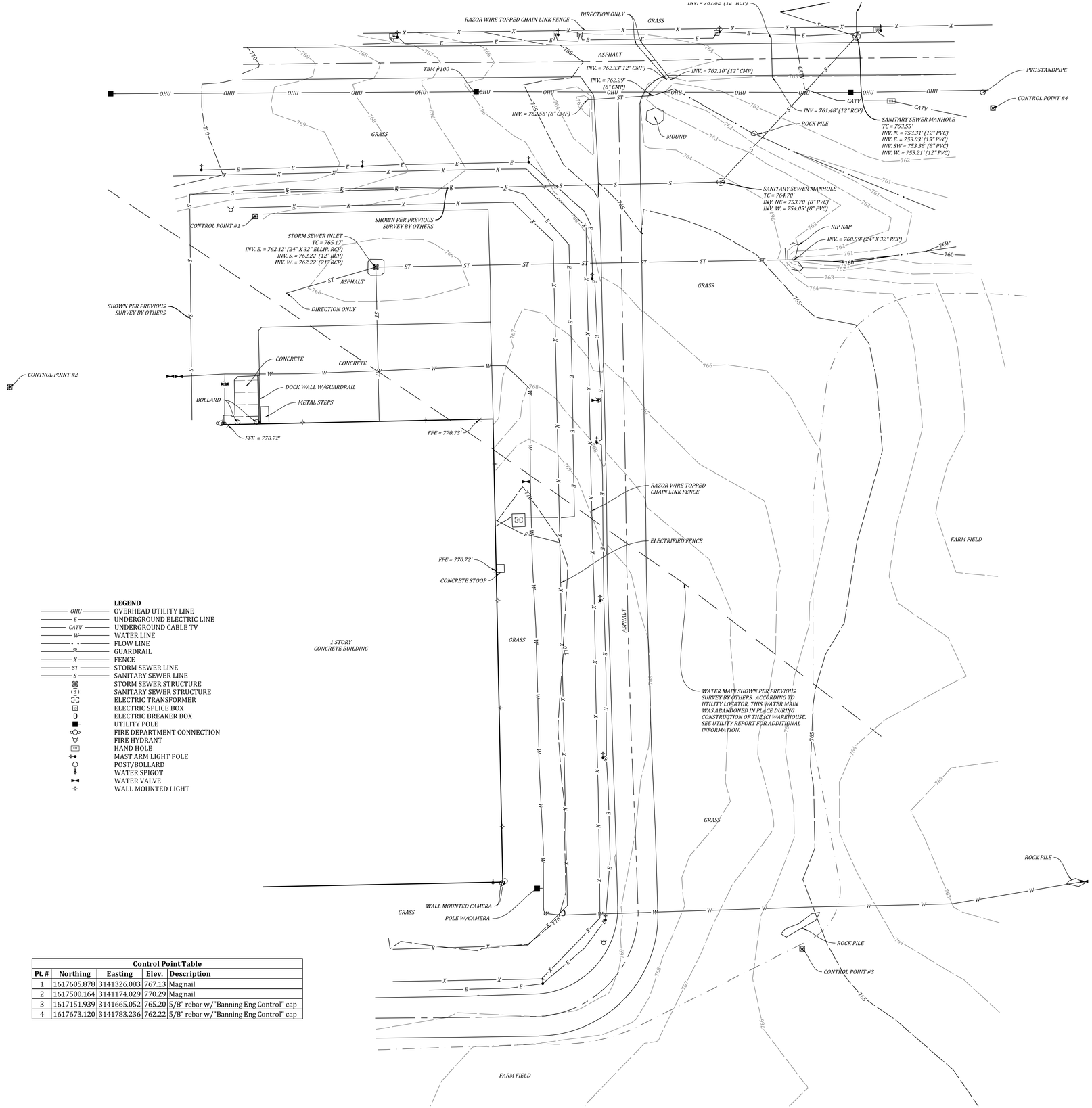
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Designed By: Designer
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FIRST FLOOR FIRE AND LIFE SAFETY PLAN

G1.01



LEGEND

- OHU — OVERHEAD UTILITY LINE
- E — UNDERGROUND ELECTRIC LINE
- CATV — UNDERGROUND CABLE TV
- W — WATER LINE
- FLOW LINE
- GUARDRAIL
- X — FENCE
- ST — STORM SEWER LINE
- S — SANITARY SEWER LINE
- STORM SEWER STRUCTURE
- SANITARY SEWER STRUCTURE
- ELECTRIC TRANSFORMER
- ELECTRIC SPLICE BOX
- ELECTRIC BREAKER BOX
- UTILITY POLE
- FIRE DEPARTMENT CONNECTION
- FIRE HYDRANT
- HAND HOLE
- MAST ARM LIGHT POLE
- POST/BOLLARD
- WATER SPIGOT
- WATER VALVE
- WALL MOUNTED LIGHT

Control Point Table

Pt. #	Northing	Easting	Elev.	Description
1	1617605.878	3141326.083	767.13	Mag nail
2	1617500.164	3141174.029	770.29	Mag nail
3	1617151.939	3141665.052	765.20	5/8" rebar w/"Banning Eng Control" cap
4	1617673.120	3141783.236	762.22	5/8" rebar w/"Banning Eng Control" cap

0 30' 60'

Project Benchmark
The elevations shown hereon were derived from GPS observation using NAVD 88 Datum from the VRS (Virtual Reference Station) Control Network established by Seiler Company. The elevations were established for this network by continuously streaming data through fixed reference stations ((CORS)-Continuously Operating Reference Station) distributed throughout the network area to a central server running Trimble GPSNet and RTKNet software. Through previous survey work, the elevations derived from GPS observations are relatively accurate to published benchmarks (usually within +/-0.2 feet). Control point 1 was used as the benchmark and levels were ran through the temporary benchmarks shown below.
C.P. #1 Elev = 767.13' (NAVD 88)

Site Benchmark
TBM #1
Railroad spike 1 foot above grade in south face of power pole located about 53.7 feet northwest of light pole (#HDI 1612) at the northeast corner of a chain link fence, 82.8 feet northeast of light pole #HDI 1611, 59.3 feet southeast of light pole #111 639 and about 205 feet north of and in line with the east line of the existing ICI warehouse.
Elev. = 767.19' (NAVD 88)

Notes:
Per 865 IAC 1-12-12 this drawing is not intended to be represented as a retracement or original boundary survey, a route survey, or a Surveyor Location Report.

The horizontal data shown on this exhibit is based upon standard radial survey techniques and by global positioning equipment, utilizing the VRS Network, a real-time kinematic (RTK) correction service over the internet. The coordinate values shown are in Indiana State Plane West Zone on the 1983 North American Datum.

All bearings, distances and coordinates are referenced to the Indiana State Plane West Zone (NAD 83) Coordinate System. The Combined Scale Factor for this project is 1.000000. Distances shown hereon are GRID distances (US survey feet).

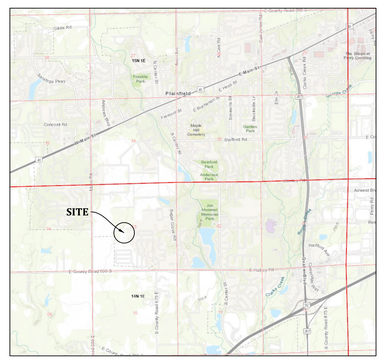
The topographic information shown hereon was obtained in the field during July 2025. The topographic data was gathered using a robotic total station and data collector applying standard radial surveying techniques and by global positioning equipment, utilizing the VRS Network, a real-time kinematic (RTK) correction service over the internet.

Elevations on hard surfaces or structures are accurate to within 0.05 feet, elevations on natural surfaces are accurate to within 0.15 feet. The contours shown hereon were plotted based upon interpolation of spot elevations and other topographic information and are accurate to within one half of the contour interval.

This survey reflects above ground indications of utilities and information available from utility companies. The surveyor makes no guarantee that the underground utilities shown comprise all such utilities in the area, either in service or abandoned. The surveyor further does not warrant that the underground utilities shown are in the exact location indicated, although they are located as accurately as possible from the information available. The surveyor has not physically located the underground utilities.

Underground utilities shown per private utility locates provided internally via Banning Engineering's Utilities Coordinator.

FLOOD STATEMENT
The surveyed property appears to be located in Zone "X" (areas determined to be outside the 0.2% annual chance floodplain) per the Flood Insurance Rate Map (FIRM) for Hendricks County, Indiana, community panels 180063C0258D and 180063C0266D, dated Septmeber 25, 2009, Federal Emergency Management Agency, National Flood Insurance Program. Per said FIRM, this parcel does not lie within the boundary of a Special Flood Hazard Area. The accuracy of any flood hazard statement is subject to map scale uncertainty.



VICINITY MAP

Rev.	Sym.	Date
Revisions		

Crew: NM
Drawn: DM
Checked: BR
Scale: 1" = 30'
Date: 7-19-25

TOPOGRAPHIC SURVEY

PREPARED FOR: STUDIO VIEW ARCHITECTURE

PART OF SE. OF SEC. 3-T14N-R1E

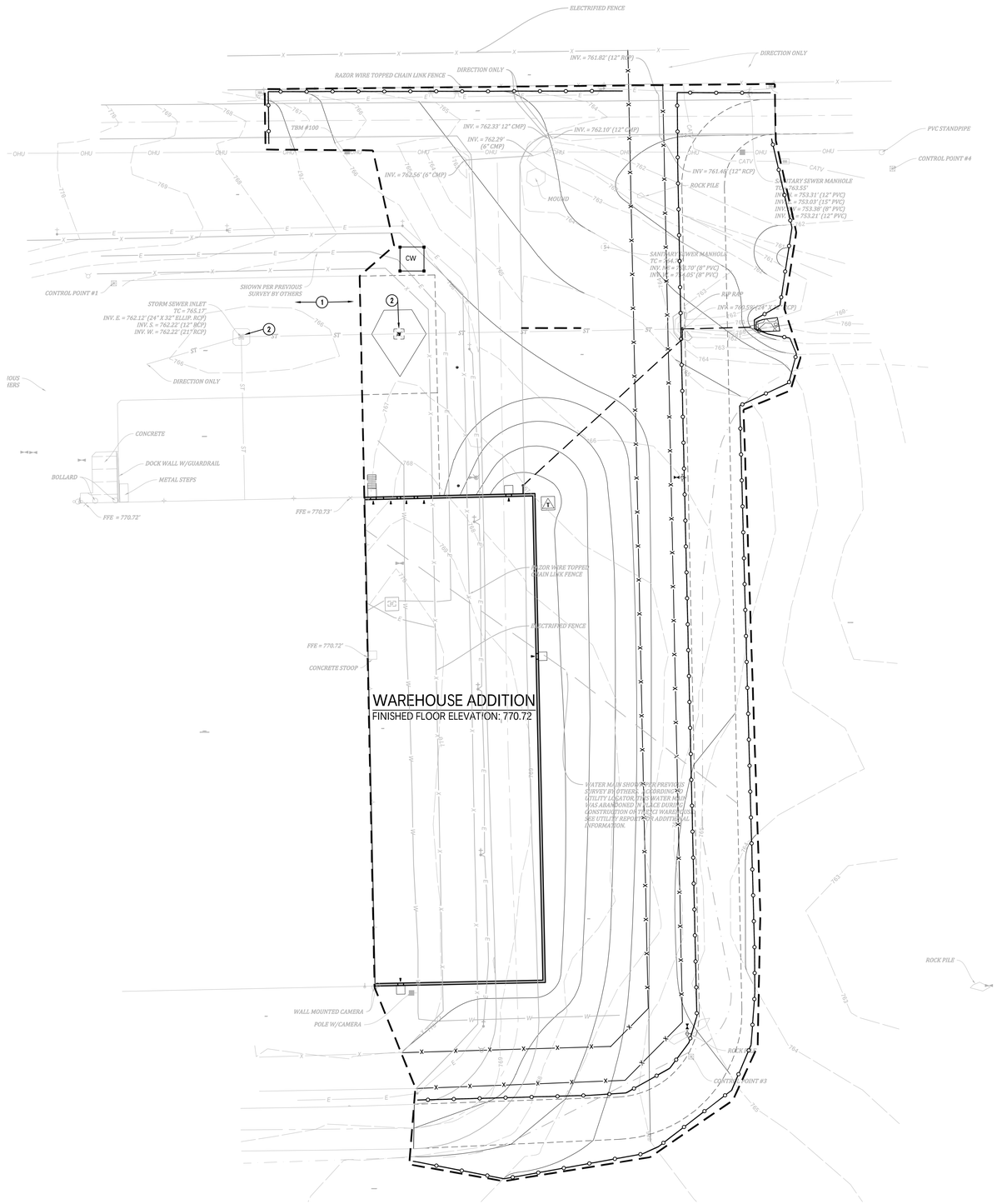
PLAINFIELD, INDIANA

BANNING ENGINEERING
853 COLUMBIA ROAD, SUITE #101
PLAINFIELD, IN 46168
BUS: (317) 707-3700 FAX: (317) 707-3800
E-MAIL: Banning@BanningEngineering.com
WEB: www.BanningEngineering.com

Project No: 25164

Sheet No: 1OF1

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GENERAL NOTES

A. TEMPORARILY SEED ALL DISTURBED AREA.
B. REFER TO LANDSCAPE SHEETS FOR AREAS OF PERMANENT SEEDING AND/OR SOD.
C. REFER TO STORMWATER POLLUTION PREVENTION NOTES AND DETAIL SHEETS.
D. ADDITIONAL EROSION CONTROL AND SEDIMENT CONTROL MEASURES MAY BE REQUIRED BY THE INSPECTOR.
E. PUBLIC AND PRIVATE ROADWAYS SHALL BE KEPT CLEARED OF ACCUMULATED SEDIMENT. BULK CLEARING OF ACCUMULATED SEDIMENT SHALL NOT INCLUDE FLUSHING THE AREA WITH WATER. PROJECTS SUBJECT TO IDEM'S CSGP SHALL REMOVE SEDIMENT FROM PUBLIC RIGHT-OF-WAY NOT EXCLUSIVE OF CONSTRUCTION TRAFFIC AT THE END OF EACH DAY PER THE CSGP REQUIREMENTS.
F. SEEDING OR EROSION CONTROL STABILIZATION SHALL BE INITIATED BY THE END OF THE SEVENTH (7th) DAY THAT AN AREA WAS LEFT IDLE. STABILIZATION MUST BE COMPLETED WITHIN FOURTEEN (14) DAYS AFTER INITIATION.

○ PLAN NOTES

1. CONSTRUCTION ENTRANCE. UTILIZE EXISTING PAVEMENT.
2. BASKET INLET PROTECTION.

PLAN SYMBOLS

- CW — CONCRETE WASHOUT AREA
- RIP-RAP PIPE APRON
- SILT FENCE
- PROPOSED STORM SEWERS
- CONSTRUCTION/GRADING LIMITS
- PROPOSED CONTOURS
- PROPOSED IMPROVEMENTS

0 30 60 FEET
SCALE: 1"=30'

STUDIO VIEW ARCHITECTURE

NICHOLAS BIJAN VIZCAINO REGISTERED No. PE11500269 STATE OF INDIANA PROFESSIONAL ENGINEER

Nicholas Bijan Vizcaino

Design Partners:

JPS CONSULTING ENGINEERS

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727 MOON RD. PLAINFIELD, IN 46168

#	Revision	Date

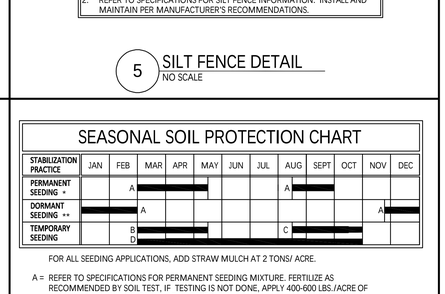
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Drawn By: NBV
Checked By: NBV
DATE: 04/07/2026

STORMWATER POLLUTION PREVENTION PLAN

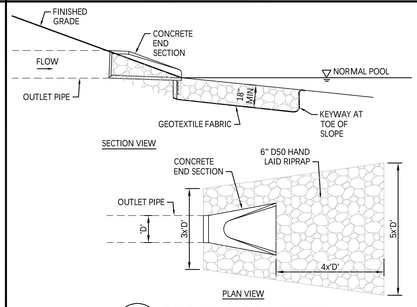
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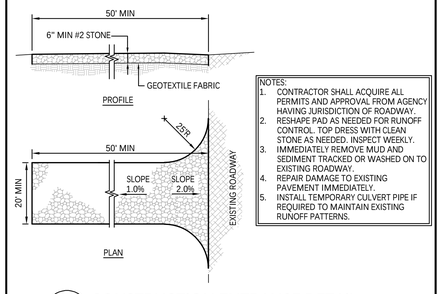


NOTES:
1. OPTIONAL: ELEVATED DRAINAGE PAD MATERIALS: INDOT CA NO. 8 AGGREGATE, WOOD MULCH STRAW BALES, OR WOOD PALLETS (ALL FREE OF SHARP OBJECTS).
2. THE ILLUSTRATIONS IN THIS EXHIBIT ARE NOT INTENDED TO SERVE AS CONSTRUCTION DRAWINGS. THE DIAGRAMS/DRAWINGS ARE TO BE USED TO COMMUNICATED THE CONCEPTS FOR IMPLEMENTATION OF THIS CONTROL MEASURE.

6 DEWATERING BAG
NO SCALE

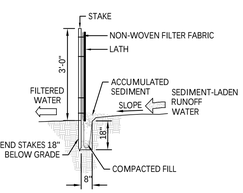


4 RIPRAP APRON DETAIL
NO SCALE



NOTES:
1. CONTRACTOR SHALL ACQUIRE ALL PERMITS AND APPROVAL FROM AGENCY HAVING JURISDICTION OF ROADWAY.
2. RESHAPE PAD AS NEEDED FOR RUNOFF CONTROL. TOP DRESS WITH CLEAN STONE AS NEEDED. INSPECT WEEKLY.
3. IMMEDIATELY REMOVE MUD AND SEDIMENT TRACKED OR WASHED ON TO EXISTING ROADWAY.
4. REPAIR DAMAGE TO EXISTING PAVEMENT IMMEDIATELY.
5. INSTALL TEMPORARY CULVERT PIPE IF REQUIRED TO MAINTAIN EXISTING RUNOFF PATTERNS.

3 CONSTRUCTION ENTRANCE DETAIL
NO SCALE



NOTES:
1. INSTALL TEMPORARY AND PERMANENT SEDIMENT AND EROSION CONTROL PRACTICES PRIOR TO COMMENCING LAND DISTURBING ACTIVITIES.
2. REFER TO SPECIFICATIONS FOR SILT FENCE INFORMATION. INSTALL AND MAINTAIN PER MANUFACTURER'S RECOMMENDATIONS.

5 SILT FENCE DETAIL
NO SCALE

SEASONAL SOIL PROTECTION CHART

STABILIZATION PRACTICE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
PERMANENT SEEDING *		A						A				
DORMANT SEEDING **			A								A	
TEMPORARY SEEDING		B D						C				

FOR ALL SEEDING APPLICATIONS, ADD STRAW MULCH AT 2 TONS/ ACRE.

A = REFER TO SPECIFICATIONS FOR PERMANENT SEEDING MIXTURE. FERTILIZE AS RECOMMENDED BY SOIL TEST, IF TESTING IS NOT DONE, APPLY 400-600 LBS./ACRE OF 12-12-12 ANALYSIS, OR EQUIVALENT, FERTILIZER.

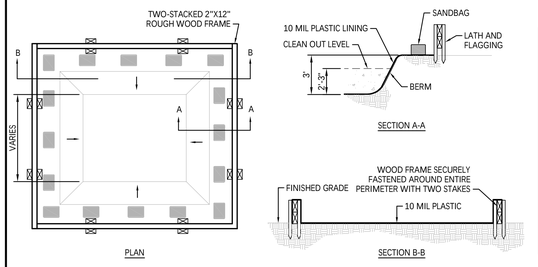
B = SPRING OATS 3 BUSHELS / ACRE (2.3lbs. / 1000 Sq ft) FERTILIZE AS RECOMMENDED BY SOIL TEST. IF TESTING IS NOT DONE, APPLY 400- 600 LBS./ACRE OF 12-12-12 ANALYSIS, OR EQUIVALENT, FERTILIZER.

C = WHEAT OR RYE 2 BUSHELS/ACRE (2.8lbs. / 1000 Sq. ft) FERTILIZE AS RECOMMENDED BY SOIL TEST. IF TESTING IS NOT DONE, APPLY 400- 600 LBS./ACRE OF 12-12-12 ANALYSIS, OR EQUIVALENT, FERTILIZER.

D = ANNUAL RYEGRASS 40 LBS./ACRE (1 LB./1000 SQ. FT.)

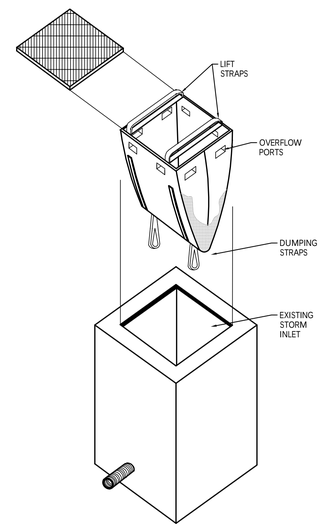
* IRRIGATION NEEDED DURING JUNE, JULY, AUGUST AND SEPTEMBER AND AS REQUIRED BY WEATHER CONDITIONS.

** INCREASE SEEDING APPLICATION BY 50%



NOTES:
1. PORTLAND CEMENT CONCRETE WASTE SHALL NOT BE ALLOWED TO ENTER STORM DRAINS OR WATERCOURSES.
2. TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE LOCATED AT LEAST 50 FEET FROM OPEN DRAINAGE FACILITIES AND WATERCOURSES. EACH FACILITY SHALL BE LOCATED AWAY FROM CONSTRUCTION TRAFFIC OR ACCESS AREAS TO PREVENT DISTURBANCE OR TRACKING.
3. PERFORM WASHOUT OF MIX TRUCK CHUTES IN DESIGNATED AREAS ONLY.
4. HOLES, DEPRESSIONS OR OTHER GROUND DISTURBANCE CAUSED BY THE REMOVAL OF THE TEMPORARY CONCRETE WASHOUT FACILITY SHALL BE RESTORED TO ORIGINAL GROUND WITH BERM AND SIMILAR SOIL MATERIALS.
5. TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE MAINTAINED TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM FREEBOARD OF 12 INCHES. MAINTAINING TEMPORARY WASHOUT FACILITIES SHALL INCLUDE REMOVING AND LEGALLY DISPOSING OF HARDENED CONCRETE AND RETURNING THE FACILITY TO A FUNCTIONAL CONDITION.
6. EXISTING FACILITIES MUST BE CLEANED, OR NEW FACILITIES CONSTRUCTED AND READY FOR USE ONCE THE WASHOUT IS 75% FULL.
7. TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE INSPECTED DAILY FOR DAMAGE (TEARS IN THE LINER, MISSING SANDBAGS, ETC.). DAMAGED FACILITIES SHALL BE REPAIRED BEFORE FURTHER USE.
8. CONTRACTOR TO INSTALL TEMPORARY SIGNAGE OF SUFFICIENT MATERIALS TO INDICATE THE LOCATION OF THE WASHOUT AREA TO MIX TRUCK DRIVERS.

2 CONCRETE WASHOUT AREA DETAIL
NO SCALE



REQUIREMENTS
1. THE INLET PROTECTION UNIT SHALL BE A SEWN GEOTEXTILE FABRIC UNIT.
2. THE UNIT SHALL HAVE LIFTING STRAPS TO ALLOW REMOVAL OF THE UNIT AND MANUAL INSPECTION OF THE STORM WATER SYSTEM.

INSTALLATION
1. REMOVE THE GRATE FROM THE INLET AND STAND ON END.
2. MOVE THE TOP BY LIFTING STRAP OUT OF THE WAY AND PLACE THE GRATE INTO THE UNIT SO THAT THE GRATE IS BELOW THE TOP STRAPS AND ABOVE THE LOWER STRAPS.
3. INSERT THE GRATE INTO THE INLET UTILIZING THE LIFTING DEVICES.

MAINTENANCE
REMOVE ALL ACCUMULATED SEDIMENT AND DEBRIS FROM AROUND THE UNIT FOLLOWING EACH STORM EVENT. LOOK INTO THE UNIT FOLLOWING EACH STORM EVENT AND AT REGULAR INTERVALS. THE UNIT MUST BE EMPTIED IF IT IS MORE THAN 1/3 FULL OF ACCUMULATED SEDIMENT. EMPTY THE UNIT BY USING THE LIFTING STRAPS TO LIFT IT OUT OF THE INLET AND REMOVE THE GRATE. TRANSPORT THE UNIT TO AN APPROPRIATE LOCATION TO REMOVE CONTENTS. UTILIZING THE DUMPING STRAPS ON THE OUTSIDE AT THE BOTTOM OF THE UNIT, TURN THE UNIT UPSIDE DOWN, EMPTYING THE CONTENTS. REINSTALL THE UNIT.

NOTES:
1. CURB INLET PROTECTION SHALL BE DANDY SACK OR APPROVED EQUAL

1 INLET PROTECTION DETAIL
NO SCALE

STUDIO VIEW ARCHITECTURE

THOMAS BIJAN VIZVATARI REGISTERED No. PE11500269 STATE OF INDIANA PROFESSIONAL ENGINEER

Nicholas Bijan Vizvatari

Design Partners:
JPS CONSULTING ENGINEERS

100% CONSTRUCTION DOCUMENTS

DEPARTMENT OF CORRECTIONS - PLAINFIELD

ICI WAREHOUSE EXPANSION

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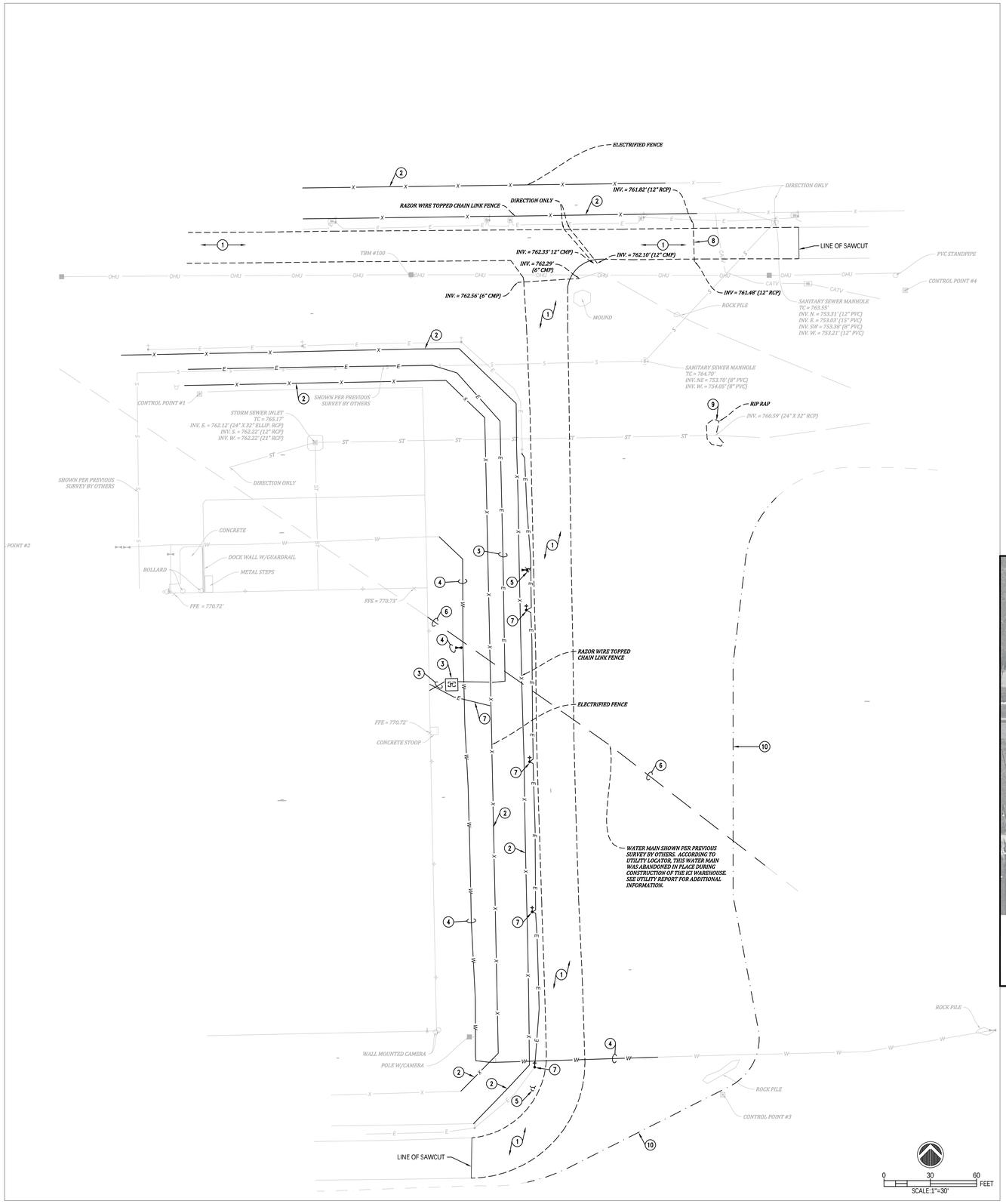
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Project Number:
32011091-2026-003
Drawn By: NBV
Checked By: NBV
DATE: 04/07/2026

STORMWATER POLLUTION PREVENTION DETAILS

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GENERAL NOTES

A. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING, AND VERIFYING, THAT ALL PERMITS AND APPROVALS ARE OBTAINED FROM THE RESPECTIVE CITY, COUNTY, STATE AND FEDERAL AGENCIES PRIOR TO STARTING CONSTRUCTION.

B. CONTRACTOR SHALL VERIFY LOCATION AND INVERT ELEVATIONS OF EXISTING SEWERS PRIOR TO START OF CONSTRUCTION.

C. CONTRACTOR SHALL MAINTAIN A COMPLETE AND OPERABLE UTILITY SYSTEM AT ALL TIMES.

D. CONTRACTOR SHALL INCLUDE COSTS FOR CUTTING AND PATCHING AS REQUIRED IN THEIR BID PROPOSAL TO COMPLETELY INSTALL THE WORK INDICATED.

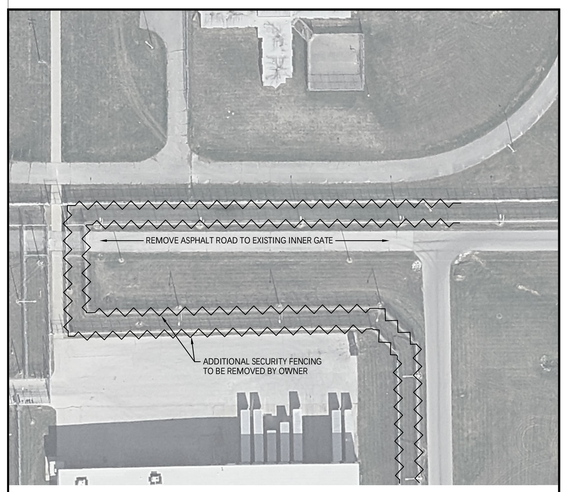
E. CONTRACTOR SHALL INCLUDE ALL TAP FEES, PERMIT FEES AND APPLICATION FEES IN THEIR BID PROPOSAL AS NECESSARY TO COMPLETELY INSTALL THE WORK INDICATED.

F. INFORMATION SHOWN WAS OBTAINED FROM AN OWNER FURNISHED SITE SURVEY OF EXISTING CONDITIONS AND IS UNCONFIRMED. CONTRACTOR IS REQUIRED TO FIELD VERIFY THIS INFORMATION AND NOTIFY ARCHITECT OF ANY DISCREPANCIES SO MODIFICATION CAN BE MADE.

G. CONTRACTOR SHALL COORDINATE EXACT UTILITY LOCATIONS WITH THE OWNER AND LOCAL UTILITY COMPANIES PRIOR TO COMMENCING ANY WORK. UTILIZE THE INDIANA UNDERGROUND UTILITY LOCATION SERVICE AT 811 OR 800-382-5544 PRIOR TO ANY EXCAVATION ON THE SITE.

○ PLAN NOTES

1. REMOVE EXISTING ASPHALT PAVEMENT COMPLETE. MAKE STRAIGHT SAW-CUT AT TERMINATION.
2. REMOVAL OF EXISTING DUAL CHAINLINK AND ELECTRIC FENCES TO BE BY OWNER. A SECURE PERIMETER IS REQUIRED AT ALL TIMES. REFER TO ADDITIONAL FENCING REMOVAL PLAN FOR ADDITIONAL FENCE REMOVAL LIMITS ALSO BY OWNER.
3. REMOVE EXISTING TRANSFORMER, CONCRETE PAD, AND ELECTRICAL FEED COMPLETE. MAINTAIN ELECTRICAL SERVICE AT ALL TIMES. COORDINATE WORK WITH DUKE ELECTRIC.
4. REMOVE EXISTING WATER MAIN COMPLETE.
5. REMOVE EXISTING FIRE HYDRANT AND VALVE ASSEMBLY COMPLETE.
6. REMOVE EXISTING ABANDONED WATER MAIN THAT CONFLICTS WITH NEW CONSTRUCTION.
7. REMOVE EXISTING LIGHT POLE, CONDUITS, AND CONCRETE BASE COMPLETE. KEEP POLES FOR REUSE/REINSTALLATION.
8. REMOVE EXISTING STORM PIPE COMPLETE.
9. REMOVE EXISTING RIPRAP STONE COMPLETE.
10. REMOVE PORTION OF EXISTING PLANTED FARM FIELD COMPLETE TO MAKE ROOM FOR NEW CONSTRUCTION.



1 ADDITIONAL FENCING REMOVAL PLAN
SCALE: 1"=60'

STUDIO VIEW ARCHITECTURE

NICHOLAS BIJAN VERGATOS
REGISTERED
No. PE11500269
STATE OF INDIANA
PROFESSIONAL ENGINEER

Design Partners:
JPS CONSULTING ENGINEERS

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DEPARTMENT OF CORRECTIONS - PLAINFIELD
ICI WAREHOUSE EXPANSION
727 MOON RD. PLAINFIELD, IN 46168

#	Revision	Date

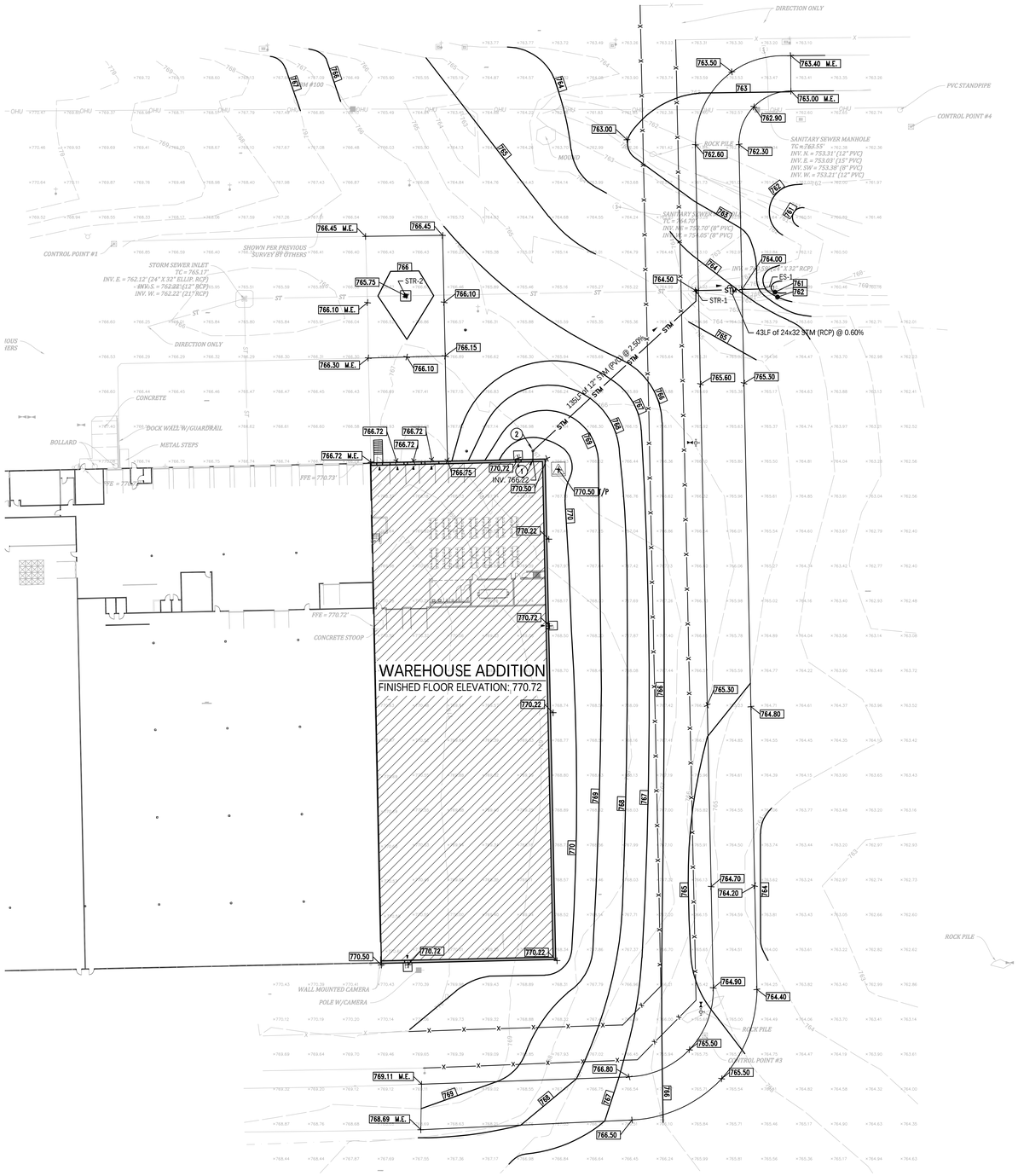
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Project Number: 32011091-2026-003
Drawn By: NBV
Checked By: NBV
DATE: 04/07/2026

SITE DEMOLITION PLAN

C200

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GENERAL NOTES

A. REFER TO UTILITY DETAILS FOR NOTE REFERENCES.
B. ALL CASTINGS SHALL HAVE THE WORDS "NO DUMPING DRAINS TO STREAM" CAST IN RAISED OR RECESSED LETTERS AT A MINIMUM OF 1" HEIGHT. A SYMBOL OF A FISH SHALL ALSO BE CAST WITH THE LETTERS.
C. CASTINGS TO BE NEENAH TYPE OR APPROVED EQUAL.
D. CONTRACTOR TO VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO THE START OF CONSTRUCTION.

○ PLAN NOTES

1. REFER TO PLUMBING PLANS FOR SIZE, LOCATION AND ELEVATION OF PIPING AT BUILDING.
2. NEW EXTERIOR CLEANOUT.

STRUCTURE SCHEDULE

MARK	INVERT		CASTING		STRUCTURE	
	INLET	OUTLET	ELEVATION	TYPE	TYPE	DETAIL
STR-1	EX. W 760.59 SW 762.84	760.59	764.50	R1642 w/SECURITY BOLTING	MANHOLE	C600
STR-2	EX. 761.57±	EX. 761.57±	765.75	R3480-A w/SECURITY BOLTING	MANHOLE	C600
ES-1	760.33	-	760.33	-	CONCRETE END SECTION	C600

0 30 60 FEET
SCALE: 1"=30'

STUDIO VIEW ARCHITECTURE

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Nicholas Bijan Vizcaino

Design Partners:
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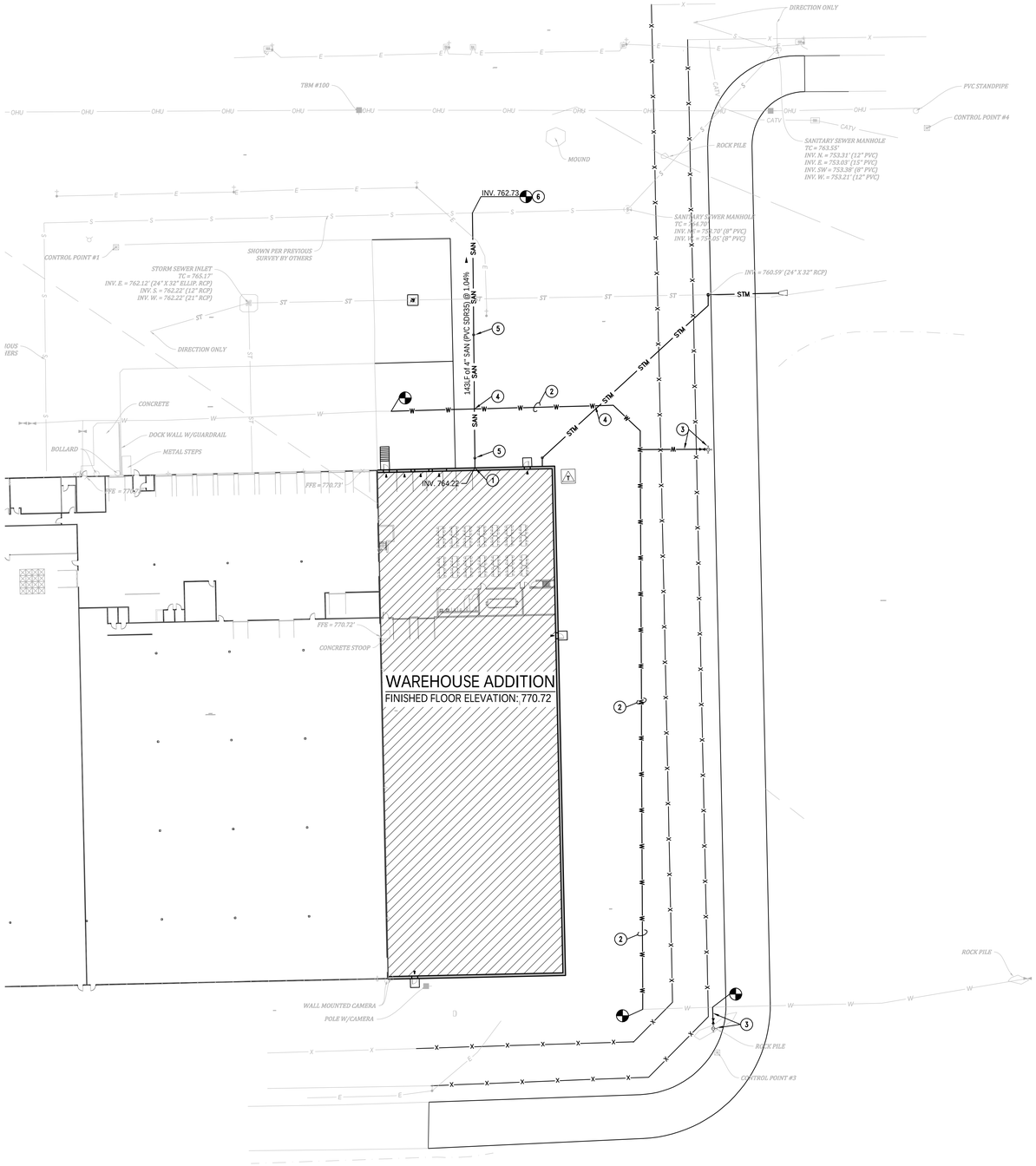
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SITE GRADING AND DRAINAGE PLAN

C300

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GENERAL NOTES

A. REFER TO UTILITY DETAILS FOR NOTE REFERENCES.
B. ALL CASTINGS SHALL HAVE THE WORDS 'NO DUMPING DRAINS TO STREAM" CAST IN RAISED OR RECESSED LETTERS AT A MINIMUM OF 1" HEIGHT. A SYMBOL OF A FISH SHALL ALSO BE CAST WITH THE LETTERS.
C. CASTINGS TO BE NEENAH TYPE OR APPROVED EQUAL.
D. CONTRACTOR TO VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO THE START OF CONSTRUCTION.

○ PLAN NOTES

1. REFER TO PLUMBING PLANS FOR SIZE, LOCATION AND ELEVATION OF PIPING INSIDE BUILDING.
2. 8" WATER MAIN (PVC C900). MATCH EXISTING WATER MAIN SIZE.
3. FIRE HYDRANT WITH 6" SERVICE LINE AND VALVE ASSEMBLY.
4. WATER AND SEWER CROSSING, PROVIDE MINIMUM 18" CLEARANCE BETWEEN WATER AND SEWER PIPES.
5. EXTERIOR CLEANOUT.
6. SERVICE CONNECTION TO EXISTING SEWER MAIN.

0 30 60 FEET
SCALE:1"=30'

STUDIO VIEW ARCHITECTURE

NICHOLAS BIJAN VIZCAINO
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PROFESSIONAL ENGINEER

Nicholas Bijan Vizcaino

Design Partners:
JPS CONSULTING ENGINEERS

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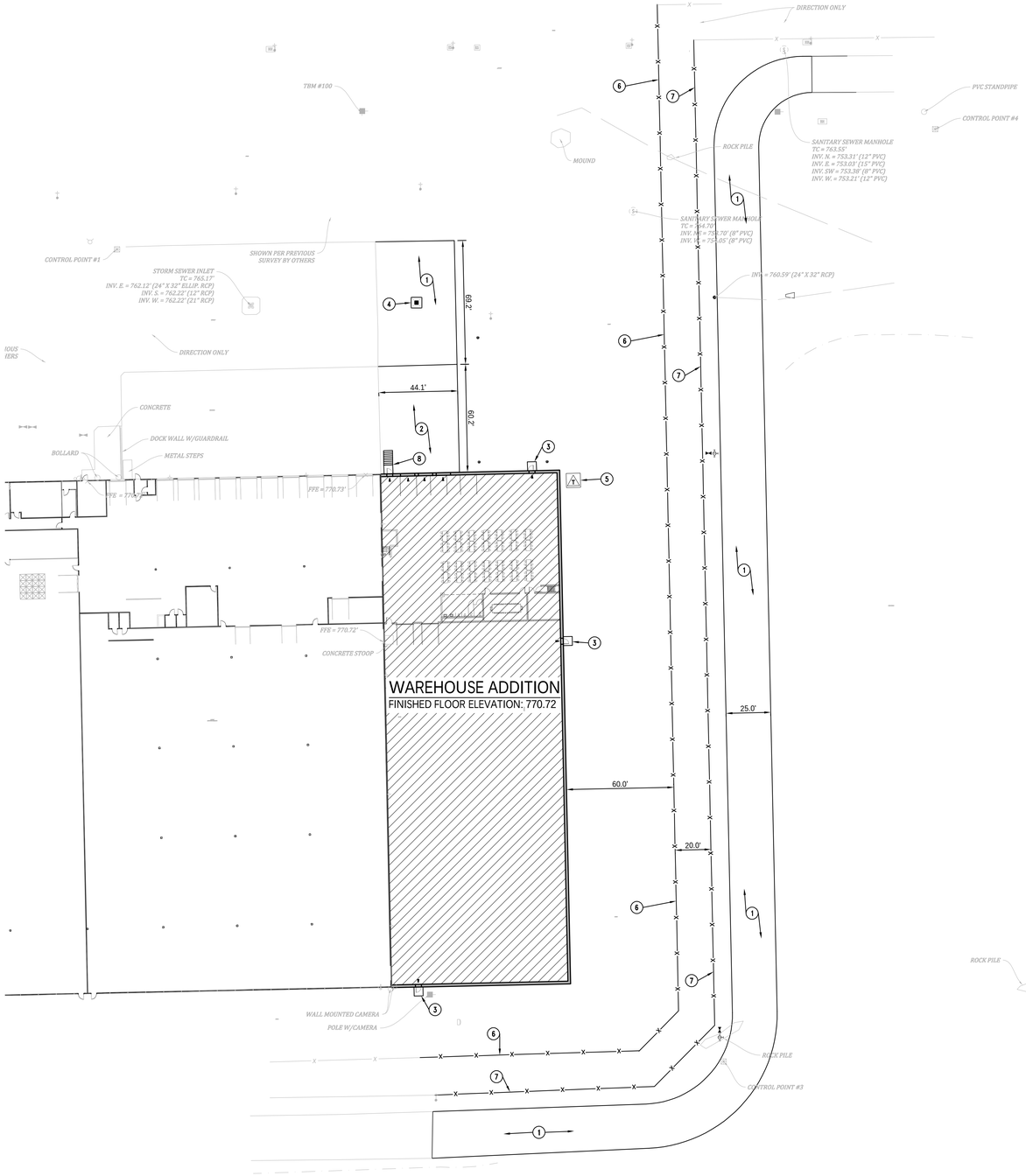
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SITE UTILITY PLAN

C400

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GENERAL NOTES

A. REFER TO DETAILS FOR NOTE REFERENCES.

○ PLAN NOTES

1. ASPHALT PAVEMENT.
2. 8" THICK CONCRETE PAVEMENT.
3. FLUSH CONCRETE STOOP. REFER TO STRUCTURAL DRAWINGS FOR MORE INFORMATION.
4. INLET CONCRETE COLLAR.
5. CONCRETE PAD FOR TRANSFORMER.
6. ELECTRIFIED FENCE PER INDIANA DEPARTMENT OF CORRECTION STANDARDS. MATCH EXISTING FENCE HEIGHT. REFER TO ELECTRICAL DRAWINGS FOR PANEL LOCATION AND POWER REQUIREMENTS.
7. CHAINLINK FENCE TOPPED WITH RAZOR WIRE PER INDIANA DEPARTMENT OF CORRECTION STANDARDS. MATCH EXISTING FENCE HEIGHT.
8. EXTERIOR STAIRS. REFER TO ARCHITECTURAL DRAWINGS FOR MORE INFORMATION.

0 30 60 FEET
SCALE:1"=30'

STUDIO VIEW ARCHITECTURE

THOMAS BIJAN VIZVATARI
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No. PE11500269
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PROFESSIONAL ENGINEER

Nicholas Bijan Vizvatari

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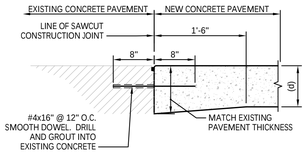
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SITE IMPROVEMENT PLAN

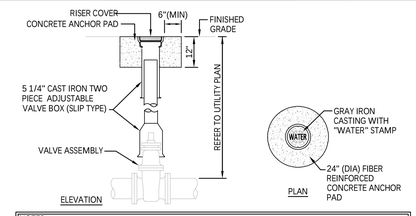
C500

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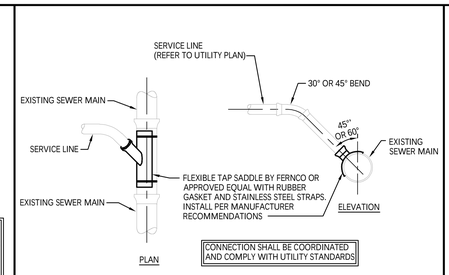
NOTES:
1. NEW PAVEMENT SHALL BE FLUSH WITH EXISTING PAVEMENT.
2. REFER TO CONCRETE PAVEMENT DETAIL FOR PAVEMENT THICKNESS (d).

15 NEW CONCRETE PAVEMENT TO EXISTING CONCRETE PAVEMENT DETAIL
NO SCALE



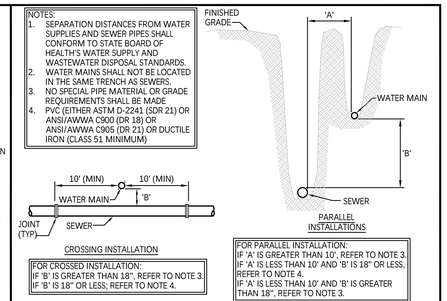
NOTES:
1. VALVE BOX ASSEMBLY SHALL COMPLY WITH THE WATER UTILITY STANDARDS. WHERE NO STANDARDS ARE APPLICABLE, PROVIDE GRAY CAST IRON CLEANOUT LIKE EAST JORDAN 8555 SERIES OR APPROVED EQUAL (REFER TO SPECIFICATIONS). COVER SHALL BE FLUSH WITH FINAL GRADE.
2. NO LOAD SHALL BE TRANSFERRED FROM THE VALVE BOX TO THE VALVE ASSEMBLY.
3. CONCRETE ANCHOR PAD REQUIRED IN LAWN AND LANDSCAPE AREAS.
4. WHEN VALVE ASSEMBLY IS DEEPER THAN 48", AN EXTENSION WILL BE REQUIRED TO BRING OPERATING NUT TO WITHIN 24" OF FINISHED GRADE.

11 WATER VALVE BOX DETAIL
NO SCALE



CONNECTION SHALL BE COORDINATED AND COMPLY WITH UTILITY STANDARDS

9 SERVICE CONNECTION TO EXISTING SEWER
NO SCALE



NOTES:
1. SEPARATION DISTANCES FROM WATER SUPPLIES AND SEWER PIPES SHALL CONFORM TO STATE BOARD OF HEALTH'S WATER SUPPLY AND WASTEWATER DISPOSAL STANDARDS.
2. WATER MAINS SHALL NOT BE LOCATED IN THE SAME TRENCH AS SEWERS.
3. NO SPECIAL PIPE MATERIAL OR GRADE REQUIREMENTS SHALL BE MADE
4. PVC (EITHER ASTM D-2241 (SDR 21) OR ANSI/AWWA C900 (DR 18) OR ANSI/AWWA C905 (DR 21) OR DUCTILE IRON (CLASS 51 MINIMUM)

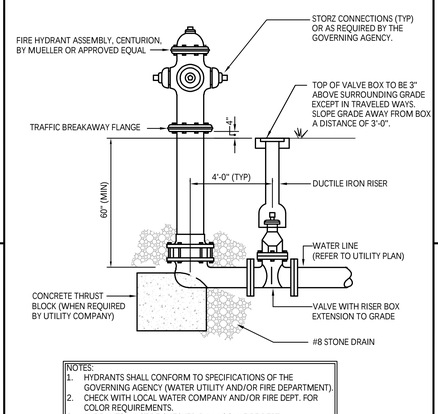
FOR CROSSED INSTALLATION:
IF 'B' IS GREATER THAN 18", REFER TO NOTE 3.
IF 'B' IS 18" OR LESS; REFER TO NOTE 4.

FOR PARALLEL INSTALLATION:
IF 'A' IS GREATER THAN 10', REFER TO NOTE 3.
IF 'A' IS LESS THAN 10' AND 'B' IS 18" OR LESS, REFER TO NOTE 4
IF 'A' IS LESS THAN 10' AND 'B' IS GREATER THAN 18", REFER TO NOTE 3.

4 WATER AND SEWER CROSSING DETAIL
NO SCALE

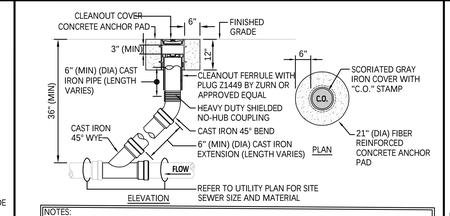
NOTE:
1. WHEN CONSTRUCTION OCCURS WITHIN PUBLIC RIGHT-OF-WAY, THE WORK SHALL COMPLY WITH THE GOVERNING AGENCY REQUIREMENTS.
2. REPAIR DAMAGED OR FAILING PAVEMENT PRIOR TO APPLICATION OF NEW SURFACE.
3. REFER TO SPECIFICATIONS FOR HOT ASPHALTIC MIX REQUIREMENTS.

14 NEW ASPHALT PAVEMENT TO EXISTING ASPHALT PAVEMENT DETAIL
NO SCALE



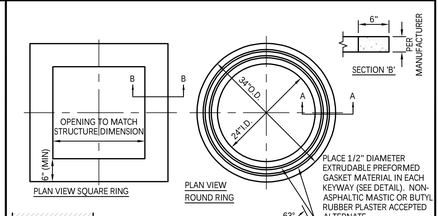
NOTES:
1. HYDRANTS SHALL CONFORM TO SPECIFICATIONS OF THE GOVERNING AGENCY (WATER UTILITY AND/OR FIRE DEPARTMENT).
2. CHECK WITH LOCAL WATER COMPANY AND/OR FIRE DEPT. FOR COLOR REQUIREMENTS.
3. HYDRANTS MUST BE CHECKED BY A LOCAL FIRE DEPT. REPRESENTATIVE PRIOR TO INSTALLATION.
4. INSTALLATION SHALL CONFORM TO NFPA 24.
5. COORDINATE VALUE-TURN DIRECTION WITH THE LOCAL WATER COMPANY AND/OR FIRE DEPARTMENT.
6. PROVIDE (4) 6"Ø PAINTED PIPE BOLLARD FOR PROTECTION FROM VEHICULAR TRAFFIC. FIELD VERIFY EXACT LOCATION AND CONFIGURATIONS.
7. PROVIDE FLOW RATE (GPM) FOR ALL NEW HYDRANTS AND FIRE DEPARTMENT CONNECTIONS.

10 FIRE HYDRANT DETAIL
NO SCALE

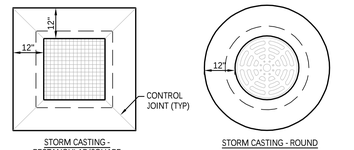


NOTES:
1. CLEANOUT PIPING TO BE 6" MINIMUM AND 8" MAXIMUM PIPING SHALL NOT EXCEED THE SIZE OF THE SITE SEWER.
2. PROVIDE GRAY CAST IRON CLEANOUT LIKE ZURN ZB-1474-SG OR APPROVED EQUAL (REFER TO SPECIFICATIONS). CLEANOUT FRAME TO BE FLUSH WITH FINAL GRADE.
3. WHERE THE SITE SEWER IS GREATER THAN 6" DIAMETER, USE REDUCING TYPE WYE FITTING.
4. REFER TO ASTM C1277 STANDARD SPECIFICATION FOR HEAVY DUTY NO-HUB SHIELDED COUPLINGS.
5. CONCRETE ANCHOR PAD REQUIRED IN LAWN AND LANDSCAPE AREAS.

8 EXTERIOR CLEANOUT DETAIL
NO SCALE



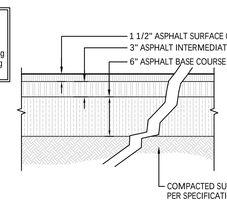
3 PRECAST CONCRETE ADJUSTING RING DETAIL
NO SCALE



17 CONCRETE INLET COLLAR DETAIL
NO SCALE

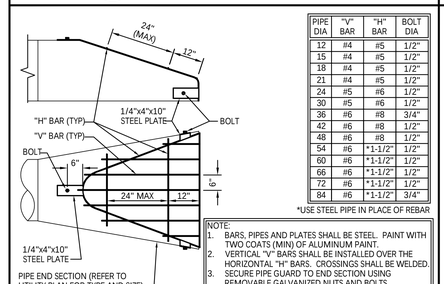
ASPHALT BASE COURSE GRADATION:

37.5 mm Sieve: 100% passing
25.0 mm Sieve: 100% passing
19.0 mm Sieve: 90.0% – 100.0% passing
4.75 mm Sieve : 35.0% – 55.0% passing
2.36 mm Sieve: 19.0% – 45.0% passing



NOTE:
1. WHEN CONSTRUCTION OCCURS WITHIN PUBLIC RIGHT-OF-WAY, THE WORK SHALL COMPLY WITH THE GOVERNING AGENCY REQUIREMENTS.
2. REFER TO SPECIFICATIONS FOR AGGREGATE GRADATION AND HOT ASPHALTIC MIX REQUIREMENTS.

13 ASPHALT PAVEMENT DETAIL
NO SCALE

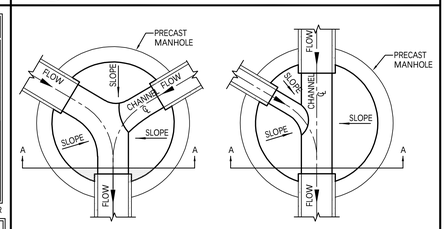


PIPE DIA	"V" BAR	"H" BAR	BOLT DIA
12"	#4	#5	1/2"
15"	#4	#5	1/2"
18"	#4	#5	1/2"
21"	#4	#5	1/2"
24"	#5	#6	1/2"
30"	#5	#6	1/2"
36"	#6	#8	3/4"
42"	#6	#8	1/2"
48"	#6	#8	1/2"
54"	#6	*1-1/2"	1/2"
60"	#6	*1-1/2"	1/2"
66"	#6	*1-1/2"	1/2"
72"	#6	*1-1/2"	1/2"
84"	#6	*1-1/2"	3/4"

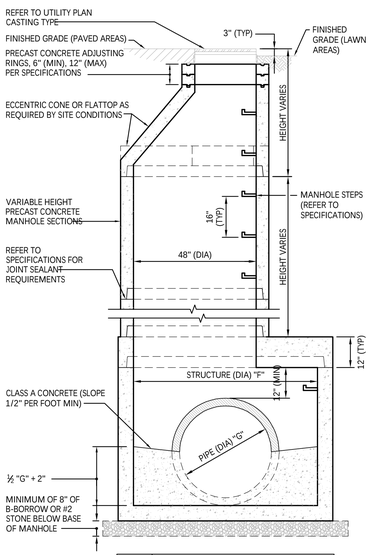
*USE STEEL PIPE IN PLACE OF REBAR

NOTE:
1. BARS, PIPES AND PLATES SHALL BE STEEL. PAINT WITH TWO COATS (MIN) OF ALUMINUM PAINT.
2. VERTICAL "V" BARS SHALL BE INSTALLED OVER THE HORIZONTAL "H" BARS. CROSSINGS SHALL BE WELDED.
3. SECURE PIPE GUARD TO END SECTION USING REMOVABLE GALVANIZED NUTS AND BOLTS.

7 PIPE GUARD DETAIL
NO SCALE



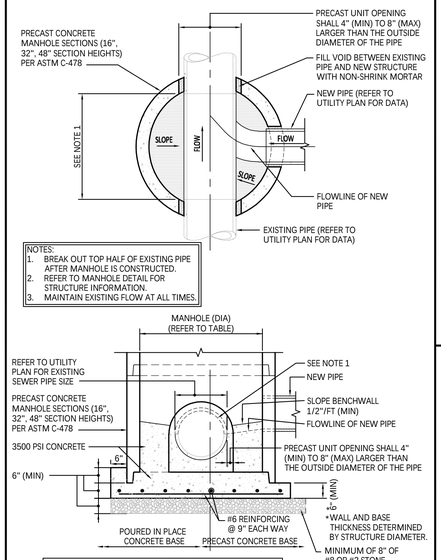
2 MANHOLE BENCHWALL DETAIL
NO SCALE



NOTE:
THE BENCHWALL SHALL FORM A DEFINED CHANNEL TO A MINIMUM HEIGHT OF 80% OF THE INSIDE DIAMETER OF THE INLET AND OUTLET PIPES TO FORM A "U" SHAPED CHANNEL, CONSTRUCTED AT A MINIMUM 1/2" PER FOOT SLOPE TO THE MANHOLE WALL.

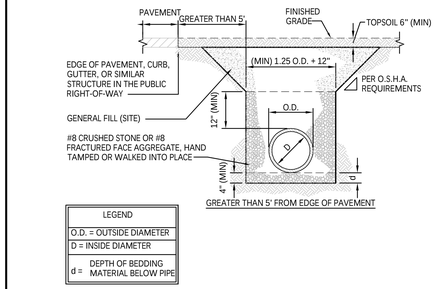
STORM MANHOLE DIAMETER TABLE		
PIPE (DIA) "G"	MANHOLE DIAMETER "F"	MAXIMUM PIPE SIZE FOR MAINLINE
36"-48"	72"	48"
48"-54"	96"	54"
54"-72"	102"	72"
72"-94"	108"	84"

16 STORM MANHOLE DETAIL
(FOR MAINLINE PIPE DIAMETERS 36" TO 84")



MANHOLE DIAMETER TABLE		
EXIST. PIPE SIZE "D"	PIPES ENTERING OR LEAVING AT A 0°- 45° ANGLE	PIPES ENTERING OR LEAVING AT A 46°- 90° ANGLE
12"-21"	48"	48"
24"	48"	48"
	27"-30"	60" 60"

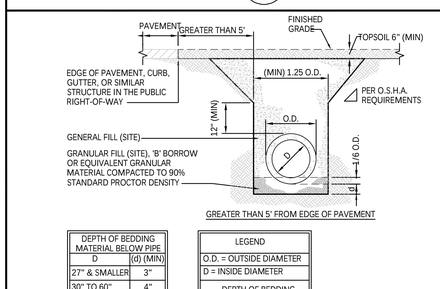
12 NEW MANHOLE OVER EXISTING PIPE DETAIL
(FOR EXISTING PIPE DIAMETERS 8" TO 30")



LEGEND
O.D. = OUTSIDE DIAMETER
D = INSIDE DIAMETER
d = DEPTH OF BEDDING MATERIAL BELOW PIPE

NOTES:
1. ALL BEDDING AND INITIAL BACKFILL SHALL BE INSTALLED 6" TO 12" BALANCED LIFTS.
2. A MINIMUM OF 9" CLEARANCE SHALL BE PROVIDED ON EACH SIDE OF THE INSTALLED PIPE.
3. BEDDING SHALL BE SHAPED TO RECEIVE THE PIPE BELL SO THAT THE PIPE BARREL IS UNIFORMLY SUPPORTED.
4. REFER TO SPECIFICATIONS FOR ADDITIONAL INSTALLATION REQUIREMENTS.

6 FLEXIBLE PIPE (PVC & HDPE) BEDDING DETAIL
NO SCALE

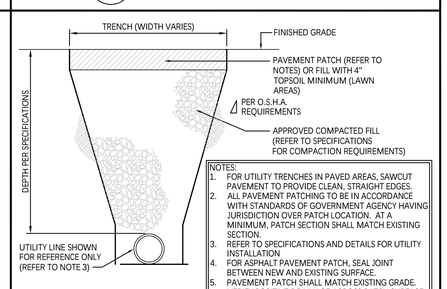


DEPTH OF BEDDING MATERIAL BELOW PIPE	
D	(d) (MIN)
27" & SMALLER	3"
30" TO 60"	4"
66" & LARGER	6"

LEGEND
O.D. = OUTSIDE DIAMETER
D = INSIDE DIAMETER
d = DEPTH OF BEDDING MATERIAL BELOW PIPE

NOTES:
1. ALL BEDDING AND INITIAL BACKFILL SHALL BE INSTALLED 6" TO 12" BALANCED LIFTS.
2. A MINIMUM OF 9" CLEARANCE SHALL BE PROVIDED ON EACH SIDE OF THE INSTALLED PIPE.
3. BEDDING SHALL BE SHAPED TO RECEIVE THE PIPE BELL SO THAT THE PIPE BARREL IS UNIFORMLY SUPPORTED.
4. REFER TO SPECIFICATIONS FOR ADDITIONAL INSTALLATION REQUIREMENTS.

5 RIGID PIPE (RCP) BEDDING DETAIL
NO SCALE



NOTES:
1. FOR UTILITY TRENCHES IN PAVED AREAS, SAWCUT PAVEMENT TO PROVIDE CLEAN, STRAIGHT EDGES.
2. ALL PAVEMENT PATCHING TO BE IN ACCORDANCE WITH STANDARDS OF GOVERNMENT AGENCY HAVING JURISDICTION OVER PATCH LOCATION. AT A MINIMUM, PATCH SECTION SHALL MATCH EXISTING SECTION.
3. REFER TO SPECIFICATIONS AND DETAILS FOR UTILITY INSTALLATION
4. FOR ASPHALT PAVEMENT PATCH, SEAL JOINT BETWEEN NEW AND EXISTING SURFACE.
5. PAVEMENT PATCH SHALL MATCH EXISTING GRADE. VERIFY POSITIVE DRAINAGE ACROSS PATCH SURFACE. REPAIR IF NECESSARY.

1 UTILITY TRENCH CUT DETAIL
NO SCALE

STUDIO VIEW ARCHITECTURE
NICHOLAS BIJAN VERZOTTO REGISTERED No. PE11500269 STATE OF INDIANA PROFESSIONAL ENGINEER
Nicholas Bijan Verzotto
Design Partners:
JPS CONSULTING ENGINEERS

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ICI WAREHOUSE EXPANSION
727 MOON RD. PLAINFIELD, IN 46168

#	Revision	Date

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SITE DETAILS

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GENERAL REQUIREMENTS

1. THE CONTRACTOR SHALL RESOLVE ANY CONFLICT ON THE DRAWINGS OR IN THE SPECIFICATIONS WITH THE ARCHITECT / EOR BEFORE PROCEEDING WITH THE WORK IN GENERAL. WHERE THE DRAWINGS AND SPECIFICATIONS ARE IN CONFLICT, THE MORE STRINGENT RESTRICTIONS AND REQUIREMENTS SHALL GOVERN. CONDITIONS NOT SPECIFICALLY SHOWN SHALL BE CONSTRUCTED AS SHOWN FOR SIMILAR WORK.
2. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO OBTAIN ALL CONTRACT DOCUMENTS AND LATEST REVISIONS AND TO SUBMIT SUCH DOCUMENTS TO ALL SUBCONTRACTORS AND MATERIAL SUPPLIERS PRIOR TO THE SUBMITTAL OF SHOP DRAWINGS, FABRICATION OF ANY STRUCTURAL MEMBERS AND ERECTION IN THE FIELD.
3. PLAN NOTES, DETAILS AND SECTIONS SHALL TAKE PRECEDENCE OVER GENERAL STRUCTURAL NOTES. "TYPICAL DETAILS" ARE APPLICABLE THROUGHOUT CONSTRUCTION DOCUMENTS AND MAY NOT BE SPECIFICALLY REFERENCED THEREIN. THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING THESE TYPICAL DETAILS AND UNDERSTANDING EXTENT OF THEIR APPLICATION PRIOR TO PERFORMING WORK.
4. CONTRACT DOCUMENTS INDICATE SUFFICIENT INFORMATION TO CONVEY DESIGN INTENT. THE GENERAL CONTRACTOR SHALL REVIEW CONTRACT DOCUMENTS AND VERIFY FIELD AND EXISTING CONDITIONS. PROMPTLY NOTIFY ARCHITECT/ EOR PRIOR TO PROCEEDING WITH WORK IF FURTHER CLARIFICATION OF DESIGN INTENT IS NEEDED.
5. REFER TO ARCHITECTURAL AND/OR MEP DRAWINGS FOR DIMENSIONS NOT SHOWN ON THE STRUCTURAL DRAWINGS. DO NOT SCALE DRAWINGS.
6. CONTRACTORS ARE REQUIRED TO COORDINATE THEIR RESPECTIVE WORK WITH ALL OTHER DISCIPLINES TO AVOID ANY CONFLICTS DURING CONSTRUCTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE THE STRUCTURAL DRAWINGS WITH ALL OTHER CONSTRUCTION DOCUMENTS.
7. THE DRAWINGS DO NOT SHOW ALL THE OPENINGS REQUIRED. THE CONTRACTOR SHALL VERIFY ALL OPENING SIZES AND LOCATIONS WITH OTHER DISCIPLINES. ADDITIONAL OPENINGS, BLOCK-OUTS AND SLEEVES MAY BE REQUIRED BY OTHER DISCIPLINES AND SHAM BE CONSTRUCTED USING THE TYPICAL DETAILS AND/OR THE CRITERIA INDICATED ON THE DRAWINGS.
8. THE CONTRACT DOCUMENTS REPRESENT THE FINISHED STRUCTURE AND DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR THE STABILITY OF THE STRUCTURE UNTIL CONSTRUCTION OF THE STRUCTURE REACHES ITS FINAL CONDITION. AS SUCH, THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE BUT ARE NOT LIMITED TO BRACING, SHORING, UNDERPINNING, ETC. THE ARCHITECT / EOR IS NOT RESPONSIBLE FOR THE CONTRACTOR'S MEANS, METHODS, TECHNIQUES, SEQUENCES OR SAFETY PROCEDURES DURING CONSTRUCTION.
9. SUBMIT SHOP DRAWINGS FOR REVIEW BEFORE FABRICATION. THE CONTRACTOR SHALL REVIEW ALL SUBMITTALS FOR COMPLETENESS AND COMPLIANCE WITH THE CONTRACT DOCUMENTS PRIOR TO SUBMISSION TO THE ARCHITECT / EOR. THE ARCHITECT / EOR REVIEW IS FOR GENERAL CONFORMANCE WITH DESIGN INTENT AND WHEN INDICATED, THE SUBMITTAL SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE JURISDICTION OF THE PROJECT.
10. MODIFICATIONS AND SUBSTITUTIONS MUST BE ACCEPTED IN WRITING BY THE ARCHITECT / EOR. NO MODIFICATION OR SUBSTITUTION WILL BE ACCEPTED VIA SHOP DRAWING REVIEW.
11. NON-STRUCTURAL ITEMS INCLUDING BUT NOT LIMITED TO STAIR FRAMING, ARCHITECTURAL CLADDING, ETC., WHEN NOT DETAILED ON THE STRUCTURAL OR ARCHITECTURAL DRAWINGS SHALL BE THE DESIGN RESPONSIBILITY OF THE CONTRACTOR. THESE NON-STRUCTURAL ITEMS MAY BE SUPPORTED BY THE PRIMARY STRUCTURE BUT SHALL NOT IMPOSE TORSIONAL LOADS ONTO THE PRIMARY SUPPORT MEMBERS. THE CONTRACTOR SHALL PROVIDE BRACES, KICKERS, STIFFENERS, ETC. AS NECESSARY TO ELIMINATE TORSIONAL LOADS AT NO ADDITIONAL COST TO THE OWNER.
12. IF A DISCREPANCY IS NOTED ON THE DRAWINGS, GENERAL NOTES OR SPECIFICATIONS, THE CONTRACTOR SHALL SUBMIT TO THE ARCHITECT / EOR A WRITTEN REQUEST FOR CLARIFICATION AND SHALL NOT PROCEED WITH THE AFFECTED WORK WITHOUT DOCUMENTED RESOLUTION OF THE DISCREPANCY. ALL COSTS RESULTING FROM THE CONTRACTOR IMPROPERLY PROCEEDING WITH THE AFFECTED WORK PRIOR TO DOCUMENTED RESOLUTION OF THE DISCREPANCY, INCLUDING COST OF REMOVAL AND REPLACEMENT OF NON-CONFORMING WORK, SHALL BE BORNE BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
13. THE CONTRACTOR SHALL PROTECT EXISTING FACILITIES, STRUCTURES AND UTILITIES FROM DAMAGE DURING CONSTRUCTION.
14. STRUCTURAL SITE OBSERVATION VISITS MADE BY MEMBERS OF THE DESIGN TEAM SHALL NOT CONSTITUTE ACCEPTANCE OF THE CONSTRUCTION MEANS AND METHODS.
15. ANY STRUCTURAL DEMOLITION NOT INDICATED ON THE STRUCTURAL DRAWINGS THAT REQUIRES ADDITIONAL NEW STRUCTURE AND/OR FOUNDATIONS, REINFORCING OF EXISTING STRUCTURE, UNDERPINNING OR BRACING OF EXISTING FOUNDATIONS AND WALLS, ETC, SHALL BE THE RESPONSIBILTY OF THE CONTRACTOR. THE CONTRACTOR SHALL SUBMIT SIGNED AND SEALED DRAWINGS AND CALCUALTIONS FOR ARCHITECT / EOR REVIEW AND APPROVAL.

EXISTING CONDITIONS

1. EXISTING CONSTRUCTION SHOWN ON THESE DRAWINGS WAS OBTAINED FROM EXISTING CONSTRUCTION DOCUMENTS AND SITE INVESTIGATION AND CAN BE USED FOR BIDDING PURPOSES. THE CONTRACTOR SHALL VERIFY ALL EXISTING PROJECT CONDITIONS, REVIEW ALL DRAWINGS AND VERIFY DIMENSIONS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/EOR OF ALL DISCREPANCIES AND EXCEPTIONS BEFORE PROCEEDING WITH THE WORK. THE DRAWINGS FOR THE EXISTING CONSTRUCTION ARE AVAILABLE FOR REVIEW.
2. THE CONTRACTOR SHALL FIELD VERIFY ALL PERTINENT INFORMATION BY MEASUREMENTS AND SURVEYS AT THE SITE.
3. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO THE STAT OF CONSTRUCTION AND TAKE CARE TO PROTECT EXISTING UTILITIES THAT ARE TO REMAIN IN SERVICE.
4. THE REMOVAL, CUTTING, DRILLING, ETC. OF THE EXISTING WORK SHALL BE PERFORMED WITH GREAT CARE AND SMALL TOOLS IN ORDER NOT TO JEOPARDIZE THE STRUCTURAL INTEGRITY OF THE BUILDING. IF STRUCTURAL MEMBERS OR MECHANICAL, ELECTRICAL, PLUMBING OR ARCHITECTURAL FEATURES NOT INDICATED FOR REMOVAL INTERFERE WITH THE NEW WORK, THE ARCHITECT/EOR SHALL BE IMMEDIATELY NOTIFIED, AND PRIOR APPROVAL SHALL BE OBTAINED BEFORE REMOVAL OF MEMBERS.
5. PRIOR TO CORING OR SAWING EXISTING CONCRETE WALLS AND SLABS FOR NEW PENETRATIONS. THE CONTRACTOR SHALL LOCATE EXISTING REINFORCEMENT IN CONCRETE USING NON-DESTRUCTIVE METHODS. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/EOR OF NEW PENETRATION LOCATIONS IN CONFLICT WITH EXISTING REINFORCING. DO NOT CUT EXISTING REINFORCING WITHOUT PRIOR APPROVAL BY THE ARCHITECT/EOR.
6. THE CONTRACTOR SHALL SAFELY SHORE EXISTING CONSTRUCTION WHEREVER EXISTING SUPPORTS ARE REMOVED TO ALLOW THE INSTALLATION OF THE NEW WORK. ALL SHORING METHODS AND SEQUENCING OF DEMOLITION SHALL BE SPECIFIED BY A LICENSED PROFESSIONAL ENGINEER REGISTERED IN THE PROJECT JURISDICTION, TO BE RETAINED BY THE CONTRACTOR.
7. THE CONTRACTOR SHALL REPAIR ALL DAMAGE CAUSED DURING CONSTRUCTION WITH SIMILAR MATERIALS AND WORKMANSHIP TO RESTORE CONDITIONS TO LEVELS ACCEPTABLE TO THE ARCHITECT/EOR AND OWNER.

CONSTRUCTION LOADS

1. THE CONSTRUCTION MATERIALS, IF PLACED ON FRAMED FLOORS AND ROOFS, SHALL BE SPREAD OUT SUCH THAT THE DESIGN LIVE LOAD PER SQUARE FOOT IS NOT EXCEEDED.
2. THE CONTRACTOR SHALL PROVIDE ADEQUATE SHORING IF OVERLOAD DURING CONSTRUCTION IS ANTICIPATED OR WHERE STRUCTURAL ELEMENTS HAVE NOT ATTAINED DESIGN STRENGTH. THE CONTRACTOR SHALL SUBMIT CALCULATIONS SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN PROJECT JURISDICTION VERIFYING THE ADEQUACY OF THE STRUCTURE FOR ANY PROPOSED LOADS THAT ARE IN EXCESS OF THE STATED DESIGN LOADS.
3. SHOULD THE CONTRACTOR INTEND TO OPERATE CONSTRUCTION EQUIPMENT INCLUDING BUT NOT LIMITED TO TEMPORARY LIFTS, HOISTS, CRANES, ETC., A COMPLETE LISTING OF ALL RELEVANT DESIGN INFORMATION SHALL BE SUBMITTED FOR EOR REVIEW AND APPROVAL. THE INFORMATION SUBMITTED SHALL INCLUDE OPERATING WEIGHT, WHEEL LOADS, WHEELBASE AND SPACING, AND WHEEL CONTACT AREA. THIS INFORMATION SHALL BE SUBMITTED TO THE EOR ON A CASE-BY-CASE BASIS. IF THE EQUIPMENT LOADING REQUIRES ADDITIONAL SUPPORT, THE CONTRACTOR SHALL FURNISH THE SUPPLEMENTARY STRUCTURE AT NO COST TO THE OWNER.

LOADS SUSPENDED FROM THE STRUCTURE

1. THE CONTRACTOR SHALL COORDINATE AND PROVIDE SUFFICIENT SUPPORT FRAMING FOR ITEMS SUSPENDED FROM THE STRUCTURE (DUCTWORK, CONDUIT, PIPING, LIGHTS, CEILING, ETC) TO DISTRIBUTE LOADING THROUGHOUT THE STRUCTURE SUCH THAT THE DESIGN SUPERIMPOSED LOAD ALLOWANCE IDENTIFIED IS NOT EXCEEDED FOR ANY STRUCTURAL ELEMENT.
2. IF THE CONTRACTOR DETERMINES THAT LOADS SUSPENDED WILL EXCEED THE IDENTIFIED LOADING LIMITS FOR ANY STRUCTURAL ELEMENT, THE CONTRACTOR SHALL CONTACT THE STRUCTURAL ELEMENT FOR REVIEW PRIOR TO INSTALLING THE LOADS.
3. LOADS SUSPENDED FROM HANGER TABS ON COMPOSITE STEEL FLOOR DECKING SHALL NO EXCEED 50 POUNDS AT ANY SINGLE LOCATION.
4. LOADS SHALL NOT BE SUSPENDED FROM STEEL ROOF DECK WITHOUT PRIOR APPROVAL FROM THE STRUCTURAL ENGINEER EXCEPT AS SPECIFICALLY INDICATED ON THE STRUCTURAL DRAWINGS.

SUBMITTALS

1. 20 WORKING DAYS PRIOR TO SUBMITTING SHOP DRAWINGS THE CONTRACTOR SHALL SUBMIT FOR EOR REVIEW, A SCHEDULE WHICH DETAILS THE ESTIMATED QUANTITY OF SHOP DRAWINGS AND THE DATE THE SHOP DRAWINGS WILL BE RECEIVED BY THE EOR. THE EOR SHALL HAVE THE OPPORTUNITY TO REVIEW THE PROPOSED SCHEDULE AND SUBMIT COMMENTS TO THE CONTRACTOR. THE FINAL SHOP DRAWING SCHEDULE SHALL BE DEVELOPED AND SUBMITTED TO THE EOR. IN ACCORDANCE WITH THE SHOP DRAWING SCHEDULE, THE EOR WILL RETURN THE SHOP DRAWING ITEMS WITHIN 10 WORKING DAYS AFTER HAVING RECEIVED THE SHOP DRAWINGS.
2. SHOP DRAWINGS SHALL ADEQUATELY DEPICT THE STRUCTURAL ELEMENTS CONNECTIONS SHOWN ON THE CONTRACT DOCUMENTS. SHOP DRAWINGS WILL BE REVIEWED FOR GENERAL COMPLIANCE WITH THE DESIGN INTENT OF THE CONTRACT DOCUMENTS ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY COMPLIANCE WITH THE CONTRACT DOCUMENTS AS TO QUANTITY, LENGTH, ELEVATIONS, DIMENSIONS, ETC. REVIEW OF SUBMITTALS AND SHOP DRAWINGS DOES NOT RELIEVE THE CONTRACTOR OF FULL RESPONSIBILITY FOR ERRORS AND OMISSIONS ASSOCIATED WITH THE PREPARATION OF THE SHOP DRAWINGS.
3. SHOP DRAWINGS SHALL BE REVIEWED BY THE CONTRACTOR AND MARKED "APPROVED" PRIOR TO SUBMITTAL TO THE ARCHITECT/EOR. NON-CONFORMING DRAWING SUBMITTALS WILL BE RETURNED WITHOUT REVIEW. THE CONTRACTOR IS TO STAMP EACH SUBMITTAL VERIFYING THAT THE FOLLOWING HAVE BEEN ADDRESSED:
   A. THE SHOP DRAWING IS BASED ON THE LATEST DESIGN DOCUMENT.
   B. THE ARCHITECT'S AND EOR'S COMMENTS FROM ANY PREVIOUS SUBMITTALS ARE ADDRESSED.
   C. THE WORK IS COORDINATED AMONG ALL CONSTRUCTION TRADES.
   D. REVISIONS FROM PREVIOUS SUBMITTALS ARE CLEARLY MARKED BY CIRCLING OR CLOUDS.
   E. SUBMITTAL IS COMPLETE
   F. SUBMITTAL DOES NOT INCLUDE SUBSTITUTION REQUESTS
   G. SUBMITTAL SHALL INCLUDE A STAMP INDICATING THE PROJECT NAME AND LOCATION, SUBMITTAL NUMBER AND SPECIFICATION SECTION NUMBER
4. FOR COMPONENTS THAT REQUIRED ENGINEERING BY THE CONTRACTOR (REFER TO THE DELEGATED DESIGN SECTION NOTES), PROVIDE A NOTE ON EACH SHOP DRAWING, WRITTEN AND SIGNED BY THE SUPPLIER'S ENGINEER, INDICATING THAT THE SHOP DRAWING IS IN CONFORMANCE WITH THE CALCULATIONS MADE BY THE SUPPLIER'S ENGINEER.
5. THE FOLLOWING ITEMS REQUIRE SUBMITTALS FOR STRUCTURAL REVIEW:
   A. CONCRETE REINFORCEMENT
   B. CONCRETE MIX DESIGNS
   C. CONCRETE CONSTRUCTION JOINT LAYOUT
   D. CONCRETE CONTROL JOINT LAYOUT
   E. STRUCTURAL STEEL
   F. ALL DELEGATED DESIGN COMPONENTS (SEE DELEGATED DESIGN NOTES)
6. IN ADDITION TO THE ABOVE LISTED SUBMITTALS, THE FOLLOWING SUBMITTALS SHALL BE PROVIDED:
   A. LAYOUT DRAWINGS OF ITEMS (PLATES, ANGLES, BOLTS, ETC) OR ITEMS ATTACHED TO THE STRUCTURAL FRAME FOR BUILDING CLADDING ATTACHMENT OR ATTACHMENT OF OTHER ITEMS.
   B. LAYOUT OF MECHANICAL, ELECTRICAL AND PLUMBING OPENINGS IN FLOOR SLABS/ROOF
   C. LAYOUT OF PENETRATIONS IN BEAMS AND JOISTS
7. OMISSION OF ANY MATERIAL REQUIRED BY THE CONTRACT DOCUMENTS FROM SHOP DRAWINGS SHALL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY FOR FURNISHING THESE MATERIALS REGARDLESS OF WHETHER THE SUBMITTALS HAVE BEEN REVIEWED.
8. THE USE OF ELECTRONIC FILES OR REPRODUCTIONS OF THE CONTRACT DOCUMENTS BY THE CONTRACTOR SIGNIFIES THE CONTRACTOR'S ACCEPTANCE OF ALL THE INFORMATION SHOWN "AS IS". THE CONTRACTOR WILL BE RESPONSIBLE FOR VERIFYING THE ACCURACY AND COMPLETENESS OF THE INFORMATION PROVIDED.
9. ISSUED DRAWINGS TAKE PRECEDENCE OVER ANY ELECTRONIC INFORMATION PROVIDED. ALL REVISIONS TO THE CONTRACT DOCUMENTS (ADDENDA, SUPPLEMENTS, ETC) ARE NOT NECESSARILY INCLUDED IN THE ELECTRONIC FILES.
10. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL CONTRACT DOCUMENTS, INCLUDING THE LATEST REVISIONS, AND TO DISTRIBUTE THESE TO ALL SUBCONTRACTORS PRIOR TO THE SUBMITTAL OF SHOP DRAWINGS.
11. THE CONTRACT DOCUMENTS SHALL GOVERN OVER THE SHOP DRAWINGS UNLESS OTHERWISE SPECIFIED IN WRITING BY THE EOR.
12. ALL SUBMITTALS SHALL BE SUBMITTED IN ELECTRONIC PDF FORMAT.

DELEGATED DESIGN

1. THE CONTRACTOR SHALL EMPLOY OR RETAIN THE SERVICES OF A LICENSED PROFESSIONAL ENGINEER IN THE PROJECT JURISDICTION TO DESIGN AND DETAIL THE FOLLOWING COMPONENTS:
   A. FOUNDATION AND EARTHWORK:
      a. TEMPORARY EXCAVATION SUPPORT
   B. DIVISION 2:
      a. TEMPORARY BRACING/SHORING DURING DEMOLITION
   C. DIVISION 3:
      a. STRUCTURAL PRECAST CONCRETE COMPONENTS
      b. ARCHITECTURAL COMPONENTS
      c. FORMWORK FOR CONCRETE CONSTRUCTION
      d. SHORING FOR CONCRETE CONSTRUCTION
   D. DIVISION 5:
      a. STRUCTURAL STEEL ERECTION AND TEMPORARY BRACING REQUIRED DURING CONSTRUCTION
      b. STRUCTURAL STEEL CONNECTIONS
      c. LOADBEARING AND NON-LOADBEARING COLD FORMED METAL STUDS FOR INTERIOR AND EXTERIOR WALLS
      d. COLD FORMED METAL STUD WALL CONNECTIONS AND ATTACHMENTS TO STRUCTURAL FRAME.
      e. STAIRS AND HANDRAIL SYSTEMS
      f. STEEL JOISTS AND JOIST GIRDER FRAMING AND ASSOCIATED BRIDGING
   E. EXTERIOR BUILDING ENVELOPE:
      a. CURTAINWALL AND GLAZING BACKUP SYSTEMS
      b. CURTAINWALL AND OTHER GLAZING CLADDING SYSTEMS
      c. CLADDING ATTACHMENTS TO PRIMARY STRUCTURAL SYSTEM OR CLADDING BACKUP SYSTEM.
      d. ALL OTHER CLADDING SYSTEMS SUCH AS TERRA COTTA PANELS, METAL PANELS, COMPOSITE WOOD PANELS, ETC.
      e. ROOFTOP FALL PROTECTION AND WINDOW WASHING SYSTEMS
      f. STRUCTURAL SKYLIGHT SYSTEMS
2. DRAWING SUBMITTALS AND CALCULATIONS FOR DELEGATED DESIGN COMPONENTS SHALL BE REVIEWED AND SEALED BY THE DELEGATE ENGINEER PRIOR TO THE LIMITED REVIEW BY THE PROJECT'S EOR. DELEGATED DESIGN SUBMITTALS WILL BE REVIEWED ONLY FOR DESIGN LOADING CONFORMANCE TO SPECIFIED PROJECT PERFORMANCE CRITERIA AS WELL AS IMPACT TO THE PRIMARY STRUCTURE FROM THE COMPONENT ATTACHMENTS. THE EOR SHALL BE ENTITLED TO RELY ON THE ADEQUACY, ACCURACY AND COMPLETENESS OF THE DESIGN PROVIDED BY THE CONTRACTOR.
3. THE DELEGATE ENGINEER IS RESPONSIBLE FOR CODE CONFORMANCE FOR ALL INDIVIDUAL PARTS AND INTERNAL CONNECTIONS OF THE DELEGATED DESIGN COMPONENTS.
4. SHOP DRAWINGS FOR DELEGATED DESIGN COMPONENTS SHALL INDICATE MAGNITUDE AND DIRECTION OF ALL LOADS IMPOSED ON PRIMARY AND SECONDARY STRUCTURAL ELEMENTS IN ENGLISH IMPERIAL UNITS ALONG WITH STRUCTURAL DEFLECTIONS TO COMPONENTS THE ARE ABLE TO ACCOMMODATE.
5. CALCULATIONS SUBMITTED SHALL CLEARLY CROSS REFERENCE THE SHOP DRAWINGS WITH SPECIFIC DETAIL REFERENCES.
6. THE EOR REVIEW OF DELEGATED DESIGN SUBMITTALS DOES NOT ABSOLVE THE CONTRACTOR AND COMPONENT DESIGN ENGINEER OF THE RESPONSIBILITY TO PROVIDE COMPLETE AND ACCURATE ANALYSIS AND DESIGN CONFORMING TO THE PROJECT DESIGN CRITERIA AND THE GOVERNING BUILDING CODES AND STANDARDS.

DESIGN CRITERIA

1. PERFORM ALL CONSTRUCTION IN CONFORMANCE WITH THE BUILDING AND DESIGN CODES REFERENCED WITHIN THESE DOCUMENTS.
2. BUILDING CODE: THE **2012** INTERNATIONAL BUILDING CODE (IBC) WITH **2014** INDIANA BUILDING CODE AMENDMENTS.
   A. DESIGN STANDARDS:
      1. AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE), 7-**10** MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES.
   B. MATERIAL STANDARDS:
      1. AMERICAN CONCRETE INSTITUTE (ACI) 318-**11** BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE.
      2. AMERICAN CONCRETE INSTITUTE (ACI) 301 SPECIFICATIONS FOR STRUCTURAL CONCRETE.
      3. AMERICAN CONCRETE INSTITUTE (ACI) 530-**11** BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES AND 530.1-**11** SPECIFICATIONS FOR MASONRY STRUCTURES.
      4. AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC), 360-**10** SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS.
      5. AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC), 342-**10** SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS.
      6. AMERICAN IRON AND STEEL INSTITUTE (AISI), NAS-**07** NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS, INCLUDING **2010** SUPPLEMENT.
      7. ALL OTHER APPLICABLE CODES AS REFERENCED IN CHAPTER 35 OF THE **2012** IBC
3. GRAVITY LOADS:
   A. DEAD LOAD OF THE STRUCTURE: ACTUAL SELF-WEIGHT
   B. SUPERIMPOSED DEAD LOAD:
      1. SUSPENDED MEP TYPICAL: 5 PSF
      2. CEILING/ FLOORING: 5 PSF
      3. ROOFING MATERIAL: 5 PSF
   C. LIVE LOADS:
      1. SLAB ON GRADE (TYPICAL): 750 PSF
      2. MEZZANINE FLOOR: 250 PSF
4. SNOW LOAD:
   A. GROUND SNOW LOAD, P_G: 20 PSF
   B. SNOW IMPORTANCE FACTOR, I_S: 1.0
   C. SNOW EXPOSURE FACTOR, C_E: 1.0
   D. THERMAL FACTOR, C_T: II
1. WIND LOAD CRITERIA:
   A. BUILDING RISK CATEGORY: II
   B. WIND EXPOSURE: C
   C. TOPOGRAPHIC FACTOR, K_{ZT}: 1.0
   D. WIND DIRECTIONALITY FACTOR, K_D: 0.85
   E. BASIC WIND SPEED FOR STRUCTURAL FRAME DESIGN: 115 MPH
   F. BASIC WIND SPEED FOR DRIFT CALCULATION (BASED ON THE 10-YEAR RETURN): 76 MPH
   G. ENCLOSURE CLASSIFICATION: FULLY ENCLOSED
2. SEISMIC LOAD CRITERIA:
   A. BUILDING RISK CATEGORY: II
   B. SEISMIC IMPORTANCE FACTOR, I_E: 1.0
   C. SITE CLASS: C
   D. MAPPED SPECTRAL RESPONSE ACCELERATION: S_S = 0.176, S_1 = 0.091
   E. DESIGN SPECTRAL RESPONSE ACCELERATION: S_{DS} = 0.141, S_{D1} = 0.103
   F. SEISMIC DESIGN CATEGORY: B
   G. LATERAL FORCE RESISTING SYSTEM: ORDINARY PRECAST SHEAR WALLS
   H. ANALYSIS PROCEDURE USED: EQUIVALENT LATERAL FORCE ANALYSIS
   I. RESPONSE MODIFICATION COEFFICIENT, R: 3.0
   J. OVERSTRENGTH FACTOR, Ω_0: 2 1/2
   K. DEFLECTION AMPLIFICATION FACTOR, C_D: 3.0
   L. SEISMIC RESPONSE COEFFICIENT, C_S: 0.047
3. SERVICEABILITY CRITERIA:
   A. LIVE LOAD DEFLECTION: SPAN/360
   B. TOTAL LOAD DEFLECTION: SPAN/240
   C. ALL MEMBERS SUPPORTING MASONRY (UNO): SPAN/600
   D. PERIMETER EDGE MEMBERS NOT SUPPORTING MASONRY:
      1. LIVE LOAD DEFLECTION: SPAN/480
      2. TOTAL LOAD DEFLECTION: SPAN/360
   E. LATERAL DRIFT DUE TO WIND LOADS (10 YEAR MRI): H/240
4. PROVISIONS FOR FUTURE EXPANSION ARE AS FOLLOWS: [NONE]

EARTHWORK AND FOUNDATIONS

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN AND REVIEW THE PROJECT GEOTECHNICAL REPORT PRIOR TO BIDDING. CONTACT THE EOR WITH ANY DISCREPANCIES OR CONCERNS SO THAT A RESOLUTION MAY BE REACHED.
2. REFER TO THE PROJECT GEOTECHNICAL REPORT NUMBER 25-1364-01G PREPARED BY PATRIOT ENGINEERING AND ENVIRONMENTAL, INC., DATED 10/02/2025 AND ALL APPLICABLE ADDENDA, AMENDMENTS AND SUPPLEMENTS FOR INFORMATION PERTAINING TO FOUNDATION EXCAVATIONS, DESIGN, AND CONSTRUCTION. ALL FOUNDATION EXCAVATIONS SHALL BE FIELD VERIFIED BY A QUALIFIED GEOTECHNICAL ENGINEER, RETAINED BY THE OWNER, PRIOR TO CONSTRUCTION.
3. BUILDING FOUNDATION DESIGN IS BASED ON THE FOLLOWING NET ALLOWABLE BEARING PRESSURES: (ASSUMED PENDING GEOTECH REPORT)
   A. 2500 PSF FOR COLUMN SPREAD FOOTINGS
   B. 2000 PSF FOR CONTINUOUS WALL FOOTINGS
4. IF ACTUAL ALLOWABLE BEARING PRESSURES ARE FOUND TO BE LESS THAN THE SPECIFIED VALUES, THE CONTRACTOR SHALL NOTIFY THE EOR IMMEDIATELY AND SHALL NOT PROCEED WITH FOUNDATION CONSTRUCTION WITHOUT REVIEW AND APPROVAL OF THE EOR.
5. DESIGN PARAMETERS FOR BELOW GRADE WALLS ARE BASED ON FREE DRAINING GRANULAR BACKFILL MATERIAL BEHIND THE WALLS A SET FORTH IN THE GEOTECHNICAL REPORT
6. BUILDING FOUNDATION SHALL BE PLACED ON FIRM, UNDISTURBED NATURAL SOIL OR ON ENGINEERED FILL MATERIAL. FOR AREAS REQUIRING ENGINEERED FILL, THE MATERIAL SHALL CONSIST OF CLEAN GRANULAR FILL COMPACTED AS SET FORTH IN THE EARTHWORK SPECIFICATIONS AND THE GEOTECHNICAL REPORT AND PLACED IN LIFTS AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER ON SITE AND IN THE GEOTECHNICAL REPORT. SOIL BEARING PRESSURE OF THE ENGINEERED FILL SHALL BE FIELD VERIFIED BY A GEOTECHNICAL ENGINEER ON SITE PRIOR TO CONSTRUCTION.
7. BACKFILL MATERIAL FOR BASEMENT WALLS AND THE BACK SIDE (EARTH SIDE) OF RETAINING WALLS SHALL BE CLEAN, WASHED DRAINAGE FILL TO PERMIT DRAINAGE TO PERIMETER DRAIN SYSTEM. DRAINAGE FILL SHALL BE COMPACTED AS SET FORTH IN EARTHWORK SPECIFICATIONS AND THE GEOTECHNICAL REPORT AND PLACED IN LIFTS AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER ON SITE AND IN THE GEOTECHNICAL REPORT.
8. SUBBASE MATERIAL UNDER SLABS-ON-GRADE SHALL BE CLEAN GRANULAR FILL COMPACTED AS SET FORTH IN THE EARTHWORK SPECIFICATIONS AND THE GEOTECHNICAL REPORT.
9. BACKFILL AGAINST GRADE BEAMS AND FROST WALLS SHALL BE PLACED EVENLY ON BOTH SIDES
10. DO NOT BACKFILL AGAINST BASEMENT WALLS UNTIL BOTH THE BASEMENT AND GROUND FLOOR SLABS HAVE BEEN COMPLETELY INSTALLED AND HAVE ATTAINED THEIR SPECIFIED 28-DAY COMPRESSIVE STRENGTH AS INDICATED BY TEST CYLINDERS AND ALL SLAB CONNECTIONS TO THE BASEMENT WALLS HAVE BEEN COMPLETELY INSTALLED.
11. DO NOT BACKFILL AGAINST RETAINING WALLS UNTIL THE CONCRETE HAS ATTAINED ITS SPECIFIED 28-DAY COMPRESSIVE STRENGTH AS INDICATED BY TEST CYLINDERS.
12. ANY FOUNDATION INSULATION, WATERPROOFING, VAPOR BARRIER, ETC SHOWN ON THE STRUCTURAL DRAWINGS IS FOR INFORMATION ONLY UNLESS SPECIFICALLY NOTED OTHERWISE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN AND REVIEW THE ARCHITECTURAL DOCUMENTS FOR EXACT LOCATIONS, PLACEMENT AND MATERIAL REQUIREMENTS.
13. NO RECYCLED MATERIAL MAY BE USED AS BACKFILL BELOW THE BUILDING FOUNDATIONS OR SLABS. ALL BACKFILL MATERIAL SHALL BE REVIEWED AND APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO USE.
14. UNDERCUTTING OF THE SOIL FOR FOUNDATION PLACEMENT MAY BE REQUIRED. THE STRUCTURAL DRAWINGS MAY NOT INDICATE THE SCOPE OF UNDERCUTTING, FILL AND/OR ROCK REMOVAL THAT MAY BE REQUIRED TO ATTAIN THE DESIGN SOIL BEARING PRESSURES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW THE GEOTECHNICAL REPORT BEFORE BIDDING TO THE EXTENT OF EXCAVATION AND COMPACTION THAT MAY BE REQUIRED TO MEET THE DESIGN CRITERIA.
15. PLACE FOOTINGS THE SAME DAY EXCAVATIONS ARE OPENED. IF THIS IS NOT POSSIBLE, ADEQUATELY PROTECT THE EXPOSED MATERIAL IN THE BASES OF THE FOOTING EXCAVATIONS FROM ANY DETRIMENTAL CHANGE IN CONDITION SUCH AS FROM DISTURBANCE, RAIN, FREEZING OR EXTREME DRYING. SURFACE RUNOFF SHALL NOT BE ALLOWED TO ENTER THE EXCAVATIONS.
16. A REPORT CERTIFIED BY THE GEOTECHNICAL ENGINEER ON SITE SHALL BE FURNISHED TO THE ARCHITECT / EOR VERIFYING THAT ALL FOUNDATIONS WERE PLACED ON MATERIAL CAPABLE OF SUSTAINING THE DESIGN PRESSURES.
17. IF DEWATERING IS REQUIRED, SUMPS SHALL NOT BE PLACED WITH THE FOUNDATION EXCAVATION.
18. WHERE INDICATED ON THE DRAWINGS, FLOWABLE FILL SHALL BE A CONTROLLED LOW-STRENGTH MATERIAL (CLSM) PRODUCED AND PLACED IN ACCORDANCE WITH THE RECOMMENDATIONS OF ACI 229. PROVIDE MATERIAL WITH A 28-DAY COMPRESSIVE STRENGTH OF 1,000 PSI UNLESS OTHERWISE NOTED.
19. UNLESS OTHERWISE NOTED ON THE DRAWINGS OR PERMITTED BY THE EOR IN WRITING, ALL FOOTINGS SHALL BE FORMED AND EARTH-FORMED/TRENCHED FOOTINGS SHALL NOT BE PERMITTED.
20. FROST DEPTH 30 INCHES BELOW FINISHED GRADE.

