



CONVEYOR WALKWAY
243 URBAN STREET
BUFFALO, NY 14211

CODE SUMMARY

CLASSIFICATION OF WORK	EXISTING BUILDING- INTERIOR RENOVATION 2020 BUILDING CODE OF NEW YORK STATE 2020 FIRE CODE OF NEW YORK STATE 2020 PLUMBING CODE OF NEW YORK STATE 2020 MECHANICAL CODE OF NEW YORK STATE 2020 FUEL GAS CODE OF NEW YORK STATE 2020 ENERGY CONSERVATION CODE OF NEW YORK STATE ANSI A117.1 (ICC-ANSI) 2009 ACCESSIBILITY CODE	
AUTHORITY HAVING JURISDICTION	CITY OF BUFFALO	
CHAPTER 3 USE and OCCUPANCY CLASSIFICATION	OCCUPANCY F1 MODERATE HAZARD FACTORY	
CHAPTER 6 TYPES OF CONSTRUCTION	TYPE IB - FULLY SPRINKLERED	
CHAPTER 8 INTERIOR FINISHES	CLASS 'C' MIN.	
CHAPTER 9 FIRE PROTECTION SYSTEMS	SPRINKLER SYSTEM PROVIDED FIRE ALARM & DETECTION PROVIDED EMERGENCY LIGHTING EMERGENCY LIGHTS & EXIT SIGNS PROVIDED	
CHAPTER 10 MEANS OF EGRESS	SEE EGRESS PLAN THIS SHEET	
OCCUPANT LOAD	INDUSTRIAL AREA: 100 GROSS AREA OF WORK: 357 SQ.FT OCCUPANT LOAD: (4) OCCUPANTS	
EGRESS	OTHER (1005.3.2) TOTAL OCC.	REQUIRED (4)(0.15' PER PERSON) =0.6' PROVIDED 36'
SPACES WITH ONE EXIT (1006.2.1)	COMMON PATH OF TRAVEL / EGRESS TRAVEL: MAX. ALLOWED 100' (W/ SPRINKLER) ACTUAL 39'-0"	
EXIT TRAVEL DISTANCE (TABLE 1017.2):	MAX. ALLOWED 250' (W/ SPRINKLER)	ACTUAL 39'-0"
CHAPTER 26 PLUMBING	MIN NUMBER OF PLUMBING FIXTURES (TABLE 2902.1) WATER CLOSETS: 1 PER 100 LAVATORIES: 1 PER 100 DRINKING FOUNTAIN: 1 PER 400 SERVICE SINK: 1 EXISTING (OUTSIDE AREA OF WORK)	
PROJECT DESCRIPTION	THIS PROJECT CONSISTS OF AN APPROXIMATELY 400 SF NON-COMBUSTIBLE SECOND STORY BUILDING CONNECTOR STRUCTURE. THE INTENT OF THE STRUCTURE IS TO HOUSE THE OWNER'S PROPOSED PRODUCT CONVEYANCE SYSTEM WITHIN THEIR EXISTING FACILITY. THE STRUCTURE WILL PROVIDE A CLEAN AND SANITARY ENVIRONMENT FOR THE PROPOSED CONVEYORS.	