CONCRETE

1. ALL CONCRETE WORK SHALL CONFORM TO THE STANDARDS OF THE AMERICAN CONCRETE INSTITUTE, ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE" AND ACI 318 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE", WITH MODIFICATIONS AS NOTED IN THE CONTRACT DOCUMENTS.
2. ALL CONCRETE SHALL BE NORMAL WEIGHT (145 PCF) UNLESS NOTED OTHERWISE ON THE PLANS. 28-DAY COMPRESSIV

STRUCTURAL PRECAST CONCRETE

1. THE PRECAST CONCRETE MANUFACTURING PLANT SHALL BE CERTIFIED BY THE PRESTRESSED CONCRETE INSTITUTE (PCI) PLANT CERTIFICATION PROGRAM, OR OTHER QUALIFIED THIRD-PARTY CERTIFICATION PRIOR TO THE START OF FABRICATION OF THIS PROJECT.
2. THE STRUCTURAL DRAWINGS HAVE BEEN DETAILED BASED ON THE PERFORMANCE-TYPE DESIGN OF ALL PRECAST MEMBERS. PRECAST SHOP DRAWINGS AND CALCULATIONS SHALL BE PREPARED IN ACCORDANCE WITH ACI 318 AND WITH THE LOADING SPECIFIED ON THE STRUCTURAL DRAWINGS. THE SHOP DRAWINGS AND CALCULATIONS SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE PROJECT JURISDICTION.
3. THE STRUCTURE HAS BEEN DESIGNED FOR ITS INTENDED FINAL SERVICE CONDITION. THE PRECASTER SHALL BE RESPONSIBLE FOR SUPPLEMENTAL MEMBER DESIGN TO WITHSTAND FORCES DUE TO HANDLING AND ERECTION INCLUDING TRANSPORTING, SEQUENCING, GUYING, BRACING, STAGING AND SHORING REQUIREMENTS FOR STRUCTURAL STABILITY DURING CONSTRUCTION.
4. ALL STRUCTURAL WELDING SHALL BE IN ACCORDANCE WITH AWS D1.1.
5. THE PRECAST PANEL MANUFACTURER SHALL PROVIDE AND INSTALL ALL MEMBERS TO CARRY AND DISTRIBUTE THE VERTICAL AND LATERAL LOADS TO THE FOUNDATION IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE AND ITS REFERENCED STANDARDS. CALCULATIONS AND SHOP DRAWINGS SHALL BE SUBMITTED FOR EOR REVIEW AND APPROVAL 3 WEEKS PRIOR TO FABRICATION, MINIMUM. THE DESIGN SHALL ACCOUNT FOR FOUNDATION SETTLEMENT AND DIFFERENTIAL SETTLEMENT AS INDICATED IN THE PROJECT GEOTECHNICAL REPORT.
6. THE PRECAST PANEL MANUFACTURER SHALL PROVIDE WALL PANEL DRAWINGS THAT SHOW PANEL ELEVATIONS, EMBEDDED ITEMS, CONNECTIONS AND DOWELS.
7. THE PRECAST PANEL WALLS SHALL BE PRODUCED BY A FIRM WITH AT LEAST 5 YEARS OF EXPERIENCE IN THE MANUFACTURE OF PRESTRESSED/PRECAST PANEL CONCRETE UNITS. THE MANUFACTURER SHALL SUBMIT SHOP DRAWINGS TO THE ARCHITECT/EOR FOR REVIEW. DRAWINGS SHALL SHOW BLOCK OUTS, MARK NUMBERS AND ALL OTHER DETAILS NECESSARY FOR THE MANUFACTURE AND INSTALLATION OF THE PRECAST PANEL WALLS. ROUGH OPENINGS AND BLOCK OUTS REQUIRED FOR STRUCTURAL CONNECTION OF THE PRECAST PANEL WALLS SHALL BE PROVIDED BY THE MANUFACTURER AS SHOWN ON THE SHOP DRAWINGS. THE MANUFACTURER SHALL PROVIDE ROUGH BLOCK OUTS WHEN SHOWN ON THE ARCHITECTURAL AND/OR STRUCTURAL DRAWINGS OR ANY MECHANICAL, ELECTRICAL OR PLUMBING PENETRATIONS OVER 12" IN DIAMETER OR WIDTH.
8. ALL STRANDS SHALL BE UNCOATED 7-WIRE STRESS RELIEVED OR LOW RELAXATION STRANDS IN ACCORDANCE WITH ASTM 5416 GRADE 250 OR 270.
9. PANEL 28-DAY COMPREHENSIVE STRENGTH SHALL BE 5,000 PSI MINIMUM.
10. FIELD CUTTING OF PRECAST PANEL WALLS SHALL NOT BE PERMITTED WITHOUT PRIOR WRITTEN APPROVAL OF THE EOR AND MANUFACTURER. APPROVED CUTTING OR DRILLING SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN RECOMMENDATIONS.
11. THE ERECTOR SHALL LIFT, HANDLE AND PLACE THE PRECAST PANEL WALLS IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS AND PLACEMENT DRAWINGS. PROVIDE NON-SHRINK GROUT BETWEEN THE BOTTOM OF THE PRECAST PANEL AND THE TOP OF THE FOOTING AS REQUIRED BY THE MANUFACTURER'S SHOP DRAWINGS.
12. THE CONTRACTOR SHALL PROVIDE 3 COATS OF ASPHALTIC PAINT OR 3" MINIMUM CONCRETE COVER AT ALL CONNECTIONS EXPOSED TO EARTH OR WEATHER.
13. REFER TO THE ARCHITECTURAL DRAWINGS FOR REVEAL LOCATIONS.
14. PANEL CONNECTIONS AND EMBEDDED ITEMS SHALL BE DESIGNED BY THE PRECAST PANEL MANUFACTURER.
15. THE PRECAST PANEL MANUFACTURER SHALL DESIGN FOR ALL LATERAL FORCE CALCULATIONS DUE TO WIND AND SEISMIC LOADS INCLUDING SHEAR FORCES, OVERTURNING MOMENTS, AXIAL LOADS AND COLLECTOR CONNECTIONS.
16. PROVIDE ½" CLEARANCE BETWEEN PRECAST ELEMENTS UNLESS OTHERWISE NOTED.
17. REMOVE ALL WELD SLAG AROUND EMBEDDED ITEMS EXPOSED TO WEATHER. PROMPTLY PAINT WITH 2 COATS OF RUST INHIBITING PRIMER PRIOR TO FINAL PAINTING.

ARCHITECTURAL CLADDING

1. THE TYPICAL DETAILS AND CLADDING BACKUP DRAWINGS INDICATE THE GENERAL CRITERIA FOR CONNECTIONS OF ARCHITECTURAL CLADDING TO THE BASE BUILDING STRUCTURE. PROVIDE DESIGNS THAT MEET THE INDICATED CRITERIA AND CONFORM TO THE APPLICABLE CODES AND STANDARDS. REFER ALSO TO THE SUBMITTALS SECTION IN THE GENERAL NOTES.
2. GLAZING SYSTEMS (CURTAINWALL AND STOREFRONT):
   A. THE SUPPLIER OF THE GLAZING SYSTEM IS RESPONSIBLE FOR THE DESIGN, DETAILING AND INSTALLATION OF THE CURTAINWALL SYSTEM.
   B. FRAMING AND CONNECTIONS REQUIRED TO TRANSMIT THE GRAVITY AND/OR LATERAL LOADS TO THE STRUCTURE NOT DETAILED ON THE STRUCTURAL DRAWINGS IS THE RESPONSIBILITY OF THE GLAZING SYSTEM SUPPLIER TO DESIGN, DETAIL AND INSTALL.
   C. CONNECTIONS TO TRANSMIT LATERAL LOADS TO THE STRUCTURE SHALL NOT BE MADE TO THE BOTTOM FLANGES OF BEAMS, BOTTOM CHORDS OF JOIST GIRDERS OR BOTTOM CHORDS OF JOISTS WITHOUT APPROVAL OF THE EOR.
   D. WHERE COLD FORMED METAL FRAMING KNEE WALLS ARE PRESENT UNDER THE GLAZING SYSTEM, THE VERTICAL MULLIONS SHALL BE SUPPORTED BY STRUCTURAL FRAMING (WHERE INDICATED). WHERE STRUCTURAL FRAMING IS NOT INDICATED, VERTICAL MULLIONS SHALL BE SUPPORTED BY COLD FORMED METAL KNEE WALL FRAMING DESIGNED BY THE COLD FORMED METAL DESIGNER FOR THE APPROPRIATE REACTIONS PROVIDED BY THE GLAZING SYSTEM DESIGNER. COORDINATE THE LOCATIONS, REACTIONS, AND CONNECTION REQUIREMENTS WITH THE COLD FORMED METAL FRAMING DESIGNER PRIOR TO FABRICATION.

REINFORCED MASONRY

1. ALL MASONRY WORK SHALL CONFORM TO THE REQUIREMENTS OF THE LOCAL BUILDING CODE, BUILDING CODE REQUIREMENTS OF MASONRY STRUCTURES (ACI 530 / ASCE 5 / TMS 402) AND SPECIFICATIONS FOR MASONRY STRUCTURES (ACI 530.1 / ASCE 6 / TMS 602).
2. REFER TO THE ARCHITECT'S DRAWINGS FOR THE EXTENT OF MASONRY WALLS. NON-LOADBEARING WALLS MAY NOT BE SHOWN ON THE STRUCTURAL DRAWINGS.
3. ALL MASONRY WORK SHALL BE SUBJECT TO CONTROLLED INSPECTION.
4. ALL MASONRY SHALL BE LAID IN RUNNING BOND UNLESS OTHERWISE NOTED.
5. ALL CONCRETE MASONRY SHALL CONFORM TO ASTM C90 HOLLOW LOAD BEARING UNITS WITH A MINIMUM COMPRESSIVE STRENGTH OF 2,750 PSI ON THE NET SECTION. ALL CMU SHALL BE NORMAL WEIGHT UNLESS OTHERWISE NOTED.
6. ALL MORTAR SHALL CONFORM TO ASTM C270. MORTAR SHALL BE PLACED IN ALL CONTACT AREAS, INCLUDING HORIZONTAL CONTACT AREAS AND VERTICAL SIDES.
7. ALL GROUT SHALL CONFORM TO ASTM C476 AND SHALL HAVE AN AVERAGE COMPRESSIVE STRENGTH OF 2,500 PSI AT 28 DAYS. CONCRETE SHALL NOT BE USED IN LIEU OF MASONRY GROUT.
8. GROUT SHALL BE PLACED IN THE VERTICAL CORES OF THE MASONRY UNITS UTILIZING THE LOW LIFT GROUTING METHOD SET FORTH IN NMCA-TEK 23A AND AS FOLLOWS:
   A. WEBS ADJACENT TO CORES TO BE GROUTED SHALL BE MORTARED. MORTAR SHALL BE STRUCK FLUSH WITH THE INSIDE FACE OF CORES TO BE GROUTED. CORES TO BE GROUTED SHALL BE CLEARED OF ALL MORTAR DROPPINGS AND OTHER DEBRIS PRIOR TO GROUTING.
   B. THE MAXIMUM HEIGHT OF A GROUT LIFT SHALL BE 4FT.
   C. STEP GROUT POURS 1 ½" BELOW THE UPPERMOST PORTION OF THE CAVITY BEING FILLED TO PROVIDE A KEY FOR THE NEXT LIFT OR POUR.
   D. CONSOLIDATE GROUT BY VIBRATING TWICE WITH A MECHANICAL VIBRATOR EACH LIFT. ONCE IMMEDIATELY AFTER POURING AND ONCE APPROXIMATELY 30 MINUTES AFTER GROUT IS INSTALLED.
   E. ALL REINFORCING STEEL SHALL BE INSPECTED IN PLACE BEFORE GROUTING AND THERE SHALL BE CONTINUOUS INSPECTION DURING GROUTING OPERATION.
9. UNLESS OTHERWISE NOTED, CENTER ALL VERTICAL REINFORCING IN CMU CORE AND HOLD IN POSITION WITH CAGING DEVICES. MINIMUM CLEARANCE SHALL BE ¼" FROM MASONRY AND 1" BETWEEN BARS.
10. THE MINIMUM LENGTH OF LAP FOR REINFORCING IN MASONRY WALLS SHALL BE 48 BAR DIAMETERS UNLESS OTHERWISE NOTED. THESE LAPS SHALL BE LOCATED AND SPACED IN ACCORDANCE WITH THE SPECIFICATIONS.
11. PROVIDE HORIZONTAL JOINT REINFORCING AND HORIZONTAL REINFORCING BARS IN BOND BEAMS IN ACCORDANCE WITH THE SPECIFICATIONS AND THE DRAWINGS.
12. ALL BOND BEAMS SHALL BE CONTINUOUS AND SHALL BE FILLED WITH GROUT AND CONTINUOUS REINFORCEMENT AS SHOWN ON THE DRAWINGS OR AS FOLLOWS:
   A. 6" WIDE BOND BEAM: (1)-#5
   B. 8" AND 10" WIDE BOND BEAM: (2)-#5
   C. 12" WIDE BOND BEAM: (2)-#6
13. FOR BOND BEAM LINTEL REINFORCEMENT REQUIREMENTS, SEE TYPICAL DETAILS, SECTION CUTS ON PLANS OR SCHEDULES.
14. PROVIDE CONTROL JOINTS IN CONCRETE MASONRY WALLS AT 25'-0" ON-CENTER MAXIMUM UNLESS OTHERWISE NOTED. ALL JOINTS SHALL BE LOCATED IN ACCORDANCE WITH NCMA TEK 10-2C "CONTROL JOINTS FOR CONCRETE MASONRY WALLS – EMPIRICAL METHOD".
15. REINFORCE AND GROUT CORES AT EACH JAMB OF MASONRY OPENINGS IN ACCORDANCE WITH THE TYPICAL DETAILS.
16. BEAMS AND LINTELS SHALL BEAR A MINIMUM OF 8" ONTO SUPPORTING MASONRY, UNLESS OTHERWISE NOTED. BEARING FOR ALL BEAMS, LINTELS, JOISTS, ETC. SHALL BE GROUTED SOLID A MINIMUM OF TWO COURSES BELOW THE BEARING ELEVATION, UNLESS OTHERWISE NOTED.
17. THE MASONRY CONTRACTOR SHALL PROVIDE FOR AND COORDINATE WITH OTHER TRADES FOR EMBEDDED ITEMS AND OPENINGS IN MASONRY WALLS. LINTELS SHALL BE PROVIDED FOR ALL OPENINGS GREATER THAN 1'-0" IN ACCORDANCE WITH THE LINTEL SCHEDULE.
18. DOWELS FOR NON-STRUCTURAL CMU WALLS MAY BE CAST-IN BY THE CONCRETE CONTRACTOR OF POST-INSTALLED BY DRILLING WITH ADHESIVES BY THE CMU CONTRACTOR.
19. MASONRY WALLS WHICH ARE EXTERIOR (SUBJECT TO WIND PRESSURE), LOADBEARING, AND/OR PART OF THE LATERAL LOAD RESISTING SYSTEM OR PART OF THE VEHICULAR BARRIER SYSTEM ARE DEFINED AS STRUCTURAL MASONRY. REINFORCEMENT REQUIREMENTS FOR THESE WALLS ARE PROVIDED ON THE STRUCTURAL DRAWINGS.

STRUCTURAL STEEL CONNECTIONS

1. THE MINIMUM SIZE OF BOLTS SHALL BE ¾" DIAMETER UNLESS OTHERWISE NOTED AND EACH CONNECTION SHALL HAVE A MINIMUM OF 2 BOLTS WITH ONE HARDENED WASHER PER BOLT.
2. PERMANENT MACHINE BOLTS, USING AN APPROVED TYPE OF SELF-ANCHORING HEX NUT, MAY BE USED FOR MINOR CONNECTIONS SUCH AS SHELF ANGLES, CLOSURES, ETC.
3. WELDED CONNECTIONS FOR STEEL MEETING ASTM A992 OR A572 SHALL BE MADE WITH E70XX LOW HYDROGEN ELECTRODES. OTHER WELDED CONNECTIONS SHALL BE MADE WITH REGULAR E70XX ELECTRODES.
4. THE MINIMUM THICKNESS OF ALL CONNECTION MATERIALS SHALL BE 5/16" UNLESS OTHERWISE NOTED.
5. CONNECTIONS MAY BE WELDED OR BOLTED.
6. UNLESS OTHERWISE NOTED, ALL SIMPLE BEAM SHEAR CONNECTIONS SHALL BE MADE USING DOUBLE ANGLE CONNECTIONS AND/OR SHEAR PLATE CONNECTIONS. UNLESS OTHERWISE NOTED, CONNECTIONS SHALL BE HIGH STRENGTH BOLT BEARING TYPE. ALL CONNECTIONS, UNLESS FULLY DETAILED ON THE STRUCTURAL DRAWINGS, SHALL BE DESIGNED AND DETAILED BY THE STRUCTURAL STEEL FABRICATOR TO MEET BOTH THE AISC AND OSHA REQUIREMENTS. REFER TO THE TYPICAL DETAILS FOR TYPE OF SIMPLE BEAM CONNECTIONS AND MINIMUM BOLT REQUIREMENTS.
7. TYPICAL DETAILS FOR SIMPLE SHEAR CONNECTIONS ARE PROVIDED FOR DESIGN INTENT ONLY. THE FINAL SHEAR CONNECTION DETAILS SHALL BE DESIGNED AND DETAILED BY THE STEEL FABRICATOR'S CONNECTION ENGINEER. BEAM REACTIONS WILL BE FURNISHED UPON REQUEST. REFER TO THE GENERAL CONDITIONS AND DELEGATED DESIGN SECTIONS OF THE GENERAL NOTES FOR FURTHER INFORMATION AND REQUIREMENTS.
8. IN ADDITION TO MEETING ALL COMBINED CONNECTION DESIGN FORCES SHOWN ON THE PLANS, ELEVATIONS OR SCHEDULES, END CONNECTIONS OF ALL BEAMS AND GIRDERS SHALL BE DESIGNED FOR A MINIMUM AXIAL FORCE EQUAL TO 5% OF THE FACTORED VERTICAL REACTIONS GIVEN. FOR THE PURPOSES OF DESIGNING FOR THIS MINIMUM AXIAL FORCE, THE VERTICAL BEAM REACTION AND CORRESPONDING AXIAL FORCE NEED TO BE CONSIDERED TO ACT CONCURRENTLY. BEARING BOLTS IN CONNECTIONS WITH SHORT SLOTTED HOLES PARALLEL TO THE AXIAL FORCE ARE PERMITTED.
9. TYPICAL DETAILS FOR MOMENT CONNECTIONS AND BRACED FRAMES ARE FOR DESIGN INTENT ONLY. THE STEEL FABRICATOR'S CONNECTION ENGINEER SHALL DESIGN AND DETAIL ALL MOMENT AND BRACED FRAME CONNECTIONS FOR THE FORCES SHOWN ON THE PLANS AND FRAME ELEVATIONS. REFER TO THE GENERAL CONDITIONS AND DELEGATED DESIGN SECTIONS OF THE GENERAL NOTES FOR FURTHER INFORMATION AND REQUIREMENTS.
10. PROVIDE RUN-OFF TABS TO ENSURE COMPLETION OF COMPLETE JOINT PENETRATION (CJP) WELDS AND BEVEL WELDS. REMOVE TABS AND GRIND SMOOTH AFTER COMPLETION.
11. FOR CONNECTION DESIGN AND DETAILING, SET CONNECTION WORK POINT AT INTERSECTION OF MEMBER CENTERLINES UNLESS OTHERWISE NOTED.
12. DESIGN, DETAIL AND INSTALL ALL STIFFENERS, CONTINUITY PLATES, DOUBLER PLATES OR OTHER NECESSARY ADDITIONAL LOCAL STRENGTHENING MEASURES AS REQUIRED. MEMBER SIZES INDICATED ON THE DRAWINGS ARE BASED ON BEHAVIOR AWAY FROM CONNECTIONS.

STRUCTURAL STEEL

1. DETAILS FOR DESIGN, FABRICATION AND ERECTION OF ALL STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH THE REFERENCED AISC STANDARDS UNLESS OTHERWISE NOTED OR SPECIFIED.
2. ALL STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING UNLESS OTHERWISE NOTED ON THE STRUCTURAL DRAWINGS:
   A. WIDE FLANGE SHAPES: ASTM A572 OR A992 (FY = 50 KSI)
   B. CHANNELS, ANGLES, BARS: ASTM A36 (FY = 36 KSI)
   C. PLATES: ASTM A572 GRADE B (FY = 50 KSI)
   D. TUBES (HSS) AND PIPES: ASTM A500 GRADE C (FY = 50 KSI)
3. ALL STRUCTURAL BOLTS (INCLUDING WASHERS NUTS) SHALL CONFORM TO THE REQUIREMENTS OF ASTM A324 OR ASTM A490. ALL BOLTS SHALL BE TIGHTENED TO THE SNUG TIGHT CONDITION UNLESS NOTED OTHERWISE. BOLTING OF STRUCTURAL STEEL SHALL CONFORM TO THE PROVISIONS OF RCSC "SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A325 AND A490 BOLTS".
4. ANCHOR BOLTS SHALL CONFORM TO ASTM F1554 AS NOTED ON THE DRAWINGS. REFER TO DETAILS FOR SIZE AND STRENGTH.
5. WELDING PROCEDURES SHALL CONFORM TO THE AMERICAN WELDING SOCIETY'S (AWS) STRUCTURAL WELDING CODES. ALL WELDING SHALL BE PERFORMED BY PREQUALIFIED WELDERS.
6. WELDS NOT OTHERWISE NOTED ON THE DRAWINGS SHALL BE CONTINUOUS FILLET WELDS. THE MINIMUM SIZE SHALL BE ¼" OR AS REQUIRED BY THE AISC SPECIFICATIONS, WHICHEVER IS LARGER.
7. BURNING OF HOLES IN STRUCTURAL STEEL IS STRICTLY PROHIBITED. DO NOT FLAME-CUT HOLES OR ENLARGE HOLES BY BURNING. ALL HOLES IN STRUCTURAL STEEL SHALL BE DRILLED. REAM HOLES THAT MUST BE ENLARGED TO ADMIT BOLTS. ALL FIELD MODIFICATIONS TO HOLES IN STRUCTURAL STEEL MUST BE APPROVED IN ADVANCE BY THE EOR.
8. PROVIDE TEMPORARY ERECTION BRACING OF THE STRUCTURE UNTIL ALL PERMANENT LATERAL SUPPORT IS IN PLACE
9. STEEL COLUMNS BELOW GRADE SHALL BE PAINTED WITH 2 COATS OF ASPHALTIC PAINT AND ENCASED IN A MINIMUM OF 4" OF CONCRETE.
10. ALL EDGE ANGLES OR BENT PLATES SHALL BE FIELD INSTALLED TO THE BEAMS WITH A +/- 1/8" HORIZONTAL AND VERTICAL TOLERANCE TO ALLOW FOR FIELD ADJUSTMENT AND FACILITATE OTHER INSTALLATIONS.
11. ALL EXTERIOR STEEL, INCLUDING ALL CONNECTION MATERIALS, THAT IS EXPOSED TO THE ELEMENTS IN THE FINISHED STRUCTURE SHALL BE HOT-DIP GALVANIZED.
12. FIELD PAINT, WHERE APPLICABLE. ALL FIELD WELDS, ABRASIONS, RUST SPOTS AND FIELD BOLTS ON STRUCTURAL STEEL, JOISTS AND DECKING AFTER ERECTION. SEE ARCHITECTURAL DOCUMENTS FOR PRIMER, PAINT AND FINISH REQUIREMENTS.
13. WHERE FIREPROOFING IS REQUIRED, ADJUST FIREPROOFING THICKNESS BASED ON MEMBER SIZES. SEE ARCHITECTURAL DRAWINGS FOR FIREPROOFING REQUIREMENTS AND THICKNESS.
14. WHERE NO CAMBER IS INDICATED, FABRICATE BEAMS SUCH THAT ANY NATURAL CAMBER IS UPWARD AFTER ERECTION.
15. SPLICES SHALL BE ALLOWED ONLY AT LOCATIONS INDICATED ON THE STRUCTURAL DRAWINGS UNLESS APPROVED OTHERWISE BY THE EOR IN WRITING.
16. PROVIDE HOLES IN ALL STEEL AS REQUIRED TO PREVENT ACCUMULATION OF WATER. ALL PENETRATIONS THROUGH MAIN MEMBERS SHALL NOT EXCEED 1 1/8" DIAMETER AND SHALL BE GROUND SMOOTH. THESE DRAINS SHALL BE KEPT CLEAN AND OPEN.
17. THE CONTRACTOR SHALL PROVIDE A UNIT COST TO SUPPLY, FABRICATE AND INSTALL 3 TONS OF STRUCTURAL STEEL IN ADDITION TO THAT SHOWN ON THE PLANS. THIS ADDITIONAL STRUCTURAL STEEL SHALL BE INSTALLED AT THE DIRECTION OF THE ARCHITECT / EOR. THE OWNER SHALL BE GIVEN A CREDIT AT THE CONTRACT UNIT PRICE FOR THE UNUSED PORTION.
18. THE CONTRACTOR SHALL PROVIDE A UNIT COST TO SUPPLY, FABRICATE AND INSTALL 3 TONS OF MISCELLANEOUS STEEL (ANGLES, PLATES, ETC.) IN ADDITION TO THAT SHOWN ON THE PLANS. THIS ADDITIONAL MISCELLANEOUS STEEL SHALL BE INSTALLED AT THE DIRECTION OF THE ARCHITECT / EOR. THE OWNER SHALL BE GIVEN A CREDIT AT THE CONTRACT UNIT PRICE FOR THE UNUSED PORTION.

STEEL JOISTS AND JOIST GIRDERS

1. ALL STEEL JOISTS AND JOIST GIRDERS SHALL BE DESIGNED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE SJI STANDARD SPECIFICATIONS.
2. ALL JOISTS SHALL CARRY THE DESIGN LOADS AS SPECIFIED IN THE SJI LOAD TABLES AS THE MINIMUM REQUIREMENT. ADDITIONALLY, THE JOISTS SHALL BE DESIGNED TO CARRY ANY OTHER LOAD TYPES AND PATTERNS AS INDICATED ON THE DRAWINGS.
3. DESIGN FOR ALL SPECIAL JOISTS AND JOINTS WITH NO SIZES SHOWN ON THE DRAWINGS SHALL BE BY THE MANUFACTURER'S ENGINEER, LICENSED IN THE PROJECT JURISDICTION, FOR ALL LOADINGS REQUIRED BY THESE DOCUMENTS. ALL SUBMISSIONS SHALL BEAR THIS ENGINEER'S SEAL AND SIGNATURE. DESIGN CALCULATIONS SHALL BE SUBMITTED AND REVIEWED BY THE EOR PRIOR TO FABRICATION OF THE JOISTS OR JOIST GIRDERS. THE JOIST MANUFACTURER SHALL SUBMIT CALCULATIONS FOR ALL SPECIAL JOISTS TO THE ARCHITECT/EOR FOR APPROVAL PRIOR TO FABRICATION. THESE CALCULATIONS SHALL BEAR THE SIGNED AND DATED SEAL OF A PROFESSIONAL ENGINEER REGISTERED IN THE PROJECT JUSTIFICATION.
4. STEEL JOISTS, BRIDGING AND THEIR CONNECTIONS SHALL BE DESIGNED FOR ADDITIONAL DOWN FORCE RESULTING FROM WIND. DOWN FORCE WIND LOADING IN COMBINATION WITH DEAD AND LIVE LOADS MAY CONTROL THE DESIGN OF THESE ELEMENTS.
5. ALL JOISTS SHALL BE DESIGNED FOR NET WIND UPLIFT IN ACCORDANCE WITH THE ASCE 7. THE JOIST MANUFACTURER'S ENGINEER SHALL CALCULATE THE WIND UPLIFT. THE MINIMUM NET UPLIFT FOR DESIGN SHALL BE 10 PSF. PROVIDE ADDITIONAL HORIZONTAL BOTTOM CHORD BRIDGING AS REQUIRED TO RESIST WIND UPLIFT.
6. ALL JOISTS SHALL BE PROPERLY ANCHORED AT THEIR BEARING POINTS BY EITHER BOLTING OR FIELD WELDING PER THE TYPICAL DETAILS.
7. ALL JOISTS SHALL BE SHOP PAINTED IN ACCORDANCE WITH THE SJI REQUIREMENTS.
8. THE JOIST MANUFACTURER SHALL BE A SJI CERTIFIED SHOP AND SHALL MAINTAIN APPROVED FABRICATION PROCEDURES AS SET FORTH BY THE SJI REQUIREMENTS.
9. JOISTS AT COLUMN CENTERLINES SHALL HAVE EXTENDED BOTTOM CHORD CONNECTIONS. DO NOT CONNECT THE BOTTOM CHORD EXTENSIONS UNTIL ALL DEAD LOADS ARE IN PLACE.
10. JOIST BRIDGING SHALL CONFORM TO THE SJI SPECIFICATIONS AND/OR OSHA REQUIREMENTS. FIELD WELD BRIDGING AT ENDS AND INTERSECTIONS. ALL JOISTS 40'-0" AND LONGER REQUIRE A ROW OF BOLTED CROSS BRIDGING TO BE IN PLACE BEFORE SLACKENING OF HOISTING LINES.
11. ALL JOIST BRIDGING SHALL BE DESIGNED, DETAILED AND PROVIDED BY THE JOIST MANUFACTURER. CALCULATIONS FOR THE JOIST BRIDGING SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE PROJECT JURISDICTION AND SHALL BE SUBMITTED WITH THE JOIST SHOP DRAWINGS FOR REVIEW AND APPROVAL BY THE EOR.
12. JOIST BRIDGING AND CONNECTIONS SHALL BE COMPLETELY INSTALLED PRIOR TO PLACING ANY CONSTRUCTION LOADS ON THE JOISTS. CONSTRUCTION LOADING SHALL NOT EXCEED THE JOIST DESIGN LOADS.
13. PROVIDE STANDARD DEPTH BEARING FOR ALL JOISTS AS SHOWN BELOW UNLESS OTHERWISE NOTED OR SHOWN IN THE DETAILS:
   A. K-SERIES: 2 ½"
   B. LH-SERIES: 5"
14. PROVIDE FLAT BEARING FOR ALL JOISTS UNLESS OTHERWISE NOTED ON THE DRAWINGS. INCREASE THE DEPTH OF THE SEAT ON THE HIGH END OF SLOPED JOISTS AS REQUIRED TO PROVIDE CLEARANCE FOR THE CONNECTION.

STEEL STAIRS AND HANDRAILS

1. ALL STAIRS AND HANDRAILS SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER LICENSED IN THE PROJECT JURISDICTION. THE DESIGN SHALL BE BASED ON THE FOLLOWING DESIGN CRITERIA:
   A. STAIR STRINGERS, TREADS AND RISERS SHALL BE DESIGNED TO SUPPORT 100 PSF LIVE LOAD.
   B. INDIVIDUAL TREADS SHALL BE DESIGNED TO SUPPORT A 300-POUND CONCENTRATED LOAD PLACED IN A POSITION THAT WOULD CAUSE MAXIMUM STRESS AND DEFLECTION.
   C. THE RAIL OF HANDRAILS SHALL BE DESIGNED TO WITHSTAND A LOAD OF 50 PLF APPLIED HORIZONTALLY AT RIGHT ANGLES, AND A 200-POUND CONCENTRATED LOAD APPLIED IN ANY DIRECTION, WHICHEVER RESULTS IN THE MAXIMUM STRESS AND DEFLECTION. THESE LOADS ARE TO BE APPLIED INDIVIDUALLY, NOT COMBINED.
   D. INTERMEDIATE RAILS, PANEL FILLERS AND THEIR CONNECTIONS SHALL BE DESIGNED TO WITHSTAND A LOAD OF 50 PSF APPLIED AT RIGHT ANGLES OVER THE ENTIRE TRIBUTARY AREA INCLUDING THE OPENINGS AND SPACED BETWEEN THE RAILS.
   E. ALL STAIR AND HANDRAIL CONNECTIONS TO THE PRIMARY STRUCTURE SHALL BE DESIGNED AND DETAILED BY THE STAIR MANUFACTURER.

METAL ROOF DECK

1. ALL METAL ROOF DECK MATERIAL, FABRICATION AND INSTALLATION SHALL CONFORM TO THE CURRENT EDITION OF THE STEEL DECK INSTITUTE (SDI) "SPECIFICATIONS AND COMMENTARY" AND "CODE OF RECOMMENDED STANDARD PRACTICE".
2. ROOF DECK SHALL BE GALVANIZED AND MEET OR EXCEED THE LOAD CAPACITIES OF VULCRAFT "B SERIES" METAL ROOF DECK AND SHALL CONFORM TO ALL SDI CRITERIA AND RECOMMENDATIONS. REFER TO STRUCTURAL PLANS FOR METAL ROOF DECK SIZE, GAGE, ORIENTATION AND LOCATION. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
3. UNLESS OTHERWISE NOTED THE METAL ROOF DECK THICKNESS SHALL BE 20 GAGE MINIMUM.
4. ROOF DECK SHALL BE PROVIDED WITH A MINIMUM OF 3-SPAN LENGTHS WHERE POSSIBLE. WHERE 3-SPAN CONDITION IS NOT POSSIBLE, NOTIFY THE EOR PRIOR TO FABRICATION OF THE DECK SO THAT EVALUATION OF HE LESSER SPAN CONDITION(S) CAN BE PERFORMED.
5. THE MINIMUM BEARING OF METAL DECK ON SUPPORTS SHALL BE 2" FOR DECKS 2" OR LESS DEEP AND 3" FOR 3" DEEP DECK. ATTACH METAL ROOF DECKING TO SUPPORTING STEEL MEMBERS BY WELDING AS SPECIFIED ON THE DRAWINGS AND AS RECOMMENDED BY THE DECK MANUFACTURER USING E60 OR E70 ELECTRODES. DECK WELDING SHALL BE IN COMPLIANCE WITH ANSI/AWS D1.3.
6. METAL ROOF DECK IS DESIGNED AS A HORIZONTAL DIAPHRAGM. ALL WELDS SHALL BE 5/8" PUDDLE WELDS. WELDING PATTERN AND SIDE LAP ATTACHMENTS SHALL BE IN ACCORDANCE WITH THE DRAWINGS AND TYPICAL DETAILS.
7. PROVIDE ALL REQUIRED ACCESSORIES FOR A COMPLETE PROJECT INCLUDING DECK SUPPORT ANGLES AT COLUMNS AND DECK SPAN CHANGES, COVER PLATES, CLOSURES AND SUMP PANS.
8. DO NOT SUSPEND LIGHT FIXTURES, DUCTS, BULKHEADS, OTHER UTILITIES, ETC, FROM THE STEEL ROOF DECK.
9. DECKING CONTRACTOR SHALL COORDINATE DECK OPENING SIZES AND LOCATIONS WITH THE ARCHITECTURAL AND MEP CONTRACT DOCUMENTS. PROVIDE HEADER MEMBERS OR REINFORCEMENT AS REQUIRED BY THE TYPICAL DETAILS EVEN IF NOT SHOWN ON THE PLANS, AND SHALL SUBMIT PROPOSED OPENINGS THROUGH ROOF DECK FOR REVIEW BY THE ARCHITECT / EOR.

COMPOSITE METAL DECK

1. ALL COMPOSITE METAL DECK MATERIAL, FABRICATION AND INSTALLATION SHALL CONFORM TO THE CURRENT EDITION OF THE STEEL DECK INSTITUTE (SDI) "SPECIFICATIONS AND COMMENTARY" AND "CODE OF RECOMMENDED STANDARD PRACTICE".
2. COMPOSITE DECK AND ACCESSORIES SHALL BE COLD FORMED FROM GALVANIZED STEEL SHEETS COMPLYING WITH ASTM A653-SS GRADE 33 (MINIMUM), HAVING A MINIMUM TENSILE STRENGTH OF 45,000 PSI, WITH COATING DESIGNATION G60. GALVANIZING SHALL BE THE HOT-DIP PROCESS COMPLYING WITH ASTM A924.
3. COMPOSITE DECK SHALL MEET OR EXCEED THE LOAD CAPACITIES OF VULCRAFT "VLI SERIES" COMPOSITE STEEL DECK AND SHALL CONFORM TO ALL SDI CRITERIA AND RECOMMENDATIONS. REFER TO STRUCTURAL PLANS FOR COMPOSITE DECK SIZE, GAGE, ORIENTATION AND LOCATION. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
4. UNLESS OTHERWISE NOTED THE COMPOSITE METAL DECK THICKNESS SHALL BE 20 GAGE MINIMUM.
5. COMPOSITE DECK IS DESIGNED FOR UNSHORED CONSTRUCTION TO MAXIMUM SPANS INDICATED ON THE DRAWINGS. SUBJECT TO APPROVAL BY THE ARCHITECT / EOR, PROVIDE SHORING OR HEAVIER GAGE DECK WHERE MAXIMUM SPANS ARE EXCEEDED.
6. THE MINIMUM BEARING OF COMPOSITE METAL DECK ON SUPPORTS SHALL BE 2" FOR DECKS 2" OR LESS DEEP AND 3" FOR 3" DEEP DECK. ATTACH COMPOSITE METAL DECK TO SUPPORTING STEEL MEMBERS BY WELDING AS SPECIFIED ON THE DRAWINGS AND AS RECOMMENDED BY THE DECK MANUFACTURER USING E60 OR E70 ELECTRODES. DECK WELDING SHALL BE IN CONFORMANCE WITH ANSI/AWS D1.3.
7. PROVIDE ALL REQUIRED ACCESSORIES FOR A COMPLETE PROJECT INCLUDING DECK SUPPORT ANGLES AT COLUMNS AND DECK SPAN CHANGES, COVER PLATES, CLOSURES AND SUMP PANS.
8. COMPOSITE DECK SHALL BE PROVIDED WITH A MINIMUM OF 3-SPAN LENGTHS WHERE POSSIBLE. WHERE 3-SPAN CONDITION IS NOT POSSIBLE, NOTIFY THE EOR PRIOR TO FABRICATION OF THE DECK SO THAT EVALU

REQUIRED SPECIAL INSPECTIONS AND TESTS OF CONCRETE CONSTRUCTION		
TYPE	FREQUENCY	REFERECE
1. INSPECT REINFORCING, INCLUDING PRESTRESSING AND POST TENSIONING TENDONS, AND VERIFY PLACEMENT	PERIODIC	ACI 318: CH 20, 25.2, 25.3, 26.6.1-26.6.3
2. REINFORCING BAR WELDING: A. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706 B. INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16" C. INSPECT ALL OTHER WELDS	 PERIODIC PERIODIC CONTINUOUS	AWS D1.4 ACI 318: 26.6.4
3. INSPECT ANCHORS CAST IN CONCRETE	PERIODIC	ACI 317: 17.8.2
4. INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS A. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARD INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS B. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4.A	 CONTINUOUS PERIODIC	ACI 318: 17.8.2.4 ACI 318: 17.8.2
5. VERIFY USE OF REQUIRED DESIGN MIX	PERIDOC	ACI 318 CH 19, 26.4.5, 26.4.4 IBC 1904.1, 1904.2
6. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE	CONTINUOUS	ASTM C31, ASTM C172, ACI 318: 26.5, 26.12
7. INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES	CONTINUOUS	ACI 318: 26.5
8. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES	PERIODIC	ACI 318; 26.5.3 - 26.5..5
9. INSPECT PRESTRESSED CONCRETE FOR: A. APPLICATION OF PRESTRESSING OR POST TENSIONING FORCES B. GROUTING OF BONDED PRESTRESSING OR POST TENSIONING TENDONS	 CONTINUOUS CONTINUOUS	ACI 318: 26.10
10. INSPECT ERECTION OF PRECAST CONCRETE MEMBERS	PERIODIC	ACI 318: 26.9
11. INSPECT INSTALLATION TOLERANCES OF PRECAST CONCRETE DIAPHRAGM CONNECTION FOR COMPLIANCE WITH ACI 550.5	PERIODIC	ACI 318: 26.13.1.3
12. VERIFY IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS	PERIODIC	ACI 318: 26.11.2
13. INPSECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	PERIODIC	ACI 318: 26.11.1.2(b)

REQUIRED SPECIAL INSPECTIONS AND TESTING OF STEEL DECK		
TASK	FREQUENCY	REFERENCE
PRIOR TO DECK PLACEMENT:		
1. VERIFY COMPLIANCE OF DECK AND ALL DECK ACCESSORIES WITH CONSTRUCTION DOCUMENTS, INCLUDING PROFILES, MATERIAL PROPERTIES AND BASE METAL THICKNESS	PERIODIC	AWS D1.3, SDI C, NC AND R
2. DOCUMENT ACCEPTANCE OR REJECTION OF DECK AND/OR ACCESSORIES	PERIODIC	
AFTER DECK PLACEMENT:		
1. VERIFY PROPER INSTALLATION OF STEEL DECK AND ACCESSORIES	PERIODIC	SDI C, NC AND R
2. VERIFY DECK MATERIALS ARE REPRESENTED BY APPROPRIATE MILL CERTIFICATIONS	PERIODIC	
3. DOCUMENT ACCEPTANCE OR REJECTION OF DECK AND DECK ACCESSORIES INSTALLATION	PERIODIC	
PRIOR TO WELDING:		
1. VERIFY WELDING PROCEDURE SPECIFICATION (WPS) AVAILABLE	PERIODIC	AWS D1.3, SDI C, NC AND R
2. VERIFY MANUFACTURER'S CERTIFICATIONS ARE AVAILABLE FOR WELDING CONSUMABLES	PERIODIC	AWS D1.3, SDI C, NC AND R
3. VERIFY WELDING MATERIAL TYPE AND GRADE	PERIODIC	AWS D1.3, SDI C, NC AND R
4. VERIFY WELDING EQUIPMENT IN GOOD WORKING ORDER	PERIODIC	AWS D1.3, SDI C, NC AND R
DURING WELDING:		
1. VERIFY USE OF QUALIFIED WELDERS	PERIODIC	AWS D1.3
2. VERIFY PROPER CONTROL AND HANDLING OF WELDING CONSUMABLES	PERIODIC	AWS D1.3
3. DOCUMENT ENVIRONMENTAL CONDITIONS (WIND SPEED, MOISTURE, TEMPERATURE) ARE ACCEPTABLE	PERIODIC	AWS D1.3
4. VERIFY PROPER WPS IS FOLLOWED DURING WELDING	PERIODIC	AWS D1.3
AFTER WELDING:		
1. FILED WELDING INSPECT FIELD WELDS FOR PROPER SIZE, LOCATION, PATTERN AND SPACING FOR ALL WELDS	PERIODIC	AWS D1.3, SDI C, NC AND R
2. VERIFY WELDS MEET VISUAL ACCEPTANCE CRITERIA	PERIODIC	AWS D1.3, SDI C, NC AND R
3. VERIFY DEFICIENT WELDS ARE PROPERLY REPAIRED	PERIODIC	AWS D1.3, SDI C, NC AND R
4. DOCUMENT ACCEPTANCE OR REJECTION OF WELDS	PERIODIC	AWS D1.3, SDI C, NC AND R
PRIOR TO MECHANICAL FASTENING:		
1. VERIFY MANUFACTURER INSTALLATION INSTRUCTIONS ARE AVAILABLE FOR MECHANICAL FASTENERS	PERIODIC	SDI C, NC AND R
2. VERIFY PROPER TOOLS AVAILABLE FOR FASTENER INSTALLATION	PERIODIC	SDI C, NC AND R
3. VERIFY PROPER STORAGE FOR MECHANICAL FASTENERS	PERIODIC	SDI C, NC AND R
DURING MECHANICAL FASTENING:		
1. VERIFY FASTENERS ARE POSITIONED AS REQUIRED (INCLUDING PROPER PATTERN, SPACING, ETC)	PERIODIC	SDI C, NC AND R
2. VERIFY FASTENERS ARE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS	PERIODIC	SDI C, NC AND R
AFTER MECHANICAL FASTENING:		
1. VERIFY PROPER PATTERN, SPACING, TYPE AND INSTALLATION OF SUPPORT FASTENERS	PERIODIC	SDI C, NC AND R
2. VERIFY PROPER PATTERN, SPACING, TYPE AND INSTALLATION OF PERIMETER FASTENERS	PERIODIC	SDI C, NC AND R
3. VERIFY PROPER SPACING, TYPE AND INSTALLATION OF SIDELAP FASTENERS	PERIODIC	SDI C, NC AND R
4. VERIFY DEFICIENT FASTENERS ARE PROPERLY REPAIRED	PERIODIC	SDI C, NC AND R
5. DOCUMENT ACCEPTANCE OR REJECTION OF FASTENERS	PERIODIC	SDI C, NC AND R

REQUIRED SPECIAL INSPECTIONS AND TESTS OF SOILS	
TYPE	FREQUENCY
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY	CONTINUOUS
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL	PERIODIC
3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS	PERIODIC
4. DURING FILL PLACEMENT, VERIFY USE OF PROPER MATERIALS AND PROCEDURES IN ACCORDANCE WITH THE PROVISIONS OF THE APPROVED GEOTECHNICAL REPORT. VERIFY DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL	CONTINUOUS
5. PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRAGE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY	PERIODIC
6. VERIFY BELOW-GRADE WALLS WITH UNEVEN BACKFILL CONDITIONS ARE NOT BACKFILLED UNTIL FLOOR CONSTRUCTION AT TOPS OF WALLS (OR OTHER PERMANENT BRACING WHERE APPLICABLE) IS COMPLETE OR TEMPORARY BRACING IS PROVIDED	PERIODIC

REQUIRED SPECIAL INSPECTIONS AND TESTS OF STRUCTURAL STEEL CONSTRUCTION			
TASK	FUNCTION	REFERENCE	
PRIOR TO WELDING:			
1. WELDER QUALIFICATION RECORDS AND CONTINUITY RECORDS	OBSERVE		
2. WPS AVAILABLE	PERFORM		
3. MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE	PERFORM		
4. MATERIAL IDENTIFICATION (TYPE/GRADE)	OBSERVE		
5. WELDER IDENTIFICATION SYSTEM A. FABRICATOR OR ERECTOR, AS APPLICABLE, SHALL MAINTAIN A SYSTEM BY WHICH A WELDER WHO HAS WELDED A JOINT OR MEMBER CAN BE IDENTIFIED B. DIE STAMPING OF MEMBERS SUBJECTED TO FATIGUE SHALL BE PROHIBITED UNLESS APPROVED BY THE ENGINEER OF RECORD	OBSERVE		
6. FIT-UP OF GROOVE WELDS (INCLUDING JOINT GEOMETRY) A. JOINT PREPARATIONS B. DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL) C. CLEANLINESS (CONDITION OF STEEL SURFACES) D. TACKING (TACK WELD QUALITY AND LOCATION) E. BACKING TYPE AND FIT (IF APPLICABLE)	OBSERVE	AISC 360 TABLE N5.4-1	
7. FIT-UP OF CJP GROOVE WELDS OF HSS, T-, Y-, AND K-CONNECTIONS WITHOUT BACKING (INCLUDING JOINT GEOMETRY) A. JOINT PREPARATIONS B. DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL) C. CLEANLINESS (CONDITION OF STEEL SURFACES) D. TACKING (TACK WELD QUALITY AND LOCATION)	OBSERVE		
8. CONFIGURATION AND FINISH OF ACCESS HOLES	OBSERVE		
9. FIT-UP OF FILLET WELDS A. DIMENSIONS (ALIGNMENT, GAPS AT ROOT) B. CLEANLINESS (CONDITION OF STEEL SURFACES) C. TACKING (TACK WELD QUALITY AND LOCATION)	OBSERVE		
DURING WELDING:			
1. CONTROL OF WELDING CONSUMABLES A. PACKING B. EXPOSURE CONTROL	OBSERVE		
2. NO WELDING OVER CRACKED TACK WELDS	OBSERVE		
3. ENVIRONMENTAL CONDITIONS A. WIND SPEED WITHIN LIMITS B. PRECIPITATION AND TEMPERATURE	OBSERVE		
4. WPS FOLLOWED A. SETTINGS ON WELDING EQUIPMENT B. TRAVEL SPEED C. SELECTED WELDING MATERIALS D. SHIELDING GAS TYPE/FLOW RATE E. PREHEAT APPLIED F. INTERPASS TEMPERATURE MAINTAINED (MIN/MAX) G. PROPER POSITION (F, V, H, OH)	OBSERVE	AISC 360 TABLE N5.4-2	
5. WELDING TECHNIQUES A. INTERPASS AND FINAL CLEANING B. EACH PASS WITHIN PROFILE LIMITATIONS C. EACH PASS MEETS QUALITY REQUIREMENTS	OBSERVE		
6. PLACEMENT AND INSTALLATION OF STEEL HEADED STUD ANCHORS	PERFORM		
AFTER WELDING:			
1. WELDS CLEANED	OBSERVE		
2. SIZE, LENGTH, AND LOCATION OF WELDS	PERFORM		
3. WELDS MEET VISUAL ACCEPTANCE CRITERIA A. CRACK PROHIBITION B. WELD/BASE-MEAL FUSION C. CRATER CROSS SECTION D. WELD PROFILES E. WELD SIZE F. UNDERCUT G. POROSITY	PERFORM		
4. ARC STRIKES	PERFORM		
5. VISIBLY INSPECT THE K-AREA FOR CRACKS WITHIN 3 INCHES OF THE WELD WHEN WELDING DOUBLER PLATES, CONTINUITY PLATES, OR STIFFENERS IN THE K-AREA	PERFORM	AISC 360 TABLE N5.4-3	
6. VISIBLY INSPECT WELD ACCESS HOLES IN ROLLED HEAVY SHAPES AS BUILT-UP HEAVY SHAPES AFTER WELDING FOR CRACKS	PERFORM		
7. BACKING REMOVED AND WELD TABS REMOVED (IF APPLICABLE) REPAIR ACTIVITIES	PERFORM		
8. DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER	PERFORM		
9. NO PROHIBITED WELDS HAVE BEEN ADDED WITHOUT THE APPROVAL OF THE ENGINEER OF RECORD	OBSERVE		
PRIOR TO BOLTING:			
1. MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS	PERFORM		
2. FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS	OBSERVE		
3. CORRECT FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH IF THREADS ARE TO BE EXCLUDED FROM THE SHEAR PLANE)	OBSERVE		
4. CORRECT BOLTING PROCEDURE SELECTED FOR JOINT DETAIL	OBSERVE		
5. CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS	OBSERVE	AISC 360 TABLE N5.6-1	
6. PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED	OBSERVE		
7. PROTECTED STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS, AND OTHER FASTENER COMPONENTS	OBSERVE		
DURING BOLTING:			
1. FASTENER ASSEMBLIES PLACED IN ALL HOLES, AND WASHERS AND NUTS ARE POSITIONED AS REQUIRED	OBSERVE		
2. JOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING OPERATION.	OBSERVE		
3. FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING	OBSERVE	AISC 360 TABLE N5.6-2	
4. FASTENERS ARE PRETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGE	OBSERVE		
AFTER BOLTING:			
1. DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS	PERFORM	AISC 360 TABLE N5.6-3	
GENERAL:			
1. INSPECT INSTALLATION OF ALL BASE PLATES FOR PROPER ANCHORAGE (INCLUDING WELDED PLATE WASHERS WHERE INDICATED) AND GROUTING BENEATH BASE PLATE	PERFORM		
2. INSPECT ALL COLUMN SPLICES TO CONFIRM THAT GAPS BETWEEN BEARING ELEMENTS DO NOT EXCEED 1/16-INCH	PERFORM		
3. INSPECT BEAM, GIRDER AND COLUMN MEMBERS FOR CONFORMANCE WITH REQUIRED SIZE, SPACING, AND CONNECTION REQUIREMENTS	PERFORM		
4. INSPECT ROOF AND FLOOR DECK/SLAB EDGE SUPPORT MATERIAL FOR PROPER SIZE, POSITIONING AND CONNECTIONS	PERFORM		
5. INSPECT INSTALLATION OF ALL MEMBERS AND CONNECTIONS IN BRACED FRAMES AND MOMENT FRAMES FOR PROPER SIZE, POSITIONING AND CONNECTIONS	PERFORM		

REQUIRED SPECIAL INSPECTIONS AND TESTS OF OPEN-WEB STEEL JOISTS AND JOIST GIRDERS		
TYPE	FREQUENCY	REFERECE
1. INSTALLATION OF OPEN-WEB STEEL JOISTS AND JOIST GIRDERS A. END CONNECTIONS - WELDING OR BOLTED	PERIODIC	SJI SPECIFICATIONS LISTED IN SECTION 2207.1
B. BRIDGING - HORIZONTAL OR DIAGONAL a. STANDARD BRIDGING	PERIODIC	SJI SPECIFICATIONS LISTED IN SECTION 2207.1
b. BRIDGING THAT DIFFERS FROM SJI SPECIFICATIONS LISTED IN SECTION 2207.1	PERIODIC	

REQUIRED VERIFICATION AND INSPECTION OF PRECAST CONCRETE CONSTRUCTION

ITEM	TASK	APPLICABLE TO PROJECT (Y/N)	FREQUENCY	REFERENCE
PRESTRESSED CONCRETE	INSPECT FOR PROPER APPLICATION OF PRESTRESSING FORCES	N	CONTINUOUS	ACI 318 SECTION 18.20
PRESTRESSED CONCRETE	INSPECT FOR PROPER GROUTING OF BONDED PRESTRESSING TENDONS	N	CONTINUOUS	ACI 318 SECTION 18.18.4
ERECTION OF PRECAST CONCRETE MEMBERS	VERIFY WELDING PROCEDURE SPECIFICATIONS ARE FOLLOWED	Y	PERIODIC	ACI CHAPTER 16
ERECTION OF PRECAST CONCRETE MEMBERS	INSPECT ALL CONNECTIONS OF THE PRECAST ELEMENTS TO THE PERIODIC FOUNDATIONS FOR CONFORMANCE TO THE CONTRACT DOCUMENTS	Y	PERIODIC	ACI CHAPTER 16
ERECTION OF PRECAST CONCRETE MEMBERS	INSPECT ALL CONNECTIONS OF THE PRECAST ELEMENTS TO THE PERIODIC STRUCTURAL FRAMING FOR CONFORMANCE TO THE CONTRACT DOCUMENTS	Y	PERIODIC	ACI CHAPTER 16

SPECIAL INSPECTION NOTES:

1. THE OWNER SHALL EMPLOY INDEPENDENT AGENCY(IES) OR INDIVIDUAL(S) TO PROVIDE SPECIAL INSPECTION FOR ITEMS AS INDICATED ON THE DRAWINGS.
2. SPECIAL INSPECTION IS A MANDATORY REQUIREMENT FOR VERIFYING CONFORMANCE OF THE INDICATED CONSTRUCTION. SPECIAL INSPECTION IS REQUIRED IN ADDITION TO ALL MATERIAL TESTS AND INSPECTIONS IDENTIFIED ELSEWHERE IN THE CONSTRUCTION DOCUMENTS.
3. THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON, WHO SHALL DEMONSTRATE COMPETENCE, TO THE SATISFACTION OF THE BUILDING OFFICIAL AND THE STRUCTURAL ENGINEER, FOR INSPECTION OF EACH PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION.
4. "PERIODIC" SPECIAL INSPECTION IS DEFINED AS "THE PART-TIME OR INTERMITTENT OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK HAS BEEN OR IS BEING PERFORMED AND AT THE COMPLETION OF THE WORK."
5. "CONTINUOUS" SPECIAL INSPECTION IS DEFINED AS "THE FULL-TIME OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK IS BEING PERFORMED."
6. WHERE "OBSERVE" IS IDICATED FOR THE FUNCTION, THE INSPECTOR SHALL OBSERVE THE ITESM ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS
7. WHERE "PERFORM" IS INDICATE FOR THE FUNCTION, THE INSPECTOR SHALL PERFORM THE TASK FOR EACH WELDED OR BOLTED JOINT.
8. SUBMIT TO THE STRUCTURAL ENGINEER FOR REVIEW A MINIMUM OF 14 DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION OF ELEMENTS REQUIRING SPECIAL INSPECTION THE FOLLOWING:
   A. NAME(S), ADDRESS(ES), TELEPHONE NUMBER(S), EMAIL ADDRESS(ES), AND STATEMENT(S) OF QUALIFICATIONS OF ALL SPECIAL INSPECTOR(S) TO BE ENGAGED ON THE PROJECT.
   B. A LISTING OF ALL ITEMS TO RECEIVE SPECIAL INSPECTION, DESIGNATION WHETHER INSPECTIONS WILL BE CONTINUOUS OR PERIODIC AND THE NAME OF THE INDIVIDUAL THAT WILL BE PERFORMING INSPECTION FOR EACH ITEM.
9. THE CONTRACTOR SHALL COORDINATE WITH THE SPECIAL INSPECTOR SUFFICIENTLY IN ADVANCE OF WORK REQUIRING SPECIAL INSPECTION AND SHALL PROVIDE ACCESS TO THE SITE AND TO THE CONSTRUCTION DOCUMENTS (CURRENT DRAWINGS AND SPECIFICATIONS) FOR THE SPECIAL INSPECTOR TO CARRY OUT THE REQUIRED OPERATIONS.
10. THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK REQUIRING SPECIAL INSPECTION FOR CONFORMANCE TO THE CONSTRUCTION DOCUMENTS. ALL NON-CONFORMING WORK SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION, THEN, IF UNCORRECTED, TO THE IMMEDIATE ATTENTION OF THE OWNER OR OWNER'S AGENT AND STRUCTURAL ENGINEER.
11. THE SPECIAL INSPECTOR SHALL SUBMIT PERIODIC PROGRESS REPORTS TO THE OWNER OR OWNER'S AGENT, CONTRACTOR AND STRUCTURAL ENGINEER IDENTIFYING ALL SPECIAL INSPECTION OPERATIONS PERFORMED. REPORTS SHALL BE SUBMITTED NO MORE THAN 7 DAYS FOLLOWING EACH SPECIAL INSPECTION OPERATION. REPORTS SHALL IDENTIFY THE ITEM(S) INSPECTED AND AN INDICATION OF WHETHER THE INSPECTED ITEMS WERE IN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS.
12. AT THE COMPLETION OF ALL WORK REQUIRING SPECIAL INSPECTION, THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL SIGNED REPORT TO THE OWNER OR OWNER'S AGENT, CONTRACTOR AND STRUCTURAL ENGINEER STATING WHETHER THE WORK REQUIRING SPECIAL INSPECTION WAS, TO THE BEST OF THE SPECIAL INSPECTOR'S KNOWLEDGE, IN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS.
13. FAILURE TO PERFORM SPECIAL INSPECTION FOR THE INDICATED CONSTRUCTION OR FAILURE TO CORRECT NON-CONFORMING WORK SHALL CONSTITUTE A BASIS FOR REJECTION OF THE WORK AND REMOVAL AND REPLACEMENT BY THE GENERAL CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER, INCLUDING, BUT NOT LIMITED TO:
   A. THE COST OF REMOVAL AND REPLACEMENT OF ALL WORK FOR WHICH SPECIAL INSPECTION WAS REQUIRED BUT NOT PERFORMED, INCLUDING THE COST OF TESTING AND SPECIAL INSPECTION FOR THE REPLACEMENT WORK.
   B. THE COST OF ALL RELATED WORK MADE NECESSARY BY THE REMOVAL AND REPLACEMENT OF THE UNINSPECTED WORK PER ITEM 1 ABOVE.
   C. THE COST FOR DESIGN PROFESSIONAL'S SERVICES RELATED TO ALL WORK FOR WHICH SPECIAL INSPECTION WAS REQUIRED BUT NOT PERFORMED AND SERVICES RELATED TO THE REPLACEMENT WORK.
14. SEE TABLES ON THE DRAWINGS FOR SPECIAL INSPECTION PROGRAM REQUIREMENTS.
15. SITE OBSERVATIONS PERFORMED BY MEMBERS OF THE DESIGN TEAM DO NOT CONSTITUTE SPECIAL INSPECTIONS

STUDIO VIEW ARCHITECTURE

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REGISTERED
No. PE10606070
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100% CONSTRUCTION DOCUMENTS

DEPARTMENT OF CORRECTIONS - PLAINFIELD

ICI WAREHOUSE EXPANSION

727 MOON RD. PLAINFIELD, IN 46168

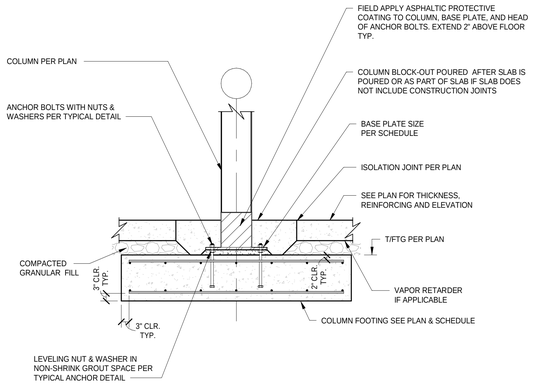
#	Revision	Date

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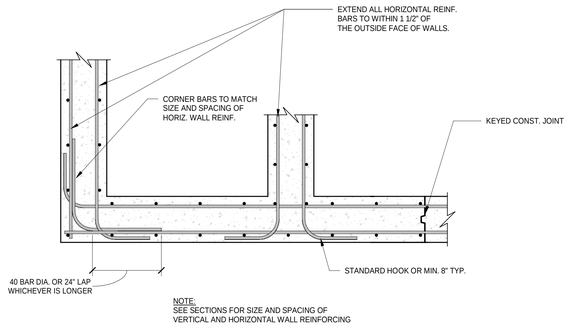
Project Number: 32011091-2026-003
Designed By: BAP
Drawn By: JCB
Checked By: BAP
DATE: 04/10/2026

SPECIAL STRUCTURAL TESTING & INSPECTION REQUIREMENTS

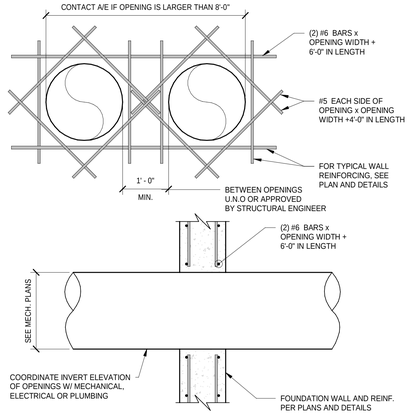
S003



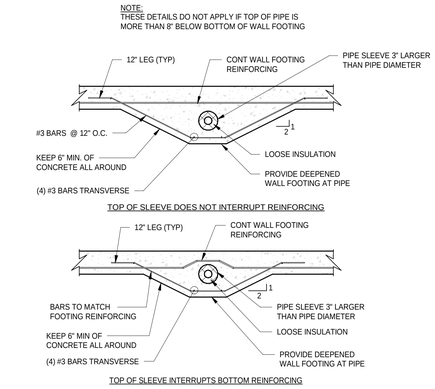
1 S004 TYPICAL COLUMN ON FOOTING DETAIL
1/2" = 1'-0"



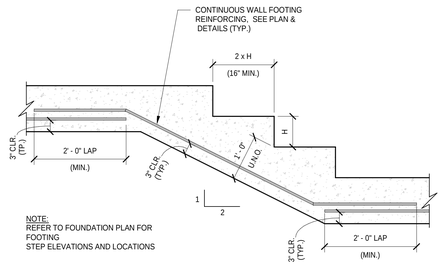
2 S004 TYPICAL CONCRETE WALL REINFORCEMENT AT CORNER AND INTERSECTION
3/4" = 1'-0"



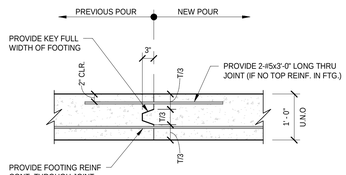
3 S004 TYPICAL FOUNDATION WALL PENETRATION DETAIL
3/4" = 1'-0"



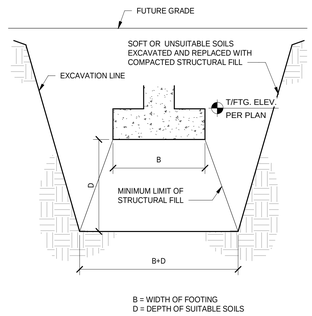
4 S004 TYPICAL PIPE SLEEVE THROUGH WALL FOOTING
3/8" = 1'-0"



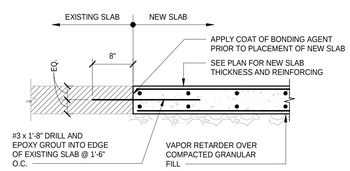
5 S004 TYPICAL STEPPED FOOTING DETAIL
3/4" = 1'-0"



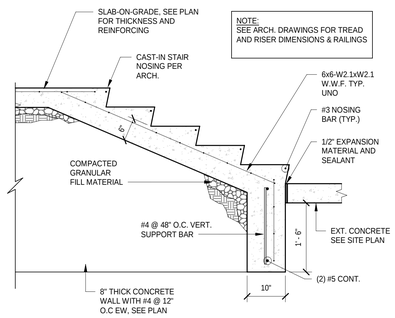
6 S004 WALL FOOTING CONSTRUCTION JOINT
3/4" = 1'-0"



7 S004 FOUNDATION UNDERCUTTING DETAIL
1/2" = 1'-0"



8 S004 TYPICAL NEW TO EXISTING SLAB-ON-GRADE TIE IN DETAIL
1" = 1'-0"



9 TYPICAL CONCRETE STAIR DETAIL
3/4" = 1'-0"

STUDIO VIEW ARCHITECTURE

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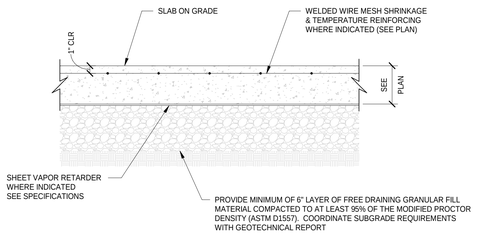
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Project Number: 32011091-2026-003
Designed By: BAP
Drawn By: JCB
Checked By: BAP
DATE: 04/10/2026

TYPICAL DETAILS

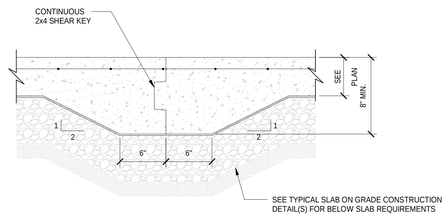
S004



NOTES:

1. SEE CONCRETE GENERAL NOTES AND SPECIFICATION FOR SLAB FINISH AND CURING REQUIREMENTS
2. SEE SPECIFICATION FOR SUBGRADE MATERIAL AND COMPACTION REQUIREMENTS.

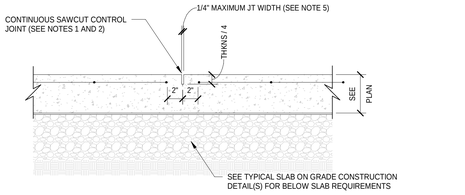
1 TYPICAL SLAB ON GRADE CONSTRUCTION
S005 1 1/2" = 1'-0"



NOTES:

1. CONTRACTOR SHALL COORDINATE CONSTRUCTION JOINTS SUCH THAT THEY COINCIDE WITH CONTROL JOINT LOCATIONS SHOWN ON PLANS. SEE PLANS FOR LOCATIONS WHERE FULL-DEPTH CONSTRUCTION JOINTS ARE REQUIRED.
2. APPLY LIQUID BONDBREAKER TO FULL DEPTH OF CONSTRUCTION JOINT.
3. PREPARE AND SEAL JOINT AS SPECIFIED IN THE PROJECT MANUAL.

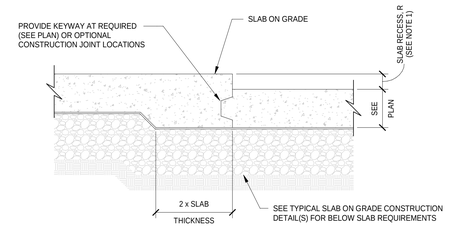
2 TYPICAL SLAB ON GRADE CONSTRUCTION JOINT
S005 1 1/2" = 1'-0"



NOTES:

1. SAWCUT JOINT AS SOON AS POSSIBLE AFTER THE CONCRETE HARDENS. THE CONCRETE IS HARD ENOUGH WHEN THE BLADE DOES NOT DISLODGE AGGREGATE, AND WHEN THE EDGES OF THE CUT DO NOT RAVEL. COMPLETE SAWCUTTING BEFORE SHRINKAGE STRESSES BECOME SUFFICIENT TO PRODUCE CRACKING.
2. PREPARE AND SEAL JOINT AS SPECIFIED IN THE PROJECT MANUAL.
3. CURLING OF THE SLAB ON GRADE WILL OCCUR AT CONTROL JOINT LOCATIONS. FOR SLABS WITH FLOOR COVERINGS, GRINDING MAY BE REQUIRED FOR PROPER INSTALLATION OF FLOOR COVERING.
4. LAYOUT CONTROL JOINT LOCATIONS BEFORE SLAB CONSTRUCTION AND DISCONTINUE ANY SLAB REINFORCING AT JOINTS.

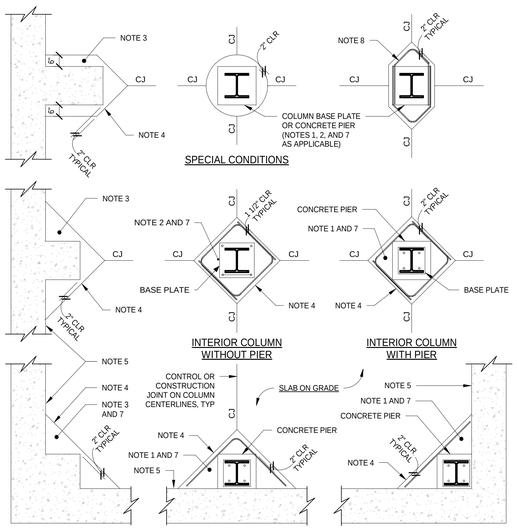
3 TYPICAL SLAB ON GRADE CONTROL JOINT
S005 1 1/2" = 1'-0"



NOTES:

1. SEE PLAN FOR SLAB RECESS LOCATIONS AND DIMENSIONS.

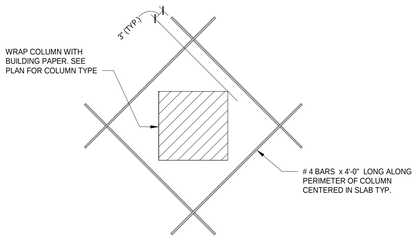
4 TYPICAL SLAB ON GRADE DEPRESSION
S005 1 1/2" = 1'-0"



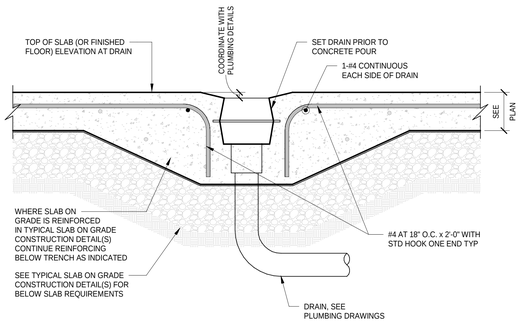
NOTES:

1. COLUMN ISOLATION SECTION: DEPTH OF CONCRETE ISOLATION SECTION TO EXTEND TO TOP OF CONCRETE PIER.
2. COLUMN ISOLATION SECTION: DEPTH OF CONCRETE ISOLATION SECTION TO EXTEND TO TOP OF FOOTING.
3. COLUMN ISOLATION SECTION: DEPTH OF CONCRETE ISOLATION SECTION TO MATCH THICKNESS OF ADJACENT SLAB ON GRADE.
4. PROVIDE BONDBREAKER BETWEEN COLUMN ISOLATION SECTIONS AND SLAB ON GRADE, UNLESS OTHERWISE NOTED. SEE PLAN FOR LOCATIONS WHERE ROUND ISOLATION JOINTS ARE REQUIRED.
5. PROVIDE BONDBREAKER BETWEEN WALL OR GRADE BEAM AND SLAB ON GRADE, UNLESS OTHERWISE NOTED.
6. "CJ" DENOTES SAWCUT CONTROL JOINT IN SLAB ON GRADE. SEE TYPICAL SLAB ON GRADE CONTROL JOINT DETAIL.
7. AT BRACED-BAY COLUMNS, ENLARGE ISOLATION SECTION AS REQUIRED SUCH THAT PORTION OF BRACING THAT PENETRATES SLAB IS COMPLETELY WITHIN ISOLATION SECTION.
8. PROVIDE (1) #4 REINFORCING IN ISOLATION SLAB AS INDICATED. LOCATE REINFORCING WITH 2" CLEAR TO TOP OF SLAB. DETAIL REINFORCING TO MATCH ISOLATION SLAB GEOMETRY, WITH STANDARD LAP LENGTHS AS REQUIRED AT BAR SPLICES (REDUCE LENGTHS AS REQUIRED BY ISOLATION SLAB GEOMETRY).

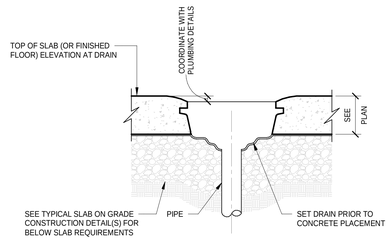
5 TYPICAL COLUMN ISOLATION JOINT
S005 3/8" = 1'-0"



8 TYPICAL SLAB ON- GRADE REINF. AT COLS. WITHOUT CONTROL JOINT
S005 3/4" = 1'-0"

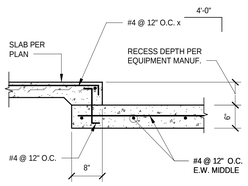


TYPICAL FLOOR TRENCH DRAIN

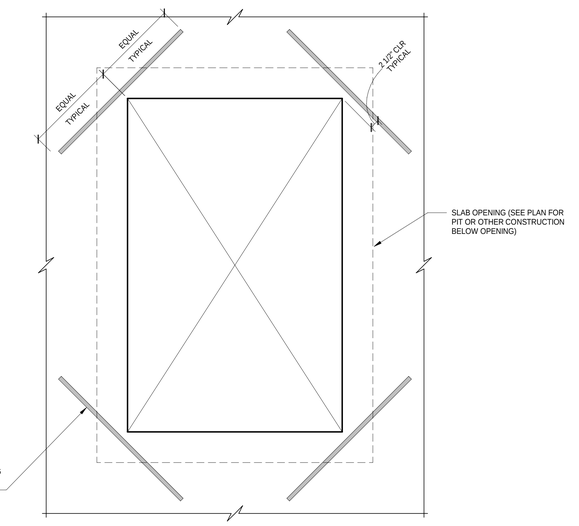


TYPICAL FLOOR DRAIN

6 TYPICAL FLOOR AND TRENCH DRAIN
S005 1 1/2" = 1'-0"



9 TYPICAL RECESSED SLAB DETAIL
S005 3/4" = 1'-0"



7 TYPICAL OPENING IN SLAB ON GRADE
S005 3/4" = 1'-0"

STUDIO VIEW ARCHITECTURE

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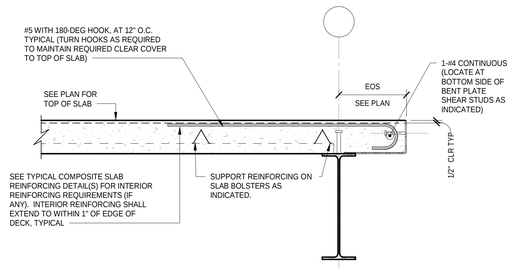
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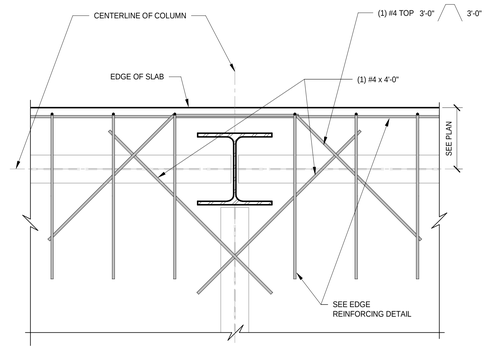
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Designed By: BAP
Drawn By: JCB
Checked By: BAP
DATE: 04/10/2026

TYPICAL DETAILS

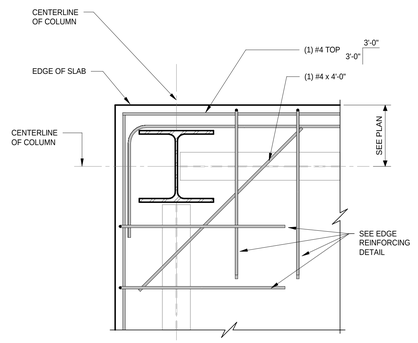
S005



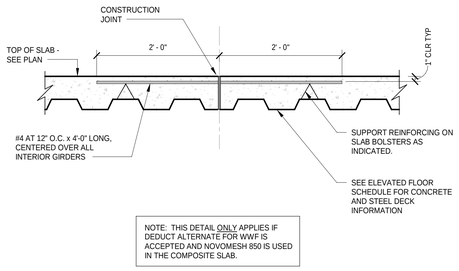
1 S006 TYPICAL COMPOSITE SLAB REINFORCING AT EDGE
1" = 1'-0"



2 S006 TYPICAL COMPOSITE SLAB REINFORCEMENT AT EDGE COLUMN
1" = 1'-0"



3 S006 TYPICAL COMPOSITE SLAB REINFORCEMENT AT CORNER COLUMN
1" = 1'-0"



4 S006 TYPICAL COMPOSITE SLAB REINFORCING DETAIL
1" = 1'-0"

STUDIO VIEW ARCHITECTURE

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TYPICAL DETAILS

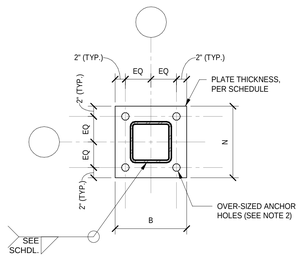
S006

STEEL BASE PLATE SCHEDULE								
MARK	TYPE	GEOMETRY				ANCHORAGE	NOMINAL GROUT THICKNESS	WELD BETWEEN BASEPLATE @ COLUMN
		LENGTH, N	WIDTH, B	THICKNESS, Tp	PLATE WASHER			
BP1	1	14"	14"	3/4"	1/4"x2"x2"	4 - 3/4" ø , 1'-0" EMBED F1554 GR 55	2"	5/16"
BP2	2	24"	24"	1 1/2"	1/2"x3-1/2"x3-1/2"	8 - 1 3/8"ø , 1'-6" EMBED F1554 GR 55	2 1/2"	5/8"

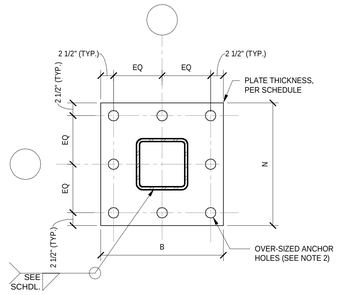
NOTES:

1. REFER TO GENERAL NOTES FOR INFORMATION PERTAINING TO STRUCTURAL STEEL CONSTRUCTION
2. REFER TO PLAN OR COLUMN SCHEDULE FOR BASE PLATE MARK.
3. REFER TO TYPICAL BASE PLATE DETAIL (THIS DRAWING) FOR BASE PLATE FABRICATION AND ATTACHMENT REQUIREMENTS.
4. ANCHOR LAYOUT SHALL MATCH BASE PLATE HOLE LAYOUT SHOWN IN TYPICAL BASE PLATE DETAIL AND GIVEN IN THIS SCHEDULE.
5. CONTRACTOR SHALL USE RIGID TEMPLATES TO SET ANCHORS IN CORRECT POSITION AND ELEVATION.
6. UNO ON PLAN, BASE PLATE AND PIER IS LOCATED AT THE CENTER OF THE COLUMN.

1 S007 BASE PLATE SCHEDULE
1" = 1'-0"



TYPE 1



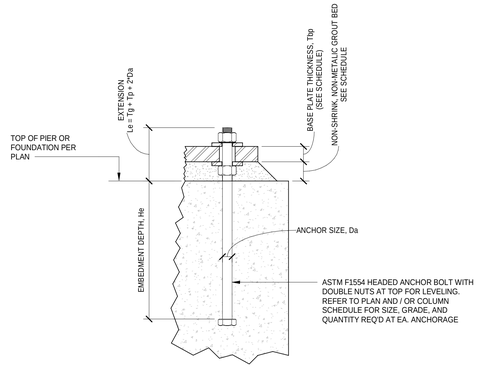
TYPE 2

NOTES:

1. REFER TO BASE PLATE SCHEDULE FOR ALL DIMENSIONS, THICKNESSES, NUMBER AND SIZE OF ANCHORS
2. PROVIDE THE FOLLOWING ANCHOR HOLE DIAMETER BASED ON ANCHOR SIZE:

   3/4" ANCHOR = 1 5/16" HOLE
   1" ANCHOR = 1 13/16" HOLE
   1 1/4" ANCHOR = 2 1/16" HOLE
   2" ANCHOR = 3 1/4" HOLE

2 S007 TYPICAL BASE PLATE DETAILS
1" = 1'-0"



3 S007 TYPICAL CAST IN ANCHOR DETAIL
1 1/2" = 1'-0"

STUDIO VIEW ARCHITECTURE

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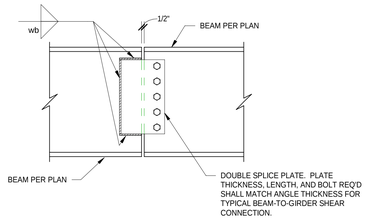
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TYPICAL DETAILS

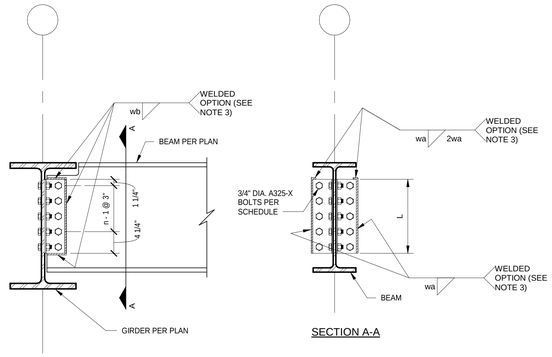
S007



NOTES:

1. SEE STRUCTURAL STEEL GENERAL NOTES FOR INFORMATION RELATED TO CONNECTION DESIGN.
2. REFER TO TYPICAL BEAM-TO-COLUMN SHEAR CONNECTION FOR PLATE THICKNESS AND LENGTH, BOLTING, AND WELDING REQUIREMENTS. CONNECTION SHALL BE BASED ON SHALLOWER BEAM.

1 S008 TYPICAL BEAM SHEAR SPLICE CONNECTION
1" = 1'-0"



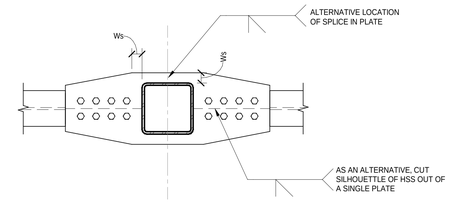
SECTION A-A

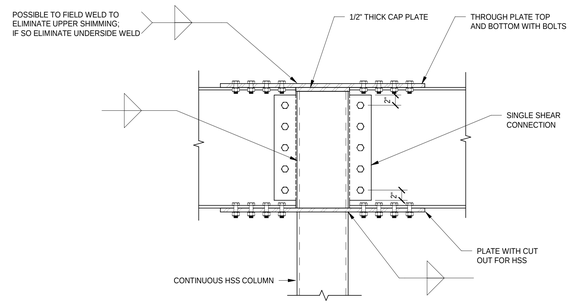
NOTES:

1. SEE STRUCTURAL STEEL GENERAL NOTES FOR INFORMATION PERTAINING TO CONNECTIONS.
2. SLAB OR ROOF DECK NOT SHOWN FOR CLARITY. REFER TO PLANS AND TYPICAL DETAILS FOR INFORMATION PERTAINING TO SLAB AND OR STEEL DECKING.
3. DOUBLE ANGLES MAY BE EITHER SHOP WELDED OR FIELD BOLTED TO BEAM OR COLUMN AT CONTRACTOR'S OPTION. DETAIL SHOWS BOTH OPTIONS - DO NOT USE WELDS AND BOLTS IN COMBINATION. CONNECTIONS SHALL NOT BE FIELD-WELDED UNLESS SPECIFICALLY INDICATED. SEE CONNECTION SCHEDULE FOR BOLTING AND WELDING REQUIREMENTS. ADD 1/2" TO "L" DIMENSION IN SCHEDULE IF WELDED OPTION(S) USED.
4. WHERE BEAM-TO-GIRDER CONNECTION IS A MOMENT CONNECTION, NUMBER OF BOLTS MAY BE REDUCED BY ONE BOLT IF NECESSARY FOR CONNECTIONS HAVING THREE OR MORE BOLTS. IF NUMBER OF BOLTS IS REDUCED, BOLTS IN CONNECTION SHALL BE 1" DIAMETER A490-N BOLTS THROUGH STD. DIA. HOLES. ANGLE THICKNESS SHALL ALSO BE INCREASED TO 3/8".
5. ALL SHEAR CONNECTION CONDITIONS WHERE THIS DETAIL IS NOT APPLICABLE OR IS NOT DESIRED BY THE CONTRACTOR SHALL BE DESIGNED AND DETAILED BY THE FABRICATOR'S ENGINEER AND ONLY AFTER EXPRESSED CONSENT OF THE ENGINEER OF RECORD.

BEAM SIZE	LENGTH OF ANGLES, L (IN)	NUMBER OF 3/4" DIA. A325-X BOLTS	WELD @ GDR. WEB, wa	WELD @ BEAM WEB, wb
W8	5 1/2"	2	1/4	1/4
W10	5 1/2"	2	1/4	1/4
W12	8 1/2"	3	1/4	1/4
W14	8 1/2"	3	1/4	1/4
W16	11 1/2"	4	1/4	1/4
W18	14 1/2"	5	1/4	1/4
W21	17 1/2"	6	1/4	1/4
W24	20 1/2"	7	1/4	1/4
W27	23 1/2"	8	1/4	1/4
W30	26 1/2"	9	1/4	5/16
W33	29 1/2"	10	1/4	5/16
W36	29 1/2"	10	1/4	5/16
W40	33 1/2"	11	1/4	5/16
W44	35 1/2"	12	1/4	5/16

2 S008 TYPICAL BEAM-TO-GIRDER SHEAR CONNECTION
1" = 1'-0"





ALL CONNECTIONS SHALL BE DESIGNED BY THE THE STEEL FABRICATOR. DETAILS INCLUDED ON THE STRUCTURAL DRAWINGS ARE PROVIDED TO SHOW CONCEPT ONLY AND ARE NOT BE CONSIDERED A FULL DESIGN.

3 S008 TYP BEAM-TO-HSS COLUMN MOMENT CONNECTION
1" = 1'-0"

BEAM	LENGTH OF PLATE, L (IN)	NUMBER OF 3/4" DIA. A325-X BOLTS
W8	6	2
W10	6	2
W12	9	3
W14	9	3
W16	12	4
W18	15	5
W21	18	6

BEAM	LENGTH OF PLATE, L (IN)	NUMBER OF 3/4" DIA. A325-X BOLTS
W24	21	7
W27	24	8
W30	24	8
W33	27	9
W36	30	10
W40	33	11
W44	36	12

4 S008 TYPICAL SHEAR PLATE CONNECTION DETAIL AT HSS COLUMN
3/4" = 1'-0"

STUDIO VIEW ARCHITECTURE

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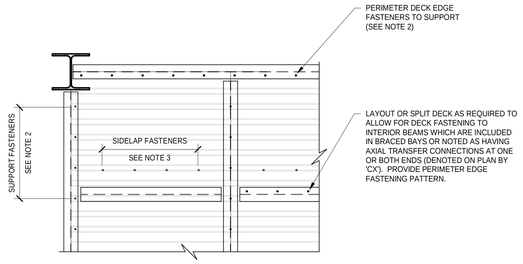
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TYPICAL DETAILS

S008

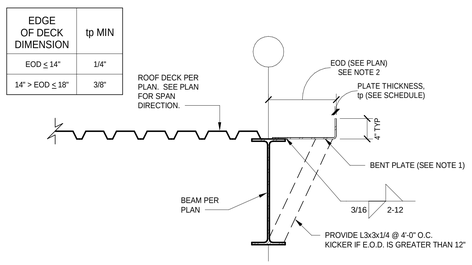


NOTES:

1. SEE GENERAL NOTES AND COMPOSITE STEEL DECKING SPECIFICATION SECTION FOR ADDITIONAL INFORMATION PERTAINING TO STEEL ROOF DECKING AND ITS ATTACHMENTS.
2. STEEL ROOF DECK FASTENERS TO STEEL FRAME SHALL BE 5/8" DIA (MIN) PUDDLE WELDS.
3. STEEL ROOF DECK SIDELAP FASTENERS SHALL BE #10 SELF-DRILLING (TEK) SCREWS, MINIMUM. PROVIDE SIDE LAP FASTENERS AT 1/3 POINTS OR 3'-0" WHICHEVER IS LESSER.

1 S009 TYPICAL ROOF DECK FASTENING REQUIREMENTS
1/2" = 1'-0"

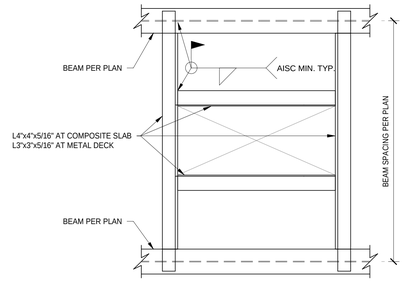
EDGE OF DECK DIMENSION	tp MIN
EOD ≤ 14"	1/4"
14" > EOD ≤ 18"	3/8"



NOTES:

1. BENT PLATE THICKENSS SHOWN IN SHEDULE IS THE VALUE TO BE USED WHEN PLATE THICKNESS IS NOT OTHERWISE NOTED IN PLAN OR DETAILS. WHEN PLATE THICKNESS LARGER THAN SCHEDULED THICKNESS IS SPECIFIED, USE THE LARGER THICKNESS WHERE DETAIL OR PLAN NOTE DESIGNATION IS APPLICABLE.
2. BENT PLATE AT EDGE OF DECK SHALL BE FIELD INSTALLED. THE "EOD" DIMENSION REFERENCED IN PLAN IS A NOMINAL DIMENSION. DUE TO TOLERANCES IN FABRICATION AND ERECTION, THE STEEL BEAM/GIRDER MAY NOT BE EXACTLY PARALLEL TO AND CENTERED ON THE GRIDLINE DEPICTED IN THE DRAWINGS. THE BENT PLATE SHALL BE FIELD ALIGNED WITH THE ARCHITECTURAL BUILDING LINE TAKING INTO ACCOUNT ALL TOLERANCES IN FABRICATION AND ERECTION.

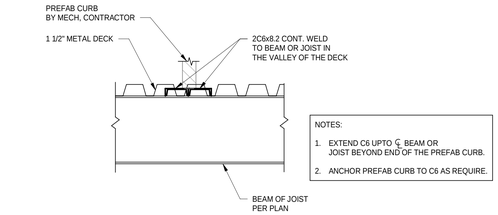
2 S009 TYPICAL ROOF EDGE DETAIL (EOD UP TO 1'-6")
1" = 1'-0"



NOTES:

1. PROVIDE STEEL FRAME AROUND ALL OPENINGS WITH ANY DIMENSION 12" OR LARGER.
2. VERIFY SIZE AND LOCATION OF OPENINGS WITH THE VARIOUS TRADES. PROVIDE STEEL FRAME AROUND THE GROUP OF ANY TWO OR MORE PIPE PENETRATIONS WITH LESS THAN 12" CLEAR BETWEEN THE PENETRATIONS. VERIFY SIZE AND LOCATION OF THE PENETRATIONS WITH THE VARIOUS TRADES.
3. SUBMIT FRAME LAYOUTS AS COORDINATED WITH OTHER TRADES FOR SIZES AND LOCATIONS FOR A/E APPROVAL.
4. PROVIDE STEEL FRAME AROUND ALL ROOF DRAINS REQUIRING METAL SUMP PAN. FOR NUMBER AND LOCATIONS OF ROOF DRAINS, SEE PLUMBING & ARCHL DWGS.

3 S009 TYPICAL FRAMED OPENING DETAIL
3/4" = 1'-0"



NOTES:

1. EXTEND C6 UPTO ℄ BEAM OR JOIST BEYOND END OF THE PREFAB CURB.
2. ANCHOR PREFAB CURB TO C6 AS REQUIRE.

4 S009 DETAIL UNDER PREFAB CURB WHEN CURB RUNS ALONG DECK VALLEY
3/4" = 1'-0"

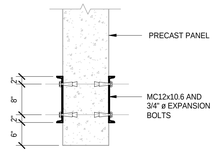
5 S009 DETAIL UNDER PREFAB CURB WHEN CURB RUNS PERPENDICULAR TO DECK SPAN
3/4" = 1'-0"

6 S009 TYPICAL BEAM BOTTOM FLANGE BRACING CONNECTION
3/4" = 1'-0"

NOTES:

1. SEE ARCH DRAWING FOR SIZE AND LOCATION OF OPENINGS.
2. INSTALL CHANNELS ON BOTH SIDES PRIOR TO CUTTING OPENING. DO NOT OVERCUT AT CORNERS.

7 S009 TYPICAL DETAIL OF NEW OPENING IN EXISTING PRECAST WALL
1/2" = 1'-0"



8 S009 SECTION
3/4" = 1'-0"

STUDIO VIEW ARCHITECTURE

BANGALORE A. PRAKASH REGISTERED No. PE10606070 STATE OF INDIANA PROFESSIONAL ENGINEER

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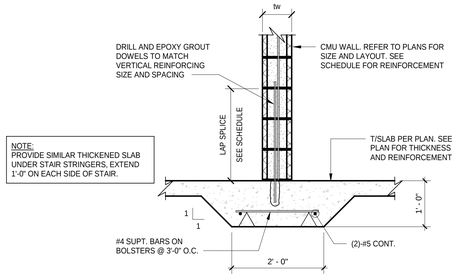
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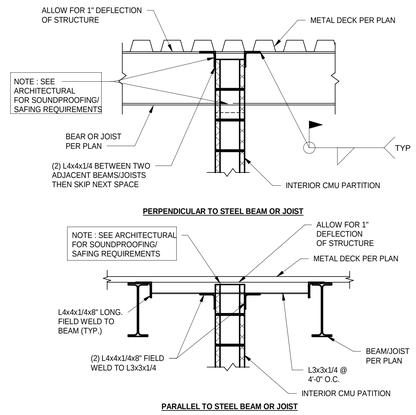
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Drawn By: JCB
Checked By: BAP
DATE: 04/10/2026

TYPICAL DETAILS

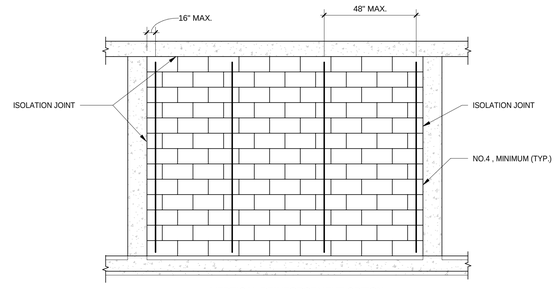
S009



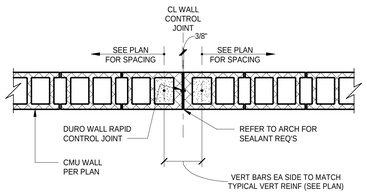
1 S010 TYPICAL CMU WALL ON SLAB ON GRADE
3/4" = 1'-0"



2 S010 TYPICAL INTERIOR CMU PARTITION SUPPORT AT STEEL
3/4" = 1'-0"



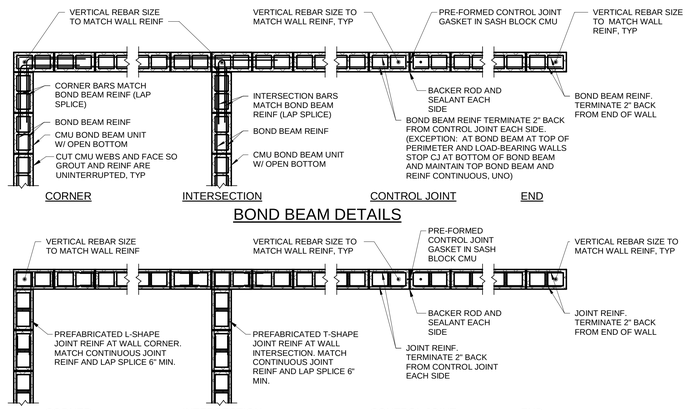
3 S010 REINFORCEMENT FOR NON LOAD BEARING ELEMENTS
3/8" = 1'-0"



NOTES:

1. JOINT SHALL BE CONTINUOUS WITHOUT INTERRUPTION FROM FOUNDATION TO TOP OF WALL.
2. HORIZONTAL REINFORCING AND BOND BEAMS SHALL BE DISCONTINUOUS AT WALL JOINT.
3. DO NOT LOCATE OVER OPENING.
4. MAXIMUM HORIZONTAL SPACING OF CONTROL JOINTS SHALL BE 29'-4"

4 S010 TYPICAL CMU CONTROL JOINT DETAIL
3/4" = 1'-0"



BOND BEAM DETAILS

JOINT REINFORCEMENT DETAILS

NOTES:

1. VERTICAL REINFORCEMENT INDICATED ON THIS DETAIL IS REQUIRED IN ADDITION TO SCHEDULED VERTICAL REINFORCEMENT, UNLESS SCHEDULED REINFORCEMENT ALREADY OCCURS AT THE INDICATED LOCATIONS.
2. PROVIDE LAPPED DOWELS INTO FOUNDATION AT ALL VERTICAL REINFORCEMENT.
3. PROVIDE HORIZONTAL JOINT REINFORCEMENT AND BOND BEAM REINFORCEMENT IN CMU WALLS IN ACCORDANCE WITH THE PROJECT DRAWINGS AND SPECIFICATIONS.

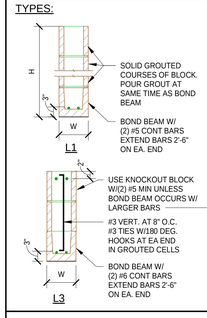
5 S010 TYPICAL CMU WALL JOINT DETAILS
1/2" = 1'-0"

PRESCRIPTIVE LINTEL SCHEDULE

GENERAL NOTE: PROVIDE LINTELS IN THIS SCHEDULE FOR MASONRY OPENINGS WHERE SPECIFIC LINTELS (L#) ARE NOT OTHERWISE INDICATED. WHERE A SPECIFIC LINTEL (L#) IS INDICATED FOR A PARTICULAR OPENING, PROVIDE THE SPECIFIC LINTEL (L#). FOR OPENINGS BEYOND THE LIMITS AND/OR MATERIALS IDENTIFIED IN THIS SCHEDULE WHERE SPECIFIC LINTELS (L#) ARE NOT OTHERWISE INDICATED, CONTACT THE STRUCTURAL ENGINEER FOR REQUIRED LINTEL SIZE AND TYPE.

SECTION	CLEAR OPENING	TYPE	NOTES
W x 8 H (NOMINAL) CMU	UP TO 4'-0"	L1	6", 8", 10", 12" CMU
W x 16 H (NOMINAL) CMU	>4'-0" UP TO 6'-0"	L2	6", 8", 10", 12" CMU
W x 24 H (NOMINAL) CMU	>6'-0" UP TO 10'-0"	L3	6", 8", 10", 12" CMU
W x 32 H (NOMINAL) CMU	REFER PLAN FOR LOCATIONS > 10'-0" UP TO 14'-0"	L4	10" CMU

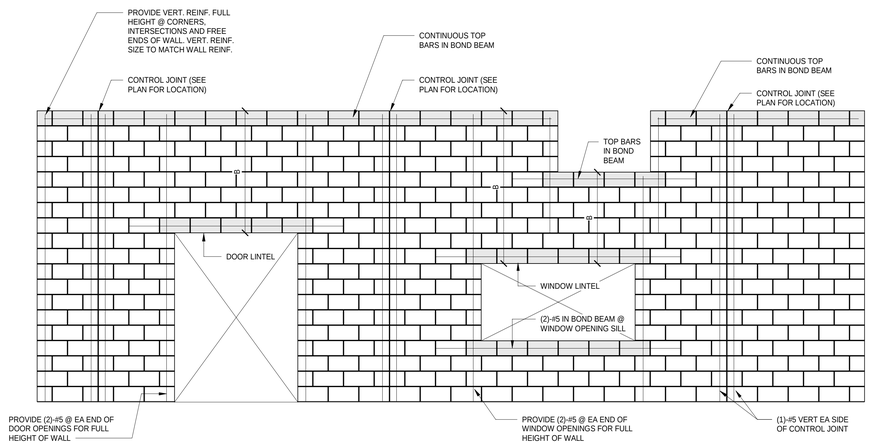
TYPES:



PRESCRIPTIVE LINTEL SCHEDULE NOTES:

1. ALL LINTELS BEAR 0'-8" ONTO SUPPORTING WALLS, UNO. BEAR LINTELS L2 THRU L4 16-IN ON EA. END.
2. ALL STEEL LINTELS IN EXTERIOR WALLS SHALL BE GALVANIZED.
3. LINTEL BLOCKS AND BOTTOM BARS TO EXTEND PAST CMU OPENING TO WIDTHS INDICATED IN SCHEDULE. CUT OUT BOTTOM SHELL OF LINTEL BLOCKS AT BEARING TO ALLOW INTEGRAL GROUTING OF LINTEL & FILLED CELLS BELOW AT BEARING .PROVIDE FILLED CELLS FULL WIDTH OF BEARINGS INDICATED WITH VERTICAL IN EACH CELL EXTENDING FROM FLOOR TO FLOOR TO ROOF. USE BAR SIZE INDICATED FOR WALL THICKNESS.
4. CONSTRUCTION JOINTS SHALL NOT OCCUR WITHIN 2" OF THE ENDS OF THE LINTEL BEARINGS.
5. LINTELS SHALL BE GROUTED SIMILAR TO WALLS. ALL GROUT MUST BE CONSOLIDATED TWICE, ONCE WITHIN 5 MINUTES OF PLACEMENTAND ONCE 15-20 MINUTES AFTER PLACEMENT.
6. AT CMU INFILL (SOAPS) AT STEEL LINTELS, PROVIDE METAL ANCHORAGE AT EVERY COURSE @ 16" OC TO TIE CMU TO STEEL.

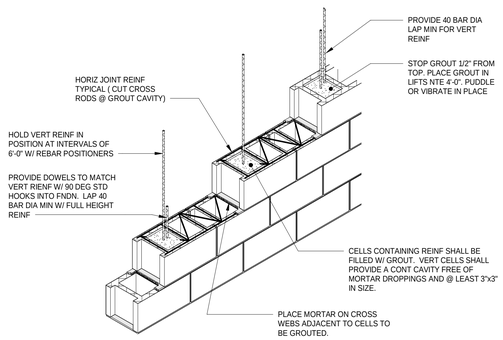
6 S010 CMU LINTEL SCHEDULE
3/4" = 1'-0"



NOTES:

1. WHERE DIMENSION "B" IS LESS THAN 1'-4" FROM TOP OF WALL, ADD (1)-#5 IN ADDITION TO REINFORCING SHOWN HERE AND CUT SECTIONS.
2. INDICATES ADDITIONAL REINFORCING REQ'D
3. INDICATES LOCATION OF BOND BEAM OR LINTEL

7 S010 TYPICAL GRAVITY CMU WALL ADD'L REINFORCING DETAIL
3/8" = 1'-0"



8 S010 TYPICAL CMU CONSTRUCTION DETAIL
3/4" = 1'-0"

STUDIO VIEW ARCHITECTURE

BANGALORE A. PRAKASH REGISTERED No. PE10606070 STATE OF INDIANA PROFESSIONAL ENGINEER

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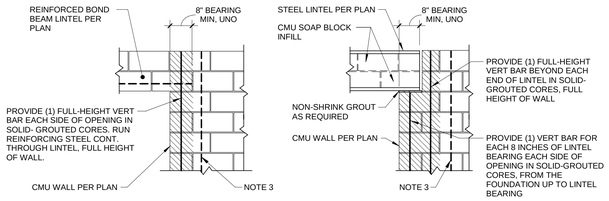
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TYPICAL DETAILS

S010



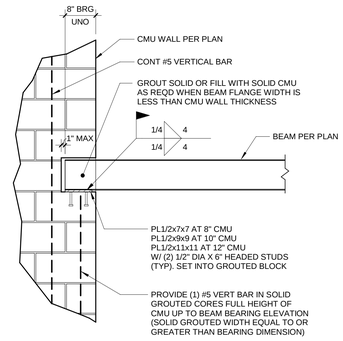
CMU BOND BEAM LINTEL

STEEL LINTEL

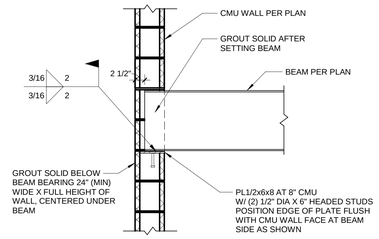
NOTES:

1. INSTALL LINTELS TO PROVIDE EQUAL BEARING LENGTH EACH SIDE OF OPENING, UNO.
2. VERTICAL BARS SHALL BE THE SAME SIZE AS TYPICAL VERTICAL WALL REINFORCEMENT, UNO.
3. FOR OPENINGS THAT INTERRUPT 2 OR MORE REGULARLY SPACED VERTICAL BARS, PROVIDE ONE ADDITIONAL FULL-HEIGHT BAR @ 8" OC ADJACENT TO EACH JAMB FOR EVERY 2 BARS INTERRUPTED BY THE OPENING.

1 S011 TYPICAL LINTEL BEARING DETAILS
3/4" = 1'-0"



2 S011 TYPICAL LINTEL BEARING DETAIL
3/4" = 1'-0"



3 S011 TYPICAL BEAM BEARING ON CMU WALL
3/4" = 1'-0"

MASONRY REINFORCING STEEL LAP SPLICE CHART

BAR SPLICE LENGTHS

BAR	UNCOATED BARS		EPOXY-COATED BARS	
	TYPE 1.0LD	TYPE 1.5LD	TYPE 1.0LD	TYPE 1.5LD
#3	20"	36"	29"	54"
#4	26"	48"	39"	72"
#5	32"	60"	48"	90"
#6	39"	72"	58"	108"
#7	45"	84"	68"	126"
#8	52"	96"	77"	144"
#9	58"	109"	87"	164"

NOTES:

1. ALL SPLICES ARE TYPE 1.0LD, UNO.
2. BARS LARGER THAN #9 ARE REQUIRED TO BE SPLICED BY MECHANICAL CONNECTORS, UNO.
3. SPLICES BASED ON f's = 32,000 PSI AND f'm >= 1500 PSI.
4. ALL BARS ARE UNCOATED, UNO.
5. USE EPOXY-COATED BARS ONLY IN PARKING STRUCTURE MASONRY WHERE SPECIFICALLY INDICATED, UNO.

4 S011 MASONRY LAP SPLICE TABLE
3/4" = 1'-0"

STUDIO VIEW ARCHITECTURE

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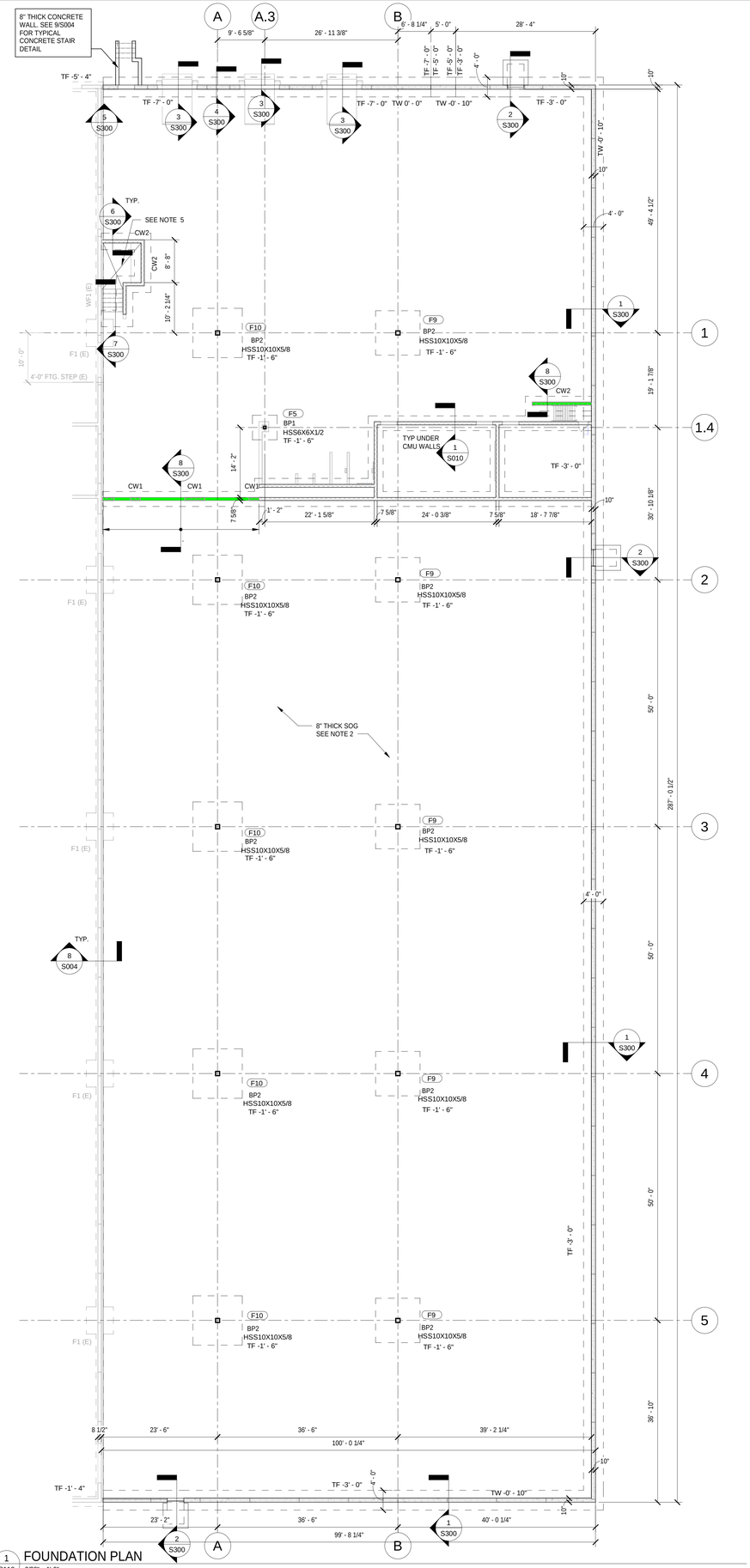
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TYPICAL DETAILS

S011



1 S110 FOUNDATION PLAN
3/32" = 1'-0"

COLUMN FOOTING SCHEDULE

MARK	FOOTING SIZE (W x L x D)	FOOTING REINFORCEMENT		REMARKS
		BOTTOM	TOP	
F5	5'-0" x 5'-0" x 1'-6"	8#5 E.W		PROVIDE 90 DEG STANDARD HOOKS ON BOTH ENDS
F9	9'-0" x 9'-0" x 2'-0"	8#7 E.W	8#7 E.W	
F10	10'-0" x 10'-0" x 2'-0"	9#7 E.W	9#7 E.W	

CMU WALL SCHEDULE

MARKS	VERTICAL REINFORCEMENT
CW1	#5 @ 16" O.C. (GROUT ALL CELLS)
CW2	#5 @ 24" O.C.
CW3	#4 @ 48" O.C.
UNO CMU WALL SHALL BE CW3	

ROOF DIAPHRAGM AND FOUNDATION DESIGNS CONSIDER ALL PRECAST PANELS TO BE PART OF THE BUILDING'S LATERAL SYSTEM.

1. **FLOOR FINISH**
   1. FINISHING OF SLABS: AFTER SCREEDING, BULL FLOATING AND FLOATING OPERATIONS HAVE BEEN COMPLETED, APPLY FINAL FINISH AS INDICATED BELOW.
      a. FLOOR SLABS ..... HARD TROWEL FINISH
      b. SLIP RESISTANT SURFACES ..... BROOM FINISH
2. **FLOOR LEVELNESS/FLATNESS:**
   2. FINISH SLABS ON GRADE TO THE FOLLOWING TOLERANCES:
      OVERALL VALUES: FF=50 FL=35
      LOCAL VALUES: FF=30 FL=20
   3. ALL SLABS SHALL BE SEALED WITH ASHFORD FORMULA OR APPROVED EQUIVALENT IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

SLAB ON GRADE ALLOWABLE LOADING CONDITIONS

THE 8" REINFORCED SLAB ON GRADE HAS BEEN DESIGNED FOR THE FOLLOWING ALLOWABLE LOADING CONDITIONS. MORE THAN ONE CONDITION SHALL NOT BE APPLIED SIMULTANEOUSLY TO THE SAME SLAB AREA.

1. **UNIFORM LOAD:** 750 PSF
2. **LIFT TRUCK:** MAXIMUM WEIGHT OF TRUCK + LOAD = 25,450 lb (ASSUMED: SOFT LOAD WHEELS 14" DIA. x 8" WIDE, 48" APART. TRUCKS WITH SMALLER OR MORE CLOSELY SPACED LOAD WHEELS MAY REQUIRE A SMALLER MAXIMUM LOAD. CONTACT ENGINEER FOR ADDITIONAL INFORMATION.)
3. **STORAGE RACK SYSTEM:** MAXIMUM POST LOAD = 12,500 lb (ASSUMED: POST SPACING = 40" x100" w/BACK TO BACK SPACING OF ADJACENT RACK POSTS = 12". POST BASE PLATE: 4"x3"x3/8" THICK. DIFFERENT RACKING LAYOUT MAY REQUIRE A SMALLER MAXIMUM POST LOAD. CONTACT ENGINEER FOR ADDITIONAL INFORMATION.)

THE ABOVE ALLOWABLE LOADING CONDITIONS ARE BASED ON 8" THICK REINFORCED SLAB OF CLASS B CONCRETE, MINIMUM CONCRETE FLEXURAL STRENGTH = 700 PSI, MINIMUM SUBGRADE MODULUS = 80 PCI.

PLAN NOTES:

1. FOR GENERAL NOTES AND TYPICAL DETAILS SEE SHEET S-001 TO S-011.
2. UNLESS NOTED OTHERWISE SLAB ON GRADE SHALL BE 8" THICK WITH #4@12" O.C. TOP & BOTTOM ON THE VAPOR RETARDER OVER 8" COMPACTED GRANULAR FILL ON PROOF ROLLED SUB GRADE. TOP OF SLAB SHALL BE @ ELEVATION (0'-0")
3. PROVIDE THICKENED SLAB UNDER ALL THE INTERIOR CMU WALLS AS PER TYPICAL DETAIL.
4. COORDINATE LOCATION AND SIZES OF ALL WALL OPENINGS WITH ARCHITECTURAL (TYP.)
5. SLAB FOR PLATFORM SHALL BE 5" THICK WITH 6x6-W2.1xW2.1 W.W.F. ON THE CLEAN AND DRY SAND FILL.

STUDIO VIEW ARCHITECTURE

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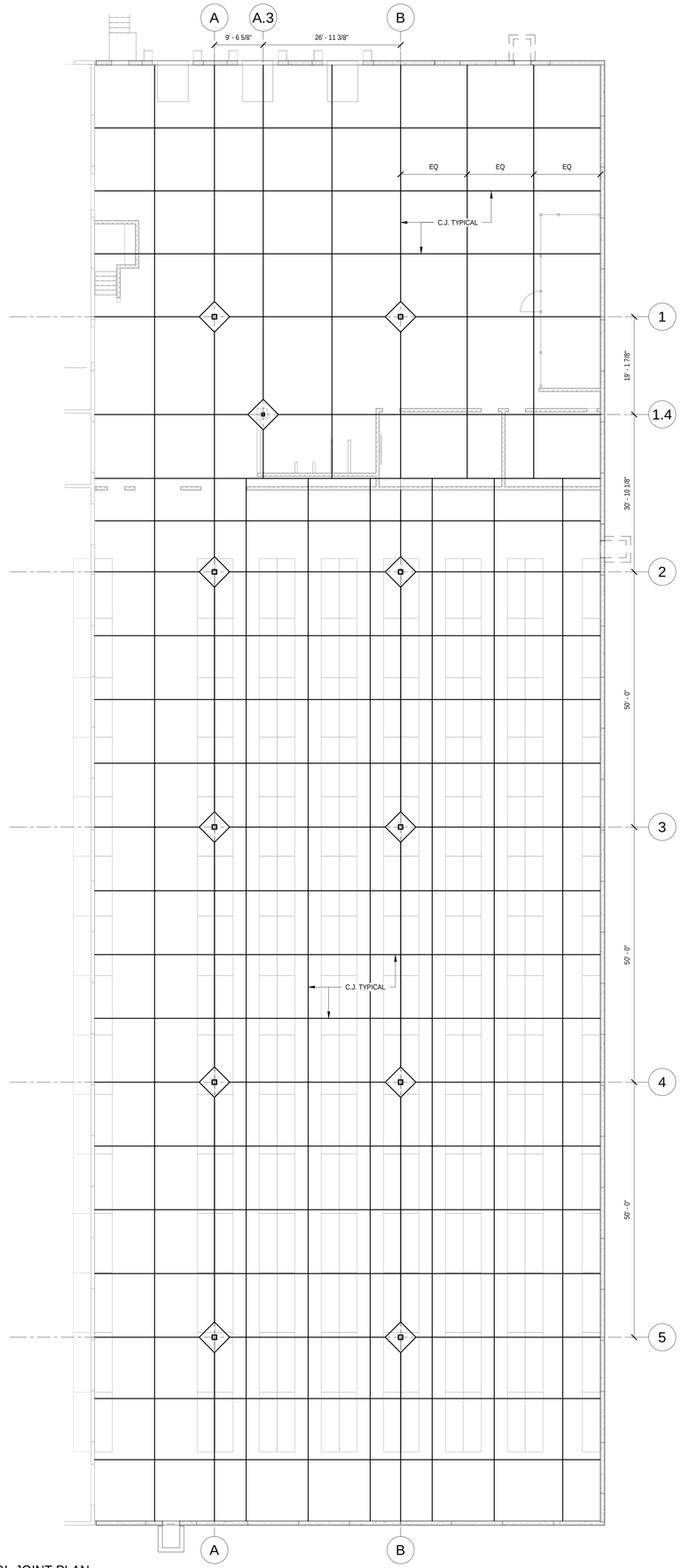
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FOUNDATION PLAN

S110



1 S115 CONTROL JOINT PLAN
3/32" = 1'-0"

PLAN NOTES:

1. FOR GENERAL NOTES AND TYPICAL DETAILS SEE SHEET S-001 TO S-011.
2. SEE S005 FOR CONTROL JOINT AND COLUMN ISOLATION JOINT DETAILS.
3. GC TO COORDINATE WITH ARCH AND OWNER FOR MAGNETIC EMBED STRIPS IN SLAB ON GRADE, TYPICAL

STUDIO VIEW ARCHITECTURE

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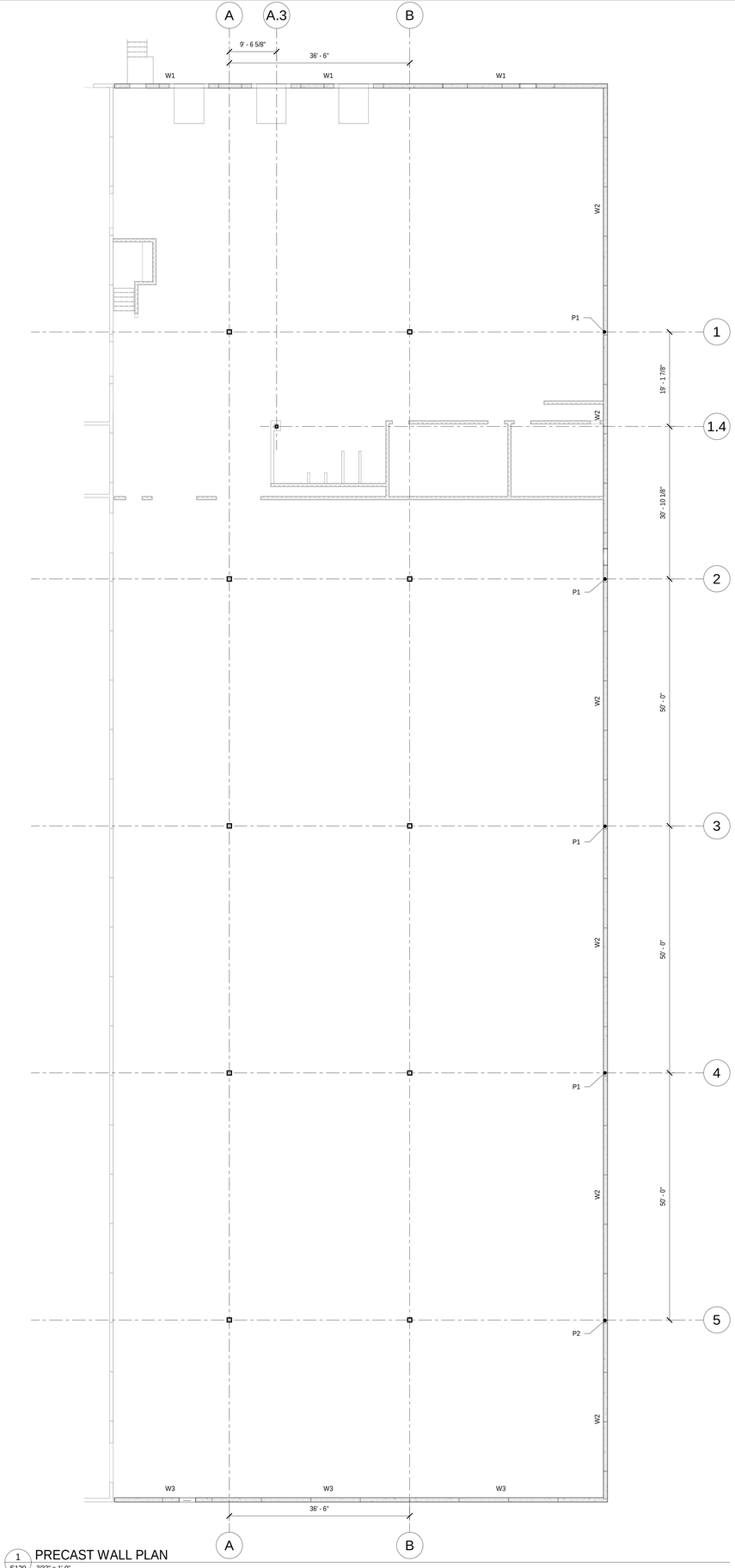
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CONTROL JOINT PLAN

S115



1 S120 PRECAST WALL PLAN
3/32" = 1'-0"

PRECAST WALL LATERAL LOAD SCHEDULE

WALL	LEVEL	SHEAR FORCE (KIPS)
W1 AND W3	ROOF	115
W2	ROOF	85
NOTE: ALL LOADS ARE LISTED ABOVE ARE ULTIMATE		

PRECAST WALL GRAVITY LOAD SCHEDULE

UNIFROMLY DISTRIBUTED LOAD				CONCENTRATED LOAD		
WALL	LEVEL	DEAD LOAD (K/FT)	LIVE LOAD (K/FT)	MARKS	DEAD LOAD (KPS)	LIVE LOAD (KPS)
W1	ROOF	SEE S130 FOR JOIST REACTIONS	SEE S130 FOR JOIST REACTIONS			
W2	ROOF	0.04	0.085	P1	25	40
				P2	25	35
W3	ROOF	SEE S130 FOR JOIST REACTIONS	SEE S130 FOR JOIST REACTIONS			
NOTE: ALL LOADS LISTED ABOVE ARE UNFACTORED. DEAD LOAD SHOWN DO NOT INCLUDE THE SELF WEIGHT OF THE WALL.						

STUDIO VIEW ARCHITECTURE

BANGALORE A. PRAKASH REGISTERED No. PE10606070 STATE OF INDIANA PROFESSIONAL ENGINEER

Design Partners:

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SUITE 300, FISHERS, IN 46038
317.617.4270 jpsconsultingenineers.com

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727 MOON RD. PLAINFIELD, IN 46168

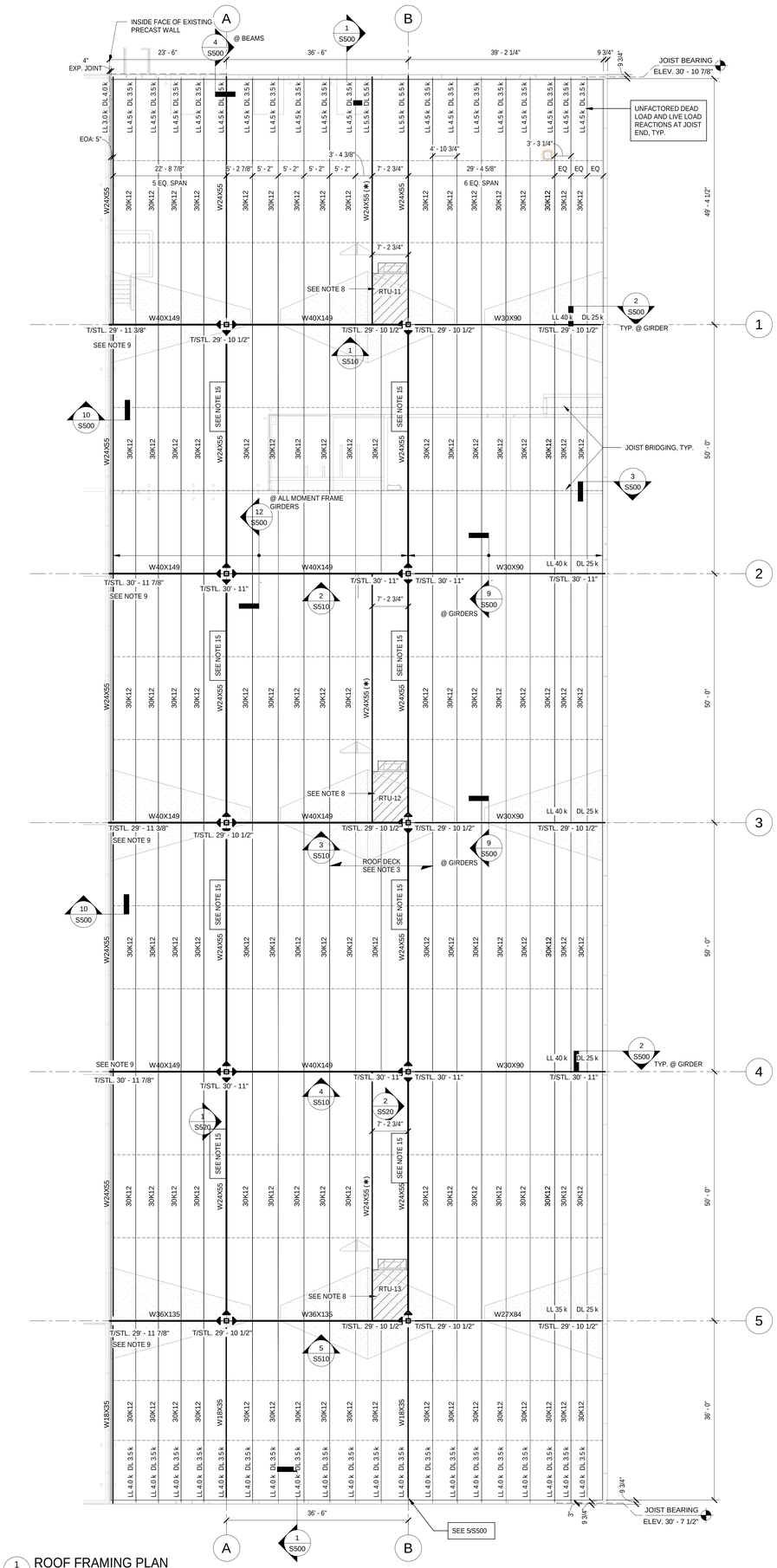
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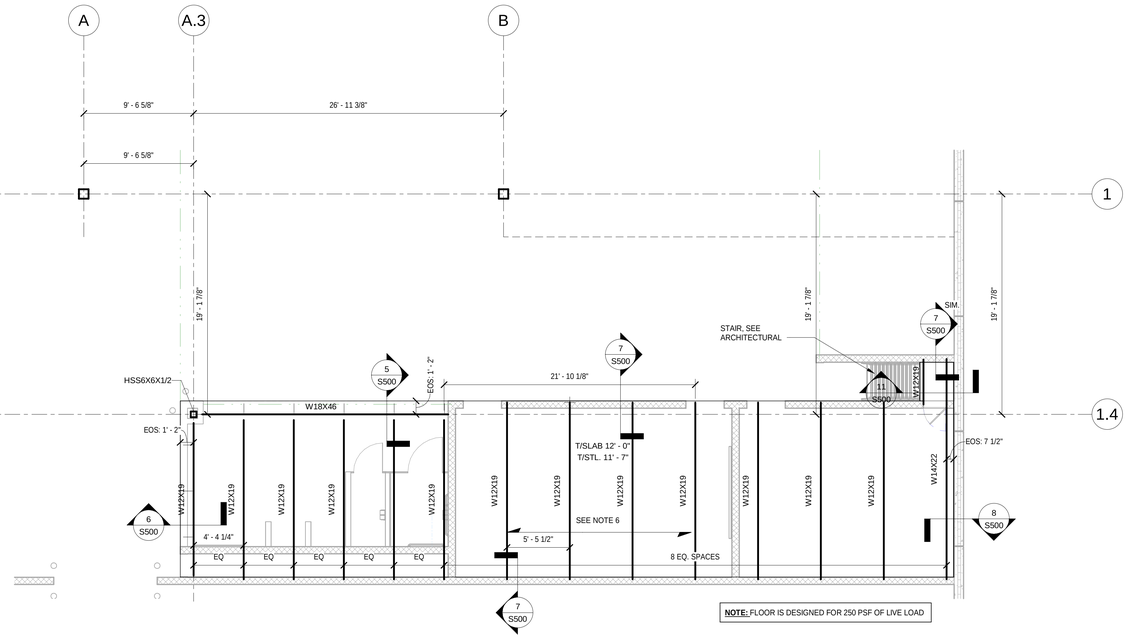
Project Number: 32011091-2026-003
Designed By: BAP
Drawn By: JCB
Checked By: BAP
DATE: 04/10/2026

PRECAST WALL DESIGN FORCES

S120



1 S130 ROOF FRAMING PLAN
3/32" = 1'-0"



2 S130 MEZZANINE FLOOR FRAMING PLAN
3/16" = 1'-0"

ROOF DIAPHRAGM AND FOUNDATION DESIGNS CONSIDER ALL PRECAST PANELS TO BE PART OF THE BUILDING'S LATERAL SYSTEM.

PLAN NOTES:

1. REFER TO SHEETS S001-S012 FOR GENERAL NOTES AND TYPICAL DETAILS.
2. THE GC SHALL COORDINATE THE SIZE AND LOCATION OF ALL PENETRATIONS WITH THE VARIOUS TRADES. PROVIDE ADDITIONAL FRAMING PER TYPICAL DETAIL ON SHEET S009.
3. THE ROOF DECK SHALL BE 3" 18 GAGE WIDE RIBBED GALVANIZED METAL DECK.
4. THE TOP OF STEEL ELEVATION SLOPES AS INDICATED ON PLAN.
5. THE JOIST MANUFACTURER SHALL BE RESPONSIBLE FOR THE DESIGN AND DETAILING OF ALL JOIST BRIDGING. THE JOIST BRIDGING SHALL DESIGN SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER IN THE STATE OF INDIANA. THE QUANTITY, SIZE, SPACING, AND ATTACHMENT OF BRIDGING SHALL BE PART OF THE JOIST MANUFACTURERS DESIGN.
6. THE SLAB SHALL BE 3" NORMAL WEIGHT CONCRETE OVER 2" 20 GAGE GALVANIZED COMPOSITE METAL DECK REINFORCED WITH 6x6 W2.1xW2.1 WWF.
7. TOP OF ALL BEAMS PARALLEL TO JOISTS SHALL BE IN THE SAME PLANE AS THE TOP OF ADJACENT JOIST.
8. BEAMS BEARING AN ASTERISK (✱) SYMBOL SHALL BE LOCATED BELOW THE MECHANICAL UNITS. COORDINATE THE EXACT LOCATION OF MECHANICAL UNITS WITH MEP.
9. TO ALLOW FOR DEAD LOAD DEFLECTION, TOP OF FREE END OF THE BEAM SHALL BE @ ELEV. AS NOTED AND TOP OF THE BEAM IN LINE 'A' SHALL BE @ ELEV. AS NOTED IN THE PLAN.
10. IN MASONRY WALL PROVIDE CMU LINTEL AS PER SCHEDULE 6/S010.
11. DL X.X k INDICATES THE UNFACTORED JOIST END DEAD LOAD REACTION FOR PRECAST EMBED DESIGN.
12. LL X.X k INDICATES THE UNFACTORED JOIST END LIVE LOAD REACTION FOR PRECAST EMBED DESIGN
13. ALL PRECAST WALL AND WALL PANEL CONNECTION'S TO THE ROOF STRUCTURE MUST BE DESIGNED TO CARRY THE GRAVITY END REACTION OF JOIST SHOWN IN PLAN AND LATERAL SHEAR SHOWN IN SCHEDULE.
14. OPERATING WEIGHT OF RTU-11, RTU-12 AND RTU-13 SHALL NOT EXCEED 3000 LB.
15. BRACE BOTTOM FLANGE OF THE MOMENT FRAME BEAM TO THE TOP OF ADJACENT JOIST AT EVERY 1/3rd OF SPAN. SEE 6/S-009 FOR DETAILS OF BRACING.

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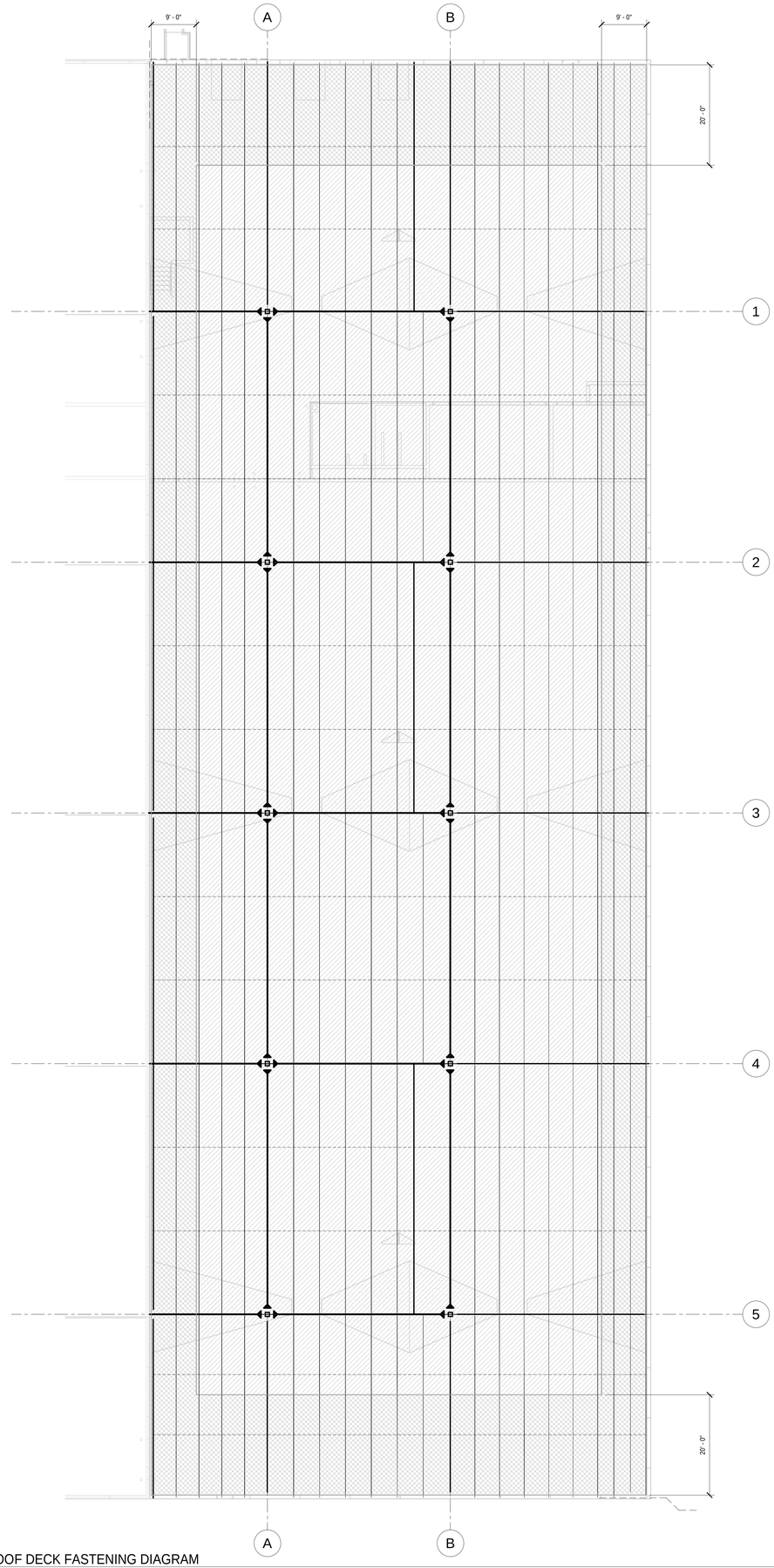
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ROOF FRAMING PLAN

S130



1 S140 ROOF DECK FASTENING DIAGRAM
3/32" = 1'-0"

STUDIO VIEW ARCHITECTURE

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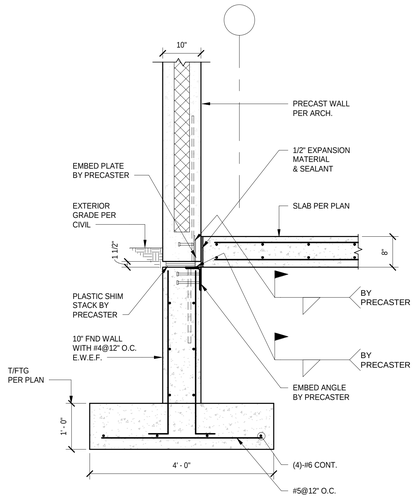
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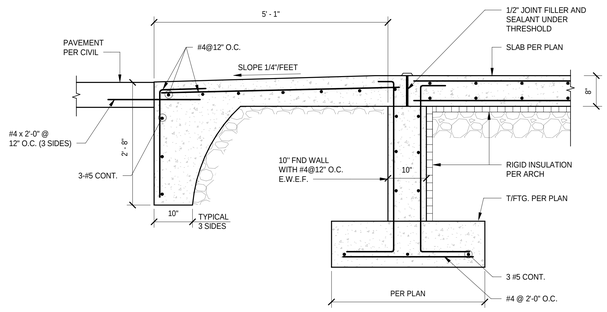
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ROOF DECK FASTENING PLAN

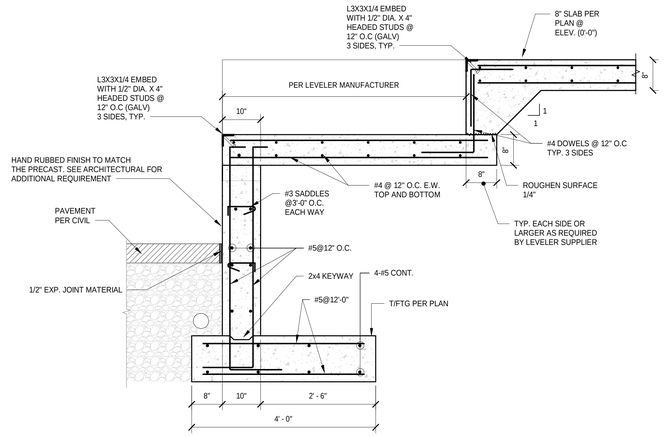
S140



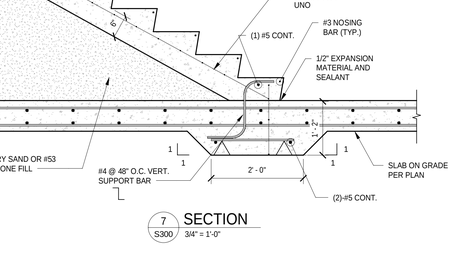
1 S300 TYPICAL PANEL TO FOUNDATION WALL
3/4" = 1'-0"



2 S300 SECTION
3/4" = 1'-0"

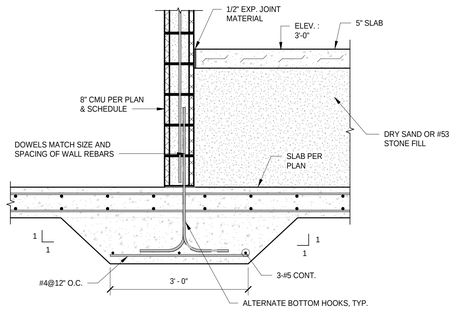


3 S300 SECTION
3/4" = 1'-0"



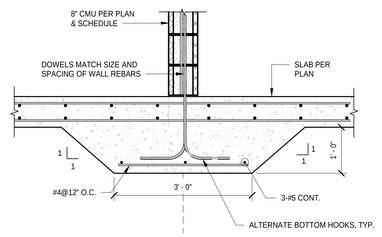
4 S300 SECTION
3/4" = 1'-0"

5 S300 ELEVATION
3/4" = 1'-0"



6 S300 SECTION
3/4" = 1'-0"

7 S300 SECTION
3/4" = 1'-0"



8 S300 SECTION
3/4" = 1'-0"

STUDIO VIEW ARCHITECTURE

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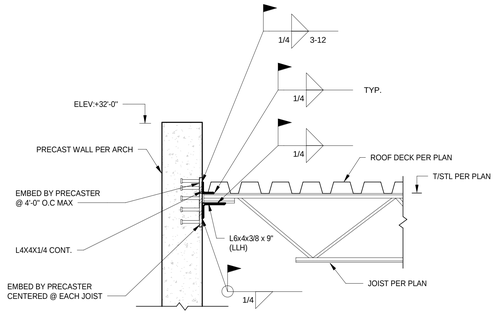
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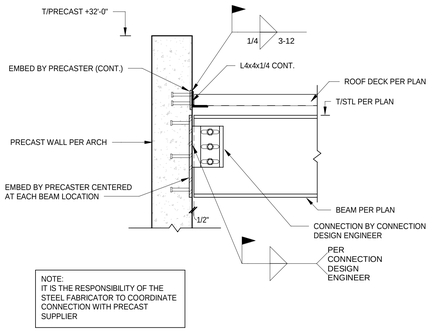
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FOUNDATION SCHEDULE AND DETAILS

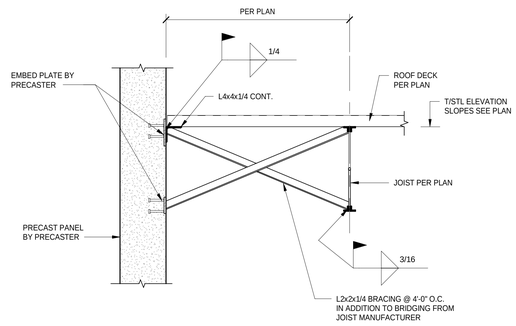
S300



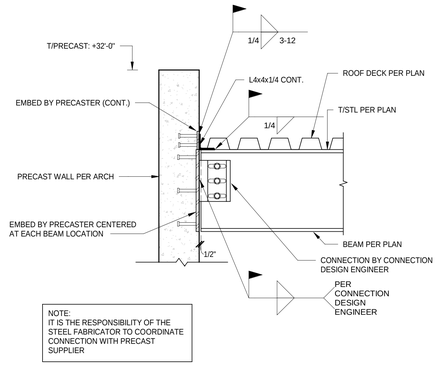
1 SECTION
S500 3/4" = 1'-0"



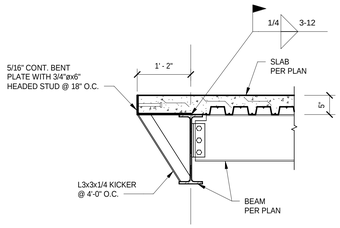
2 SECTION
S500 3/4" = 1'-0"



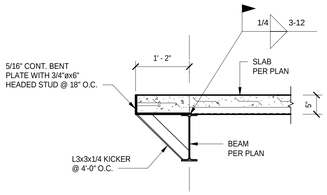
3 SECTION
S500 3/4" = 1'-0"



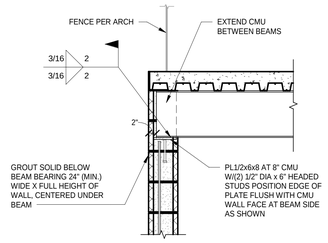
4 SECTION
S500 3/4" = 1'-0"



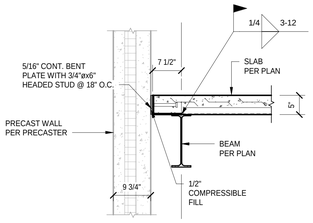
5 SECTION
S500 3/4" = 1'-0"



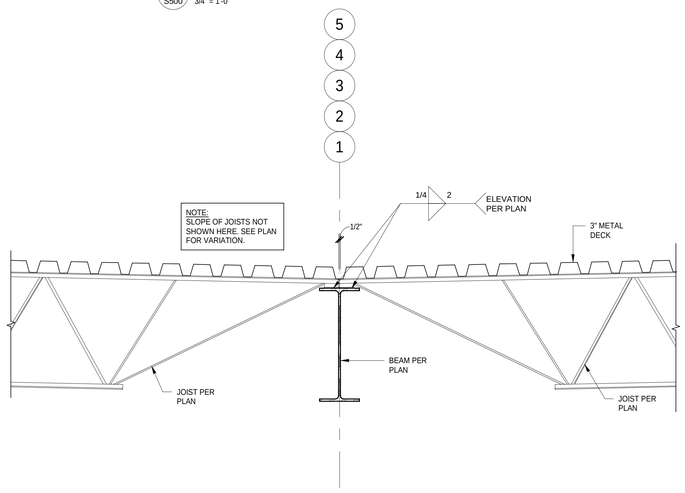
6 SECTION
S500 3/4" = 1'-0"



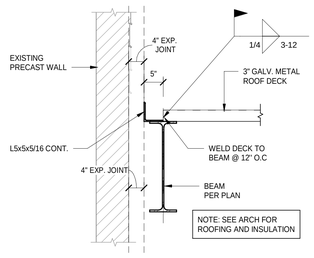
7 SECTION
S500 3/4" = 1'-0"



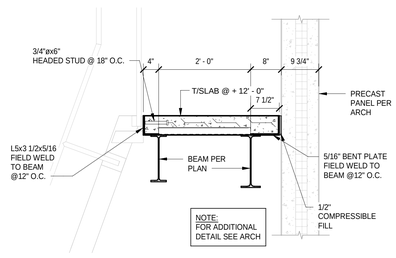
8 SECTION
S500 3/4" = 1'-0"



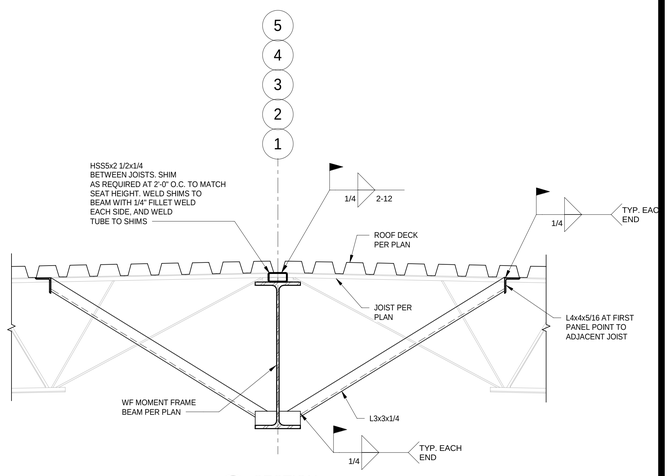
9 SECTION
S500 3/4" = 1'-0"



10 SECTION
S500 3/4" = 1'-0"



11 SECTION
S500 3/4" = 1'-0"



12 SECTION
S500 3/4" = 1'-0"

STUDIO VIEW ARCHITECTURE

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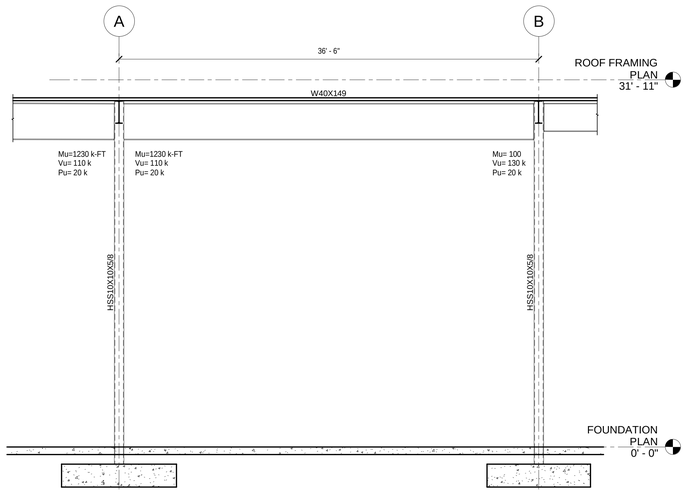
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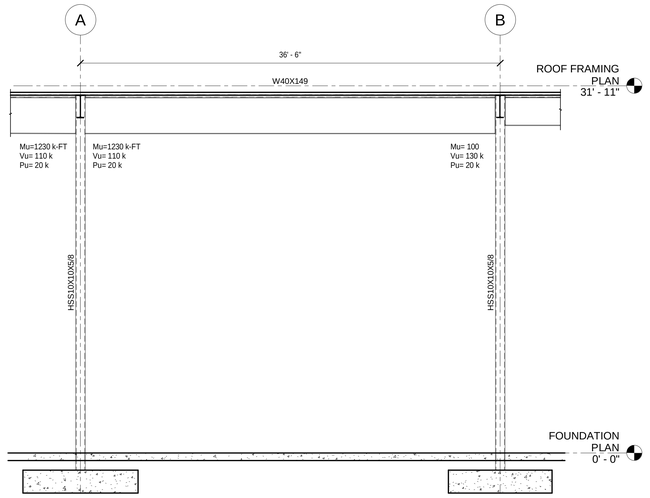
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DATE: 04/10/2026

FRAMING SECTIONS AND DETAILS

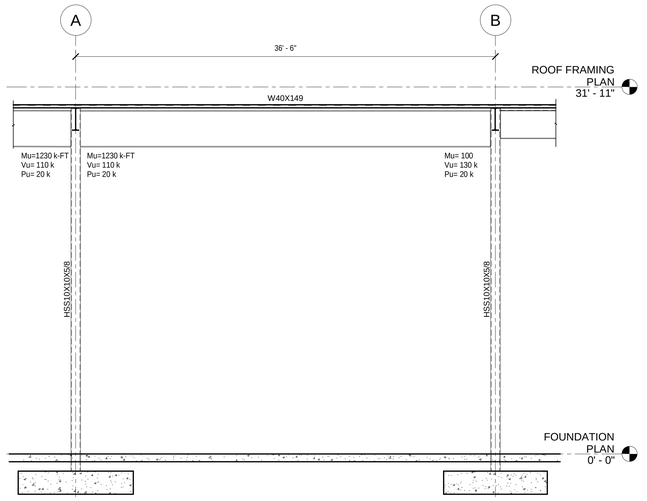
S500



1 S510 MF ALONG GRID 1
3/16" = 1'-0"



2 S510 MF ALONG GRID 2
3/16" = 1'-0"



3 S510 MF ALONG GRID 3
3/16" = 1'-0"

4 S510 MF ALONG GRID 4
3/16" = 1'-0"

5 S510 MF ALONG GRID 5
3/16" = 1'-0"

FRAME NOTES:

1. ALL CONNECTIONS SHALL BE DESIGNED AND DETAILED BY THE STEEL FABRICATOR.
2. ALL CONNECTIONS DESIGN CALCULATIONS SHALL BE SIGNED AND STAMPED BY A CERTIFIED PROFESSIONAL ENGINEER AND MUST BE SUBMITTED FOR ENGINEERS REVIEW.
3. THE CONNECTION PLATES SHALL HAVE A MINIMUM THICKNESS OF 3/8 INCHES.
4. AS A MINIMUM, ALL CONNECTIONS SHALL BE DESIGNED FOR MOMENT, SHEAR AND AXIAL FORCES AS INDICATED ON THE DRAWINGS.
5. CONNECTION FORCES INDICATED ON THE DRAWINGS ARE BASED ON LRFD LOAD COMBINATIONS.
6. SEE PLAN FOR COLUMN ORIENTATION.
7. NO WEB DOUBLER PLATES ARE REQUIRED.
8. PROVIDE CONTINUITY PLATES AT ALL MOMENT FRAME JOINTS.

STUDIO VIEW ARCHITECTURE

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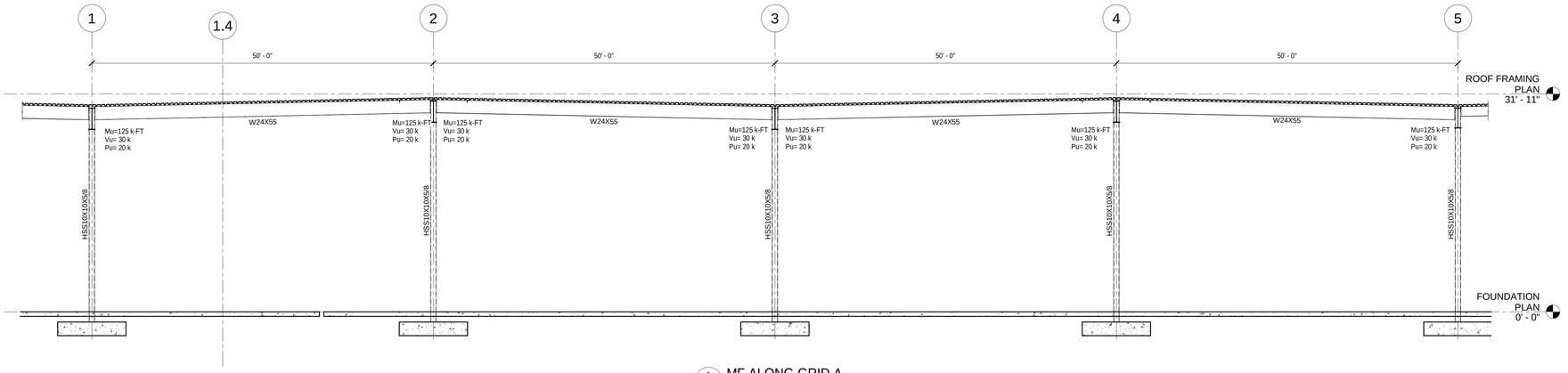
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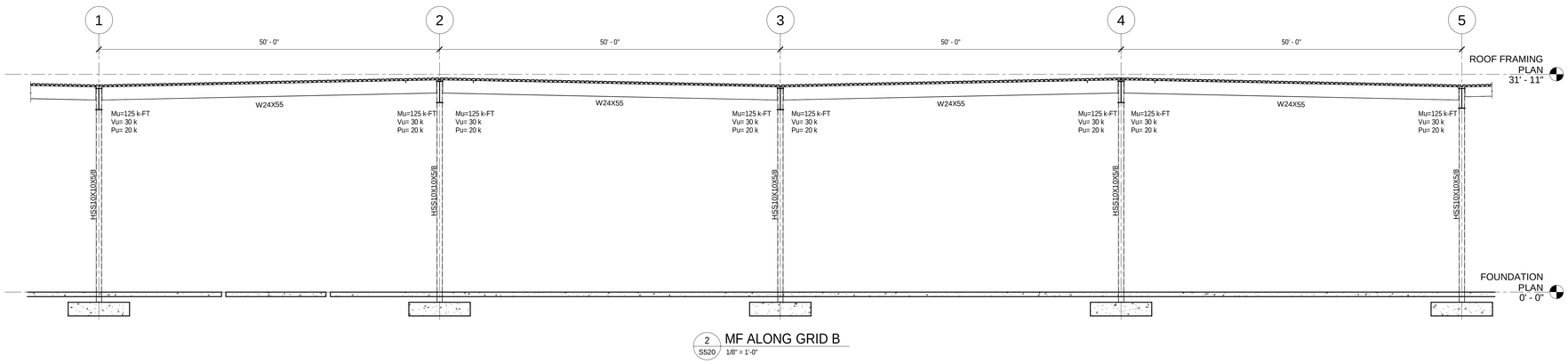
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MOMENT FRAME ELEVATIONS

S510



1 S520 MF ALONG GRID A
1/8" = 1'-0"



2 S520 MF ALONG GRID B
1/8" = 1'-0"

FRAME NOTES:

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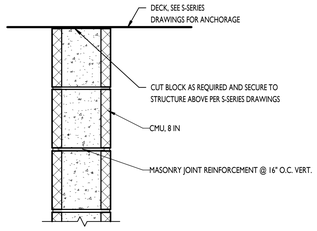
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MOMENT FRAME ELEVATIONS

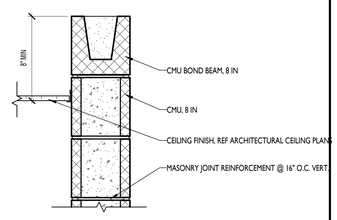
S520

ABBREVIATIONS

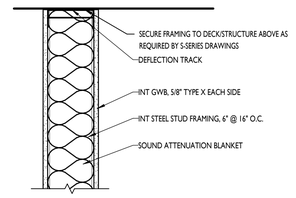
A LABEL	Class A door	GA	gauge	SAT	suspended acoustical tile
A/E	architect/engineer	GAL	gallon	SATC	suspended acoustical tile ceiling
ADA	Americans with Disabilities Act	GALV	galvanized	SCD	seat cover dispenser
ADD	addendum	GC	General Contractor	SCH	school
ADMIN	administration	GFRC	glass-fiber-reinforced concrete	SCHED	schedule
AFF	above finished floor	GFRG	glass-fiber-reinforced gypsum	SCHEM	schematic
ALUM	aluminum	GFRP	glass-fiber-reinforced plaster	SCWD	solid core wood door
AMT	amount	GFRP	glass-fiber-reinforced plastic	SD	smoke detector
APPROX	approximate	GL BLK	glass block	SD	soap dispenser
APT	apartment	GLU LAM	glue laminated wood	SECT	section
ARCH	Architect	GOVT	government	SF	square foot (feet)
ASI	Architect's Supplemental Instruction	GWB	gypsum wallboard	SFTWD	softwood
ASSN	association			SHR	shower
ASSY	assembly	HAZ	hazard	SHT	sheet
ASTM	American Society for Testing and Materials	HAZ MAT	hazardous materials	SIM	similar
AVE	avenue	HC	handicap	SLNT	sealant
AVG	average	HC	hose cabinet	SM	small
AWI	Architectural Woodworking institute	HCWD	hollow core wood door	SPEC	specification
		HD	hand dryer	SPKLR	sprinkler
B LABEL	Class B door	HDBD	heavy duty hardboard	SPKR	speaker
BD	board	HDO	high density overlay	SQ	square
BFC	below finished ceiling	HDW	hardware	SQIN	square inch
BFF	below finish floor	HDWD	hardwood	SQ YD	square yard
BITUM	bituminous	HM	hollow metal	SS	stainless steel
BLDG	building	HORIZ	horizontal	ST	street
BLKHD	bulkhead	HQ	headquarters	STA	station
BLVD	boulevard	HR	hour	STD	standard
BOCA	Building Officials and Code Administrators Association International	HT	height	STL	steel
		HTR	heater	STL IST	steel joist
BOT	bottom	HWY	highway	STL LNTL	steel lintel
BRG	bearing	HVAC	heating, ventalation and air conditioning	STL PL	steel plate
BRG PL	bearing plate			STL RF DK	steel roof deck
BSMT	basement	IBC	International Building Code	STL TB	steel tube
		ID	inside diameter	STL TR	steel truss
CAB	cabinet	ID	inside dimension	STOR	storage
CB	chalk board	IN	inch/ inches	STR	stair(s)
CB	ceramic base	INSTL	install	STRUCT	structural
CCTV	closed circuit television	INSTR	instrument	STRUCT	STL structural steel
CD	construction documents	INSUL	insulation, (e), (ed)	SUPP	supplement
CD	contract documents	INT	interior	SURF	surface
CEM PLAS	cement plaster			SURR	surround
CEM PLAS CLG	cement plaster ceiling			SURV	survey
CIP	cast-in-place	JAN	janitor	SUSP	suspend
CJ	construction joint	JAN CLO	janitor closet	SUSP CLG	suspended ceiling
CJ	control joint			SVC	sheet vinyl
CL	center line	KD	knock down	SVC	service
CLG	ceiling	KIT	kitchen	SWR	sewer
CLG HT	ceiling height	KO	knockout	SYS	system
CLO	closet				
CLR	clear	LAM	laminate	T&G	tongue and groove
CMU	concrete masonry unit	LAM GL	laminated glass	T/O	top of
CNTR	counter	LAQ	lacquer	TAN	tangent
CNTRTP	countertop	LAU	laundry	TB	tack board
COL	column	LAV	lavatory	TB	towel bar
CONC	concrete	LC	laundry chute	TC	terra cotta
CONC FLR	concrete floor	LDG	landing	TD	towel dispenser
CONF	conference	LED	light emitting diode	TECH	technical
CONSTR	construction	LF	linear feet (foot)	TEL	telephone
COORD	coordinate	LF INS	loose fill insulation	TEMP	temperature
CORR	corridor	LH	left hand	TEMP	temporary
CPT	carpet	LHR	left hand reverse	TEMP	tempored glass
CSI	Construction Specifications Institute	LIB	library	TER	terrazzo
CSMT	casement	LKR RM	locker room	TFA	to floor above
CSWK	casework	LN	lane	TFB	to floor below
CT	ceramic tile	LOC	location	TFF	top of finish floor
CTB	ceramic tile base	LRG	large	THK	thickness
CTF	ceramic tile floor	LT	light	THRES	threshold
CTR	center	LT GA	light gauge	THRU	through
CU FT	cubic feet	LVDR	louver door	THROUT	throughout
CU IN	cubic inch			TI	tapered insulation
CUB	cubicle	MAINT	maintenance	TOS	top of steel
CUST	custodian	MAN	manual	TOM	top of masonry
		MATL	material	TPD	toilet paper dispenser
D LABEL	Class D door	MAX	maximum	TR	towel rack
DAT	datum	MB	marker board	TRANS	tranom
db	decibel	MC	Mechanical Contractor	TRANS	transparent
DBL	double	MCH	mail chute	TS	tube steel
DBL ACT DR	double acting door	MD	metal deck	TV	television
DBL GLZ	double glaze	MDO	medium density overlay	TYP	typical
DEG	degree	MEAS	measure		
DEG C	degrees Celsius	MECH	mechanical	UBC	Uniform Building Code
DEG F	degrees Fahrenheit	MECH RM	mechanical room	UFC	Uniform Fire Code
DEL	delete	MED	medium	UL	Underwriters Laboratories
DEMO	demolition	MEL	melamine	UMC	Uniform Mechanical Code
DEPT	department	MEMB	membrane	UNO	unless noted otherwise
DET	detail	MEZZ	mezzanine	UPC	Uniform Plumbing Code
DF	drinking fountain	MFD	manufactured	UPS	uninterruptible power supply
DH	double hung (door, window)	MFG	manufacturing	UTIL	utility
DIA	diameter	MFR	manufacturer	VAR	varizon
DIAG	diagonal	MFR REC	manufacturer's recommendation	VAR	varies
DIFF	diffuser	MGT	management	VB	vinyl base
DIM	dimension	MIN	minimum	VCT	vinyl composition tile
DIR	direction	MIRR	mirror	VCT	vitrified clay tile
DISP	dispenser	MISC	miscellaneous	VEH	vehicle
DIV	division	ML	metal lath	VERT	vertical
DJ	double joist	MLDG	molding (mouldings)	VEST	vestibule
DN	down	MLWK	millwork	VIF	verify in field
DR	door	MO	masonry opening	VOL	volume
DS	down spout	MOD	modular	VP	veneer plaster
DWG	drawing	MTD	mounted	VR	vapor retarder
DWR	drawer	MTG	mounting	VTR	vent through roof
		MTL	metal	VWC	vinyl wall covering
E LABEL	Class E door	MULL	mullion	VWF	vinyl wall fabric
EA	each			W CAB	wall cabinets
EC	Electrical Contractor	NA	not applicable	W/	with
EFS	exterior finish system	NBC	National Building Code	W/O	without
EIFS	exterior insulation and finish system	NEC	National Electric Code	WB	wood base
EJ	expansion joint	NFC	National Fire Code	WC	wall covering
EL/ ELEV	elevation	NIBS	National Institute of Building Sciences	WD	wood
ELEC	electric	NIC	not in contract	WH	weep hole
ELEV	elevator	NO	number	WHSE	warehouse
EMER	emergency	NOM	nominal	WO	where occurs
ENAM	enamel	NTS	not to scale	WP	working point
ENCL	enclosure			WSCT	wainscot
ENTR	entrance	O/O	out to out	WT	weight
EOS	edge of slab	OC	on center		
EPDM	ethylene propylene diene monomer	OD	outside diameter		
EQ	equal	OD	outside dimension		
EQUIP	equipment	OFC	office		
EQUIV	equivalent	OFD	overflow drain		
ESCAL	escalator	OPNG	opening		
ESMT	easement	OPP	opposite		
EST	estimate	ORD	overflow roof drain		
ET	et cetra	ORIG	original		
EXIST	existing	OSHA	Occupational Safety and Health Administration		
EXP JT	expansion joint				
		PARG	parging		
FAB	fabric	PART	partial		
FAS	fascia	PBD	particleboard		
FAS BD	fascia board	PCT	percent		
FC	file cabinet	PERF	perforated		
FD	floor drain	PKG	package		
FDTN	foundation	PLAS LAM	plastic laminate		
FE	fire extinguisher	PLYWD	plywood		
FEC	fire extinguisher cabinet	PNL	panel		
FED	federal	PORC	porcelain		
FH	fire hose	PR	pair		
FH	fire hydrant	PREFAB	prefabricated		
FHC	fire hose cabinet	PREFIN	prefinish		
FIG	figure	PREFMD	preformed		
FIN	finish	PREP	preparation		
FIN FLR	finish floor	PRKG	parking		
FIN GR	finish grade	PROJ	project		
FIN WD	finish wood	PT	paint		
FIXT	fixture	PT CONC	post-tensioned concrete		
FLASH	flashing				
FLG	flooring	R	radius		
FLMT	flush mount	RB	resilient base		
FLR	floor	RCP	reflected ceiling plan		
FLR FIN	floor finish	RD	roof drain		
FLUT CMU	fluted concrete masonry unit	REBAR	reinforcing steel bars		
FOC	face of concrete	RECD	received		
FOF	face of finish	RECPT	receptacle		
FOM	face of masonry	REF	reference		
FOS	face of slab	REF	refrigerator		
FOUND	foundation	REINF	reinforced		
FOW	face of wall	REQ	require		
FPC	Fire Protection Contractor	REQD	required		
FR	fire resistant	REST	restroom		
FRC	fiber reinforced concrete	RFI	request for information		
FRG	fiber reinforced gypsum	RFP	request for proposal		
FRP	fiberglass reinforced plastic	RH	right hand		
FRZ	freezer	RH	right hand reverse		
FT	feet, foot	RHR	roof hatch		
FTG	footing	RM	right hand reverse		
FTR	finned tubed radiation	RO	room		
FURG	furring	RTG	rough opening		
FURN	furniture	RTU	raising		
FWC	fabric wall covering		roof top unit		



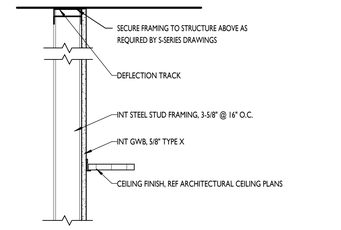
6 M8-D WALL TYPE — 1 1/2" = 1'-0" — A0.01



5 M8-C WALL TYPE — 1 1/2" = 1'-0" — A0.01



4 S6iD WALL TYPE — 1 1/2" = 1'-0" — A0.01



3 S4-D' WALL TYPE — 1 1/2" = 1'-0" — A0.01

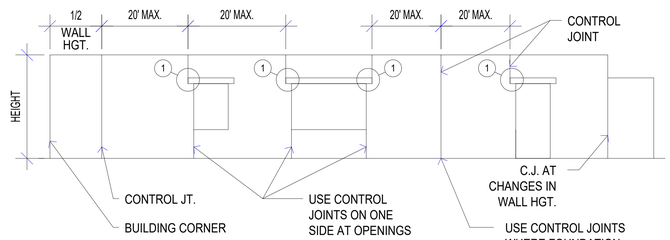
WALL SECTIONS

Exterior — E M 4 B
Core (M - Masonry, S - Metal Stud) | Facade (B - Brick, C - CMU, E - EIFS, L - Hardy Board) | Ext. Core Dim.

Interior — S 4 i D
Core | Insul. | one sided finish
Dim. To Deck

Existing — X M 4
Exist. | Dim.
Core

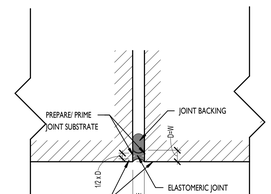
M 8 - C
Core Dim. No Insul. To Ceiling



KEYED NOTES:

1. HORIZONTAL SLIP JOINT AT CONTROL JOINT. APPLY MASON'S FLASHING, CUT BACK 1/2" FROM FACE OF BLOCK. SET FLASHING ON RAKED JOINT ON SOLID BLOCK AND SEAL.

7 TYPICAL CONTROL JOINTS — 3/16" = 1'-0" — A0.01



NOTE:
3-POINT ADHESION IS UNACCEPTABLE

1. CYLINDER JOINT BACKING DIAMETER SHOULD BE 1.5 - 2 x JOINT WIDTH.

2. TOOL SEALANT WHEN THUMB PRINT HARD.

3. CLEAN OFF ANY EXCESS MASKING MATERIALS, SEALANT OR PRIMER FROM ADJACENT CONSTRUCTION.

W = WIDTH
D = DEPTH

2 ELASTOMERIC SEALANT JOINT W/BACKING — 6" = 1'-0" — A0.01

WALL GENERAL NOTES

1. PARTITIONS ARE DISTINGUISHED ON FLOOR PLANS BY SYMBOL DESIGNATION, GRAPHIC DESIGNATION, OR A COMBINATION OF BOTH DESIGNATIONS.

2. THERE ARE TWO TYPES OF SYMBOL DESIGNATIONS, ONE FOR PARTITIONS NOT REQUIRING SOUND ATTENUATION AND ANOTHER FOR PARTITIONS WHICH REQUIRE SOUND ATTENUATION. REFER TO PARTITION MATRICES FOR SOUND ATTENUATION BLANKET (SAB) MINIMUM THICKNESS FOR STC INDICATED.

A1 A1-S

3. THE SYMBOL DESIGNATION HAS TWO CHARACTERS, THE FIRST CHARACTER IS A LETTER INDICATING THE PARTITION TYPE. THE SECOND CHARACTER IS NUMERIC INDICATING THE STUD OR CMU WIDTH. REFER TO LEGEND BELOW.

4. IF NO SYMBOL DESIGNATION IS PROVIDED, THE STUD SIZE WILL BE 3 5/8".

5. NOT ALL WALL TYPES LISTED WILL BE USED ON THIS PROJECT. REFER TO FLOOR PLANS AND NOTES FOR CORRECT WALL IDENTIFICATION & LOCATION.

6. "LINE OF STRUCTURE" INDICATED FOR EACH PARTITION IS DIAGRAMMATIC ONLY AND DOES NOT INDICATE EXACT CONSTRUCTION CONDITIONS OR GEOMETRY.

7. ALL DIMENSIONS ARE FROM FACE OF WALL STUD TO FACE OF WALL STUD. REFER WALL TYPE DETAILS FOR PARTITION WIDTH DIMENSIONS UNLESS INDICATED TO BE SHOWN ON PLAN.

8. SEALANT:
   A) FIRE RESISTANCE RATED PARTITIONS SHALL USE RATED FIRE RESISTANT FILL MATERIAL IN CONJUNCTION WITH AN APPROPRIATE RATED FIRE STOPPING SYSTEM.
   B) NON-RATED PARTITIONS SHALL USE ACOUSTICAL SEALANT.

9. ALL CMU WALLS SHALL EXTEND TO 4" MINIMUM ABOVE HIGHEST ADJACENT CEILING (UNO).

10. REFER TO 'A' SERIES DRAWINGS FOR FINAL WALL FINISHES.

11. WHERE GWB/STUD EXTENDS TO DECK OR ON ONE SIDE ONLY WITH ACOUSTICAL INSULATION, PROVIDE VAPOR BARRIER TO HOLD INSULATION IN PLACE.

12. INSULATION: - HEAD CONDITIONS AT FLOOR/ROOF DECK
   A) FIRE RESISTANCE RATED PARTITIONS SHALL USE MINERAL WOOL INSULATION.
   B) NON-RATED PARTITIONS REQUIRING SOUND ATTENUATION SHALL USE SOUND ATTENUATION BLANKETS (SAB).

13. REFER TO SPECIFICATIONS FOR MINIMUM STUD THICKNESS, MAXIMUM SPACING AND ALLOWABLE LIMITING HEIGHTS DEFLECTION CRITERIA FOR GYPSUM BOARD ASSEMBLIES.

14. FOR PARTITIONS INDICATED TO RECEIVE SOUND ATTENUATION BLANKETS (SAB), EXTEND SAFB TO FULL HEIGHT OF PARTITION UNLESS OTHERWISE INDICATED. FLOOR TRACK TO BE SET IN A CONT. BED OF SEALANT.

15. FIRE RESISTANT RATINGS ARE TO SURROUND ALL OPENINGS IN RATED PARTITIONS.

16. FIRE RESISTANT PARTITIONS SHALL EXTEND AND SEAL TO INSIDE FACE OF EXTERIOR SHEATHING, INCLUDING EXTENSIONS THROUGH SOFFITS.

17. EACH PARTITION SHOWN ON THE DRAWINGS TO HAVE A FIRE RESISTANT RATING SHALL BE IDENTIFIED AS SUCH WITH A LABEL ABOVE THE CEILING ON EACH SEGMENT OF THE WALL AND 6'-0" O.C. MAX. EACH SIDE.

18. REFER TO TOILET ACCESSORIES SHEET, AND CASEWORK SHEET FOR MOUNTING DETAIL INFORMATION.

19. REFER TO THE METAL FABRICATIONS DETAILS FOR MF REFERENCES IN PARTITION SECTIONS.

20. IN AREAS DESIGNATED TO HAVE A RATED CEILING, BUILD WALLS THAT ARE NOT INDICATED TO GO TO DECK TO UNDERSIDE OF RATED CEILING.

21. IN AREAS DESIGNATED TO HAVE A SECURITY BARRIER CEILING, BUILD WALLS THAT ARE NOT INDICATED TO GO TO DECK ONLY TO THE UNDERSIDE OF THE SECURITY BARRIER.

22. ALTHOUGH WALL STUD SIZES ARE LISTED, FOR AREAS WHERE STUDS EXTEND TO STRUCTURE ABOVE OR HIGH AREAS, CONTRACTOR TO VERIFY SIZE INDICATED IS ADEQUATE FOR HEIGHT LISTED, PROVIDE ADEQUATE SIZE STEEL STUD FRAMING & NOTIFY ARCHITECT OF ANY DISCREPANCY PRIOR TO FABRICATION/INSTALLATION.

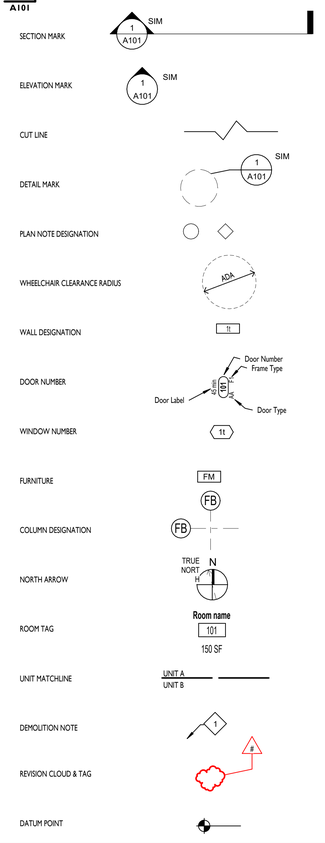
COMPONENT SYMBOLS

LIGHT FIXTURE IN CEILING GRID
RETURN AIR
SUPPLY AIR
EXIT LIGHT
SINK — DOUBLE, SINGLE, UTILITY, MOP BASIN
LAVATORY — COUNTERTOP, WALL HUNG
2 GANG, 3 GANG
TOILET — WALL HUNG, FLOOR MOUNT
URINAL
FLOOR DRAIN /TRENCH DRAIN
ACCESS PANEL
ROOF/OVERFLOW DRAIN
METAL ACCESS LADDER WITH SAFETY CAGE
EMERGENCY EYE WASH
WATER COOLER /DRINKING FOUNTAIN (ADA)

MATERIAL SYMBOLS

CONCRETE MASONRY UNIT (CMU) - SECTION
CONCRETE MASONRY UNIT - ELEVATION
FACE BRICK - SECTION
FACE BRICK - ELEVATION
EARTH
CONCRETE
PLYWOOD
METAL/STEEL
FINISHED WOOD TRIM
WOOD BLOCKING
WOOD SHIM
INSULATION (LOOSE OR BATT.)
INSULATION (RIGID)
GYPSUM BOARD / PLASTER
CONCRETE MASONRY UNIT - STACK BOND - ELEVATION
CONCRETE MASONRY UNIT - SPLIT FACE - ELEVATION
COMPACTED FILL
CARPET

REFERENCE SYMBOLS



STUDIO VIEW ARCHITECTURE

ERIC S. WEFLEN REGISTERED No. AR11500136 STATE OF INDIANA ARCHITECT

Design Partners:

100% CONSTRUCTION DOCUMENTS
DEPARTMENT OF CORRECTIONS - PLAINFIELD
ICI WAREHOUSE EXPANSION
727 MOON RD. PLAINFIELD, IN 46168

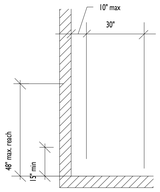
#	Revision	Date

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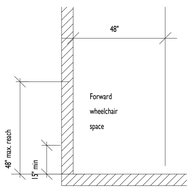
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Designed By: Designer
Drawn By: Author
Checked By: Checker
DATE: 4/10/2026 2:30:32 PM

ARCHITECTURAL GENERAL NOTES AND ABREVIATIONS

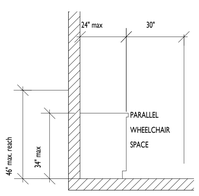
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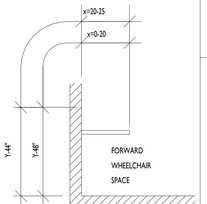
UNOBSTRUCTED
SIDE REACH LIMIT



UNOBSTRUCTED FORWARD
REACH LIMIT



OBSTRUCTED SIDE REACH LIMIT



FORWARD REACH OVER
AN OBSTRUCTION

FIGURE #3

REACH LIMITS FOR WHEELCHAIR USERS

NOTE: x-reach depth, y=reach height, z=
clear knee space, z is the clear space below the obstruction
which shall be at least as deep as the reach distance, x.

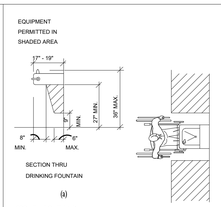
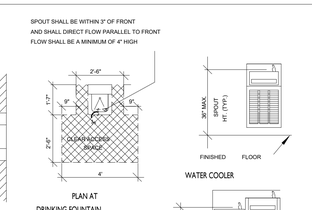


FIGURE #27

DRINKING FOUNTAIN AND WATER
COOLER MOUNTING HEIGHT



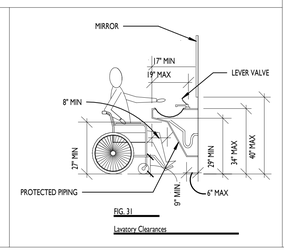


FIG. 31

Lavatory Clearances

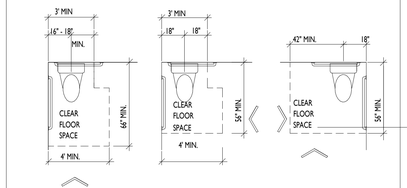


FIG. 28

CLEAR FLOOR SPACE AT WATER CLOSETS

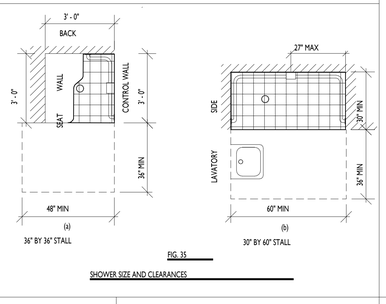


FIG. 35

SHOWER SIZE AND CLEARANCES

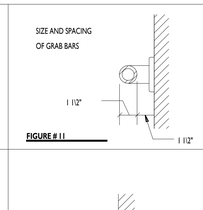


FIGURE # 11

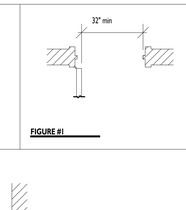


FIGURE #1

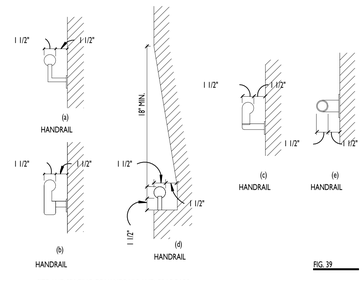
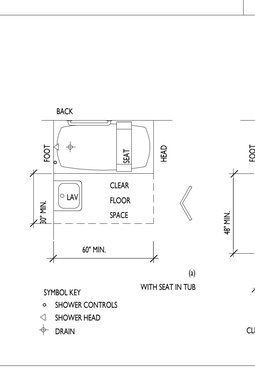


FIG. 39

SIZE AND SPACING OF HANDRAILS AND GRAB BARS



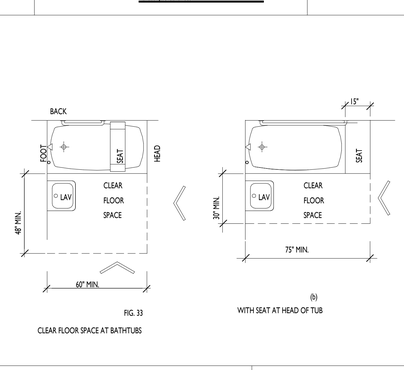


FIG. 33

CLEAR FLOOR SPACE AT BATHTUBS

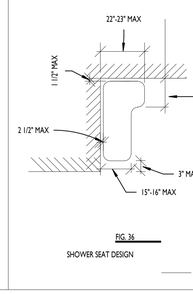


FIG. 36

SHOWER SEAT DESIGN

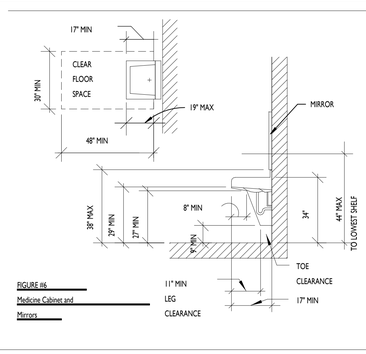


FIGURE #6

Medicine Cabinet and
Mirrors

SPECIFICATIONS FOR BUILDINGS & FACILITIES-BASED ON ADA ACCESSIBILITY GUIDELINES

GENERAL

2.1 PROVISIONS FOR ADULTS. THE SPECIFICATIONS IN THESE GUIDLINES ARE BASED UPON ADULT DIMENSIONS AND ANTHROPOMETRICS

2.2 EQUIVALENT FACILITATION. DEPARTURES FROM PARTICULAR TECHNICAL AND SCOPING REQUIREMENTS OF THIS GUIDLINE BY THE USE OF OTHER DESIGNS AND TECHNOLOGIES ARE PERMITTED WHERE THE ALTERNATIVE DESIGNS AND TECHNOLOGIES USED WILL PROVIDE SUBSTANTIALLY EQUIVALENT OR GREATER ACCESS TO AND USABILITY OF THE FACILITY. ACCESSIBLE ELEMENTS & SPACES

4.13 DOORS - ON AN ACCESSIBLE ROUTE SHALL COMPLY AS FOLLOWS:

4.13.4 DOUBLE-LEAF DOORWAYS AT LEAST ONE OF THE ACTIVE LEAVES OF DOORWAYS WITH TWO INDEPENDENTLY OPERATED LEAVES SERVING NON-STORAGE AREAS SHALL COMPLY WITH 4.13.5 AND 4.13.6.

4.13.5 CLEAR WIDTH. DOORWAYS SHALL HAVE A CLEAR OPENING OF 32 IN (815 MM) MINIMUM WITH DOOR OPEN 90 DEGREES [FIGURE #1]. CLEAR OPENING SHALL BE MEASURED BETWEEN THE FACE OF DOOR AND STOP.

4.13.6 MANEUVERING CLEARANCES AT DOORS. MINIMUM MANEUVERING CLEARANCES SHALL COMPLY WITH [FIGURE #2]

4.13.7 TWO DOORS IN SERIES. SPACE BETWEEN TWO HINGED OR PIVOTED DOORS IN SERIES SHALL BE 48 IN. MINIMUM PLUS THE WIDTH OF ANY DOOR SWINGING INTO THE SPACE. DOORS IN SERIES SHALL SWING EITHER IN SAME DIRECTION OR AWAY FROM SPACE BETWEEN DOORS.

4.13.8 THRESHOLDS AT DOORWAYS. THRESHOLDS, IF PROVIDED, AT DOORWAYS SHALL BE 1/2 IN HIGH MAXIMUM EXCEPT THAT THRESHOLDS FOR EXTERIOR RESIDENTIAL SLIDING DOORS SHALL BE 3/4 IN HIGH MAXIMUM.

4.13.9 DOOR HARDWARE. HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERABLE PARTS ON ACCESSIBLE DOORS SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING, OR TWISTING OF THE WRIST TO OPERATE. SUCH HARDWARE SHALL BE MOUNTED WITHIN REACH RANGES [SEE FIGURE #3]. WHEN SLIDING DOORS ARE IN THE FULLY OPEN POSITION, OPERATING HARDWARE SHALL BE EXPOSED AND USABLE FROM BOTH SIDES.

4.13.10 DOOR CLOSERS. DOOR CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO AN OPEN POSITION OF 12 DEGREES WILL BE 5 SECONDS MINIMUM.

4.13.11 DOOR OPENING FORCE. FIRE DOORS SHALL HAVE THE MINIMUM OPENING FORCE ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY. THE REQUIRED FORCE FOR PUSHING OPEN OR PULLING OPEN DOORS OTHER THAN FIRE DOORS SHALL BE AS FOLLOWS:

- INTERIOR HINGED DOOR: 5.0 LB (22.2N) MAXIMUM
- SLIDING/FOLDING DOOR: 5.0 LB (22.2N) MAXIMUM.

NOTE: THESE FORCES DO NOT APPLY TO THE FORCE REQUIRED TO RETRACT LATCH BOLTS OR DISENGAGE OTHER DEVICES THAT HOLD THE DOOR IN A CLOSED POSITION.

4.13.14 DOOR SURFACE. THE BOTTOM 10" [PROVIDE 12" PER FHA] OF ALL DOORS EXCEPT AUTOMATIC DOORS, POWER ASSISTED DOORS, AND SLIDING DOORS SHALL HAVE A SMOOTH UNINTERRUPTED SURFACE TO ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION. WHEN NARROW STILE AND RAIL DOORS ARE USED, A 12 IN HIGH MINIMUM, SMOOTH-PANEL, EXTENDING THE FULL WIDTH OF THE DOOR, SHALL BE INSTALLED ON THE PUSH SIDE(S) OF THE DOOR WHICH WILL ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION. CAVITIES CREATED BY KICK PLATES SHALL BE CAPPED.

4.14 ENTRANCES.

4.14.1 MINIMUM NUMBER. ENTRANCES REQUIRED TO BE ACCESSIBLE BY 4.1 SHALL BE PART OF AN ACCESSIBLE ROUTE COMPLYING WITH 4.3. SUCH ENTRANCES SHALL BE CONNECTED BY AN ACCESSIBLE ROUTE TO PUBLIC TRANSPORTATION STOPS, TO ACCESSIBLE PARKING AND PASSENGER LOADING ZONES, AND TO PUBLIC STREETS OR SIDEWALKS IF AVAILABLE (SEE 4.3.2(1)). THEY SHALL ALSO BE CONNECTED BY AN ACCESSIBLE ROUTE TO ALL ACCESSIBLE SPACES OR ELEMENTS WITHIN THE BUILDING OR FACILITY.

4.14.2 SERVICE ENTRANCES. A SERVICE ENTRANCE SHALL NOT BE THE SOLE ACCESSIBLE ENTRANCE UNLESS IT IS THE ONLY ENTRANCE TO A BUILDING OR FACILITY (FOR EXAMPLE, IN A FACTORY OR GARAGE).

4.15 DRINKING FOUNTAINS AND WATER COOLERS.

4.15.1 MINIMUM NUMBER. DRINKING FOUNTAINS OR WATER COOLERS REQUIRED TO BE ACCESSIBLE BY 4.1 SHALL COMPLY WITH 4.15.

4.15.2 SPOUT HEIGHT. SPOUTS SHALL BE NO HIGHER THAN 36 IN (915MM), MEASURED FROM THE FLOOR OR GROUND SURFACES TO THE SPOUT OUTLET (SEE FIG. 27(A).

4.15.3 SPOUT LOCATION. THE SPOUTS OF DRINKING FOUNTAINS AND WATER COOLERS SHALL BE AT THE FRONT OF THE UNIT AND SHALL DIRECT THE WATER FLOW IN A TRAJECTORY THAT IS PARALLEL OR NEARLY PARALLEL TO THE FRONT OF THE UNIT. THE SPOUT SHALL PROVIDE A FLOW OF WATER AT LEAST 4 IN (100MM) HIGH SO AS TO ALLOW THE INSERTION OF A CUP OR GLASS UNDER THE FLOW OF WATER. ON AN ACCESSIBLE DRINKING FOUNTAIN WITH A ROUND OR OVAL BOWL, THE SPOUT MUST BE POSITIONED SO THE FLOW OF WATER IS WITHIN 3 IN (75MM) OF THE FRONT EDGE OF THE FOUNTAIN.

4.15.4 CONTROLS. CONTROLS SHALL COMPLY WITH 4.27.4. UNIT CONTROLS SHALL BE FRONT MOUNTED OR SIDE MOUNTED NEAR THE FRONT EDGE.

4.15.5 CLEARANCES.

(1) WALL AND POST-MOUNTED CANTILEVERED UNITS SHALL HAVE A CLEAR KNEE SPACE BETWEEN THE BOTTOM OF THE APRON AND THE FLOOR OR GROUND AT LEAST 27 IN (685MM) HIGH, 30 IN (760MM) WIDE, AND 17 IN TO 19 IN (430MM TO 480MM) DEEP (SEE FIG. 27(A) AND (B)). SUCH UNITS SHALL ALSO HAVE A MINIMUM CLEAR FLOOR SPACE 30 IN BY 48 IN (760MM BY 1220MM) TO ALLOW A PERSON IN A WHEELCHAIR TO APPROACH THE UNIT FACING FORWARD.

(2) FREE-STANDING OR BUILT-IN UNITS NOT HAVING A CLEAR SPACE UNDER THEM SHALL HAVE A CLEAR FLOOR SPACE AT LEAST 30 IN BY 48 IN (760MM BY 1220MM) THAT ALLOWS A PERSON IN A WHEELCHAIR TO MAKE A PARALLEL APPROACH TO THE UNIT (SEE FIG. 27(C) AND (D)). THIS CLEAR FLOOR SPACE SHALL COMPLY WITH 4.2.4.

4.16 WATER CLOSETS.

4.16.1 GENERAL. ACCESSIBLE WATER CLOSETS SHALL COMPLY WITH 4.16.

4.16.2 CLEAR FLOOR SPACE. CLEAR FLOOR SPACE FOR WATER CLOSETS NOT IN STALLS SHALL COMPLY WITH FIG. 28. CLEAR FLOOR SPACE MAY BE ARRANGED TO ALLOW EITHER A LEFT-HANDED OR RIGHT-HANDED APPROACH.

4.16.3 HEIGHT. THE HEIGHT OF WATER CLOSETS SHALL BE 17 IN TO 19 IN (430MM TO 480MM), MEASURED TO THE TOP OF THE TOILET SEAT (SEE FIG. 29(B)). SEATS SHALL NOT BE SPRUNG TO RETURN TO A LIFTED POSITION.

4.16.4 GRAB BARS. GRAB BARS FOR WATER CLOSETS NOT LOCATED IN STALLS SHALL COMPLY 4.26 AND FIG 29. THE GRAB BAR BEHIND THE WATER CLOSET SHALL BE 36 IN (915MM) MINIMUM.

4.16.5 FLUSH CONTROL. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC AND SHALL COMPLY WITH

4.27.4. CONTROLS FOR FLUSH VALVES SHALL BE MOUNTED ON THE WIDE SIDE OF TOILET AREAS NO MORE THAN 44 IN (1120MM) ABOVE THE FLOOR.

4.16.6 DISPENSERS. TOILET PAPER DISPENSERS SHALL BE INSTALLED WITHIN REACH, AS SHOWN IN FIG. 29(B). DISPENSERS THAT CONTROL DELIVERY, OR THAT DO NOT PERMIT CONTINUOUS PAPER FLOW, SHALL NOT BE USED.

4.17 TOILET STALLS.

4.17.1 LOCATION. ACCESSIBLE TOILET STALLS SHALL BE ON AN ACCESSIBLE ROUTE AND SHALL MEET THE REQUIREMENTS OF 4.17.

4.17.2 WATER CLOSETS. WATER CLOSETS IN ACCESSIBLE STALLS SHALL COMPLY WITH 4.16.

4.17.3 SIZE AND ARRANGEMENT. THE SIZE AND ARRANGEMENT OF THE STANDARD TOILET STALL SHALL COMPLY WITH FIG. 30(A). STANDARD STALL STANDARD TOILET STALLS WITH A MINIMUM DEPTH OF 56 IN (1420 MM) (SEE FIG. 30(A)) SHALL HAVE WALL-MOUNTED WATER CLOSETS. IF THE DEPTH OF A STANDARD TOILET STALL IS INCREASED AT LEAST 3 IN (75MM), THEN A FLOOR-MOUNTED WATER CLOSET MAY BE USED. ARRANGEMENTS SHOWN FOR STANDARD TOILET STALLS MAY BE REVERSED TO ALLOW EITHER LEFTHANDED OR RIGHT-HANDED APPROACH. ADDITIONAL STALLS SHALL BE PROVIDED IN CONFORMANCE WITH 4.22.4.

EXCEPTION: IN INSTANCES OF ALTERATION WORK WHERE PROVISIONS OF A STANDARD STALL (FIG.30(A)) IS TECHNICALLY INFEASIBLE OR WHERE PLUMBING CODE REQUIREMENTS PREVENT COMBINING EXISTING STALLS TO PROVIDE SPACE, EITHER ALTERNATE STALL (FIG.30(B)) MAY BE PROVIDED IN LIEU OF THE STANDARD STALL.

4.17.4 TOE CLEARANCES. IN STANDARD STALLS, THE FRONT PARTITION AND AT LEAST ONE SIDE PARTITION SHALL PROVIDE A TOE CLEARANCE OF AT LEAST 9 IN (230MM) ABOVE THE FLOOR. IF THE DEPTH OF THE STALL IS GREATER THAN 60 IN (1525MM), THEN THE TOE CLEARANCE IS NOT REQUIRED. 4.17.5 DOORS. TOILET STALL DOORS, INCLUDING DOOR HARDWARE, SHALL COMPLY WITH 4.13. IF THE TOILET STALL APPROACH IS FROM THE LATCH SIDE OF THE STALL DOOR, CLEARANCE BETWEEN THE DOOR SIDE OF THE STALL AND ANY OBSTRUCTION MAY BE REDUCED TO A MINIMUM OF 42 IN (1065MM) (FIG. 30).

4.17.6 GRAB BARS. GRAB BARS COMPLYING WITH THE LENGTH AND POSITIONING SHOWN IN FIG. 30(A), (B), (C), AND (D) SHALL BE PROVIDED. GRAB BARS MAY BE MOUNTED WITH ANY DESIRED METHOD AS LONG AS THEY HAVE A GRIPPING SURFACE AT THE LOCATIONS SHOWN AND NOT OBSTRUCT THE REQUIRED CLEAR FLOOR AREA. GRAB BARS SHALL COMPLY WITH 4.26.

4.18 URINALS.

4.18.1 GENERAL. ACCESSIBLE URINALS SHALL COMPLY WITH 4.18.

4.18.2 HEIGHT. URINALS SHALL BE STALL-TYPE OR WALL-HUNG WITH AN ELONGATED RIM AT A MAXIMUM OF 17 IN (430MM) ABOVE THE FINISH FLOOR.

4.18.3 CLEAR FLOOR SPACE. A CLEAR FLOOR SPACE 30 IN BY 48 IN (760MM BY 1220MM) SHALL BE PROVIDED IN FRONT OF URINALS TO ALLOW FROWARD APPROACH. THIS CLEAR SPACE SHALL ADJOIN OR OVERLAP AN ACCESSIBLE ROUTE AND SHALL COMPLY WITH 4.2.4. URINALS SHIELDS THAT DO NOT EXTEND BEYOND THE FRONT EDGE OF THE URINAL RIM MAY BE PROVIDED WITH 29 IN (735MM) CLEARANCE BETWEEN THEM.

4.18.4 FLUSH CONTROLS. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC, AND SHALL COMPLY WITH 4.27.4, AND SHALL BE MOUNTED NO MORE THAN 44 IN (1120MM) ABOVE THE FINISH FLOOR.

4.19 LAVATORIES AND MIRRORS.

4.19.1 GENERAL. THE REQUIREMENTS OF 4.19 SHALL APPLY TO LAVATORY FIXTURES, VANITIES, AND BUILT-IN LAVATORIES.

4.19.2 HEIGHT AND CLEARANCES. LAVATORIES SHALL BE MOUNTED WITH THE RIM OR COUNTER SURFACE NO HIGHER THAN 34 IN (865MM) ABOVE THE FINISH FLOOR. PROVIDE A CLEARANCE OF AT LEAST 29 IN (735MM) ABOVE THE FINISH FLOOR TO THE BOTTOM OF THE APRON, KNEE AND TOE CLEARANCE SHALL COMPLY WITH FIG. 31.

4.19.3 CLEAR FLOOR SPACE. A CLEAR FLOOR SPACE 30 IN BY 48 IN (760MM BY 1220MM) COMPLYING WITH 4.2.4 SHALL BE PROVIDED IN FRONT OF A LAVATORY TO ALLOW FORWARD APPROACH. SUCH CLEAR FLOOR SPACE SHALL ADJOIN OR OVERLAP AN ACCESSIBLE ROUTE AND SHALL EXTEND A MAXIMUM OF 19 IN (480MM) UNDERNEATH THE LAVATORY (SEE FIG. 32).

4.19.4 EXPOSED PIPES AND SURFACES. HOT WATER AND DRAIN PIPES UNDER LAVATORIES SHALL BE INSULATED OR PTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES.

4.19.5 FAUCETS. FAUCETS SHALL COMPLY WITH 4.27.4. LEVER-OPERATED, PUSH-TYPE, AND ELECTRONICALLY CONTROLLED MECHANISMS ARE EXAMPLES OF ACCEPTABLE DESIGNS. IF SELF-CLOSING VALVES ARE USED THE FAUCET SHALL REMAIN OPEN FOR AT LEAST 10 SECONDS.

4.19.6 MIRRORS. MIRRORS SHALL BE MOUNTED WITH THE BOTTOM EDGE OF THE REFLECTING SYRFACE NO HIGHER THAN 40 IN (1015MM) ABOVE THE FINISH FLOOR (SEE FIG. 31).

4.20 BATHTUBS.

4.20.1 GENERAL. ACCESSIBLE BATHTUBS SHALL COMPLY WITH 4.20.

4.20.2 FLOOR SPACES. CLEAR FLOOR SPACE IN FRONT OF BATHTUBS SHALL BE AS SHOWN IN FIG. 33.

4.20.3 SEAT. AN IN-TUB SEAT OR A SEAT AT THE HEAD END OF THE TUB SHALL BE PROVIDED AS SHOWN IN FIG. 33 AND 34. THE STRUCTURAL STRENGTH OF SEATS AND THEIR ATTACHMENTS SHALL COMPLY WITH 4.26.3. SEATS SHALL BE MOUNTED SECURELY AND SHALL NOT SLIP DURING USE.

4.20.4 GRAB BARS. GRAB BARS COMPLYING WITH 4.26 SHALL BE PROVIDED AS SHOWN IN FIG. 33 AND 34.

4.20.5 CONTROLS. FAUCETS AND OTHER CONTROLS COMPLYING WITH 4.27.4 SHALL BE LOCATED AS SHOWN IN FIG. 34.

4.20.6 SHOWER UNITS. A SHOWER SPRAY UNIT WITH A HOSE AT LEAST 60 IN (1525MM) LONG THAT CAN BE USED BOTH AS FIXED SHOWER HEAD AND AS HAND-HELD SHOWER SHALL BE PROVIDED.

4.20.7 BATHTUB ENCLOSURES. IF PROVIDED, ENCLOSURES FOR BATHTUBS SHALL NOT OBSTRUCT CONTROLS OR TRANSFER FROM WHEELCHAIR ONTO BATHTUB SEATS OR INTO TUBS. ENCLOSURES ON BATHTUBS SHALL NOT HAVE TRACKS MOUNTED ON THEIR RIMS.

4.21 SHOWER STALLS

4.21.2 SIZE AND CLEARANCES. EXCEPT AS SPECIFIED IN 9.1.2. SHOWER STALLS SIZE AND CLEAR FLOOR SPACE SHALL COMPLY WITH FIG. 35(A) OR (B). THE SHOWER STALL IN FIG. 35 (A) SHALL BE 36 IN BY 36 IN (915 MM BY 915 MM). SHOWER STALLS REQUIRED BY 9.1.2 SHALL COMPLY WITH FIG. 57(A) OR (B). THE SHOWER STALL IN FIG. 35(B) WILL FIT INTO THE SPACE REQUIRED FOR A BATHTUB

4.21.3 SEAT. A SEAT SHALL BE PROVIDED IN SHOWER STALLS 36 IN BY 36 IN (915 MM BY 915 MM) AND SHALL BE AS SHOWN IN FIG. 36. THE SEAT SHALL BE MOUNTED 17 IN TO 19 IN (430 MM TO 485 MM) FROM THE BATHROOM FLOOR AND SHALL EXTEND THE FULL DEPTH OF THE STALL. IN A 36 IN BY 36 IN SHOWER STALL, THE SEAT SHALL BE ON THE WALL OPPOSITE THE CONTROLS. WHERE A FIXED SEAT IS PROVIDED IN A 30 IN BY 60 IN MINIMUM (760 MM BY 1525 MM) SHOWER STALL, IT SHALL BE A FOLDING TYPE AND SHALL BE MOUNTED ON THE WALL ADJACENT TO THE CONTROLS AS SHOWN IN FIG. 57. THE STRUCTURAL STRENGHT OF SEATS AND THEIR ATTACHMENTS SHALL COMPLY WITH 4.26.3.

4.21.4 GRAB BARS. GRAB BARS COMPLYING WITH 4.26 SHALL BE PROVIDED AS SHOWN IN FIG. 37.

4.21.5 CONTROLS. FAUCETS AND OTHER CONTROLS COMPLYING WITH 4.27.4 SHALL BE LOCATED AS SHOWN IN FIG. 37. IN SHOWER STALLS 36 IN BY 36 IN (915 MM BY 915 MM), ALL CONTROLS, FAUCETS, AND THE SHOWER UNIT SHALL BE MOUNTED ON THE SIDE WALL OPPOSITE THE SEAT.

4.21.6 SHOWER UNIT. A SHOWER SPRAY UNIT WITH A HOSE AT LEAST 60 IN (1525 MM) LONG THAT CAN BE USED BOTH AS A FIXED SHOWER HEAD AND AS A HAND-HELD SHOWER BE PROVIDED.

4.21.7 CURBS. IF PROVIDED, CURBS IN SHOWER STALLS 36 IN BY 36 IN (915 MM BY 915 MM) SHALL BE NO HIGHER THAN 1/2 IN (13MM). SHOWER STALLS THAT ARE 30 IN BY 60 IN (760MM BY 1525MM) MINIMUM SHALL NOT HAVE CURBS.

4.21.8 SHOWER INCLOSURES. IF PROVIDED, ENCLOSURES FOR SHOWER STALLS SHALL NOT OBSTRUCT CONTROLS OR OBSTRUCT TRANSFER FROM WHEELCHAIRS ONTO SHOWER SEATS.

4.23 BATHROOMS, BATHING FACILITIES, AND SHOWER ROOMS.

4.23.1 MINIMUM NUMBER. BATHROOMS, BATHING FACILITIES, OR SHOWER ROOMS REQUIRED TO BE ACCESSIBLE BY 4.1 SHALL COMPLY WITH 4.23 AND SHALL BE ON AN ACCESSIBLE ROUTE.

4.23.2 DOORS. DOORS TO ACCESSIBLE BATHROOMS SHALL COMPLY WITH 4.13. DOORS SHALL NOT SWING INTO THE FLOOR SPACE REQUIRED FOR ANY FIXTURE.

4.23.3 CLEAR FLOOR SPACE. THE ACCESSIBLE FIXTURES AND CONTROLS REQUIRED IN 4.23.4, 4.23.5, 4.23.6, 4.23.7, 4.23.8, AND 4.23.9 SHALL BE ON AN ACCESSIBLE ROUTE. AN UNOBSTRUCTED TURNING SPACE COMPLYING WITH 4.2.3 SHALL BE PROVIDED WITHIN AN ACCESSIBLE BATHROOM. THE CLEAR FLOOR SPACES AT FIXTURES AND CONTROLS, THE ACCESSIBLE ROUTE, AND THE TURNING SPACE MAY OVERLAP.

4.23.4 WATER CLOSETS. IF TOILET STALLS ARE PROVIDED, THEN AT LEAST ONE SHALL BE A STANDARD TOILET STALL COMPLYING WITH 4.17. WHERE 6 OR MORE STALLS ARE PROVIDED, IN ADDITION TO THE STALL COMPLYING WITH 4.17.3, AT LEAST ONE STALL 36 IN (915MM) WIDE WITH AN OUTWARD SWINGING, SELF CLOSING DOOR AND PARALLEL GRAB BARS COMPLYING WITH FIG. 30(D) AND 4.26 SHALL BE PROVIDED. WATER CLOSETS IN SUCH STALLS SHALL COMPLY WITH 4.16. IF WATER CLOSETS ARE NOT IN STALLS, THEN AT LEAST ONE SHALL COMPLY WITH 4.16.

4.23.5 URINALS: IF URINALS ARE PROVIDED, THEN AT LEAST ONE SHALL COMPLY WITH 4.19.

4.23.6 LAVATORIES AND MIRRORS. IF LAVATORIES AND MIRRORS ARE PROVIDED, THEN AT LEAST ONE OF EACH SHALL COMPLY WITH 4.29.

4.23.7 CONTROLS AND DISPENSERS. IF CONTROLS, DISPENSERS, RECEPTACLES, OR OTHER EQUIPMENT ARE PROVIDED, THEN AT LEAST ONE OF EACH SHALL BE ON AN ACCESSIBLE ROUTE AND SHALL COMPLY WITH 4.27.

4.23.8 BATHING AND SHOWER FACILITIES. IF TUBS OR SHOWERS ARE PROVIDED, THEN AT LEAST ONE ACCESSIBLE TUB THAT COMPLIES WITH 4.20 OR AT LEAST ONE ACCESSIBLE SHOWER THAT COMPLIES WITH 4.21 SHALL BE PROVIDED.

4.26 HANDRAILS, GRAB BARS, AND TUB AND SHOWER SEATS.

4.26.1 GENERAL. ALL HANDRAILS, GRAB BARS, AND TUB AND SHOWER SEATS REQUIRED TO BE ACCESSIBLE BY 4.1, 4.8, 4.9, 4.16, 4.17, 4.20 OR 4.21 SHALL COMPLY WITH 4.26.

4.26.2 SIZE AND SPACING OF GRAB BARS AND HANDRAILS. THE DIAMETER OR WIDTH OF THE GRIPPING SURFACES OF A HANDRAIL OR GRAB BAR SHALL BE 1-1/4 IN TO 1-1/2 IN (32MM TO 38MM) OR THE SHAPE SHALL PROVIDE AN EQUIVALENT GRIPPING SURFACE. IF THE HANDRAILS OR GRAB BARS ARE MOUNTED ADJACENT TO A WALL, THE SPACE BETWEEN THE WALL AND THE GRAB BAR SHALL BE 1-1/2 IN (38MM) (SEE FIG. 39(A), (B), (C), AND (E)). HANDRAILS AMY BE LOCATED IN A RECESS IF THE RECESS IS A MAXIMUM OF 3 IN (76MM) DEEP AND EXTENDS AT LEAST 18 IN (455MM) ABOVE THE TOP OF THE RAIL (SEE FIG. 39(D)).

4.26.3 STRUCTURAL STRENGTH. THE STRUCTURAL STRENGTH OF GRAB BARS, TUB AND SHOWER SEATS, FASTENERS, AND MOUNTING DEVICES SHALL MEET THE FOLLOWING SPECIFICATION:

(1) BENDING STRESS IN A GRAB BAR OR SEAT INDUCED BY THE MAXIMUM BENDING MOMENT FROM THE APPLICATION OF 250 IBF (1112N) SHALL BE LESS THAN THE ALLOWABLE STRESS FOR THE MATERIAL OF THE GRAB BAR OR SEAT.

(2) SHEAR STRESS INDUCED IN A GRAB BAR OR SEAT BY THE APPLICATION OF 250 IBF (1112N) SHALL BE LESS THAN THE ALLOWABLE SHEAR STRESS FOR THE MATERIAL OF THE GRAB BAR OR SEAT. IF THE CONNECTION BETWEEN THE GRAB BAR OR SEAT AND ITS MOUNTING BARCKET OR OTHER SUPPORT IS CONSIDERED TO BE FULLY RESTRAINED THEN DIRECT AND TORSIONAL SHEAR STRESSES SHALL BE TOTALED FOR THE COMBINED SHEAR STRESS, WHICH SHALL NOT EXCEED THE ALLOWABLE SHEAR STRESS.