OWNER
MILK BONE
243 URBAN STREET
BUFFALO, NY 14211

PROJECT
CONVEYOR WALKWAY
243 URBAN STREET
BUFFALO, NY 14211



CONTACT
ATSI, INC.
415 COMMERCE DRIVE
AMHERST, NY 14226

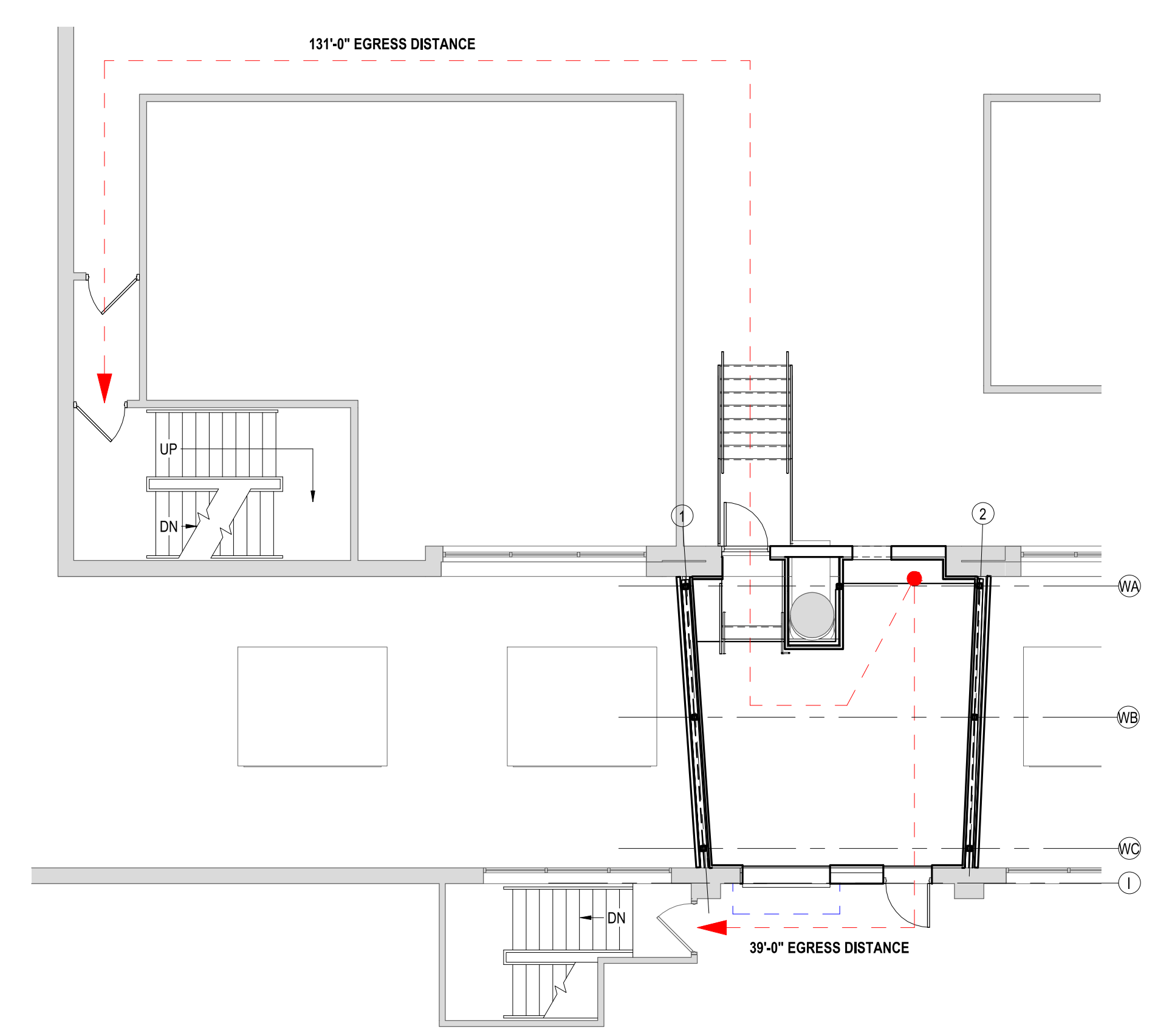


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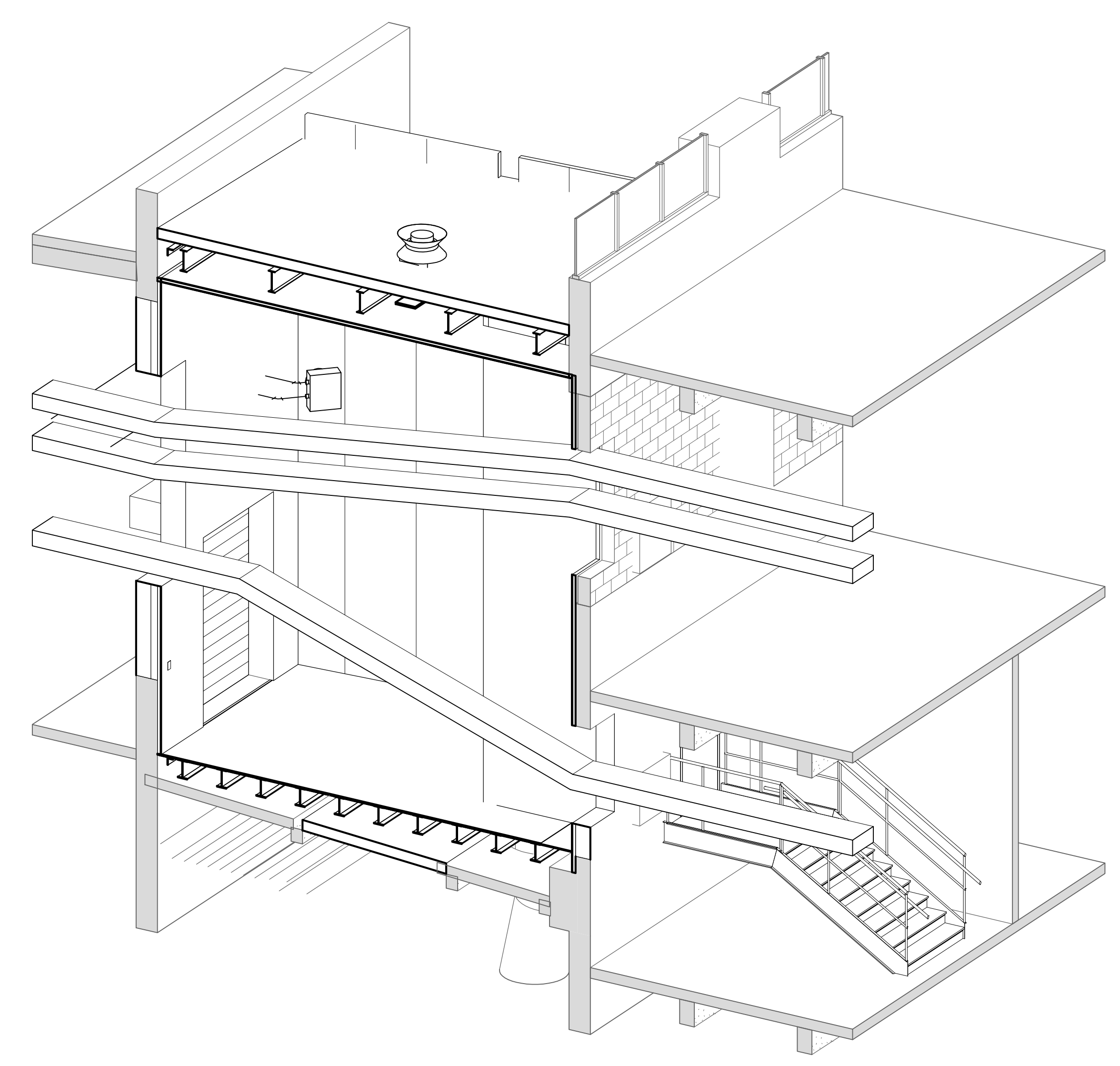
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	05/21/2021	ISSUED FOR BID

DRAWING INDEX