(3) SHEAR FORCE INDUCED IN A FASTENER OR MOUNTING DEVICE FROM THE APPLICATION OF 250 IBF (1112N) SHALL BE LESS THAN THE ALLOWABLE LATERAL LOAD OF EITHER THE FASTENER OR MOUNTING DEVICE OR THE SUPPORTING STRUCTURE, WHICHEVER IS THE SMALLER ALLOWABLE LOAD

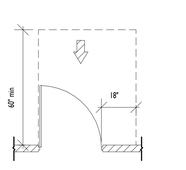
(4) TENSILE FORCE INDUCED IN A FASTENER BY A DIRECT TENSION FORCE OF 250 IBF (1112N) PLUS THE MAX. MOMENT FROM THE APPLICATION OF 250 IBF (1112N) SHALL BE LESS THAN THE ALLOWABLE WITHDRAWAL LOAD BETWEEN THE FASTENER AND THE SUPPORTING STRUCTURE.

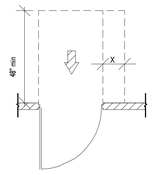
(5) GRAB BARS SHALL NOT ROTATE WITHIN THEIR FITTINGS.

4.26.4 ELIMINATING HAZARDS. A HANDRAIL OR GRAB BAR AND ANY WALL OR OTHER SURFACE ADJACENT TO IT SHALL BE FREE OF ANY SHARP OR ABRASIVE ELEMENTS. EDGES SHALL HAVE A MINIMUM RADIUS OF 1/8 IN (3.2MM).

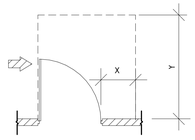
4.80 VENDING MACHINES AND OTHER EQUIPMENT.

SPACES FOR VENDING MACHINES AND OTHER EQUIPMENT SHALL COMPLY WITH 4.2 AND SHALL BE LOCATED ON AN ACCESSIBLE ROUTE.

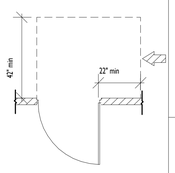




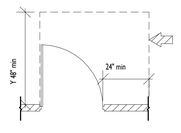
NOTE: x=12 in. if the door
has both a closer and a latch



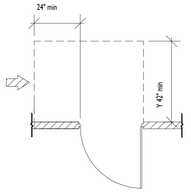
NOTE: x=36 in. if y= 60" min.
x=42 in. if y= 54" min.



NOTE: y=48 in. if the door
has both a closer and a latch



NOTE: y=54 in. if the door
has a closer



NOTE: y=48 in. if the door
has a closer

FIGURE #2

Doors

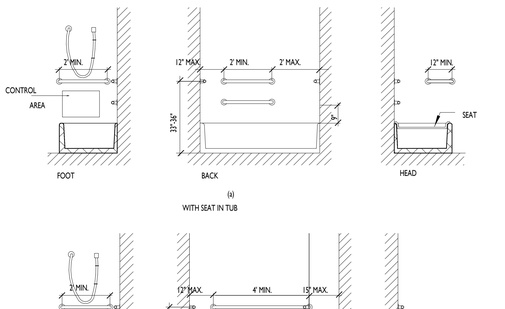
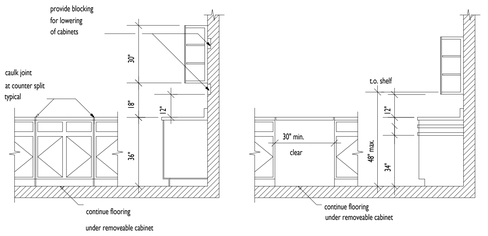
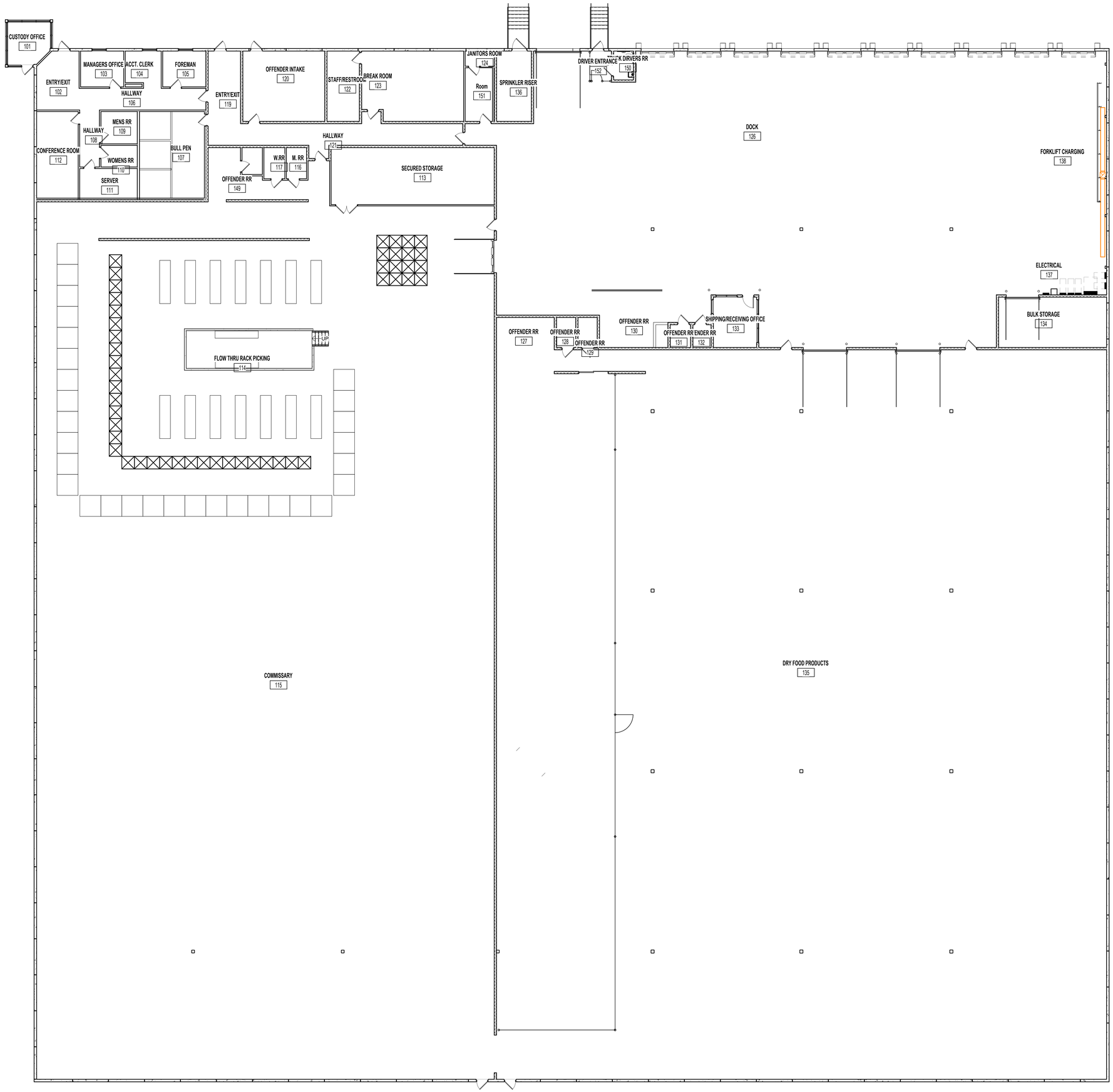


FIG. 34

Grab Bars at Bathtubs


provide blocking



I EXISTING FIRST FLOOR UNIT PLAN
A0.90 3/32" = 1'-0"

NOTE: EXISTING PLAN SHOWN FOR REFERENCE ONLY. CONTRACTOR IS RESPONSIBLE TO FIELD VERIGY ALL EXISTING CONDITIONS.

STUDIO VIEW ARCHITECTURE

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REGISTERED
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STATE OF INDIANA
ARCHITECT

Design Partners:

100% CONSTRUCTION DOCUMENTS
DEPARTMENT OF CORRECTIONS - PLAINFIELD
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727 MOON RD. PLAINFIELD, IN 46168

#	Revision	Date

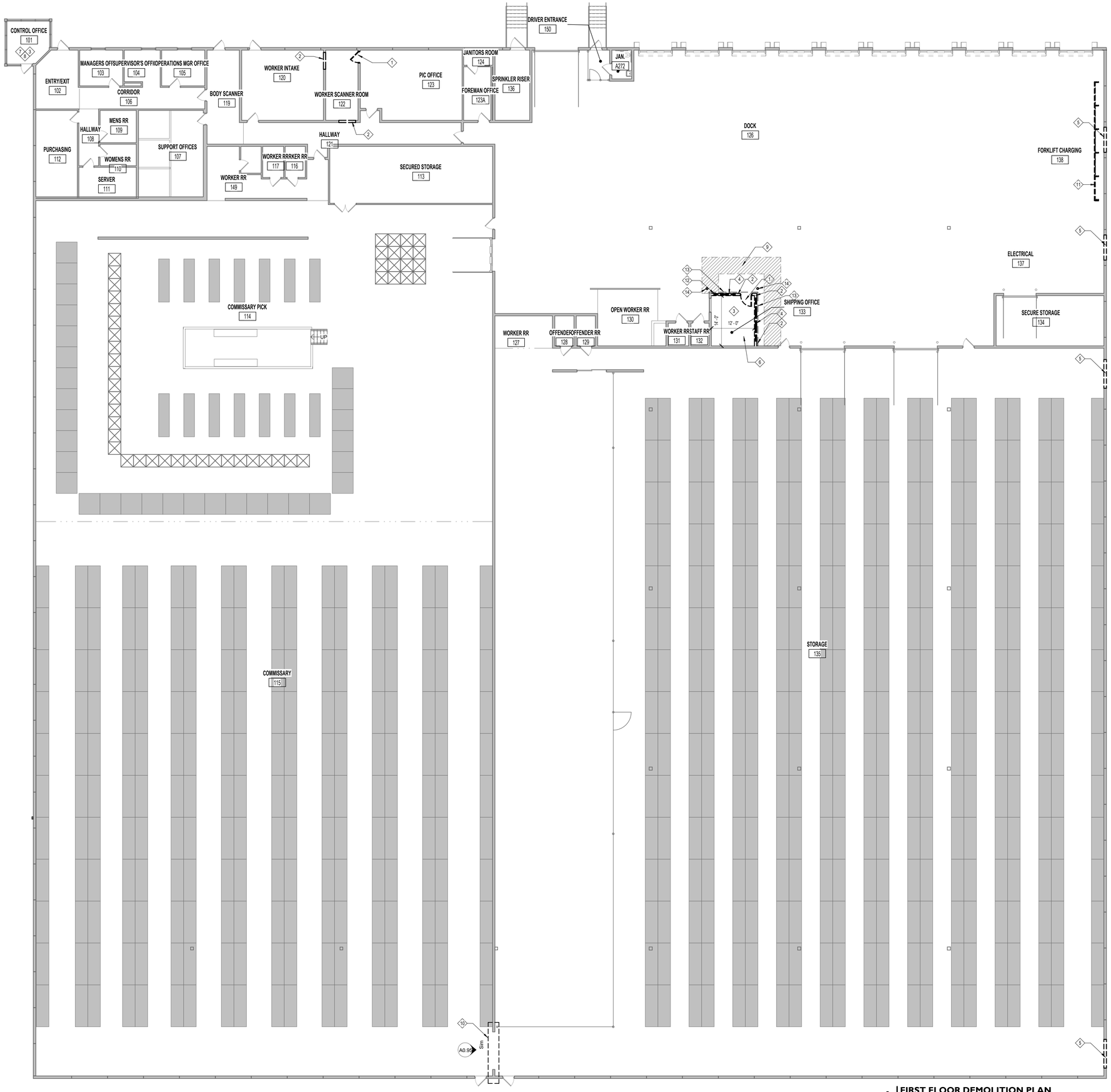
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Project #: 32011091-2026-003

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DATE: 4/10/2026 2:30:35 PM

EXISTING FIRST FLOOR PLAN

A0.90



1 **FIRST FLOOR DEMOLITION PLAN**
A0.95 3/32" = 1'-0"

DEMO FLOOR PLAN NOTES

Key	Note
1	REMOVE EXISTING HOLLOW METAL DOOR AND FRAME ASSEMBLY IN ITS ENTIRETY, INCLUDING ALL ASSOCIATED ANCHORS, ADHESIVES, HARDWARE, AND BRACING. PREPARE OPENING FOR NEW CONSTRUCTION. REFERENCE ARCHITECTURAL FLOOR PLAN(S) FOR NEW CONSTRUCTION SCOPE. COORDINATE REMOVAL/RELOCATION OF EXISTING ENTRY SYSTEM WITH OWNER. PATCH AND REPAIR ALL SURFACES TO REMAIN TO MATCH ADJACENT SURFACES. NEW CMU WALL INFILL TO TOOTH INTO EXISTING CMU. DEMO EXISTING WALL JAMBS AS REQUIRED FOR NEW INSTALLATION.
2	REMOVE EXISTING INTERIOR WALL CONSTRUCTION TO LIMITS INDICATED. INCLUDING, BUT NOT LIMITED TO ANCHORS, ADHESIVES, ACCESSORIES, AND WALL-MOUNTED EQUIPMENT. ALL WALL MOUNTED M/E/P SYSTEMS TO BE RELOCATED PRIOR TO WALL DEMOLITION. DEMO WALL SYSTEMS TO ALLOW FOR INSTALLATION OF BULLNOSE WALL JAMBS. PROVIDE SHORING AS REQUIRED TO INSTALL NEW CMU LINTELS OR LOOSE STEEL LINTELS, SEE STRUCTURAL DRAWINGS.
3	REMOVE EXISTING CEILING SYSTEM IN ITS ENTIRETY, INCLUDING ALL ACCESSORIES, ANCHORS AND ADHESIVES. PATCH EXISTING SURFACES TO REMAIN TO RECIEVE NEW CONSTRUCTION.
4	REMOVE EXISTING HOLLOW METAL WINDOW SYSTEM ASSEMBLY IN ITS ENTIRETY, INCLUDING ALL ASSOCIATED ANCHORS, ADHESIVES, HARDWARE, AND BRACING. PREPARE OPENING FOR NEW CONSTRUCTION REFERENCE ARCHITECTURAL FLOOR PLAN(S) FOR NEW CONSTRUCTION SCOPE. COORDINATE REMOVAL/RELOCATION OF EXISTING ENTRY SYSTEM WITH OWNER. PATCH AND REPAIR ALL SURFACES TO REMAIN TO MATCH ADJACENT SURFACES. NEW CMU WALL INFILL TO TOOTH INTO EXISTING CMU. DEMO EXISTING WALL JAMBS AS REQUIRED FOR NEW INSTALLATION.
5	REMOVE EXISTING PRECAST WALL CONSTRUCTION TO LIMITS INDICATED. INCLUDING, BUT NOT LIMITED TO ANCHORS, ADHESIVES, ACCESSORIES, AND WALL-MOUNTED EQUIPMENT. ALL WALL MOUNTED M/E/P SYSTEMS TO BE RELOCATED PRIOR TO WALL DEMOLITION. PROVIDE SHORING AS REQUIRED TO INSTALL NEW STEEL LINTELS, SEE STRUCTURAL DRAWINGS.
6	REMOVE EXISTING FRAMED CEILING/ROOF ASSEMBLY SUPPORTING LAY-IN CEILING. ALL EXISTING M/E/P SYSTEMS TO BE LEFT IN PLACE DURING CONSTRUCTION OR DISASSEMBLED AND SET ASIDE TO BE RE-INSTALLED AS PART OF NEW CONSTRUCTION
7	REMOVE EXISTING FLOOR FINISH IN ITS ENTIRETY, INCLUDING ALL ANCHORS, ADHESIVES, AND WALL BASE. PATCH AND PREPARE SURFACES TO REMAIN TO RECEIVE NEW FLOOR FINISH. COORDINATE EXISTING SURFACES BASED ON FINISH MANUFACTURER INSTRUCTIONS
8	ALL CONSTRUCTION IS BE COMPLETED WITHOUT INTERUPTIONS OF CONTROL ROOM. CONTRACTOR TO COORDINATE DEMO AND NEW WORK WITH OWNER. SOME WORK MAY HAVE TO BE PERFORMED AT 3RD SHIFT
9	DEMO EXISTING FLOOR SLAB TO LIMITS REQUIRED TO INSTALL NEW FOUNDATION. SEE STRUCTURAL DRAWINGS
10	ALTERNATE DEMO SCOPE: REMOVE EXISTING STAINLESS STEEL CASED FRAMED OPENING. RECONSTRUCT DEMOLISHED CMU WALL - SEE DETAIL IMAGE FOR FULL SCOPE. EXISTING CHAINLINK FENCE TO BE SHORED IN PLACE. EXISTING CAMERA AND CONDUITS TO EITHER BE REMOVED TO BE REINSTALLED. ANCHOR NEW CMU WALL TO EXISTING WALLS AS REQUIRED. PROVIDE NEW TRIMMED STEEL CASED OPENING
11	REMOVE EXISTING VEHICLE BARRIER SYSTEM IN ITS ENTIRETY, INCLUDING ALL ANCHORS, ADHESIVES, AND ACCESSORIES. PATCH SURFACES TO REMAIN.
12	REMOVE EXISTING LOUVER GRILL IN ITS ENTIRETY. INCLUDING ALL ANCHORS AND ADHESIVES
13	REMOVE EXISTING WOOD FASCIA BOARD.
14	REMOVE EXISTING BOLLARD IN ITS ENTIRETY

GENERAL DEMO NOTES

A. CONTRACTOR SHALL FIELD-VERIFY ALL EXISTING CONDITIONS, DIMENSIONS, AND ARRANGEMENTS.

B. CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF ALL EXISTING SURFACES, MATERIALS, AND COMPONENTS TO REMAIN OR BE RELOCATED. DAMAGE TO THESE RESULTING FROM PERFORMANCE OF WORK SHALL BE REPAIRED BY CONTRACTOR TO SATISFACTION OF OWNER AND ARCHITECT AT NO ADDITIONAL EXPENSE TO OWNER.

C. CONTRACTOR SHALL PROVIDE TEMPORARY DUST PROTECTION AS REQUIRED TO PREVENT CONSTRUCTION DEBRIS AND DUST FROM MIGRATING OUT OF PROJECT AREA. OWNER/ARCHITECT SHALL CONFIRM ALL DUST PREVENTION MEASURES/LOCATIONS AND SHALL DETERMINE CHANGES TO THESE MEASURES.

D. ALL EXISTING EQUIPMENT AND FIXTURES SHALL REMAIN PROPERTY OF OWNER. ALL REUSABLE ITEMS SALVAGED DURING DEMOLITION OPERATIONS SHALL BE RETAINED FOR OWNER'S INSPECTION. ONLY ITEMS SO INSPECTED AND REJECTED BY OWNER SHALL BE DISPOSED. ALL OTHER SUCH ITEMS SHALL BE TURNED OVER TO OWNER FOR DISPOSITION.

E. ALL EXISTING SURFACES LOCATED ADJACENT TO, OR EXPOSED BY DEMOLITION WORK AND SCHEDULED TO RECEIVE NEW CONSTRUCTION SHALL BE PATCHED AND REPAIRED AS REQUIRED TO CLEANLY RECEIVE NEW WORK.

F. ALL EXISTING SURFACES LOCATED ADJACENT TO, OR EXPOSED BY DEMOLITION WORK AND SCHEDULED TO REMAIN EXPOSED AFTER COMPLETION OF NEW CONST. SHALL BE REPAIRED AND PATCHED AS REQUIRED TO RECEIVE NEW FINISHES.

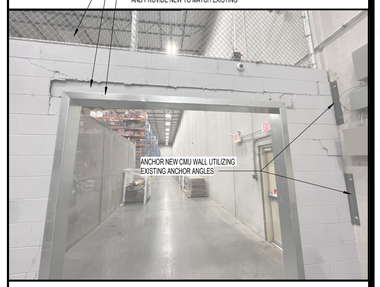
G. REFER TO MECH/ELEC. DRAWINGS FOR ADDITIONAL PATCHING AND PREPARATION WORK RELATED TO M.E.P. DEMOLITION ITEMS.

H. EXISTING SLEEVES, HOLES, AND OTHER PENETRATIONS OR NEW DAMAGE OF EXISTING BUILDING STRUCTURE ABOVE GRADE EXPOSED BY DEMOLITION AND REMOVAL OF PIPING, APPURTENANCES, EQUIPMENT SHALL BE PATCHED AND REPAIRED AS PART OF THE WORK. MAINTAIN FIRE RATINGS OF ALL AND ADJACENT CONSTRUCTION AFFECTED.

I. CAP ALL PIPING TO REMAIN OR ABANDONED IN ACCORDANCE WITH REQUIREMENTS OF AUTHORITY HAVING JURISDICTION AND IN ACCORDANCE WITH ALL LOCAL AND STATE PLUMBING AND HEALTH CODES. UTILIZE ONLY PRE-MANUFACTURED AND APPROVED FITTINGS TO CAP EXISTING PIPING.

J. EACH CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION WORK REQUIRED OR NOTED FOR INSTALLATION OF NEW WORK. DEMOLITION MAY INCLUDE ASSOCIATED DISTRIBUTION SYSTEMS, APPURTENANCES, EQUIPMENT SUPPORTING CONTROLS, AND MISCELLANEOUS SUPPORTS, UNLESS NOTED OTHERWISE.

K. COORDINATE ALL DEMOLITION WITH PROJECT SEQUENCING AS DIRECTED BY GENERAL CONTRACTOR OR CONSTRUCTION MANAGER.



2 **ALTERNATE DEMO DETAIL**
A0.95 NOT TO SCALE

STUDIO VIEW ARCHITECTURE
ERIC S. WEFLEN REGISTERED No. AR11500138 STATE OF INDIANA ARCHITECT
Design Partners:

100% CONSTRUCTION DOCUMENTS
DEPARTMENT OF CORRECTIONS - PLAINFIELD
ICI WAREHOUSE EXPANSION
727 MOON RD. PLAINFIELD, IN 46168

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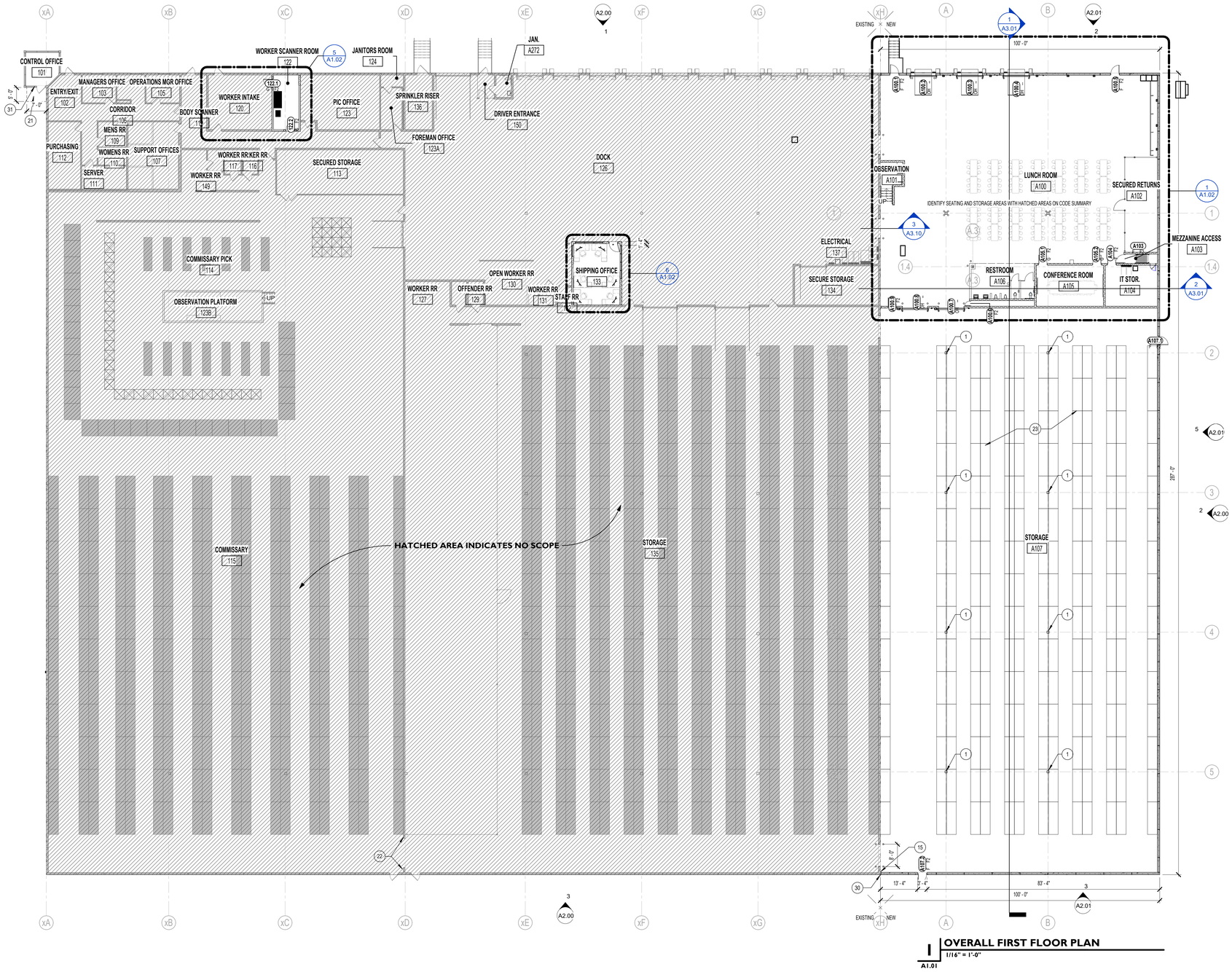
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FIRST FLOOR DEMOLITION PLAN

A0.95



I OVERALL FIRST FLOOR PLAN

1/16" = 1'-0"

A1.01

FLOOR PLAN NOTES

Key	Note
1	EXPOSED STRUCTURAL STEEL COLUMN, TO BE PRIMED AND PAINTED SAFETY YELLOW TO 10'-0". TROWEL SLAB AT COLUMN EDGE TO BE LEVEL WITH OVERALL SLAB ELEVATION.
2	HALF HEIGHT WALL WITH 8" DOUBLE BULLNOSE CMU WALL CAP - SEE SECTION DETAILS
3	CHAINLINK FENCE SYSTEM. PROVIDE ALL REQUIRED ANCHORS, SUPPLEMENTAL STRUCTURE, AND ALL REQUIRED COMPONENTS FOR A FULLY WARRANTED SYSTEM. SYSTEM TO EXTEND TO 12'-0" A.F.F. PROVIDE A 4'-0" W. x 8'-0" H GATE WITH A CHAINLINK. PROVIDE A SECURITY ACCESS LOCKING MECHANISM. PROVIDE HORIZONTAL FENCE SYSTEM ON THE ROOF AT 12'-0". CHAINLINK MANUFACTURER TO PROVIDE ALL REQUIRED STRUCTUR, ANCHORS, ADHESIVES FOR A WARRANTED SYSTEM.
3A	CHAINLINK FENCE SYSTEM. PROVIDE ALL REQUIRED ANCHORS, SUPPLEMENTAL STRUCTURE, AND ALL REQUIRED COMPONENTS FOR A FULLY WARRANTED SYSTEM. SYSTEM TO EXTEND TO LIMITS INDICATED. PROVIDE DOUBLE SWING 7'-0" H GATE WITH A CHAINLINK. PROVIDE A SECURITY ACCESS LOCKING MECHANISM.
4	MANUFACTURED METAL SHIPS LADDER WITH ALL REQUIRED ANCHORS AND SUPPLEMENTARY FRAMING REQUIRED FOR A FULLY WARRANTED SYSTEM. PROVIDE MANUFACTURER STANDARD RAILING MIN. SCHEDULE 40 PIPE. EXTEND RAILING PAST TOP LANDING TO 3'-0" A.F.F.
5	MANUFACTURED METAL ACCESS PANEL 24" WIDE x 32" TALL AT 16" A.F.F. ACCESS PANEL TO BE SHOP PRIMED AND PAINTED. FINISH TO BE SELECTED BY ARCHITECT FROM MANUFACTURERS FULL RANGE.
6	MANUFACTURED DRY ERASE MARKER BOARD - 8'-0" WIDE x
7	OWNER PROVIDED TELEVISION - CONTRACTOR TO PROVIDE POWER AND DATA
8	MANUFACTURED MOTORIZED OVERHEAD DOOR - FINISH TO BE SELECTED BY ARCHITECT/OWNER FROM MANUFACTURERS FULL RANGE
9	OWNER PROVIDED 8" STEEL BOLLARD TO 42" A.F.F. CONCRETE FILLED WITH DOMMED TOP. PAINT ENTIRE ASSEMBLY SAFETY YELLOW
10	MANUFACTURED DOCK LEVELER WITH 27" PLATE
11	MANUFACTURED DOCK BUMPERS
12	MANUFACTURED DOCK CANOPY ENCLOSURE
13	MONOLITHIC CONCRETE STAIR AND LANDING. EXTEND CONCRETE TO FOOTER
14	UTILITY TYPE GUARD RAIL - SCH. 40 PIPE MINIMUM 1-1/4 O.D. MIN. BALUSTER AT EACH CORNER AND 4'-0" ON CENTER. CORE DRILL CONCRETE AND SET RAILING BALUSTERS IN CONCRETE. GROUT OPENINGS POST INSTALLATION
15	MANUFACTURED ALUMINUM CORNER WALL TO WALL EXPANSION JOINT COVER. EXTEND FULL HEIGHT OF WALL TO UNDERSIDE OF DECK
16	ELEVATED CONCRETE SLAB TO ELEVATION INDICATED. PROVIDE DRY FILL SAND AS INFILL BETWEEN SLAB
17	MANUFACTURED SOLID SURFACE COUNTERTOP - 1-1/4 WITH EASE EDGE AND BACKSPLASH. MOUNTED AT SEATED HEIGHT. PROVIDE WALL MOUNTED SUPPORT BRACKETS AT 4'-0" O.C. CENTER ON FULL LENGTH OF COUNTERTOP. PROVIDE GROMMETS AT EACH INSIDE WALL CORNER @
18	MANUFACTURED DOCK LEVELER LIFT - HYDROLIC
19	MEP EQUIPMENT - SEE MECHANICAL/ELECTRICAL/PLUMBING DRAWINGS. SEALL ALL THROUGH WALL AND FLOOR PENETRATIONS. THROUGH FLOOR AND RATED WALL PENETRATIONS TO BE SEALED WITH FIRE RATED JOINT SYSTEM
20	8" CMU WALL TO 4'-0" WITH A 4" BULLNOSE CAP. CAP TO EXTEND AROUND COLUMN. CUT CMU AS REQUIRED. PROVIDE ADDITIONAL FRAMING AS REQUIRED TO ANCHOR AROUND COLUMN
21	LINE OF CANOPY ABOVE
22	ALTERNATE SCOPE. SEE DEMO DRAWINGS FOR SCOPE
23	HEAVY DUTY HIGH PILE STORAGE SYSTEM - TO MATCH EXISTING
24	MANUFACTURED STEEL VEHICULAR CRASH BARRIER SYSTEM
25	EXTEND SLAB TO THE EXTERIOR FACE OF PRECAST
26	REMOVABLE RAILING SECTION
27	MANUFACTURED ROOM SIGNAGE WITH BRAILLE.
28	TOOTH IN NEW CMU INTO EXISTING
29	FREE STANDING BOTTLE FILLER - OWNER PROVIDED. PROVIDE PLUMBING CONNECTION. SEE PLUMBING DRAWINGS.
30	MANUFACTURED EXTERIOR WALL TO WALL EXPANSION JOINT COVER. EXTEND FULL HEIGHT OF WALL
31	PROVIDE NEW DOOR SEALS AND THRESHOLD SET IN SEALANT. PROVIDE NEW SEALANT AT THE FULL PERIMETER OF EXISTING FRAME

GENERAL PLAN NOTES

A. PLAN NOTES INDICATE ONE GRAPHIC REPRESENTATION TYPICAL. THE CONTRACTOR SHALL USE THE GRAPHIC REPRESENTATIONS FOR THE COUNT, NOT THE KEYED PLAN NOTES. THE ABSENCE OF A KEYED PLAN NOTE ON THE PLAN DOES NOT ABSOLVE THE CONTRACTOR FROM PROVIDING THE FEATURE GRAPHICALLY REPRESENTED ON THE DRAWING.

B. ALL DIMENSIONS SHOWN ARE TO FACE OF STUD OR MASONRY, UNLESS NOTED OTHERWISE. DIMENSIONS DESIGNATED AS "CLR OR "CLEAR" INDICATE A CLEAR DIMENSION FROM FACE OF FINISH TO FACE OF FINISH. DIMENSIONS OF EXTERIOR WALLS ARE TO OUTSIDE EDGE OF FOUNDATION.

C. DIMENSIONS FOR ALL OPENINGS FOR MECHANICAL, PLUMBING, FIRE PROTECTION AND ELECTRICAL SHALL BE FIRE STOPPED AT EACH FLOOR AND RATED WALL PENETRATION.

D. PROVIDE BRACING AND BLOCKING AS REQUIRED IN WALLS SUPPORTING CASEWORK, TACKBOARDS, MARKERBOARDS, TELEVISIONS, RESTROOM ACCESSORIES, AND ANY ADDITIONAL WALL MOUNTED EQUIPMENT. COORDINATE WALL MOUNTED EQUIPMENT WITH MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION DRAWINGS.

E. ALL COMMERCIAL DOOR FRAMES ARE LOCATED 4" FROM ADJACENT WALL, UNLESS NOTED OTHERWISE.

F. SEAL ALL JOINTS BETWEEN DISSIMILAR MATERIALS.

G. ALL GYPSUM WALLBOARD IS 5/8" TYPE "X", UNLESS NOTED OTHERWISE.

H. ALL INTERIOR WALLS ARE TYPE S6D (INSULATED 6" STUD TO DECK WITH SINGLE LAYER OF 5/8" TYPE-X GYPSUM BOARD ON BOTH SIDES OF WALL) UNLESS NOTED OTHERWISE.

I. ALL WALLS GOING TO DECK ARE TO BE SECURED TO DECK/STRUCTURE ABOVE AS REQUIRED. PROVIDE ADDITIONAL BRACING AS REQUIRED. ALL WALLS MUST BE BRACED TO COMPLY WITH ALL INDUSTRY STANDARDS. CONNECTIONS MUST BE ENGINEERED BY A LICENSED PROFESSIONAL AS PART OF THE SUBMITTAL PROCESS.

J. ALL WALLS THAT HAVE THE DESIGNATION "-C", AND ARE IN A SPACE WITH NO CEILING WILL BE 9'-4" FT TALL.

K. DRAWINGS ESTABLISH THE DESIGN INTENT OF WORK TO BE PERFORMED. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE HIGHEST INDUSTRY STANDARDS. ALL PRODUCTS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. ALL TRADES SHALL CAREFULLY COORDINATE WORK OF ALL OTHER TRADES. ANY DISCREPANCIES OR CONFLICTS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT AND THE OWNER PRIOR TO FABRICATION OR INSTALLATION.

L. CONTRACTORS SHALL BE RESPONSIBLE FOR CHECKING THE CONTRACT DOCUMENTS FOR COORDINATION BETWEEN ARCHITECTURAL, STRUCTURAL, CIVIL, MECHANICAL, ELECTRICAL, PLUMBING, SECURITY AND LANDSCAPING. CONTRACTORS SHALL BE RESPONSIBLE FOR FIELD VERIFYING EXISTING CONDITIONS AND FOR VERIFYING THEM WITH THE CONTRACT DOCUMENTS. ANY DISCREPANCY IN THE CONTRACT DRAWINGS AND SPECIFICATIONS SHALL BE BROUGHT TO THE NOTICE OF THE ARCHITECT PRIOR TO ANY FABRICATION OR CONSTRUCTION.

M. ALL CORRIDOR SURFACES SHALL BE FLUSH, AT JUNCTIONS OF MASONRY AND STUD WALLS. MASONRY WALL LOCATIONS SHALL HOLD TRUE AND MTL STUDS SHALL BE MOVED AS REQUIRED TO PROVIDE FLUSH CONNECTION BETWEEN GYP. BD. AND MASONRY. VERIFY NO. OF LAYERS OF GYP. BD. W/ WALL TYPES. RELOCATION OF WALL SHALL BE APPROVED BY ARCHITECT PRIOR TO CONST. AT TRANSITIONS FROM 1 LAYER GYP. BD. TO 2 LAYERS OF GYP. ON MTL. STUDS A MIN. CORRIDOR WIDTH OF 5'-0" FROM FACE OF STUDS SHALL BE MAINTAINED.

N. ALL BUILDING MATERIALS (INCLUDING BUT NOT LIMITED TO METAL FLASHING, VAPOR BARRIERS, AIR/WATER RESISTANT BARRIERS, THRU-WALL FLASHING, ETC.) SHALL BE LAPPED TO SHED WATER TO THE OUTSIDE OF THE BUILDING ENVELOPE.

O. SEE WALL TYPE LEGEND A0.01 FOR WALLS AND CONSTRUCTION REQUIREMENTS.

P. ALL DIAGONAL WALLS SHALL BE AT 45° (U.N.O.)

Q. ALL INTERIOR EXPOSED STEEL TO BE PAINTED. COLOR TO BE SELECTED BY ARCHITECT.

R. ALL ROUGH OPENINGS (R.O.) SHALL BE VERIFIED WITH SELECTED WINDOW AND DOOR MANUFACTURER. ANY CHANGES FROM THE BASIS OF DESIGN WILL BE COORDINATED WITH ALL TRADES AND ROUGH OPENINGS ADJUSTED AS REQUIRED. ANY DISCREPANCIES FOUND WILL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO CONSTRUCTION. ANY CHANGES AND REVISIONS WILL BE AT CONTRACTORS' EXPENSE.

S. ALL CONSTRUCTION AROUND PLUMBING FIXTURES IS REQUIRED TO BE COORDINATED WITH SELECTED MANUFACTURERS. ADJUST WALLS AS REQUIRED TO ACCOMMODATE THE INSTALLATION OF THE SELECTED MANUFACTURERS PLUMBING FIXTURES. ANY CHANGES AND REVISIONS WILL BE DONE AT CONTRACTORS' EXPENSE.

T. ALL EXPOSED STRUCTURE TO BE PRIMED AND PAINTED WITH HIGH PERFORMANCE PAINT.

U. ALL WALLS TO DECK/STRUCTURE ARE TO HAVE SOUND ATTENUATION BLANKET STUFFED FULL DEPTH AND HEIGHT OF THE CAVITY BETWEEN TOP OF WALL AND BOTTOM OF DECK/STRUCTURE. AT RATED WALLS PROVIDE MINERAL WOOL INSULATION WITH METAL CLOSURE PLATES AND FIRE RESISTIVE JOINT SYSTEM.

V. ALL ELECTRICAL DEVICES TO BE COORDINATED WITH ALL CASEWORK LOCATION. ADJUST DEVICE LOCATIONS AS REQUIRED TO AVOID CONFLICT, ANY CONFLICT NEEDS TO BE DIRECTED AND APPROVED BY ARCHITECT/ENGINEER PRIOR TO INSTALLATION. COORDINATE OUTLET LOCATION WITH EQUIPMENT INSTALLATION.

W. ALL COMMERCIAL HOLLOW METAL FRAMES IN STUD WALL CONSTRUCTION TO BE WRAP AROUND WALL DEPTH, SEE PLAN FOR WALL TYPES. ALL COMMERCIAL HOLLOW METAL FRAMES IN CMU CONSTRUCTION TO BE 5-3/4" DEEP CENTRALLY LOCATED IN THE WALL ASSEMBLY WITH BULLNOSE CMU CORNERS.

X. MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION CONTRACTOR.

Y. PROVIDE MOP/BROOM HOLDERS AT ALL MOP BASIN LOCATIONS, SEE SPECIFICATIONS FOR MANUFACTURER AND TYPE.

Z. ALL EXPOSED CONCRETE FLOORS TO BE POLISHED CONCRETE.

STUDIO VIEW ARCHITECTURE

ERIC S. WEFLEN REGISTERED No. AR11500136 STATE OF INDIANA ARCHITECT

Design Partners:

100% CONSTRUCTION DOCUMENTS

DEPARTMENT OF CORRECTIONS - PLAINFIELD

ICI WAREHOUSE EXPANSION

727 MOON RD. PLAINFIELD, IN 46168

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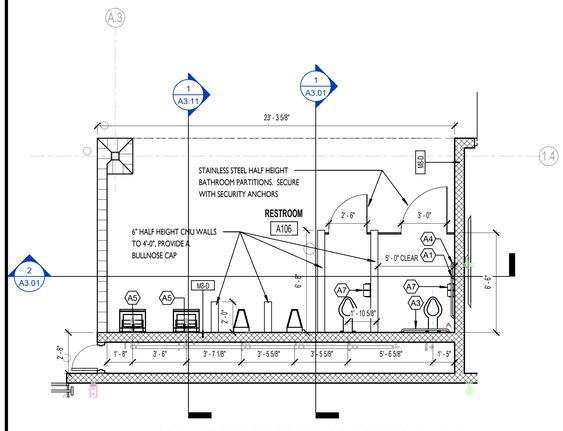
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FIRST FLOOR PLAN

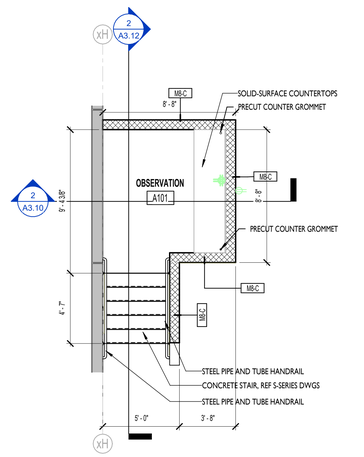
A1.01

RESTROOM ACCESSORY SCHEDULE

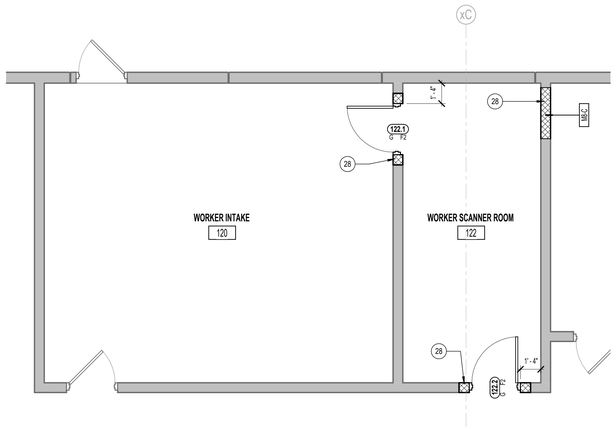
Type Mark	Keynote	Manufacturer	Model	Description	Mounting	Furnished By	Installed By
A1	10 28 00	BOBRICK	B-6806.99	GRAB BAR - 18" VERTICAL	BOTTOM @ 40" AFF	CONTRACTOR	CONTRACTOR
A2	08 31 13	SEE SPECS		SECURITY ACCESS DOOR - 24" X 32"	BOTTOM @ 24" AFF	CONTRACTOR	CONTRACTOR
A3	10 28 00	BOBRICK	B-6806.99	GRAB BAR - 36" HORIZONTAL	TOP @ 2'-11" AFF	CONTRACTOR	CONTRACTOR
A4	10 28 00	BOBRICK	B-6806.99	GRAB BAR - 42" HORIZONTAL	TOP @ 2'-11" AFF	CONTRACTOR	CONTRACTOR
A5	11 19 10		SA05	SECURITY MIRROR, STAINLESS STEEL		CONTRACTOR	CONTRACTOR
A7	10 28 00	BOBRICK	B-4288	TOILET TISSUE DISPENSER - DOUBLE	BOTTOM @ 1'-6 AFF	CONTRACTOR	CONTRACTOR



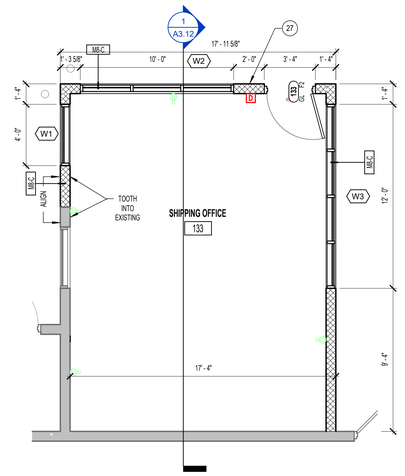
3 ENLARGED FIRST FLOOR RESTROOM PLAN
1/4" = 1'-0"
A1.02



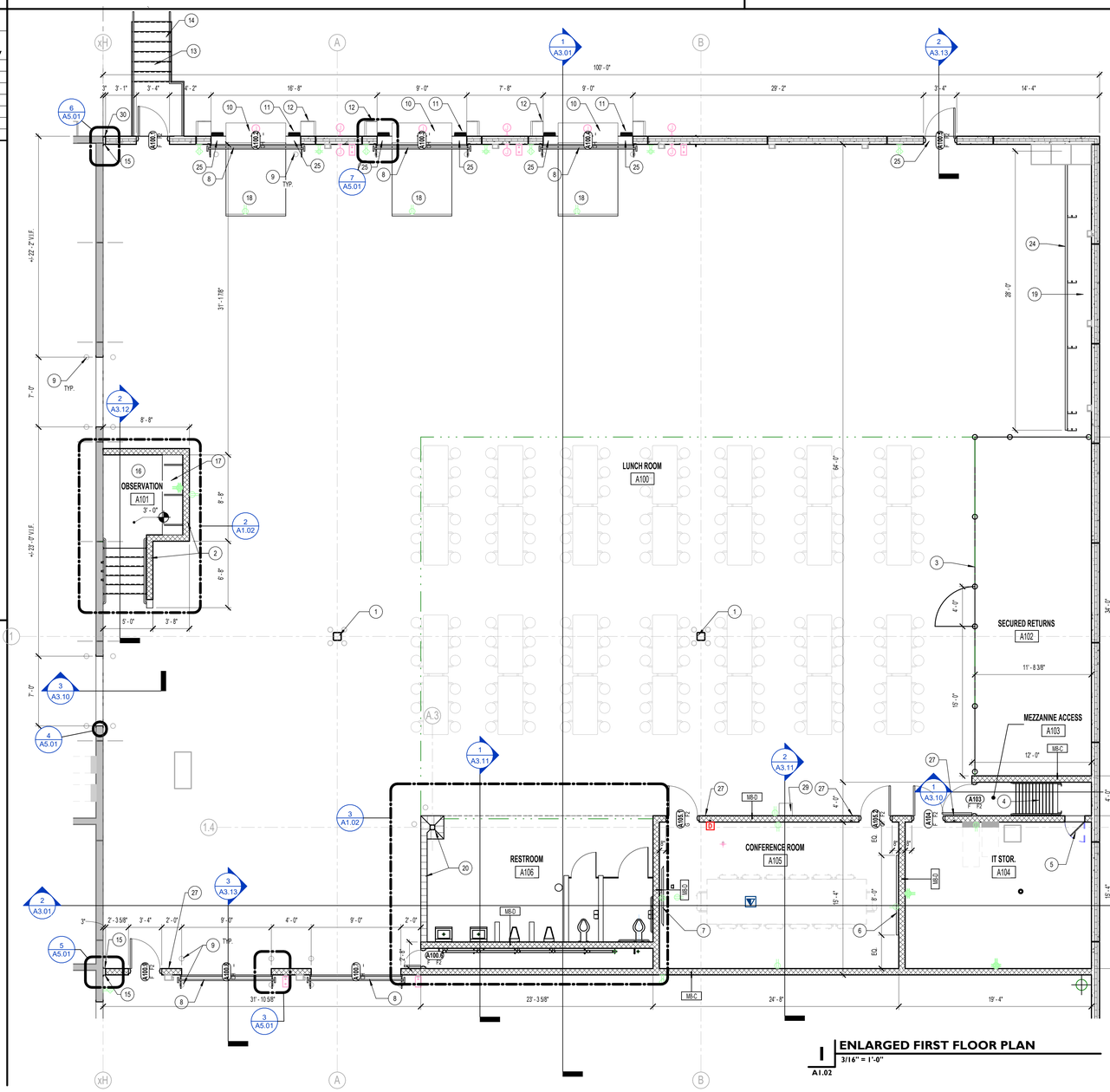
2 ENLARGED OBSERVATION PLATFORM PLAN
1/4" = 1'-0"
A1.02



5 ENLARGED RENOVATION PLAN
1/4" = 1'-0"
A1.02



6 ENLARGED SHIPPING OFFICE PLAN
1/4" = 1'-0"
A1.02



1 ENLARGED FIRST FLOOR PLAN
3/16" = 1'-0"
A1.02

FLOOR PLAN NOTES

Key	Note
1	EXPOSED STRUCTURAL STEEL COLUMN, TO BE PRIMED AND PAINTED SAFETY YELLOW TO 10'-0". TROWEL SLAB AT COLUMN EDGE TO BE LEVEL WITH OVERALL SLAB ELEVATION.
2	HALF HEIGHT WALL WITH 8" DOUBLE BULLNOSE CMU WALL CAP - SEE SECTION DETAILS
3	CHAINLINK FENCE SYSTEM. PROVIDE ALL REQUIRED ANCHORS, SUPPLEMENTAL STRUCTURE, AND ALL REQUIRED COMPONENTS FOR A FULLY WARRANTED SYSTEM. SYSTEM TO EXTEND TO 12'-0" A.F.F. PROVIDE A 4'-0" W x 8'-0" GATE WITH A CHAINLINK. PROVIDE A SECURITY ACCESS LOCKING MECHANISM. PROVIDE HORIZONTAL FENCE SYSTEM AT THE ROOF AT 12'-0". CHAINLINK MANUFACTURER TO PROVIDE ALL REQUIRED STRUCTUR, ANCHORS, ADHESIVES FOR A WARRANTED SYSTEM.
3A	CHAINLINK FENCE SYSTEM. PROVIDE ALL REQUIRED ANCHORS, SUPPLEMENTAL STRUCTURE, AND ALL REQUIRED COMPONENTS FOR A FULLY WARRANTED SYSTEM. SYSTEM TO EXTEND TO LIMITS INDICATED. PROVIDE DOUBLE SWING 7'-0" H GATE WITH A CHAINLINK. PROVIDE A SECURITY ACCESS LOCKING MECHANISM.
4	MANUFACTURED METAL SHIPS LADDER WITH ALL REQUIRED ANCHORS AND SUPPLEMENTARY FRAMING REQUIRED FOR A FULLY WARRANTED SYSTEM. PROVIDE MANUFACTURER STANDARD RAILING MIN. SCHEDULE 40 PIPE. EXTEND RAILING PAST TOP LANDING TO 3'-0" A.F.F.
5	MANUFACTURED METAL ACCESS PANEL 24" WIDE x 32" TALL AT 16" A.F.F. ACCESS PANEL TO BE SHOP PRIMED AND PAINTED FINISH TO BE SELECTED BY ARCHITECT FROM MANUFACTURERS FULL RANGE.
6	MANUFACTURED DRY ERASE MARKER BOARD - 8'-0" WIDE x
7	OWNER PROVIDED TELEVISION - CONTRACTOR TO PROVIDE POWER AND DATA
8	MANUFACTURED MOTORIZED OVERHEAD DOOR - FINISH TO BE SELECTED BY ARCHITECT/OWNER FROM MANUFACTURERS FULL RANGE
9	OWNER PROVIDED 8" STEEL BOLLARD TO 42" A.F.F. CONCRETE FILLED WITH DOMMED TOP. PAINT ENTIRE ASSEMBLY SAFETY YELLOW
10	MANUFACTURED DOCK LEVELER WITH 27" PLATE
11	MANUFACTURED DOCK BUMPERS
12	MANUFACTURED DOCK CANOPY ENCLOSURE
13	MONOLITHIC CONCRETE STAIR AND LANDING. EXTEND CONCRETE TO FOOTER
14	UTILITY TYPE GUARD RAIL - SCH. 40 PIPE MINIMUM 1-1/4 O.D. MIN. BALUSTER AT EACH CORNER AND 4'-0" ON CENTER. CORE DRILL CONCRETE AND SET RAILING BALUSTERS IN CONCRETE. GROUT OPENINGS POST INSTALLATION
15	MANUFACTURED ALUMINUM CORNER WALL TO WALL EXPANSION JOINT COVER. EXTEND FULL HEIGHT OF WALL TO UNDERSIDE OF DECK
16	ELEVATED CONCRETE SLAB TO ELEVATION INDICATED. PROVIDE DRY FILL SAND AS INFILL BETWEEN SLAB
17	MANUFACTURED SOLID SURFACE COUNTERTOP - 1-1/4 WITH EASE EDGE AND BACKSPLASH. MOUNTED AT SEATED HEIGHT. PROVIDE WALL MOUNTED SUPPORT BRACKETS AT 4'-0" O.C. CENTER ON FULL LENGTH OF COUNTERTOP. PROVIDE GROMMETS AT EACH INSIDE WALL CORNER (2)
18	MANUFACTURED DOCK LEVELER LIFT - HYDROLIC
19	MEP EQUIPMENT - SEE MECHANICAL/ELECTRICAL/PLUMBING DRAWINGS. SEALL ALL THROUGH WALL AND FLOOR PENETRATIONS. THROUGH FLOOR AND RATED WALL PENETRATIONS TO BE SEALED WITH FIRE RATED JOINT SYSTEM
20	8" CMU WALL TO 4'-0" WITH A 4" BULLNOSE CAP. CAP TO EXTEND AROUND COLUMN. CUT CMU AS REQUIRED. PROVIDE ADDITIONAL FRAMING AS REQUIRED TO ANCHOR AROUND COLUMN
21	LINE OF CANOPY ABOVE
22	ALTERNATE SCOPE. SEE DEMO DRAWINGS FOR SCOPE
23	HEAVY DUTY HIGH PILE STORAGE SYSTEM - TO MATCH EXISTING
24	MANUFACTURED STEEL VEHICULAR CRASH BARRIER SYSTEM
25	EXTEND SLAB TO THE EXTERIOR FACE OF PRECAST
26	REMOVABLE RAILING SECTION
27	MANUFACTURED ROOM SIGNAGE WITH BRAILLE.
28	TOOTH IN NEW CMU INTO EXISTING
29	FREE STANDING BOTTLE FILLER - OWNER PROVIDED. PROVIDE PLUMBING CONNECTION. SEE PLUMBING DRAWINGS.
30	MANUFACTURED EXTERIOR WALL TO WALL EXPANSION JOINT COVER. EXTEND FULL HEIGHT OF WALL
31	PROVIDE NEW DOOR SEALS AND THRESHOLD SET IN SEALANT. PROVIDE NEW SEALANT AT THE FULL PERIMETER OF EXISTING FRAME

GENERAL PLAN NOTES

A. PLAN NOTES INDICATE ONE GRAPHIC REPRESENTATION TYPICAL. THE CONTRACTOR SHALL USE THE GRAPHIC REPRESENTATIONS FOR THE COUNT, NOT THE KEYED PLAN NOTES. THE ABSENCE OF A KEYED PLAN NOTE ON THE PLAN DOES NOT ABSOLVE THE CONTRACTOR FROM PROVIDING THE FEATURE GRAPHICALLY REPRESENTED ON THE DRAWING.

B. ALL DIMENSIONS SHOWN ARE TO FACE OF STUD OR MASONRY, UNLESS NOTED OTHERWISE. DIMENSIONS DESIGNATED AS "CLR OR "CLEAR" INDICATE A CLEAR DIMENSION FROM FACE OF FINISH TO FACE OF FINISH. DIMENSIONS OF EXTERIOR WALLS ARE TO OUTSIDE EDGE OF FOUNDATION.

C. DIMENSIONS FOR ALL OPENINGS FOR MECHANICAL, PLUMBING, FIRE PROTECTION AND ELECTRICAL SHALL BE FIRE STOPPED AT EACH FLOOR AND RATED WALL PENETRATION.

D. PROVIDE BRACING AND BLOCKING AS REQUIRED IN WALLS SUPPORTING CASEWORK, TACKBOARDS, MARKERBOARDS, TELEVISIONS, RESTROOM ACCESSORIES, AND ANY ADDITIONAL WALL MOUNTED EQUIPMENT. COORDINATE WALL MOUNTED EQUIPMENT WITH MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION DRAWINGS.

E. ALL COMMERCIAL DOOR FRAMES ARE LOCATED 4" FROM ADJACENT WALL, UNLESS NOTED OTHERWISE.

F. SEAL ALL JOINTS BETWEEN DISSIMILAR MATERIALS.

G. ALL GYPSUM WALLBOARD IS 5/8" TYPE "X", UNLESS NOTED OTHERWISE.

H. ALL INTERIOR WALLS ARE TYPE S6D (INSULATED 6" STUD TO DECK WITH SINGLE LAYER OF 5/8" TYPE-X GYPSUM BOARD ON BOTH SIDES OF WALL) UNLESS NOTED OTHERWISE.

I. ALL WALLS GOING TO DECK ARE TO BE SECURED TO DECK/STRUCTURE ABOVE AS REQUIRED. PROVIDE ADDITIONAL BRACING AS REQUIRED. ALL WALLS MUST BE BRACED TO COMPLY WITH ALL INDUSTRY STANDARDS. CONNECTIONS MUST BE ENGINEERED BY A LICENSED PROFESSIONAL AS PART OF THE SUBMITTAL PROCESS.

J. ALL WALLS THAT HAVE THE DESIGNATION ".C", AND ARE IN A SPACE WITH NO CEILING WILL BE 9'-4" FT TALL.

K. DRAWINGS ESTABLISH THE DESIGN INTENT OF WORK TO BE PERFORMED. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE HIGHEST INDUSTRY STANDARDS. ALL PRODUCTS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. ALL TRADES SHALL CAREFULLY COORDINATE WORK OF ALL OTHER TRADES. ANY DISCREPANCIES OR CONFLICTS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT AND THE OWNER PRIOR TO FABRICATION OR INSTALLATION.

L. CONTRACTORS SHALL BE RESPONSIBLE FOR CHECKING THE CONTRACT DOCUMENTS FOR COORDINATION BETWEEN ARCHITECTURAL, STRUCTURAL, CIVIL, MECHANICAL, ELECTRICAL, PLUMBING, SECURITY AND LANDSCAPING. CONTRACTORS SHALL BE RESPONSIBLE FOR FIELD VERIFYING EXISTING CONDITIONS AND FOR VERIFYING THEM WITH THE CONTRACT DOCUMENTS. ANY DISCREPANCY IN THE CONTRACT DRAWINGS AND SPECIFICATIONS SHALL BE BROUGHT TO THE NOTICE OF THE ARCHITECT PRIOR TO ANY FABRICATION OR CONSTRUCTION.

M. ALL CORRIDOR SURFACES SHALL BE FLUSH. AT JUNCTIONS OF MASONRY AND STUD WALLS, MASONRY WALL LOCATIONS SHALL HOLD TRUE AND MTL STUDS SHALL BE MOVED AS REQUIRED TO PROVIDE FLUSH CONNECTION BETWEEN GYP. BD. AND MASONRY. VERIFY NO. OF LAYERS OF GYP. BD. W/ WALL TYPES. RELOCATION OF WALL SHALL BE APPROVED BY ARCHITECT PRIOR TO CONST. AT TRANSITIONS FROM 1 LAYER GYP. BD. TO 2 LAYERS OF GYP. ON MTL. STUDS A MIN. CORRIDOR WIDTH OF 5'-0" FROM FACE OF STUDS SHALL BE MAINTAINED.

N. ALL BUILDING MATERIALS (INCLUDING BUT NOT LIMITED TO METAL FLASHING, VAPOR BARRIERS, AIR/WATER RESISTANT BARRIERS, THRU-WALL FLASHING, ETC.) SHALL BE LAPPED TO SHED WATER TO THE OUTSIDE OF THE BUILDING ENVELOPE.

O. SEE WALL TYPE LEGEND A0.01 FOR WALLS AND CONSTRUCTION REQUIREMENTS.

P. ALL DIAGONAL WALLS SHALL BE AT 45° (U.N.O.)

Q. ALL INTERIOR EXPOSED STEEL TO BE PAINTED. COLOR TO BE SELECTED BY ARCHITECT.

R. ALL ROUGH OPENINGS (R.O.) SHALL BE VERIFIED WITH SELECTED WINDOW AND DOOR MANUFACTURER. ANY CHANGES FROM THE BASIS OF DESIGN WILL BE COORDINATED WITH ALL TRADES AND ROUGH OPENINGS ADJUSTED AS REQUIRED. ANY DISCREPANCIES FOUND WILL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO CONSTRUCTION. ANY CHANGES AND REVISIONS WILL BE AT CONTRACTORS' EXPENSE.

S. ALL CONSTRUCTION AROUND PLUMBING FIXTURES IS REQUIRED TO BE COORDINATED WITH SELECTED MANUFACTURERS. ADJUST WALLS AS REQUIRED TO ACCOMMODATE THE INSTALLATION OF THE SELECTED MANUFACTURERS PLUMBING FIXTURES. ANY CHANGES AND REVISIONS WILL BE DONE AT CONTRACTORS' EXPENSE.

T. ALL EXPOSED STRUCTURE TO BE PRIMED AND PAINTED WITH HIGH PERFORMANCE PAINT.

U. ALL WALLS TO DECK/STRUCTURE ARE TO HAVE SOUND ATTENUATION BLANKET STUFFED FULL DEPTH AND HEIGHT OF THE CAVITY BETWEEN TOP OF WALL AND BOTTOM OF DECK/STRUCTURE. AT RATED WALLS PROVIDE MINERAL WOOL INSULATION WITH METAL CLOSURE PLATES AND FIRE RESISTIVE JOINT SYSTEM.

V. ALL ELECTRICAL DEVICES TO BE COORDINATED WITH ALL CASEWORK LOCATION. ADJUST DEVICE LOCATIONS AS REQUIRED TO AVOID CONFLICT, ANY CONFLICT NEEDS TO BE DIRECTED AND APPROVED BY ARCHITECT/ENGINEER PRIOR TO INSTALLATION. COORDINATE OUTLET LOCATION WITH EQUIPMENT INSTALLATION.

W. ALL COMMERCIAL HOLLOW METAL FRAMES IN STUD WALL CONSTRUCTION TO BE WRAP AROUND WALL DEPTH, SEE PLAN FOR WALL TYPES. ALL COMMERCIAL HOLLOW METAL FRAMES IN CMU CONSTRUCTION TO BE 5-3/4" DEEP CENTRALLY LOCATED IN THE WALL ASSEMBLY WITH BULLNOSE CMU CORNERS.

X. MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION CONTRACTOR.

Y. PROVIDE MOP/BROOM HOLDERS AT ALL MOP BASIN LOCATIONS, SEE SPECIFICATIONS FOR MANUFACTURER AND TYPE.

Z. ALL EXPOSED CONCRETE FLOORS TO BE POLISHED CONCRETE.

STUDIO VIEW ARCHITECTURE

ERIC S. WEFLEN REGISTERED No. AR11500138 STATE OF INDIANA ARCHITECT

Design Partners:

100% CONSTRUCTION DOCUMENTS
DEPARTMENT OF CORRECTIONS - PLAINFIELD
ICI WAREHOUSE EXPANSION
727 MOON RD. PLAINFIELD, IN 46168

#	Revision	Date

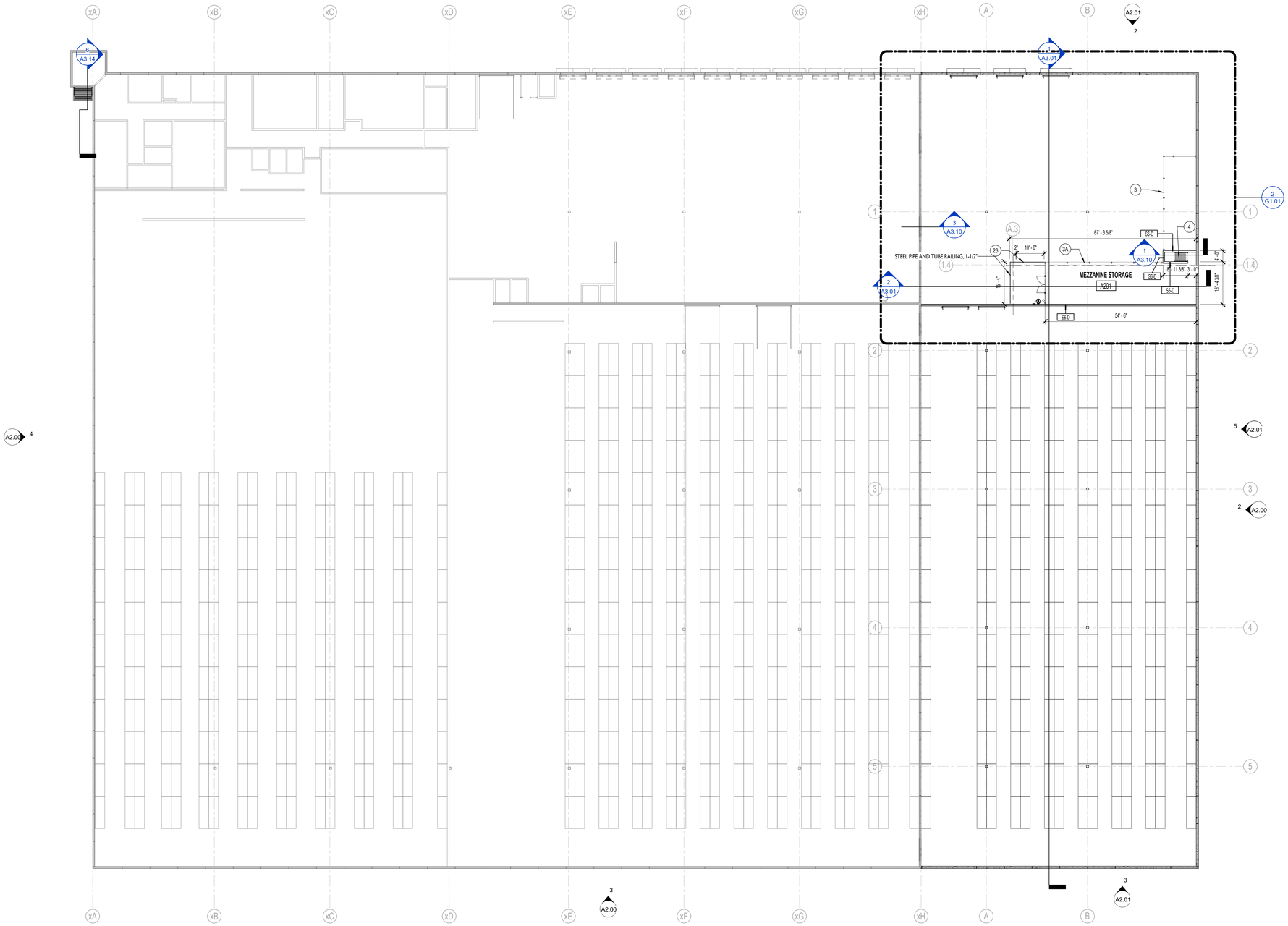
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Project #: 32011091-2026-003

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ENLARGED FIRST FLOOR PLAN

A1.02



I SECOND FLOOR PLAN
A1.03 1/16" = 1'-0"

FLOOR PLAN NOTES

# Key	Note
1	EXPOSED STRUCTURAL STEEL COLUMN, TO BE PRIMED AND PAINTED SAFETY YELLOW TO 10'-0". TROWEL SLAB AT COLUMN EDGE TO BE LEVEL WITH OVERALL SLAB ELEVATION.
2	HALF HEIGHT WALL WITH 8" DOUBLE BULLNOSE CMU WALL CAP - SEE SECTION DETAILS
3	CHAINLINK FENCE SYSTEM. PROVIDE ALL REQUIRED ANCHORS, SUPPLEMENTAL STRUCTURE, AND ALL REQUIRED COMPONENTS FOR A FULLY WARRANTED SYSTEM. SYSTEM TO EXTEND TO 12'-0" A.F.F. PROVIDE A 4'-0" W x 8'-0" H GATE WITH A CHAINLINK. PROVIDE A SECURITY ACCESS LOCKING MECHANISM. PROVIDE HORIZONTAL FENCE SYSTEM AT THE ROOF AT 12'-0". CHAINLINK MANUFACTURER TO PROVIDE ALL REQUIRED STRUCTUR, ANCHORS, ADHESIVES FOR A WARRANTED SYSTEM.
3A	CHAINLINK FENCE SYSTEM. PROVIDE ALL REQUIRED ANCHORS, SUPPLEMENTAL STRUCTURE, AND ALL REQUIRED COMPONENTS FOR A FULLY WARRANTED SYSTEM. SYSTEM TO EXTEND TO LIMITS INDICATED. PROVIDE DOUBLE SWING 7'-0" H GATE WITH A CHAINLINK. PROVIDE A SECURITY ACCESS LOCKING MECHANISM.
4	MANUFACTURED METAL SHIPS LADDER WITH ALL REQUIRED ANCHORS AND SUPPLEMENTARY FRAMING REQUIRED FOR A FULLY WARRANTED SYSTEM. PROVIDE MANUFACTURER STANDARD RAILING MIN. SCHEDULE 40 PIPE. EXTEND RAILING PAST TOP LANDING TO 3'-0" A.F.F.
5	MANUFACTURED METAL ACCESS PANEL 24" WIDE x 32" TALL AT 16" A.F.F. ACCESS PANEL TO BE SHOP PRIMED AND PAINTED. FINISH TO BE SELECTED BY ARCHITECT FROM MANUFACTURERS FULL RANGE.
6	MANUFACTURED DRY ERASE MARKER BOARD - 8'-0" WIDE x
7	OWNER PROVIDED TELEVISION - CONTRACTOR TO PROVIDE POWER AND DATA
8	MANUFACTURED MOTORIZED OVERHEAD DOOR - FINISH TO BE SELECTED BY ARCHITECT/OWNER FROM MANUFACTURERS FULL RANGE
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C. DIMENSIONS FOR ALL OPENINGS FOR MECHANICAL, PLUMBING, FIRE PROTECTION AND ELECTRICAL SHALL BE FIRE STOPPED AT EACH FLOOR AND RATED WALL PENETRATION.

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O SEE WALL TYPE LEGEND A0.01 FOR WALLS AND CONSTRUCTION REQUIREMENTS.

P. ALL DIAGONAL WALLS SHALL BE AT 45° (U.N.O.)

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S. ALL CONSTRUCTION AROUND PLUMBING FIXTURES IS REQUIRED TO BE COORDINATED WITH SELECTED MANUFACTURERS. ADJUST WALLS AS REQUIRED TO ACCOMMODATE THE INSTALLATION OF THE SELECTED MANUFACTURERS PLUMBING FIXTURES. ANY CHANGES AND REVISIONS WILL BE DONE AT CONTRACTORS' EXPENSE.

T. ALL EXPOSED STRUCTURE TO BE PRIMED AND PAINTED WITH HIGH PERFORMANCE PAINT.

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V. ALL ELECTRICAL DEVICES TO BE COORDINATED WITH ALL CASEWORK LOCATION. ADJUST DEVICE LOCATIONS AS REQUIRED TO AVOID CONFLICT, ANY CONFLICT NEEDS TO BE DIRECTED AND APPROVED BY ARCHITECT/ENGINEER PRIOR TO INSTALLATION. COORDINATE OUTLET LOCATION WITH EQUIPMENT INSTALLATION.

W. ALL COMMERCIAL HOLLOW METAL FRAMES IN STUD WALL CONSTRUCTION TO BE WRAP AROUND WALL DEPTH. SEE PLAN FOR WALL TYPES. ALL COMMERCIAL HOLLOW METAL FRAMES IN CMU CONSTRUCTION TO BE 5-3/4" DEEP CENTRALLY LOCATED IN THE WALL ASSEMBLY WITH BULLNOSE CMU CORNERS.

X. MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION CONTRACTOR.

Y. PROVIDE MOP/BROOM HOLDERS AT ALL MOP BASIN LOCATIONS, SEE SPECIFICATIONS FOR MANUFACTURER AND TYPE.

Z. ALL EXPOSED CONCRETE FLOORS TO BE POLISHED CONCRETE.

STUDIO VIEW ARCHITECTURE

ERIC S. WEFLEN REGISTERED No. AR11500136 STATE OF INDIANA ARCHITECT

Design Partners:

100% CONSTRUCTION DOCUMENTS

DEPARTMENT OF CORRECTIONS - PLAINFIELD

ICI WAREHOUSE EXPANSION

727 MOON RD. PLAINFIELD, IN 46168

#	Revision	Date

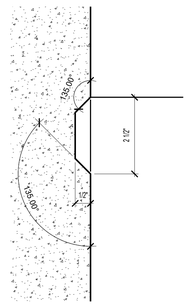
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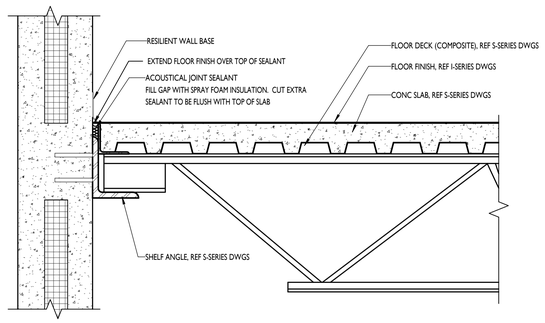
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MEZZANINE FLOOR PLAN

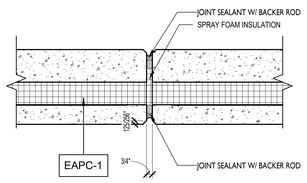
A1.03



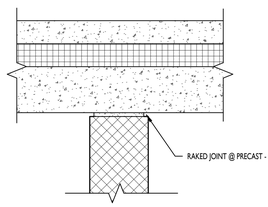
7 TYPICAL PRECAST REVEAL
6" = 1'-0"
A1.10



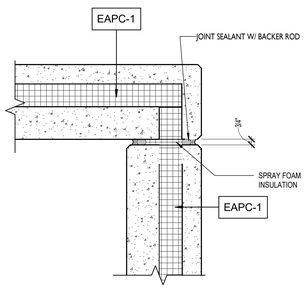
6 PRECAST DETAIL AT SECOND FLOOR
1 1/2" = 1'-0"
A1.10



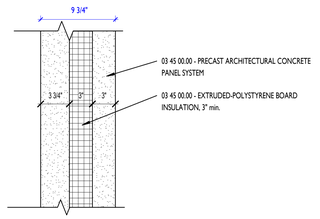
5 PRECAST CONNECTION DETAIL
1 1/2" = 1'-0"
A1.10



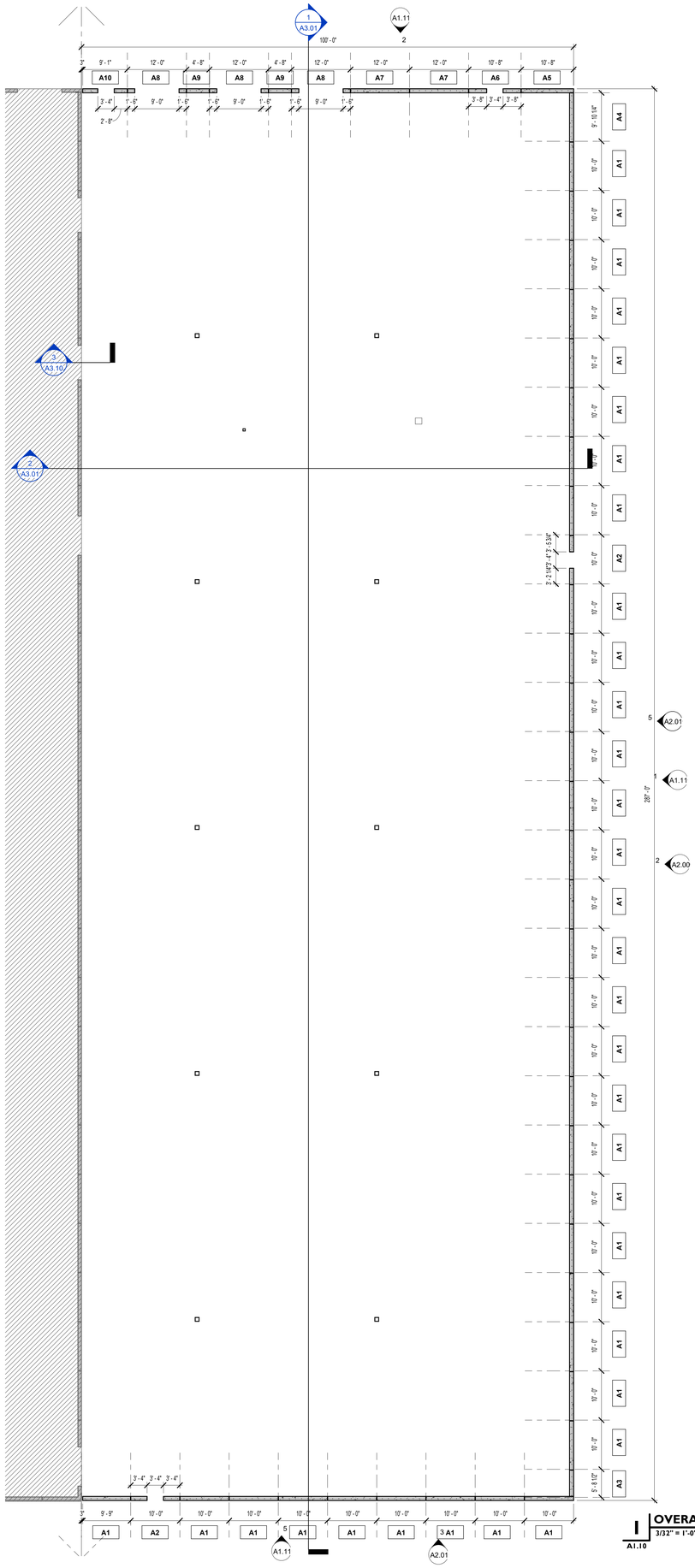
4 RAKED JOINT @ PRECAST
1 1/2" = 1'-0"
A1.10



3 PRECAST CORNER DETAIL
1 1/2" = 1'-0"
A1.10



2 EPAC-1 PRECAST CONCRETE WALL TYPE
1 1/2" = 1'-0"
A1.10



1 OVERALL NEW PRECAST PLAN
3/32" = 1'-0"
A1.10

FLOOR PLAN NOTES

Key	Note
1	EXPOSED STRUCTURAL STEEL COLUMN, TO BE PRIMED AND PAINTED SAFETY YELLOW TO 10'-0". TROWEL SLAB AT COLUMN EDGE TO BE LEVEL WITH OVERALL SLAB ELEVATION.
2	HALF HEIGHT WALL WITH 8" DOUBLE BULLNOSE CMU WALL CAP - SEE SECTION DETAILS
3	CHAINLINK FENCE SYSTEM. PROVIDE ALL REQUIRED ANCHORS, SUPPLEMENTAL STRUCTURE, AND ALL REQUIRED COMPONENTS FOR A FULLY WARRANTED SYSTEM. SYSTEM TO EXTEND TO 12'-0" A.F.F. PROVIDE A 4'-0" W x 8'-0" H GATE WITH A CHAINLINK. PROVIDE A SECURITY ACCESS LOCKING MECHANISM. PROVIDE HORIZONTAL FENCE SYSTEM AT THE ROOF AT 12'-0". CHAINLINK MANUFACTURER TO PROVIDE ALL REQUIRED STRUCTUR, ANCHORS, ADHESIVES FOR A WARRANTED SYSTEM.
3A	CHAINLINK FENCE SYSTEM. PROVIDE ALL REQUIRED ANCHORS, SUPPLEMENTAL STRUCTURE, AND ALL REQUIRED COMPONENTS FOR A FULLY WARRANTED SYSTEM. SYSTEM TO EXTEND TO LIMITS INDICATED. PROVIDE DOUBLE SWING 7'-0" H GATE WITH A CHAINLINK. PROVIDE A SECURITY ACCESS LOCKING MECHANISM.
4	MANUFACTURED METAL SHIPS LADDER WITH ALL REQUIRED ANCHORS AND SUPPLEMENTARY FRAMING REQUIRED FOR A FULLY WARRANTED SYSTEM. PROVIDE MANUFACTURER STANDARD RAILING MIN. SCHEDULE 40 PIPE. EXTEND RAILING PAST TOP LANDING TO 3'-0" A.F.F.
5	MANUFACTURED METAL ACCESS PANEL 24" WIDE x 32" TALL AT 16" A.F.F. ACCESS PANEL TO BE SHOP PRIMED AND PAINTED FINISH TO BE SELECTED BY ARCHITECT FROM MANUFACTURERS FULL RANGE.
6	MANUFACTURED DRY ERASE MARKER BOARD - 8'-0" WIDE x
7	OWNER PROVIDED TELEVISION - CONTRACTOR TO PROVIDE POWER AND DATA
8	MANUFACTURED MOTORIZED OVERHEAD DOOR - FINISH TO BE SELECTED BY ARCHITECT/OWNER FROM MANUFACTURERS FULL RANGE
9	OWNER PROVIDED 8" STEEL BOLLARD TO 42" A.F.F. CONCRETE FILLED WITH DOMMED TOP. PAINT ENTIRE ASSEMBLY SAFETY YELLOW
10	MANUFACTURED DOCK LEVELER WITH 27" PLATE
11	MANUFACTURED DOCK BUMPERS
12	MANUFACTURED DOCK CANOPY ENCLOSURE
13	MONOLITHIC CONCRETE STAIR AND LANDING. EXTEND CONCRETE TO FOOTER
14	UTILITY TYPE GUARD RAIL - SCH. 40 PIPE MINIMUM 1-1/4 O.D. MIN. BALUSTER AT EACH CORNER AND 4'-0" ON CENTER. CORE DRILL CONCRETE AND SET RAILING BALUSTERS IN CONCRETE. GROUT OPENINGS POST INSTALLATION
15	MANUFACTURED ALUMINUM CORNER WALL TO WALL EXPANSION JOINT COVER. EXTEND FULL HEIGHT OF WALL TO UNDERSIDE OF DECK
16	ELEVATED CONCRETE SLAB TO ELEVATION INDICATED. PROVIDE DRY FILL SAND AS INFILL BETWEEN SLAB
17	MANUFACTURED SOLID SURFACE COUNTERTOP - 1-1/4 WITH EASE EDGE AND BACKSPLASH. MOUNTED AT SEATED HEIGHT. PROVIDE WALL MOUNTED SUPPORT BRACKETS AT 4'-0" O.C. CENTER ON FULL LENGTH OF COUNTERTOP. PROVIDE GROMMETS AT EACH INSIDE WALL CORNER (2)
18	MANUFACTURED DOCK LEVELER LIFT - HYDROLIC
19	MEP EQUIPMENT - SEE MECHANICAL/ELECTRICAL/PLUMBING DRAWINGS. SEALL ALL THROUGH WALL AND FLOOR PENETRATIONS. THROUGH FLOOR AND RATED WALL PENETRATIONS TO BE SEALED WITH FIRE RATED JOINT SYSTEM
20	8" CMU WALL TO 4'-0" WITH A 4" BULLNOSE CAP. CAP TO EXTEND AROUND COLUMN. CUT CMU AS REQUIRED. PROVIDE ADDITIONAL FRAMING AS REQUIRED TO ANCHOR AROUND COLUMN
21	LINE OF CANOPY ABOVE
22	ALTERNATE SCOPE. SEE DEMO DRAWINGS FOR SCOPE
23	HEAVY DUTY HIGH PILE STORAGE SYSTEM - TO MATCH EXISTING
24	MANUFACTURED STEEL VEHICULAR CRASH BARRIER SYSTEM
25	EXTEND SLAB TO THE EXTERIOR FACE OF PRECAST
26	REMOVABLE RAILING SECTION
27	MANUFACTURED ROOM SIGNAGE WITH BRAILLE.
28	TOOTH IN NEW CMU INTO EXISTING
29	FREE STANDING BOTTLE FILLER - OWNER PROVIDED. PROVIDE PLUMBING CONNECTION. SEE PLUMBING DRAWINGS.
30	MANUFACTURED EXTERIOR WALL TO WALL EXPANSION JOINT COVER. EXTEND FULL HEIGHT OF WALL
31	PROVIDE NEW DOOR SEALS AND THRESHOLD SET IN SEALANT. PROVIDE NEW SEALANT AT THE FULL PERIMETER OF EXISTING FRAME

GENERAL PRECAST NOTES

1. CAULK ALL JOINTS BETWEEN PANELS AND JOINTS BETWEEN PANEL AND ADJACENT WALL, PER SPECIFICATIONS.
2. BUILDING SHELL WALLS ARE TYPE EPAC-1. (PRECAST ARCHITECTURAL CONCRETE). UNLESS NOTED OTHERWISE.
3. THE BOTTOM OF PANELS MAY VARY. COORDINATE BOTTOM OF PANELS WITH FOUNDATION ELEVATIONS.
4. CHAMFER ALL REVEALS AND PANEL EDGES.
5. COORDINATE REQUIREMENTS OF STRUCTURAL STEEL WITH S-SERIES DRAWINGS.
6. PANEL WIDTH DIMENSIONS ARE TO CENTERLINE OF JOINT BETWEEN PANELS.
7. ALL REVEALS ARE 3/4" IN DEPTH.
8. FOUNDATIONS ARE FOR REFERENCE. REFER TO S-SERIES DRAWINGS FOR SCOPE DEFINITION.
9. ALL INTERIOR SIDES OF PANELS ARE TO HAVE A SMOOTH FINISH.
10. ALL PRECAST PANELS ARE TO COORDINATE WITH ALL STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL SYSTEMS. ANY AND ALL PENETRATIONS ARE TO BE COORDINATED AND FABRICATED INTO THE PANEL. CORE DRILLING UP TO A CERTAIN SIZE THROUGH A PANEL IS PERMITTED WITH PRIOR APPROVAL FROM THE PRECAST PANEL MANUFACTURER. SIZE REQUIREMENTS ARE TO BE APPROVED BY PANEL MANUFACTURER.
11. PROVIDE TREATED WOOD BLOCKING AT HEADS AND JAMBS OF OPENINGS .

STUDIO VIEW ARCHITECTURE

ERIC S. WEFLEN
REGISTERED
No. AR11500138
STATE OF INDIANA
ARCHITECT

Design Partners:

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DEPARTMENT OF CORRECTIONS - PLAINFIELD
ICI WAREHOUSE EXPANSION
727 MOON RD. PLAINFIELD, IN 46168

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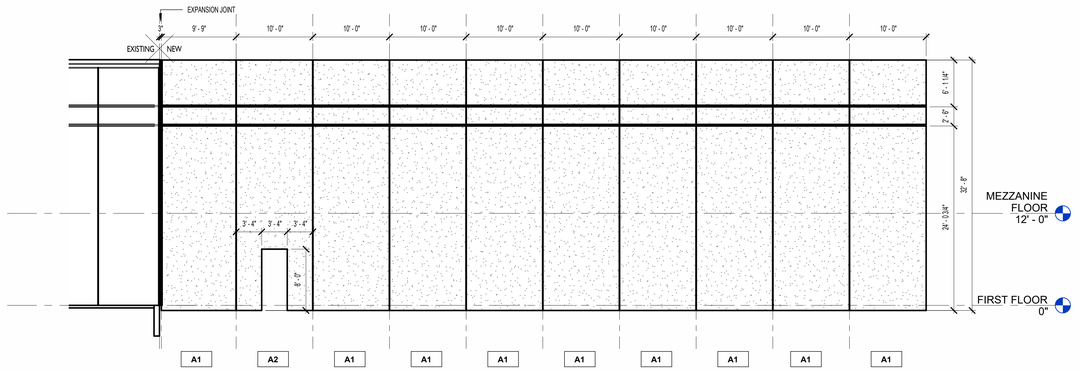
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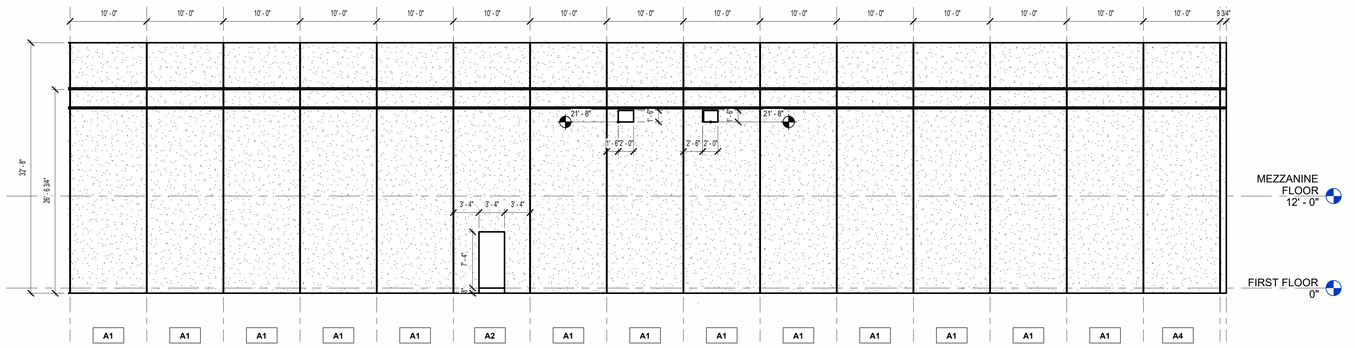
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OVERALL PRECAST PLAN

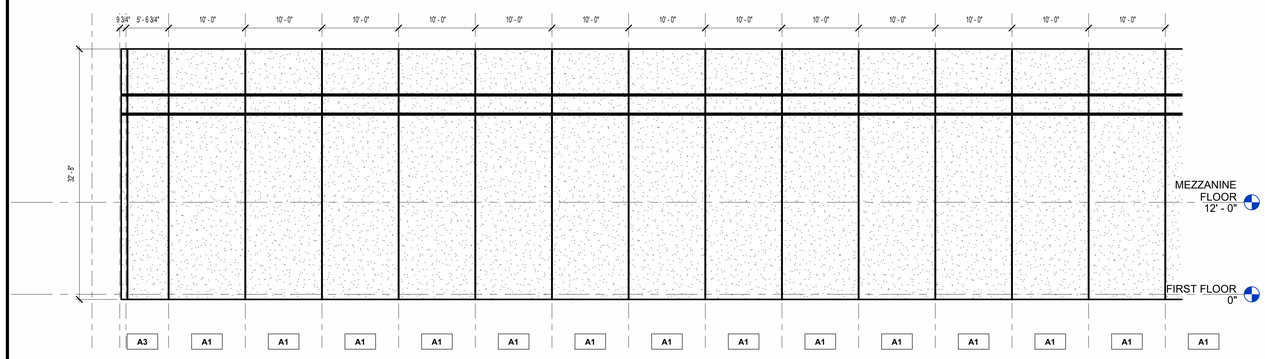
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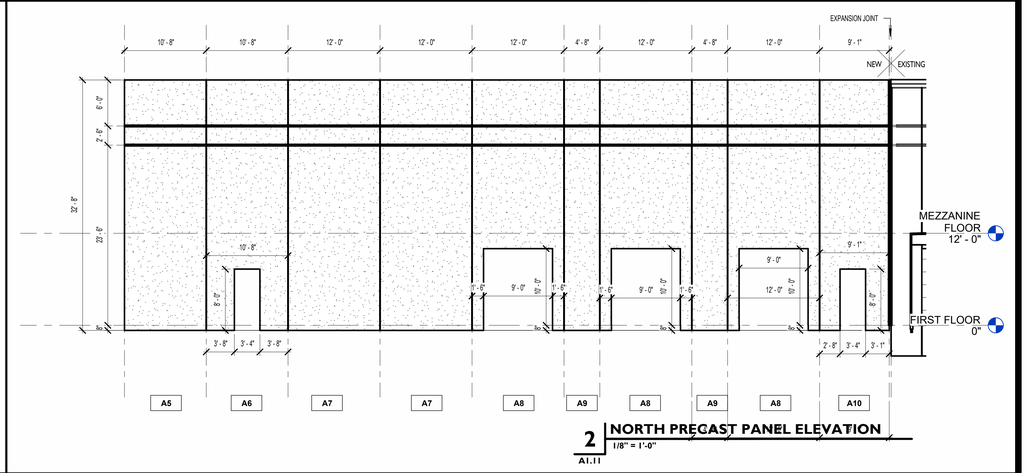
5 SOUTH PRECAST ELEVATION
1/8" = 1'-0"
A1.11



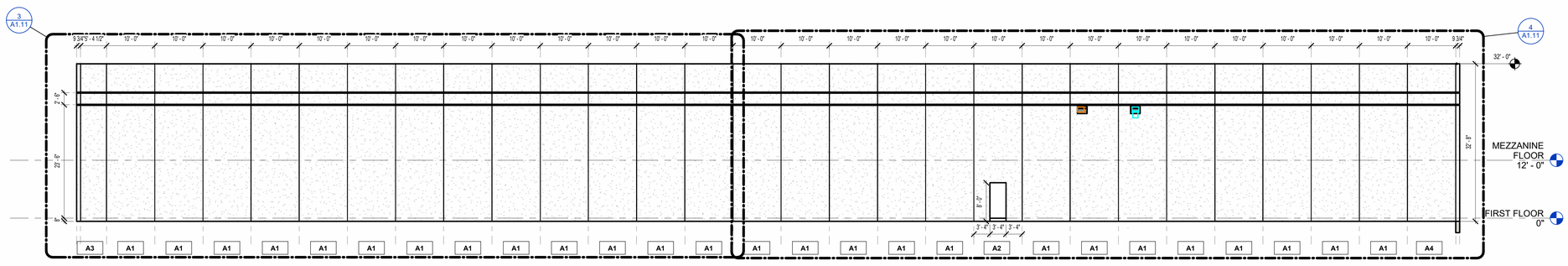
4 EAST PRECAST ELEVATION - 2
1/8" = 1'-0"
A1.11



3 EAST PRECAST ELEVATION - 1
1/8" = 1'-0"
A1.11



2 NORTH PRECAST PANEL ELEVATION
1/8" = 1'-0"
A1.11



1 OVERALL EAST PRECAST PANEL ELEVATIONS
3/32" = 1'-0"
A1.11

GENERAL PRECAST NOTES

1. CAULK ALL JOINTS BETWEEN PANELS AND JOINTS BETWEEN PANEL AND ADJACENT WALL, PER SPECIFICATIONS.
2. BUILDING SHELL WALLS ARE TYPE EPAC-1. (PRECAST ARCHITECTURAL CONCRETE). UNLESS NOTED OTHERWISE.
3. THE BOTTOM OF PANELS MAY VARY. COORDINATE BOTTOM OF PANELS WITH FOUNDATION ELEVATIONS.
4. CHAMFER ALL REVEALS AND PANEL EDGES.
5. COORDINATE REQUIREMENTS OF STRUCTURAL STEEL WITH S-SERIES DRAWINGS.
6. PANEL WIDTH DIMENSIONS ARE TO CENTERLINE OF JOINT BETWEEN PANELS.
7. ALL REVEALS ARE 3/4" IN DEPTH.
8. FOUNDATIONS ARE FOR REFERENCE. REFER TO S-SERIES DRAWINGS FOR SCOPE DEFINITION.
9. ALL INTERIOR SIDES OF PANELS ARE TO HAVE A SMOOTH FINISH.
10. ALL PRECAST PANELS ARE TO COORDINATE WITH ALL STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL SYSTEMS. ANY AND ALL PENETRATIONS ARE TO BE COORDINATED AND FABRICATED INTO THE PANEL. CORE DRILLING UP TO A CERTAIN SIZE THROUGH A PANEL IS PERMITTED WITH PRIOR APPROVAL FROM THE PRECAST PANEL MANUFACTURER. SIZE REQUIREMENTS ARE TO BE APPROVED BY PANEL MANUFACTURER.
11. PROVIDE TREATED WOOD BLOCKING AT HEADS AND JAMBS OF OPENINGS .

STUDIO VIEW ARCHITECTURE

ERIC S. WEFLEN REGISTERED No. AR11500138 STATE OF INDIANA ARCHITECT

Design Partners:

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DEPARTMENT OF CORRECTIONS - PLAINFIELD
ICI WAREHOUSE EXPANSION
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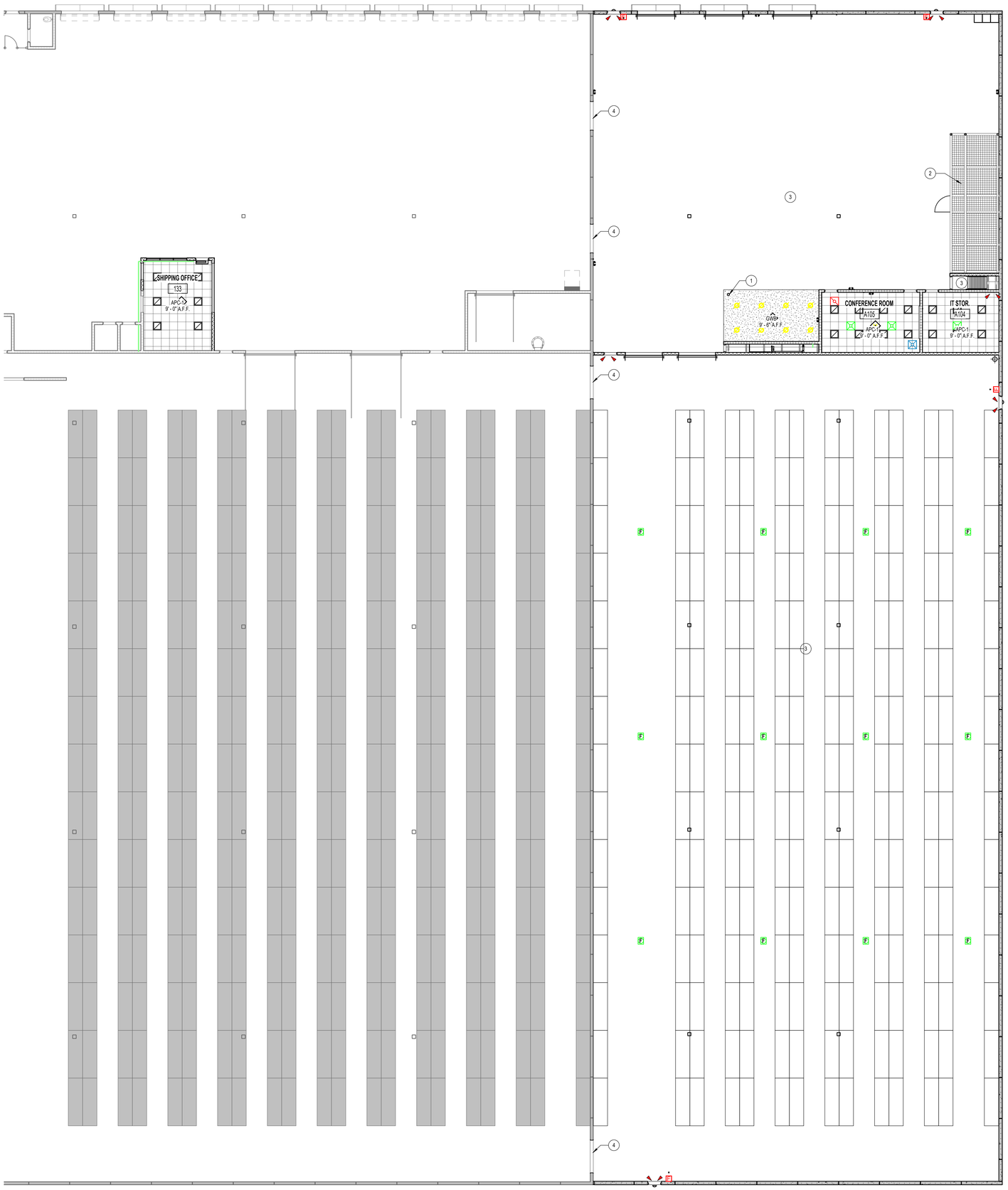
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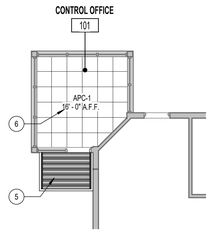
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OVERALL PRECAST ELEVATIONS

A1.11





2 CONTROL ROOM REFLECTED CEILING PLAN
A1.21 1/8" = 1'-0"

1 FIRST FLOOR REFLECTED CEILING PLAN
A1.21 3/32" = 1'-0"

5.4.120 - CEILING PLAN NOTES

Key	Note
1	PROVIDE GYPSUM EDGE BEAD, AND JOINT SEALANT AT PERIMETER OF STEEL COLUMN
2	MANUFACTURED CHAINLINK SOFFIT CAP AT 12'-0". SYSTEM TO BE ENGINEERED FOR STRUCTURAL STABILITY
3	OPEN TO STRUCTURE
4	STEEL CLOSURE PLATE, FULL PERIMETER OF PRECAST OPENING.
5	MANUFACTURED METAL CANOPY 7'-0" x 5'-0". MAPES STYLE OR EQUAL. CANOPY TO BE ENGINEERED.
6	APPROXIMATE CEILING HEIGHT. VERIFY EXISTING CEILING HEIGHT

REFL. CEILING PLAN NOTES

A. ALL GRIDS ARE CENTERED IN ROOMS, UNLESS NOTED OTHERWISE.

B. COORDINATE BULKHEAD SIZES W/ MECHANICAL DUCTWORK.

C. REFER TO MEP DRAWINGS FOR CEILING FIXTURES/EQUIPMENT AND COORDINATE W/ ALL TRADES.

D. ALL EXPOSED DUCTWORK, PIPING ETC. SHALL BE PAINTED, COLOR SELECTED BY ARCHITECT.

E. NOT USED

F. ALL CEILINGS ARE AT 9'-0" AFF, UNLESS NOTED OTHERWISE.

G. ALL BULKHEADS ARE AT 8'-10" AFF, UNLESS NOTED OTHERWISE.

H. ALL NEW GRID SHALL BE APC-1 UNLESS NOTED OTHERWISE.

I. CONTRACTOR TO PROVIDE ALL REQUIRED CONTROL JOINTS IN GWB CEILING ASSEMBLIES AS REQUIRED BY ALL INDUSTRY STANDARDS.

J. 084130|084413 - PROVIDE ADDITIONAL / TRIM WHERE CEILING ENGAGES THE STOREFRONT/CURTAIN WALL SYSTEM.

K. PROVIDE TEGULAR CEILING TILES AT ALL CEILINGS UNLESS NOTED OTHERWISE.

L. ALIGN ALL CEILING AND BULKHEAD REVEALS, CONTROL OR SEISMIC JOINTS WITH THE ADJACENT REVEAL, CONTROL OR SEISMIC JOINTS IN WALLS INDICATED ON ELEVATIONS.

M. ALL CEILING AND BULKHEAD HEIGHTS INDICATED ARE TO FINISHED FACE OF GYPSUM BOARD OR TO THE BOTTOM FACE OF ACOUSTICAL CEILING TILE PAD, UNLESS NOTED OTHERWISE.

N. CEILING CONTRACTOR TO PROVIDE ALL CEILING GRID TO SUPPORT HVAC SUPPLY DIFFUSERS AND RETURN GRILLS.

O. DEVICES OTHER THAN LIGHTING AND DIFFUSERS ARE SHOWN IN APPROXIMATE LOCATIONS, FINAL LOCATION TO BE COORDINATED WITH ALL TRADES AND ARCHITECT.

P. AT LOCATIONS WHERE GYPSUM BOARD CEILINGS ARE INDICATED, THE CONTRACTOR HAS THE OPTION TO USE LIGHT GAGE METAL FRAMING OR SUSPENDED GYPSUM BOARD GRID UNLESS OTHERWISE DETAILED. THE CONTRACTOR WILL COORDINATE ANY MODIFICATIONS WITH THE OTHER TRADES ON THE PROJECT. THE CEILING CONTRACTOR'S FINAL MEANS AND METHODS WILL NOT CONFLICT WITH THE WORK OF OTHERS OR THE INTENT OF THESE DOCUMENTS.

Q. WHERE EXISTING SUSPENDED ACOUSTICAL CEILINGS ARE SCHEDULED TO REMAIN, CUT AND PREP THE CEILING GRID IN PREPARATION FOR REPAIRING. SALVAGE ENOUGH CEILING PADS FOR RECONSTRUCTION. STORE AND PROTECT ALL MATERIALS. USE NEW MATCHING MATERIALS FOR RECONSTRUCTION AS REQUIRED.

R. SEE THE ROOM FINISH SCHEDULE FOR ADDITIONAL COMMENTS REGARDING MATERIALS AND FINISHES.

S. THE DESIGNATION 'CJ' INDICATES GYPSUM BOARD CONTROL JOINTS. WHERE INDICATED PROVIDE USG #093 ZINC CONTROL TYPICAL. INSTALL JOINT THROUGH THE FULL EXTENTS OF ANY GYPSUM CEILING OR BULKHEAD. WHERE THE GYPSUM CEILING COMPONENT MEETS A GYPSUM WALL, EXTEND THE CONTROL JOINT DOWN TO THE FLOOR TYPICAL.