GENERAL	G1 COVER SHEET
STRUCTURAL	S1 FRAMING PLANS S2 FRAMING SECTIONS S3 CONNECTION DETAILS 1 S4 CONNECTION DETAILS 2 S5 NOTES
ARCHITECTURAL	A1 PLANS & SECTIONS A2 ROOF PLAN & DETAILS A3 STAIR DETAILS & DOOR SCHEDULE
MECHANICAL	M1 MECHANICAL PLAN, DETAILS & SPECIFICATIONS
FIRE PROTECTION	FP1 FIRE PROTECTION PLAN



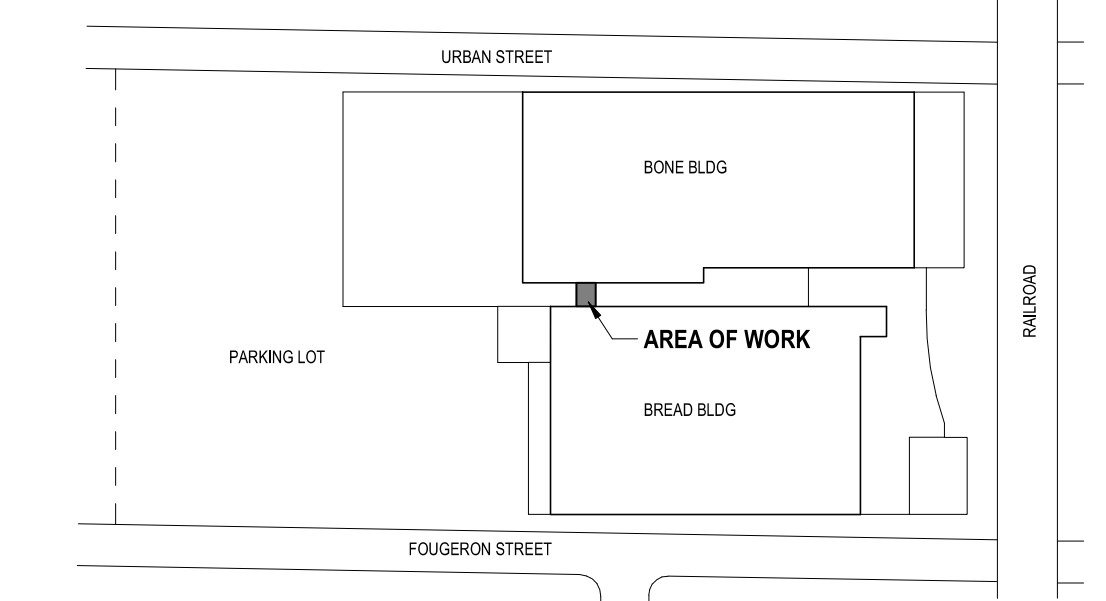
4 EGRESS PLAN
SCALE: 1/8" = 1'-0"