T. THE GENERAL CONTRACTOR WILL PROVIDE AND INSTALL ALL SUPPLEMENTAL AND/ OR MISCELLANEOUS STEEL FRAMING AS REQUIRED BY THEMSELVES OR BY THEIR SUBCONTRACTORS FOR THE INSTALLATION OF THE EQUIPMENT SCHEDULED AND SPECIFIED. NOT ALL OF THE REQUIRED SUPPORT STEEL MAY BE DETAILED OR CALLED OUT FOR IN THESE DOCUMENTS. COORDINATE ALL REQUIREMENTS WITH THE SPECIFICATIONS, EQUIPMENT SUPPLIERS AND SUBCONTRACTORS. THERE WILL BE NO CHANGE ORDERS TO THE PROJECT FOR SUPPLEMENTAL STEEL WHERE OMISSIONS MAY OCCUR IN THE BIDDING DOCUMENTS.

THESE NOTES APPLY TO ALL CONSTRUCTION DRAWINGS AND TO ALL CONTRACTORS AND/OR SUBCONTRACTORS THAT WORK WITHIN THIS BUILDING.

REFLECTED CEILING PLAN LEGEND

APC-1	2' X 2' ACOUSTICAL PANEL CEILING, ARMSTRONG DUNE, OR EQUAL, TEGULAR		LIGHT FIXTURE (REFERENCE E-SERIES DWGS)
APC-2	TILE 2' X 2' WASHABLE ACOUSTICAL PANEL CEILING		RETURN AIR (REFERENCE M-SERIES DWGS)
APC-3	2' X 2' HUMIDITY RESISTANT ACOUSTICAL PANEL CEILING, ARMSTRONG HEALTHZONE ULTIMA 393 2'X2' ACOUSTICAL PANEL CEILING, BLACK TILE, BLACK GRID. ARMSTRONG		SUPPLY AIR (REFERENCE M-SERIES DWGS)
APC-4			EXIT LIGHT (REFERENCE E-SERIES DWGS)
APC-5	BACKSTAGE NOIR OR EQUAL ACOUSTICAL PANEL CEILING, ARMSTRONG CELLA HIGH CAC OR APPROVED EQUAL, PROVIDE HIGH-NRC BACKER PANELS. TEGULAR		RECESSED LIGHT FIXTURE SUSPENDED FIXTURE IN AREAS WITH EXPOSED CEILINGS (REFERENCE E-SERIES DWGS)
GWB	5/8" TYPE-X GYPSUM WALL BOARD ON 3-5/8" WOOD FRAMING		SOUND SYSTEM SPEAKER (REFERENCE E-SERIES/T-SERIES DWGS)
GWB-2	5/8" TYPE-X GYPSUM WALL BOARD ON MANUFACTURER STANDARD ACOUSTICAL GRID SYSTEM. PROVIDE HIGH-NRC BACKER PANELS		
Walls to Deck			

STUDIO VIEW ARCHITECTURE

ERIC S. WEFLEN REGISTERED No. AR11500138 STATE OF INDIANA ARCHITECT

Design Partners:

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ICI WAREHOUSE EXPANSION

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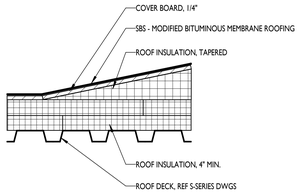
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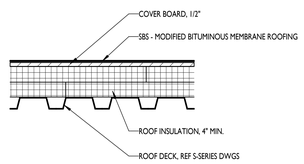
FIRST FLOOR REFLECTED CEILING PLAN

A1.21

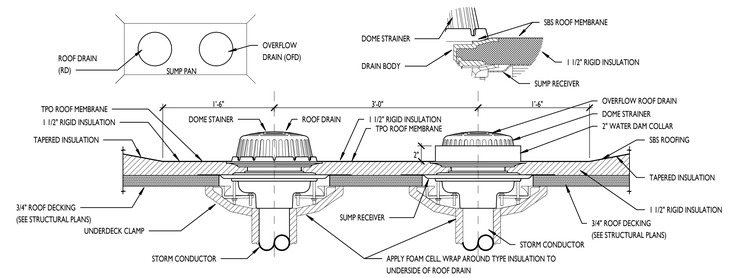


NOTE: PROVIDE 2 LAYERS OF 2" BOARD WITH STAGGERED JOINTS, TYPICAL

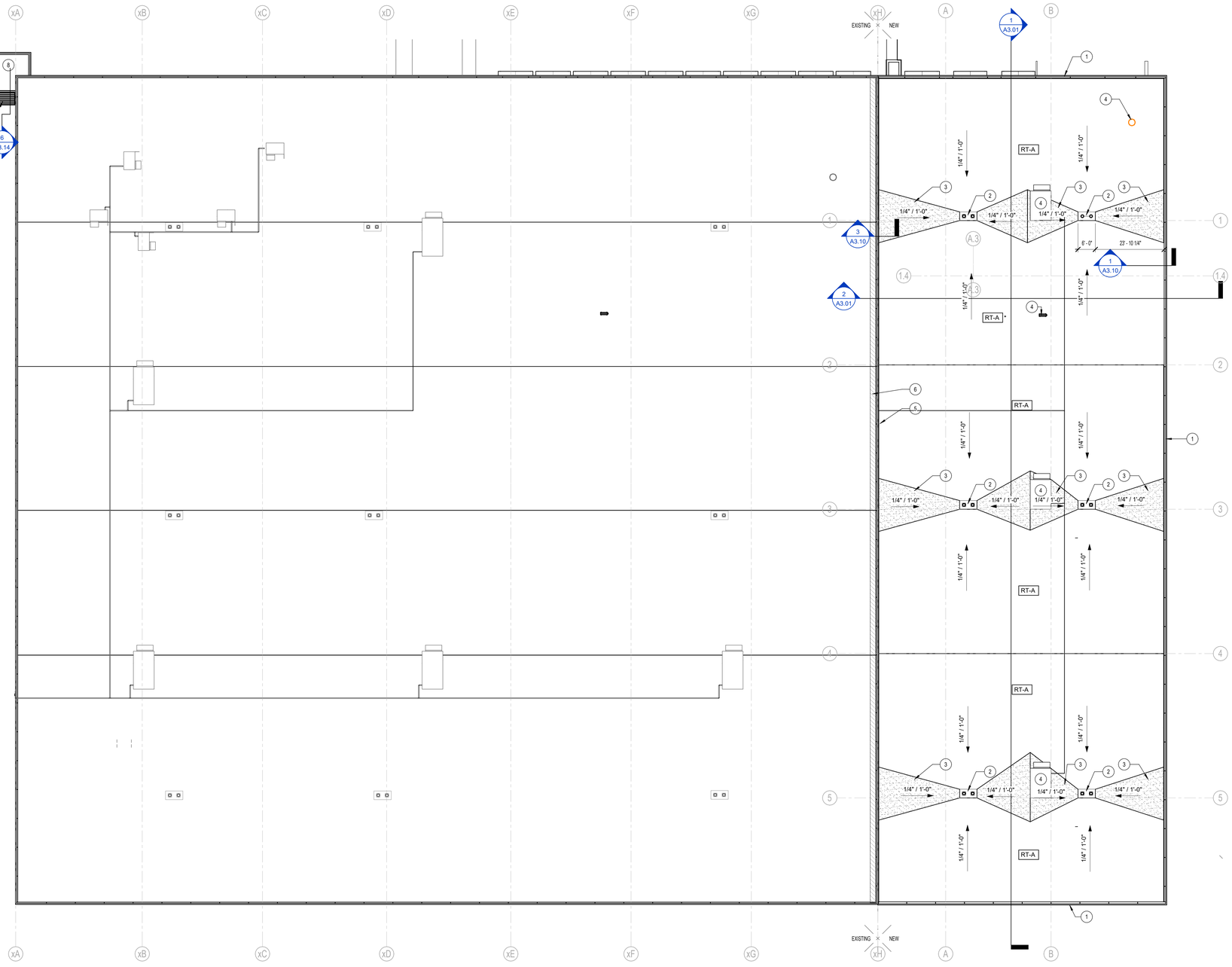
4 ROOF TYPE - RT-A
1 1/2" = 1'-0"
A1.40



3 ROOF TYPE - RT-A
1 1/2" = 1'-0"
A1.40



2 ROOF DRAIN DETAIL
1/8" = 1'-0"
A1.40



1 ARCHITECTURAL ROOF PLAN
1/16" = 1'-0"
A1.40

5.4.140 - ROOF PLAN NOTES

Key	Note
1	MANUFACTURED ROOF EDGE FASCIA WITH METAL EXTENDER TO MATCH EXISTING. PROVIDE A FULLY WARRANTED ASSEMBLY WITH ALL REQUIRED ANCHORS AND ADHESIVES.
2	MANUFACTURED ROOF DRAIN AND OVERFLOW DRAIN
3	ROOF CRICKET TO PROVIDE POSITIVE DRAINAGE. ASSEMBLY TO MATCH ADJACENT ROOF
4	ROOF TOP MECHANICAL EQUIPMENT. PROVIDE ROOF CRICKET TO PROVIDE POSITIVE DRAINAGE. CRICKET ASSEMBLY TO MATCH ADJACENT ROOF
5	MANUFACTURED ROOF TO WALL BELLOWS TYPE EXPANSION JOINT. INSTALL PER MANUFACTURERS RECOMMENDATION
6	24" MEMBRANE OVERLAP BETWEEN EXISTING AND NEW MEMBRANE
7	MANUFACTURED METAL CANOPY 7'-0" x 5'-0". MAPES STYLE OR EQUAL. CANOPY TO BE ENGINEERED.
8	ROOFING MANUFACTURER TO REVIEW EXISTING ROOF ASSEMBLY SYSTEM AND ALL TERMINATIONS IN ITS ENTIRETY (FULL ASSEMBLY). PATCH AND REPAIR ALL ROOF TERMINATIONS AND ALL ROOF PENETRATIONS

GENERAL ROOF PLAN NOTES

1. Roof penetrations and equipment shown shall not be considered all inclusive. Coordinate with Mechanical, Plumbing and Electrical Documents to confirm penetrations and equipment locations. Flash all roof penetrations in accordance with roofing manufacturer's recommendations. Provide crickets to allow for proper drainage around units.

STUDIO VIEW ARCHITECTURE

ERIC S. WEFLEN
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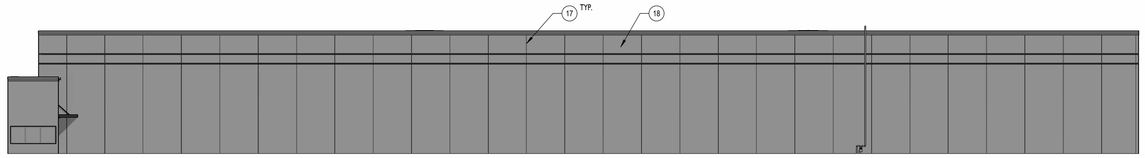
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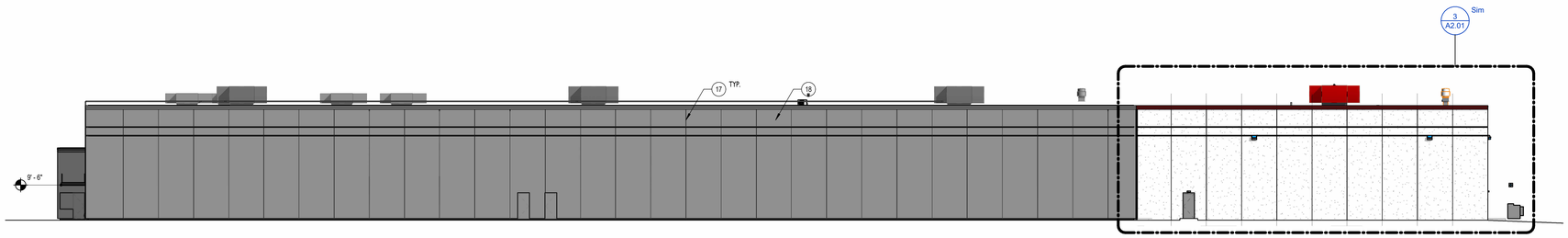
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OVERALL ROOF PLAN

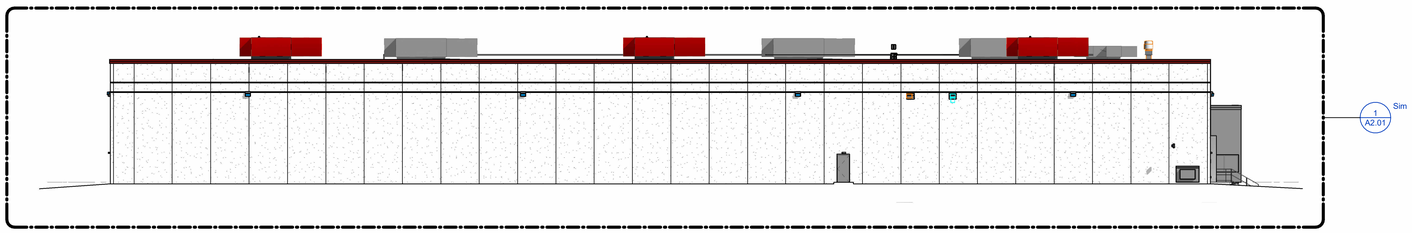
A1.40



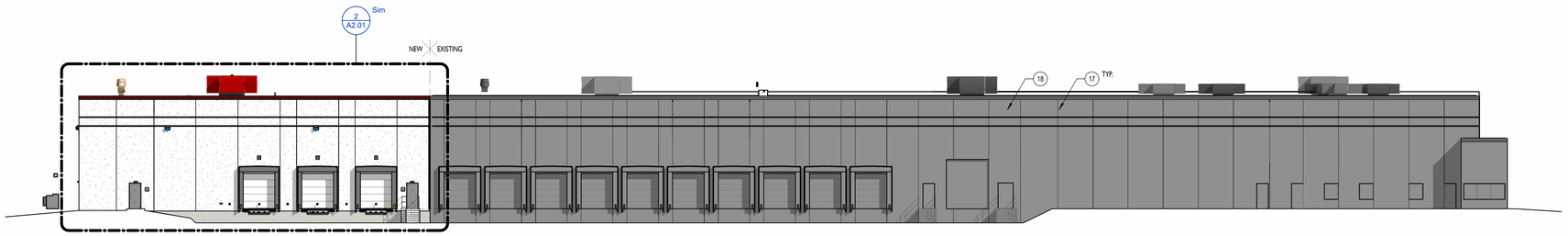
4 OVERALL WEST ELEVATION
A2.00 — 1/16" = 1'-0"



3 OVERALL SOUTH ELEVATION
A2.00 — 1/16" = 1'-0"



2 OVERALL EAST ELEVATION
A2.00 — 1/16" = 1'-0"



1 OVERALL NORTH ELEVATION
A2.00 — 1/16" = 1'-0"

5.4.200 - ELEVATION NOTES

#	Note
1	INSULATED PRECAST PANEL, PRIME AND PAINT FULL EXTERIOR WITH HIGH PERFORMANCE PAINT
2	PANEL JOINT, PROVIDE BACKER ROD AND SEALANT FULL HEIGHT
3	PRECAST PANEL HORIZONTAL REVEAL. SEE TYPICAL DETAIL, PRIME AND PAINT COLOR : RED TO MATCH EXISTING
4	MANUFACTURED METAL ROOD EDGE GRAVELSTOP AND MENTAL EXTENDER.
5	MANUFACTURED HOLLOW METAL DOOR AND FRAME, SEE DOOR SCHEDULE. TO BE PRIMED AND PAINTED. PROVIDE DRIP EDGE AT FRAME HEAD
6	MANUFACTURED EXTERIOR WALL TO WALL EXPANSION JOINT COVER, FULL HEIGHT OF WALL ASSEMBLY
7	MANUFACTURED GRAVEL STOP AND EXTENDER SLIP CONNECTION TO ALLOW FOR MOVEMENT AT EXPANSION JOINT. MANUFACTURER TO PROVIDE ADDITIONAL ANCHORS AND ACCESSORIES AS REQUIRED FOR A FULLY WARRANTED SYSTEM.
8	MANUFACTURED SECTION OVERHEAD DOOR, FACTORY PRIMED AND PAINTED. FINISH AS SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE
9	MANUFACTURED DOCK BUMPERS
10	MANUFACTURED DOCK LEVELER LIFT - HYDROLIC
11	CAST IN PLACE CONCRETE, SEE STRUCTURAL DRAWINGS. PRIMED AND PAINTED WITH HIGH PERFORMANCE PAINT
12	MANUFACTURED SIGNAGE, 8" CAST ALUMINUM LETTERS ON STEEL BACK PLATE. ANCHORED TO PRECAST AS REQUIRED
13	MANUFACTURED SIGNAGE. SIGNAGE TO BE DETERMINED BY OWNER
14	MANUFACTURED SIGNAGE. SIGNAGE TO BE DETERMINED BY OWNER
15	MANUFACTURED DOCK SEAL
16	MANUFACTURED METAL LOUVER, SEE MECHANICAL DRAWINGS
17	RE-CAULK EXISTING PRECAST PANEL JOINTS, TYPICAL AT ALL EXISTING PRECAST JOINT LOCATIONS
18	ALTERNATE PRIME AND PAINT EXISTING PRECAST, PRECAST REVEALS, HOLLOW METALL DOORS AND FRAMES

STUDIO VIEW ARCHITECTURE

ERIC S. WEFLEN
REGISTERED
No. AR11500138
STATE OF INDIANA
ARCHITECT

Design Partners:

100% CONSTRUCTION DOCUMENTS

DEPARTMENT OF CORRECTIONS - PLAINFIELD

ICI WAREHOUSE EXPANSION

727 MOON RD. PLAINFIELD, IN 46168

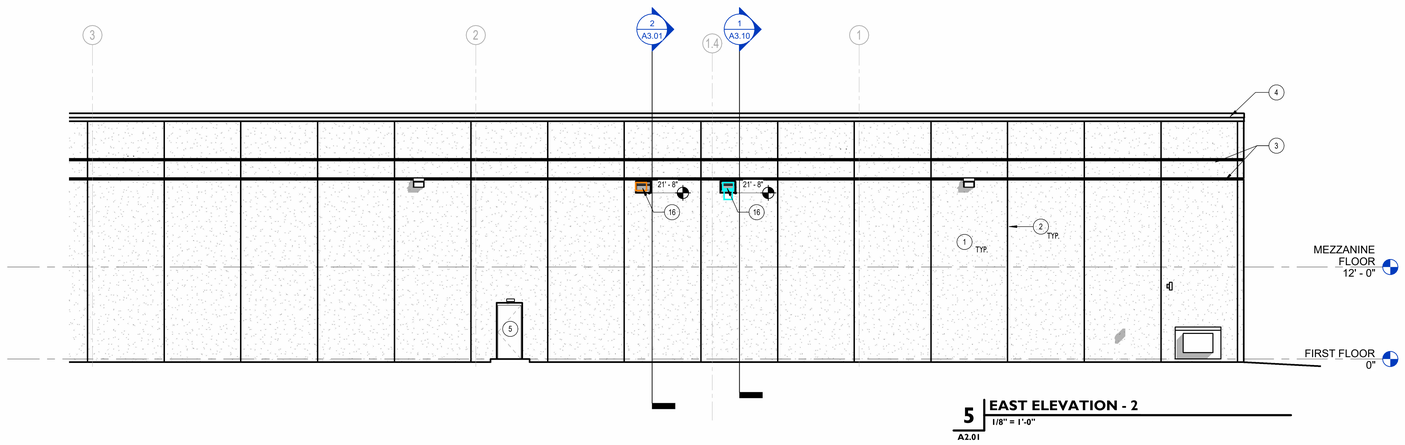
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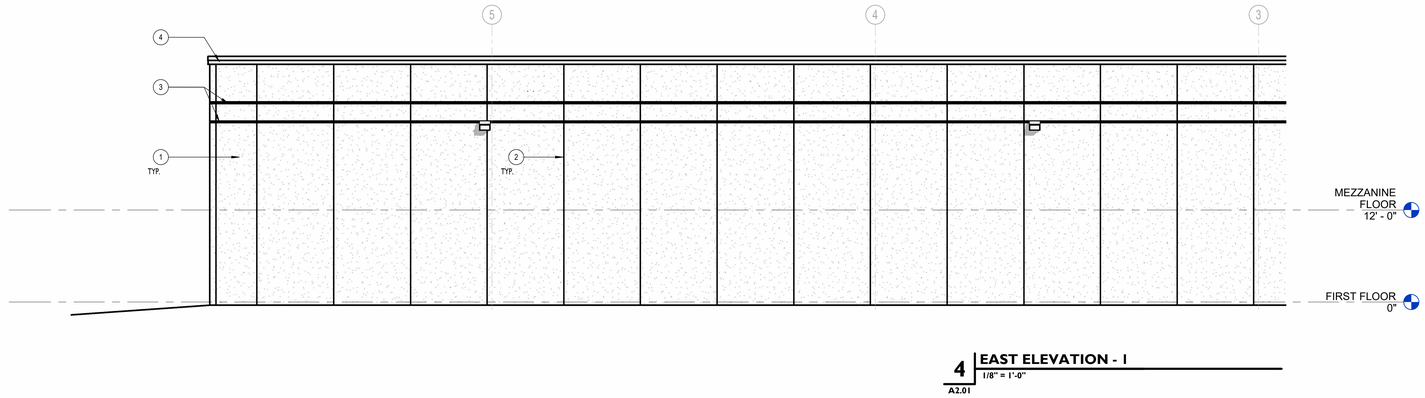
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OVERALL EXTERIOR ELEVATIONS

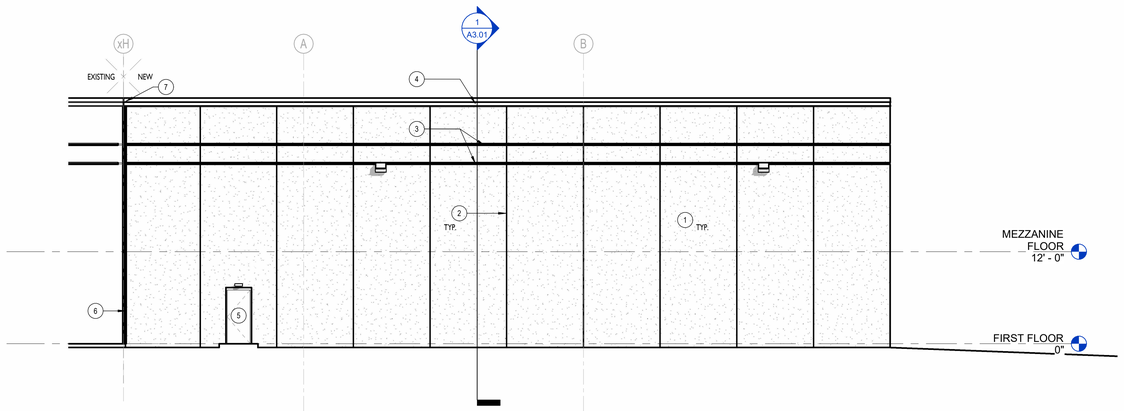
A2.00



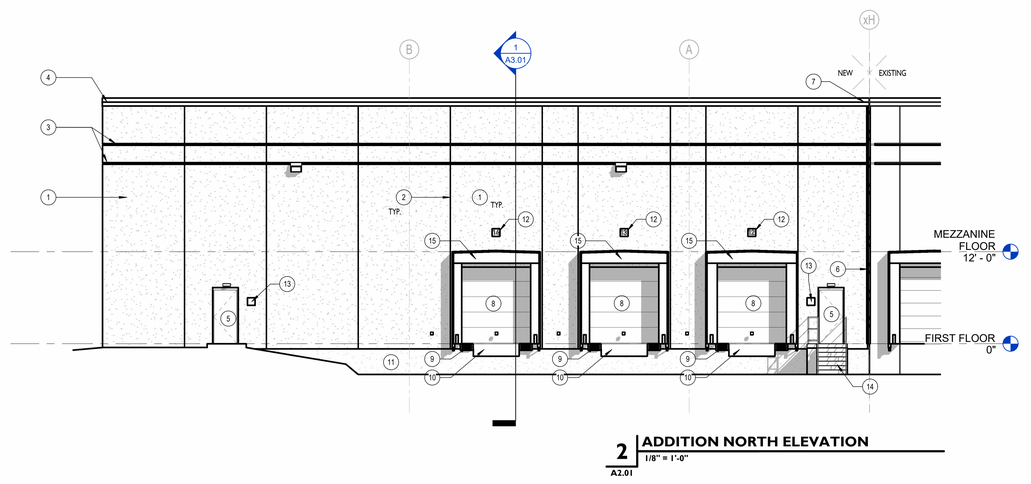
5 EAST ELEVATION - 2
A2.01 1/8" = 1'-0"



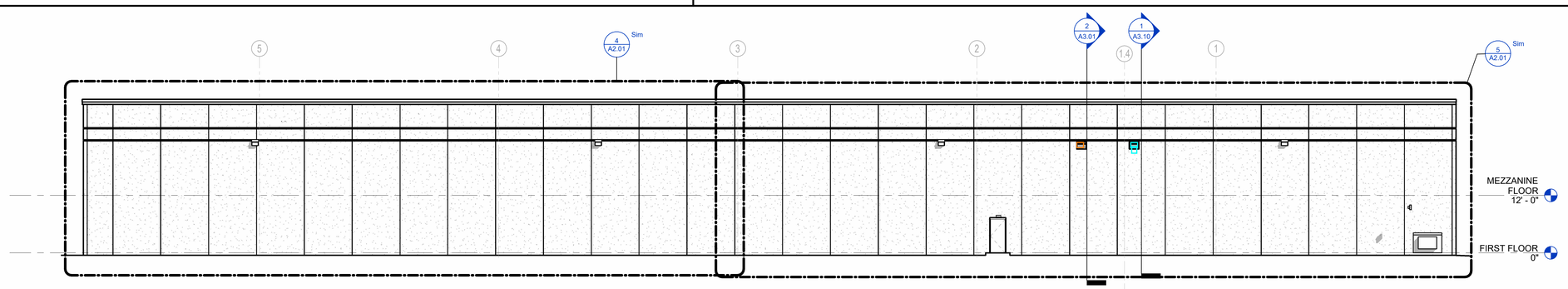
4 EAST ELEVATION - 1
A2.01 1/8" = 1'-0"



3 ADDITION SOUTH ELEVATION
A2.01 1/8" = 1'-0"



2 ADDITION NORTH ELEVATION
A2.01 1/8" = 1'-0"



1 ADDITION OVERALL EAST ELEVATION
A2.01 3/32" = 1'-0"

5.4.200 - ELEVATION NOTES

#	Note
1	INSULATED PRECAST PANEL, PRIME AND PAINT FULL EXTERIOR WITH HIGH PERFORMANCE PAINT
2	PANEL JOINT, PROVIDE BACKER ROD AND SEALANT FULL HEIGHT
3	PRECAST PANEL HORIZONTAL REVEAL. SEE TYPICAL DETAIL. PRIME AND PAINT COLOR : RED TO MATCH EXISTING
4	MANUFACTURED METAL ROOD EDGE GRAVELSTOP AND MENTAL EXTENDER.
5	MANUFACTURED HOLLOW METAL DOOR AND FRAME. SEE DOOR SCHEDULE. TO BE PRIMED AND PAINTED. PROVIDE DRIP ED[illegible]AT FRAME HEAD
6	MANUFACTURED EXTERIOR WALL TO WALL EXPANSION JOINT COVER, FULL HEIGHT OF WALL ASSEMBLY
7	MANUFACTURED GRAVEL STOP AND EXTENDER SLIP CONNECTION TO ALLOW FOR MOVEMENT AT EXPANSION JOINT. MANUFACTURER TO PROVIDE ADDITIONAL ANCHORS AND ACCESSORIES AS REQUIRED FOR A FULLY WARRANTED SYSTEM.
8	MANUFACTURED SECTION OVERHEAD DOOR, FACTORY PRIMED AND PAINTED. FINISH AS SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE
9	MANUFACTURED DOCK BUMPERS
10	MANUFACTURED DOCK LEVELER LIFT - HYDROLIC
11	CAST IN PLACE CONCRETE, SEE STRUCTURAL DRAWINGS. PRIMED AND PAINTED WITH HIGH PERFORMANCE PAINT
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ICI WAREHOUSE EXPANSION

727 MOON RD. PLAINFIELD, IN 46168

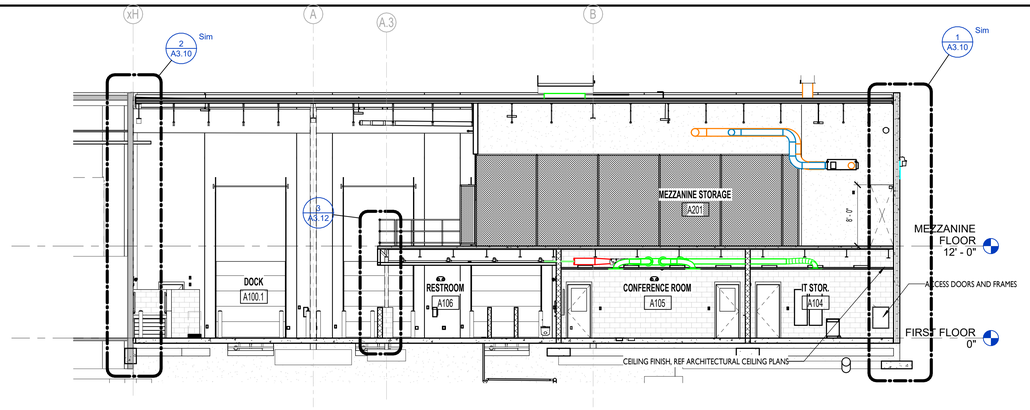
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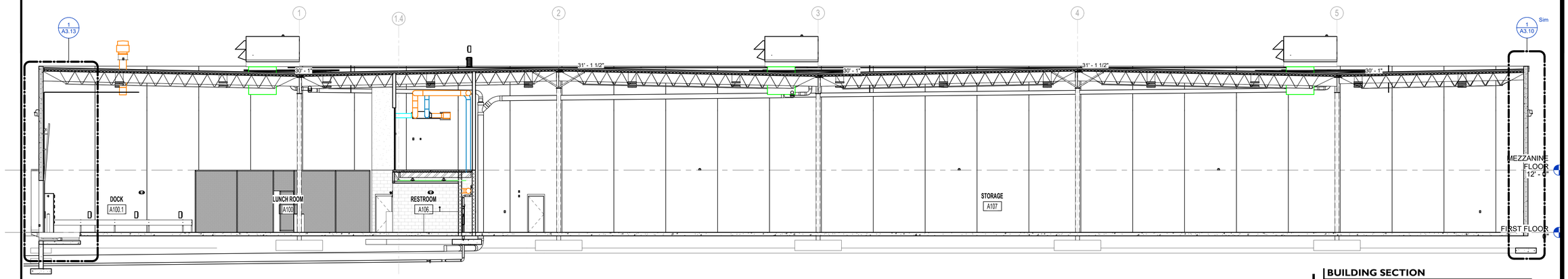
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BUILDING ELEVATIONS

A2.01



2 BUILDING SECTION
A3.01 1/8" = 1'-0"



1 BUILDING SECTION
A3.01 1/8" = 1'-0"

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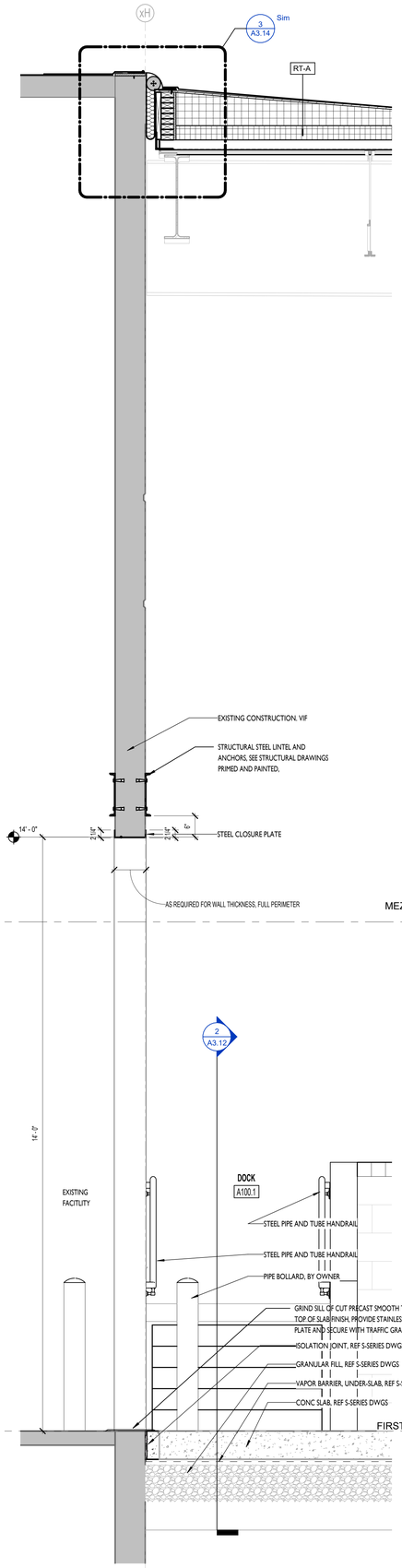
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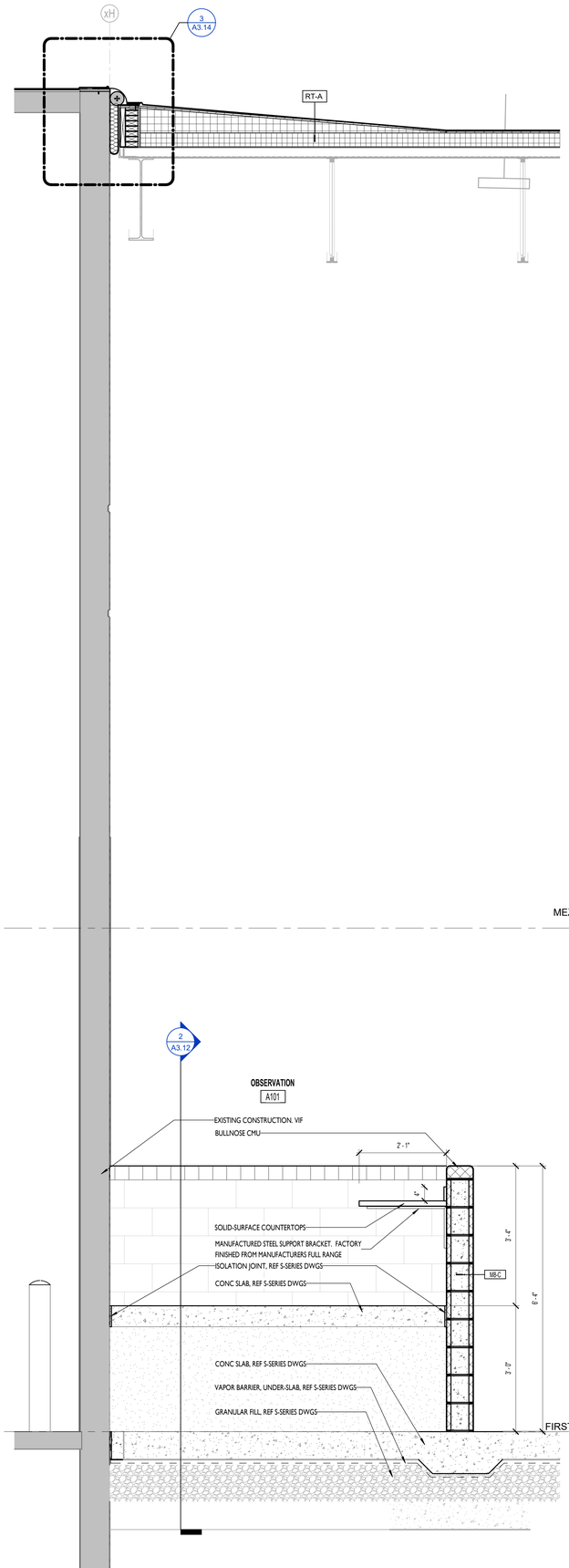
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BUILDING SECTIONS

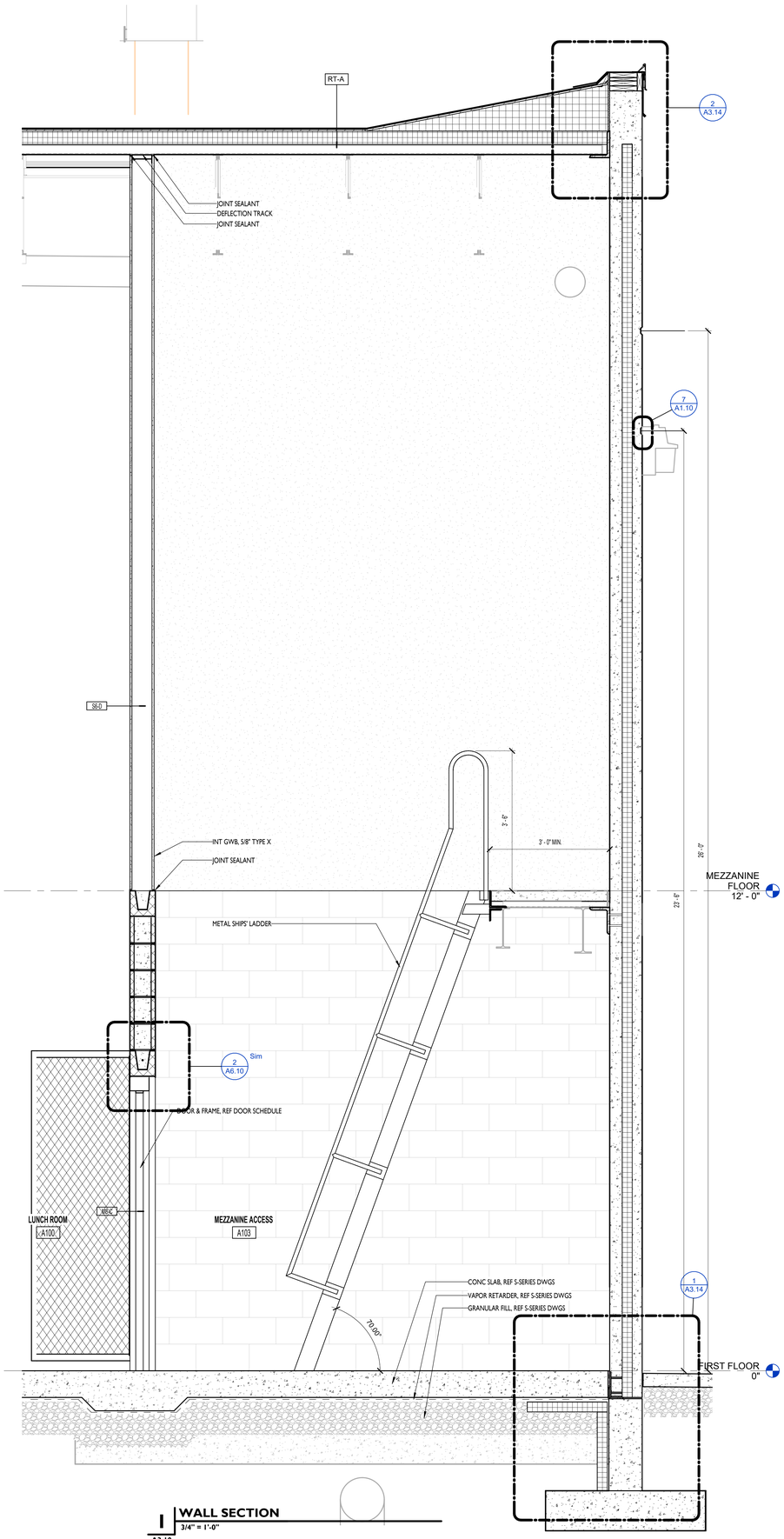
A3.01



3 WALL ECTION
3/4" = 1'-0"
A3.10



2 WALL ECTION
3/4" = 1'-0"
A3.10



1 WALL SECTION
3/4" = 1'-0"
A3.10

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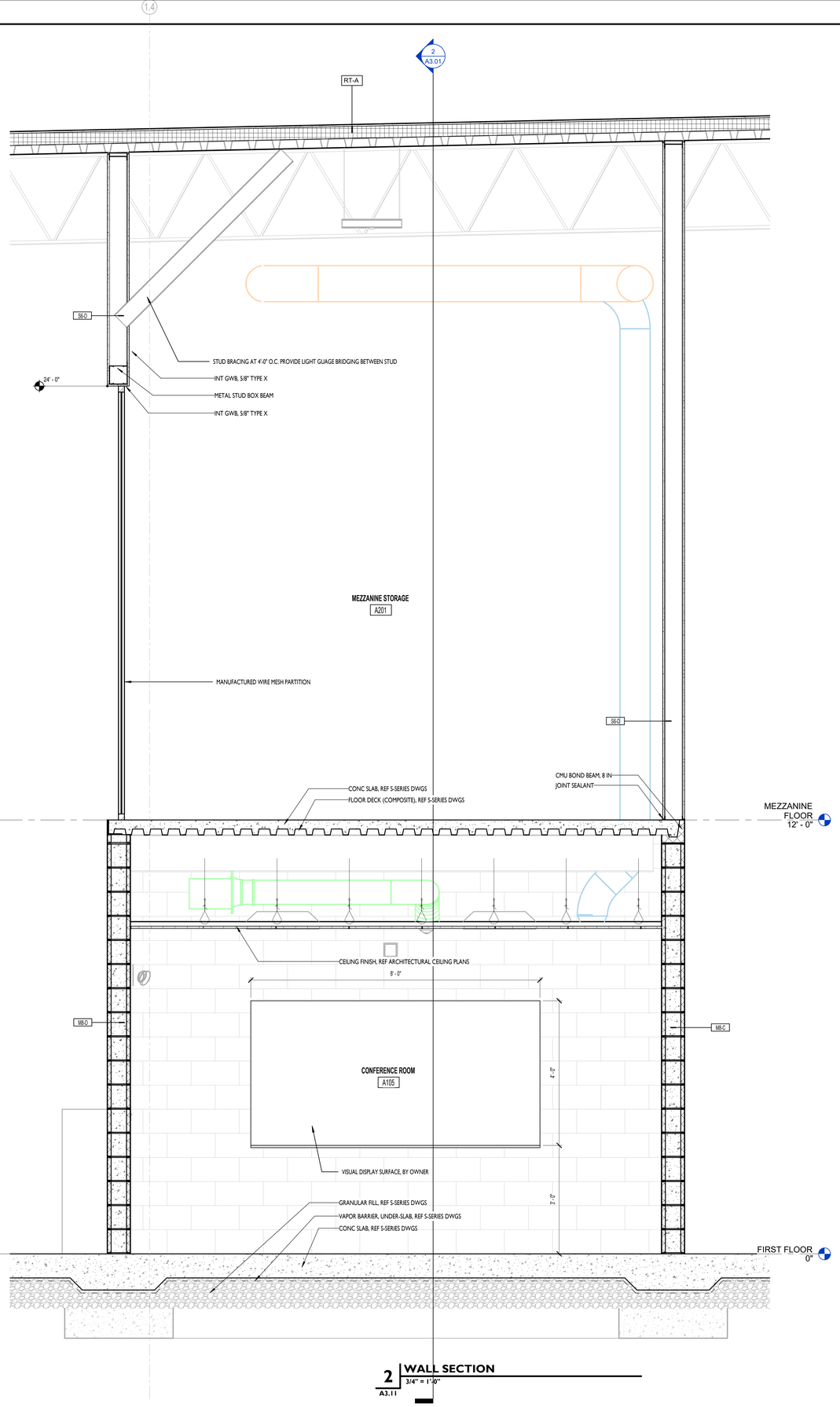
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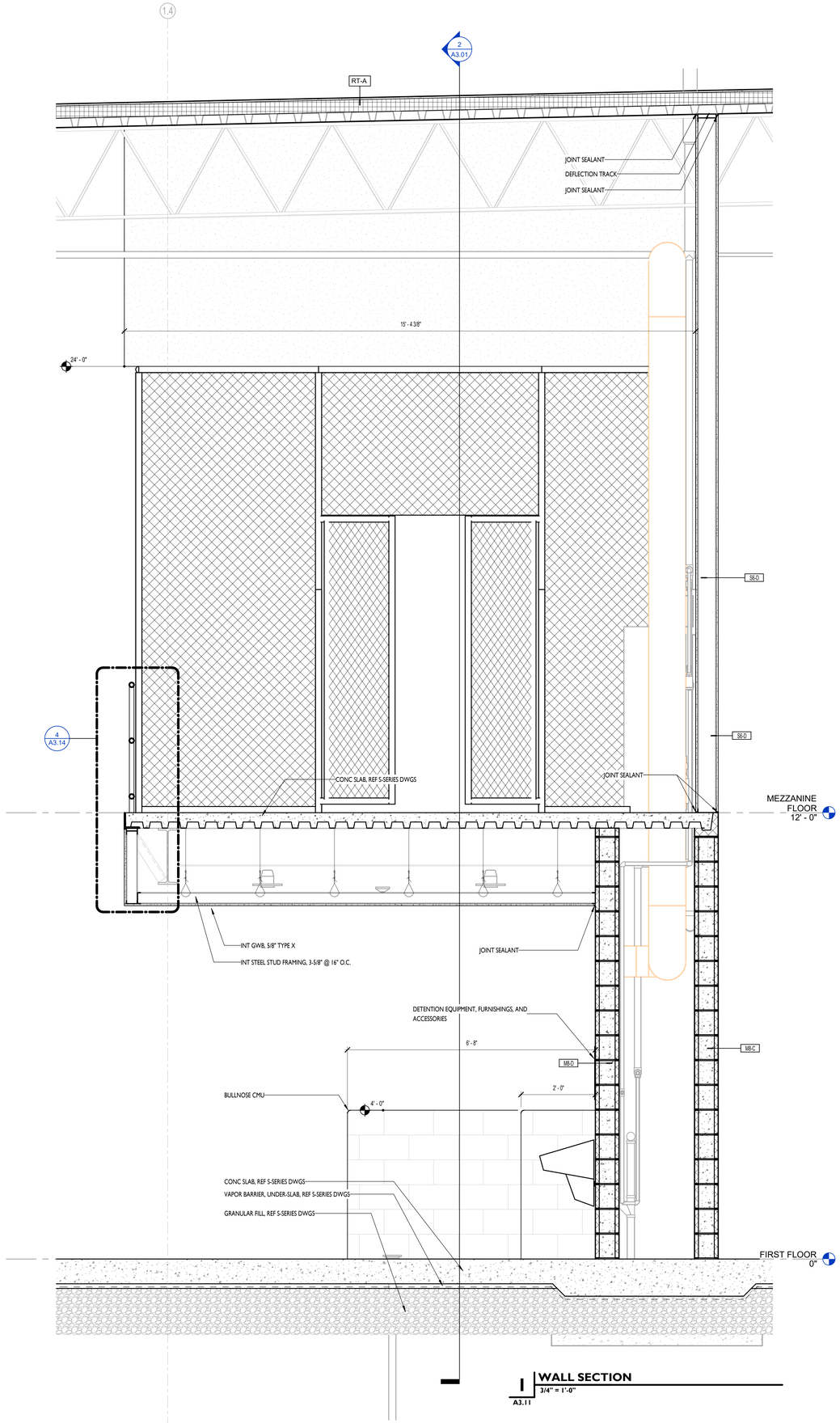
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WALL SECTIONS & DETAILS

A3.10



2 WALL SECTION
3/4" = 1'-0"
A3.11



1 WALL SECTION
3/4" = 1'-0"
A3.11

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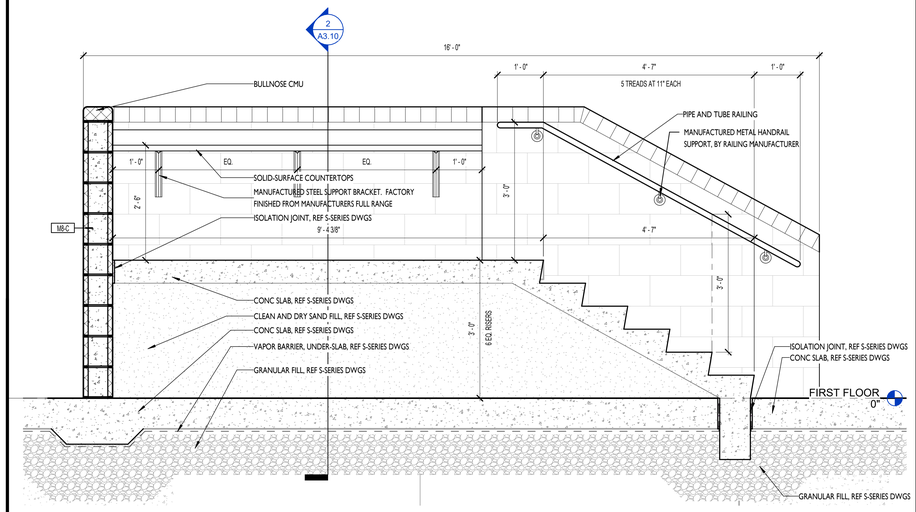
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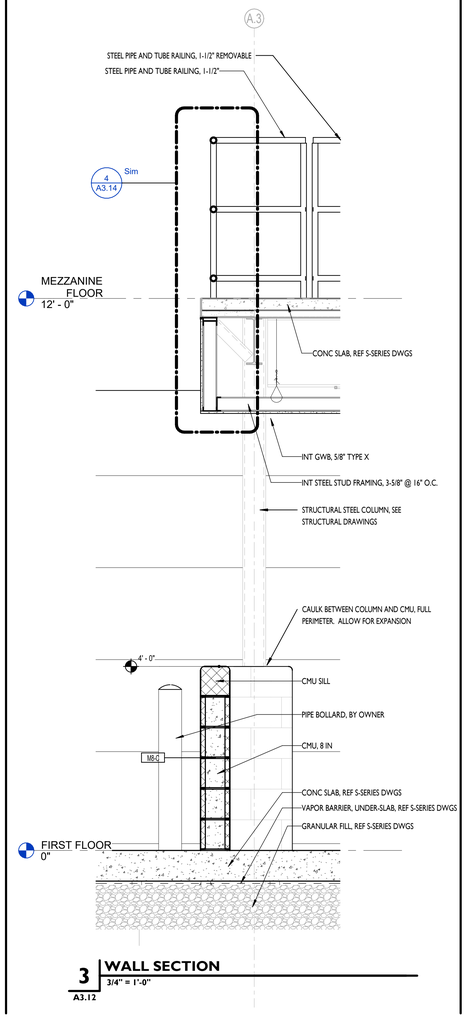
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WALL SECTIONS & DETAILS

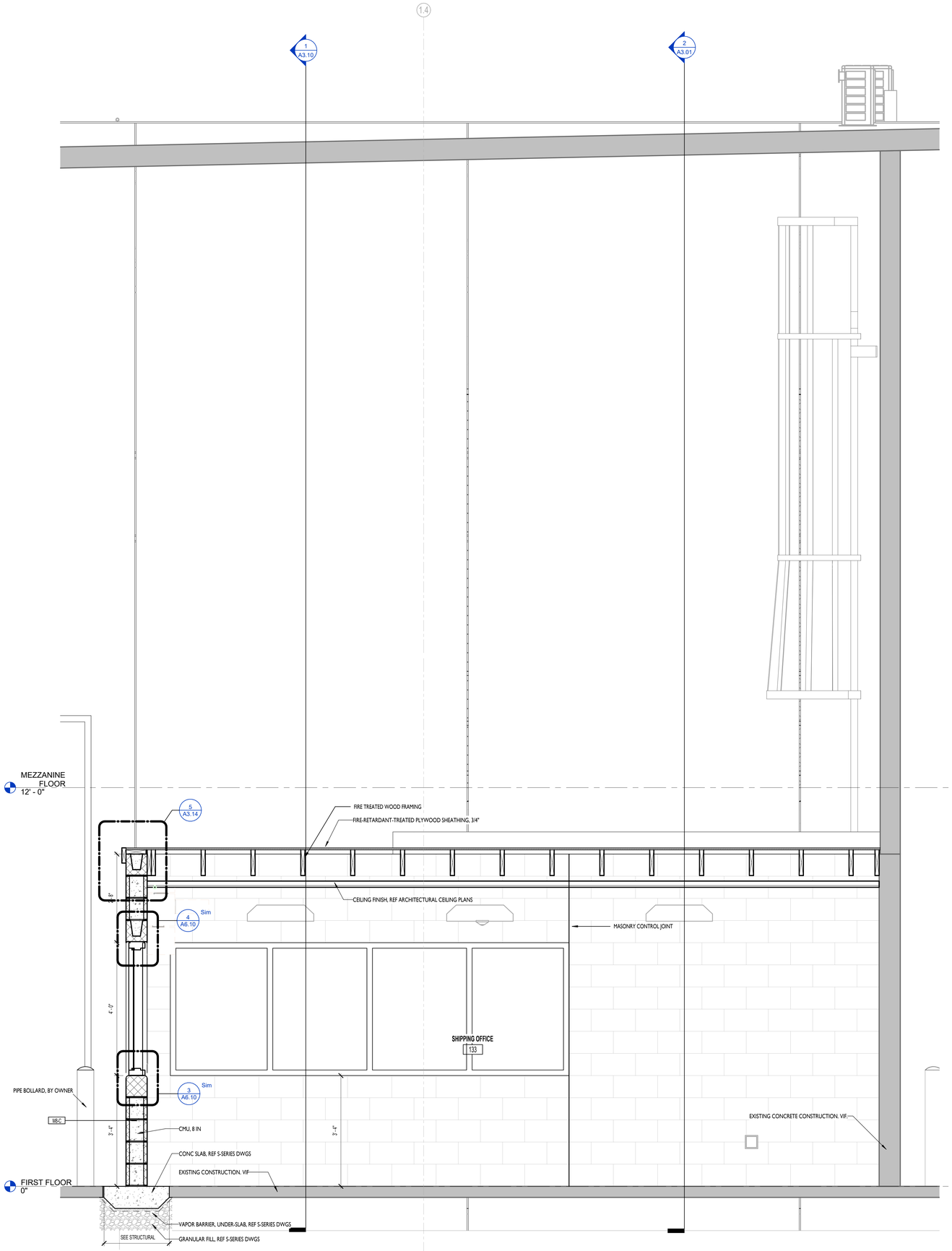
A3.11



2 WALL SECTION
3/4" = 1'-0"
A3.12



3 WALL SECTION
3/4" = 1'-0"
A3.12



1 WALL SECTION
3/4" = 1'-0"
A3.12

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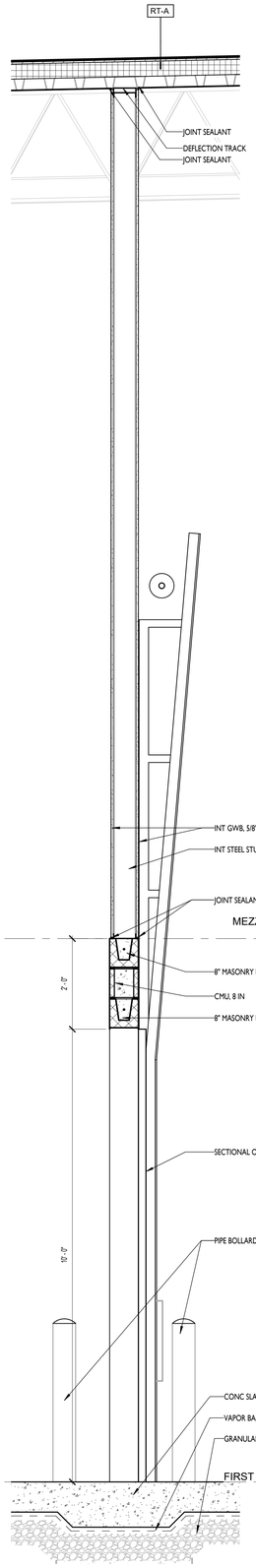
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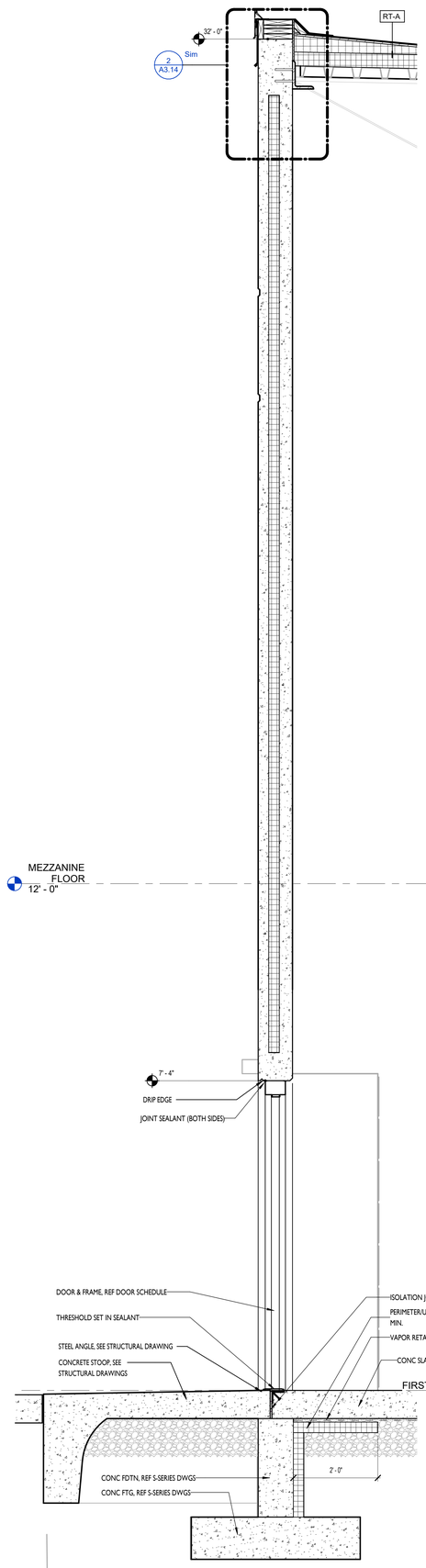
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WALL SECTIONS & DETAILS

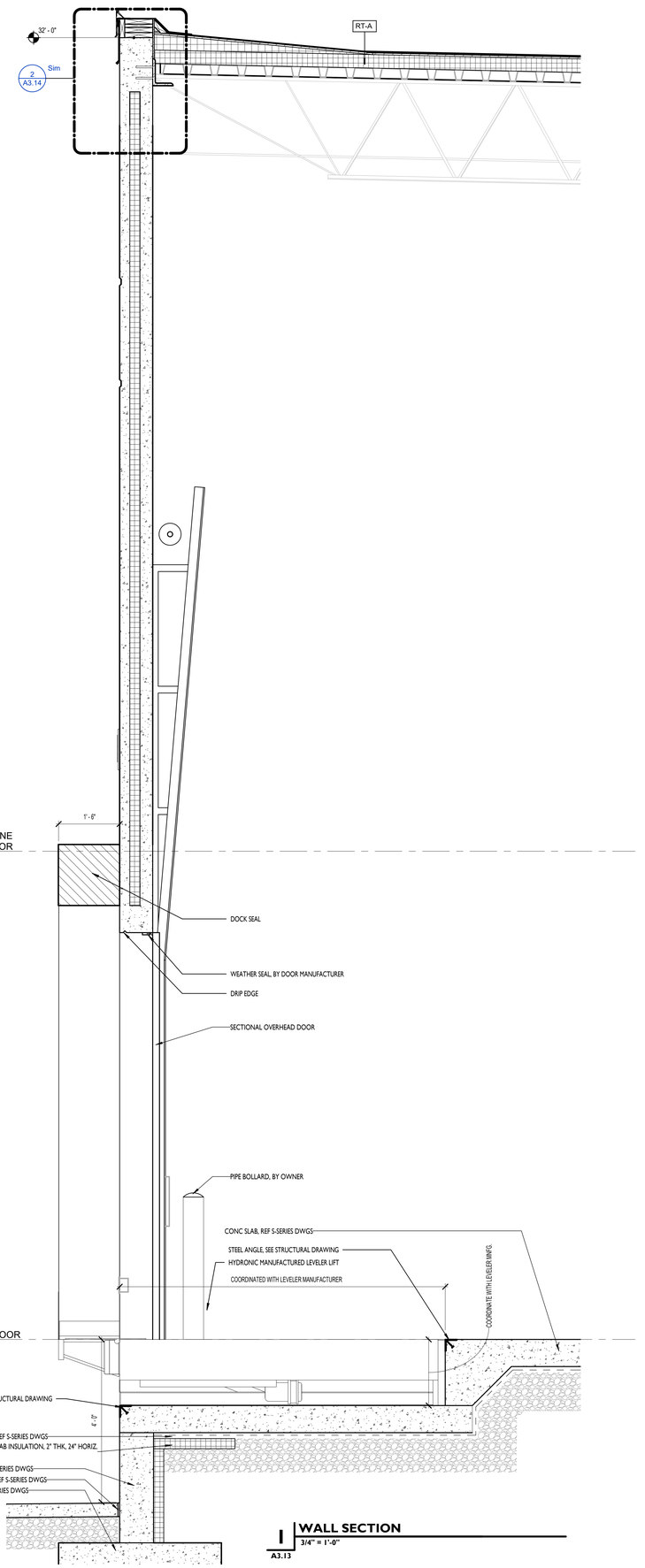
A3.12



3 WALL SECTION
3/4" = 1'-0"
A3.13



2 WALL SECTION
3/4" = 1'-0"
A3.13



1 WALL SECTION
3/4" = 1'-0"
A3.13

STUDIO VIEW ARCHITECTURE

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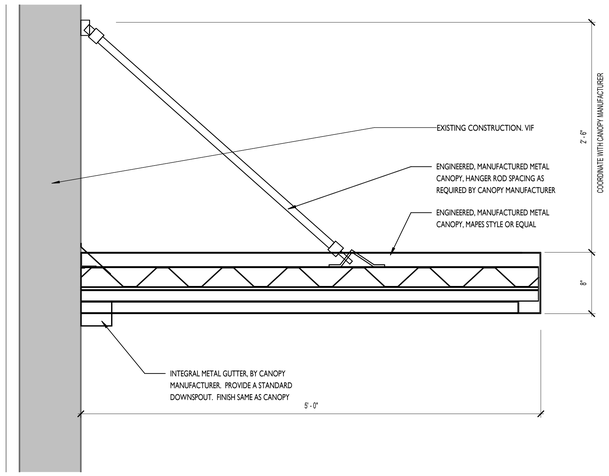
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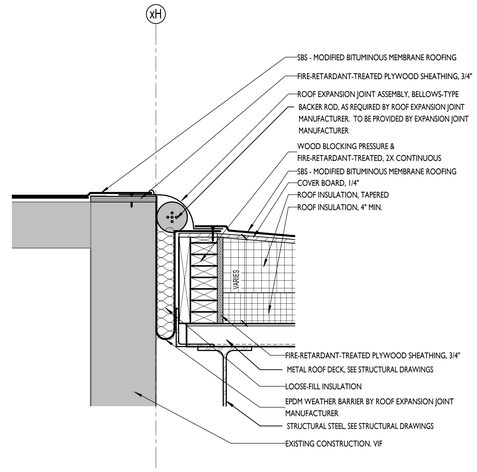
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WALL SECTIONS & DETAILS

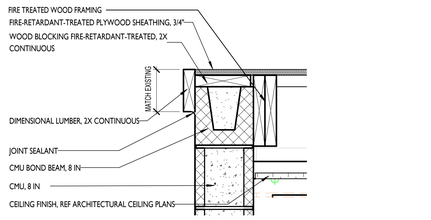
A3.13



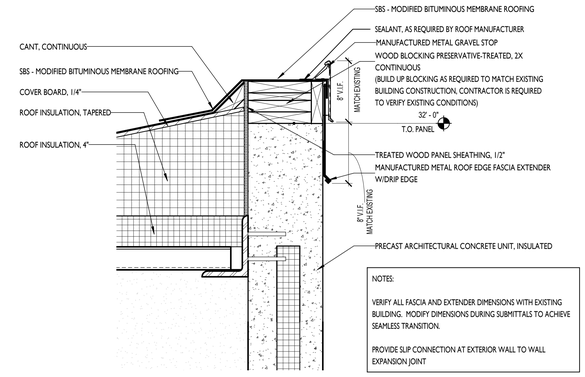
6 A3.14 **MANUFACTURED CANOPY SECTION DETAIL**
1 1/2" = 1'-0"



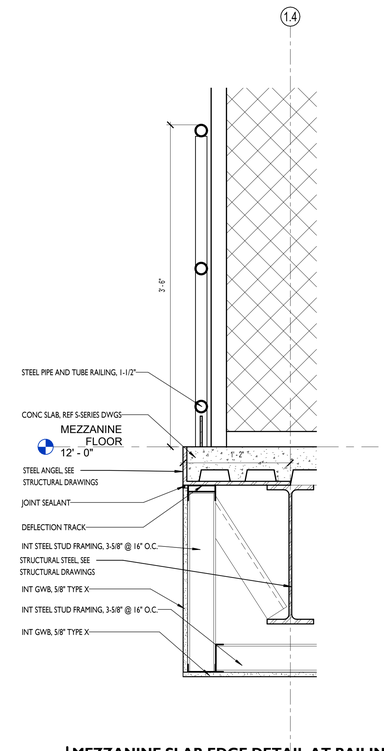
3 A3.14 **EXPANSION JOINT DETAIL**
1 1/2" = 1'-0"



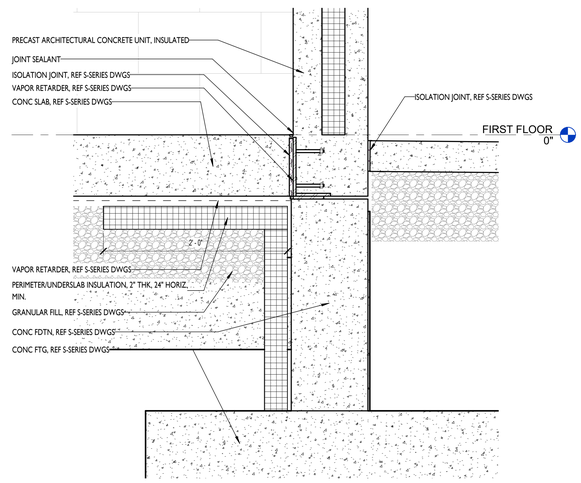
5 A3.14 **SHIPPING OFFICE CAP DETAIL**
1 1/2" = 1'-0"



2 A3.14 **TYPICAL ROOF EDGE DETAIL**
1 1/2" = 1'-0"



4 A3.14 **MEZZANINE SLAB EDGE DETAIL AT RAILING**
1 1/2" = 1'-0"



1 A3.14 **TYPICAL FOUNDATION DETAIL**
1 1/2" = 1'-0"

STUDIO VIEW ARCHITECTURE

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ICI WAREHOUSE EXPANSION

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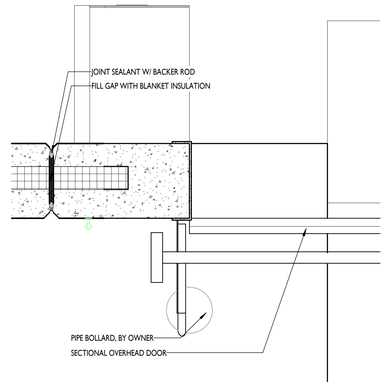
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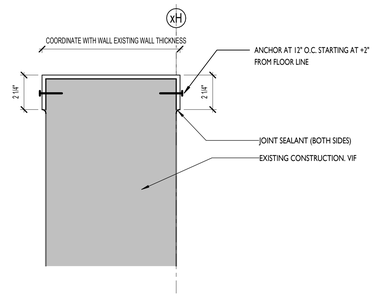
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WALL SECTIONS & DETAILS

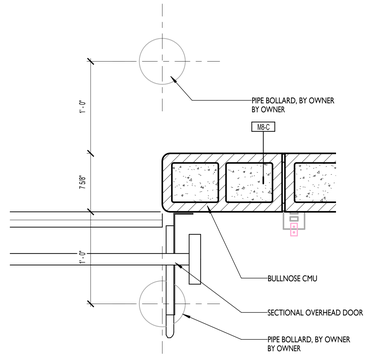
A3.14



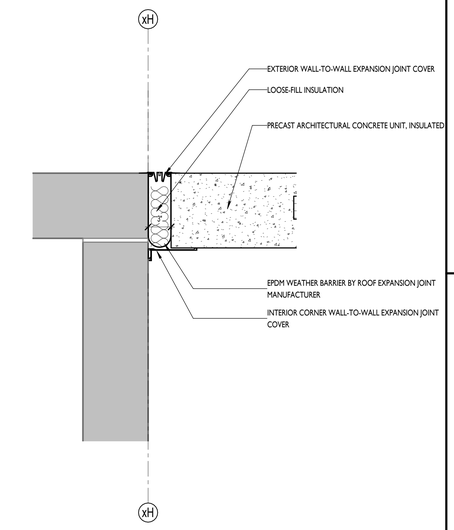
7 JAMB DETAIL AT EXTERIOR SECTION DOOR
A5.01 | 1 1/2" = 1'-0"



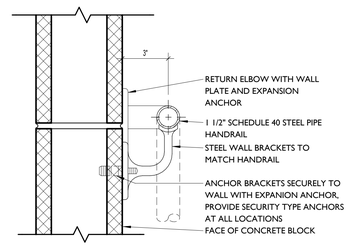
4 NEW OPENING IN EXISTING WALL JAMB DETAIL
A5.01 | 3" = 1'-0"



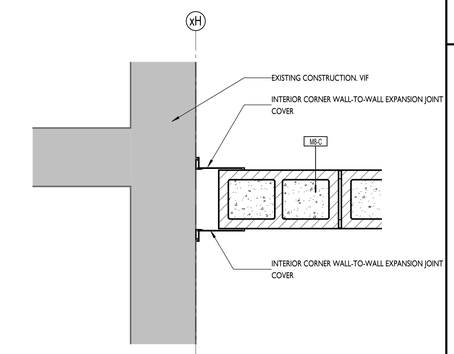
3 INTERIOR OVERHEAD DOOR JAMB DETAIL
A5.01 | 1 1/2" = 1'-0"



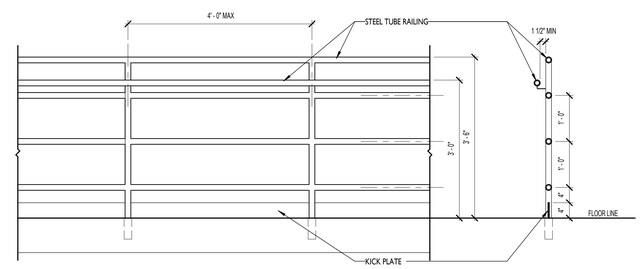
6 EXTERIOR WALL EXPANSION JOINT DETAIL
A5.01 | 1 1/2" = 1'-0"



2 TYP. HANDRAIL DETAIL @ MASONRY WALL
A5.01 | 3" = 1'-0"



5 INTERIOR WALL TO WALL EXPANSION JOINT DETAIL
A5.01 | 1 1/2" = 1'-0"



1 UTILITY RAILING TYPE
A5.01 | 3/4" = 1'-0"

STUDIO VIEW ARCHITECTURE

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ICI WAREHOUSE EXPANSION

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TYPICAL DETAILS

A5.01

DOOR & FRAME SCHEDULE

MARK	DOOR PANEL TYPE	MATL	GLAZ	SIZE H	W	TH	FRAME MARK	MATL	GLAZ	LABEL	HDWR SET	NOTES	MARK
122.1	G	HM	TG	7' - 0"	3' - 0"	1 3/4"	F2	HM	--		7.0		122.1
122.2	G	HM	TG	7' - 0"	3' - 0"	1 3/4"	F2	HM	--		2.0		122.2
133	GL	HM	TG	7' - 0"	3' - 0"	1 3/4"	F2	HM	--		4.0		133
A100.1	F	HM	HM	7' - 0"	3' - 0"	1 3/4"	F2	HM	--		1.0		A100.1
A100.2	OH	ST	--	10' - 0"	9' - 0"	2"	--	ST	--		8.0		A100.2
A100.3	OH	ST	--	10' - 0"	9' - 0"	2"	--	ST	--		8.0		A100.3
A100.4	OH	ST	--	10' - 0"	9' - 0"	2"	--	ST	--		8.0		A100.4
A100.5	F	HM	--	7' - 0"	3' - 0"	1 3/4"	F2	HM	--		1.0		A100.5
A100.6	F	HM	--	7' - 0"	1' - 8"	1 3/4"	F2	HM	--		2.0		A100.6
A100.7	OH	ST	--	10' - 0"	9' - 0"	2"	--	ST	--		8.0		A100.7
A100.8	OH	ST	--	10' - 0"	9' - 0"	2"	--	ST	--		8.0		A100.8
A100.9	F	HM	--	7' - 0"	3' - 0"	1 3/4"	F2	HM	--		5.0		A100.9
A103	F	HM	--	7' - 0"	3' - 0"	1 3/4"	F2	HM	--		3.0		A103
A104	F	HM	--	7' - 0"	3' - 0"	1 3/4"	F2	HM	--		3.0		A104
A105.1	G	HM	TG	7' - 0"	3' - 0"	1 3/4"	F2	HM	--		6.0		A105.1
A105.2	G	HM	TG	7' - 0"	3' - 0"	1 3/4"	F2	HM	--		6.0		A105.2
A107.1	F	HM	--	7' - 0"	3' - 0"	1 3/4"	F2	HM	--		1.0		A107.1
A107.2	F	HM	--	7' - 0"	3' - 0"	1 3/4"	F2	HM	--		1.0		A107.2

ABBREVIATIONS

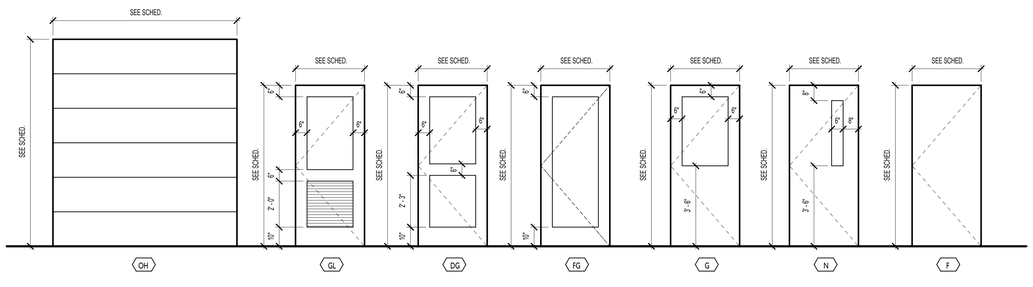
- AL - ALUMINUM
- HM - HOLLOW METAL
- ST - STEEL
- WD - WOOD
- TG - TEMPERED GLAZING
- IG - INSULATED GLAZING
- LG - LAMINATED GLAZING
- FG - FROSTED GLAZING
- SP - SPANDREL GLAZING
- SG - SECURITY GLAZING

REMARKS (See Door Schedule)

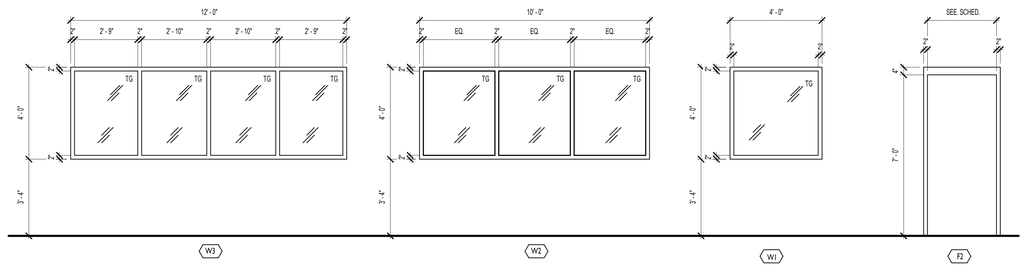
1. PROVIDE CARD READER ACCESS CONTROL. COORDINATE WITH ELECTRICAL CONTRACTOR FOR A FULLY WARRANTED INSTALLATION. COORDINATE WITH OWNER FINAL ACCESS LOCATIONS.
2. DOOR SCOPE INCLUDED IN CLEANROOM SCOPE. PROVIDE SEPERATE ACCESS CONTROL FOR DOOR.
3. PROVIDE THRESHOLD AND DOOR SEALS AT FULL PERIMETER. DOORS TO PROVIDE SEAL FOR A DRY AGENT FIRE PROTECTION SYSTEM. COORDINATE ADDITIONAL REQUIREMENTS WITH DRY AGENT MANUFACTURER.
4. PROVIDE OCCUPANCY INDICATORS DOOR HARDWARE

GLAZING SCHEDULE

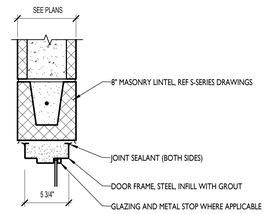
- IG - 1" TINTED INSULATED TEMPERED GLAZING WITH LOW-E COATING. GLAZING TO MATCH EXISTING
- TG - 1/4" CLEAR TEMPERED GLAZING.
- 1/2-TG - 1/2" CLEAR TEMPERED GLAZING.
- SG - SECURITY GLAZING PANEL.
- MG - MIRRORED SECURITY GLAZING PANEL



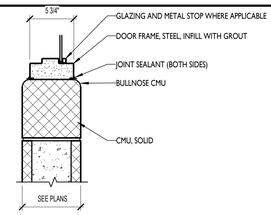
DOOR PANEL ELEVATIONS
3/8" = 1'-0"



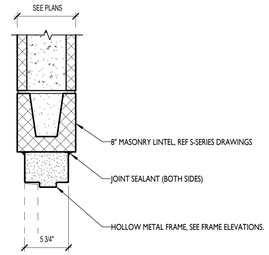
HOLLOW METAL FRAME ELEVATIONS
3/8" = 1'-0"



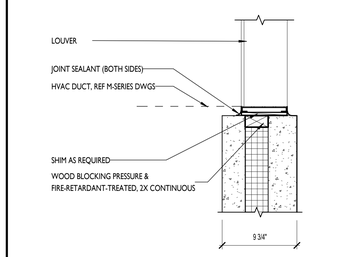
4 HEAD
A6.10 | 1 1/2" = 1'-0"



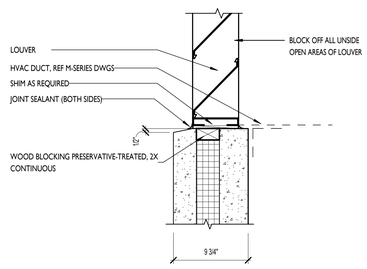
3 SILL
A6.10 | 1 1/2" = 1'-0"



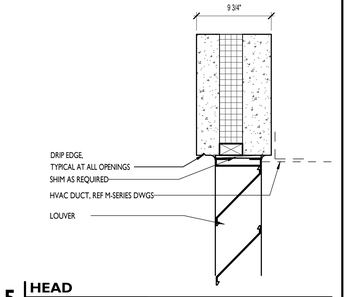
2 HEAD
A6.10 | 1 1/2" = 1'-0"



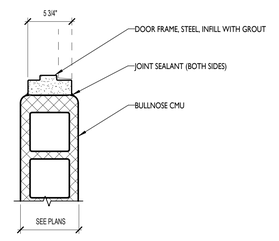
7 JAMB
A6.10 | 1 1/2" = 1'-0"



6 SILL
A6.10 | 1 1/2" = 1'-0"



5 HEAD
A6.10 | 1 1/2" = 1'-0"



1 JAMB
A6.10 | 1 1/2" = 1'-0"

STUDIO VIEW ARCHITECTURE

ERIC S. WEFLEN REGISTERED No. AR11500138 STATE OF INDIANA ARCHITECT

Design Partners:

100% CONSTRUCTION DOCUMENTS

DEPARTMENT OF CORRECTIONS - PLAINFIELD

ICI WAREHOUSE EXPANSION

727 MOON RD. PLAINFIELD, IN 46168

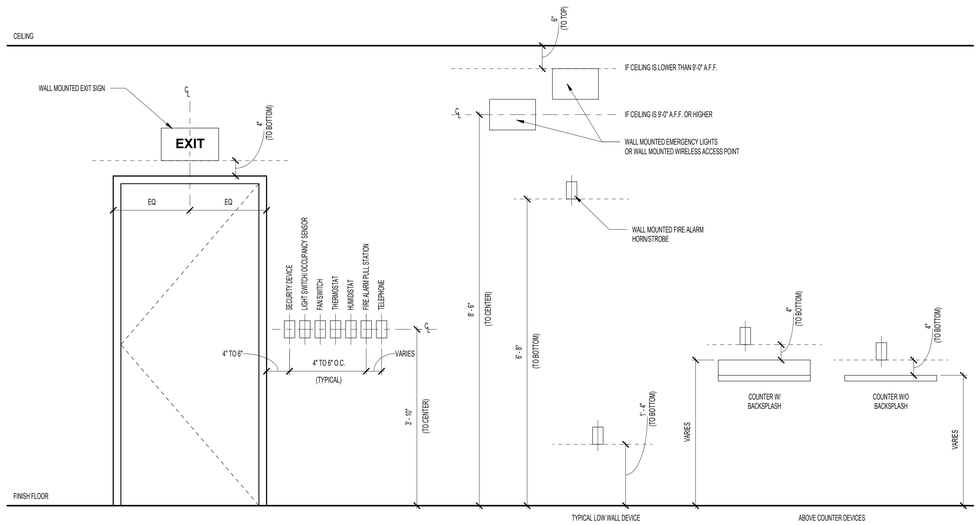
#	Revision	Date

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Project #: 32011091-2026-003
Designed By: Designer
Drawn By: Author
Checked By: Checker
DATE: 4/10/2026 2:31:51 PM

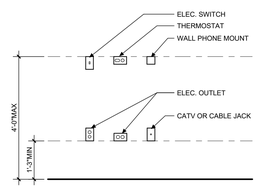
OPENING DETAILS

A6.10



NOTES:

1. DIMENSIONS AND LOCATIONS ARE TYPICAL, UNLESS NOTED OTHERWISE THROUGHOUT THE DRAWING SET OR SPECIFICATIONS.
2. IF DIMENSIONS OR LOCATIONS DIFFER, CONSULT WITH ARCHITECT/ENGINEER PRIOR TO INSTALLATION
3. ALL DEVICES SHOULD ALIGN WITH ADJACENT DEVICES, AS INDICATED (TOP, CENTER, BOTTOM).
4. ALL DEVICES SHOULD BE INSTALLED IN SUCH A FASHION THAT THEY ARE PLACED WITHIN A SINGLE FINISH MATERIAL. CONSULT WITH ARCHITECT PRIOR TO INSTALLATION IF THIS CANNOT BE ACHIEVED.
5. NOT ALL DEVICES SHOWN ADJACENT TO THE DOOR ARE PRESENT IN ALL SPACES OR ALL PROJECTS. IF SOME DEVICES DO NOT APPLY, THE ADJACENT ONES SHOULD SHIFT TOWARDS THE DOOR.



ACCESSIBLE MOUNTING HEIGHTS

TYPICAL DEVICE HEIGHTS AND LOCATIONS

3/4" = 1'-0"

CABINET MFG. SHALL FIELD VERIFY ALL WALL DIMENSIONS PRIOR TO FABRICATION. ALL GENERAL CASEWORK NOTES APPLY TO ALL CASEWORK THROUGH OUT SET

1. CONTRACTOR SHALL PROVIDE WOOD BLOCKING AS REQUIRED FOR INSTALLATION OF ALL UPPER AND LOWER UNITS
2. EDGE OF COUNTERTOP TO BE 1-1/2" THICK.
3. CABINET MFG. SHALL COORDINATE WITH OWNER ALL LOCATIONS FOR "GROMMETS" QUANTITY WILL BE IDENTIFIED PER ELEVATION. ALL GROMMETS TO BE 3 1/2" DIA.WITH BLACK PLASTIC TRIM RING - LOCATE AT REAR OF COUNTER, OR AS DIRECTED BY OWNER.
4. ALL EXPOSED ENDS AND BACKS OF CASEWORK TO BE FINISHED SAME AS BALANCE OF EXPOSED SURFACE, SEE FINISH SCHEDULE.
5. APPLY EASED EDGE. ON ALL OUTER CORNERS OF COUNTER TOPS, U.N.O.
6. ALL END PANEL SUPPORT SHALL BE CONSTRUCTED W/ 1 1/2" LAMINATED SOFTWOOD PLYWOOD, UNLESS OTHERWISE NOTED.
7. ALL COUNTER TOPS SHALL EXTEND 1" BEYOND FRONT OF CABINET DRAWER FACE.
8. ALL DRAWERS AND DOOR HANDLES BASIS OF DESIGN , KAWANEE 8" SQUARE ALUMINUM.
9. ALL BASE CABINET DEPTH SHALL BE 23" UNLESS NOTED OTHERWISE.
10. ALL UPPER CABINET DEPTH SHALL BE 12" UNLESS NOTED OTHERWISE.
11. APPLY A 4" BACKSPLASH AT PERIMETER OF ALL COUNTER TOPS UNLESS WALL TILE IS PRESENT
12. APPLY (1) ADJUSTABLE SHELF IN ALL BASE UNITS, AND (2) ADJUSTABLE SHELVES IN ALL UPPER UNITS W/ EXCEPTION OF SINK BASE UNITS. (UNLESS NOTED OTHERWISE), ALL SHELVES IN CASEWORK TO BE ADJUSTABLE ON 1" CENTERS VERTICALLY.
13. ALL BASE UNITS SHALL HAVE A 4" H. x 2" D. TOE SPACE WITH RUBBER BASE BY FLOORING CONTRACTOR, BASE TO EXTEND TO ALL EXPOSED SIDES OF CASEWORK.
14. REFER TO FLOOR PLAN FOR ALL WALL PARTITION TYPES
15. PAPER TOWEL DISPENSER LOCATED AT EVERY SINK. PROVIDED AND INSTALLED BY G.C. COORDINATE FINAL LOCATION WITH OWNER PRIOR TO INSTALLATION.
16. FOR ALL ITEMS DESIGNATED "BY OWNER" - CONTRACTOR TO VERIFY ACTUAL DIMENSIONS OF ITEMS TO BE PURCHASED FOR COORDINATION. IF USED AS SUPPORT FOR COUNTER TOP.
17. INSTALL OPAQUE SEALANT CONTINUOUS BETWEEN TOP OF BACKSPLASH/COUNTERTOP AND WALL. COLOR TO MATCH COUNTERTOP AS SELECTED BY ARCHITECT FROM MANUFACTURER FULL RANGE.
18. ALL HARDWARE FOR ANCHORING/SUPPORTING CASEWORK SHALL BE CONCEALED.
19. ALL COUNTERTOPS WITHOUT BACKSPLASH SHALL BE SCRIBED TO ADJACENT WALLS/CASEWORK. INSTALL CLEAR SEALANT CONTINUOUS BETWEEN COUNTERTOP AND WALL/ BACKSPLASH. COLOR TO MATCH COUNTERTOP AS SELECTED BY ARCHITECT FROM MANUFACTURER FULL RANGE.
20. FILLERS PANELS BY CABINET MANUFACTURER TO MATCH CABINETS, PROVIDE AND INSTALL.

"L" = DOOR/DRAWER TO BE LOCKED WITH KEY CYLINDER. COORDINATE WITH OWNER ON KEYING SYSTEM REQUIREMENTS

"F" = FILE DRAWER. INTERIOR DIMENSIONS SHALL MEET STANDARD FILE DRAWER DIMENSIONS. INSTALL HANGING FILE HARDWARE.

"UL" = UNDER UPPER CABINET LIGHT, REFER TO ELECTRICAL DRAWINGS, APPLY 2" LAMINATED APRON.

"AP" = REMOVABLE ACCESS PANEL. PROVIDE COUNTERSUNK ANCHORS.

"K" = KEYBOARD TRAYS PROVIDED BY OWNER - 30" WIDE

"G" = GROMMETS, VERIFY LOCATION WITH OWNER

"R" = BUILT IN REFRIGERATED UNITS WITH CUSTOM CABINET FRONT TO MATCH ADJACENT CASEWORK

Interiors General Notes

REFERENCE A-001 FOR GENERAL PLAN NOTES. ALL NOTES MAY NOT APPLY TO THIS SHEET.

1. APPLIANCES ARE TO BE PROVIDED BY THE OWNER, REFRIGERATORS, FREEZERS, DISHWASHERS, CONCESSION EQUIPMENT, VENDING MACHINES, STOVES, ETC..
2. FURNITURE IS NOT PROVIDED IN THIS CONTRACT, LAYOUTS AND FINAL DESIGN WILL BE DETERMINED BY THE OWNER.
3. REFERENCE ARCHITECTURAL CEILINGS PLANS FOR CEILING HEIGHTS AND BULKHEAD COLOR DESIGNATIONS. PAINT ALL BULKHEADS TO MATCH ADJACENT WALLS UNLESS SPECIFICALLY NOTED OTHERWISE. BULKHEADS THAT ARE FLUSH WITH WALLS PROVIDE COLOR TO MATCH ADJACENT WALL COLOR.
4. PAINT INTERIOR HOLLOW METAL DOOR FRAMES "PT3".
5. APPLIANCES AND TV DISPLAYS ARE NOT PROVIDED IN THIS CONTRACT.
6. ALL EXPOSED CEILINGS TO BE PAINTED "BRIGHT WHITE" UNLESS SPECIFICALLY NOTED OTHERWISE.
7. PROVIDE SAMPLES OF ALL FINISHES TO ARCHITECT/DESIGNER FOR REVIEW INCLUDING INSTALLATION, JOINT AND SEAM LAY-OUTS.
8. REFERENCE INTERIOR ELEVATIONS, WHERE PROVIDED, FOR ADDITIONAL FINISH INFORMATION.
9. PAINT ALL EXPOSED METAL SURFACES (I.E. GRILLS, HEATERS, AND FIRE EXTINGUISHER CABINETS) TO MATCH ADJACENT SURFACE.
10. SEE SHEET I3.03 FOR TRANSITION STRIP DETAILS FOR TRANSITIONS BETWEEN UNLIKE FLOORING SURFACES. COLOR TO BE SELECTED BY ARCHITECT/DESIGNER.
11. ALL FLOORING TRANSITIONS ARE TO BE EASED USING LATEX CEMENT TO ACHIEVE A SMOOTHER AND UNIFORM TRANSITION.
12. ALL FLOORING TRANSITIONS BETWEEN TILE AND SEALED CONCRETE ARE TO HAVE A FEATHERED EDGE SKIM COAT TO INSURE THE FINISHED FLOORS ARE AT THE SAME HEIGHT AND TRANSITIONS ARE FLUSH.
13. SEALER IS NOT TO BE USED ON CONCRETE WHERE TILE IS TO BE INSTALLED.
14. ALTERNATES WILL NOT BE ACCEPTED WITHOUT WRITTEN APPROVAL OF ARCHITECT/DESIGNER. SAMPLES, WHEN APPLICABLE, SHALL BE SUBMITTED FOR REVIEW.
15. FLOOR FINISHES ARE TO EXTEND UNDER BUILT-IN MILLWORK AND CASEWORK.
16. PROVIDE 5/8" TILE BACKER UNITS ON ALL WALLS AT WALL TILE INSTALLATIONS.
17. UNLESS SPECIFICALLY NOTED, USE GENERAL WALL FINISHES NOTED IN ROOM.
18. GENERAL CONTRACTOR IS RESPONSIBLE FOR INSPECTING FLOOR SUBSTRATE PRIOR TO INSTALLATION OF ANY FLOOR FINISH AND IS TO PERFORM NECESSARY REPAIRS AS REQUIRED FOR FULL INSTALLATION OF FLOOR FINISHES.
19. CAULK/SEALANT COLOR TO BE TRANSLUCENT CLEAR AT ALL COUNTERTOPS.
20. PROVIDE MANUAL WINDOW SHADES AT ALL NOTED LOCATIONS.
21. ALL FLOORING TILE TO BE THIN SET.
22. ALL EXPOSED STEEL COLUMNS TO BE PAINTED TO MATCH ADJACENT WALL UNLESS OTHERWISE NOTED.
23. ALL WINDOW STOOLS TO BE "SS2". SEE FINISH LEGEND.

ROOM NUMBER	ROOM NAME	FINISHES FLOOR	BASE	WALLS	REMARKS
101	CONTROL OFFICE	LVT	VWB-1	EXISTING	
102	ENTRY/EXIT	EXIST	EXIST	EXIST	
103	MANAGERS OFFICE	EXIST	EXIST	EXIST	
104	SUPERVISOR'S OFFICE	EXIST	EXIST	EXIST	
105	OPERATIONS MGR OFFICE	EXIST	EXIST	EXIST	
106	CORRIDOR	EXIST	EXIST	EXIST	
107	SUPPORT OFFICES	EXIST	EXIST	EXIST	
108	HALLWAY	EXIST	EXIST	EXIST	
109	MENS RR	EXIST	EXIST	EXIST	
110	WOMENS RR	EXIST	EXIST	EXIST	
111	SERVER	EXIST	EXIST	EXIST	
112	PURCHASING	EXIST	EXIST	EXIST	
113	SECURED STORAGE	EXIST	EXIST	EXIST	
114	COMMISSARY PICK.	EXIST	EXIST	EXIST	
115	COMMISSARY	EXIST	EXIST	EXIST	
116	WORKER RR	EXIST	EXIST	EXIST	
117	WORKER RR	EXIST	EXIST	EXIST	
119	BODY SCANNER	EXIST	EXIST	EXIST	
120	WORKER INTAKE	MATCH EXISTING	MATCH EXISTING	PT1	
121	HALLWAY	EXIST	EXIST	EXIST	
122	WORKER SCANNER ROOM	MATCH EXISTING	MATCH EXISTING	PT1	
123	PIC OFFICE	EXIST	EXIST	EXIST	
123A	FOREMAN OFFICE	EXIST	EXIST	EXIST	
123B	OBSERVATION PLATFORM	EXIST	EXIST	EXIST	
123C	BODY SCANNER	EXIST	EXIST	EXIST	
124	JANITORS ROOM	EXIST	EXIST	EXIST	
126	DOCK	EXIST	EXIST	EXIST	
127	WORKER RR	EXIST	EXIST	EXIST	
128	OFFENDER RR	EXIST	EXIST	EXIST	
129	OFFENDER RR	EXIST	EXIST	EXIST	
130	OPEN WORKER RR	EXIST	EXIST	EXIST	
131	WORKER RR	EXIST	EXIST	EXIST	
132	STAFF RR	EXIST	EXIST	EXIST	
133	SHIPPING OFFICE	SC	VWB-1	PT1	
134	SECURE STORAGE	EXIST	EXIST	EXIST	
135	STORAGE	EXIST	EXIST	EXIST	
136	SPRINKLER RISER	EXIST	EXIST	EXIST	
137	ELECTRICAL	EXIST	EXIST	EXIST	
138	FORKLIFT CHARGING	EXIST	EXIST	EXIST	
149	WORKER RR	EXIST	EXIST	EXIST	
150	DRIVER ENTRANCE	EXIST	EXIST	EXIST	
A100	LUNCH ROOM	SC	--	PT1	
A100.1	DOCK	SC	--	PT1	
A101	OBSERVATION	SC	--	PT1	
A102	SECURED RETURNS	SC	--	PT1	
A103	MEZZANINE ACCESS	SC	--	PT1	
A104	IT STOR.	SC	--	PT1	
A105	CONFERENCE ROOM	SC	--	PT1	
A106	RESTROOM	SC	--	PT1	
A107	STORAGE	SC	--	PT1	
A201	MEZZANINE STORAGE	SC	VWB-1	PT1	
A372	JAN.	EXIST	EXIST	EXIST	

BASED ON PRODUCTS LISTED BELOW...PROVEN EQUAL PRODUCTS MAY BE CONSIDERED. COLORS TO BE CHOSEN BY ARCHITECT FROM FULL RANGE OF STANDARD COLORS.

	URETHANE $.WB.SLF.1.NT BASE: MASTERSEAL WP-1	URETHANE $.WB.SLF.2.NT BASE: MASTERSEAL NP 150	URETHANE $.WB.SLF.3.NT BASE: MASTERSEAL CR 195	URETHANE $.WB.SL.2.NT BASE: MASTERSEAL NP 2	URETHANE $.WB.SL.3.NT BASE: MASTERSEAL 60	URETHANE $.WB.SL.MW.1.NT SIKA: SIKAFLEX-15 LM	URETHANE $.WB.SL.2.NT SIKA: SIKAFLEX-2c NS	URETHANE $.P.F.3.NT SIKA: SIKAFLEX-15 SL	SILICONE $.WB.2.NT SIKA: SIKASIL-H Pool (Industry)	SILICONE, NON-BLEACHING $.WB.SS.NT SIKA: SIKASIL-NB
CONCRETE (VERTICAL EXTERIOR)	●	●	●	●	●	●	●		●	●
CONCRETE (VERTICAL INTERIOR)	●	●	●	●	●	●	●		●	●
CONCRETE (HORIZONTAL EXTERIOR - TRAFFIC)				●		●		●		
CONCRETE (HORIZONTAL INTERIOR - TRAFFIC)				●		●		●		
CONCRETE (HORIZONTAL EXTERIOR - NON-TRAFFIC)	●	●	●	●	●	●	●	●		
CONCRETE (HORIZONTAL INTERIOR - NON-TRAFFIC)	●	●	●	●	●	●	●	●		
MASONRY	●	●	●	●	●	●	●		●	●
NATURAL STONE	●	●	●	●	●		●			●
PANEL WALLS	●	●	●	●	●		●			
METALS	●	●	●	●	●		●		●	
ALUMINUM	●	●	●	●	●		●		●	●
PLASTIC		●	●						●	●
WOOD	●	●	●	●	●		●		●	●
EIFS		●		●		●	●			
STUCCO	●	●		●		●	●			
GLAZING (GLASS)									●	●
PLASTIC GLAZING									●	●
TILE									●	●
FIBERGLASS									●	●
PLASTIC LAMINATE									●	●
SIMULATED STONE									●	●
PORCELAIN									●	●
KITCHEN/BATH FIXTURES									●	●
WINDOW/DOOR FRAMES	●	●	●	●	●	●	●		●	●
EXPANSION JOINTS	●	●	●	●	●	●	●		●	●

INTERIORS FINISH LEGEND

CARPET

CPT1

WOC-1

LUXURY VINYL TILE

LVT-1 LUXURY VINYL TILE AS SELECTED BY OWNER

POLISHED CONCRETE

PC

STATIC CONTROL FLOORING

SDT

FLOOR TILE

PORC-1

WALL TILE

PORC-2

PORC-3

PAINT

PT1 SHERWIN WILLIAMS PAINT: AS SELECTED BY OWNER TO MATCH EXISTING. LOCATION: TYPICAL ALL INTERIOR CMU WALLS (TO MATCH EXISTING)

PT2 SHERWIN WILLIAMS PAINT: AS SELECTED BY OWNER TO MATCH EXISTING. LOCATION: TYPICAL ALL EXTERIOR PRECAST WALLS (TO MATCH EXISTING)

PT3 SHERWIN WILLIAMS PAINT: AS SELECTED BY OWNER TO MATCH EXISTING. LOCATION: TYPICAL ALL EXTERIOR PRECAST REVEALS (TO MATCH EXISTING)

PT4 SHERWIN WILLIAMS PAINT: AS SELECTED BY OWNER TO MATCH EXISTING. LOCATION: TYPICAL ALL EXTERIOR HOLLOW METAL DOORS AND FRAMES (TO MATCH EXISTING)

PT5 SHERWIN WILLIAMS PAINT: AS SELECTED BY OWNER TO MATCH EXISTING. LOCATION: TYPICAL ALL INTERIOR HOLLOW METAL DOORS, WINDOWS AND FRAMES (TO MATCH EXISTING). ALSO TYPICAL AT ALL INTERIOR STEEL AND WOOD TRIM

PT6

PT7

VINYL BASE

VWB-1 SHERWIN WILLIAMS PAINT TILE AS SELECTED BY OWNER TO MATCH EXISTING. LOCATION: INTERIOR - TYPICAL ALL EXTERIOR PRECAST REVEALS (TO MATCH EXISTING)

PLASTIC LAMINATE

PL1

SOLID SURFACE

SS1

SS2

EPOXY

EPX-1

FIBER REINFORCED WALL PANELS (FRP)

FRP-1

MARKER BOARDS

MI

INTERIOR DOOR FINISH

WD

Interiors Legend

GENERAL

OP	OWNER PROVIDED
RE	REFRIGERATOR
FR	FREEZER
VD	VENDING MACHINE
MW	MICROWAVE
DW	DISHWASHER
TV	TELEVISION

CASEWORK

TW	TEACHER WARDROBE
GS	GENERAL STORAGE
OS	OPEN STORAGE
BS	BOOK STORAGE
PS	POSTER STORAGE
TS	TOTE STORAGE
AP	APRON STORAGE
SH	SHOWER
EW	EYEWASH
FS	FILE STORAGE
AC	ACID CABINET
FL	FLAMMABLE CABINET
MS	MICROSCOPE STORAGE
FH	FUME HOOD
PB	PEG BOARD

VISUAL DISPLAY

MB	MARKER BOARD
CB	CHALK BOARD
TB	TACK BOARD
DB	DISPLAY BOARD
TS	TACK STRIP

STUDIO VIEW ARCHITECTURE

ERIC S. WEFLEN REGISTERED No. AR11500138 STATE OF INDIANA ARCHITECT

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DEPARTMENT OF CORRECTIONS - PLAINFIELD, IN

ICI WAREHOUSE EXPANSION

727 MOON RD. PLAINFIELD, IN 46168

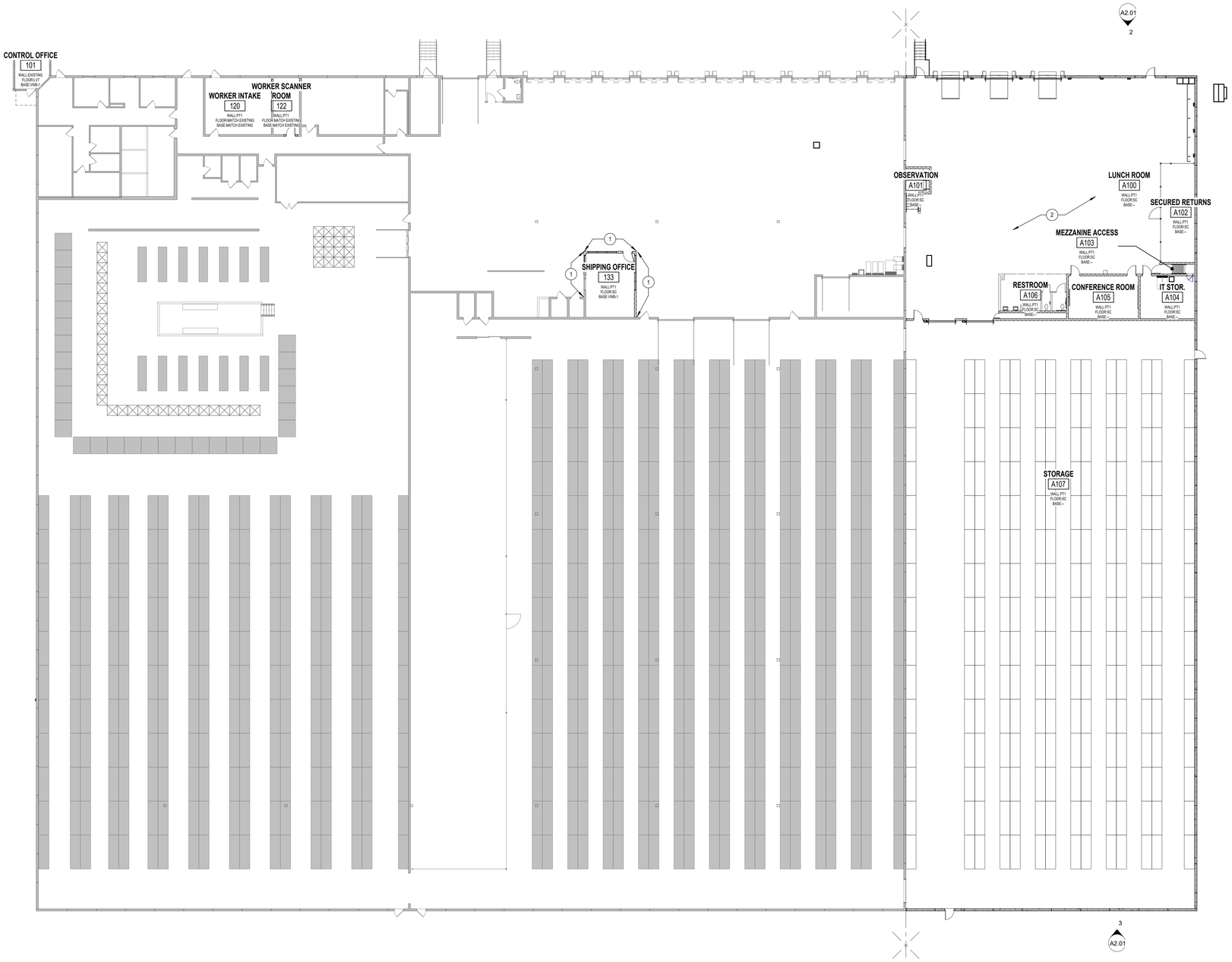
#	Revision	Date

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Project #: 32011091-2026-003
Designed By: EAV
Drawn By: EAV
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INTERIOR GENERAL NOTES

I0.01



1 FIRST FLOOR INTERIORS PLAN I1.01
1/16" = 1'-0"

5.5.110 - INTERIOR PLAN NOTES

Key	Note
1	PRIME AND PAINT ENTIRE PERIMETER OF SHIPPING OFFICE TO INSIDE CORNERS
2	PRIME AND PAINT ALL CMU WALLS WITH EPOXY PAINT

Interiors General Notes

REFERENCE A-001 FOR GENERAL PLAN NOTES. ALL NOTES MAY NOT APPLY TO THIS SHEET.