3 AXONOMETRIC
SCALE: N.T.S.



1 LOCATION PLAN
SCALE: 1/32" = 1'-0"



2 KEY PLAN
SCALE: N.T.S.

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SHEET TITLE
COVER SHEET

PROJECT NUMBER
2021-003
PLOT DATE
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SHEET
G1

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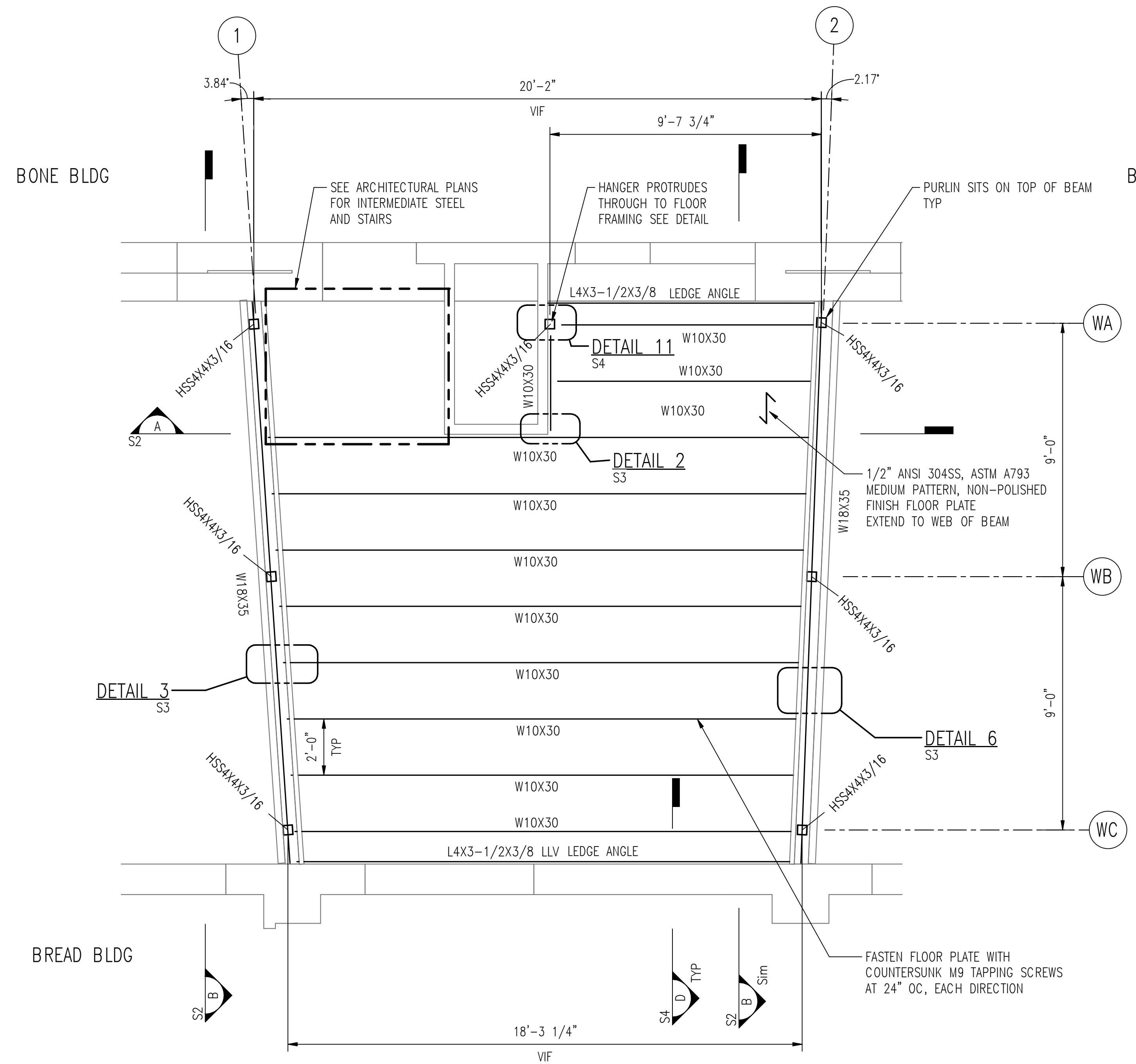
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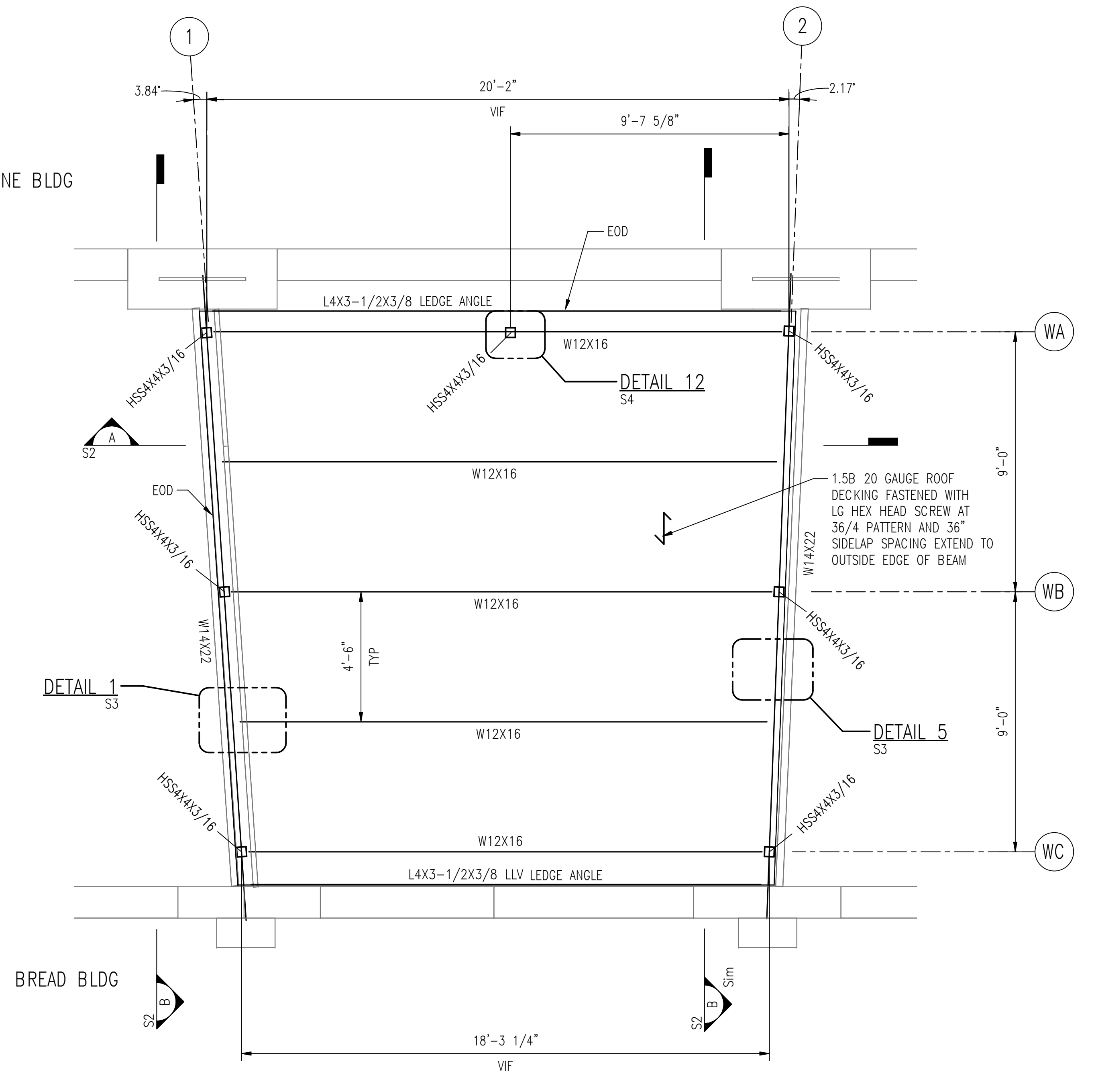
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SECOND FLOOR-BREAD PLAN
SCALE: 3/8" = 1'-0"
TOS = 19'-11 1/2"