1. APPLIANCES ARE TO BE PROVIDED BY THE OWNER, REFRIGERATORS, FREEZERS, DISHWASHERS, CONCESSION EQUIPMENT, VENDING MACHINES, STOVES, ETC..
2. FURNITURE IS NOT PROVIDED IN THIS CONTRACT, LAYOUTS AND FINAL DESIGN WILL BE DETERMINED BY THE OWNER.
3. REFERENCE ARCHITECTURAL CEILINGS PLANS FOR CEILING HEIGHTS AND BULKHEAD COLOR DESIGNATIONS. PAINT ALL BULKHEADS TO MATCH ADJACENT WALLS UNLESS SPECIFICALLY NOTED OTHERWISE. BULKHEADS THAT ARE FLUSH WITH WALLS PROVIDE COLOR TO MATCH ADJACENT WALL COLOR.
4. PAINT INTERIOR HOLLOW METAL DOOR FRAMES "PT3".
5. APPLIANCES AND TV DISPLAYS ARE NOT PROVIDED IN THIS CONTRACT.
6. ALL EXPOSED CEILINGS TO BE PAINTED "BRIGHT WHITE" UNLESS SPECIFICALLY NOTED OTHERWISE.
7. PROVIDE SAMPLES OF ALL FINISHES TO ARCHITECT/DESIGNER FOR REVIEW INCLUDING INSTALLATION, JOINT AND SEAM LAY-OUTS.
8. REFERENCE INTERIOR ELEVATIONS, WHERE PROVIDED, FOR ADDITIONAL FINISH INFORMATION.
9. PAINT ALL EXPOSED METAL SURFACES (I.E. GRILLS, HEATERS, AND FIRE EXTINGUISHER CABINETS) TO MATCH ADJACENT SURFACE.
10. SEE SHEET I3.03 FOR TRANSITION STRIP DETAILS FOR TRANSITIONS BETWEEN UNLIKE FLOORING SURFACES. COLOR TO BE SELECTED BY ARCHITECT/DESIGNER.
11. ALL FLOORING TRANSITIONS ARE TO BE EASED USING LATEX CEMENT TO ACHIEVE A SMOOTHER AND UNIFORM TRANSITION.
12. ALL FLOORING TRANSITIONS BETWEEN TILE AND SEALED CONCRETE ARE TO HAVE A FEATHERED EDGE SKIM COAT TO INSURE THE FINISHED FLOORS ARE AT THE SAME HEIGHT AND TRANSITIONS ARE FLUSH.
13. SEALER IS NOT TO BE USED ON CONCRETE WHERE TILE IS TO BE INSTALLED.
14. ALTERNATES WILL NOT BE ACCEPTED WITHOUT WRITTEN APPROVAL OF ARCHITECT/DESIGNER. SAMPLES, WHEN APPLICABLE, SHALL BE SUBMITTED FOR REVIEW.
15. FLOOR FINISHES ARE TO EXTEND UNDER BUILT-IN MILLWORK AND CASEWORK.
16. PROVIDE 5/8" TILE BACKER UNITS ON ALL WALLS AT WALL TILE INSTALLATIONS.
17. UNLESS SPECIFICALLY NOTED, USE GENERAL WALL FINISHES NOTED IN ROOM.
18. GENERAL CONTRACTOR IS RESPONSIBLE FOR INSPECTING FLOOR SUBSTRATE PRIOR TO INSTALLATION OF ANY FLOOR FINISH AND IS TO PERFORM NECESSARY REPAIRS AS REQUIRED FOR FULL INSTALLATION OF FLOOR FINISHES.
19. CAULK/SEALANT COLOR TO BE TRANSLUCENT CLEAR AT ALL COUNTERTOPS.
20. PROVIDE MANUAL WINDOW SHADES AT ALL NOTED LOCATIONS.
21. ALL FLOORING TILE TO BE THIN SET.
22. ALL EXPOSED STEEL COLUMNS TO BE PAINTED TO MATCH ADJACENT WALL UNLESS OTHERWISE NOTED.
23. ALL WINDOW STOOLS TO BE "SS2". SEE FINISH LEGEND.

STUDIO VIEW ARCHITECTURE

ERIC S. WEFLEN
REGISTERED
No. AR11500138
STATE OF INDIANA
ARCHITECT

Design Partners:

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DEPARTMENT OF CORRECTIONS - PLAINFIELD
ICI WAREHOUSE EXPANSION
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INTERIOR FIRST FLOOR PLAN

I1.01

CONTROL SYMBOLS

TTT OR TTT	AIRFLOW MEASURING STATION
AFS	AIR FLOW SWITCH
AL	ALARM
BDD	BACKDRAFT DAMPER (GRAVITY)
CO2	CO_2 SENSOR
120/60/1 BY EC	
CS	CURRENT SENSOR
	DISCONNECT SWITCH - FUSED
	DISCONNECT SWITCH - NON-FUSED
DD	DUCT DETECTOR
I/S	CURRENT TO PNEUMATIC TRANSDUCER
ES	DAMPER END SWITCH (BINARY)
DP	DIFFERENTIAL PRESSURE SENSOR (ANALOG)
DPS	DIFFERENTIAL PRESSURE SWITCH SENSOR (BINARY)
DPS (HL)	DIFFERENTIAL PRESSURE SWITCH (HIGH LIMIT) (BINARY)
DPS (LL)	(LOW LIMIT) (BINARY)
EP	ELECTRO-PNEUMATIC SWITCH
EPT	ELECTRO-PNEUMATIC TRANSDUCER
EAD	EXHAUST AIR DAMPER
FBD	FACE & BY-PASS DAMPER
FDD	FAN DISCHARGE DAMPER
FID	FAN INLET DAMPER
FC	FLOW CONTROLLER
FS	FLOW SENSOR
HOA	HAND-OFF-AUTO SWITCH
HTC	HUMIDITY CONTROLLER (PNEUMATIC)
HTE	HUMIDITY HIGH LIMIT (ELECTRIC)
H	HUMIDITY SENSOR (ELECTRONIC)
HH	HUMIDITY TRANSMITTER (PNEUMATIC)
TLL	LOW LIMIT SAFETY THERMOSTAT
MS 120/60/1 BY EC	MAGNETIC INDUCTIVE FLOW METER SENSOR
S	MANUAL SWITCH (ELECTRIC)
MDM	MODEM
MCC	MOTOR CONTROL CENTER
STR	MOTOR STARTER
OCC	OCCUPANCY SENSOR
OWS	OPERATOR'S WORK STATION
OAD	OUTDOOR AIR DAMPER
VPS	OUTDOOR AIR VOLUME PROBE, TRANSDUCER AND MONITOR
PR	PNEUMATIC RELAY
PE	PRESSURE-ELECTRIC SWITCH

PC	PRESSURE CONTROLLER (PNEUMATIC)
P	PRESSURE SENSOR (ELECTRONIC)
PT	PRESSURE TRANSMITTER (PNEUMATIC)
RAD	RETURN AIR DAMPER
SD	SMOKE DETECTOR
S/S	START/STOP SWITCH
OM 120/60/1 BY EC	STEAM FLOW MEASUREMENT ORIFICE PLATE & MASS FLOW COMPUTER
SAD	SUPPLY AIR DAMPER
TC	OVERRIDE TIMER
TC	TEMPERATURE CONTROLLER (PNEUMATIC)
T	TEMPERATURE SENSOR (ELECTRONIC)
TT	TEMPERATURE TRANSMITTER (PNEUMATIC)
M	TERMINAL BOX ACTUATOR
TM	TURBINE METER
VFC	VARIABLE FREQUENCY CONTROLLER FOR MOTOR
UPS	UNINTERRUPTED POWER (SUPPLY)
VP	VELOCITY PRESSURE SENSOR (ELECTRONIC)
VS	VIBRATION SWITCH
VD	VOLUME DAMPER (MANUAL)
VXT	VORTEX SHEDDING AIR FLOW TRANSMITTER
VSM 120/60/1 BY EC	VORTEX SHEDDING FLOW METER
20	20 PSIG MAIN CONTROL AIR
	PRESSURE GAUGE
HC	HOLDING COIL
H	HUMIDISTAT (SPACE)
S	SWITCH (PNEUMATIC)
T	THERMOSTAT OR TEMPERATURE SENSOR (SPACE)
T_N	THERMOSTAT (SPACE) NIGHT CYCLE
	0-30 PSIG AIR GAUGE
LAN	LOCAL AREA NETWORK
TCC	TEMPERATURE CONTROL CONTRACTOR
(NOTE: TCC & ECC ARE USED INTERCHANGEABLY)	
ECC	ENVIRONMENTAL CONTROL CONTRACTOR
EC	ELECTRICAL CONTRACTOR
P OR	PNEUMATIC
E OR	ELECTRICAL WIRING
AI-X	ANALOG INPUT (DDC CONTROLLER)
AO-X	ANALOG OUTPUT (DDC CONTROLLER)
BI-X	BINARY INPUT (DDC CONTROLLER)
BO-X	BINARY OUTPUT (DDC CONTROLLER)

GENERAL SYMBOLS

1	REVISION NUMBER - SHOWN ON PLANS
	POINT WHERE NEW CONNECTS TO EXISTING
1 / M210	NUMBER OF DETAIL ON SHEET / NUMBER OF SHEET WHERE DETAIL APPEARS
1	PLAN NOTE
	CONTINUATION SYMBOL
Room 5	ROOM NAME AND NUMBER
	ITEM TO BE DEMOLISHED
	AREA NOT IN CONTRACT
A.	GENERAL NOTE
1.	PLAN NOTE LIST
T	THERMOSTAT
H	HUMIDISTAT
PM	PRESSURE MONITOR (FLOOR PLAN)
Co2	Co2 MONITOR (FLOOR PLAN)

LINE SYMBOLS

	LIGHT/SCREENED SOLID OR DASHED LINES INDICATE EXISTING TO REMAIN
	HEAVY DASHED LINES INDICATE EXISTING TO BE REMOVED
	HEAVY CONTINUOUS LINES INDICATE NEW WORK
	LIGHT DOT LINES INDICATE FUTURE WORK

ABBREVIATIONS

Ø	ROUND	LVR	LOUVER
ABV	ABOVE	LWT	LEAVING WATER TEMPERATURE
AC	AIR CONDITIONING	M/A	MIXED AIR
AD	AREA DRAIN	MAX	MAXIMUM
ADD	ADDENDUM	MBH	ONE THOUSAND BTU PER HOUR
AFF	ABOVE FINISHED FLOOR	MCF	ONE THOUSAND CUBIC FEET
AFUE	ANNUAL FUEL UTILIZATION EFFICIENCY	MD	MOTORIZED DAMPER
ALT	ALTERNATE	MECH	MECHANICAL
AP	ACCESS PANEL	MFR	MANUFACTURER
ARCH	ARCHITECT/ARCHITECTURAL	MIN	MINIMUM
BFF	BELOW FINISHED FLOOR	MISC	MISCELLANEOUS
BLW	BELOW	MTR	MOTOR
BTU	BRITISH THERMAL UNITS	MUA	MAKE-UP/AIR
BTUH	BRITISH THERMAL UNITS PER HOUR	NC	NOISE CRITERIA
CAP	CAPACITY	NC	NORMALLY CLOSED
CB	CATCH BASIN	NIC	NOT IN CONTRACT
CFM	CUBIC FEET PER MINUTE	NO	NUMBER
CLG	CEILING	NO	NORMALLY OPEN
CO	CLEAN OUT	NTS	NOT TO SCALE
CW	COLD WATER	O	OXYGEN
D	DEGREE	O/A	OUTSIDE AIR
DB	DRY BULB	ORD	OVERFLOW ROOF DRAIN
DIA	DIAMETER	PD	PRESSURE DROP
DN	DOWN	PIV	POST INDICATOR VALVE
DW	DISTILLED WATER	PLBG	PLUMBING
EA	EACH	PRESS	PRESSURE
EAT	ENTERING AIR TEMPERATURE	PRV	PRESSURE REDUCING VALVE
ELEC	ELECTRICAL	PSI	POUNDS PER SQUARE INCH
EQUIP	EQUIPMENT	PSIG	POUNDS PER SQUARE INCH GAUGE
EWC	ELECTRIC WATER COOLER	PWR	POWER
EWT	ENTERING WATER TEMPERATURE	R	DUCT RISER
E/A	EXHAUST AIR	R/A	RETURN AIR
EXIST	EXISTING	RCP	RADIANT CEILING PANEL
F	DEGREES FAHRENHEIT	RD	ROOF DRAIN
FCO	FLOOR CLEAN OUT	REC	RECESSED
FD	FLOOR DRAIN	RED	REDUCER
FD	FIRE DAMPER	RH	RELATIVE HUMIDITY
FDV	FIRE DEPARTMENT VALVE	RLA	RELIEF AIR
FL	FLOOR	RM	ROOM
FO	FUEL OIL	RPM	REVOLUTIONS PER MINUTE
FOV	FUEL OIL VENT	RW	RAIN WATER
FOR	FUEL OIL RETURN	SF	SQUARE FOOT
FOS	FUEL OIL SUPPLY	S/A	SUPPLY AIR
FPM	FEET PER MINUTE	SAN	SANITARY
FS	FLOOR SINK	SF	SQUARE FOOT
FT	FOOT/FEET	SD	SMOKE DAMPER
FTR	FIN TUBE RADIATION	SM	SURFACE MOUNT
GAL	GALLON	SP	STANDPIPE
GC	GENERAL CONTRACTOR	SP	STATIC PRESSURE
GPM	GALLONS PER MINUTE	STM	STEAM
GW	GREASE WASTE	T	THERMOSTAT
HB	HOSE BIB	TD	TEMPERATURE DROP
HP	HORSE POWER	TDR	TRENCH DRAIN
HTG	HEATING	TEMP	TEMPERATURE
HTR	HEATER	TYP	TYPICAL
HW	HOT WATER	U/G	UNDERGROUND
HYD	HYDRANT	VAC	VACUUM
ID	INDIRECT	V	VENT
IN	INCH	VAV	VARIABLE AIR VOLUME
INV	INVERT	VENT	VENTILATION
LB	POUND	VTR	VENT THROUGH ROOF
LB/HR	POUNDS PER HOUR	W	WASTE
LAT	LEAVING AIR TEMPERATURE	WB	WET BULB
LP	LOW PRESSURE	WCO	WALL CLEAN OUT
LPG	LIQUEFIED PETROLEUM GAS	WH	WALL HYDRANT

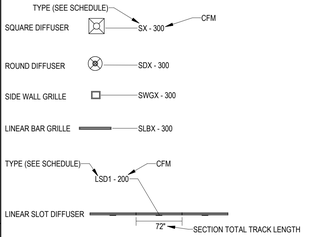
EQUIPMENT ABBREVIATIONS

AC	AIR CONDITIONING UNIT	ET	EXPANSION TANK
ACCU	AIR COOLING CONDENSING UNIT	EWH	ELECTRIC WATER HEATER
AHU	AIR HANDLING UNIT	FCU	FAN COIL UNIT
AS	AIR SEPARATOR	FP	FIRE PUMP
B	BOILER	GI	GREASE INTERCEPTOR
CH	CHILLER	GRV	GRAVITY ROOF VENTILATOR
CT	COOLING TOWER	HWP	HEATING WATER PUMP
CUH	CABINET UNIT HEATER	HRU	HEAT RECOVERY UNIT
CHWP	CHILLED WATER PUMP	PRV	POWER ROOF VENTILATOR
DBP	DOMESTIC WATER BOOSTER PUMP	RE	RETURN/EXHAUST FAN
DC	DUCT MOUNTED COIL	RTU	ROOFTOP UNIT
DCP	DOMESTIC WATER CIRCULATING PUMP	SP	SUMP PUMP
EF	EXHAUST FAN	UH	UNIT HEATER
EDC	ELECTRIC DUCT COIL	WH	WATER HEATER

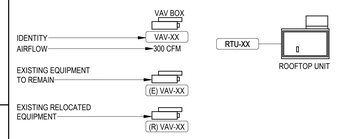
HVAC SYMBOLS

16"x8"	SQUARE DUCT SIZE TAG (WIDTH x HEIGHT)
16"/8"	OVAL DUCT SIZE TAG (WIDTH / HEIGHT)
16"Ø	ROUND DUCT SIZE TAG (DIAMETER)
(E)	EXISTING DUCT TAG
16"x16"	DUCT BEING DEMOLISHED
16"Ø S/A	SUPPLY AIR
16"Ø S-O/A	CONDITIONED OUTSIDE AIR
16"Ø O/A	OUTSIDE AIR
16"Ø R/A	RETURN AIR
16"Ø T/A	TRANSFER AIR
16"Ø E/A	EXHAUST AIR
16"Ø L/A	RELIEF AIR
16"Ø GE/A	GREASE EXHAUST AIR
16"Ø SE/A	SMOKE EXHAUST AIR
16"Ø FLUE	EXHAUST GAS FLUE
16"Ø C/A	COMBUSTION AIR
	FLEX DUCT
DROP 24	RECTANGULAR SUPPLY/OUTSIDE AIR DUCT RISE
DROP 10	ROUND SUPPLY/OUTSIDE AIR DUCT RISE
DROP 24	RECTANGULAR RETURN/TRANSFER AIR DUCT RISE
DROP 24	ROUND RETURN/TRANSFER AIR DUCT RISE
DROP 24	RECTANGULAR EXHAUST/RELIEF AIR DUCT RISE
DROP 24	ROUND EXHAUST/RELIEF AIR DUCT RISE
AD AFMS	AIR FLOW MEASURING STATION
	INSULATED METAL PANEL
	BOOT TAP OR 45 DEGREE ENTRY FITTING
R=1.0 D=1.0	R (RISE), D (DROP) ARROW IN DIRECTION OF AIR FLOW
AD	ACCESS DOOR
	90 DEGREE ELBOW WITH TURNING VANES
	STANDARD RADIUS ELBOW WITH CENTER RADIUS EQUAL TO 1-1/2 TIMES WIDTH OF DUCT.
20"X12"Ø	FLAT OVAL DUCT (WIDTH X HEIGHT)
18"Ø	ROUND DUCT
20"X12"	RETANGULAR DUCT (WIDTH X HEIGHT)
	SPIN-IN FITTING WITH MANUAL VOLUME DAMPER AND FLEXIBLE DUCT CONNECTION
	CONICAL FITTING
20"X12" 12"Ø	SQUARE-TO-ROUND TRANSITION

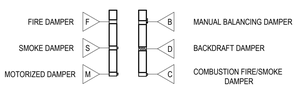
GRILLES, REGISTERS & DIFFUSERS TAGS



MECHANICAL EQUIPMENT TAGS

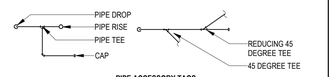


DAMPER TAGS



MECHANICAL PIPING SYMBOLS

CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CD	CONDENSATE DRAINAGE
CWR	CONDENSER WATER RETURN
CWS	CONDENSER WATER SUPPLY
GWR	GEOTHERMAL WATER RETURN
GWS	GEOTHERMAL WATER SUPPLY
HWR	HEATING WATER RETURN
HWS	HEATING WATER SUPPLY
G	NATURAL GAS
PG	PROPANE GAS
REF-L	REFRIGERANT-LIQUID
REF-S	REFRIGERANT-SUCTION
REF-HG	REFRIGERANT-HOT GAS
STM	STEAM
CDR	CONDENSATE RETURN
2"	PIPE SIZE TAG (DIAMETER)
	ABOVE GROUND PIPING
1/8" / 12" SLOPE	PIPE SLOPE TAG
	BELOW GROUND PIPING
INVERT: -105' - 1"	PIPE INVERT ELEVATION TAG
(E)	EXISTING PIPE TAG
	PIPING BEING DEMOLISHED



PIPE ACCESSORY TAGS

2" DOM. WM DOMESTIC WATER METER	2" M-CNTRL MOTORIZED CONTROL VALVE
2" BALANCING BALANCING VALVE	2" 3-WAY CNTRL 3 WAY MOTORIZED CONTROL VALVE
2" SHUTOFF 1/4 TURN BALL VALVE	2" PRV PRESSURE REDUCING VALVE
2" CHECK CHECK VALVE	3/8" SOLENOID REFRIGERANT SOLENOID VALVE
2" TMV 3-WAY MIXING VALVE	2" BUTTERFLY BUTTERFLY VALVE

VALVE AND FITTING SYMBOLS

PLAN VIEW	DETAIL VIEW	
		PIPING FLEXIBLE CONNECTION
		PIPE TURNED UP (UNLESS NOTED OTHERWISE)
		PIPE TURNED DOWN
TOP	TOP	PIPE OUT TOP
BOT	BOT	PIPE OUT BOTTOM
		THREADED NIPPLE W/CAP
		PIPE WITH BLIND FLANGE
		CONCENTRIC REDUCER
		ECCENTRIC REDUCER
		ISOLATION VALVE
		CHECK VALVE
		UNION
		GATE VALVE
		BALL VALVE
		GLOBE VALVE
		BUTTERFLY VALVE
		TEMPERATURE CONTROL - 2-WAY MODULATING VALVE
		TEMPERATURE CONTROL - 2-WAY, 2-POSITION ISOLATION VALVE
	NC NO	TEMPERATURE CONTROL - 3-WAY MODULATING VALVE
	NC NO	TEMPERATURE CONTROL - 3-WAY, 2-POSITION ISOLATION VALVE
		CALIBRATED BALANCE VALVE
		AUTOMATIC FLOW BALANCE VALVE
		SAFETY RELIEF VALVE
		STRAINER
		DRAIN VALVE
		FLOW METER
		FLOOR DRAIN BY PC
		2-WAY MOTORIZED CONTROL VALVE
		3-WAY MOTORIZED CONTROL VALVE
		FLOW MEASURING DEVICE
		MANUAL AIR RELIEF VENT
		AUTOMATIC AIR RELIEF VENT
		LUBRICATED PLUG VALVE
		PRESSURE REDUCING VALVE(STEAM, GAS, COMPRESSED AIR)
		ANGLE VALVE
		REFRIGERANT HOT GAS BY-PASS VALVE
		SHUT-OFF COCK (HYDRONICS)
		SOLENOID VALVE
		REFRIGERANT EXPANSION VALVE
		WATER PRESSURE REDUCING/REGULATING VALVE
		STEAM TRAP
		DIELECTRIC FITTING BETWEEN STEEL AND COPPER
		STRAINER (STEAM)
		PRESSURE AND TEMPERATURE PLUG
		REFRIGERANT SIGHT GLASS
		THERMOMETER
		(P=PRESS V=VAC T=TEMP) GAUGE
		SENSOR (T-TEMP H-HUMIDITY)
	FS	FLOW SWITCH
	CO	CLEAN OUT
		INDICATED EXPANSION LOOP (COLD SPRUNG)
		ANCHOR
		GUIDE
		REFRIGERANT SHUT-OFF VALVE
		EXPANSION JOINT
		DIFFERENTIAL SWITCH
		REDUCED PRESSURE BACKFLOW PREVENTER

ALL SYMBOLS AND ABBREVIATIONS MAY NOT BE USED ON THIS PROJECT

STUDIO VIEW ARCHITECTURE

THOMAS M ROEDER JR REGISTERED NO. 11100167 STATE OF INDIANA PROFESSIONAL ENGINEER

Design Partners:

MATTINGLY CONSULTING

MEP DESIGN SERVICES
BIM COORDINATION
OWNERS REPRESENTATIVE

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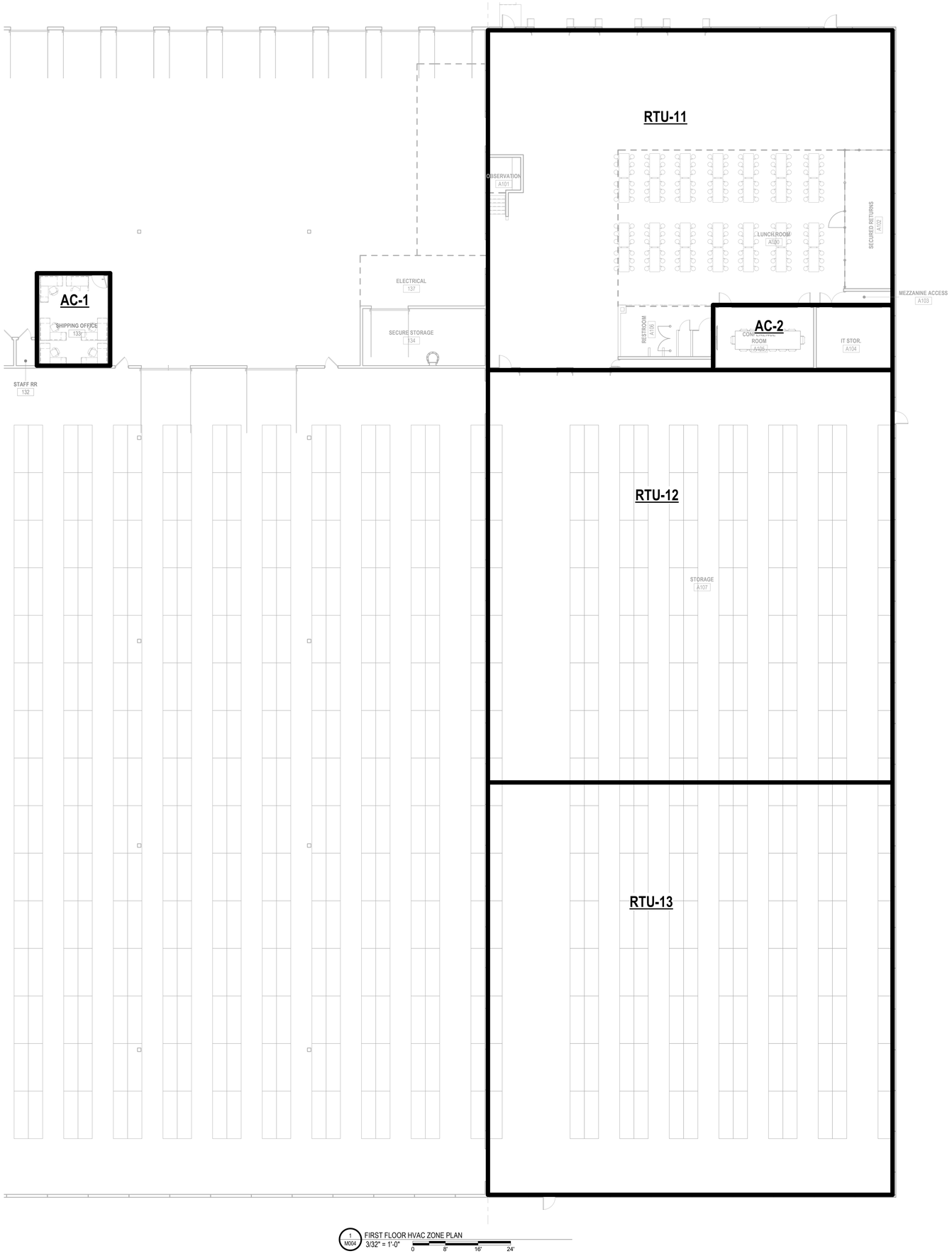
Project Number:
32011091-2026-003
Designed By: A.M.
Drawn By: A.M.
Checked By: T.R.
DATE: 4/10/2026 1:18:09 PM

MECHANICAL SYMBOLS AND ABBREVIATIONS

M001

GENERAL NOTES:

A. ZONE AREA FOR AHU.



1 M004 FIRST FLOOR HVAC ZONE PLAN
3/32" = 1'-0"
0 8' 16' 24'

STUDIO VIEW ARCHITECTURE

THOMAS M. ROEDER JR
REGISTERED
NO.
11100167
STATE OF
INDIANA
PROFESSIONAL ENGINEER

Design Partners:

MATTINGLY CONSULTING
MEP DESIGN SERVICES
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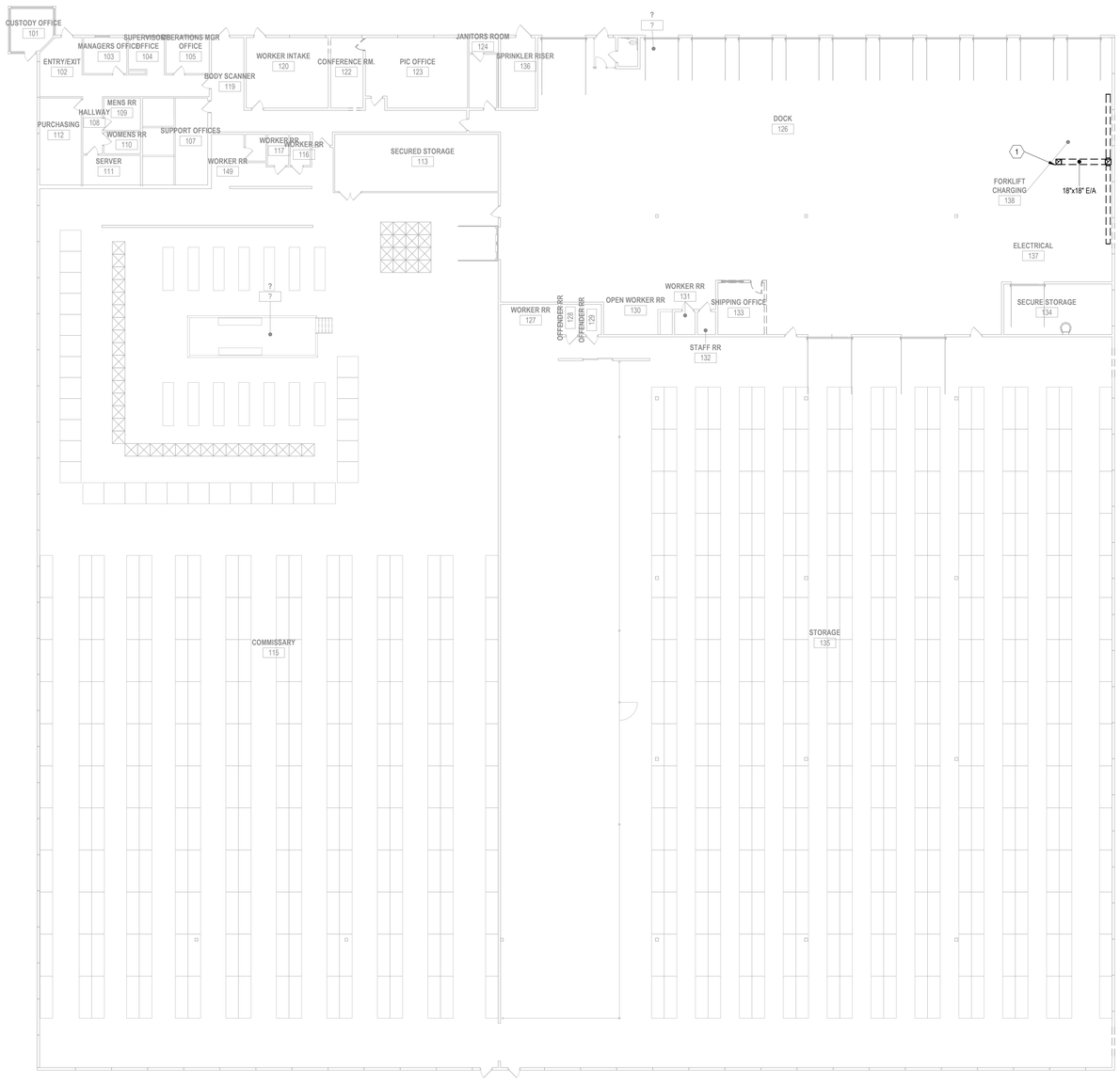
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Designed By: A.M.
Drawn By: A.M.
Checked By: T.R.
DATE: 4/10/2026 1:18:10 PM

HVAC ZONE PLAN

M004



1 **FIRST FLOOR MECHANICAL DEMOLITION PLAN**
1/16" = 1'-0"

HVAC DEMOLITION GENERAL NOTES

A. EXISTING SYSTEMS SHOWN ARE BASED ON EXISTING DRAWINGS AND FIELD VERIFIED TO THE EXTENT POSSIBLE. CONTRACTOR SHALL VERIFY THAT SERVICES INDICATED FOR REMOVAL DO NOT SERVE SPACES OUTSIDE THE PROJECT AREA. CONTRACTOR SHALL FIELD VERIFY THAT EXISTING SYSTEMS SHOWN ARE REPRESENTATIVE OF THE INSTALLED SYSTEMS AND REPORT MAJOR DISCREPANCIES TO ENGINEER OF RECORD.
B. INACTIVE, ABANDONED SYSTEMS NOT SHOWN ARE TO BE REPORTED TO THE ENGINEER OF RECORD.
C. CONTRACTOR IS TO COORDINATE ALL SERVICE INTERRUPTIONS WITH OWNER REPRESENTATIVES, MAINTENANCE STAFF, AND END-USERS. CONTRACTOR SHALL PROVIDE SUFFICIENT ADVANCE NOTICE TO ALL AFFECTED PARTIES OF IMPENDING OUTAGE.
D. SYSTEMS INDICATED BY DASHED LINE ARE TO BE REMOVED IN THEIR ENTIRETY UNLESS OTHERWISE DESCRIBED BY PLAN NOTE(S). THIS INCLUDES THE REMOVAL OF EXISTING HANGERS, INSULATION, ASSOCIATED CONTROLS AND ACCESSORIES. ALL DUCTWORK AND PIPING TERMINATIONS NOT SHOWN AS BEING REUSED SHALL BE CAPPED. CONTRACTOR SHALL PATCH INSULATION DAMAGED DURING DEMOLITION AND WHERE PIPING IS SHOWN TO BE CAPPED.
E. WHEN EQUIPMENT REQUIRING ELECTRICAL POWER IS REMOVED, CONTRACTOR SHALL ALSO DEMOLISH EXISTING POWER WIRING AND CONDUIT. A LICENSED ELECTRICIAN SHALL BE RESPONSIBLE FOR REMOVING ALL POWER WIRING AND CONDUIT.
F. WHERE REMAINING MECHANICAL, ELECTRICAL, PLUMBING, OR FIRE PROTECTION WORK PENETRATES EXISTING WALLS OR FLOORS, THE OPENING CREATED MUST BE REPAIRED TO MATCH THE EXISTING CONSTRUCTION AND FIRE RATING BY THE GENERAL CONSTRUCTION TRADE SKILLED IN THE WORK TO BE PERFORMED.
G. IF THE WORK OF OTHER TRADES IS CURRENTLY SUPPORTED BY WORK TO BE DEMOLISHED, CONTRACTOR SHALL FURNISH AND INSTALL NEW SUPPORTS.
H. UNUSED HANGERS FOUND WITHIN THE PROJECT SCOPE AREA SHALL BE REMOVED.
I. WHERE REQUIRED, PERFORM PRE-DEMOLITION SYSTEM TESTING (AIRFLOW, TEMPERATURE, ETC.) PRIOR TO BEGINNING ANY DEMOLITION.
J. FOR PHASED SCOPE OF WORK, REFER TO PHASING PLANS BY ECSM AND OTHER PROJECT MANUAL REQUIREMENTS. CONTRACTOR IS TO VERIFY THE SPACES TO REMAIN ACTIVE UNDER THERMAL CONTROL AND EXHAUST SYSTEMS TO REMAIN ACTIVE TO SUPPORT THE PHASING. PROVIDE TEMPORARY SYSTEM MODIFICATIOS (BLANKOFFS, CAPS, TEMPORARY DUCT CONNECTIONS, TEMPORARY PIPE CONNECTIONS, ETC) AS REQUIRED TO SUPPORT THE PHASING.

HVAC GENERAL NOTES DEMOLITION
NO SCALE

PLAN NOTES

#	NOTE
1	MC TO DEMOLISH EXISTING LOW EXHAUST SYSTEM BACK TO ROOF. GEF SHALL REMAIN OPERATIONAL. TERMINATE WITH EXPANDED METAL GRILLE.

STUDIO VIEW ARCHITECTURE

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Design Partners:

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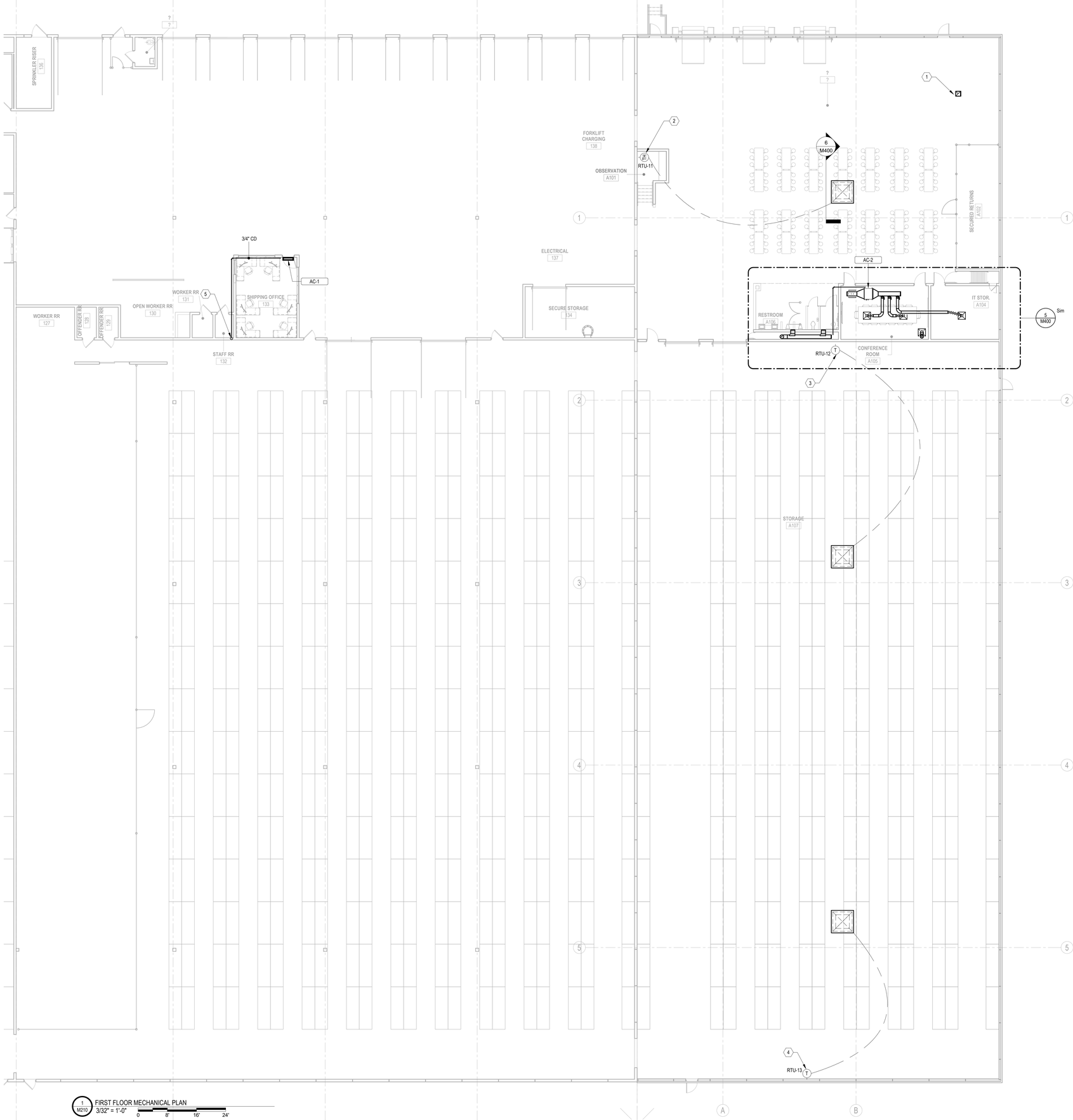
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Designed By: A.M.
Drawn By: A.M.
Checked By: T.R.
DATE: 4/10/2026 1:18:10 PM

FIRST FLOOR MECHANICAL DEMOLITION PLAN

M110



1 M210 FIRST FLOOR MECHANICAL PLAN
3/32" = 1'-0"
0 8' 16' 24'

GENERAL NOTES:

A. ALL DUCT DIMENSIONS GIVEN ARE INSIDE DIMENSIONED, UNLESS NOTED OTHERWISE.

B. COORDINATE ALL OPENINGS IN FLOORS, ROOF AND WALLS WITH THE GENERAL AND STRUCTURAL CONTRACTORS.

C. RUN ALL DUCTS AS HIGH AS POSSIBLE WITH RETURN AND EXHAUST ABOVE SUPPLY AS OFTEN AS POSSIBLE.

D. PROVIDE HARD DUCT CONNECTIONS FOR RETURN AND EXHAUST SYSTEMS.

E. PROVIDE TURNING VANES IN ALL SQUARE THROATED ELBOWS.

F. ALL RECTANGULAR SUPPLY AIR BRANCH CONNECTIONS SHALL BE 45° TAKE-OFF FITTINGS AND ROUND SUPPLY AIR BRANCH CONNECTIONS SHALL BE BELLMOUTH FITTINGS.

G. REFER TO DIFFUSER SCHEDULE FOR DUCT RUNOUT SIZE UNLESS NOTED OTHERWISE. ALL FLEXIBLE DUCTS TO DIFFUSERS MAXIMUM LENGTH 5'-0". FLEXIBLE DUCTS ARE NOT TO BE USED AS ELBOWS.

H. ALL ABOVE FINISH FLOOR (A.F.F.) DIMENSIONS ARE TO BE MEASURED TO BOTTOM OF EQUIPMENT OR DUCTWORK UNLESS NOTED OTHERWISE.

I. PROVIDE CEILING RADIATION DAMPERS (CRD) FOR ALL DIFFUSERS/GRILLES LOCATED IN RATED CEILINGS. COORDINATE TYPE OF CRD REQUIRED WITH ARCHITECTURALL CONSTRUCTION TYPE AS SHOWN ON ARCHITECTURAL PLANS.

J. COORDINATE WITH GENERAL CONTRACTOR TO ENSURE THAT ALL DUCTWORK AND PIPING IS ROUTED SO AS TO NOT INTERFERE WITH SKYLIGHTS IN ALL LOCATIONS.

K. DUCT RUNOUTS FROM TERMINAL BOX UNITS SHALL BE SAME DIMENSIONS AS TERMINAL BOX OUTLET.

PLAN NOTES

#	NOTE
1	STUB OEF-1 THRU ROOF. TERMINATE WITH EXPANDED METAL GRILLE. BALANCE TO 800 CFM
2	RTU-11 TEMPERATURE/HUMIDITY SENSOR SHALL HAVE LOCAL DISPLAY AND CONTROL WITH TAMPERPROOF SECURITY BOX. TOP OF SENSOR SHALL BE MOUNTED AT 48" ABOVE FINISHED FLOOR OF ELEVATED OBSESERVATION PLATFORM.
3	RTU-12 TEMPERATURE SENSOR SHALL BE SENSOR ONLY WITH NO DISPLAY/LOCAL ADJUSTMENT. MOUNT AT 10'-0" AFF.
4	RTU-13 TEMPERATURE SENSOR SHALL BE SENSOR ONLY WITH NO DISPLAY/LOCAL ADJUSTMENT. MOUNT AT 10'-0" AFF.
5	ROUTE 3/4" CONDENSATE TO NEW HUB DRAIN. REFER TO PLUMBING PLANS FOR PRECISE LOCAITON.

STUDIO VIEW ARCHITECTURE

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FIRST FLOOR MECHANICAL PLAN

M210



1 M230 ROOF MECHANICAL PLAN
3/32" = 1'-0"
0 8' 16' 24'

GENERAL NOTES:

A. COORDINATE INSTALLATION OF OUTDOOR AIR INTAKES WITH OTHER TRADES. ALL INTAKES SHALL BE A MINIMUM OF 10'-0" AWAY FROM OTHER BUILDING EXHAUST OR VENTS.

B. COORDINATE INSTALLATION OF ALL ROOF EQUIPMENT WITH ROOFING AND METAL BUILDING CONTRACTORS TO VERIFY OPENING SIZE, CURB TYPE, AND WEIGHTS.

PLAN NOTES

#	NOTE

STUDIO VIEW ARCHITECTURE

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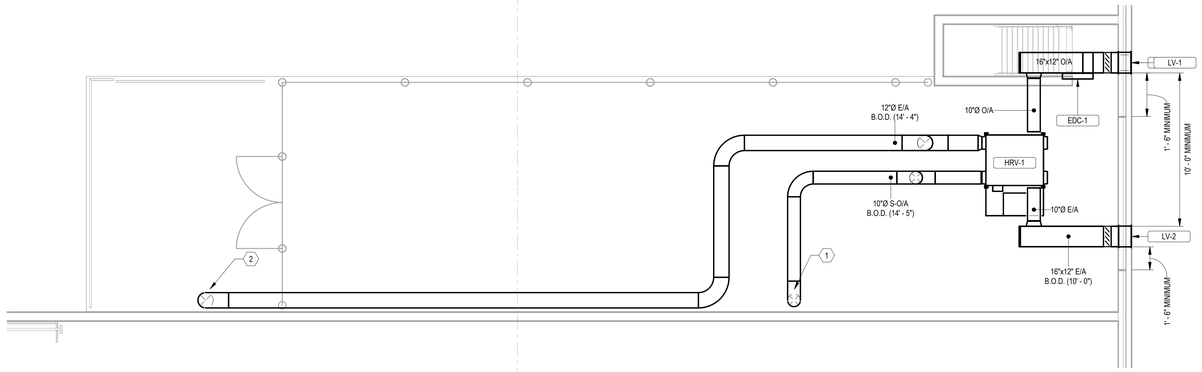
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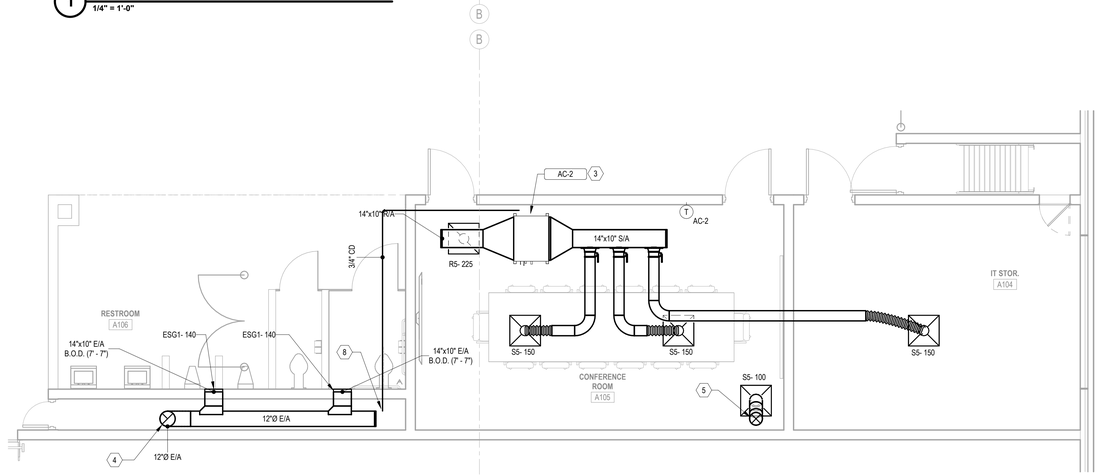
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ROOF MECHANICAL PLAN

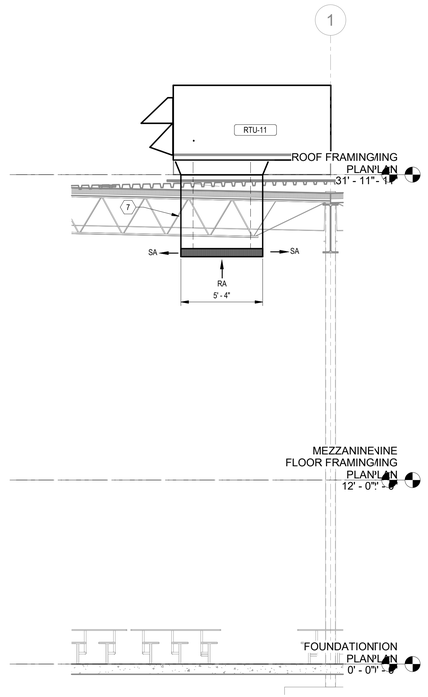
M230



1 ENLARGED MEZZANINE PLAN
1/4" = 1'-0"



5 ENLARGED CONFERENCE ROOM PLAN
1/4" = 1'-0"



6 TYPICAL RTU INLET/DISCHARGE SECTION PLAN
1/4" = 1'-0"

GENERAL NOTES:

A. ALL DUCT DIMENSIONS GIVEN ARE INSIDE DIMENSIONED, UNLESS NOTED OTHERWISE.

B. COORDINATE ALL OPENINGS IN FLOORS, ROOF AND WALLS WITH THE GENERAL AND STRUCTURAL CONTRACTORS.

C. RUN ALL DUCTS AS HIGH AS POSSIBLE WITH RETURN AND EXHAUST ABOVE SUPPLY AS OFTEN AS POSSIBLE.

D. PROVIDE HARD DUCT CONNECTIONS FOR RETURN AND EXHAUST SYSTEMS.

E. PROVIDE TURNING VANES IN ALL SQUARE THROATED ELBOWS.

F. ALL RECTANGULAR SUPPLY AIR BRANCH CONNECTIONS SHALL BE 45° TAKE-OFF FITTINGS AND ROUND SUPPLY AIR BRANCH CONNECTIONS SHALL BE BELLMOUTH FITTINGS.

G. REFER TO DIFFUSER SCHEDULE FOR DUCT RUNOUT SIZE UNLESS NOTED OTHERWISE. ALL FLEXIBLE DUCTS TO DIFFUSERS MAXIMUM LENGTH 5'-0". FLEXIBLE DUCTS ARE NOT TO BE USED AS ELBOWS.

H. ALL ABOVE FINISH FLOOR (A.F.F.) DIMENSIONS ARE TO BE MEASURED TO BOTTOM OF EQUIPMENT OR DUCTWORK UNLESS NOTED OTHERWISE.

I. PROVIDE CEILING RADIATION DAMPERS (CRD) FOR ALL DIFFUSERS/GRILLES LOCATED IN RATED CEILINGS. COORDINATE TYPE OF CRD REQUIRED WITH ARCHITECTURALL CONSTRUCTION TYPE AS SHOWN ON ARCHITECTURAL PLANS.

J. COORDINATE WITH GENERAL CONTRACTOR TO ENSURE THAT ALL DUCTWORK AND PIPING IS ROUTED SO AS TO NOT INTERFERE WITH SKYLIGHTS IN ALL LOCATIONS.

K. DUCT RUNOUTS FROM TERMINAL BOX UNITS SHALL BE SAME DIMENSIONS AS TERMINAL BOX OUTLET.

PLAN NOTES

#	NOTE
1	FROM FLOOR PENETRATION, ROUTE 8"Ø OA DUCT UP TO 10'-0" AFF.
2	ROUTE 12"Ø EA THRU FLOOR BELOW INTO PLUMBING CHASE.
3	MOUNT DUCTED SPLIT AC-2 ABOVE CEILING. ROUTE PIPING UP INTERIOR WALL TO HP-1 ON ROOF ABOVE.
4	12"Ø EA DUCT UP TO MEZZANINE ABOVE.
5	ROUTE 10" OA DUCT UP TO MEZZANINE ABOVE.
7	TYP FOR ALL RTUS. RTU MFG TO PROVIDE CONCENTRIC SUPPLY/RETURN PLENUM WITH INTEGRAL CURB ADAPTOR/TRANSITION. RETURN SHALL BE PULLED THROUGH THE MIDDLE OF THE DIFFUSER, SUPPLY SHALL DISCHARGE HORIZONTALLY AROUND THE PERIMETER.
8	ROUTE 3/4" CONDENSATE TO NEW HUB DRAIN. REFER TO PLUMBING PLANS FOR PRECISE LOCATION.

STUDIO VIEW ARCHITECTURE

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ENLARGED PLANS AND SECTION PLANS

M400

RTU SCHEDULE

MARK	LOCATION	MANUFACTURER	MODEL	SUPPLY AIRFLOW (CFM)	OA INTAKE (CFM)	SUPPLY FAN				RELIEF FAN		COOLING COIL							HEATING						FILTER			ELECTRICAL					NOTES
						TYPE	DRIVE	QTY	ESP	TYPE	QTY	TYPE	NET TOTAL (MBH)	NET SENSIBLE (MBH)	EAT DB (°F)	EAT WB (°F)	LAT DB (°F)	LAT WB (°F)	TYPE	INPUT (MBH)	OUTPUT (MBH)	TURNDOWN RATIO	EAT (°F)	LAT (°F)	TYPE	QTY	DIMENSIONS (LxWxD) (IN.)	VOLATGE	MCA	MOP	MFG PROV. DISCONNECT?	DISCONNECT TYPE	
RTU-11	LOADING DOCK ROOF	TRANE	YSK240A	8000	1600	BC PLENUM	VARIABLE DIRECT	2	1	PROPELLER	2	DX	239	177	80	67	60.1	57.6	GAS	400	324	10:01	70	107	MERV 8	8	20X24X2	480/3/60	55	70	YES	NON FUSED	1,2,3,4,5
RTU-12	STORAGE ROOF	TRANE	YSK240A	8000	1600	BC PLENUM	VARIABLE DIRECT	2	1	PROPELLER	2	DX	239	177	80	67	60.1	57.6	GAS	400	324	10:01	70	107	MERV 8	8	20X24X2	480/3/60	55	70	YES	NON FUSED	1,2,3,4,6
RTU-13	STORAGE ROOF	TRANE	YSK240A	8000	1600	BC PLENUM	VARIABLE DIRECT	2	1	PROPELLER	2	DX	239	177	80	67	60.1	57.6	GAS	400	324	10:01	70	107	MERV 8	8	20X24X2	480/3/60	55	70	YES	NON FUSED	1,2,3,4,6

NOTES:
1. MFG SHALL FURNISH POWERED 15AMP CONVENIENCE OUTLET
2. MFG SHALL FURNISH WITH HIGH VELOCITY DISCHARGE DIFFUSER SIMILAR TO MICROMETL CONCENTRIC COMPLETE HARD DUCT SYSTEM. DIFFUSER MODEL NUMBER: 1818-800A. DIFFUGER SHALL INCLUDE CURB ADAPTOR/TRANSITION
3. MFG SHALL FURNISH WITH BACNET INTERFACE. TCC TO INTEGRATE INTO EXISTING JOHNSON CONTROLS METASYS BUILDING MANAGEMENT SYSTEM.
4. MFG SHALL FURNISH 16" CURB. COORDINATE PRECISE CURB HEIGHT WITH REQUIRED SPACE FOR CONCENTRIC DIFFUSER TRANSITON OFF BOTTOM OF RTU.
5. MFG SHALL FURNISH COMBINATION TEMPERATURE AND HUMIDITY SENSOR WITH LOCAL DISPLAY/CONTROL AND TAMPERPROOF HOUSING.
6. MFG SHALL FURNISH TEMPERATURE SENSOR WITHOUT LOCAL DISPLAY/CONTROL. MOUNTED AT 10'-0" AFF, NO TAMPERPROOF HOUSING REQUIRED.

OUTDOOR HEAT PUMP SCHEDULE

MARK	ASSOCIATED INDOOR UNIT	MANUFACTURER	MODEL NUMBER	NOMINAL DATA		HEATING CAPACITY AT -4°F OAT (BTU/H)	HSPF	DESIGN CONDITIONS		ELECTRICAL DATA					NOTES
				COOLING CAPACITY (BTU/H)	HEATING CAPACITY (BTU/H)			DESIGN COOLING OA TEMP DB (°F)	DESIGN HEATING OA TEMP DB (°F)	V/P/H	MCA	MOCP	MFG PROVIDED DISCONNECT	ODU POWERS INDOOR UNIT	
HP-1	AC-1	MITSUBISHI	SUZ-AA09NL	9,000	13,000	5,200	12.9	95.0	-4.0	280/1/60	13	22	NO	YES	1
HP-2	AC-2	MITSUBISHI	SUZ-AA18NL	18,000	23,500	8,500	10.4	95.0	-4.0	280/1/60	25	42	NO	YES	1

NOTES:
1. PROVIDE UNIT WITH BACNET INTERFACE FOR INTEGRATION INTO EXISTING JOHNSON CONTROLS METASYS BUILDING MANAGEMENT SYSTEM.
2

INDOOR HEAT PUMP SCHEDULE

MARK	ASSOCIATED OUTDOOR UNT	MANUFACTURER	MODEL	TYPE	NOMINAL DATA			AIRFLOW MIN-MID-MAX (CFM)	POWER SOURCE	NOTES
					COOLING CAPACITY (BTU/H)	HEATING CAPACITY (BTU/H)	HEATING CAPACITY AT -4° OAT (BTU/H)			
AC-1	HP-1	MITSUBISHI	MSZ-EX09NLS	WALL MOUNTED NON-DUCTED	9000	13000	5200	143-228-391	OUTDOOR UNIT	1,2,3
AC-2	HP-2	MITSUBISHI	PEAD-AA18NL	HORIZONTAL DUCTED	18000	23500	8300	403-512-600	OUTDOOR UNIT	1,2,3

NOTES:
1. SEE OUTDOOR UNIT SCHEDULE FOR OUTDOOR AMBIENT CONDITIONS, CONNECTED CAPACITY, AND OTHER FACTORS ASSOCIATED WITH CORRECTED CAPACITIES
2. MFG TO PROVIDE WALL MOUNTED CONTROLLABLE THERMOSTAT TO BE LOCATED WITHIN THE SPACE.

EXHAUST FAN SCHEDULE

MARK	LOCATION	MANUFACTURER	MODEL	CONFIGURATION	MOTOR	AIRFLOW (CFM)	TSP (IN.WG)	FAN RPM	BHP	HP	ELECTRICAL					NOTES
											V/P/H	FLA (A)	MCA (A)	MOP (A)	FACTORY DISCONNECT	
GEF-1	DOCK - CHARGING STATION	GREENHECK	CUE-140-VG	UPBLAST	ECM	1000	1.06	1306	0.34	1	115/1/60	13	16.2	25	NO	1,2

NOTES:
1. UNIT SHALL BE PROVIDED WITH 16" ROOF CURB
2. UNIT SHALL BE PROVIDED WITH BACNET INTERFACE WITH EXISTING JOHNSON CONTROLS METASYS BUILDING MANAGEMENT SYSTEM.
3
4

ELECTRIC DUCT HEATER COIL

MARK	LOCATION	AIRFLOW (CFM)	FRAME	DUCT SIZE	EAT (°F)	LAT (°F)	CAPACITY (KW)	V/P/H	MCA (A)	MOP (A)	FACTORY DISCONNECT	CONTROL	NOTES
EDC-1	MEZZANINE	100	SLIP-IN	16X12	-5	20	1	120/1/60	11	15	NO	ON/OFF	1,2,3,4

NOTES:
1. HEATER SHALL MAINTAIN 20°F LAT. LAT SENSOR, AIRFLOW SWITCH, AUTO-RESET HIGH LIMIT, MANUAL-RESET HIGH LIMIT SHALL BE FACTORY INSTALLED.
2. HEATER SHALL BE INTERLOCKED WITH HRV-1 AND AIRFLOW SWITCH PROVEN.
3. HEATER DE-ENERGIZES ON LOSS OF AIRFLOW, SENSOR FAILURE, OR HIGH-LIMIT TRIP.
4. HEATER SHALL HAVE BACNET CONNECTION FOR MONITORING FROM EXISTING JOHNSON CONTROLS METASYS BUILDING MANAGEMENT SYSTEM.

ERV SCHEDULE

MARK	MANUFACTURER	MODEL NUMBER	SUPPLY FAN			EXHAUST FAN			HEAT EXCHANGER				OAT LOW LIMIT (°F)	ELECTRICAL				NOTES
			FAN TYPE	SUPPLY CFM	SUPPLY FAN ESP	FAN TYPE	EXHAUST FAN CFM	EXHAUST FAN ESP	TYPE	TEMPERATURE RECOVERY EFFECTIVNESS (%)	ENTHALPY COOLING	ENTHALPY HEATING		V/P/H	MCA	MOCP	FACTORY DISCONNECT	
HRV-1	LOSSNAY	LFG-380RVX2-E	ECM	100	0.86	ECM	340	0.86	FIXED CORE	65%	49%	61%	15	208/1/60		15	NO	1,2

NOTES:
1. HRV SHALL HAVE BACNET INTERFACE TO EXISTING JOHNSON CONTROLS METASYS BUILDING MANAGEMENT SYSTEM.
2. HRV SHALL BE INTERLOCKED WITH DUCT MOUNTED ELECTRIC PREHEAT COIL, EDC-1.

LOUVER SCHEDULE

1. FURNISH WITH ALUMINUM BIRD SCREEN.
2. FURNISH WITH KYNAR PAINT FINISH OF STANDARD COLOR SELECTION BY ARCHITECT.
3. PROVIDE MOTORIZED DAMPER.
PROVIDE BACKDRAFT DAMPER.

MARK	LOCATION		MANUFACTURER	MODEL NO.	CFM	DIMENSIONS			FREE AREA (SF)	MAX FAV	APD	BIRD SCREEN	REMARKS
	NAME	NO.				W	H	D					
LV-1			RUSKIN	ELF6375DXD	920	1' - 5 1/2"	1' - 1 1/2"	0' - 10"	34.2	0 FPM	0.00 in-wg		
LV-1			RUSKIN	ELF6375DXD	920	1' - 5 1/2"	1' - 1 1/2"	0' - 10"	34.2	0 FPM	0.00 in-wg		
LV-2			RUSKIN	ELF6375DXD	920	1' - 5 1/2"	1' - 1 1/2"	0' - 10"	34.2	0 FPM	0.00 in-wg		

DIFFUSER / GRILLE SCHEDULE

REMARKS:
1. BRANCH DUCTWORK TO THE DIFFUSER SHALL BE THE SAME SIZE AS THE NECK UNLESS OTHERWISE NOTED.
2. PROVIDE FRAME STYLE APPROPRIATE FOR CEILING TYPE (I.E. LAY IN, SURFACE MOUNT).

TAG	NECK SIZE	FACE LENGTH	FACE WIDTH	MATERIAL	FINISH	MAX NC	MAX THROW (FT)	MAX TOTAL APD (IN WG)	MANUFACTURER	MODEL	NOTES
R5	8"Ø	24"	24"	STEEL	WHITE	15	6	0.05	PRICE	SPD	
S5	8"Ø	24"	24"	STEEL	WHITE	15	6	0.05	PRICE	SPD	

STUDIO VIEW ARCHITECTURE

THOMAS M. ROEDER JR. REGISTERED NO. 11100167 STATE OF INDIANA PROFESSIONAL ENGINEER

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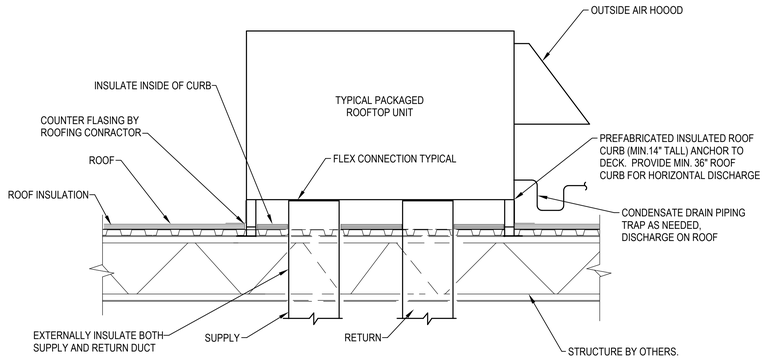
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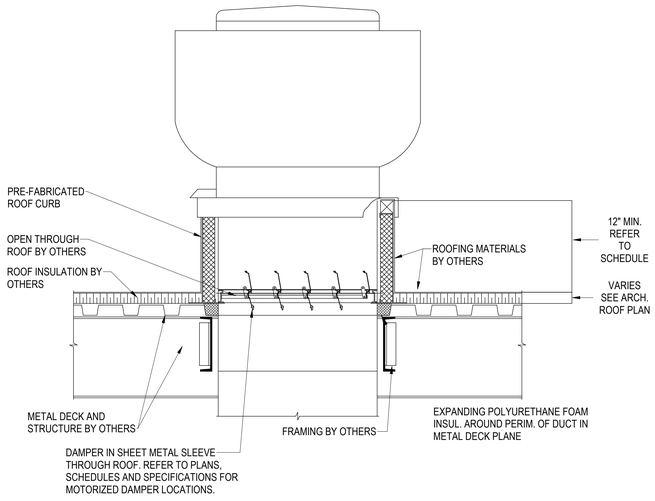
SCHEDULES - MECHANICAL

M600

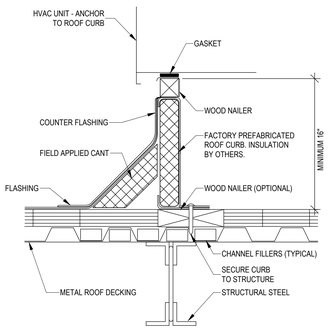


NOTE: ALL CUTTING AND PATCHING OF ROOF, SHALL BE DONE BY ROOFING CONTRACTOR.

10 ROOFTOP UNIT INSTALLATION
1/8" = 1'-0"



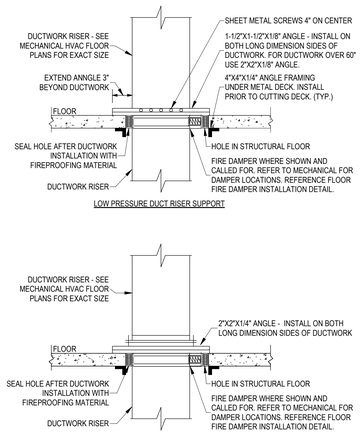
9 M - DETAIL - ROOF MOUNTED EXHAUST FAN
1/8" = 1'-0"



PLAN NOTES:

1. ROOF CURBS SHALL BE FACTORY PREFABRICATED.
2. ROOF CURBS SHALL BE PROVIDED WITH PROPERLY DESIGNED FABRICATED LEVELING DEVICES, SO THE HVAC EQUIPMENT IS LEVEL AND THE ROOF CURB INSTALLATION MATCHES THE ROOF SLOPE.
3. PROVIDE PERIMETER ANGLE SUPPORT AT ALL SIDES BETWEEN STRUCTURAL STEEL. SIZE OF ANGLE SHALL BE BASED ON LOAD. MINIMUM SIZE SHALL BE 4"X4"X1/4".
4. ROOF CURBS SHALL NOT REST ON ROOF INSULATION.
5. RESLOPE ROOFING TO PROVIDE ADEQUATE DRAINAGE.
6. COORDINATE LOCATION OF ROOF CURB WITH STRUCTURAL STEEL MEMBERS WHERE POSSIBLE.
7. ROOFING INSULATION SHALL BE CONTINUOUS UNDER HVAC EQUIPMENT (AHUS, ETC.).

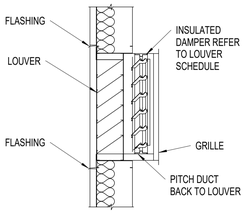
3 M - DETAIL - ROOF CURB
1/8" = 1'-0"



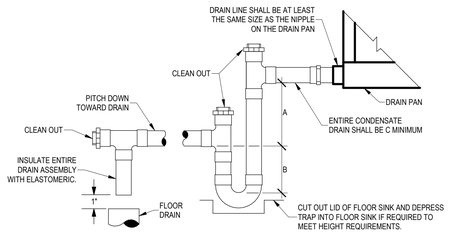
LOW PRESSURE DUCT RISER SUPPORT

MEDIUM AND HIGH PRESSURE DUCT RISER SUPPORT

8 M - DETAIL - DUCTWORK RISER SUPPORT
1/8" = 1'-0"



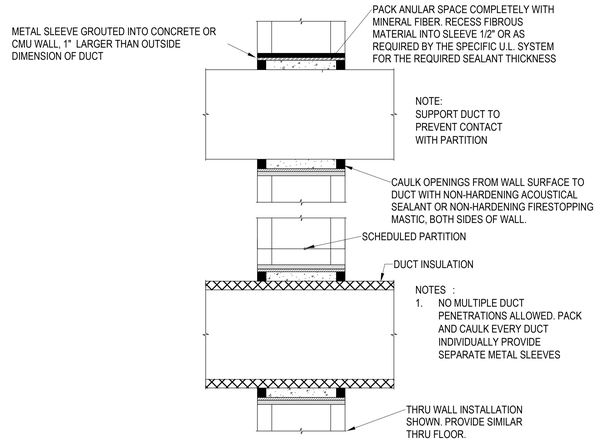
2 M - DETAIL - LOUVER INSTALLATION
1/8" = 1'-0"



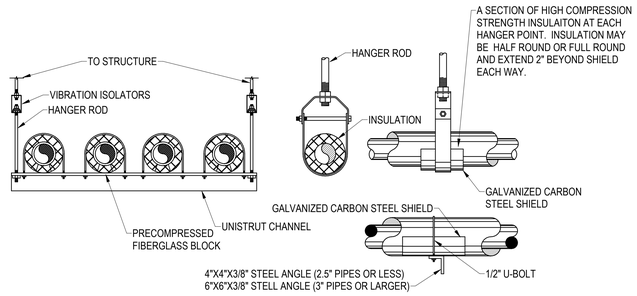
UNIT TYPE	A	B
DRAW THROUGH	P + 1	P/2 + 1
BLOW THROUGH	2" MIN.	2P

P = STATIC PRESSURE AT DRAIN PAN

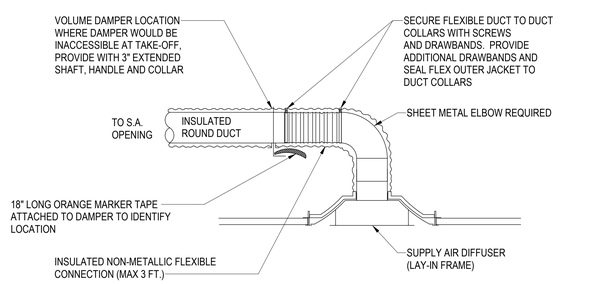
1 M - DETAIL - CONDENSATE DRAIN TRAP
1/8" = 1'-0"



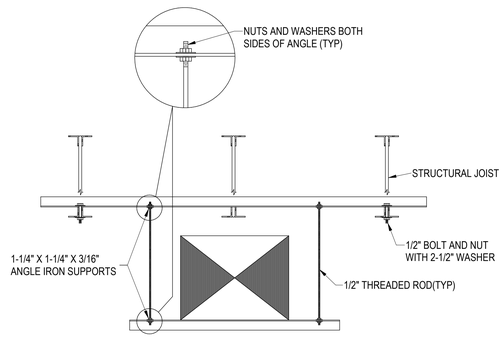
6 M - DETAIL - DUCT PENETRATIONS
1/8" = 1'-0"



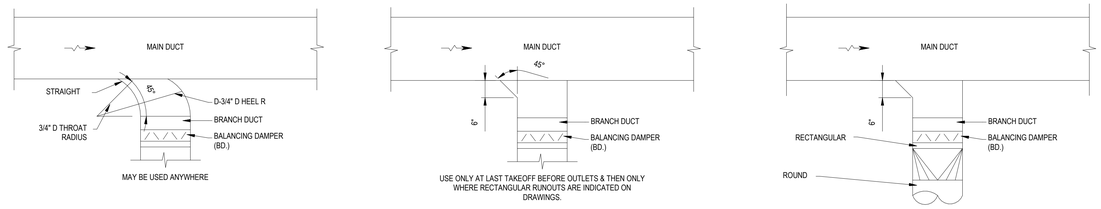
19 M - DETAIL - TYPICAL HANGER
1/8" = 1'-0"



4 M - DETAIL - DIFFUSER MOUNTING
1/8" = 1'-0"



7 M - DETAIL - DUCT SUPPORT
1/8" = 1'-0"



NOTE:
THIS CONNECTION SHALL BE USED AT ALL BRANCHES FROM MAINS AND SUB-MAINS. BALANCING DAMPERS SHALL BE PROVIDED AS SHOWN IN ADDITION TO THOSE INDICATED ON THE PLANS.

5 M - DETAIL - DUCT BRANCH CONNECTION
12" = 1'-0"

STUDIO VIEW ARCHITECTURE

THOMAS M. ROEDER JR. REGISTERED NO. 11100167 STATE OF INDIANA PROFESSIONAL ENGINEER

Design Partners:

MATTINGLY CONSULTING
MEP DESIGN SERVICES
BIM COORDINATION
OWNERS REPRESENTATIVE

100% CONSTRUCTION DOCUMENTS
DEPARTMENT OF CORRECTIONS - PLAINFIELD
ICI WAREHOUSE EXPANSION
727 MOON RD. PLAINFIELD, IN 46168

#	Revision	Date

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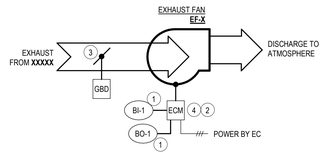
Project Number:
32011091-2026-003
Designed By: A.M.
Drawn By: A.M.
Checked By: T.R.
DATE: 4/10/2026 1:18:16 PM

DETAILS - MECHANICAL

M800

GENERAL NOTE - CONTROLS:

1. THESE SEQUENCES DEFINE THE MANNER AND METHOD BY WHICH CONTROLS FUNCTION. REQUIREMENTS FOR EACH TYPE OF CONTROL SYSTEM OPERATION ARE SPECIFIED. EQUIPMENT, DEVICES, AND SYSTEM COMPONENTS REQUIRED FOR CONTROL SYSTEMS ARE IN SPECIFICATION SECTIONS. FURNINISH ALL CONTROL DEVICES AND COMPONENTS, WHETHER SPECIFIED OR NOT, TO ACCOMPLISH THE DESCRIBED SEQUENCES.
2. ALL CONTROL VALVES WILL BE ELECTRONIC/ELECTRIC ACTUATED.
3. THIS DDC CONTROL SYSTEM WILL BE DESIGNED SO THAT THE OWNER WILL BE ABLE TO ACCESS AND CONTROL THIS SYSTEM FROM ANYWHERE ON THE WAN USING A STANDARD INTERNET BROWSER.
4. ALL THERMOSTATS WILL BE REMOTE/READABLE. ADJUSTABLE FOR NIGHT SETBACK CAPABILITIES. THERMOSTATS SHALL HAVE DIGITAL DISPLAY AND SETPOINT ADJUSTMENT.
5. LISTED CONTROL POINTS ARE MINIMUM REQUIREMENTS. T.C.C. SHAL PROVIDE ADDITIONAL POINTS IF REQUIRED FOR SPECIFIED SEQUENCE OF OPERATION.
6. TEMPERATURE CONTROL CONTRACTOR SHALL NOTIFY AND COORDINATE MECHANICAL CONTRACTOR OF ALL WELLS NEEDED IN PIPING.
7. CONTROL CONTRACTOR SHALL LOCATE ALL CONTROLLERS, RELAYS, ETC. AT AN EASILY ACCESSIBLE LOCATION IF NOT INSTALLED WITHIN EQUIPMENT CABINET.
8. ALL RELIEF DAMPERS AND EXHAUST FAN ISOLATION DAMPERS SHALL BE INSULTED, TIGHT-CLOSING TEMPERATURE CONTROL DAMPERS.
9. ALL OUTSIDE AIR, RETURN AIR AND RELIEF DAMPERS TO READ BACK ACTUAL ORIENTATION OF DAMPERS USING END SWITCHES.



SCHEDULE OF DDC POINTS				
ID	DESCRIPTION	TREND	ALARM	GRAPHIC
BI-1	FAN STATUS	X	X	X
BO-1	FAN START-STOP	X		X

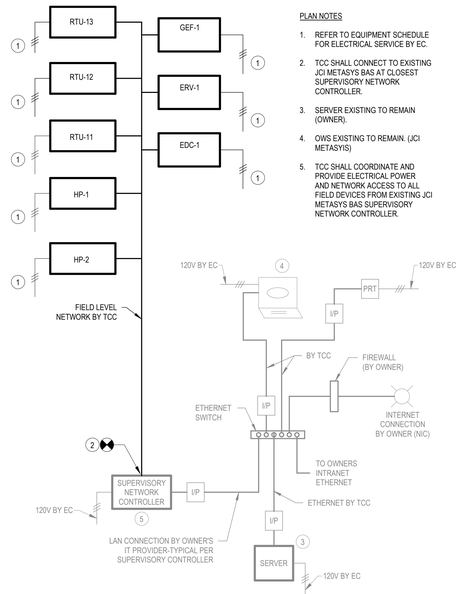
SCHEMATIC NOTES:

1. WIRE BAS FAN STATUS AND FAN ENABLE/DISABLE TO THE NEAREST DDC SYSTEM PANEL.
2. TCC TO PROVIDE CURRENT SENSOR AND CONTROL LOGIC FOR FAN FAULT DETERMINATION.
3. GRAVITY BACKDRAFT DAMPER.
4. ELECTRO-COMMUTATED MOTOR WITH INTEGRAL SPEED CONTROLLER FURNISHED BY THE FAN MANUFACTURER. FAN SPEED IS MANUALLY SET BY TAB ADJUSTMENT OF THE ECM CONTROLLER.

SEQUENCE OF OPERATION:

1. NORMAL OPERATION:
   a. ALL SETPOINTS TO BE ADJUSTABLE. SETPOINTS ARE TO BE EXPOSED ON THE GRAPHIC DISPLAY OR HIDDEN BASED ON OWNER REQUEST.
   b. ENABLE: EXHAUST FAN IS STARTED FROM COMMAND OF FACILITY MANAGEMENT SYSTEM.
   c. EXHAUST FAN HAS AN INTEGRAL SPEED CONTROLLER WHICH IS MANUALLY SET DURING TAB. ENABLING THE FAN TO RUN OPENS THE ISOLATION DAMPER. DISABLING THE FAN CLOSES THE ISOLATION DAMPER.

3 M900 **GENERAL EXHAUST FAN CONTROL SCHEMATIC**
NO SCALE 0 4' 8' 16'



PLAN NOTES

1. REFER TO EQUIPMENT SCHEDULE FOR ELECTRICAL SERVICE BY EC.
2. TCC SHALL CONNECT TO EXISTING JCI METASYS BAS AT CLOSEST SUPERVISORY NETWORK CONTROLLER.
3. SERVER EXISTING TO REMAIN (OWNER).
4. OWS EXISTING TO REMAIN. (JCI METASYS)
5. TCC SHALL COORDINATE AND PROVIDE ELECTRICAL POWER AND NETWORK ACCESS TO ALL FIELD DEVICES FROM EXISTING JCI METASYS BAS SUPERVISORY NETWORK CONTROLLER.

6 M900 **BAS SYSTEM ARCHITECTURE**
NO SCALE 0 4' 8' 16'

STUDIO VIEW ARCHITECTURE

THOMAS M. ROEDER JR REGISTERED NO. 11100167 STATE OF INDIANA PROFESSIONAL ENGINEER

Design Partners:

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Checked By: T.R.
DATE: 4/10/2026 1:18:17 PM

HVAC CONTROLS

M900

MECHANICAL AND PLUMBING ABBREVIATIONS

ABBREV.	DESCRIPTION
A/E	ARCHITECT AND ENGINEER
AC OR ACU	AIR CONDITIONING UNIT OR AIR COMPRESSOR
ACCU	AIR COOLED CONDENSING UNIT
ACD	AIR CONDITIONING CONDENSATE DRAIN
AD	ACCESS DOOR
ADJ	ADJUSTABLE OR ADJACENT
AFCV	AIRFLOW CONTROL VALVE
AFF	ABOVE FINISHED FLOOR
AFMS	AIR FLOW MEASURING STATION
AHU	AIR HANDLING UNIT
APD	AIR PRESSURE DROP
APPROX	APPROXIMATE
AR	AIR RECEIVER
ARCH	ARCHITECT
AS	AIR SEPARATOR
ATM	ATMOSPHERE
AV	ACID VENT
AVMS	AIR VOLUME MEASURING STATION
AW	ACID WASTE
B	BOILER
BCU	BLOWER COIL UNIT
BDD	BACKDRAFT DAMPER
BHP	BRAKE HORSEPOWER
BI	BACKWARD INCLINED
BLDG	BUILDING
BOT	BOTTOM
BP	BRINE PUMP
BST	BULK SALT STORAGE
BTU	BRITISH THERMAL UNIT
BTUH	BTU PER HOUR
CA	COMPRESSED AIR
CAP	CAPACITY
CAV	CONSTANT AIR VOLUME
CC	COOLING COIL
CCP	COOLING COIL PUMP
CDS	CONDENSATE PUMP DISCHARGE
CENTRIF	CENTRIFUGAL
CFM	CUBIC FEET PER MINUTE
CFOI	CONTRACTOR FURNISHED/OWNER INSTALLED
CH	CHILLER
CI	CAST IRON
CO	CLEAN OUT
CO2	CARBON DIOXIDE
COL	COLUMN
COM	CARBON DIOXIDE MANIFOLD
COMP	COMPRESSOR
CONC	CONCRETE
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUOUS
CP	CONDENSATE PUMP
CPD	CONDENSATE PUMP DISCHARGE
CUH	CABINET UNIT HEATER
CV	CENTRAL VACUUM
CW	COLD WATER
CWM	COLD WATER MAKE-UP
CWP	CHILLED WATER PUMP
CWR	CHILLED WATER RETURN
CWS	CHILLED WATER SUPPLY
D	DIFFUSER OR DAMPER
DB	DECIBELS OR DRY BULB
DC	DUCT COIL
DCV	DOUBLE CHECK VALVE
DCWBP	DOMESTIC COLD WATER BOOSTER PUMP
DD	DUAL DUCT
DDC	DIRECT DIGITAL CONTROL
DE	DEAERATOR
DEFL	DEFLECTION
DEG	DEGREE
DEPT	DEPARTMENT
DHWBP	DOMESTIC HOT WATER BOOSTER PUMP
DI	DEIONIZED WATER
DIA	DIAMETER
DISC	DISCONNECT
DISCH	DISCHARGE
DS	DOWNSPOUT
DSWBP	DOMESTIC SOFT WATER BOOSTER PUMP
DUC	DOOR UNDER CUT
DWG	DRAWING
DW	DISTILLED WATER
DWBP	DOMESTIC WATER BOOSTER PUMP
DWH	DOMESTIC WATER HEATER
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EBH	ELECTRIC BASEBOARD HEATER
EC	ELECTRICAL CONTRACTOR
ECC	ENVIRONMENTAL CONTROL CONTRACTOR
EGG	EGG CRATE GRILLE
ED	EXHAUST DIFFUSER
EDC	ELECTRIC DUCT COIL
EER	ENERGY EFFICIENCY RATIO
EF	EXHAUST AIR FAN
EFT	ENTERING FLUID TEMPERATURE
EG	EXHAUST GRILLE OR ETHYLENE GLYCOL
ELEC	ELECTRIC
ELEV	ELEVATION
EMER	EMERGENCY
EMG	EXTRUDED METAL GRILLE
ENCL	ENCLOSURE
ENTR	ENTERING
EOM	END OF MAIN DRIP
EQA	EQUIPMENT AIR
EQAC	EQUIPMENT AIR COMPRESSOR
EQAI	EQUIPMENT AIR INTAKE
EQUIP	EQUIPMENT
EQV	EQUIPMENT VACUUM
EQVP	EQUIPMENT VACUUM PUMP
EQV V	EQUIPMENT VACUUM VENT
ERP	ELECTRIC RADIANT PANEL
ES	EMERGENCY SHOWER
ESP	EXTERNAL STATIC PRESSURE OR ELEVATOR SUMP PUMP
ET	EXPANSION TANK
EUH	ELECTRIC UNIT HEATER
EW	EMERGENCY EYEWASH
EWC	ELECTRIC WATER COOLER
EWT	ENTERING WATER TEMPERATURE
EXH	EXHAUST
EXIST	EXISTING
EXT	EXTERIOR
F	DEGREES FAHRENHEIT
F&B	FACE & BYPASS
F&T	FLOAT AND THERMOSTATIC TRAP
F/A	FIRE ALARM
F/SD	FIRE AND SMOKE DAMPER
FCO	FLOOR CLEAN OUT
FC	FLEXIBLE CONNECTION
FCU	FAN COIL UNIT
FD	FLOOR DRAIN OR FIRE DAMPER

ABBREV.	DESCRIPTION
FH	FIRE HOSE OR FUME HOOD
FHC	FIRE HOSE CABINET
FIN	FINISH
FLA	FULL LOAD AMPS
FLR	FLOOR
FODT	FUEL OIL DAY TANK
FOP	FUEL OIL PUMP
FOR	FUEL OIL RETURN
FOS	FUEL OIL SUPPLY
FOST	FUEL OIL STORAGE TANK
FOV	FUEL OIL VENT
FP	FIRE PROTECTION
FPB	FAN POWERED BOX
FPC	FIRE PROTECTION CONTRACTOR
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FPST	FIRE PROTECTION STORAGE TANK
FS	FLOW SWITCH
FT	FEET OR FLASH TANK
FTG	FOOTING OR FITTING
FTR	FIN TUBE RADIATION
G	GAS, NATURAL
GA	GAUGE
GAL	GALLON
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GCO	GROUND CLEAN OUT
GH	GRAVITY HOOD
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GV	GAS NATURAL VENT
H	HUMIDIFIER, HUMIDITY OR HEIGHT
HC	HEATING COIL
HCP	HEATING COIL PUMP (HOT WATER)
HD	HEAD
HE	HEAT EXCHANGER
HGT	HEIGHT
HO	HUB OUTLET
HOA	HAND-OFF-AUTOMATIC
HORZ	HORIZONTAL
HOSP	HOSPITAL
HP	HORSEPOWER OR HEATPUMP
HPR	HIGH PRESSURE CONDENSATE RETURN
HPS	HIGH PRESSURE STEAM
HR	HOUR
HRC	HEAT RECOVERY COIL
HTR	HEATER
HVAC	HEATING, VENTILATION AND AIR CONDITIONING
HW	DOMESTIC HOT WATER
HWC	DOMESTIC HOT WATER RECIRC
HWCP	HOT WATER CIRCULATING PUMP
HWP	HEATING HOT WATER PUMP
HWR	HEATING HOT WATER RETURN
HWS	HEATING HOT WATER SUPPLY
HX	HEAT EXCHANGER
HZ	HERTZ
IA	INSTRUMENT AIR
IAC	INSTRUMENT AIR COMPRESSOR
IAD	INSTRUMENT AIR DRYER, EQAD
ID	INSIDE DIAMETER OR DIMENSION
IFB	INTEGRAL FACE AND BYPASS
IHOM	IN-HOUSE OXYGEN MANIFOLD
IN	INCHES
INCL	INCLUDE
INSUL	INSULATED
INT	INTERIOR
INV	INVERT
I.P.S.	INTERNATIONAL PIPE SIZING
ISOL	ISOLATION
JT	JOINT
KAIC	SHORT CIRCUIT RATING
KEC	KITCHEN EQUIPMENT CONTRACTOR
KW	KILOWATTS
L	LENGTH
LAC	LAB AIR COMPRESSOR
LAD	LAB AIR DRYER
LAN	LOCAL AREA NETWORK
LAT	LEAVING AIR TEMPERATURE
LAV	LAVATORY
LBD	LINEAR BAR DIFFUSER
LBS	POUNDS
LD	LINEAR DIFFUSER
LF	LINEAR FOOT
LFD	LAMINAR FLOW DIFFUSER
LFT	LEAVING FLUID TEMPERATURE
LOC	LOCATION
LPR	LOW PRESSURE CONDENSATE RETURN
LPS	LOW PRESSURE STEAM
LVG	LEAVING
LVP	LAB VACUUM PUMP
LWT	LEAVING WATER TEMPERATURE
MA	MEDICAL AIR
MAC	MEDICAL AIR COMPRESSOR
MAD	MEDICAL AIR DRYER
MAI	MEDICAL AIR INTAKE
MAT	MIXED AIR TEMPERATURE
MAX	MAXIMUM
MB	MOP BASIN
MBH	BTU/HR X 1000
MC	MECHANICAL CONTRACTOR
MCA	MINIMUM CIRCUIT AMPACITY
MCC	MOTOR CONTROL CENTER
MD	MOTORIZED DAMPER
MECH	MECHANICAL
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MOCP	MAXIMUM OVERCURRENT PROTECTION
MPSR	MEDIUM PRESSURE CONDENSATE RETURN
MPS	MEDIUM PRESSURE STEAM
MTD	MOUNTED
MV	MEDICAL VACUUM
MVP	MEDICAL VACUUM PUMP
N	NORTH OR NITROGEN
NA	NOT APPLICABLE
NC	NORMALLY CLOSED OR NOISE CRITERIA
NIC	NOT IN CONTRACT
NM	NITROGEN MANIFOLD
NO	NORMALLY OPEN, NITROUS OXIDE, OR NUMBER
NOM	NOMINAL OR NITROUS OXIDE MANIFOLD
NTS	NOT TO SCALE
O	OXYGEN
OA	OUTSIDE AIR

ABBREV.	DESCRIPTION
OAT	OUTSIDE AIR TEMPERATURE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFCI	OWNER FURNISHED/CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED/OWNER INSTALLED
OM	OXYGEN MANIFOLD
OPER	OPERATOR
OPNG	OPENING
OSD	OPEN SITE DRAIN
P	PUMP, PNEUMATIC OR PRESSURE
PC	PLUMBING CONTRACTOR
PD	PRESSURE DROP OR PERFORATED DIFFUSER
PE	PNEUMATIC ELECTRIC
PF	PREFILTERS
PG	PROPYLENE GLYCOL
PHC	PREHEAT COIL
PIV	POST INDICATOR VALVE
PLT	PLASTER TRAP
POC	POINT OF CONNECTION
PPH	POUNDS PER HOUR
PPM	PARTS PER MILLION
PRD	PRESSURE RELIEF DOOR
PREFAB	PREFABRICATED
PRES	PRESSURE
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH GAUGE
PVC	POLYVINYL CHLORIDE
RA	RETURN AIR OR RELIEF AIR
RAD	RADIATED
RAT	RETURN AIR TEMPERATURE
RH	REHEAT
RD	ROOF DRAIN
REC	RECEIVER
RECIR	RECIRCULATING
REF	REFRIGERATOR
RF	RETURN AIR FAN
RG	RETURN GRILLE
RH	RELIEF HOOD OR RELATIVE HUMIDITY
RHC	REHEAT COIL
RLA	RUNNING LOAD AMPS
RM	ROOM
ROM	REVERSE OSMOSIS VENT
ROP	REVERSE OSMOSIS PUMP
ROST	REVERSE OSMOSIS STORAGE TANK
RP	RADIANT PANELS
RPG	RETURN PERFORATED GRILLE
RPM	REVOLUTIONS PER MINUTE
RPZ	REDUCED PRESSURE BACKFLOW
REQD	REQUIRED
RV	ROOF VENTILATOR
S	SANITARY OR SEWER
SA	SUPPLY AIR OR SOUND ATTENUATOR
SB	STEAM BOILER
SC	STEAM COIL
SCC	STEAM CONDENSATE COOLER
SCCH	SUBCOOLED CHILLER
SCFM	STANDARD CUBIC FEET PER MINUTE
SCH	SCHEDULE
SCW	SOFT COLD WATER (DOMESTIC)
SD	SUPPLY DIFFUSER OR SMOKE DAMPER
SEC	SECTION
SENS	SENSIBLE
SEP	SEWAGE EJECTOR PUMP
SF	SUPPLY AIR FAN
SG	SUPPLY GRILLE
SHT	SHEET
SHW	SOFT HOT WATER
SK	SINK
SMBH	SENSIBLE MBH
SMC	SHEET METAL CONTRACTOR
SP	STATIC PRESSURE OR STORM PUMP
SPEC	SPECIFICATIONS
SQ	SQUARE
SQFT	SQUARE FEET
SRV	SAFETY RELIEF VALVE
ST	STEAM TRAP
STD	STANDARD
STM	STORM
STR	STARTER
STRUCT	STRUCTURAL
SV	STEAM VENT
SW	SWITCH
SYS	SYSTEM
SZ	SPRINKLER ZONE
T	THERMOSTAT
TB	TERMINAL BOX
TCC	TEMPERATURE CONTROL CONTRACTOR
TDH	TOTAL DISCHARGE HEAD
TDV	TRIPLE DUTY VALVE
TEMP	TEMPERATURE
THW	TEMPERED HOT WATER
TLL	TEMPERATURE LOW LIMIT
TMV	THERMOSTAT MIXING VALVE
TMBH	TOTAL MBH
TSP	TOTAL STATIC PRESSURE
TW	TEMPERED WATER
TYP	TYPICAL
UH	UNIT HEATER
UNO	UNLESS NOTED OTHERWISE
UR	URINAL
UVL	ULTRA VIOLET LIGHT
V	VENT
VAC	VACUUM
VAV	VARIABLE AIR VOLUME
VB	VACUUM BREAKER
VD	VOLUME DAMPER (MANUAL)
VEL	VELOCITY
VSC	VARIABLE SPEED CONTROLLER
VTR	VENT THROUGH ROOF
V V	VACUUM VENT
W	WASTE, WATTS OR WIDTH
WAGD	WASTE ANESTHESIA GAS DISPOSAL PUMP
WB	WET BULB
W/	WITH
W/O	WITHOUT
WC	WATER CLOSET OR WATER COLUMN
WCO	WALL CLEAN OUT
WFMD	WATER FLOW MEASURING DEVICE
WG	WATER GAUGE
WGT	WEIGHT
WH	WALL HYDRANT
WM	WATER METER
WP	WEATHERPROOF
WPD	WATER PRESSURE DROP
WS	WATER SOFTENER

VALVE AND FITTING SYMBOLS

PLAN VIEWS	DETAIL VIEW	
		CALIBRATED BALANCE VALVE
		PIPING FLEXIBLE CONNECTION
		PIPE TURNED UP (UNLESS NOTED OTHERWISE)
		PIPE TURNED DOWN
		PIPE OUT TOP
		PIPE OUT BOTTOM
		THREADED NIPPLE W/CAP
		PIPE WITH BLIND FLANGE
		CONCENTRIC REDUCER
		CHECK VALVE
		UNION
		GATE VALVE
		BALL VALVE
		GLOBE VALVE
		BUTTERFLY VALVE
		SAFETY RELIEF VALVE
		STRAINER
		FLOW METER
		FLOOR DRAIN
		ZONE CONTROL VALVE (OS&Y)
		AUTOMATIC FLOW CONTROL VALVE
		FLOW MEASURING DEVICE
		MANUAL AIR RELIEF VENT
		AUTOMATIC AIR RELIEF VENT
		ANGLE VALVE
		GAS PRESSURE RELIEF VALVE
		SOLENOID VALVE
		WATER PRESSURE REDUCING/REGULATING VALVE
		COMBINATION WATER PRESSURE RELIEF AND REDUCING VALVE
		DIELECTRIC UNION
		STRAINER (STEAM)
		PRESSURE AND TEMPERATURE PLUG
		THERMOMETER
		(P=PRESS V=VAC T=TEMP) GAUGE
		FLOW SWITCH
		CLEAN OUT
		WATER HAMMER ARRESTOR OR ALARM PRESSURE/VACUUM SWITCH
		ANCHOR
		PIPE SLEEVE
		REDUCED PRESSURE BACKFLOW PREVENTER
	A	ATMOSPHERIC VACUUM BREAKER
	P	PRESSURE VACUUM BREAKER
		DOMESTIC WATER TEMPERATURE REGULATING VALVE
		EXPANSION JOINT

PIPE INSULATION SCHEDULE

PIPING SYSTEM	THICKNESS, TYPE	NOTES
MOISTURE CONDENSATE DRAINS - ABOVE GRADE	3/4" PRE-FORMED FIBERGLASS OR ELASTOMERIC	1,3
INTERIOR HORIZONTAL WASTE LINES FROM AIR CONDITIONING EQUIPMENT	3/4" PRE-FORMED FIBERGLASS OR ELASTOMERIC	1,3
DOMESTIC HOT WATER LINE 1-1/4" AND LESS	1" PRE-FORMED FIBERGLASS OR ELASTOMERIC	1,2,3
DOMESTIC HOT WATER LINES 1-1/2" AND LARGER	1-1/2" PRE-FORMED FIBERGLASS OR ELASTOMERIC	1,3
DOMESTIC COLD WATER LINES 1" AND LESS	3/4" PRE-FORMED FIBERGLASS OR ELASTOMERIC	1,2,3
DOMESTIC COLD WATER LINES 1-1/4" TO 8"	3/4" PRE-FORMED FIBERGLASS OR ELASTOMERIC	1,2,3
BURIED PIPING	1" ELASTOMERIC	1
STORM WATER DRAINS ABOVE GRADE, HORIZONTAL	3/4" PRE-FORMED FIBERGLASS OR ELASTOMERIC	1,2,3
NOTES:		
1. MINIMUM 1" WITH CONDUCTIVITY LESS THAN 0.28 BTU * INCH / (HR * FT * F)		
2. FIELD APPLIED JACKET: FOIL AND PAPER-APPLY WITH 2" OVERLAP		
3. ALL INSULATION WITHIN A RETURN AIR PLENUM SHALL BE 25/50 RATED		

FLOOR PLAN SYMBOLS

1 / A101 TYP	SECTION WITH TOP NUMBER INDICATING SECTION DESIGNATION AND BOTTOM NUMBER INDICATING DRAWING THAT SECTION IS CUT ON OR DRAWING THAT SECTION IS DRAWN ON	1 / A101 TYP	DETAIL WITH TOP LETTER INDICATING DETAIL DESIGNATION AND BOTTOM NUMBER INDICATING DRAWING THAT DETAIL IS REFERENCED ON OR DRAWING THAT DETAIL IS DRAWN ON
(1)	PLAN NOTE	A.	GENERAL NOTE
1	MEDICAL GAS NOTE - REFER TO SCHEDULE	1.	PLAN NOTE LIST
	CONNECTION OF NEW WORK TO EXISTING		

PLUMBING PIPING SYMBOLS

6"DCW	DOMESTIC COLD WATER
6"DHW	DOMESTIC HOT WATER
6"DHWR	DOMESTIC HOT WATER RETURN
6"SCW	SOFT COLD WATER
6"ST	STORM
6"S	SANITARY
6"V	VENT
6"FP	FIRE PROTECTION
6"NG	NATURAL GAS

ALL SYMBOLS AND ABBREVIATIONS MAY NOT BE USED ON THIS PROJECT

STUDIO VIEW ARCHITECTURE

WILLIAM A. MYERS REGISTERED PE10708732 STATE OF INDIANA PROFESSIONAL ENGINEER

Design Partners:

MATTINGLY CONSULTING

MEP DESIGN SERVICES
BIM COORDINATION
OWNERS REPRESENTATIVE

100% CONSTRUCTION DOCUMENTS

DEPARTMENT OF CORRECTIONS - PLAINFIELD

ICI WAREHOUSE EXPANSION

727 MOON RD. PLAINFIELD, IN 46168

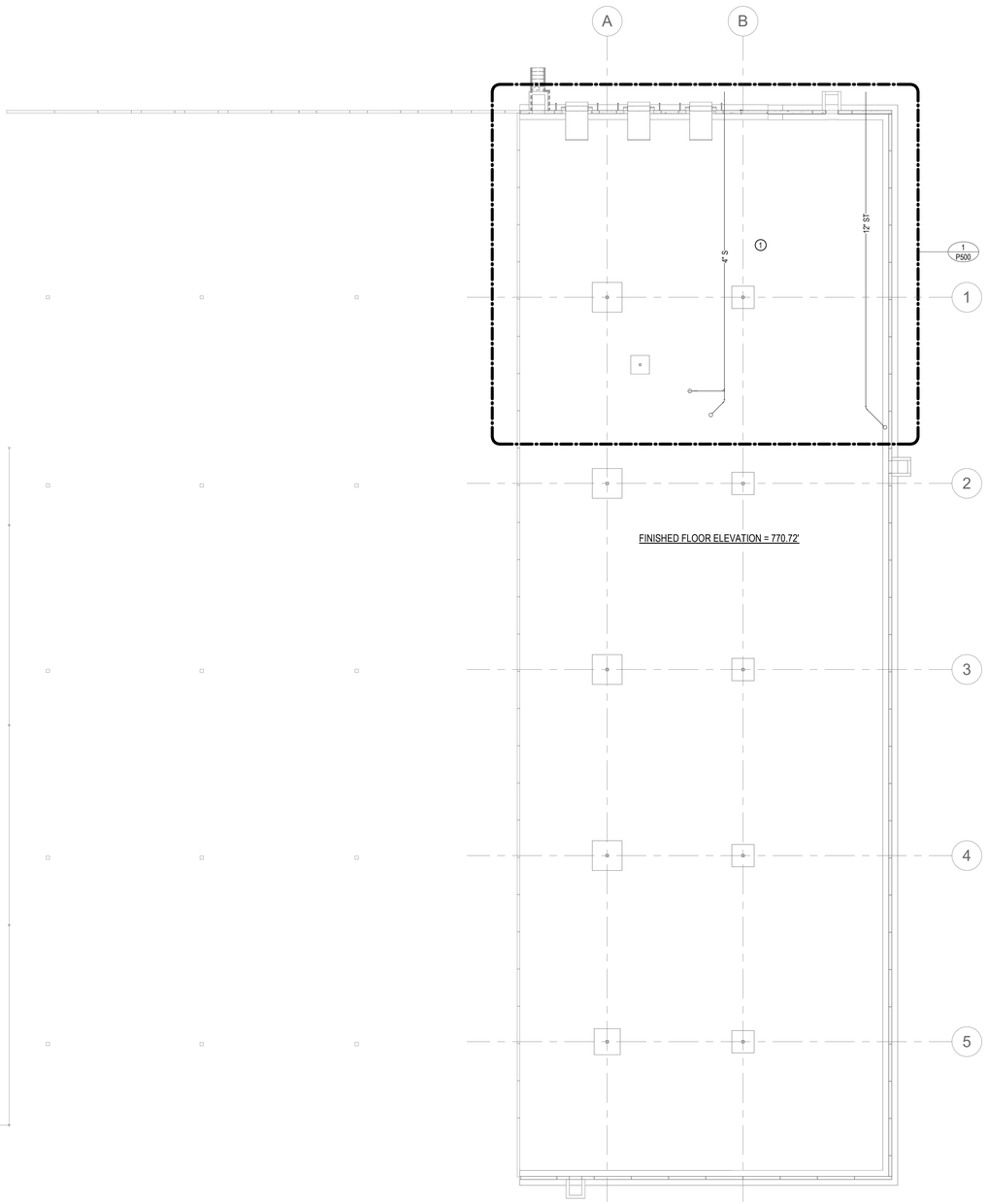
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PLUMBING SYMBOLS AND ABBREVIATIONS

P001



1 OVERALL FOUNDATION PLUMBING PLAN
1/16" = 1'-0"

GENERAL NOTES
(REQUIRED TO COMPLETE THE SCOPE OF WORK)

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D. THE CONTRACTOR SHALL INCLUDE ALL ITEMS THAT ARE REQUIRED TO ENSURE THAT THE ENTIRE SYSTEM IS FUNCTIONING IN COMPLIANCE WITH THE APPLICABLE CODES, AND MANUFACTURES INSTALLATION RECOMMENDATIONS AND OR REQUIREMENTS.
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F. STRUCTURAL COMPONENTS SHALL NOT BE CUT, DRILLED OR MODIFIED IN ANY WAY WITHOUT THE STRUCTURAL ENGINEERS REVIEW AND PRIOR WRITTEN APPROVAL.
G. PROVIDE FIRE STOPPING WHERE PIPES PENETRATE FIRE RATED FLOORS AND WALLS. FIRE STOPPING MATERIALS AND METHODS SHALL BE PER LOCAL AND STATE CODES AND REQUIREMENTS.
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I. ALL PLUMBING EQUIPMENT, PIPING, FIXTURES, AND PIPE ACCESSORIES SHALL BE NSF 61, ANNEX G COMPLIANT.
J. ALL PIPING LOCATED WITHIN A RETURN AIR PLENUM SHALL COMPLY WITH A 25/50 FLAME SMOKE RATING. ANY EXISTING PIPING DISCOVERED WITHIN A RETURN AIR PLENUM THAT DOES NOT COMPLY WITH THIS REQUIREMENT SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR FURTHER CLARIFICATION.
K. ALL EXTERIOR WALL PENETRATIONS SHALL BE SEALED WATER AND WEATHER TIGHT BY THE APPROPRIATE TRADE COMPETENT IN COMPLETING THIS WORK. THE COST OF THIS WORK SHALL BE INCLUDED IN THE SCOPE OF THIS PROJECT.
L. ALL VENT THROUGH ROOF (VTR) LOCATIONS SHALL BE FIELD VERIFIED IN REGARDS TO ANY OUTDOOR INTAKE LOCATION OF VTR SHALL BE NO LESS THAN AS REQUIRED BY THE LOCAL OR STATE CODES.
M. DO NOT ATTACH ANY CONSTRUCTION TO THE ROOF DECK JOIST BRIDGING, JOIST CROSS BRACING, PIPING, CONDUIT, DUCTWORK OR ANY OTHER NON-STRUCTURAL ITEM.
N. DO NOT WELD OR DRILL INTO STRUCTURAL STEEL OR JOIST; INSTEAD USE CLAMPS, TIE WIRE, THRU-BOLTS WITH WASHERS.
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P. DO NOT PENETRATE BUILDING WALLS FOR ANY DUCTING OR VENTING; ROUTE THROUGH ROOF USING GENERAL CONTRACTOR'S ROOFING CONTRACTOR.
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W. ALL BRANCH PIPES FROM DOMESTIC WATER MAINS SHALL BE PROVIDED QUARTER TURN FULL PORT BALL VALVES ON THE BRANCH PIPE JUST ADJACENT TO THE MAIN.

PLAN NOTES

1 REFER TO ENLARGED PLANS FOR ADDITIONAL PIPE SIZING AND INFORMATION.

STUDIO VIEW ARCHITECTURE

WILLIAM A. MYERS REGISTERED PE10708732 STATE OF INDIANA PROFESSIONAL ENGINEER

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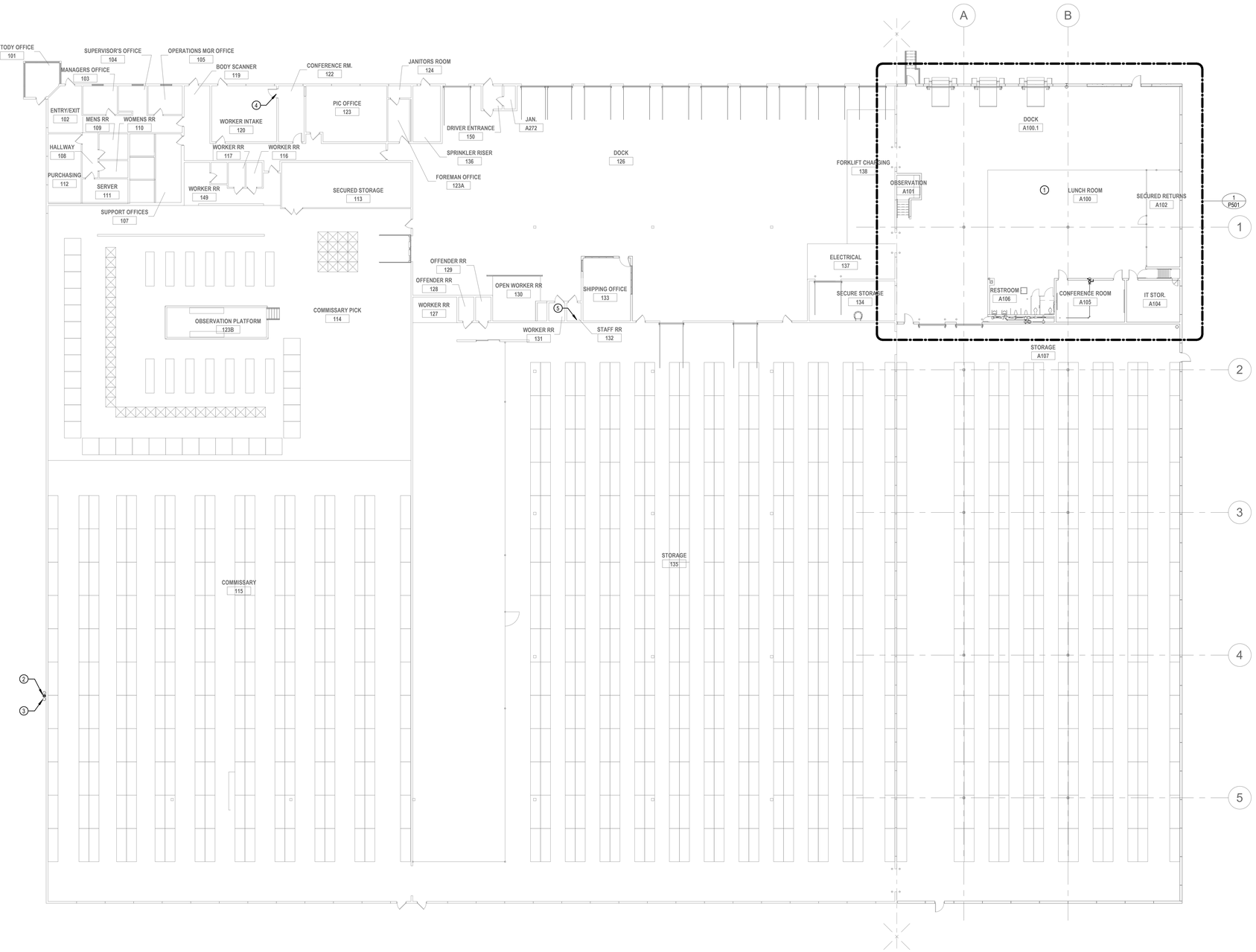
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OVERALL FOUNDATION PLUMBING PLAN

P200



1 OVERALL FIRST FLOOR PLUMBING PLAN
1/16" = 1'-0"

GENERAL NOTES

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PLAN NOTES

1 REFER TO ENLARGED PLANS FOR ADDITIONAL PIPE SIZING AND INFORMATION.
2 EXISTING NATURAL GAS METER.
3 EXISTING 3" NG UP TO ROOF.
4 REMOVE ANY ABANDOND SANITARY WASTE AND VENT, AND WATER PIPING AS NEEDED BACK TO MAIN OR NEAREST SHUTOFF VALVE AND CAP. CUT SANITARY PIPING JUST BELOW FLOOR AND CAP.
5 PROVIDE 2" HUB DRAIN CONNECTION FOR 3/4" MECHANICAL CONDENSATE. CONNECT HUB DRAIN TO VENT PIPE, SURFACE MOUNTED TO INTERIOR WALL LOCATED ABOVE CEILING.

STUDIO VIEW ARCHITECTURE

WILLIAM A. MATTINGLY REGISTERED PE10708732 STATE OF INDIANA PROFESSIONAL ENGINEER

Design Partners:

MATTINGLY CONSULTING
MEP DESIGN SERVICES
BIM COORDINATION
OWNERS REPRESENTATIVE

100% CONSTRUCTION DOCUMENTS

DEPARTMENT OF CORRECTIONS - PLAINFIELD

ICI WAREHOUSE EXPANSION

727 MOON RD. PLAINFIELD, IN 46168

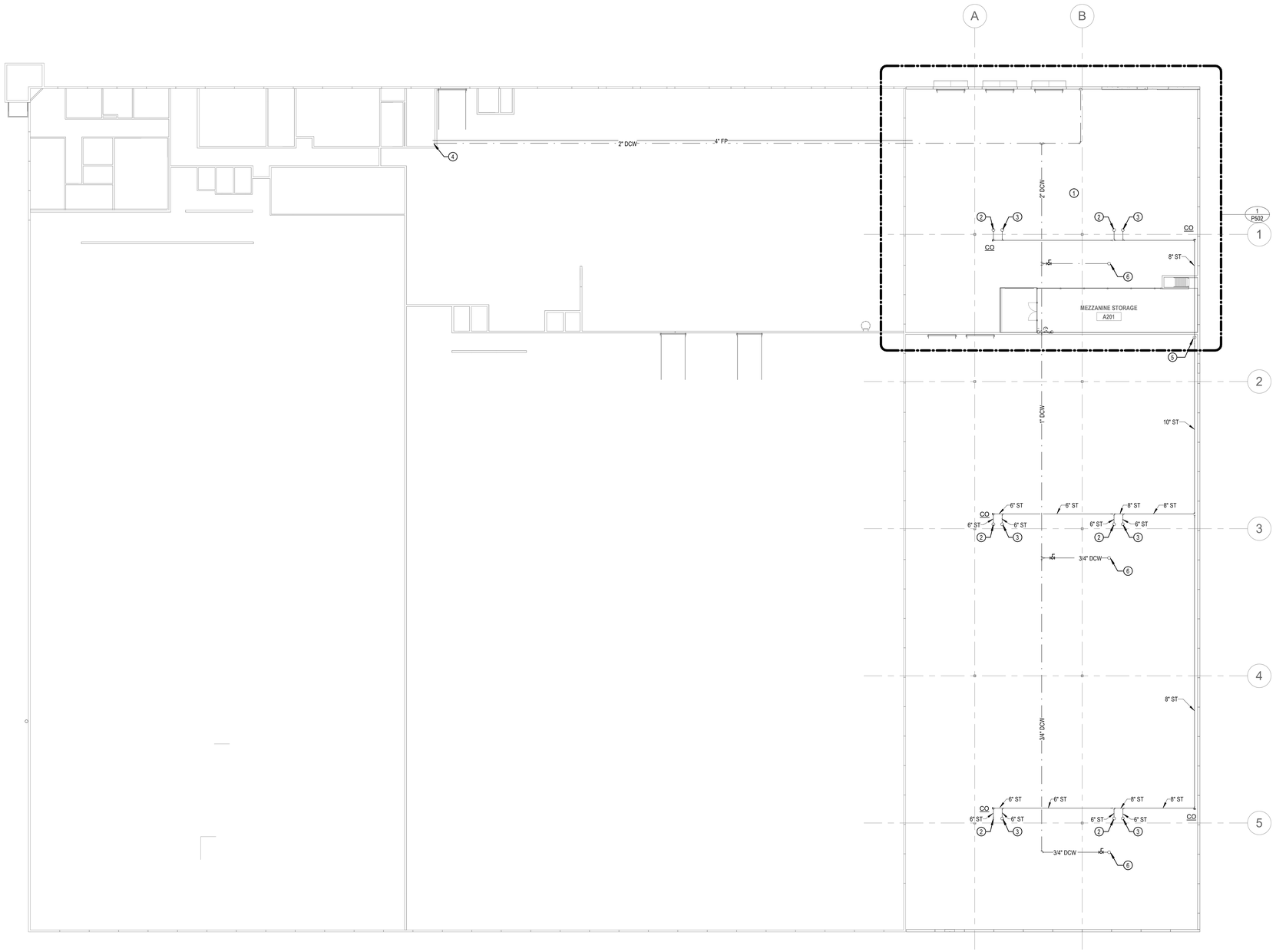
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OVERALL FIRST FLOOR PLUMBING PLAN

P210



1 OVERALL MEZZANINE PLUMBING PLAN
1/16" = 1'-0"

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PLAN NOTES

1 REFER TO ENLARGED PLANS FOR ADDITIONAL PIPE SIZING AND INFORMATION.
2 6" ST UP TO ROOF DRAIN.
3 6" ST UP TO OVERFLOW DRAIN.
4 2" DCW TO SERVE NEW PORTION OF WAREHOUSE. CONNECT TO EXISTING DCW AND PROVIDE SHUTTOFF VALVE.
5 12" ST RISER DN.
6 3/4" DCW UP TO ROOF HYDRANT.

STUDIO VIEW ARCHITECTURE

WILLIAM A. MATTINGLY REGISTERED PE10708732 STATE OF INDIANA PROFESSIONAL ENGINEER

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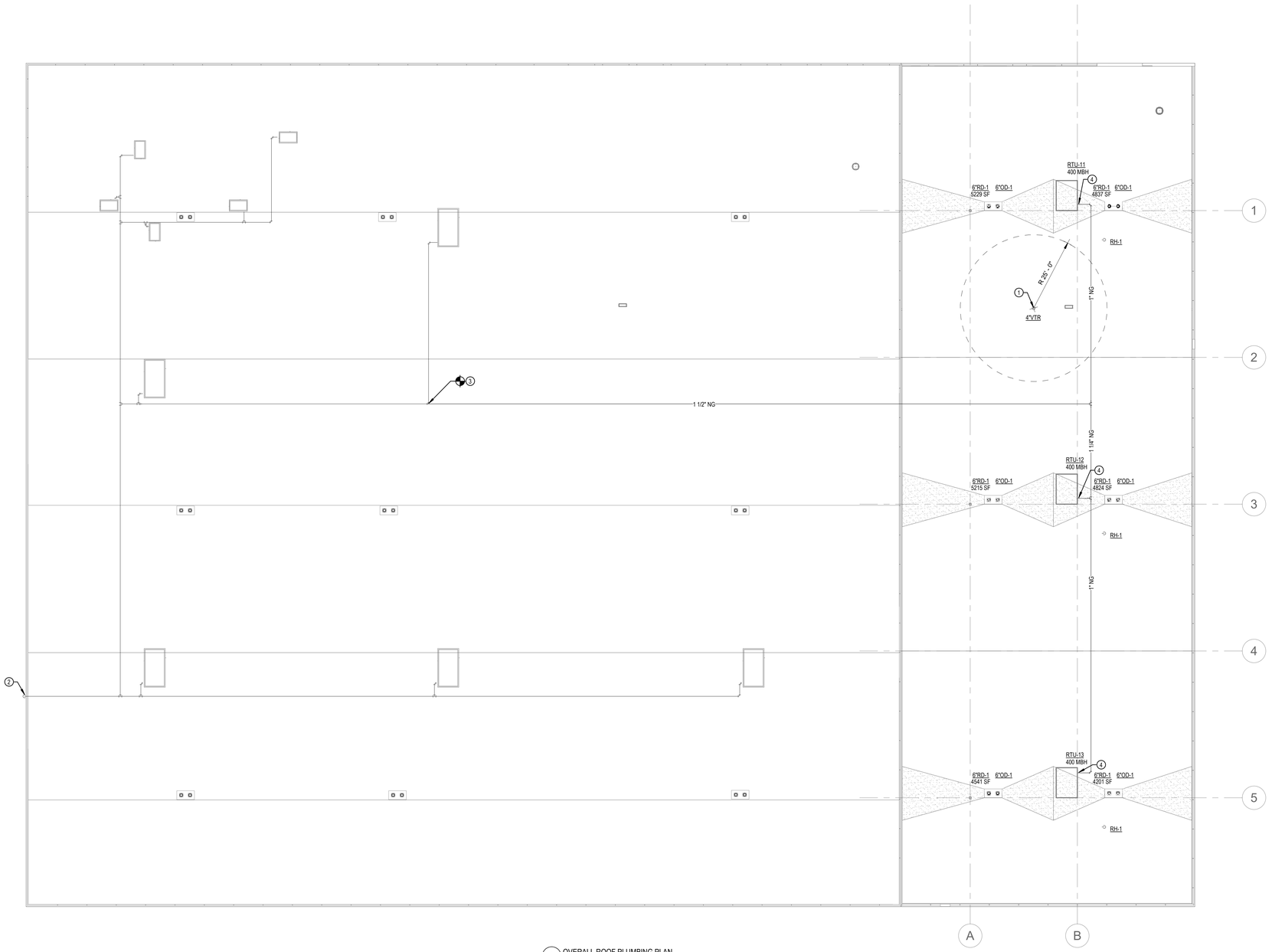
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OVERALL MEZZANINE FLOOR PLUMBING PLAN

P220



1 OVERALL ROOF PLUMBING PLAN
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PLAN NOTES

1 4" VENT THROUGH ROOF.
2 EXISTING 3" NG DN.
3 CONNECT 1-1/2" NG TO EXISTING NG PIPING AT THIS LOCATION.
4 CONNECT 1" NG TO TO ROOF TOP UNIT AND CONNECT PER MANUFACTURERS REQUIREMENTS.

STUDIO VIEW ARCHITECTURE

WILLIAM A. MYERS REGISTERED PE10708732 STATE OF INDIANA PROFESSIONAL ENGINEER

Design Partners:

MATTINGLY CONSULTING
MEP DESIGN SERVICES
BIM COORDINATION
OWNERS REPRESENTATIVE

100% CONSTRUCTION DOCUMENTS

DEPARTMENT OF CORRECTIONS - PLAINFIELD

ICI WAREHOUSE EXPANSION

727 MOON RD. PLAINFIELD, IN 46168

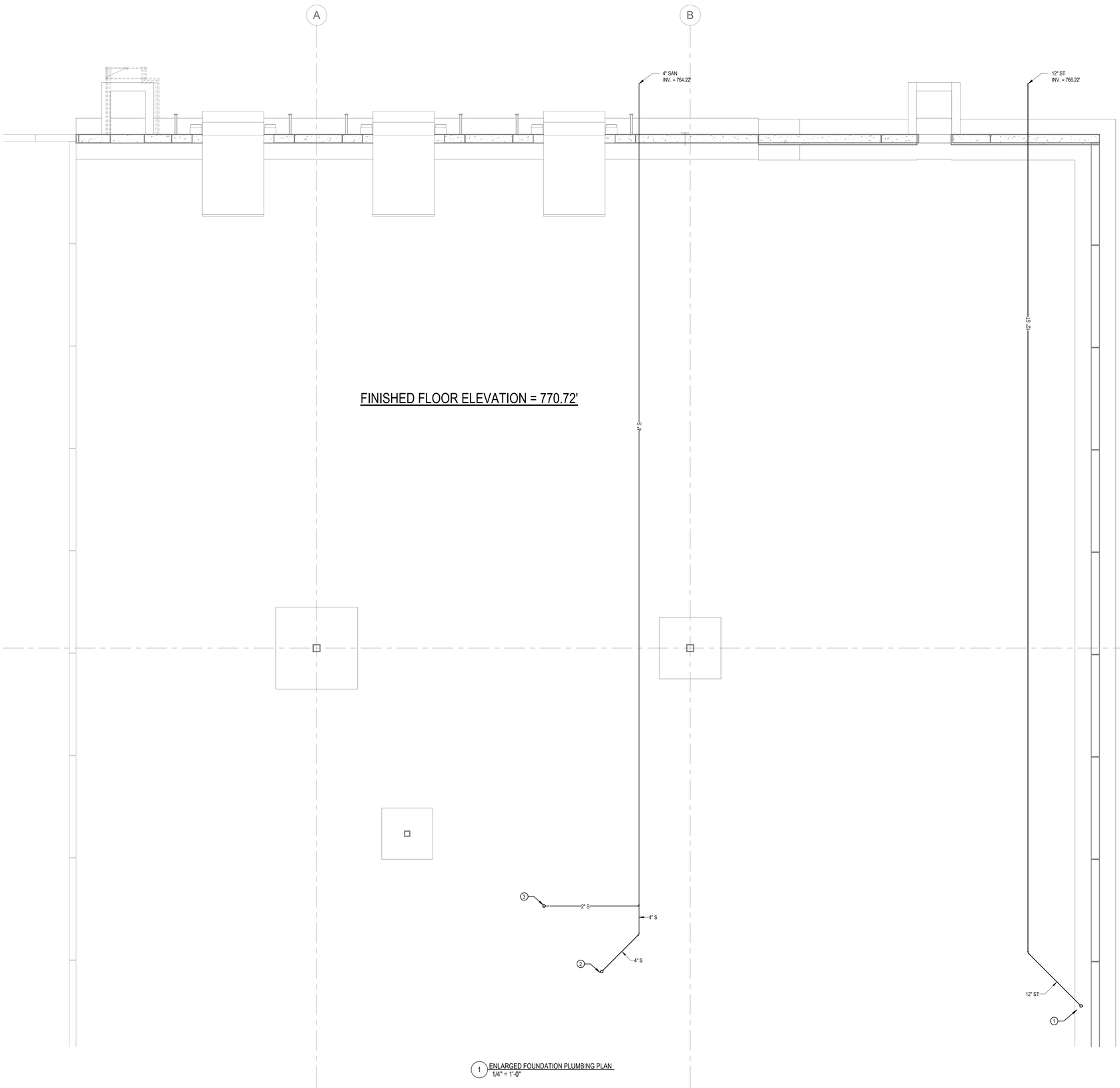
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ROOF PLUMBING PLAN

P230



1 ENLARGED FOUNDATION PLUMBING PLAN
1/4" = 1'-0"

GENERAL NOTES

(REQUIRED TO COMPLETE THE SCOPE OF WORK)

A. ALL CONTRACT DOCUMENTS (SPECIFICATIONS AND DRAWINGS) ARE COMPLIMENTARY AND MUST BE USED IN COMBINATION TO OBTAIN COMPLETE CONSTRUCTION INFORMATION. ALL CONFLICTS SHALL BE BROUGHT TO THE ARCHITECTS OR ENGINEERS ATTENTION IN ORDER TO ALLOW A CLARIFICATION TO BE ISSUED. ANY WORK COMPLETED WITHOUT THE CLARIFYING INFORMATION IS AT THE CONTRACTORS FINANCIAL RISK.
B. THE CONTRACTOR SHALL PROVIDE AND FURNISH ALL MATERIALS AND ACCESSORIES TO CREATE A FULLY OPERATIONAL, CODE COMPLIANT AND TESTED SYSTEM. ALL MATERIALS AND ACCESSORIES REQUIRED TO CREATE THE FULLY OPERATIONAL SYSTEM SHALL BE INCLUDED IN THE COST OF THIS PROJECT.
C. THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE. THE CONTRACTOR MAY AT THEIR OPTION MODIFY THE PIPE ROUTING IN ORDER TO CREATE A SYSTEM THAT MEETS THE INTENT OF THIS SET OF CONSTRUCTION DOCUMENTS.
D. THE CONTRACTOR SHALL INCLUDE ALL ITEMS THAT ARE REQUIRED TO ENSURE THAT THE ENTIRE SYSTEM IS FUNCTIONING IN COMPLIANCE WITH THE APPLICABLE CODES, AND MANUFACTURES INSTALLATION RECOMMENDATIONS AND OR REQUIREMENTS.
E. ALL CUTTING, DRILLING AND PATCHING OF WALLS, FLOORS AND/OR STRUCTURAL MEMBERS FOR THE INSTALLATION OF THE PLUMBING AND FIRE PROTECTION SYSTEMS SHALL BE PROVIDED AS PART OF THE SCOPE OF THIS PROJECT.
F. STRUCTURAL COMPONENTS SHALL NOT BE CUT, DRILLED OR MODIFIED IN ANY WAY WITHOUT THE STRUCTURAL ENGINEERS REVIEW AND PRIOR WRITTEN APPROVAL.
G. PROVIDE FIRE STOPPING WHERE PIPES PENETRATE FIRE RATED FLOORS AND WALLS. FIRE STOPPING MATERIALS AND METHODS SHALL BE PER LOCAL AND STATE CODES AND REQUIREMENTS.
H. ALL PLUMBING SYSTEMS SHALL BE INSTALLED PER THE CURRENT PLUMBING CODE FOR THE LOCATION OF THE WORK BEING INSTALLED.
I. ALL PLUMBING EQUIPMENT, PIPING, FIXTURES, AND PIPE ACCESSORIES SHALL BE NSF 61, ANNEX G COMPLIANT.
J. ALL PIPING LOCATED WITHIN A RETURN AIR PLENUM SHALL COMPLY WITH A 25/50 FLAME SMOKE RATING. ANY EXISTING PIPING DISCOVERED WITHIN A RETURN AIR PLENUM THAT DOES NOT COMPLY WITH THIS REQUIREMENT SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR FURTHER CLARIFICATION.
K. ALL EXTERIOR WALL PENETRATIONS SHALL BE SEALED WATER AND WEATHER TIGHT BY THE APPROPRIATE TRADE COMPETENT IN COMPLETING THIS WORK. THE COST OF THIS WORK SHALL BE INCLUDED IN THE SCOPE OF THIS PROJECT.
L. ALL VENT THROUGH ROOF (VTR) LOCATIONS SHALL BE FIELD VERIFIED IN REGARDS TO ANY OUTDOOR INTAKE LOCATION OF VTR SHALL BE NO LESS THAN AS REQUIRED BY THE LOCAL OR STATE CODES.
M. DO NOT ATTACH ANY CONSTRUCTION TO THE ROOF DECK JOIST BRIDGING, JOIST CROSS BRACING, PIPING, CONDUIT, DUCTWORK OR ANY OTHER NON-STRUCTURAL ITEM.
N. DO NOT WELD OR DRILL INTO STRUCTURAL STEEL OR JOIST; INSTEAD USE CLAMPS, TIE WIRE, THRU-BOLTS WITH WASHERS.
O. DO NOT USE ANY PVC, PLASTIC, ETC. IN PLENUM OR DEMISING WALLS UNLESS FIRE WRAPPED. ALL WOOD BLOCKING AND NAILERS, CONCEALED OR NOT SHALL BE FIRE RETARDANT TREATED.
P. DO NOT PENETRATE BUILDING WALLS FOR ANY DUCTING OR VENTING; ROUTE THROUGH ROOF USING GENERAL CONTRACTOR'S ROOFING CONTRACTOR.
Q. VENT THROUGH ROOF INSTALLATION: ALL ROOFING WORK SHALL BE COMPLETED BY THE GENERAL CONTRACTOR'S ROOFING CONTRACTOR. THE COST SHALL BE INCLUDED IN THE SCOPE OF THIS PROJECT.
R. NO-HUB PIPING OR FERNCO CONNECTIONS ARE NOT PERMITTED BELOW GRADE.
S. ALL PIPING SHALL BE PROPERLY SUSPENDED BY THE STRUCTURE PER THE LOCAL CODES.
T. ALL SHUT-DOWN OF UTILITIES AND FIRE PROTECTION SYSTEMS SHALL BE ARRANGED WITH NO LESS THAN SEVEN (7) DAYS NOTICE TO THE OWNER. WORK MAY NOT COMMENCE UNLESS WRITTEN APPROVAL IS PROVIDED BY THE OWNER.
U. ALL DOMESTIC WATER BRANCH PIPES SERVING FIXTURES OR EQUIPMENT WITH FAST ACTING OR ELECTRONIC VALVES SHALL BE PROVIDED WATER HAMMER ARRESTORS.
V. ALL EQUIPMENT, MIXING VALVES AND MOP BASINS SHALL BE PROVIDED CHECK VALVES TO ENSURE THE DIRECTION OF WATER FLOW.
W. ALL BRANCH PIPES FROM DOMESTIC WATER MAINS SHALL BE PROVIDED QUARTER TURN FULL PORT BALL VALVES ON THE BRANCH PIPE JUST ADJACENT TO THE MAIN.

PLAN NOTES

1 12" ST UP.
2 4" S UP.
3 2" S UP TO FLOOR DRAIN.

STUDIO VIEW ARCHITECTURE

WILLIAM A. MYERS REGISTERED PE10708732 STATE OF INDIANA PROFESSIONAL ENGINEER

Design Partners:

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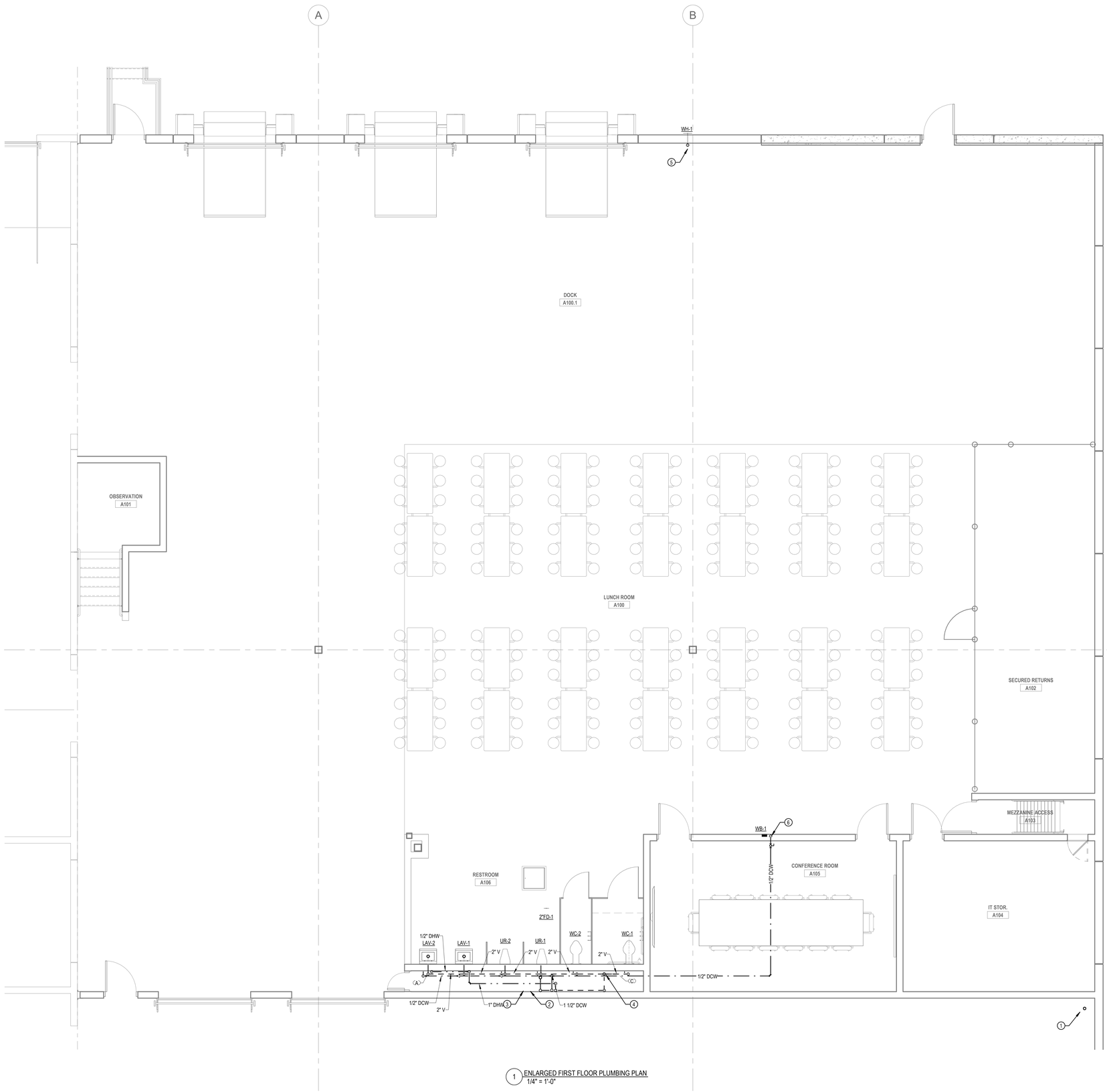
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ENLARGED FOUNDATION PLUMBING PLAN

P500



1 ENLARGED FIRST FLOOR PLUMBING PLAN
1/4" = 1'-0"

GENERAL NOTES
(REQUIRED TO COMPLETE THE SCOPE OF WORK)

A. ALL CONTRACT DOCUMENTS (SPECIFICATIONS AND DRAWINGS) ARE COMPLIMENTARY AND MUST BE USED IN COMBINATION TO OBTAIN COMPLETE CONSTRUCTION INFORMATION. ALL CONFLICTS SHALL BE BROUGHT TO THE ARCHITECTS OR ENGINEERS ATTENTION IN ORDER TO ALLOW A CLARIFICATION TO BE ISSUED. ANY WORK COMPLETED WITHOUT THE CLARIFYING INFORMATION IS AT THE CONTRACTORS FINANCIAL RISK.
B. THE CONTRACTOR SHALL PROVIDE AND FURNISH ALL MATERIALS AND ACCESSORIES TO CREATE A FULLY OPERATIONAL, CODE COMPLIANT AND TESTED SYSTEM. ALL MATERIALS AND ACCESSORIES REQUIRED TO CREATE THE FULLY OPERATIONAL SYSTEM SHALL BE INCLUDED IN THE COST OF THIS PROJECT.
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D. THE CONTRACTOR SHALL INCLUDE ALL ITEMS THAT ARE REQUIRED TO ENSURE THAT THE ENTIRE SYSTEM IS FUNCTIONING IN COMPLIANCE WITH THE APPLICABLE CODES, AND MANUFACTURES INSTALLATION RECOMMENDATIONS AND OR REQUIREMENTS.
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F. STRUCTURAL COMPONENTS SHALL NOT BE CUT, DRILLED OR MODIFIED IN ANY WAY WITHOUT THE STRUCTURAL ENGINEERS REVIEW AND PRIOR WRITTEN APPROVAL.
G. PROVIDE FIRE STOPPING WHERE PIPES PENETRATE FIRE RATED FLOORS AND WALLS. FIRE STOPPING MATERIALS AND METHODS SHALL BE PER LOCAL AND STATE CODES AND REQUIREMENTS.
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J. ALL PIPING LOCATED WITHIN A RETURN AIR PLENUM SHALL COMPLY WITH A 25/50 FLAME SMOKE RATING. ANY EXISTING PIPING DISCOVERED WITHIN A RETURN AIR PLENUM THAT DOES NOT COMPLY WITH THIS REQUIREMENT SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR FURTHER CLARIFICATION.
K. ALL EXTERIOR WALL PENETRATIONS SHALL BE SEALED WATER AND WEATHER TIGHT BY THE APPROPRIATE TRADE COMPETENT IN COMPLETING THIS WORK. THE COST OF THIS WORK SHALL BE INCLUDED IN THE SCOPE OF THIS PROJECT.
L. ALL VENT THROUGH ROOF (VTR) LOCATIONS SHALL BE FIELD VERIFIED IN REGARDS TO ANY OUTDOOR INTAKE. LOCATION OF VTR SHALL BE NO LESS THAN AS REQUIRED BY THE LOCAL OR STATE CODES.
M. DO NOT ATTACH ANY CONSTRUCTION TO THE ROOF DECK JOIST BRIDGING, JOIST CROSS BRACING, PIPING, CONDUIT, DUCTWORK OR ANY OTHER NON-STRUCTURAL ITEM.
N. DO NOT WELD OR DRILL INTO STRUCTURAL STEEL OR JOIST; INSTEAD USE CLAMPS, TIE WIRE, THRU-BOLTS WITH WASHERS.
O. DO NOT USE ANY PVC, PLASTIC, ETC. IN PLENUM OR DEMISING WALLS UNLESS FIRE WRAPPED. ALL WOOD BLOCKING AND NAILERS, CONCEALED OR NOT SHALL BE FIRE RETARDANT TREATED.
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W. ALL BRANCH PIPES FROM DOMESTIC WATER MAINS SHALL BE PROVIDED QUARTER TURN FULL PORT BALL VALVES ON THE BRANCH PIPE JUST ADJACENT TO THE MAIN.

PLAN NOTES

1 12" ST DN.
2 2" V UP.
3 2" DCW AND 3/4" DHW UP.
4 PROVIDE 2" HUB DRAIN OFF OF SANITARY STACK FOR 3/4" MECHANICAL CONDENSATE. COORDINATE LOCATION OF ACCESS PANEL.
5 3/4" FROM ABOVE TO SERVE WALL HYDRANT.
6 1/2" DCW DROP TO SERVE WALL BOX TO SERVE OWNER PROVIDED WATER DISPENSER. COORDINATE MOUNTING HEIGHT WITH OWNER PROVIDED EQUIPMENT.

STUDIO VIEW ARCHITECTURE

WILLIAM A. MYERS REGISTERED PE10708732 STATE OF INDIANA PROFESSIONAL ENGINEER

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DEPARTMENT OF CORRECTIONS - PLAINFIELD
ICI WAREHOUSE EXPANSION
727 MOON RD. PLAINFIELD, IN 46168

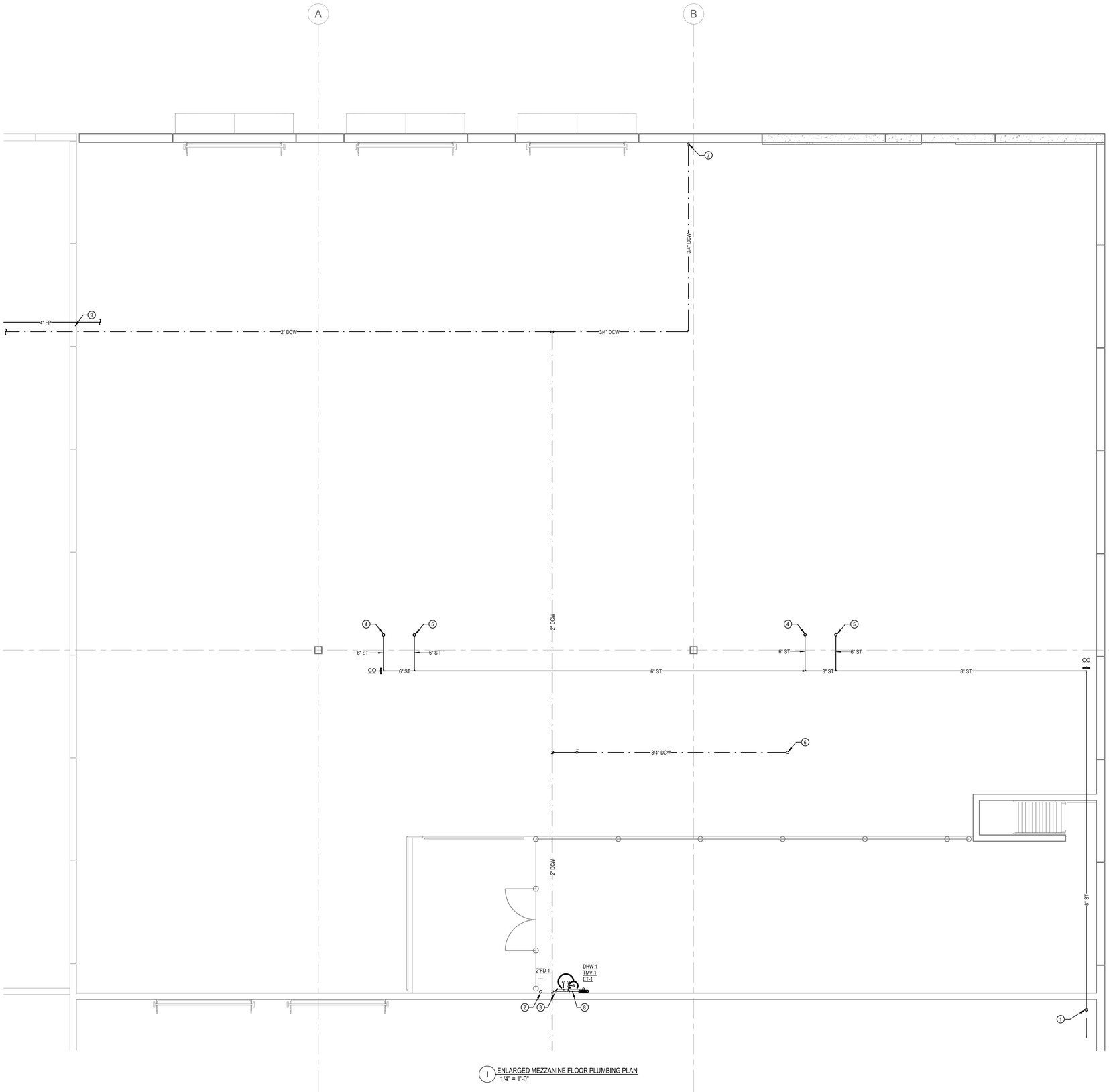
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ENLARGED FIRST FLOOR PLUMBING PLAN

P501



1 ENLARGED MEZZANINE FLOOR PLUMBING PLAN
1/4" = 1'-0"

GENERAL NOTES

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PLAN NOTES

1 12" ST DN.
2 2" V DN, 4" VENT THROUGH ROOF.
3 2" DCW AND 3/4" DHW DN.
4 6" ST UP TO ROOF DRAIN.
5 6" ST UP TO OVERFLOW DRAIN.
6 3/4" DCW UP TO ROOF HYDRANT.
7 3/4" DCW DN.
8 MOUNT WATER HEATER TO WALL USING HOLDRITE QUICK STAND WALL MOUNTED WATER HEATER PLATFORM. MOUNT WATER HEATER 8'-0" A.F.F. TO BOTTOM OF WATER HEATER. MOUNT THERMOSTATIC MIXING VALVE TO WALL NEXT TO WATER HEATER. ROUTE T&P VALVE DRAIN LINE AND WATER HEATER PLATFORM DRAIN TO FLOOR DRAIN.
9 ANY PIPING ROUTED THROUGH EXISTING EXTERIOR WALL SHALL BE SEALED AND FIRE PROOFED.

STUDIO VIEW ARCHITECTURE

WILLIAM A. MATTINGLY REGISTERED PE10708732 STATE OF INDIANA PROFESSIONAL ENGINEER

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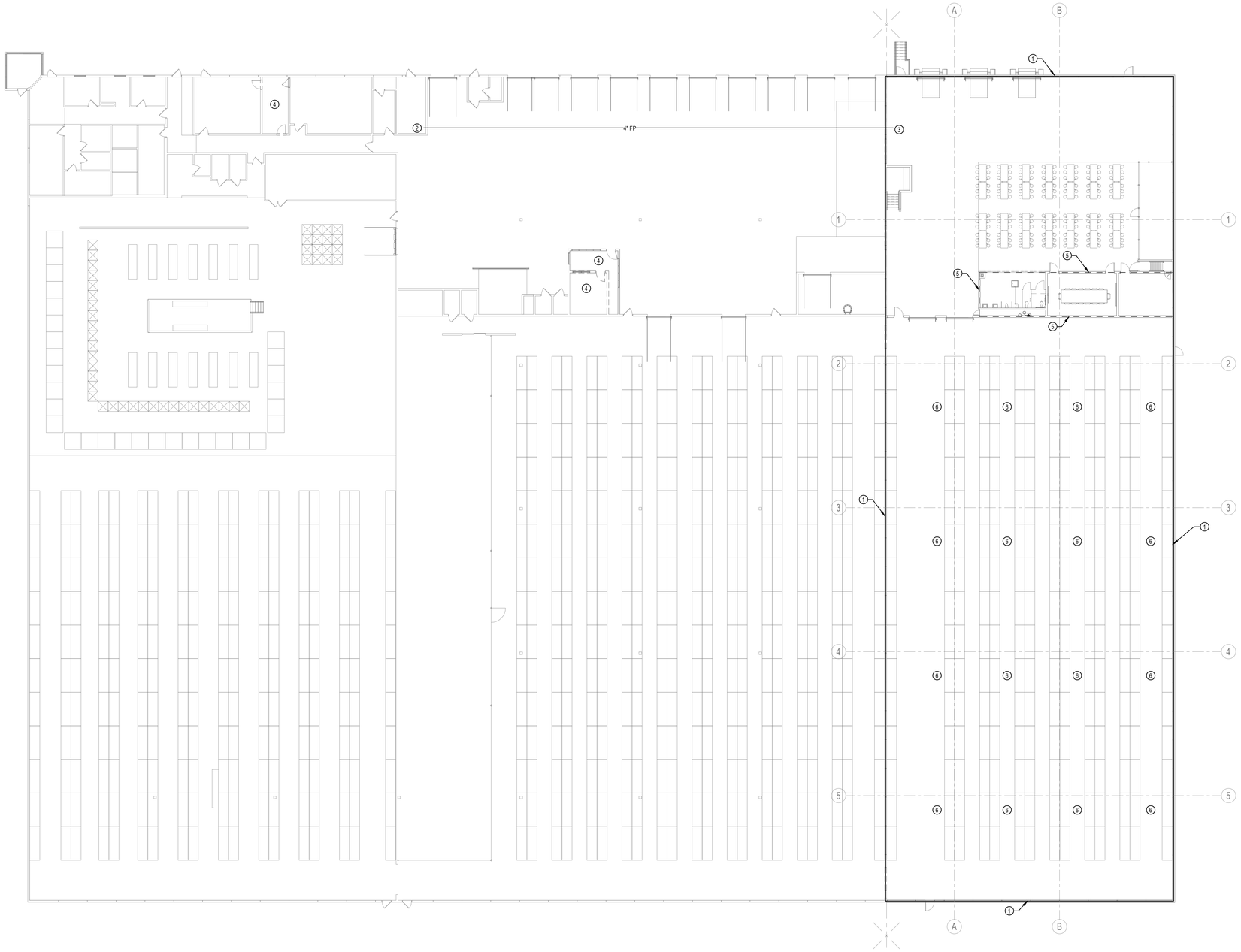
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ENLARGED MEZZANINE FLOOR PLUMBING PLAN

P502



PLAN NOTES

1. THIS AREA TO BE SPRINKLERED PER NFPA-13 2010.
2. CONNECT NEW FIRE PROTECTION MAIN TO EXISTING SPRINKLER RISER. MODIFY EXISTING SPRINKLER HEADER MAIN AS REQUIRED.
3. 4" FP TO SERVE NEW SPRINKLER ZONE.
4. MODIFY EXISTING SPRINKLERS IN THIS AREA AS REQUIRED TO ACCOMMODATE NEW ARCHITECTURAL CEILINGS AND FLOOR PLAN.
5. PROVIDE FIRE SPRINKLER PROTECTION FOR ROOMS LOCATED UNDER THE MEZZANINE PRE NFPA-13 2010.
6. PROVIDE IN-RACK SPRINKLER HEADS FOR ANY STORAGE RACKS EXCEEDING 12 FEET IN HEIGHT PER NFPA 13. COORDINATE THIS REQUIREMENT WITH FINAL PURCHASED RACKS.

1 FIRST FLOOR FIRE PROTECTION PLAN
1/16" = 1'-0"

STUDIO VIEW ARCHITECTURE

WILLIAM A. MATTINGLY REGISTERED PE10708732 STATE OF INDIANA PROFESSIONAL ENGINEER

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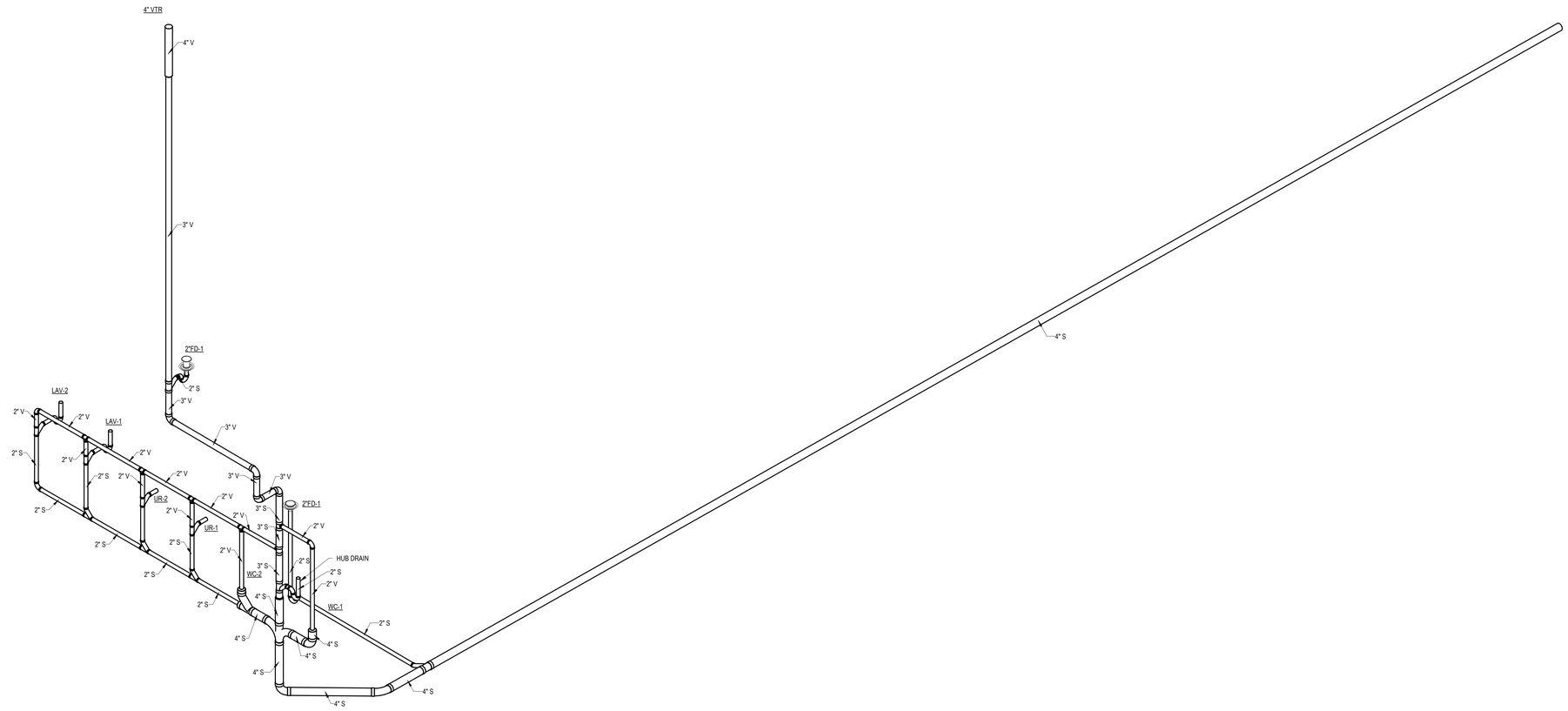
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FIRST FLOOR FIRE PROTECTION PLAN

P610



1 SANITARY RISER DIAGRAM

STUDIO VIEW ARCHITECTURE

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SANITARY RISER DIAGRAM

P700

PLUMBING EQUIPMENT SCHEDULE

EQUIPMENT NAME	EQUIPMENT DESIGNATION	MANUFACTURER	MODEL	LOCATION	RATED CAPACITY	EFFICIENCY	BUILDING AUTOMATION	UTILITY LOAD			ELECTRICAL LOAD					NOTES
								BTU/H	PRESSURE	SOURCE	kW	HP	VOLTS	PHASE	EMERGENCY POWER	
DHW-1	DOMESTIC WATER HEATER	A.O. SMITH	DEL-10	MEZZANINE	14GPM @ 72°F ΔT	-	No	-	-	ELECTRIC	2.5	-	240	3	No	ROUTE DRAIN TO FLOOR DRAIN.
ET-1	EXPANSION TANK	AMTROL	ST-5C	MEZZANINE	0.9 GALLON ACCEPTANCE	-	No	-	-	-	-	-	-	-	No	-
TMV-1	THERMOSTATIC MIXING VALVE	LAWLER	803	MEZZANINE	43 GPM @ 5 PSI PD	-	No	-	-	-	-	-	-	-	No	-

PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE	STYLE	FIXTURE		TRIM		PIPE SIZES				NOTES
			MANUFACTURER	MODEL NUMBER	MANUFACTURER	MODEL NUMBER	WASTE	VENT	CW	HW	
WC-1	WATER CLOSET	WALL MOUNT	WILLOUGHBY	ETW-1490-FM-TS-1.6-HC-TWE-TWC4P-FV	-	-	4"	2"	1"	-	AMERICAN DISABILITIES ACT (ADA). INSTALL PER THE REQUIREMENTS OF THE ACCESSIBILITY GUIDELINES.
WC-2	WATER CLOSET	WALL MOUNT	WILLOUGHBY	ETW-1490-FM-TS-1.6-TWF-TWC4P-FV	-	-	4"	2"	1"	-	-
UR-1	URINAL	WALL MOUNT	WILLOUGHBY	UW-1412-WO-FA-TS-1.0-FV	-	-	2"	2"	3/4"	-	AMERICAN DISABILITIES ACT (ADA). INSTALL PER THE REQUIREMENTS OF THE ACCESSIBILITY GUIDELINES.
UR-2	URINAL	WALL MOUNT	WILLOUGHBY	UW-1412-WO-FA-TS-1.0-FV	-	-	2"	2"	3/4"	-	-
LAV-1	LAVATORY	WALL MOUNT	WILLOUGHBY	HS-1013-46-HC-FA-SBPH-PML2-PBH-RPT	-	-	2"	2"	1/2"	1/2"	AMERICAN DISABILITIES ACT (ADA). INSTALL PER THE REQUIREMENTS OF THE ACCESSIBILITY GUIDELINES.
LAV-2	LAVATORY	WALL MOUNT	WILLOUGHBY	HS-1013-46-HC-FA-SBPH-PML2-PBH-RPT	-	-	2"	2"	1/2"	1/2"	-
WH-1	WALL HYDRANT	WALL MOUNT	WOODFORD	65	-	-	-	-	3/4"	-	-
RH-1	ROOF HYDRANT	DECK MOUNT	WOODFORD	SRH-MS	-	-	-	-	3/4"	-	-
WB-1	WALL BOX	WALL MOUNT	OATEY	37687	-	-	-	-	1/2"	-	-

PLUMBING DRAIN SCHEDULE

DRAIN DESIGNATION	MANUFACTURER	MODEL	CONNECTIONS		NOTES
			VENT/WET VENT	WASTE/STORM	
2"FD-1	JR SMITH	2005-02-A06	0"	2"	-
6"OD-1	ZURN	Z100	0"	6"	-
6"RD-1	ZURN	Z100-W2	0"	6"	-

WATER HAMMER ARRESTOR SCHEDULE

TYPE	QUANTITY	F.U. RATING	REMARKS
A	1	1 - 11	
C	1	33 - 60	

STUDIO VIEW ARCHITECTURE

WILLIAM A. MATTER REGISTERED PE10708732 STATE OF INDIANA PROFESSIONAL ENGINEER

Design Partners:

MATTINGLY CONSULTING

MEP DESIGN SERVICES
BIM COORDINATION
OWNERS REPRESENTATIVE

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DEPARTMENT OF CORRECTIONS - PLAINFIELD

ICI WAREHOUSE EXPANSION

727 MOON RD. PLAINFIELD, IN 46168

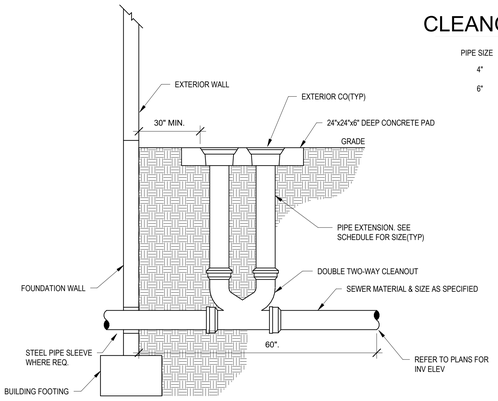
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32011091-2026-003
Designed By: KO
Drawn By: KO
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PLUMBING SCHEDULES

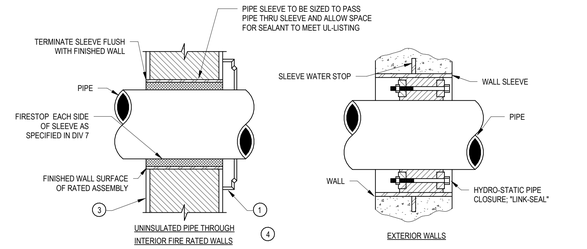
P800



CLEANOUT SIZES

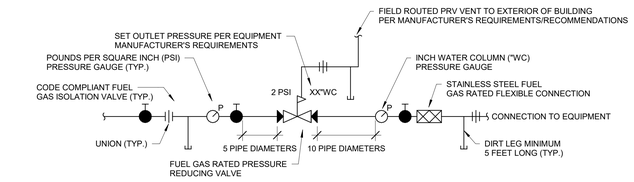
PIPE SIZE	CLEANOUT SIZE
4"	4"
6"	4"

6 EXTERIOR TWO-WAY SANITARY CLEANOUT DETAIL
NO SCALE

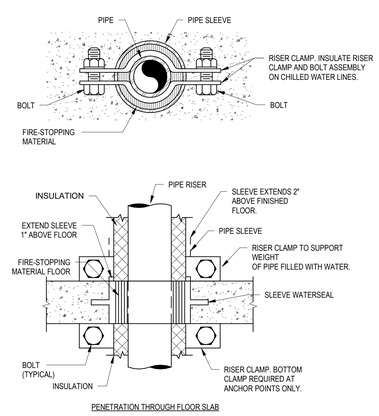


NOTES:
1. PROVIDE ESCUTCHEON PLATE FLUSH AGAINST WALL AND OF SIZE TO COMPLETELY COVER OPENING IN EXPOSED AREAS ONLY.
2. SEE SPECIFICATION SECTIONS FOR FURTHER REQUIREMENTS INCLUDING FLOOR SLEEVES.
3. LOCATE FIRESTOP LABEL ON EACH SIDE OF PENETRATION SO THAT IT IS VISIBLE FROM AN ACCESSIBLE LOCATION ABOVE CEILING.
4. INCLUDES FIRE WALLS, FIRE BARRIERS, SMOKE BARRIERS, AND FIRE PARTITIONS.

3 PIPE PENETRATION DETAILS
NO SCALE

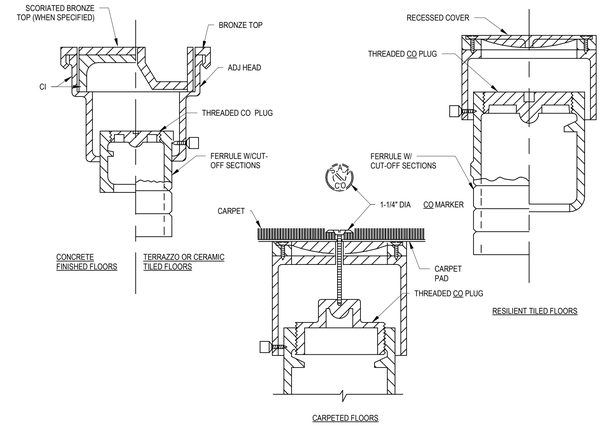


8 GAS FIRED EQUIPMENT PIPING CONNECTION DETAIL
NO SCALE

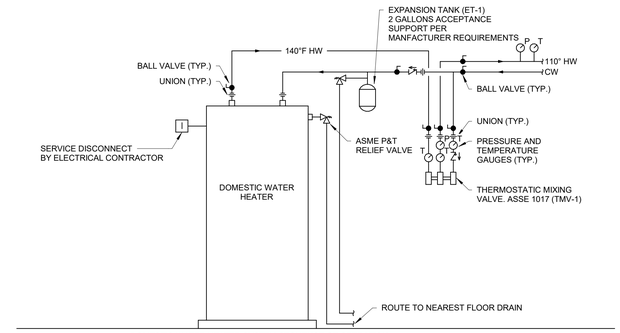


PENETRATION THROUGH FLOOR SLAB

5 PIPE SUPPORT FOR FLOOR PENETRATION DETAIL
NO SCALE



2 FLOOR CLEANOUT DETAIL
NO SCALE

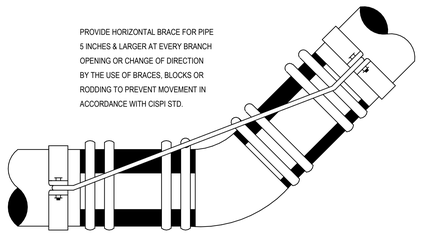


DOMESTIC WATER HEATER SYSTEM SEQUENCE OF OPERATION

WATER SYSTEM TEMPERATURE SET POINT:
-WATER HEATER DISCHARGE: 140°
-THERMOSTATIC MIXING VALVE: 120°

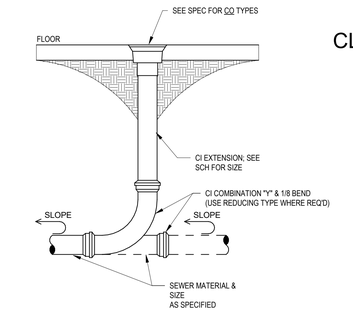
THERMOSTATIC MIXING VALVE:
-THE THERMOSTATIC MIXING VALVE SHALL BE PURCHASED WITH A THERMAL COIL WITH ADJUSTMENT CAPABILITIES TO SET THE DOMESTIC HOT WATER TEMPERATURE TO 140° (WITHIN MID RANGE OF THE COILS OPERATING RANGE)
-THE MIXING VALVE SHALL BE FIELD SET TO 120° DISCHARGE TEMPERATURE WITH A MAXIMUM OF 5 GPM FLOWING OUT OF A SINGLE FIXTURE OF A COMBINATION FIXTURES.

7 DOMESTIC WATER HEATER DETAIL - NO CIRCULATION
NO SCALE



PROVIDE HORIZONTAL BRACE FOR PIPE 5 INCHES & LARGER AT EVERY BRANCH OPENING OR CHANGE OF DIRECTION BY THE USE OF BRACES, BLOCKS OR RODDING TO PREVENT MOVEMENT IN ACCORDANCE WITH CISPI STD.

4 NO-HUB PIPE FITTING BRACE DETAIL
NO SCALE



CLEANOUT SIZES

PIPE SIZE	CLEANOUT SIZE
2"	2"
3"	3"
4" & LARGER	4"

1 FLOOR CLEANOUT DETAIL
NO SCALE

STUDIO VIEW ARCHITECTURE

WILLIAM A. MYERS REGISTERED PE10708732 STATE OF INDIANA PROFESSIONAL ENGINEER

Design Partners:

MATTINGLY CONSULTING
MEP DESIGN SERVICES
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DEPARTMENT OF CORRECTIONS - PLAINFIELD

ICI WAREHOUSE EXPANSION

727 MOON RD. PLAINFIELD, IN 46168

#	Revision	Date

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Designed By: KO
Drawn By: KO
Checked By: KO
DATE: 4/10/2026 12:53:58 PM

PLUMBING DETAILS

P900

FIELD VERIFY

EXISTING ELECTRICAL EQUIPMENT WAS OBTAINED FROM SIMILAR BUILDING DRAWINGS AND CURSORY FIELD OBSERVATION. HOWEVER, ACTUAL "AS-BUILT" DRAWINGS WERE NOT AVAILABLE. CERTAIN INFORMATION CONCERNING THE LOCATION OF THE EXISTING ELECTRICAL WORK MUST BE VERIFIED IN THE FIELD TO DETERMINE THE EXACT LOCATIONS, DEPTH, SIZE, ETC. PRIOR TO STARTING CONSTRUCTION. ANY CONFLICT BETWEEN THESE PLANS AND THE ACTUAL CONDITIONS SHALL BE REPORTED IMMEDIATELY TO THE DESIGN TEAM FOR VERIFICATION AND/OR CORRECTION.

SHEET KEYNOTES

1. EXISTING TO REMAIN.
2. REMOVE CHARGER AND DISCONNECT COMPLETE.
3. REMOVE DEVICE(S)/FIXTURE(S). CONDUCTORS AND CIRCUITS SERVING AREA TO REMAIN. RELOCATE OR PROVIDE NEW AS REQUIRED.
4. DEMOLISH EXTERIOR LIGHTING FIXTURE. DEMO BRANCH CIRCUIT AND CONDUIT COMPLETE.
5. DEMOLISH DOOR ALARM SYSTEM COMPLETE.
6. SITE ELECTRICAL CONTRACTOR SHALL RELOCATE EXISTING PAD MOUNT TRANSFORMER.
7. DISCONNECT EXISTING SECURITY SYSTEM CONTROL PANEL FOR REMOVAL BY SECURITY SYSTEM INSTALLER. PREP BRANCH CIRCUIT FOR EXTENSION TO NEW LOCATION. SEE SHEET E101 FOR ADDITIONAL INFORMATION.

GENERAL SHEET NOTES

A. ALL EXISTING ELECTRICAL INSTALLATIONS ARE NOT NECESSARILY SHOWN. REMOVAL OF EXISTING INSTALLATIONS ARE SHOWN DASHED, OR TO BE RELOCATED AS PLAN NOTED. ANY EXISTING ITEMS REMAINING, WHICH DO NOT CONTRIBUTE TO THE COMPLETED OPERATIONAL FACILITY SHALL BE REMOVED.

B. CONTRACTORS SHALL SCHEDULE AND PERFORM ALL WORK SO AS TO MINIMIZE DISTURBANCE TO FACILITY OPERATION.

C. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR PATCHING AREAS OF FLOORS, WALLS, CEILING ROOFING, ETC., AFTER REMOVAL OF EXISTING EQUIPMENT.

D. INDIVIDUAL SUBCONTRACTORS ARE RESPONSIBLE FOR REMOVING AND REINSTALLING FIXTURES, EQUIPMENT, ETC., THAT NORMALLY FALL WITHIN THEIR TRADES, AS REQUIRED TO INSTALL NEW ROOM FINISHES (FLOOR, WALLS, ETC.) IN AREAS WHERE FIXTURES, EQUIPMENT, ETC. ARE SHOWN TO REMAIN.

E. COORDINATE DEMOLITION OF EXISTING ELECTRICAL PANELS, CONTROL PANELS, AND CONTACTORS, WITH INSTALLATION OF NEW ELECTRICAL PANELS CONTROL PANELS, AND CONTACTORS SO THAT THERE IS A SEAMLESS TRANSFER.

F. DISPOSE OF ALL MATERIALS, REMOVED AND NOT REUSED, AS DIRECTED BY THE OWNER'S ENGINEER.

G. EXISTING ELECTRICAL EQUIPMENT THAT IS TO REMAIN SHALL BE PROTECTED DURING DEMOLITION OF OTHER ITEMS. ANY EQUIPMENT DAMAGED DURING CONSTRUCTION SHALL BE REPLACED AS REQUIRED.

H. CONTRACT DOCUMENTS CONSIST OF BOTH PROJECT MANUAL AND DRAWINGS AND BOTH ARE MEANT TO BE COMPLEMENTARY - ANYTHING APPEARING ON EITHER MUST BE EXECUTED THE SAME AS IF SHOWN ON BOTH.

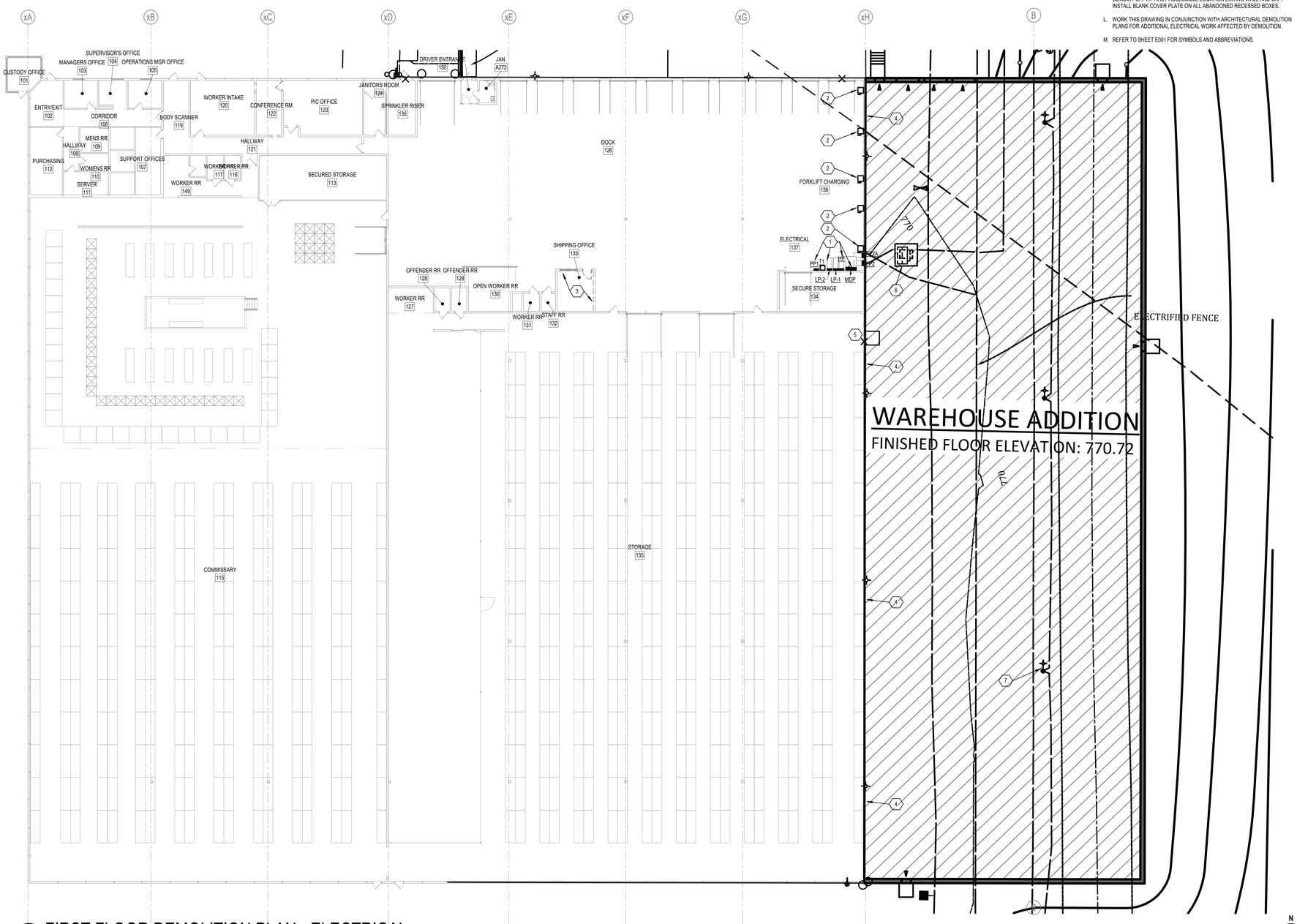
I. CONTRACTOR SHALL THOROUGHLY EXAMINE THE WORK OF OTHER TRADES PRIOR TO SUBMITTING A BID PROPOSAL.

J. CONTRACTORS SHALL PROVIDE UPDATED CIRCUIT DIRECTORIES FOR EXISTING PANEL BOARDS IDENTIFYING THE PROPER LOADS FED BY THE CIRCUITS (NEW AND EXISTING) UPON COMPLETION OF THE WORK.

K. EXISTING ELECTRICAL EQUIPMENT TO BE "REMOVED COMPLETE" SHALL INCLUDE THE REMOVAL OF THE DEVICE OR EQUIPMENT, REMOVAL OF THE WIRING BACK TO THE SOURCE PANEL, REMOVAL OF ALL SURFACE MOUNTED AND EXPOSED CONDUIT, BOXES, ETC., FOR CONDUIT CONCEALED IN FLOOR, CUT OFF CONDUIT BELOW FINISHED FLOOR AND CAP WITH WATERTIGHT PLUG. FOR CONDUIT CONCEALED IN EXISTING WALL TO REMAIN, CUT CONDUIT OFF AT FIRST ACCESSIBLE LOCATION EXITING WALL AND CAP, INSTALL BLANK COVER PLATE ON ALL ABANDONED RECESSED BOXES.

L. WORK THIS DRAWING IN CONJUNCTION WITH ARCHITECTURAL DEMOLITION PLANS FOR ADDITIONAL ELECTRICAL WORK AFFECTED BY DEMOLITION.

M. REFER TO SHEET E001 FOR SYMBOLS AND ABBREVIATIONS.



1 FIRST FLOOR DEMOLITION PLAN - ELECTRICAL
1/16" = 1'-0"

STUDIO VIEW ARCHITECTURE

THOMAS M. ROEDER JR. REGISTERED NO. 11100167 STATE OF INDIANA PROFESSIONAL ENGINEER

Design Partners:

NEO ENGINEERS
1135 SHELBY STREET, INDIANAPOLIS, IN 46203
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Designed By: JSC
Drawn By: JSC
Checked By: TMR
DATE: 4/10/2026 1:46:53 PM

FIRST FLOOR DEMOLITION PLAN - ELECTRICAL

DE201

FIRE ALARM IDENTITY SYMBOLS

CR	CONTROL RELAY
DH	DOOR HOLDER WITH RELAY
CLNG. H WALL	HORN AND STROBE
H	HORN UNIT ONLY
CLNG. S WALL	STROBE UNIT ONLY
CLNG. F WALL	SPEAKER AND STROBE
F	MANUAL PULL STATION
S	SMOKE DETECTOR
S_D	DUCT SMOKE DETECTOR WITH TWO AUXILIARY CONTACTS
RTS	REMOTE STATION FOR DUCT DETECTOR USED AT DUCT WORK OPENING
S_A	AREA TYPE SMOKE DETECTOR USED AT DUCT WORK OPENING
S_E	ELEVATOR RECALL WITH AUXILIARY CONTACTS
S_{SC}	SELF CONTAINED SMOKE DETECTOR-SINGLE STATION TYPE
S_V	SMOKE DETECTOR-VISUAL AND AUDIBLE SIGNAL
S_R	BEAM SMOKE DETECTOR, "R"-INDICATES RECEIVER
S_S	BEAM SMOKE DETECTOR, "S" INDICATES SENDING UNIT
CO	CARBON MONOXIDE DETECTOR. LINE VOLTAGE WITH BATTERY BACKUP
F	FLAME DETECTOR
H	AUTOMATIC HEAT DETECTOR, "R" INDICATES RATE OF RISE
H_F	AUTOMATIC HEAT DETECTOR, "F" INDICATES FIXED TEMPERATURE 190°F
H	HYDROGEN DETECTOR
D_{FS}	MOTOR OPERATED FIRE/SMOKE DUCT DAMPER
FS	WATER FLOW SWITCH, BY DIVISION 15
PS	LOW PRESSURE SWITCH, BY DIVISION 15
TS	TAMPER SWITCH, BY DIVISION 15
PIV	POST INDICATOR VALVE, BY DIVISION 15
EOL	END-OF-LINE RESISTOR

FIRE ALARM COMM IDENTITY SYMBOLS

M	FIRE ALARM MASTER BOX
	FIRE FIGHTER'S PHONE
FT	CODE TRANSMITTER
DK	DRILL KEY SWITCH
K	KEY REPOSITORY (KNOX BOX)
FAA	FIRE ALARM ANNUNCIATOR PANEL, 2 LINES OF 4" CHARACTERS LCD DISPLAY
FACP	FIRE ALARM CONTROL PANEL
EVAC	VOICE EVACUATION PANEL
FATC	FIRE ALARM TERMINAL CABINET
BATT	BATTERY PACK AND CHARGER
ASFP	AIR SAMPLING CONTROL/DETECTOR PANEL WITH ASSOCIATED AIR SAMPLING PIPING NETWORK
TPR	TRANSPONDER
IAM	INDIVIDUALLY ADDRESSABLE MODULE- MONITOR (PROVIDES ADDRESS FOR CONTACT)
ZAM	INDIVIDUALLY ADDRESSABLE MODULE- RELAY (PROVIDES CONTACT CLOSURE)

ONE-LINE IDENTITY SYMBOLS

	CAPACITOR
xxAF yyAT	CIRCUIT BREAKER (OPEN), "xxAF" INDICATES FRAME SIZE, "yyAT" INDICATES TRIP SIZE
xxAF yyAT	CIRCUIT BREAKER (ENCLOSED), "xxAF" INDICATES FRAME SIZE, "yyAT" INDICATES TRIP SIZE
xxAF yyAT	PRIMARY DRAW OUT TYPE CIRCUIT BREAKER, "xxAF" INDICATES FRAM SIZE, "yyAT" INDICATES TRIP SIZE
xxAF yyAT	LOW VOLTAGE DRAW OUT TYPE CIRCUIT BREAKER, "xxAF" INDICATES FRAM SIZE, "yyAT" INDICATES TRIP SIZE
xxAF yyAT zzA	LOW VOLTAGE DRAW OUT TYPE CIRCUIT BREAKER, WITH CURRENT LIMITING FUSES, "xxAF" INDICATES FRAME SIZE, "yyAT" INDICATES TRIP SIZE, "zzA" INDICATES FUSE RATING
	CONTACT NORMALLY OPEN (NO) ("TC"-WITH TIMED CLOSING)
	CONTACT NORMALLY CLOSED (NC) ("TO"-WITH TIMED OPENING)
CT	CURRENT TRANSFORMER CABINET
zzA	FUSED CUTOUTS, "zzA" INDICATES FUSE RATING
	DISCONNECT SWITCH UNFUSED
zzA	DISCONNECT SWITCH AIR BREAK WITH FUSE,"zzA" INDICATES FUSED RATING
zzA	FUSE, "zzA" INDICATES FUSED RATING
	OVERLOAD RELAY
	GROUNDING CONNECTION-SYSTEM AND OR EQUIPMENT
K2	KIRK KEY INTERLOCK SYSTEM
	LIGHTNING ARRESTER AND GROUNDING TO PROTECT ALL PHASES
X XX-XX-X.X	MOTOR AND LABEL, "3" DENOTES HORSEPOWER
MO	MOTOR OPERATOR FOR CIRCUIT BREAKERS OR SWITCH
	NETWORK PROTECTOR
	PANEL BOARD
	POTHEAD
	STRESS CONE
	RESISTOR
ST	SHUNT TRIP
	MAGNETIC STARTER WITH NEMA SIZE INDICATED
GFCI	GROUND FAULT CIRCUIT INTERRUPTER, PERSONNEL PROTECTION
xxx KW, xxx KVA, xxx AMP, 4/3 GENERATOR	GENERATOR
TX-###	TRANSFORMER, DRY TYPE, UNLESS OTHERWISE INDICATED
(3)	POTENTIAL TRANSFORMER, "3" INDICATES QUANTITY
(3) 400-5A	CURRENT TRANSFORMER, "3" INDICATES QUANTITY, "400-5A" INDICATED RATIO
	3-PHASE, 3-WIRE DELTA CONNECTION
	CORNER GROUNDED DELTA
	3-PHASE, 4-WIRE WYE CONNECTION (GROUNDED NEUTRAL)
AFD xx-x	ADJUSTABLE FREQUENCY DRIVE 3 REFERENCES DETAIL NUMBER
XX' xxxx BUS DUCT	BUS DUCT OR BUS WAY
XX' xxxx WIRE WAY	WIRE WAY
	TRANSFER SWITCH

SWITCHBOARD METER IDENTITY SYMBOLS

CM	CUSTOMER METER
D	DEMAND METER (UTILITY)
WM	WATTHOUR METER (UTILITY)

SECURITY IDENTITY SYMBOLS

	CCTV CAMERA "WP" INDICATES WEATHER-PROOF EXTERIOR CAMERA
CCTV	CCTV COAXIAL CABLE OUTLET AND POWER OUTLET
MTV	CCTV MONITOR OUTLET
B	DOORBELL
B	DOOR BUZZER
B	DOOR CHIME
DR	ELECTRIC DOOR OPENER
ES	ELECTRIC DOOR STRIKE
IC	INTERCOM UNIT - FLUSH MOUNT
MI	MASTER INTERCOM AND DIRECTORY UNIT
MD	MOTION DETECTOR
ML	SECURITY DOOR ALARM MAGNETIC LOCK
CR	SECURITY CARD READER, "WP" INDICATES WEATHER-PROOF
SCP	SECURITY CONTROL PANEL
DC	SECURITY DOOR CONTACTS
	SECURITY EXIT PUSH BUTTON
K	SECURITY KEYPAD

SWITCH IDENTITY SYMBOLS

S	SINGLE POLE SWITCH
$S_?$	SWITCH (EDIT AS NEEDED FOR 2-WAY, 3-WAY, a SWITCH LEG ETC.
$S_?$	SWITCH (EDIT AS NEEDED FOR 2-WAY, 3-WAY, OR a SWITCH LEG ETC.
$S_?$	CIRCUIT BREAKER SWITCH
S_{DT}	SINGLE POLE/DOUBLE THROW SWITCH
S_G	GLOW SWITCH TOGGLE, GLOWS IN OFF POSITION
S_H	HORIZONTALLY MOUNTED-WITH ON POSITION TO THE LEFT
S_K	KEY OPERATED SWITCH
S_{KP}	KEY OPERATED SWITCH WITH PILOT LIGHT ON WHEN SWITCH IS ON
S_{LV}	LOW VOLTAGE SWITCH
S_{LM}	LOW VOLTAGE MASTER SWITCH
S_{MC}	MOMENTARY CONTACT SWITCH
S_P	SWITCH WITH PILOT LIGHT ON WHEN SWITCH IS ON
S_T	TIMER SWITCH
S_{WP}	WEATHERPROOF SINGLE POLE SWITCH
	DIMMER SWITCH. RATED 1000W, UNLESS OTHERWISE INDICATED. "LV" = LOW VOLTAGE "FL" = FLUORESCENT
M	OCCUPANCY SENSOR, WALL MOUNTED WITH OFF-AUTO OVERRIDE SWITCH
M_P	OCCUPANCY SENSOR, CEILING MOUNTED, "P"- INDICATES MULTIPLE SWITCHES WIRED IN PARALLEL
M_N	OCCUPANCY SENSOR, CEILING MOUNTED, "N"- INDICATES NETWORKED DEVICE.

COMMUNICATION IDENTITY SYMBOLS

	DATA OUTLET
	DATA OUTLET FLOOR TYPE
	TELEPHONE/DATA OUTLET
	TELEPHONE/DATA OUTLET FLOOR TYPE
	TELEPHONE OUTLET
T_W	TELEPHONE OUTLET-WALL MOUNTED
	TELEPHONE OUTLET FLOOR TYPE
	CALL IN SWITCH
	CABLE ANTENNA SYSTEM OUTLET (CATV)
T_M	MASTER ANTENNA SYSTEM OUTLET (MATV)
M	MICROPHONE OUTLET-FLOOR MOUNTED
M	MICROPHONE OUTLET-WALL MOUNTED
S	SPEAKER-CEILING MOUNTED
S	SPEAKER-WALL MOUNTED
S	SPEAKER HORN
	SPEAKER BI-DIRECTIONAL PAGING-WALL MOUNTED
	SPEAKER BI-DIRECTIONAL PAGING-CEILING MOUNTED
IC	INTERCOM UNIT-FLUSH MOUNTED
MI	MASTER INTERCOM AND DIRECTORY UNIT
VC	VOLUME CONTROL
	EQUIPMENT CABINET
	EQUIPMENT RACK-WALL MOUNTED
	EQUIPMENT RACK-FREE STANDING
TCC	TERMINAL CABINET WITH 3/4" PLYWOOD BACKING
	PLYWOOD BACKBOARD

DISTRIBUTION IDENTITY SYMBOLS

	LIGHTING OR POWER PANEL, RECESSED
	LIGHTING OR POWER PANEL, SURFACE
	DISTRIBUTION PANEL
	LIGHTING OR POWER PANEL ON NORMAL/GENERATOR FEEDER
	DISTRIBUTION PANEL ON NORMAL/GENERATOR FEEDER
	MOTOR CONTROL CENTER (MCC)
T	DRY TYPE TRANSFORMER
T	TRANSFORMER-PAD MOUNT
CT	CURRENT TRANSFORMER CABINET
G	GENERATOR
M	METER
M	METER AND SOCKET
T_S	TRANSFER SWITCH

LIGHTING IDENTITY SYMBOLS

	SURFACE MOUNTED 2'x4' FIXTURE
	SURFACE MOUNTED 2'x4' EMERGENCY FIXTURE
	RECESSED MOUNTED 2'x4' FIXTURE
	RECESSED MOUNTED 2'x4' EMERGENCY FIXTURE
	SURFACE MOUNTED 1'x4' FIXTURE
	SURFACE MOUNTED 1'x4' EMERGENCY FIXTURE
	RECESSED MOUNTED 1'x4' FIXTURE
	RECESSED MOUNTED 1'x4' EMERGENCY FIXTURE
	SURFACE MOUNTED FIXTURE
	SURFACE MOUNTED EMERGENCY FIXTURE
	RECESSED MOUNTED FIXTURE
	RECESSED MOUNTED EMERGENCY FIXTURE
	POLE MOUNTED FIXTURE
	POLE MOUNTED EMERGENCY FIXTURE
	SUSPENDED FIXTURE
	SUSPENDED EMERGENCY FIXTURE
	WALL MOUNTED FIXTURE
	WALL MOUNTED EMERGENCY FIXTURE
	WALL MOUNTED FIXTURE
	WALL MOUNTED EMERGENCY FIXTURE
	LUMINAIRE STRIP TYPE FIXTURE (2 FOOT)
	LUMINAIRE STRIP TYPE FIXTURE (3 FOOT)
	LUMINAIRE STRIP TYPE FIXTURE (4 FOOT)
	EXIT LIGHTING FIXTURE, ARROWS AND EXIT FACE AS INDICATED ON DWGS (MOUNTING HEIGHTS TO BE DETERMINED BY JOB SPECIFICATION
	FIXTURE-DOUBLE OR SINGLE HEAD SPOT LIGHT
	EMERGENCY BATTERY UNIT WITH LIGHTING HEADS
	EMERGENCY BATTERY REMOTE LIGHTING HEADS
	LIGHT TRACK, LENGTH AS INDICATED ON DWGS WITH NUMBER OF LIGHTS INDICATED ON DWGS AND SCHEDULE
	IN-GROUND OR FLOOR MOUNTED FIXTURE
	SINGLE LUMINAIRE POLE MOUNTED SITE LIGHTING FIXTURE
	SINGLE LUMINAIRE POLE MOUNTED SITE LIGHTING FIXTURE
	SINGLE LUMINAIRE POLE MOUNTED SITE LIGHTING FIXTURE
	TWIN LUMINAIRE POLE MOUNTED SITE LIGHTING FIXTURE
	ROADWAY LUMINAIRE-COBRA HEAD
	BOLLARD TYPE SITE LIGHTING FIXTURE

POWER IDENTITY SYMBOLS

	SINGLE CONVENIENCE RECEPTACLE
	DUPLEX CONVENIENCE RECEPTACLE. 20A 125V. WALL MOUNT DEVICE
	DOUBLE DUPLEX CONVENIENCE RECEPTACLE.
	DUPLEX RECEPTACLE. 20A 125V. HORIZONTAL WALL MOUNT DEVICE.
	SINGLE CONVENIENCE RECEPTACLE ON EMERGENCY/STANDBY CIRCUIT
	DUPLEX CONVENIENCE RECEPTACLE ON EMERGENCY/STANDBY CIRCUIT
	DOUBLE DUPLEX CONVENIENCE RECEPTACLE ON EMERGENCY/STANDBY CIRCUIT
	GFI DUPLEX CONVENIENCE RECEPTACLE
	DUPLEX CONVENIENCE COUNTERTOP RECEPTACLE
	GFI DUPLEX CONVENIENCE COUNTERTOP RECEPTACLE
	SPECIAL RECEPTACLE
C	CLOCK HANGER OUTLET RECESSED MOUNTED 8'-0" AFF OR 8" BELOW CEILING AS INDICATED
	MULTI-OUTLET ASSEMBLY
	MULTI-OUTLET ASSEMBLY
	FLOOR DUPLEX CONVENIENCE RECEPTACLE.
	FLUSH MOUNT FLOOR BOX, ADJUSTABLE, WITH BOTH POWER AND VOICE/DATA RECEPTACLES
	JUNCTION BOX
	MOTOR
	PUSH-BUTTON
	ON/OFF PUSH-BUTTON STATION
	THREE FUNCTION PUSH-BUTTON SWITCH (UP/DOWN/STOP)
M	MOTOR STARTER SWITCH
S	TOGGLE DISCONNECT SWITCH
P	THERMAL MOTOR SWITCH WITH HANDLE GUARD AND PADLOCK CAPABILITY, "P"-INDICATES PILOT LIGHT
	DISCONNECT SWITCH, UNFUSED TYPE
F	DISCONNECT SWITCH, FUSED TYPE
CB	ENCLOSED CIRCUIT BREAKER
C	MAGNETIC CONTACTOR
	MAGNETIC MOTOR STARTER
	COMBINATION MAGNETIC STARTER AND DISCONNECT SWITCH
	PHASE, NEUTRAL, GROUND
	PHASE, PHASE, NEUTRAL, GROUND
	PHASE, PHASE, PHASE, NEUTRAL, GROUND
	PHASE, PHASE, NEUTRAL, NEUTRAL, GROUND
	PHASE, PHASE, GROUND
	PHASE, PHASE, PHASE, GROUND
	HOMERUN
	PHASE, NEUTRAL, GROUND, HOMERUN
	GROUND
	CONNECTION
	3/4"x10' COPPER GROUND ROD

GENERAL ELECTRICAL NOTES

A. DRAWINGS ARE DIAGRAMMATIC. ALL DIMENSIONS SHOWN ARE APPROXIMATE. ALL LOCATIONS SHALL BE FIELD VERIFIED.

B. ALL WORK SHALL BE IN CONFORMANCE WITH THE NATIONAL ELECTRICAL CODE - LATEST EDITION ADOPTED BY INDIANA, THE INDIANA ELECTRICAL CODE AMENDMENTS, LOCAL/MUNICIPAL CODES, AND THE AUTHORITY HAVING JURISDICTION.

C. ALL CONNECTIONS TO EQUIPMENT SUBJECT TO MOVEMENT OR VIBRATION SHALL BE LIQUID TIGHT FLEXIBLE METAL CONDUIT, NOT LESS THAN 12" IN LENGTH, NOR GREATER THAN 36" IN LENGTH.

D. ALL CONDUIT PENETRATIONS SHALL BE SEALED WITH APPROPRIATE CONDUIT SEALING MATERIAL.

E. ALL CABLE SIZES SHALL UTILIZE COPPER CONDUCTORS.

F. FIELD VERIFY LOCATIONS OF BUILDING EXPANSION JOINTS WHEN ROUTING CONDUIT. ALL CONDUITS CROSSING EXPANSION JOINTS SHALL BE INSTALLED WITH EXPANSION FITTINGS. EXPANSION FITTINGS SHALL BE INSTALLED IN ACCORDANCE WITH THE NEC, AND MANUFACTURER'S WRITTEN RECOMMENDATIONS.

G. FEEDERS FROM PANEL BOARDS BACK TO MAIN SWITCHBOARD, BETWEEN AUTO TRANSFER SWITCHES AND THEIR SOURCES/LOADS, BETWEEN DRY-TRANSFORMERS AND THEIR SOURCES/LOADS. ARE NOT INDICATED ON THE FLOOR PLAN DRAWINGS. FEEDERS [illegible] OF THE WORK, AND SHALL BE SIZED AS INDICATED ON THE ONE LINE DIAGRAM.

H. CABLE TRAY IS SHOWN ON THE PLANS. IF PORTIONS OF CABLE TRAY CANNOT BE INSTALLED DUE TO CONFLICT WITH STRUCTURE OR OTHER EQUIPMENT, THE CONTRACTOR SHALL PROVIDE (2) 4"C WITH INSULATED BUSHINGS THAT OVERLAP 1" INTO THE TRAY TO AVOID CONFLICTS IN THESE LOCATIONS.

I. HOME RUNS SHALL NOT BE COMBINED IN A RACEWAY UNLESS SHOWN ON THE CONTRACT DRAWINGS. SINGLE PHASE BRANCH CIRCUIT HOME RUNS MAY BE COMBINED AT THE CONTRACTOR'S DISCRETION NOT GREATER THAN (3) PHASE CONDUCTORS, (3) NEUTRAL CONDUCTORS, AND A GROUNDING CONDUCTOR.

J. EACH SINGLE PHASE BRANCH CONDUCTOR SHALL HAVE A DEDICATED NEUTRAL BACK TO THE PANEL.

K. CONDUITS 2" AND LARGER THAT PENETRATE EXTERIOR WALLS SHALL USE LINK-SEALS.

L. WHERE LOW VOLTAGE (CONTROL) CABLING IS ALLOWED TO BE INSTALLED WITHOUT A RACEWAY, IT SHALL BE SUPPORTED PER SECTION 260529 NOT EXCEEDING INTERVALS OF 48 INCHES, AND NOT MORE THAN 6 INCHES FROM CABINETS, BOXES, FITTINGS, OUTLETS, RACKS, FRAMES AND TERMINALS.

NOTATION DESIGNATORS

GENERAL NOTES:	NOTES THAT APPLY EQUALLY TO ALL DISCIPLINES WITHIN THE DRAWING SET.
GENERAL ELECTRICAL NOTES:	NOTES THAT APPLY EQUALLY TO ALL SHEETS WITHIN THE DISCIPLINE.
GENERAL SHEET NOTES:	NOTES THAT APPLY ONLY TO THE SPECIFIC SHEET ON WHICH THEY APPEAR.
SHEET KEYNOTES:	NOTES THAT APPLY ONLY TO THE SPECIFIC SHEET ON WHICH THEY APPEAR AND USE A KEYNOTE INDICATOR TO IDENTIFY ITEMS.

SUBSET DESIGNATORS

G-000	GENERAL
A-000	ARCHITECTURAL
F-000	FIRE PROTECTION
P-000	PLUMBING
M-000	MECHANICAL
E-000	ELECTRICAL

SHEET TYPE DESIGNATORS

E-000	GENERAL (SYMBOLS, ABBREVIATIONS, NOTES)
E-100	PLANS
E-200	ELEVATIONS
E-300	SECTIONS
E-400	LARGE SCALE VIEWS (PLANS, ELEVATIONS OR SECTIONS)
E-500	DETAILS
E-600	SCHEDULES OR DIAGRAMS
E-700	USER DEFINED
E-800	USER DEFINED
E-900	3D REPRESENTATIONS (ISOMETRICS)

ABBREVIATIONS AND TERMS

&	AND	EMT	ELECTRICAL METALLIC TUBING	OCP	OVERCURRENT PROTECTION
Ø	PHASE	ETR	EXISTING TO REMAIN	OD	OUTSIDE DIAMETER, OVERFLOW DRAIN
°F	DEGREES FAHRENHEIT	EWC	ELECTRIC WATER COOLER	OFCI	OWNER FURNISHED/CONTRACTOR INSTALLED
A/C	AIR CONDITIONING	EX	EXISTING	OL	OVERLOAD
A	AMPERES	FCU	FAN COIL UNIT	OZ	OUNCE
ACCU	AIR COOLED CONDENSING UNIT	FLR	FLOOR	P	POLE, PHASE, PARALLEL
AF	AMPERE FUSE	FP	FIRE PUMP	PE	PNEUMATIC ELECTRIC
AFC	ABOVE FINISHED COUNTER	FPVAV	FAN POWERED VAV UNIT	PF	POWER FACTOR
AFF	ABOVE FINISHED FLOOR	FT	FOOT, FEET	PH	PHASE
AFG	ABOVE FINISHED GRADE	FURN	FURNACE	PTAC	PACKAGED TERMINAL AIR CONDITIONER
AHU	AIR HANDLING UNIT	G	GROUND, GALLONS	PVC	POLYVINYL CHLORIDE CONDUIT/PIPE
AIC	AMPERES INTERRUPTING CAPACITY	GC	GENERAL CONTRACTOR	RCPT	RECEPTACLE
AL	ALUMINUM	GFI	GROUND FAULT INTERRUPTING	REV	REVOLUTIONS
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	GFCI	GROUND FAULT CIRCUIT	RGS	RIGID GALVANIZED CONDUIT
ARCH	ARCHITECT	GRD	GROUND	RM	ROOM
ATS	AUTOMATIC TRANSFER SWITCH	GND	GROUND	RPM	REVOLUTIONS PER MINUTE
AVG	AVERAGE	HHWP	HEATING HOT WATER PUMP	RPS	REVOLUTIONS PER SECOND
BAS	BUILDING AUTOMATION SYSTEM	HOA	HAND-OFF-AUTOMATIC	RTU	ROOF TOP UNIT
B/I	BYPASS ISOLATION	HORIZ	HORIZONTAL	SF	SQUARE FOOT
BE	BOTTOM ELEVATION	HP	HORSEPOWER	SPEC	SPECIFICATION
BLDG	BUILDING	HR	HOUR(S)	SQ	SQUARE
BMS	BUILDING MANAGEMENT SYSTEM	HRTU	HEATING ONLY ROOFTOP UNIT	ST	SHUNT TRIP
BSMT	BASEMENT	Hz	HERTZ	STD	STANDARD
C	CONDUIT	IAC	INSTRUMENTATIONS AND CONTROLS	SW	SWITCH
CB	CIRCUIT BREAKER	ID	INSIDE DIAMETER	TBD	TO BE DETERMINED
CBA	COLOR BY ARCHITECT	IN	INCH, INCHES	TBI	TO BE INSTALLED
CCW	COUNTERCLOCKWISE	INT	INTERIOR	TBR	TO BE REMOVED
CH	CHILLER	JP	JOCKEY PUMP	TC	TEMPERATURE CONTROLS
CHWP	CHILLED WATER PUMP	K	KELVIN, KEYED	TCC	TEMPERATURE CONTROLS CONTRACTOR
CLG	CEILING	kW	KILOWATT	TR	TAMPER RESISTANT
CMT	CONDUIT EMPTY	KVA	KILOVOLT AMPS	TEMP	TEMPERATURE
COMPR	COMPRESSOR	LBS	POUNDS	TF	TRANSFER FAN
COND	CONDENSER	LSI, LSIG	TRIP TYPE - LONG, SHORT, INSTANTANEOUS, GROUND FAULT	TRANS	TRANSITION
CONV	CONVECTOR	LTG	LIGHTING	TYP	TYPICAL
CT	COOLING TOWER	MAX	MAXIMUM	UH	UNIT HEATER
CU	CONDENSING UNIT, COPPER	MC	MECHANICAL CONTRACTOR	UON	UNLESS OTHERWISE NOTED
CUH	CABINET UNIT HEATER	MCA	MINIMUM CIRCUIT AMPS	UV	UNIT VENTILATOR
CUV	CLASSROOM UNIT VENTILATOR	MCC	MOTOR CONTROL CENTER	V	VOLTS
CW	CLOCKWISE	MFR	MANUFACTURER	VAV	VARIABLE AIR VOLUME
CWP	CONDENSER WATER PUMP	MIN	MINIMUM	VB	VACUUM BREAKER
D	DEDICATED CIRCUIT	MISC	MISCELLANEOUS	VERT	VERTICAL
DC	DIRECT CURRENT	MOP	MAXIMUM OVERCURRENT PROTECTION	VF	VENTILATION FAN
DS	DISCONNECT SWITCH	MTD	MOUNTED	VFD	VARIABLE FREQUENCY DRIVE
DWH	DOMESTIC WATER HEATER	MV	MEDIUM VOLTAGE	W	WIRE, WATT
DWG	DRAWING	NA	NOT APPLICABLE	WP	WEATHERPROOF
EA	EACH	NEC	NATIONAL ELECTRIC CODE	W/	WITH
EC	ELECTRICAL CONTRACTOR	NIC	NOT IN CONTRACT	W/O	WITHOUT
EF	EXHAUST FAN	NL	NIGHT LIGHT	WSHP	WATER SOURCE HEAT PUMP
EFF	EFFICIENCY	NOM	NOMINAL		
EL	ELEVATION	NTS	NOT TO SCALE		

REFERENCE SYMBOLS

SECTION INDICATOR:	REFERENCE SECTION LOCATION THROUGH AN AREA FOR ADDITIONAL INFORMATION.	KEYNOTE INDICATOR:	REFERENCE SHEET KEYNOTE LOCATION FOR ADDITIONAL INFORMATION.
SECTION LOCATION IN DRAWING MODULE; A1 / E-301; BEYOND AREA EXTENSION; PLAN; SECTION LOCATION AT SUBSET SHEET		KEYNOTE INDICATORS; NUMERICAL CHARACTER RELATES TO ITEM; POINT LEADER; AREA LEADER; LINE LEADER	
DETAIL INDICATOR:	REFERENCE DETAIL LOCATION FOR ADDITIONAL INFORMATION.	DRAWING BLOCK TITLE INDICATOR:	REFERENCE DRAWING MODULE LOCATION FOR ADDITIONAL INFORMATION.
LARGE SCALE VIEW LOCATION IN DRAWING MODULE; A1 / E-401; LARGE SCALE VIEW LOCATION AT SUBSET SHEET; DETAIL LOCATION IN DRAWING MODULE; A1 / E-501; DETAIL LOCATION AT SUBSET SHEET		DRAWING MODULE LOCATION (IDENTIFYING LOWER LEFT OF MULTIPLE MODULES); A1; DRAWING BLOCK TITLE; NUMERIC SCALE; GRAPHIC SCALE; NORTH ARROW	
MATCH LINE INDICATOR:	REFERENCE SHEET LOCATION FOR ADDITIONAL INFORMATION.	REVISION INDICATOR:	REFERENCE TITLE BLOCK LOCATION FOR ADDITIONAL INFORMATION.
FLOOR PLAN OVERLAP; SEE E-102; BEYOND AREA EXTENSION; REFER TO ADDITIONAL SHEET FOR CONTINUATION; PLAN		REVISION INDICATOR; REVISION CLOUD	
LIGHTING INDICATOR:	REFERENCE SCHEDULE LOCATION FOR ADDITIONAL INFORMATION.		
A / a 2	"A" = FIXTURE TYPE, REFER TO FIXTURE SCHEDULE, "2" = CIRCUIT NUMBER, "a" = SWITCH IDENTIFICATION		

NOT ALL NOTES, DESIGNATORS, SYMBOLS OR ABBREVIATIONS MAY APPLY TO THIS PROJECT

STUDIO VIEW ARCHITECTURE

THOMAS M. ROEDER JR. REGISTERED NO. 11100167 STATE OF INDIANA PROFESSIONAL ENGINEER

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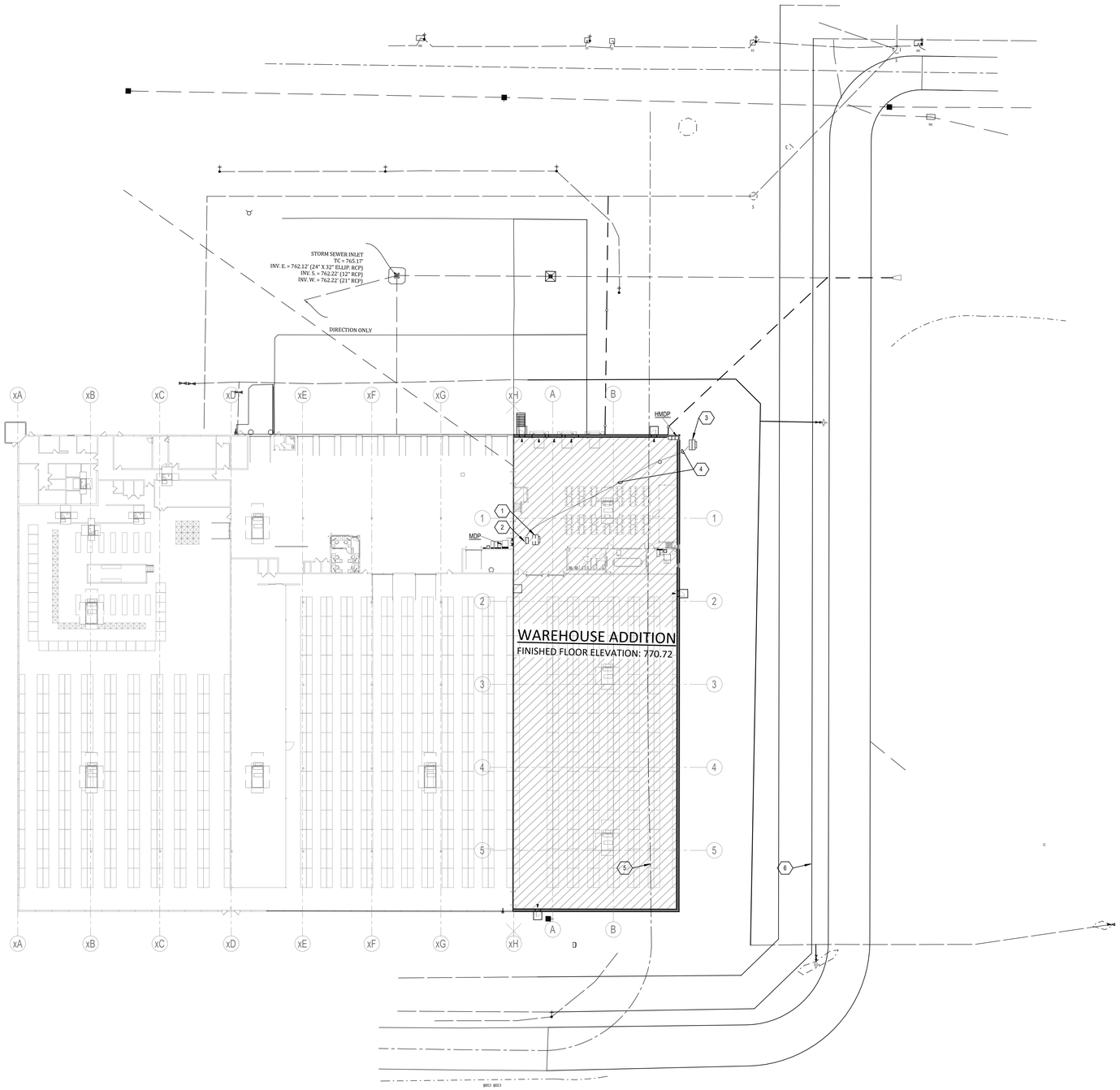
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Designed By: JSC
Drawn By: JSC
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DATE: 4/10/2026 1:47:03 PM

ELECTRICAL SYMBOLS AND ABBREVIATIONS

E001



SHEET KEYNOTES

1. APPROXIMATE LOCATION OF EXISTING PADMOUNT TRANSFORMER. ELECTRICAL CONTRACTOR SHALL COORDINATE RELOCATION OF EXISTING PADMOUNT TRANSFORMER WITH SITE ELECTRICAL CONTRACTOR.
2. SITE ELECTRICAL CONTRACTOR SHALL PROVIDE TEMPORARY IN-GRADE JUNCTION BOX SIMILAR TO QUAZITE #B10132418G, 24" X 13" X 18" WITH T8 ANSI RATED COVER. PRIOR TO RELOCATION OF EXISTING PADMOUNT TRANSFORMER EXPOSE EXISTING PRIMARY AND SECONDARY CONDUCTORS. PROVIDE TEMPORARY SECONDARY CONDUCTORS FROM NEW JUNCTION BOX TO NEW LOCATION OF PADMOUNT TRANSFORMER.
3. PROPOSED NEW LOCATION OF PAD MOUNT TRANSFORMER.
4. SITE CONTRACTOR SHALL PROVIDE TEMPORARY SECONDARY CONDUCTORS. SEE SHEET E701 FOR ADDITIONAL INFORMATION.
5. APPROXIMATE LOCATION OF EXISTING SECURITY SYSTEM CONTROL PANEL. DISCONNECT CONTROL PANEL FOR REMOVAL BY SECURITY CONTRACTOR. EXTEND BRANCH CIRCUIT TO LOCATION OF NEW CONTROL PANEL.
6. APPROXIMATE LOCATION OF NEW SECURITY SYSTEM CONTROL PANEL. VERIFY FINAL LOCATION IN FIELD WITH SECURITY SYSTEM CONTRACTOR PRIOR TO ROUGH-IN.