ROOF PLAN
SCALE: 3/8" = 1'-0"
TOS = 44'-1 1/2"

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SHEET TITLE
FRAMING PLAN

PROJECT NUMBER
10021

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SHEET



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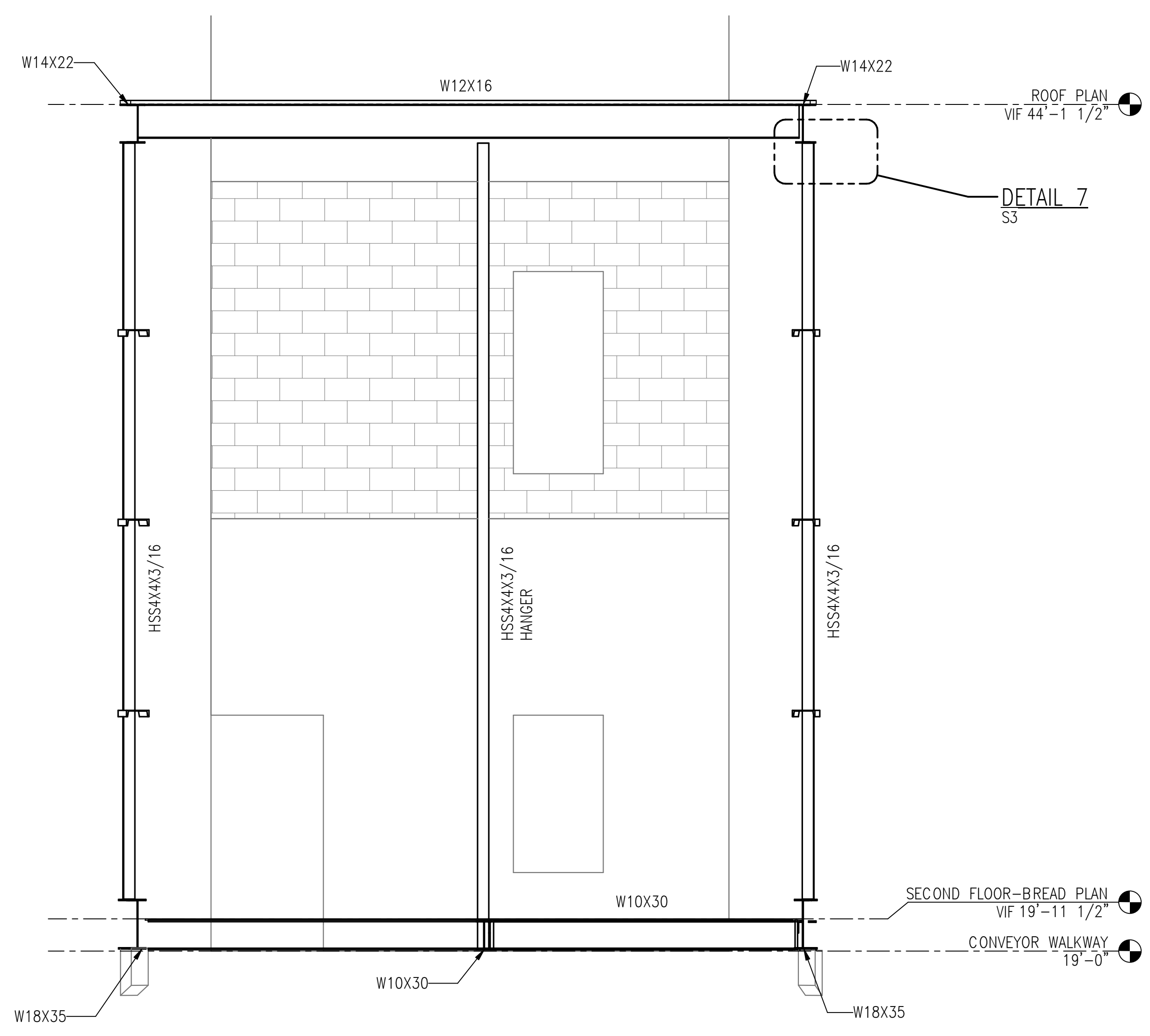
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FRAMING SECTIONS