GENERAL SHEET NOTES

A. ALL EXISTING ELECTRICAL INSTALLATIONS ARE NOT NECESSARILY SHOWN. REMOVAL OF EXISTING INSTALLATIONS ARE SHOWN DASHED, OR TO BE RELOCATED AS PLAN NOTED. ANY EXISTING ITEMS REMAINING, WHICH DO NOT CONTRIBUTE TO THE COMPLETED OPERATIONAL FACILITY SHALL BE REMOVED.

B. CONTRACTORS SHALL SCHEDULE AND PERFORM ALL WORK SO AS TO MINIMIZE DISTURBANCE TO FACILITY OPERATION.

C. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR PATCHING AREAS OF FLOORS, WALLS, CEILING ROOFING, ETC.. AFTER REMOVAL OF EXISTING EQUIPMENT.

D. INDIVIDUAL SUBCONTRACTORS ARE RESPONSIBLE FOR REMOVING AND REINSTALLING FIXTURES, EQUIPMENT, ETC., THAT NORMALLY FALL WITHIN THEIR TRADES, AS REQUIRED TO INSTALL NEW ROOM FINISHES (FLOOR, WALLS, ETC.) IN AREAS WHERE FIXTURES, EQUIPMENT, ETC. ARE SHOWN TO REMAIN.

E. COORDINATE DEMOLITION OF EXISTING ELECTRICAL PANELS, CONTROL PANELS, AND CONTACTORS, WITH INSTALLATION OF NEW ELECTRICAL PANELS CONTROL PANELS, AND CONTACTORS SO THAT THERE IS A SEAMLESS TRANSFER.

F. DISPOSE OF ALL MATERIALS, REMOVED AND NOT REUSED, AS DIRECTED BY THE OWNER'S ENGINEER.

G. EXISTING ELECTRICAL EQUIPMENT THAT IS TO REMAIN SHALL BE PROTECTED DURING DEMOLITION OF OTHER ITEMS. ANY EQUIPMENT DAMAGED DURING CONSTRUCTION SHALL BE REPLACED AS REQUIRED.

H. CONTRACT DOCUMENTS CONSIST OF BOTH PROJECT MANUAL AND DRAWINGS AND BOTH ARE MEANT TO BE COMPLEMENTARY - ANYTHING APPEARING ON EITHER MUST BE EXECUTED THE SAME AS IF SHOWN ON BOTH.

I. CONTRACTOR SHALL THOROUGHLY EXAMINE THE WORK OF OTHER TRADES PRIOR TO SUBMITTING A BID PROPOSAL.

J. CONTRACTORS SHALL PROVIDE UPDATED CIRCUIT DIRECTORIES FOR EXISTING PANEL BOARDS IDENTIFYING THE PROPER LOADS FED BY THE CIRCUITS (NEW AND EXISTING) UPON COMPLETION OF THE WORK.

K. EXISTING ELECTRICAL EQUIPMENT TO BE "REMOVED COMPLETE" SHALL INCLUDE THE REMOVAL OF THE DEVICE OR EQUIPMENT, REMOVAL OF THE WIRING BACK TO THE SOURCE PANEL, REMOVAL OF ALL SURFACE MOUNTED AND EXPOSED CONDUIT, BOXES, ETC., FOR CONDUIT CONCEALED IN FLOOR, CUT OFF CONDUIT BELOW FINISHED FLOOR AND CAP WITH WATERTIGHT PLUG. FOR CONDUIT CONCEALED IN EXISTING WALL TO REMAIN, CUT CONDUIT OFF AT FIRST ACCESSIBLE LOCATION EXITING WALL AND CAP, INSTALL BLANK COVER PLATE ON ALL ABANDONED RECESSED BOXES.

L. WORK THIS DRAWING IN CONJUNCTION WITH ARCHITECTURAL DEMOLITION PLANS FOR ADDITIONAL ELECTRICAL WORK AFFECTED BY DEMOLITION.

M. REFER TO SHEET E001 FOR SYMBOLS AND ABBREVIATIONS.

N. SEE SHEETS E80X FOR ELECTRICAL SCHEDULES.

O. SEE SHEET E90X FOR ELECTRICAL DETAILS.

P. WIRING SYSTEM SHALL BE CONDUIT AND CONDUCTOR UNLESS NOTED OTHERWISE. MINIMUM CONDUCTOR SIZE FOR ALL SITE WORK SHALL BE #8 AWG. ALL CONDUCTORS FOR SITE WORK SHALL BE STRANDED.

Q. ALL WORK SHALL COMPLY WITH ALL NATIONAL, STATE AND LOCAL CODES AND ORDINANCES PERTAINING TO THE WORK IN THIS PROJECT.

R. ALL EXTERIOR EQUIPMENT AND DEVICES SHALL BE WEATHER PROOF AND RAIN TIGHT.

S. ALL WORK SHALL BE COORDINATED WITH SITE CONTRACTOR.

SWITCHING ORDER

THIS FACILITY SHALL REMAIN ENERGIZED THROUGHOUT CONSTRUCTION OF THE ADDITION. ANY OUTAGES, NECESSARY FOR CONSTRUCTION, MUST BE SCHEDULED WITH INDIANA DEPARTMENT OF CORRECTIONS A MINIMUM OF TWO WEEKS IN ADVANCE OF OUTAGE. ALL OUTAGES REQUIRED FOR CONSTRUCTION PURPOSES SHALL BE A MAXIMUM OF FOUR HOURS. ELECTRICAL CONTRACTOR SHALL PROVIDE A TEMPORARY GENERATOR FOR ANY OUTAGES IN EXCESS OF FOUR HOURS. TO FACILITATE THE MINIMUM NUMBER OF OUTAGES AT THE FACILITY THE FOLLOWING SCHEDULE OF WORK IS PROPOSED:

STEP 1:
- a. SITE ELECTRICAL CONTRACTOR SHALL INSPECT THE EXISTING PAD MOUNT TRANSFORMER. VERIFY THAT THIS IS NOT A FEED THROUGH TRANSFORMER. IF INSPECTION INDICATES THAT THIS IS A FEED THROUGH TRANSFORMER, NOTIFY THE ENGINEER IMMEDIATELY.
- b. FIELD MEASURE EXISTING TRANSFORMER PAD FOR SIZE AND LOCATION OF WINDOWS.

STEP 2:
- a. SITE ELECTRICAL CONTRACTOR SHALL POUR A NEW PAD MOUNT TRANSFORMER PAD FOR THE RELOCATION OF THE EXISTING PAD MOUNT TRANSFORMER.
- b. SITE ELECTRICAL CONTRACTOR SHALL HYDROVAC THE EXISTING SECONDARY SERVICE LATERAL BETWEEN THE EXISTING PAD MOUNT TRANSFORMER LOCATION AND THE BUILDING.
- c. SITE ELECTRICAL CONTRACTOR SHALL INSTALL THE NEW TEMPORARY IN-GRADE JUNCTION BOX.
- d. SITE ELECTRICAL CONTRACTOR SHALL INSTALL NEW TEMPORARY SECONDARY SERVICE LATERAL FROM NEW LOCATION OF PAD MOUNT TRANSFORMER TO LOCATION OF TEMPORARY IN-GRADE JUNCTION BOX.
- e. SITE ELECTRICAL CONTRACTOR SHALL HYDROVAC THE EXISTING PRIMARY SERVICE LINES SERVING THE EXISTING PAD MOUNT TRANSFORMER. EXPOSE LINES SO THAT THERE IS ENOUGH SLACK TO REACH THE NEW TRANSFORMER PAD LOCATION.

STEP 3:
- a. SITE ELECTRICAL CONTRACTOR SHALL OPEN THE MCB ON EXISTING PANEL MDP.
- b. SITE ELECTRICAL CONTRACTOR SHALL DISCONNECT PRIMARY CONDUCTORS FROM EXISTING PAD MOUNT TRANSFORMER.
- c. SITE ELECTRICAL CONTRACTOR SHALL CHECK VOLTAGE ON SECONDARY LUGS OF PAD MOUNTED TRANSFORMER TO CONFIRM THAT TRANSFORMER IS NOT ENERGIZED.
- d. SITE ELECTRICAL CONTRACTOR SHALL DISCONNECT EXISTING SECONDARY CONDUCTORS FROM SECONDARY LUGS ON EXISTING PAD MOUNT TRANSFORMER.
- e. SITE ELECTRICAL CONTRACTOR SHALL RE-ROUTE EXISTING SECONDARY CONDUCTORS TO NEW TEMPORARY IN-GRADE JUNCTION BOX AND SPLICE TO TEMPORARY SECONDARY SERVICE LATERAL.
- f. SITE ELECTRICAL CONTRACTOR SHALL RELOCATE EXISTING PAD MOUNT TRANSFORMER TO NEW LOCATION.
- g. SITE ELECTRICAL CONTRACTOR SHALL CONNECT TEMPORARY SECONDARY SERVICE LATERAL TO SECONDARY LUGS OF RELOCATED PAD MOUNT TRANSFORMER.
- h. SITE ELECTRICAL CONTRACTOR SHALL ENERGIZE RELOCATED PAD MOUNT TRANSFORMER.
- i. SITE ELECTRICAL CONTRACTOR SHALL CLOSE MAIN CIRCUIT BREAKER ON PANEL MDP.

STEP 4:
- a. ELECTRICAL CONTRACTOR SHALL INSTALL PERMANENT SECONDARY SERVICE LATERAL FROM NEW PAD MOUNT TRANSFORMER TO NEW SWITCHBOARD HMDP.
- b. ELECTRICAL CONTRACTOR SHALL INSTALL FEEDER CIRCUIT FROM NEW HMDP TO EXISTING MDP.

STEP 5:
- a. ELECTRICAL CONTRACTOR SHALL OPEN THE MCB ON NEW PANEL MDP.
- b. SITE ELECTRICAL CONTRACTOR SHALL DISCONNECT PRIMARY CONDUCTORS FROM EXISTING PAD MOUNT TRANSFORMER.
- c. ELECTRICAL CONTRACTOR SHALL CHECK VOLTAGE ON SECONDARY LUGS OF PAD MOUNTED TRANSFORMER TO CONFIRM THAT TRANSFORMER IS NOT ENERGIZED.
- d. ELECTRICAL CONTRACTOR SHALL DISCONNECT EXISTING TEMPORARY SECONDARY CONDUCTORS FROM SECONDARY LUGS ON RELOCATED PAD MOUNT TRANSFORMER.
- e. ELECTRICAL CONTRACTOR SHALL CONNECT NEW SECONDARY SERVICE LATERAL TO SECONDARY LUGS OF RELOCATED PAD MOUNT TRANSFORMER.
- f. ELECTRICAL CONTRACTOR SHALL CONNECT NEW FEEDER CIRCUIT FROM NEW PANEL HMDP TO EXISTING MDP.
- g. SITE ELECTRICAL CONTRACTOR SHALL ENERGIZE RELOCATED PAD MOUNT TRANSFORMER.
- h. ELECTRICAL CONTRACTOR SHALL CLOSE MAIN CIRCUIT BREAKER ON PANEL HMDP.
- i. ELECTRICAL CONTRACTOR SHALL CLOSE MAIN CIRCUIT BREAKER ON PANEL MDP.

FIELD VERIFY

EXISTING ELECTRICAL EQUIPMENT WAS OBTAINED FROM SIMILAR BUILDING DRAWINGS AND CURSORY FIELD OBSERVATION, HOWEVER, ACTUAL "AS-BUILT" DRAWINGS WERE NOT AVAILABLE, CERTAIN INFORMATION CONCERNING THE LOCATION OF THE EXISTING ELECTRICAL WORK MUST BE VERIFIED IN THE FIELD TO DETERMINE THE EXACT LOCATIONS, DEPTH, SIZE, ETC. PRIOR TO STARTING CONSTRUCTION. ANY CONFLICT BETWEEN THESE PLANS AND THE ACTUAL CONDITIONS SHALL BE REPORTED IMMEDIATELY TO THE DESIGN TEAM FOR VERIFICATION AND/OR CORRECTION.

1 SITE PLAN - ELECTRICAL
1" = 30'-0"

0 15' 30' 60'

N

STUDIO VIEW ARCHITECTURE

THOMAS M. ROEDER JR. REGISTERED NO. 11100167 STATE OF INDIANA PROFESSIONAL ENGINEER

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SITE PLAN - ELECTRICAL

E101

GENERAL SHEET NOTES

A. SEE SHEET E001 FOR SYMBOLS AND ABBREVIATIONS.

B. SEE SHEET(S) E90X FOR ELECTRICAL DETAILS.

C. SEE SHEET(S) E80X FOR ELECTRICAL SCHEDULES.

D. COORDINATE INSTALLATION OF LIGHT FIXTURES WITH ARCHITECTURAL REFLECTED CEILING PLANS, ARCHITECTURAL ELEVATIONS, MECHANICAL EQUIPMENT, DIFFUSERS, SUPPORTS, PIPING, DUCTWORK, AND STRUCTURAL PLANS PRIOR TO ROUGH-IN OF FIXTURES.

E. LOCATE CEILING MOUNTED OCCUPANCY SENSORS TO PROVIDE COMPLETE AREA OF COVERAGE OF SPACE CONTROLLED. SELECT PROPER SENSOR COVERAGE PATTERN FROM MANUFACTURERS PRODUCT DATA. ADDITIONAL SENSORS REQUIRED DUE TO LACK OF COVERAGE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND MANUFACTURER. SENSORS SHALL INCLUDE ALL POWER SUPPLIES AND RELAYS NECESSARY FOR PROPER OPERATION.

F. ALL WORK SHALL COMPLY WITH NATIONAL, STATE, AND LOCAL CODES AND ORDINANCES.

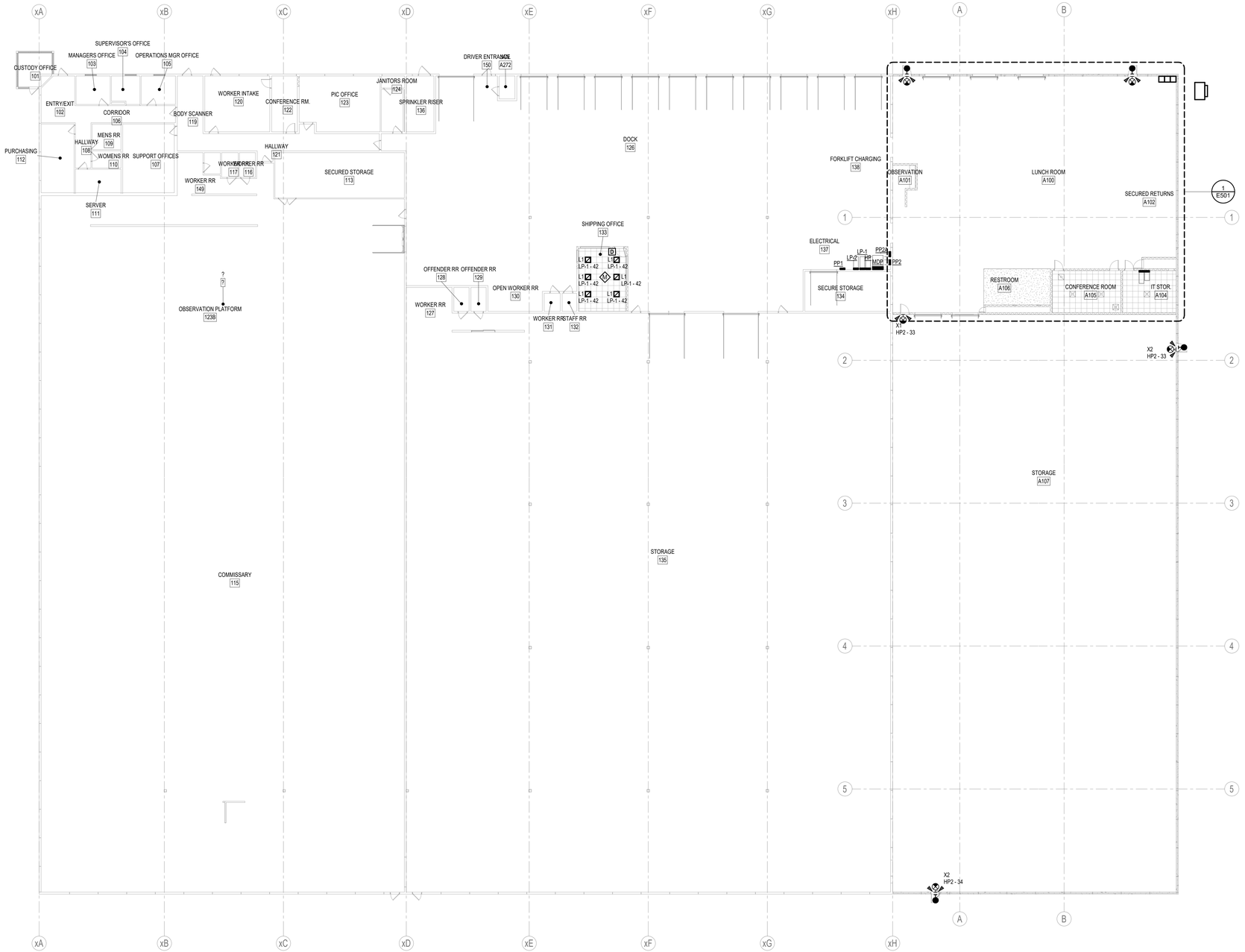
G. EMERGENCY LIGHTING SHOWN ON THIS DRAWING INDICATES CODE REQUIRED EMERGENCY LIGHTING.

H. EXPOSED CONDUIT SHALL BE RUN PARALLEL TO AND AT RIGHT ANGLES TO BUILDING LINES.

I. WIRING SYSTEM SHALL BE CONDUIT AND CONDUCTOR UNLESS NOTED OTHERWISE. USE SOLID CONDUCTOR #10 AWG AND SMALLER. USE STRANDED CONDUCTOR FOR LARGER DEVICES.

J. ALL COVER PLATES FOR DEVICES SHALL BE STAINLESS STEEL.

SHEET KEYNOTES



1 FIRST FLOOR PLAN - LIGHTING
1/16" = 1'-0"

FIELD VERIFY

EXISTING ELECTRICAL EQUIPMENT WAS OBTAINED FROM SIMILAR BUILDING DRAWINGS AND CURSORY FIELD OBSERVATION, HOWEVER, ACTUAL "AS-BUILT" DRAWINGS WERE NOT AVAILABLE, CERTAIN INFORMATION CONCERNING THE LOCATION OF THE EXISTING ELECTRICAL WORK MUST BE VERIFIED IN THE FIELD TO DETERMINE THE EXACT LOCATIONS, DEPTH, SIZE, ETC. PRIOR TO STARTING CONSTRUCTION. ANY CONFLICT BETWEEN THESE PLANS AND THE ACTUAL CONDITIONS SHALL BE REPORTED IMMEDIATELY TO THE DESIGN TEAM FOR VERIFICATION AND/OR CORRECTION.

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FIRST FLOOR PLAN - LIGHTING

E201

GENERAL SHEET NOTES

A. SEE SHEET E001 FOR SYMBOLS AND ABBREVIATIONS.

B. SEE SHEET(S) E90X FOR ELECTRICAL DETAILS.

C. SEE SHEET(S) E80X FOR ELECTRICAL SCHEDULES.

D. COORDINATE INSTALLATION OF LIGHT FIXTURES WITH ARCHITECTURAL REFLECTED CEILING PLANS, ARCHITECTURAL ELEVATIONS, MECHANICAL EQUIPMENT, DIFFUSERS, SUPPORTS, PIPING, DUCTWORK, AND STRUCTURAL PLANS PRIOR TO ROUGH-IN OF FIXTURES.

E. LOCATE CEILING MOUNTED OCCUPANCY SENSORS TO PROVIDE COMPLETE AREA OF COVERAGE OF SPACE CONTROLLED. SELECT PROPER SENSOR COVERAGE PATTERN FROM MANUFACTURERS PRODUCT DATA. ADDITIONAL SENSORS REQUIRED DUE TO LACK OF COVERAGE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND MANUFACTURER. SENSORS SHALL INCLUDE ALL POWER SUPPLIES AND RELAYS NECESSARY FOR PROPER OPERATION.

F. ALL WORK SHALL COMPLY WITH NATIONAL, STATE, AND LOCAL CODES AND ORDINANCES.

G. EMERGENCY LIGHTING SHOWN ON THIS DRAWING INDICATES CODE REQUIRED EMERGENCY LIGHTING.

H. EXPOSED CONDUIT SHALL BE RUN PARALLEL TO AND AT RIGHT ANGLES TO BUILDING LINES.

I. WIRING SYSTEM SHALL BE CONDUIT AND CONDUCTOR UNLESS NOTED OTHERWISE. USE SOLID CONDUCTOR #10 AWG AND SMALLER. USE STRANDED CONDUCTOR FOR LARGER DEVICES.

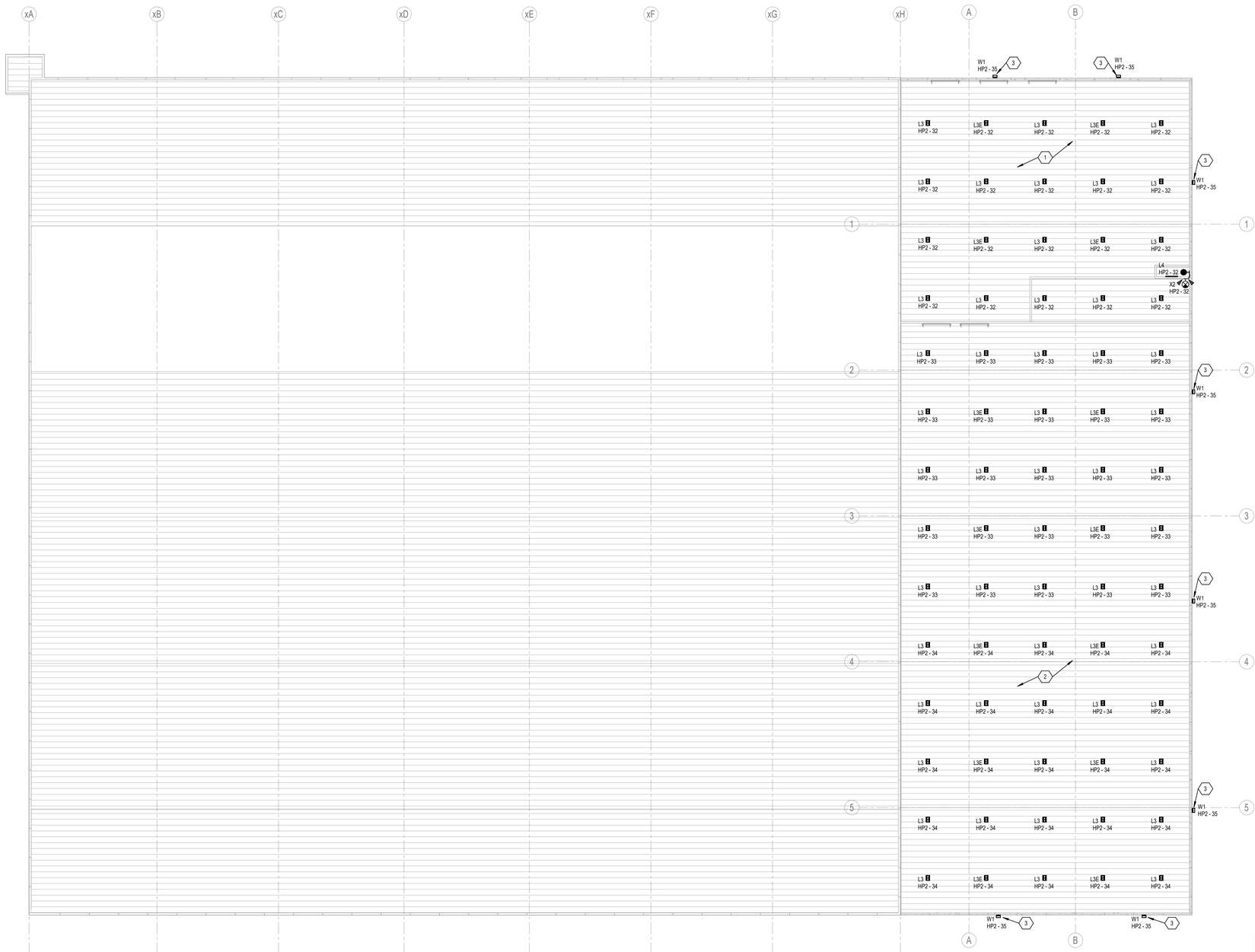
J. ALL COVER PLATES FOR DEVICES SHALL BE STAINLESS STEEL.

SHEET KEYNOTES

1 SEE SHEET KEYNOTE #1 ON SHEET E501 FOR HI-BAY LIGHTING OVERRIDE SWITCH.

2 SEE SHEET KEYNOTE #2 ON SHEET E501 FOR HI-BAY LIGHTING OVERRIDE SWITCH.

3 INSTALL NEW FIXTURE AT SAME HEIGHT AS EXISTING WALL PAK FIXTURES.



1 SECOND FLOOR PLAN - LIGHTING
1/16" = 1'-0"

N

0 4' 8' 16'

FIELD VERIFY

EXISTING ELECTRICAL EQUIPMENT WAS OBTAINED FROM SIMILAR BUILDING DRAWINGS AND CURSORY FIELD OBSERVATION, HOWEVER, ACTUAL "AS-BUILT" DRAWINGS WERE NOT AVAILABLE, CERTAIN INFORMATION CONCERNING THE LOCATION OF THE EXISTING ELECTRICAL WORK MUST BE VERIFIED IN THE FIELD TO DETERMINE THE EXACT LOCATIONS, DEPTH, SIZE, ETC. PRIOR TO STARTING CONSTRUCTION. ANY CONFLICT BETWEEN THESE PLANS AND THE ACTUAL CONDITIONS SHALL BE REPORTED IMMEDIATELY TO THE DESIGN TEAM FOR VERIFICATION AND/OR CORRECTION.

STUDIO VIEW ARCHITECTURE

THOMAS M. ROEDER JR. REGISTERED NO. 11100167 STATE OF INDIANA PROFESSIONAL ENGINEER

Design Partners:

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DEPARTMENT OF CORRECTIONS - PLAINFIELD

ICI WAREHOUSE EXPANSION

727 MOON RD. PLAINFIELD, IN 46168

#	Revision	Date

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32011091-2026-003
Designed By: JSC
Drawn By: JSC
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DATE: 4/10/2026 1:47:28 PM

SECOND FLOOR PLAN - LIGHTING

E202

FIELD VERIFY

EXISTING ELECTRICAL EQUIPMENT WAS OBTAINED FROM SIMILAR BUILDING DRAWINGS AND CURSORY FIELD OBSERVATION. HOWEVER, ACTUAL "AS-BUILT" DRAWINGS WERE NOT AVAILABLE, CERTAIN INFORMATION CONCERNING THE LOCATION OF THE EXISTING ELECTRICAL WORK MUST BE VERIFIED IN THE FIELD TO DETERMINE THE EXACT LOCATIONS, DEPTH, SIZE, ETC. PRIOR TO STARTING CONSTRUCTION. ANY CONFLICT BETWEEN THESE PLANS AND THE ACTUAL CONDITIONS SHALL BE REPORTED IMMEDIATELY TO THE DESIGN TEAM FOR VERIFICATION AND/OR CORRECTION.

SHEET KEYNOTES

1 HOME RUN TO HP-2 ON ROOF WITH (2) #10, #10 GROUND - 3/4" CONDUIT.

GENERAL SHEET NOTES

A. SEE SHEET E001 FOR SYMBOLS AND ABBREVIATIONS.

B. SEE SHEET(S) E80X FOR ELECTRICAL SCHEDULES.

C. SEE SHEET(S) E90X FOR ELECTRICAL DETAILS.

D. WIRING SYSTEM SHALL BE CONDUIT AND CONDUCTOR UNLESS NOTED OTHERWISE. USE SOLID CONDUCTOR FOR SIZE #10 AWG AND SMALLER. USE STRANDED CONDUCTOR FOR LARGER SIZES.

E. ALL WORK SHALL COMPLY WITH ALL NATIONAL, STATE AND LOCAL CODES AND ORDINANCES PERTAINING TO THE WORK IN THIS PROJECT.

F. EXPOSED CONDUIT SHALL BE RUN PARALLEL TO AND AT RIGHT ANGLES TO BUILDING LINES.

G. ALL EXTERIOR EQUIPMENT AND DEVICES SHALL BE WEATHER PROOF AND RAIN TIGHT.

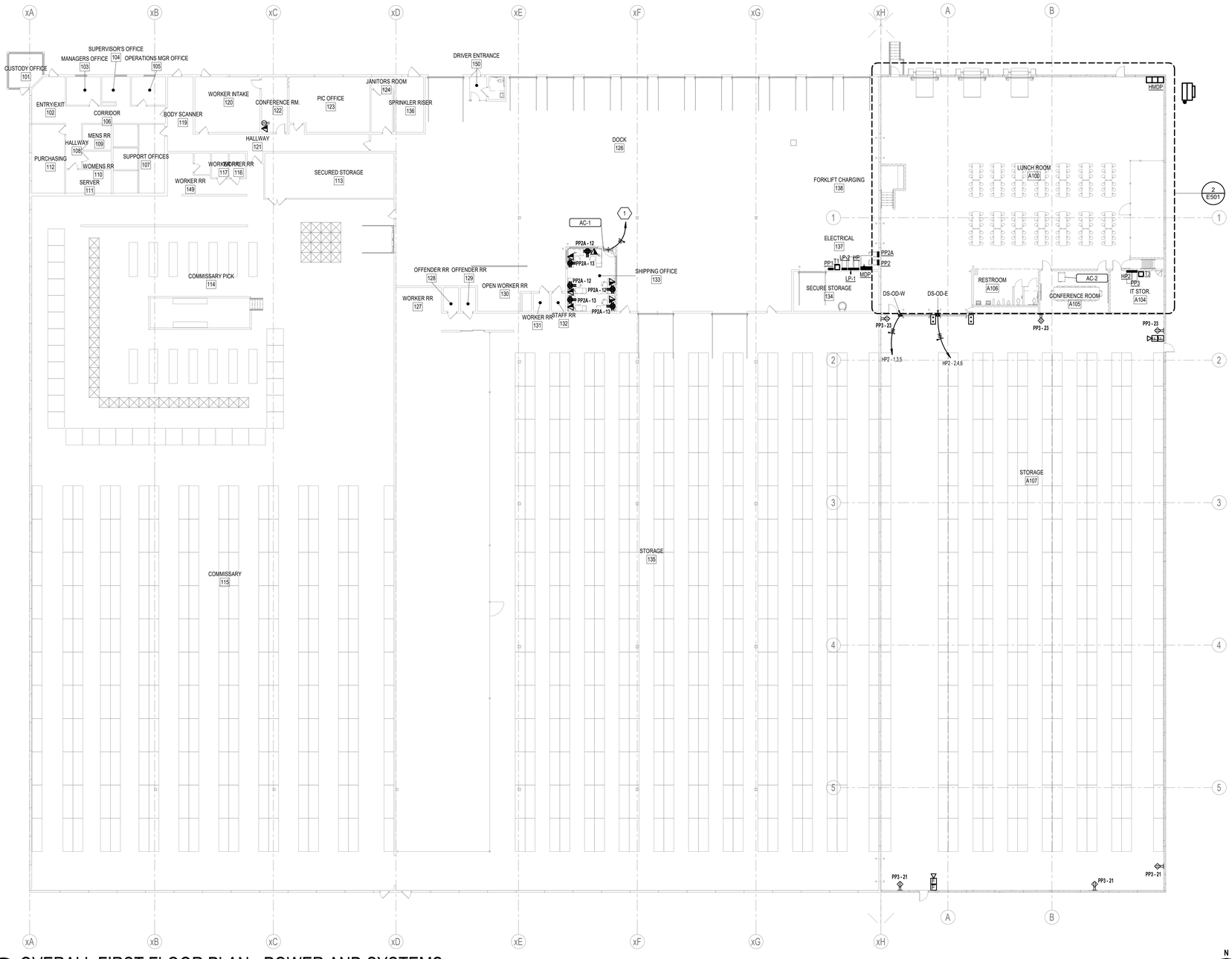
H. ALL COVER PLATES FOR ELECTRICAL DEVICES SHALL BE STAINLESS STEEL WITH GREY DEVICES.

I. REFER TO ARCHITECTURAL PLANS FOR DESIGNATION AND LISTING OF FIRE RATED ASSEMBLIES. COORDINATE ALL DESIGN EFFORTS WITH FIRE RESISTANCE OF MATERIALS AND CONSTRUCTION.

J. SEE FEEDER SCHEDULE ON SHEET E701.

K. REFERENCE SWITCHING ORDER FOR INSTALLATION OF NEW ELECTRICAL SERVICE AND DEMOLITION OF EXISTING ELECTRICAL SERVICE.

L. PROVIDE ALL LABOR AND MATERIAL REQUIRED TO EXPAND EXISTING FIRE ALARM SYSTEM AS SHOWN ON DRAWINGS.



1 OVERALL FIRST FLOOR PLAN - POWER AND SYSTEMS
1/16" = 1'-0"

STUDIO VIEW ARCHITECTURE

THOMAS M. ROEDER JR REGISTERED NO. 11100167 STATE OF INDIANA PROFESSIONAL ENGINEER

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DEPARTMENT OF CORRECTIONS - PLAINFIELD

ICI WAREHOUSE EXPANSION

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FIRST FLOOR PLAN - POWER AND SYSTEMS

E301

FIELD VERIFY

EXISTING ELECTRICAL EQUIPMENT WAS OBTAINED FROM SIMILAR BUILDING DRAWINGS AND CURSORY FIELD OBSERVATION, HOWEVER, ACTUAL "AS-BUILT" DRAWINGS WERE NOT AVAILABLE, CERTAIN INFORMATION CONCERNING THE LOCATION OF THE EXISTING ELECTRICAL WORK MUST BE VERIFIED IN THE FIELD TO DETERMINE THE EXACT LOCATIONS, DEPTH, SIZE, ETC. PRIOR TO STARTING CONSTRUCTION. ANY CONFLICT BETWEEN THESE PLANS AND THE ACTUAL CONDITIONS SHALL BE REPORTED IMMEDIATELY TO THE DESIGN TEAM FOR VERIFICATION AND/OR CORRECTION.

SHEET KEYNOTES

GENERAL SHEET NOTES

A. SEE SHEET E001 FOR SYMBOLS AND ABBREVIATIONS.

B. SEE SHEET(S) E80X FOR ELECTRICAL SCHEDULES.

C. SEE SHEET(S) E90X FOR ELECTRICAL DETAILS.

D. WIRING SYSTEM SHALL BE CONDUIT AND CONDUCTOR UNLESS NOTED OTHERWISE. USE SOLID CONDUCTOR FOR SIZE #10 AWG AND SMALLER. USE STRANDED CONDUCTOR FOR LARGER SIZES.

E. ALL WORK SHALL COMPLY WITH ALL NATIONAL, STATE AND LOCAL CODES AND ORDINANCES PERTAINING TO THE WORK IN THIS PROJECT.

F. EXPOSED CONDUIT SHALL BE RUN PARALLEL TO AND AT RIGHT ANGLES TO BUILDING LINES.

G. ALL EXTERIOR EQUIPMENT AND DEVICES SHALL BE WEATHER PROOF AND RAIN TIGHT.

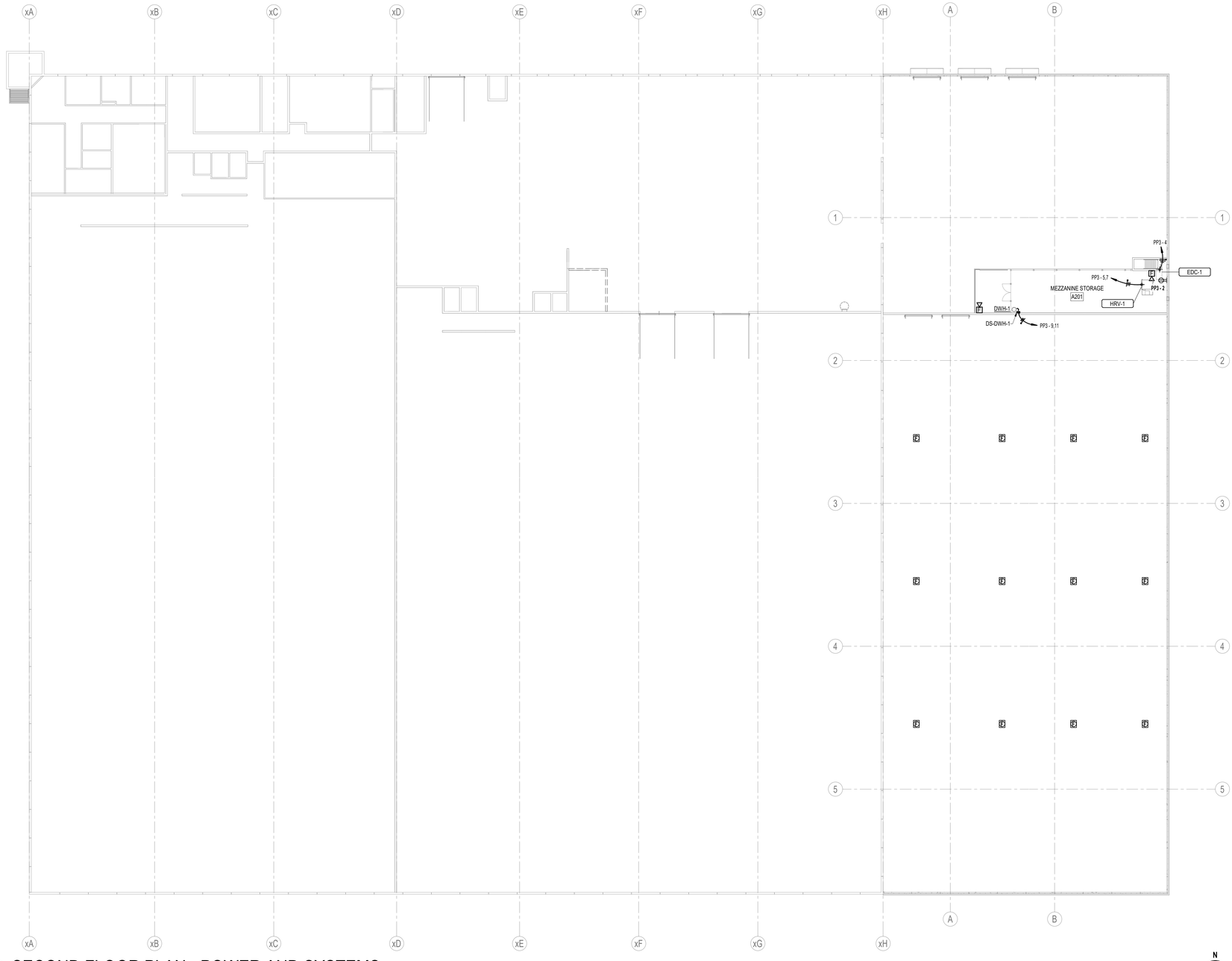
H. ALL COVER PLATES FOR ELECTRICAL DEVICES SHALL BE STAINLESS STEEL WITH GREY DEVICES.

I. REFER TO ARCHITECTURAL PLANS FOR DESIGNATION AND LISTING OF FIRE RATED ASSEMBLIES. COORDINATE ALL DESIGN EFFORTS WITH FIRE RESISTANCE OF MATERIALS AND CONSTRUCTION.

J. SEE FEEDER SCHEDULE ON SHEET E701.

K. REFERENCE SWITCHING ORDER FOR INSTALLATION OF NEW ELECTRICAL SERVICE AND DEMOLITION OF EXISTING ELECTRICAL SERVICE.

L. PROVIDE ALL LABOR AND MATERIAL REQUIRED TO EXPAND EXISTING FIRE ALARM SYSTEM AS SHOWN ON DRAWINGS.



1 SECOND FLOOR PLAN - POWER AND SYSTEMS
1/16" = 1'-0"

STUDIO VIEW ARCHITECTURE

THOMAS M. ROEDER JR. REGISTERED NO. 11100167 STATE OF INDIANA PROFESSIONAL ENGINEER

Design Partners:

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DEPARTMENT OF CORRECTIONS - PLAINFIELD

ICI WAREHOUSE EXPANSION

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SECOND FLOOR PLAN - POWER AND SYSTEMS

E302

FIELD VERIFY

EXISTING ELECTRICAL EQUIPMENT WAS OBTAINED FROM SIMILAR BUILDING DRAWINGS AND CURSORY FIELD OBSERVATION, HOWEVER, ACTUAL "AS-BUILT" DRAWINGS WERE NOT AVAILABLE. CERTAIN INFORMATION CONCERNING THE LOCATION OF THE EXISTING ELECTRICAL WORK MUST BE VERIFIED IN THE FIELD TO DETERMINE THE EXACT LOCATIONS, DEPTH, SIZE, ETC. PRIOR TO STARTING CONSTRUCTION. ANY CONFLICT BETWEEN THESE PLANS AND THE ACTUAL CONDITIONS SHALL BE REPORTED IMMEDIATELY TO THE DESIGN TEAM FOR VERIFICATION AND/OR CORRECTION.

SHEET KEYNOTES

GENERAL SHEET NOTES

A. SEE SHEET E001 FOR SYMBOLS AND ABBREVIATIONS.

B. SEE SHEET(S) E80X FOR ELECTRICAL SCHEDULES.

C. SEE SHEET(S) E90X FOR ELECTRICAL DETAILS.

D. WIRING SYSTEM SHALL BE CONDUIT AND CONDUCTOR UNLESS NOTED OTHERWISE. USE SOLID CONDUCTOR FOR SIZE #10 AWG AND SMALLER. USE STRANDED CONDUCTOR FOR LARGER SIZES.

E. ALL WORK SHALL COMPLY WITH ALL NATIONAL, STATE AND LOCAL CODES AND ORDINANCES PERTAINING TO THE WORK IN THIS PROJECT.

F. EXPOSED CONDUIT SHALL BE RUN PARALLEL TO AND AT RIGHT ANGLES TO BUILDING LINES.

G. ALL EXTERIOR EQUIPMENT AND DEVICES SHALL BE WEATHER PROOF AND RAIN TIGHT.

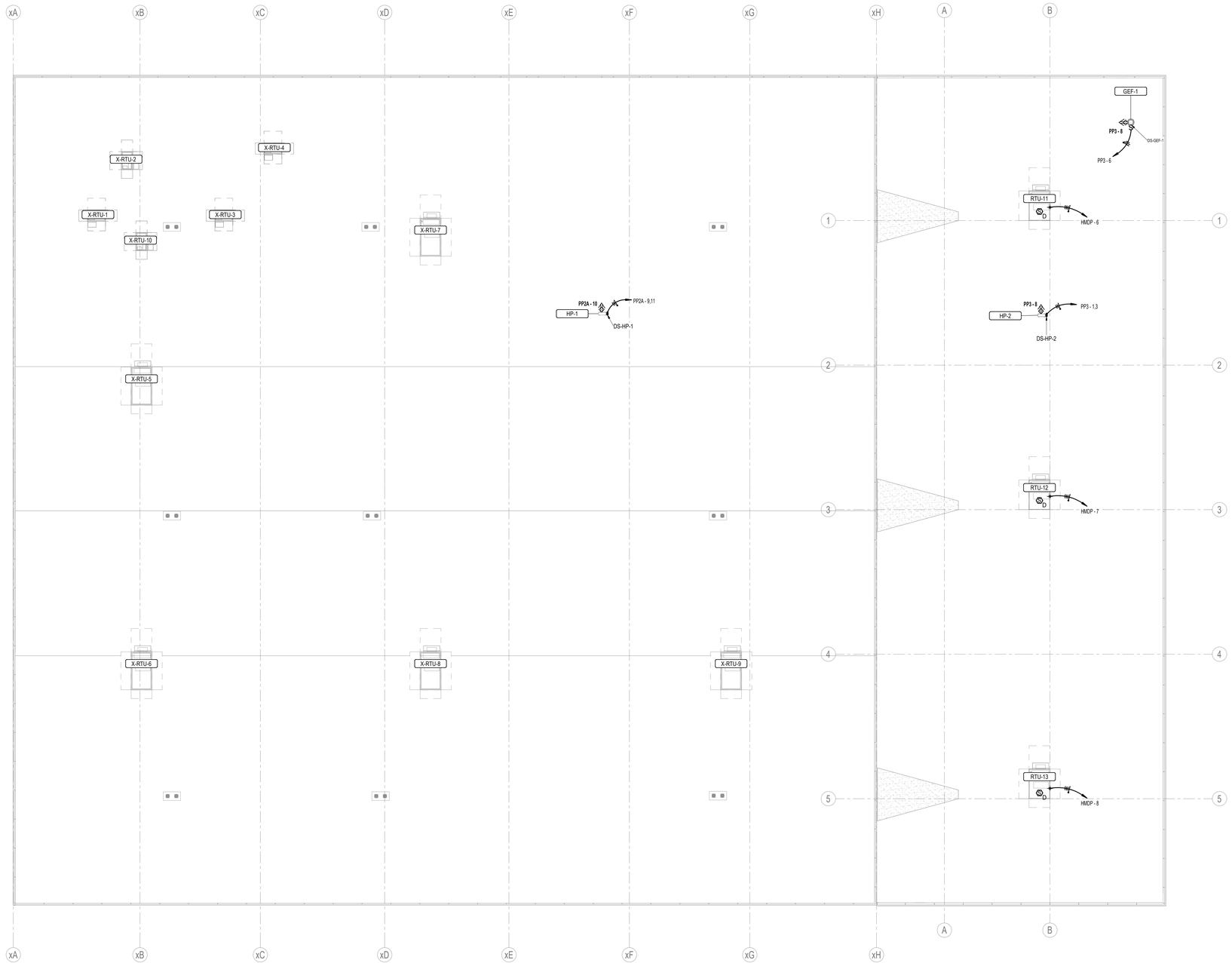
H. ALL COVER PLATES FOR ELECTRICAL DEVICES SHALL BE STAINLESS STEEL WITH GREY DEVICES.

I. REFER TO ARCHITECTURAL PLANS FOR DESIGNATION AND LISTING OF FIRE RATED ASSEMBLIES. COORDINATE ALL DESIGN EFFORTS WITH FIRE RESISTANCE OF MATERIALS AND CONSTRUCTION.

J. SEE FEEDER SCHEDULE ON SHEET E701.

K. REFERENCE SWITCHING ORDER FOR INSTALLATION OF NEW ELECTRICAL SERVICE AND DEMOLITION OF EXISTING ELECTRICAL SERVICE.

L. PROVIDE ALL LABOR AND MATERIAL REQUIRED TO EXPAND EXISTING FIRE ALARM SYSTEM AS SHOWN ON DRAWINGS.



1 ROOF PLAN - ELECTRICAL
1/16" = 1'-0"

N

0 4' 8' 16'

STUDIO VIEW ARCHITECTURE

THOMAS M. ROEDER JR. REGISTERED NO. 11100167 STATE OF INDIANA PROFESSIONAL ENGINEER

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DEPARTMENT OF CORRECTIONS - PLAINFIELD

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DATE: 4/10/2026 1:47:56 PM

ROOF PLAN - ELECTRICAL

E303

GENERAL SHEET NOTES

A. SEE SHEET E001 FOR SYMBOLS AND ABBREVIATIONS.

B. SEE SHEET(S) E80X FOR ELECTRICAL SCHEDULES.

C. SEE SHEET(S) E90X FOR ELECTRICAL DETAILS.

D. WIRING SYSTEM SHALL BE CONDUIT AND CONDUCTOR UNLESS NOTED OTHERWISE. USE SOLID CONDUCTOR FOR SIZE #10 AWG AND SMALLER. USE STRANDED CONDUCTOR FOR LARGER SIZES.

E. ALL WORK SHALL COMPLY WITH ALL NATIONAL, STATE AND LOCAL CODES AND ORDINANCES PERTAINING TO THE WORK IN THIS PROJECT.

F. EXPOSED CONDUIT SHALL BE RUN PARALLEL TO AND AT RIGHT ANGLES TO BUILDING LINES.

G. ALL EXTERIOR EQUIPMENT AND DEVICES SHALL BE WEATHER PROOF AND RAIN TIGHT.

H. ALL COVER PLATES FOR ELECTRICAL DEVICES SHALL BE STAINLESS STEEL WITH GREY DEVICES.

I. REFER TO ARCHITECTURAL PLANS FOR DESIGNATION AND LISTING OF FIRE RATED ASSEMBLIES. COORDINATE ALL DESIGN EFFORTS WITH FIRE RESISTANCE OF MATERIALS AND CONSTRUCTION.

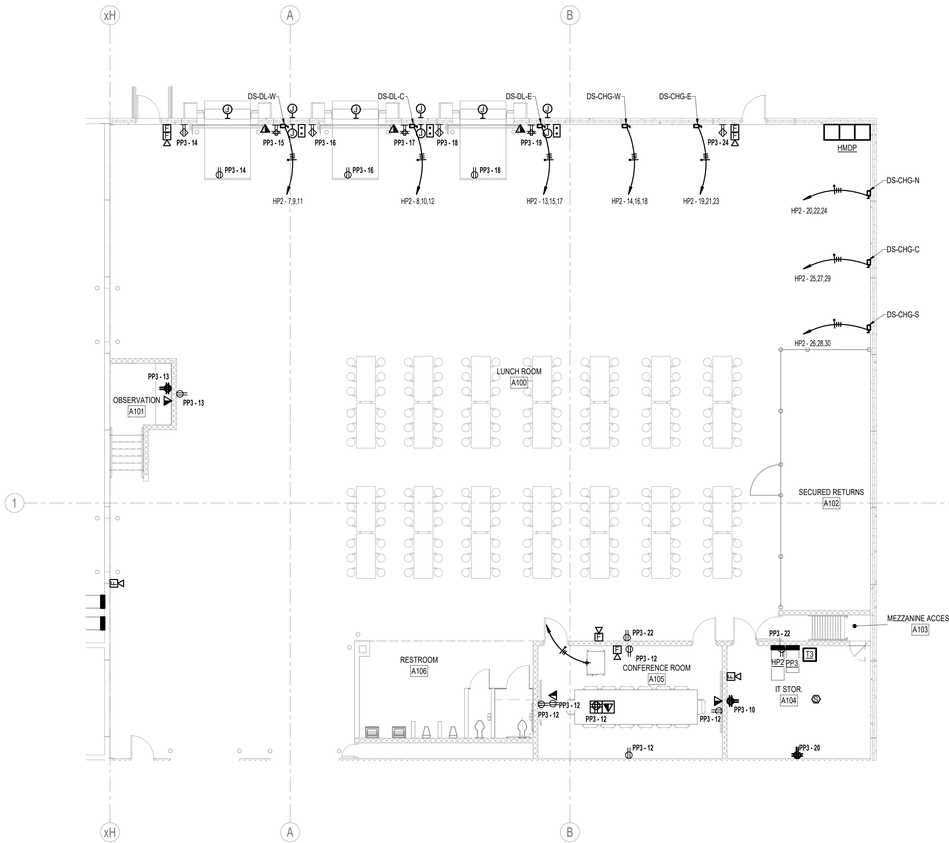
J. SEE FEEDER SCHEDULE ON SHEET E701.

K. REFERENCE SWITCHING ORDER FOR INSTALLATION OF NEW ELECTRICAL SERVICE AND DEMOLITION OF EXISTING ELECTRICAL SERVICE.

L. PROVIDE ALL LABOR AND MATERIAL REQUIRED TO EXPAND EXISTING FIRE ALARM SYSTEM AS SHOWN ON DRAWINGS.

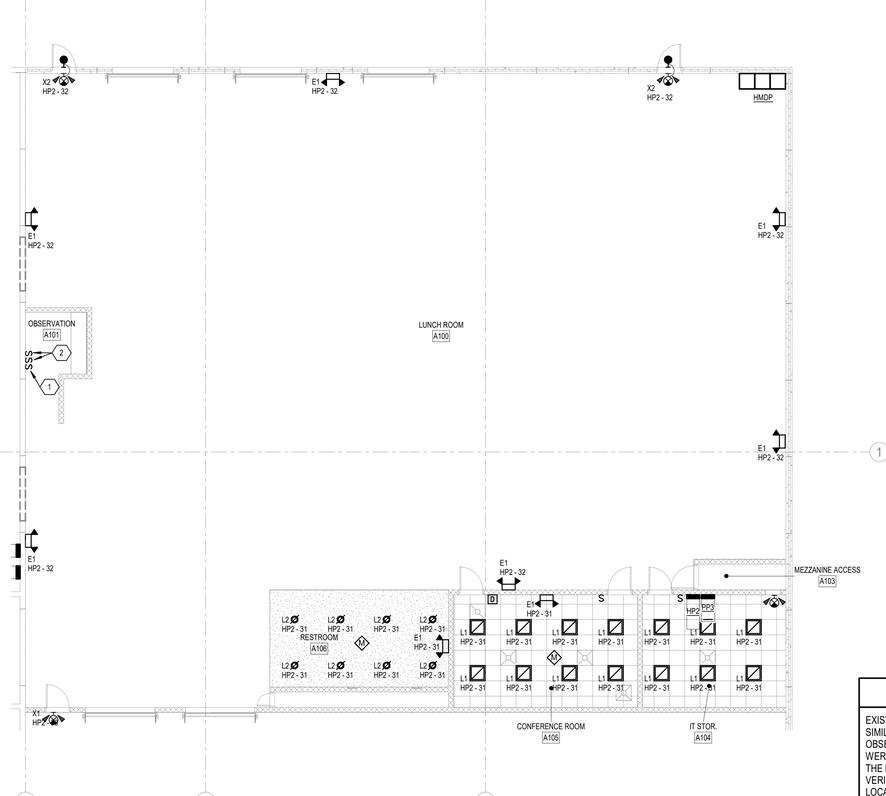
SHEET KEYNOTES

1. SEE SHEET KEYNOTE #1 ON SHEET E202 FOR HI-BAY LIGHTS CONTROLLED BY OVERRIDE SWITCH.
2. SEE SHEET KEYNOTE #2 ON SHEET E202 FOR HI-BAY LIGHTS CONTROLLED BY OVERRIDE SWITCH.



2 ENLARGED FIRST FLOOR PLAN - POWER AND SYSTEMS

1/8" = 1'-0"



1 ENLARGED FIRST FLOOR PLAN - LIGHTING

1/8" = 1'-0"

FIELD VERIFY

EXISTING ELECTRICAL EQUIPMENT WAS OBTAINED FROM SIMILAR BUILDING DRAWINGS AND CURSORY FIELD OBSERVATION, HOWEVER, ACTUAL "AS-BUILT" DRAWINGS WERE NOT AVAILABLE, CERTAIN INFORMATION CONCERNING THE LOCATION OF THE EXISTING ELECTRICAL WORK MUST BE VERIFIED IN THE FIELD TO DETERMINE THE EXACT LOCATIONS, DEPTH, SIZE, ETC. PRIOR TO STARTING CONSTRUCTION. ANY CONFLICT BETWEEN THESE PLANS AND THE ACTUAL CONDITIONS SHALL BE REPORTED IMMEDIATELY TO THE DESIGN TEAM FOR VERIFICATION AND/OR CORRECTION.

STUDIO VIEW ARCHITECTURE

THOMAS M. ROEDER JR. REGISTERED NO. 11100167 STATE OF INDIANA PROFESSIONAL ENGINEER

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DEPARTMENT OF CORRECTIONS - PLAINFIELD

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ENLARGED FLOOR PLANS - ELECTRICAL

E501

FEEDER SCHEDULE

(X)	AMPS	PARALLEL RUNS	CONDUCTOR		GROUND		CONDUIT SIZE	
			CU	AL	CU	AL	CU	AL
1	3000	8	500 kCMIL	750 kCMIL	500 kCMIL	750 kCMIL	4" EACH	4" EACH
2	2500	7	500 kCMIL	750 kCMIL	350 kCMIL	500 kCMIL	4" EACH	4" EACH
3	2000	6	500 kCMIL	750 kCMIL	250 kCMIL	350 kCMIL	4" EACH	4" EACH
4	1800	5	500 kCMIL	750 kCMIL	250 kCMIL	350 kCMIL	4" EACH	4" EACH
5	1600	5	500 kCMIL	750 kCMIL	#4/0	350 kCMIL	4" EACH	4" EACH
6	1200	4	500 kCMIL	750 kCMIL	#3/0	250 kCMIL	4" EACH	4" EACH
7	1000	3	500 kCMIL	750 kCMIL	#2/0	#4/0	4" EACH	4" EACH
8	900	3	350 kCMIL	500 kCMIL	#2/0	#4/0	4" EACH	4" EACH
9	800	2	500 kCMIL	750 kCMIL	#1/0	#3/0	4" EACH	4" EACH
10	600	2	350 kCMIL	500 kCMIL	#1	#2/0	4" EACH	4" EACH
11	500	2	250 kCMIL	350 kCMIL	#2	#1/0	4" EACH	4" EACH
12	400	-	500 kCMIL	750 kCMIL	#3	#1	4"	4"
13	350	-	400 kCMIL	750 kCMIL	#3	#1	3-1/2"	3-1/2"
14	300	-	350 kCMIL	500 kCMIL	#4	#2	3"	3"
15	250	-	250 kCMIL	350 kCMIL	#4	#2	3"	3"
16	225	-	#4/0	350 kCMIL	#4	#2	2-1/2"	2-1/2"
17	200	-	#3/0	250 kCMIL	#6	#4	2"	2"
18	175	-	#2/0	#4/0	#6	#4	2"	2"
19	150	-	#1/0	#3/0	#6	#4	2"	2"
20	125	-	#1	#2/0	#6	#4	2"	2"
21	110	-	#2	#1/0	#6	#4	1-1/2"	1-1/2"
22	100	-	#3	#1	#6	#6	1-1/4"	1-1/4"
23	80	-	#4	-	#8	-	1"	-
24	60	-	#6	-	#10	-	1"	-
25	50	-	#8	-	#10	-	3/4"	-
26	30	-	#10	-	#10	-	3/4"	-
27	20	-	#12	-	#12	-	3/4"	-

SWITCHING ORDER

THIS FACILITY SHALL REMAIN ENERGIZED THROUGHOUT CONSTRUCTION OF THE ADDITION. ANY OUTAGES, NECESSARY FOR CONSTRUCTION, MUST BE SCHEDULED WITH INDIANA DEPARTMENT OF CORRECTIONS A MINIMUM OF TWO WEEKS IN ADVANCE OF OUTAGE. ALL OUTAGES REQUIRED FOR CONSTRUCTION PURPOSES SHALL BE A MAXIMUM OF FOUR HOURS. ELECTRICAL CONTRACTOR SHALL PROVIDE A TEMPORARY GENERATOR FOR ANY OUTAGES IN EXCESS OF FOUR HOURS. TO FACILITATE THE MINIMUM NUMBER OF OUTAGES AT THE FACILITY THE FOLLOWING SCHEDULE OF WORK IS PROPOSED:

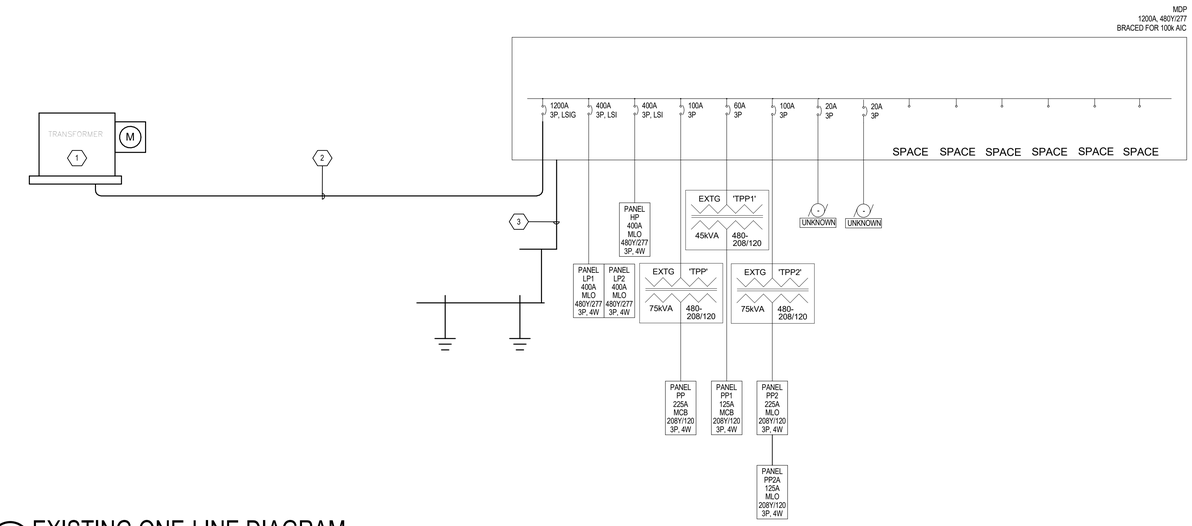
STEP 1:
- a. SITE ELECTRICAL CONTRACTOR SHALL INSPECT THE EXISTING PAD MOUNT TRANSFORMER. VERIFY THAT THIS IS NOT A FEED THROUGH TRANSFORMER. IF INSPECTION INDICATES THAT THIS IS A FEED THROUGH TRANSFORMER, NOTIFY THE ENGINEER IMMEDIATELY.
- b. FIELD MEASURE EXISTING TRANSFORMER PAD FOR SIZE AND LOCATION OF WINDOWS.

STEP 2:
- a. SITE ELECTRICAL CONTRACTOR SHALL POUR A NEW PAD MOUNT TRANSFORMER PAD FOR THE RELOCATION OF THE EXISTING PAD MOUNT TRANSFORMER.
- b. SITE ELECTRICAL CONTRACTOR SHALL HYDROVAC THE EXISTING SECONDARY SERVICE LATERAL BETWEEN THE EXISTING PAD MOUNT TRANSFORMER LOCATION AND THE BUILDING.
- c. SITE ELECTRICAL CONTRACTOR SHALL INSTALL THE NEW TEMPORARY IN-GRADE JUNCTION BOX.
- d. SITE ELECTRICAL CONTRACTOR SHALL INSTALL NEW TEMPORARY SECONDARY SERVICE LATERAL FROM NEW LOCATION OF PAD MOUNT TRANSFORMER TO LOCATION OF TEMPORARY IN-GRADE JUNCTION BOX.
- e. SITE ELECTRICAL CONTRACTOR SHALL HYDROVAC THE EXISTING PRIMARY SERVICE LINES SERVING THE EXISTING PAD MOUNT TRANSFORMER. EXPOSE LINES SO THAT THERE IS ENOUGH SLACK TO REACH THE NEW TRANSFORMER PAD LOCATION.

STEP 3:
- a. SITE ELECTRICAL CONTRACTOR SHALL OPEN THE MCB ON EXISTING PANEL MDP.
- b. SITE ELECTRICAL CONTRACTOR SHALL DISCONNECT PRIMARY CONDUCTORS FROM EXISTING PAD MOUNT TRANSFORMER.
- c. SITE ELECTRICAL CONTRACTOR SHALL CHECK VOLTAGE ON SECONDARY LUGS OF PAD MOUNTED TRANSFORMER TO CONFIRM THAT TRANSFORMER IS NOT ENERGIZED.
- d. SITE ELECTRICAL CONTRACTOR SHALL DISCONNECT EXISTING SECONDARY CONDUCTORS FROM SECONDARY LUGS ON EXISTING PAD MOUNT TRANSFORMER.
- e. SITE ELECTRICAL CONTRACTOR SHALL RE-ROUTE EXISTING SECONDARY CONDUCTORS TO NEW TEMPORARY IN-GRADE JUNCTION BOX AND SPLICE TO TEMPORARY SECONDARY SERVICE LATERAL.
- f. SITE ELECTRICAL CONTRACTOR SHALL RELOCATE EXISTING PAD MOUNT TRANSFORMER TO NEW LOCATION.
- g. SITE ELECTRICAL CONTRACTOR SHALL CONNECT TEMPORARY SECONDARY SERVICE LATERAL TO SECONDARY LUGS OF RELOCATED PAD MOUNT TRANSFORMER.
- h. SITE ELECTRICAL CONTRACTOR SHALL ENERGIZE RELOCATED PAD MOUNT TRANSFORMER.
- i. SITE ELECTRICAL CONTRACTOR SHALL CLOSE MAIN CIRCUIT BREAKER ON PANEL MDP.

STEP 4:
- a. ELECTRICAL CONTRACTOR SHALL INSTALL PERMANENT SECONDARY SERVICE LATERAL FROM NEW PAD MOUNT TRANSFORMER TO NEW SWITCHBOARD HMDP.
- b. ELECTRICAL CONTRACTOR SHALL INSTALL FEEDER CIRCUIT FROM NEW HMDP TO EXISTING MDP.

STEP 5:
- a. ELECTRICAL CONTRACTOR SHALL OPEN THE MCB ON NEW PANEL MDP.
- b. SITE ELECTRICAL CONTRACTOR SHALL DISCONNECT PRIMARY CONDUCTORS FROM EXISTING PAD MOUNT TRANSFORMER.
- c. ELECTRICAL CONTRACTOR SHALL CHECK VOLTAGE ON SECONDARY LUGS OF PAD MOUNTED TRANSFORMER TO CONFIRM THAT TRANSFORMER IS NOT ENERGIZED.
- d. ELECTRICAL CONTRACTOR SHALL DISCONNECT EXISTING TEMPORARY SECONDARY CONDUCTORS FROM SECONDARY LUGS ON RELOCATED PAD MOUNT TRANSFORMER.
- e. ELECTRICAL CONTRACTOR SHALL CONNECT NEW SECONDARY SERVICE LATERAL TO SECONDARY LUGS OF RELOCATED PAD MOUNT TRANSFORMER.
- f. ELECTRICAL CONTRACTOR SHALL CONNECT NEW FEEDER CIRCUIT FROM NEW PANEL HMDP TO EXISTING MDP.
- g. SITE ELECTRICAL CONTRACTOR SHALL ENERGIZE RELOCATED PAD MOUNT TRANSFORMER.
- h. ELECTRICAL CONTRACTOR SHALL CLOSE MAIN CIRCUIT BREAKER ON PANEL HMDP.
- i. ELECTRICAL CONTRACTOR SHALL CLOSE MAIN CIRCUIT BREAKER ON PANEL MDP.



1 EXISTING ONE-LINE DIAGRAM
NOT TO SCALE

2 REVISED ONE-LINE DIAGRAM
NOT TO SCALE

GENERAL SHEET NOTES

- A. SEE SHEET E001 FOR SYMBOLS AND ABBREVIATIONS.
- B. SEE SHEET(S) E80X FOR ELECTRICAL SCHEDULES.
- C. SEE SHEET(S) E90X FOR ELECTRICAL DETAILS.
- D. WIRING SYSTEM SHALL BE CONDUIT AND CONDUCTOR UNLESS NOTED OTHERWISE. USE SOLID CONDUCTOR FOR SIZE #10 AWG AND SMALLER. USE STRANDED CONDUCTOR FOR LARGER SIZES.
- E. ALL WORK SHALL COMPLY WITH ALL NATIONAL, STATE AND LOCAL CODES AND ORDINANCES PERTAINING TO THE WORK IN THIS PROJECT.
- F. EXPOSED CONDUIT SHALL BE RUN PARALLEL TO AND AT RIGHT ANGLES TO BUILDING LINES.
- G. ALL EXTERIOR EQUIPMENT AND DEVICES SHALL BE WEATHER PROOF AND RAIN TIGHT.
- H. ALL COVER PLATES FOR ELECTRICAL DEVICES SHALL BE STAINLESS STEEL WITH GREY DEVICES.
- I. REFER TO ARCHITECTURAL PLANS FOR DESIGNATION AND LISTING OF FIRE RATED ASSEMBLIES. COORDINATE ALL DESIGN EFFORTS WITH FIRE RESISTANCE OF MATERIALS AND CONSTRUCTION.
- J. SEE FEEDER SCHEDULE ON SHEET E701.
- K. REFERENCE SWITCHING ORDER FOR INSTALLATION OF NEW ELECTRICAL SERVICE AND DEMOLITION OF EXISTING ELECTRICAL SERVICE.
- L. PROVIDE ALL LABOR AND MATERIAL REQUIRED TO EXPAND EXISTING FIRE ALARM SYSTEM AS SHOWN ON DRAWINGS.

SHEET KEYNOTES

1. ELECTRICAL CONTRACTOR SHALL COORDINATE REMOVAL OF EXISTING PAD MOUNT TRANSFORMER WITH DUKE ENERGY. DUKE ENERGY CONTACT IS YARTO BLEAH, YARTO.BLEAH@DUKE-ENERGY.COM, 317-385-8175.
2. AFTER INSTALLATION OF NEW FEEDER CIRCUIT TO PANEL BOARD MDP, RETIRE EXISTING SECONDARY SERVICE LATERAL IN PLACE.
3. AFTER INSTALLATION OF NEW FEEDER CIRCUIT TO PANEL BOARD MDP, DISCONNECT ELECTRICAL GROUNDING CONDUCTOR FROM GROUNDING ELECTRODES AND RETIRE EXISTING GROUNDING ELECTRODES IN PLACE.
4. ELECTRICAL CONTRACTOR SHALL COORDINATE INSTALLATION OF NEW PAD MOUNT TRANSFORMER WITH DUKE ENERGY. DUKE ENERGY CONTACT IS YARTO BLEAH, YARTO.BLEAH@DUKE-ENERGY.COM, 317-385-8175.
5. SEE ELECTRICAL DETAILS FOR ADDITIONAL INFORMATION PERTAINING TO GROUNDING.

FIELD VERIFY

EXISTING ELECTRICAL EQUIPMENT WAS OBTAINED FROM SIMILAR BUILDING DRAWINGS AND CURSORY FIELD OBSERVATION, HOWEVER, ACTUAL "AS-BUILT" DRAWINGS WERE NOT AVAILABLE. CERTAIN INFORMATION CONCERNING THE LOCATION OF THE EXISTING ELECTRICAL WORK MUST BE VERIFIED IN THE FIELD TO DETERMINE THE EXACT LOCATIONS, DEPTH, SIZE, ETC. PRIOR TO STARTING CONSTRUCTION. ANY CONFLICT BETWEEN THESE PLANS AND THE ACTUAL CONDITIONS SHALL BE REPORTED IMMEDIATELY TO THE DESIGN TEAM FOR VERIFICATION AND/OR CORRECTION.

STUDIO VIEW ARCHITECTURE

THOMAS M. ROEDER JR. REGISTERED NO. 11100167 STATE OF INDIANA PROFESSIONAL ENGINEER

Design Partners:

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DEPARTMENT OF CORRECTIONS - PLAINFIELD

ICI WAREHOUSE EXPANSION

727 MOON RD. PLAINFIELD, IN 46168

#	Revision	Date

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Project Number: 32011091-2026-003
Designed By: JSC
Drawn By: JSC
Checked By: TMR
DATE: 4/10/2026 1:48:15 PM

POWER ONE-LINE DIAGRAM

E701

Branch Panel: HP2

Location: IT STOR. A104
Supply From: HMDP
Mounting: Surface
Enclosure: Type 1

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 24k
Mains Type: MLO
Mains Rating: 250 A
MCB Rating: 0 A

Notes:

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1	OVERHEAD DOOR - WEST	30 A	3	1.5 kVA	1.5 kVA		3	30 A	OVERHEAD DOOR - EAST	2
3	--	--	--		1.5 kVA	1.5 kVA	--	--	--	4
5	--	--	--			1.5 kVA	--	--	--	6
7	DOCK LEVELER - WEST	30 A	3	1.5 kVA	1.5 kVA		3	30 A	DOCK LEVELER - CENTER	8
9	--	--	--		1.5 kVA	1.5 kVA	--	--	--	10
11	--	--	--			1.5 kVA	--	--	--	12
13	DOCK LEVELER - EAST	30 A	3	1.5 kVA	1.5 kVA		3	30 A	CHARGING STATION - WEST	14
15	--	--	--		1.5 kVA	1.5 kVA	--	--	--	16
17	--	--	--			1.5 kVA	--	--	--	18
19	CHARGING STATION - EAST	30 A	3	1.5 kVA	1.5 kVA		3	30 A	CHARGING STATION - NORTH	20
21	--	--	--		1.5 kVA	1.5 kVA	--	--	--	22
23	--	--	--			1.5 kVA	--	--	--	24
25	CHARGING STATION - CENTER	30 A	3	1.5 kVA	1.5 kVA		3	30 A	CHARGING STATION - SOUTH	26
27	--	--	--		1.5 kVA	1.5 kVA	--	--	--	28
29	--	--	--			1.5 kVA	--	--	--	30
31	LIGHTING - INTERIOR	20 A	1	0.6 kVA	1.6 kVA		1	20 A	LIGHTING - INTERIOR	32
33	LIGHTING - INTERIOR	20 A	1		2.0 kVA	2.0 kVA	1	20 A	LIGHTING - INTERIOR	34
35	LIGHTING - EXTERIOR	20 A	1			0.9 kVA	0.0 kVA	1	20 A	Spare	36
37	Spare	20 A	1	0.0 kVA	0.0 kVA			1	20 A	Spare	38
39	Spare	20 A	1		0.0 kVA	0.0 kVA		1	20 A	Spare	40
41	Spare	20 A	1			0.0 kVA	0.0 kVA	1	20 A	Spare	42
		Total Load:		17.2 kVA	19.0 kVA	15.8 kVA				
		Total Amps:		63 A	69 A	57 A				

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	6.2 kVA	100.00%	6.2 kVA		
Lighting - Exterior	0.9 kVA	125.00%	1.1 kVA	**Total Conn. Load:**	52.1 kVA
Motor	9.0 kVA	112.50%	10.1 kVA	**Total Est. Demand:**	53.4 kVA
Power	36.0 kVA	100.00%	36.0 kVA	**Total Conn.:**	63 A
				Total Est. Demand:	64 A

Branch Panel: PP3

Location: IT STOR. A104
Supply From: T3
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating:
Mains Type: MCB
Mains Rating: 250 A
MCB Rating: 225 A

Notes:

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1	HP-2	45 A	2	2.7 kVA	0.2 kVA		1	20 A	Power	2
3	--	--	--		2.7 kVA	1.0 kVA	1	20 A	EDC-1	4
5	HRV-1	20 A	2			1.3 kVA	1.6 kVA	1	25 A	GEF-1	6
7	--	--	--	1.3 kVA	0.4 kVA			1	20 A	ROOF TOP REC'S	8
9	DHW-1	20 A	2		1.3 kVA	0.4 kVA		1	20 A	IT STOR. WEST QUAD	10
11	--	--	--			1.3 kVA	0.9 kVA	1	20 A	CONFERENCE ROOM A105 REC'S	12
13	OBSERVATION A101 REC'S	20 A	1	0.5 kVA	0.4 kVA			1	20 A	WEST DOCK REC'S	14
15	WEST DOCK QUAD	20 A	1		0.4 kVA	0.4 kVA		1	20 A	CENTER DOCK REC'S	16
17	CENTER DOCK QUAD	20 A	1			0.4 kVA	0.4 kVA	1	20 A	EAST DOCK REC'S	18
19	EAST DOCK QUAD	20 A	1	0.4 kVA	0.4 kVA			1	20 A	IT STOR. SOUGH QUAD	20
21	SOUTH WAREHOUSE REC'S	20 A	1		0.5 kVA	0.4 kVA		1	20 A	IT STOR. NORTH REC.	22
23	NORTH WAREHOUSE REC'S	20 A	1			0.5 kVA	0.2 kVA	1	20 A	LUNCH ROOM A100 NE REC	24
25	Spare	20 A	1	0.0 kVA	0.0 kVA			1	20 A	Spare	26
27	Spare	20 A	1		0.0 kVA	0.0 kVA		1	20 A	Spare	28
29	Spare	20 A	1			0.0 kVA	0.0 kVA	1	20 A	Spare	30
31	Spare	20 A	1	0.0 kVA	0.0 kVA			1	20 A	Spare	32
33	Spare	20 A	1		0.0 kVA	0.0 kVA		1	20 A	Spare	34
35	Spare	20 A	1			0.0 kVA	0.0 kVA	1	20 A	Spare	36
37	Spare	20 A	1	0.0 kVA	0.0 kVA			1	20 A	Spare	38
39	Spare	20 A	1		0.0 kVA	0.0 kVA		1	20 A	Spare	40
41	Spare	20 A	1			0.0 kVA	0.0 kVA	1	20 A	Spare	42
		Total Load:		6.1 kVA	6.9 kVA	6.4 kVA				
		Total Amps:		51 A	58 A	54 A				

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	10.4 kVA	100.00%	10.4 kVA		
Heating	1.0 kVA	100.00%	1.0 kVA	**Total Conn. Load:**	19.5 kVA
Motor	1.6 kVA	125.00%	2.0 kVA	**Total Est. Demand:**	19.9 kVA
Power	5.4 kVA	100.00%	5.4 kVA	**Total Conn.:**	54 A
Receptacle	1.1 kVA	100.00%	1.1 kVA	**Total Est. Demand:**	55 A
R	0.0 kVA	0.00%	0.0 kVA		

Branch Panel: PP2A

Location: ELECTRICAL 137
Supply From: PP2
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating:
Mains Type: MCB
Mains Rating: 100 A
MCB Rating: 0 A

Notes:

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1	CORD REEL	20 A	1	0.0 kVA	0.0 kVA		1	20 A	WAREHOUSE OFFICE REC'S	2
3	CORD REEL	20 A	1		0.0 kVA	0.0 kVA	1	20 A	WAREHOUSE OFFICE REC'S	4
5	CORD REEL	20 A	1			0.0 kVA	0.0 kVA	1	20 A	WAREHOUSE OFFICE REC'S	6
7	UPS	20 A	1	0.0 kVA	0.0 kVA			1	20 A	S WALL SINGLE REC	8
9	HP-1 *	25 A	2		1.3 kVA	0.2 kVA		1	20 A	ROOFTOP REC @HP-1	10
11	--	--	--			1.3 kVA	1.1 kVA	1	20 A	SHIPPING OFFICE 133 REC'S	12
13	SHIPPING OFFICE 133 REC'S	20 A	1	1.1 kVA	0.0 kVA			1	20 A	Spare	14
15	Spare	20 A	1		0.0 kVA	0.0 kVA		1	20 A	Spare	16
17	Spare	20 A	1			0.0 kVA	0.0 kVA	1	20 A	Spare	18
19	POWER WASHER	20 A	1	0.0 kVA	0.0 kVA			1	20 A	Spare	20
21	UNKNOWN LOAD	100 A	3		0.0 kVA	0.0 kVA		1	20 A	Spare	22
23	--	--	--			0.0 kVA	0.0 kVA	1	20 A	Spare	24
25	--	--	--	0.0 kVA	0.0 kVA			1	20 A	Spare	26
27	UNKNOWN LOAD	20 A	1		0.0 kVA	0.0 kVA		1	20 A	Spare	28
29	UNKNOWN LOAD	20 A	1			0.0 kVA	0.0 kVA	1	20 A	Spare	30
		Total Load:		1.1 kVA	1.4 kVA	2.3 kVA				
		Total Amps:		9 A	12 A	20 A				

Legend:

*** = NEW CIRCUIT BREAKER FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR**

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	2.5 kVA	100.00%	2.5 kVA		
Power	2.3 kVA	100.00%	2.3 kVA	**Total Conn. Load:**	4.8 kVA
				Total Est. Demand:	4.8 kVA
				Total Conn.:	13 A
				Total Est. Demand:	13 A

LIGHTING FIXTURE SCHEDULE

FIXTURE TYPE	MANUFACTURER	MODEL	WATTS	LUMENS	KELVIN	VOLTS	MOUNTING	DESCRIPTION
E1	LITHONIA CHLORIDE EMERGI-LITE	ELM6L-UVOLT-LTP-SDRT CLI2/A-W-2R G-12JSC40-2-L15-FM-ADNA	11	1100	-	277	WALL	EMERGENCY EGRESS LIGHT WITH INTEGRAL LITHIUM IRON PHOSPHATE BATTERY PACK, SELF TESTING DIAGNOSTICS
L1	LITHONIA DAY-BRITE LEDALITE	CPX-2X2-3200LMHE-80CRI-40K-SWL-MIN10-ZT-MVOLT	41	4700	4000	277	RECESSED GRID	2X2 LED FLAT PANEL FIXTURE
L2	LITHONIA LIGHTOLIER VANTAGE	LDN6-AL02-40K-L06-AR-LSS-MVOLT 6RN-ZERDL-20-940-W-S-WH-Z10 A6VECLED-2-20-40K-C801-SGC-MD-WHT-NCFAQ-ZDM	25	2000	4000	277	RECESSED	6 INCH RECESSED LED CAN LIGHT
L3	LITHONIA DAY-BRITE HARRIS	CPHB-12000-SEF-GCL-MD-MVOLT-GZ10-40K-80CRI-DHW-SSEPIRAKOP FHG-12L-840-UNV-M HHSL2-2-12L-UNV-FD-840-LAGR	87	12000	4000	277	PENDANT	LED HIGH BAY WITH INTEGRAL HIGH MOUNT OCCUPANCY SENSOR.
L3E	LITHONIA DAY-BRITE HARRIS	CPHB-12000-SEF-GCL-MD-MVOLT-GZ10-40K-80CRI-DHW-SSEPIRAKOP-IE20WCPHI FHG-12L-840-UNV-M HHSL2-2-12L-UNV-FD-840-LAGR	87	12000	4000	277	PENDANT	LED HIGH BAY WITH INTEGRAL HIGH MOUNT OCCUPANCY SENSOR AND IOTA 20W EMERGENCY BATTERY PACK
L4	LITHONIA DAY-BRITE ENVISION	ZL1D-L48-3000LM-FST-MVOLT-40K-80CRI-NLTAIR2RLSXR10-WH FSSEZ-4-40L-840-UNV-DIM-LSXR10 LED-RSCN-4FT-3P50-SCCT-BMS	30	3000	4000	277	SURFACE/WALL	4 FOOT LED STRIP FIXTURE WITH INTEGRAL OCCUPANCY SENSOR
W1	LITHONIA STONCO KEENE	TWR2-LED-ALO-SWW2-UVOLT-PE-DDBTXD WP-100-SCT-G2-10-BZ	112	16000	4000	277	WALL	LED WALL PACK WITH INTEGRAL PHOTOELECTRIC SWITCH
X1	LITHONIA CHLORIDE EMERGI-LITE	ECRG-RD-M6 VLTCR3R ELXN400-R-2SQL	2.0	-	-	277	UNIVERSAL	COMBINATION EXIT SIGN/EMERGENCY EGRESS LIGHT WITH THERMOPLASTIC HOUSING, HIGH OUTPUT NI-CAD BATTERY PACK, AND SELF TESTING DIAGNOSTICS.
X2	LITHONIA CHLORIDE EMERGI-LITE	ECRG-HO-RD-M6 WITH ERE-GY-T-WP-RD VLTCR3R WITH VLL2RGO ELXN400-R-2SQL-R WITH EF12D-LED	2.8	-	-	277	UNIVERSAL	COMBINATION EXIT SIGN/EMERGENCY EGRESS LIGHT WITH THERMOPLASTIC HOUSING, HIGH OUTPUT NI-CAD BATTERY PACK, AND SELF TESTING DIAGNOSTICS.

ELEC CONN TO MECH EQUIPMENT SCHEDULE

UNIT ID	FLA	HP	KW	MCA	VOLTS	PHASE	CKT BRKR	CONDUIT	WIRE	GRD	CONTROLLER	DISC SWITCH	CONNECTION TYPE	NOTES
DS-CHG-C					**480**	**3**	**30**	**3/4"**	**(3) #10**	**#10**	**-**	**30A-3P**	**DIRECT**	**1,9**
DS-CHG-E					**480**	**3**	**30**	**3/4"**	**(3) #10**	**#10**	**-**	**30A-3P**	**DIRECT**	**1,9**
DS-CHG-N					**480**	**3**	**30**	**3/4"**	**(3) #10**	**#10**	**-**	**30A-3P**	**DIRECT**	**1,9**
DS-CHG-S					**480**	**3**	**30**	**3/4"**	**(3) #10**	**#10**	**-**	**30A-3P**	**DIRECT**	**1,9**
DS-CHG-W					**480**	**3**	**30**	**3/4"**	**(3) #10**	**#10**	**-**	**30A-3P**	**DIRECT**	**1,9**
DS-DL-E					**480**	**3**	**30**	**3/4"**	**(3) #10**	**#10**	**-**	**30A-3P**	**DIRECT**	**1,9**
DS-DL-W					**480**	**3**	**30**	**3/4"**	**(3) #10**	**#10**	**-**	**30A-3P**	**DIRECT**	**1,9**
DS-DL-W					**480**	**3**	**30**	**3/4"**	**(3) #10**	**#10**	**-**	**30A-3P**	**DIRECT**	**1,9**
DS-DWH-1	**12 A**				**208**	**1**	**20**	**3/4"**	**(2) #12**	**#12**	**-**	**30A-2P**	**DIRECT**	**1**
DS-GEF-1	**13 A**			**16**	**120**	**1**	**25**	**3/4"**	**(2) #10**	**#10**	**-**	**25A-1P**	**DIRECT**	**1,2,7**
DS-HP-1				**13**	**208**	**1**	**25**	**3/4"**	**(2) #10**	**#10**	**-**	**30A-2P**	**DIRECT**	**1,2,7**
DS-HP-2				**25**	**208**	**1**	**45**	**3/4"**	**(2) #8**	**#10**	**-**	**60A-2P**	**DIRECT**	**1,2,7**
DS-OD-E					**480**	**3**	**30**	**3/4"**	**(3) #10**	**#10**	**-**	**30A-3P**	**DIRECT**	**1,8,9**
DS-OD-W					**480**	**3**	**30**	**3/4"**	**(3) #10**	**#10**	**-**	**30A-3P**	**DIRECT**	**1,8,9**
RTU-11				**55**	**480**	**3**	**70**	**1 1/4"**	**(3) #4**	**#8**	**-**	**-**	**DIRECT**	**1,6,10**
RTU-12				**55**	**480**	**3**	**70**	**1 1/4"**	**(3) #4**	**#8**	**-**	**-**	**DIRECT**	**1,6,10**
RTU-13				**55**	**480**	**3**	**70**	**1 1/4"**	**(3) #4**	**#8**	**-**	**-**	**DIRECT**	**1,6,10**

ELEC CONN TO MECH EQUIPMENT SCHEDULE NOTES:

1. INSTALL OVERCURRENT PROTECTION AND BRANCH CIRCUITS PER UL LISTED REQUIREMENTS FOR EQUIPMENT SERVED. REFER TO EQUIPMENT CUT SHEETS AND MANUFACTURER'S DATA FOR ROUGH-IN LOCATIONS OF ELECTRICAL CONNECTIONS AND INTERCONNECTIONS FOR ALL EQUIPMENT. PROVIDE DISCONNECT SWITCH (NON-FUSED, UNLESS NOTED OTHERWISE). COORDINATE EXACT NAMEPLATE DATA OF EQUIPMENT TO BE USED WITH DIVISION 15.
2. PROVIDE WP DEVICES (NEMA 3R RATING) IN ALL EXTERIOR OR DAMP LOCATIONS.
3. COORDINATE AND CONNECT DUCT SMOKE DETECTORS AND ASSOCIATED WIRING WHERE REQUIRED BY CODE.
4. MAGNETIC STARTER PROVIDED WITH EQUIPMENT.
5. PROVIDE MAGNETIC STARTER FOR CONTROL INTERFACE.
6. DISCONNECT PROVIDED WITH EQUIPMENT.
7. PROVIDE DUPLEX RECEPTACLE AT UNIT PER REQUIREMENT OF NEC 210-63. EXTEND AND CONNECT TO COMMON 120V BRANCH CIRCUIT.
8. PROVIDE CONDUIT FOR MANUFACTURER'S RECOMMENDED CONTROL CABLE FOR OVERHEAD DOOR PHOTO-ELECTRIC EYES. INSTALL PER MANUFACTURER'S RECOMMENDATION.
9. PROVIDE FUSED DISCONNECT SWITCH. FUSE PER MANUFACTURER'S RECOMMENDATION.
10. CONVENIENCE RECEPTACLE FURNISHED BY MANUFACTURER AND POWERED BY ROOFTOP EQUIPMENT.

Switchboard: HMDP

Location: DOCK A100.1
Supply From:
Mounting: SURFACE
Enclosure:

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating:
Mains Type:
Mains Rating:
MCB Rating: 1600 A

Notes:

CKT	Circuit Description	# of Poles	Frame Size	Trip Rating	Load	Remarks
1	MDP	3	1200 A	1200 A	613.5 kVA	
2	HP2	3	250 A	200 A	52.1 kVA	
3	Spare	3	250 A	200 A	0.0 kVA	
4	T3	3	100 A	100 A	19.5 kVA	
5	Spare	3	100 A	100 A	0.0 kVA	
6	RTU-11	3	100 A	70 A	45.7 kVA	
7	RTU-12	3	100 A	70 A	45.7 kVA	
8	RTU-13	3	100 A	70 A	45.7 kVA	
9	Spare	3	60 A	60 A	0.0 kVA	
10	TVSS	3	60 A	60 A	0.0 kVA	
11	Spare	3	60 A	30 A	0.0 kVA	
12	Spare	3	60 A	30 A	0.0 kVA	
13	Space	3	--	--	--	
14	Space	3	--	--	--	
				Total Conn. Load:	822.2 kVA	
				Total Amps:	989 A	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	147.5 kVA	100.00%	147.5 kVA		
Heating	1.0 kVA	100.00%	1.0 kVA	**Total Conn. Load:**	822.2 kVA
Lighting	6.2 kVA	100.00%	6.2 kVA	**Total Est. Demand:**	823.5 kVA
Lighting - Exterior	0.9 kVA	125.00%	1.1 kVA	**Total Conn.:**	989 A
Motor	10.6 kVA	110.61%	11.7 kVA	**Total Est. Demand:**	990 A
Power	654.9 kVA	100.00%	654.9 kVA		
Receptacle	1.1 kVA	100.00%	1.1 kVA		
R	0.0 kVA	0.00%	0.0 kVA		

Notes:

STUDIO VIEW ARCHITECTURE

THOMAS M. ROEDER JR. REGISTERED NO. 11100167 STATE OF INDIANA PROFESSIONAL ENGINEER

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DEPARTMENT OF CORRECTIONS - PLAINFIELD

ICI WAREHOUSE EXPANSION

727 MOON RD. PLAINFIELD, IN 46168

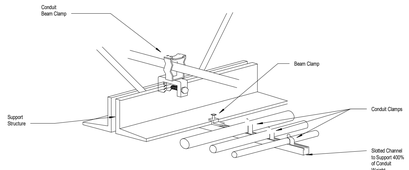
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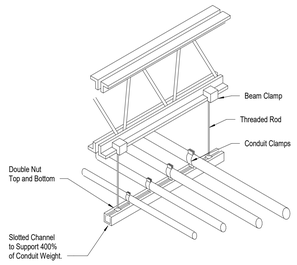
Project Number:
32011091-2026-003
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Checked By: TMR
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ELECTRICAL SCHEDULES

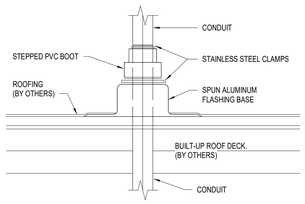
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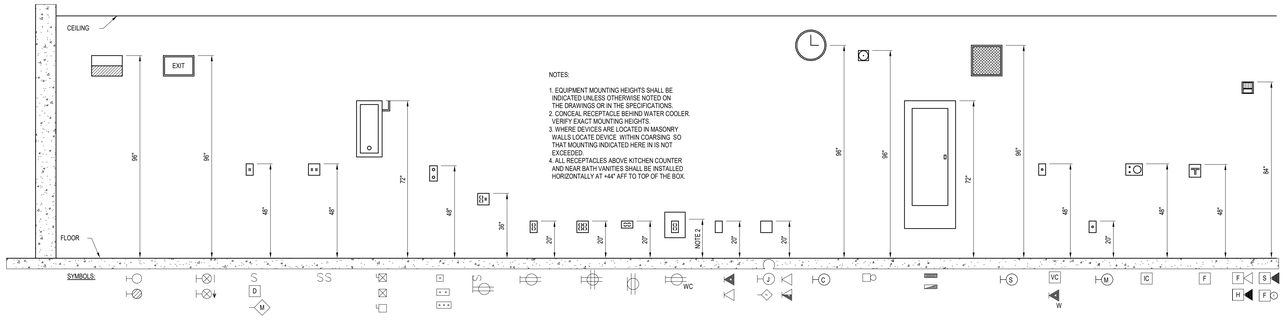
7 1.5" AND SMALLER CONDUIT SUPPORT DETAIL
NOT TO SCALE



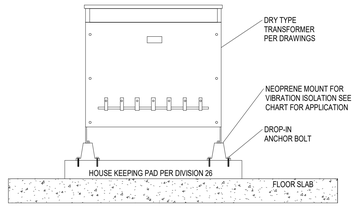
8 2IN AND LARGER CONDUIT SUPPORT
NOT TO SCALE



9 CONDUIT ROOF PENETRATION
NOT TO SCALE



1 ELECTRICAL ELEVATION
NOT TO SCALE

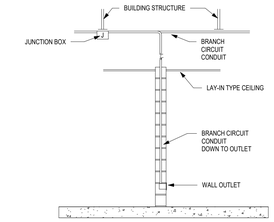


NOTES:

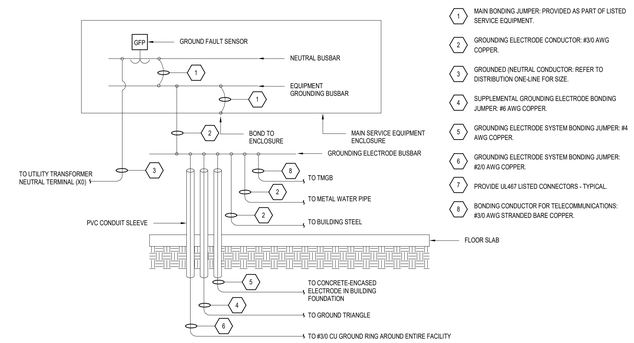
1. MASON INDUSTRIES PART NUMBERS ARE INDICATED AS A STANDARD. EQUAL PRODUCTS BY VIBRATION ELIMINATOR COMPANY, AMBER/BOOTH, KINETICS NOISE CONTROL.

TRANSFORMER RATING	APPROX. TX WEIGHT	QTY OF ISOLATORS	APPROX. WEIGHT ON ISOLATOR	MASON INDUSTRIES STYLES	BOLT DIA TO HOUSE KEEPING PAD
15	240	4	60	ND-A-RED	5/16"
30	300	4	75	ND-A-RED	5/16"
45	385	4	96	ND-A-RED	5/16"
75	600	4	150	ND-B-GREEN	5/16"
112.5	780	4	195	ND-B-WHITE	5/16"
150	1080	4	270	ND-C-RED	1/2"
225	1520	4	380	ND-C-WHITE	1/2"
300	1920	4	480	ND-C-WHITE	1/2"

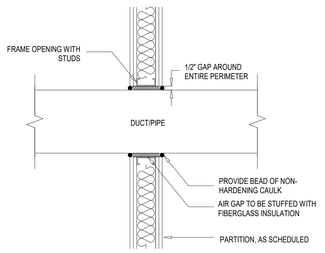
5 TX VIBRATION ISOLATION
NOT TO SCALE



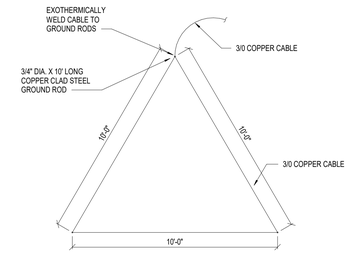
2 OVERHEAD FEED TO INTERIOR WALL DETAIL
NOT TO SCALE



3 SERVICE GROUNDING DETAIL
NOT TO SCALE



6 DUCT/PIPE PENETRATION DETAIL
NOT TO SCALE



4 GROUNDING ELECTRODE ARRANGEMENT
NOT TO SCALE

STUDIO VIEW ARCHITECTURE

THOMAS M. ROEDER JR
REGISTERED
NO.
11100167
STATE OF
INDIANA
PROFESSIONAL ENGINEER

Design Partners:

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1135 SHELBY STREET, INDIANAPOLIS, IN 46203
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100% CONSTRUCTION DOCUMENTS
DEPARTMENT OF CORRECTIONS - PLAINFIELD
ICI WAREHOUSE EXPANSION
727 MOON RD. PLAINFIELD, IN 46168

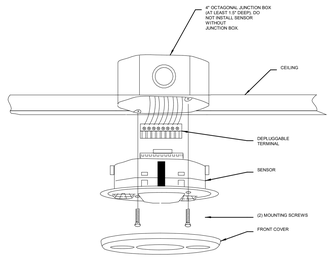
#	Revision	Date

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Project Number:
32011091-2026-003
Designed By: JSC
Drawn By: JSC
Checked By: TMR
DATE: 4/10/2026 1:48:30 PM

ELECTRICAL DETAILS

E901

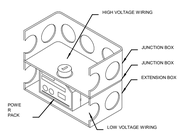


7 TYPICAL OCCUPANCY SENSOR MOUNTING DETAIL

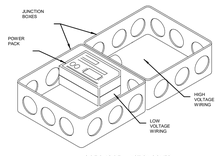
NOT TO SCALE

GENERAL NOTES:

A. DO NOT INSTALL POWER PACKS CLOSER THAN 6-12 INCHES FROM SENSOR. DO NOT INSTALL POWER PACKS WITHOUT JUNCTION BOXES.



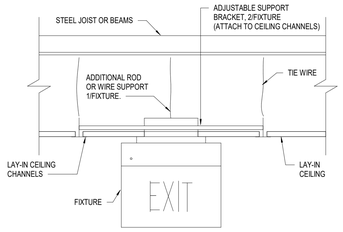
STACKED JUNCTION BOXES



SIDE BY SIDE JUNCTION BOXES

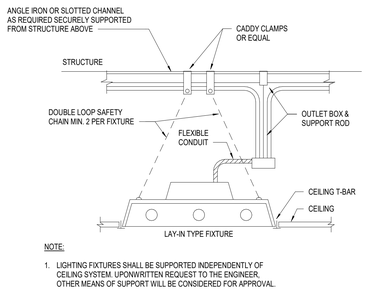
8 TYPICAL OCCUPANCY SENSOR POWER PACK MOUNTING DETAIL

NOT TO SCALE



9 LAY-IN CEILING EXIT SIGN MOUNTING

NOT TO SCALE

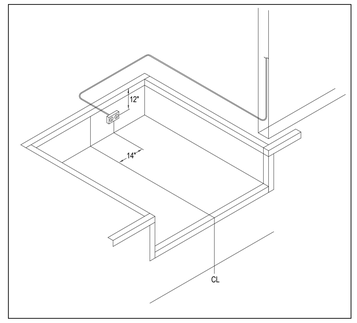


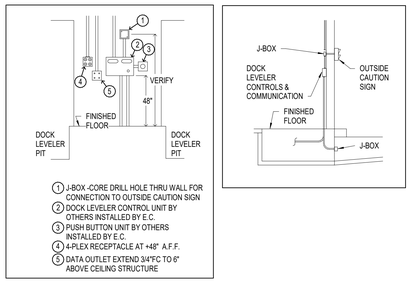
NOTE:

1. LIGHTING FIXTURES SHALL BE SUPPORTED INDEPENDENTLY OF CEILING SYSTEM. UPONWRITTEN REQUEST TO THE ENGINEER, OTHER MEANS OF SUPPORT WILL BE CONSIDERED FOR APPROVAL.

10 LAY-IN FIXTURE SUPPORT

NOT TO SCALE

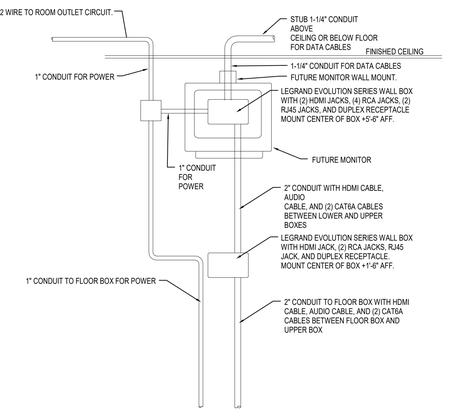




1. J-BOX -CORE DRILL HOLE THRU WALL FOR CONNECTION TO OUTSIDE CAUTION SIGN
2. DOCK LEVELER CONTROL UNIT BY OTHERS INSTALLED BY E.C.
3. PUSH BUTTON UNIT BY OTHERS INSTALLED BY E.C.
4. 4-PLEX RECEPTACLE AT +48" A.F.F.
5. DATA OUTLET EXTEND 3/4"FC TO 6" ABOVE CEILING STRUCTURE

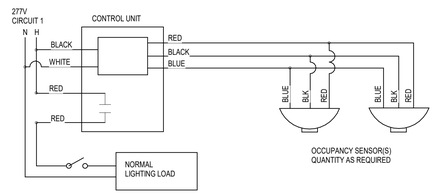
4 DOCK LEVELER DETAIL

NOT TO SCALE



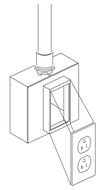
5 TV OUTLET DETAIL WITH LEGRAND BOXES AND FLOOR BOX

NOT TO SCALE



6 OCCUPANCY SENSOR DIAGRAM WITH OVERRIDE

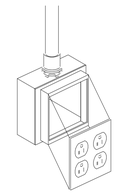
NOT TO SCALE



DUPLEX RECEPTACLE IN FLUSH MOUNTED 4" OR 4-11/16" SQUARE BOX WITH SINGLE-GANG PLASTER RING. MOUNT AT +20" AFF TO TOP.

1 FLUSH MOUNTED DUPLEX OUTLET

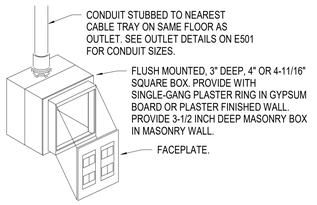
NOT TO SCALE



DOUBLE DUPLEX RECEPTACLE IN FLUSH MOUNTED 4" OR 4-11/16" SQUARE BOX WITH SINGLE-GANG PLASTER RING. MOUNT AT +20" AFF TO TOP.

2 FLUSH MOUNTED DOUBLE DUPLEX OUTLET

NOT TO SCALE



3 FLUSH MOUNTED SYSTEMS OUTLET

NOT TO SCALE

STUDIO VIEW ARCHITECTURE

THOMAS M. ROEDER JR. REGISTERED NO. 11100167 STATE OF INDIANA PROFESSIONAL ENGINEER

Design Partners:

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100% CONSTRUCTION DOCUMENTS

DEPARTMENT OF CORRECTIONS - PLAINFIELD

ICI WAREHOUSE EXPANSION

727 MOON RD. PLAINFIELD, IN 46168

#	Revision	Date

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DATE: 4/10/2026 1:48:38 PM

ELECTRICAL DETAILS

E902