PROJECT NUMBER
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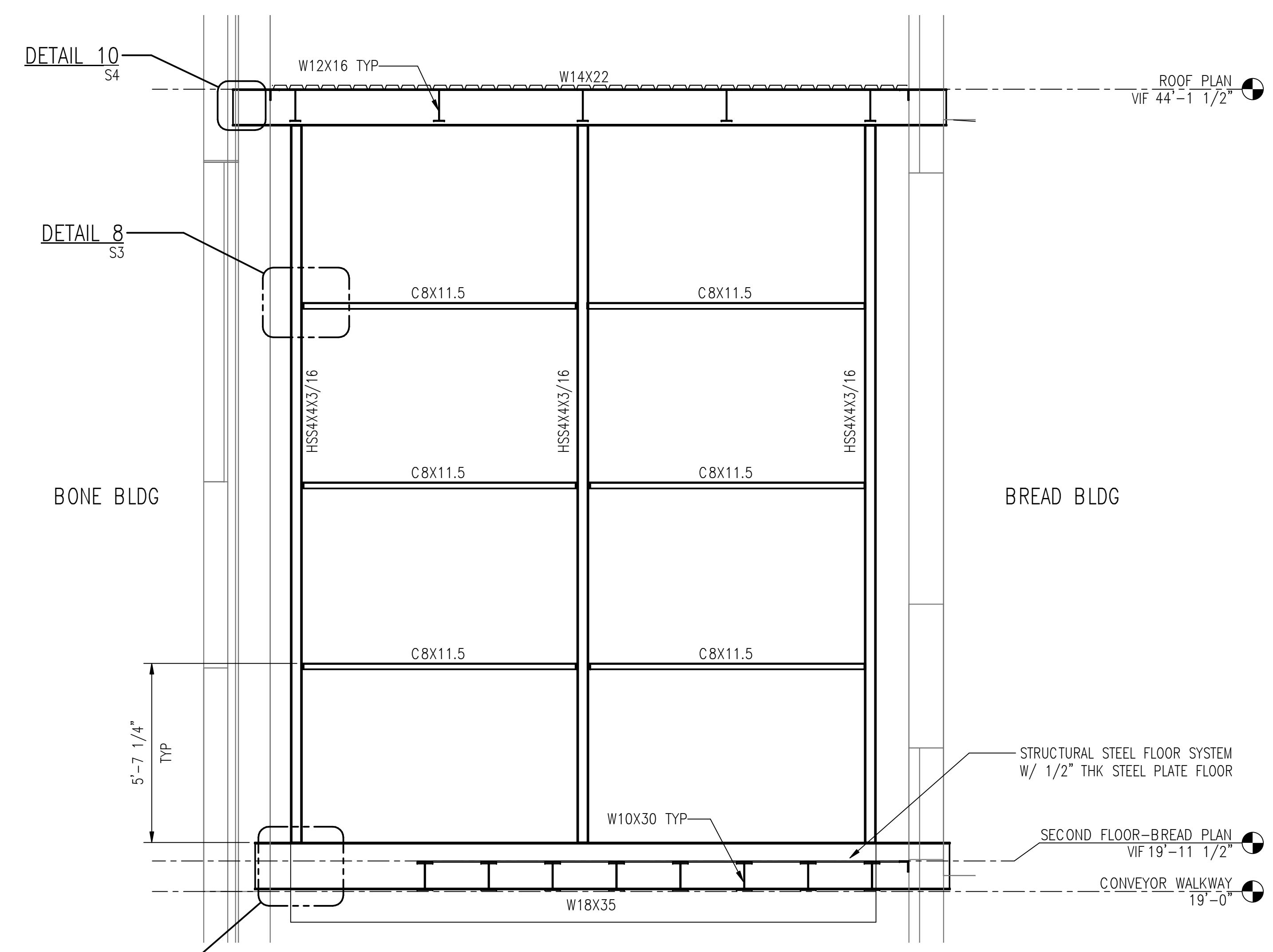
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SHEET

S2

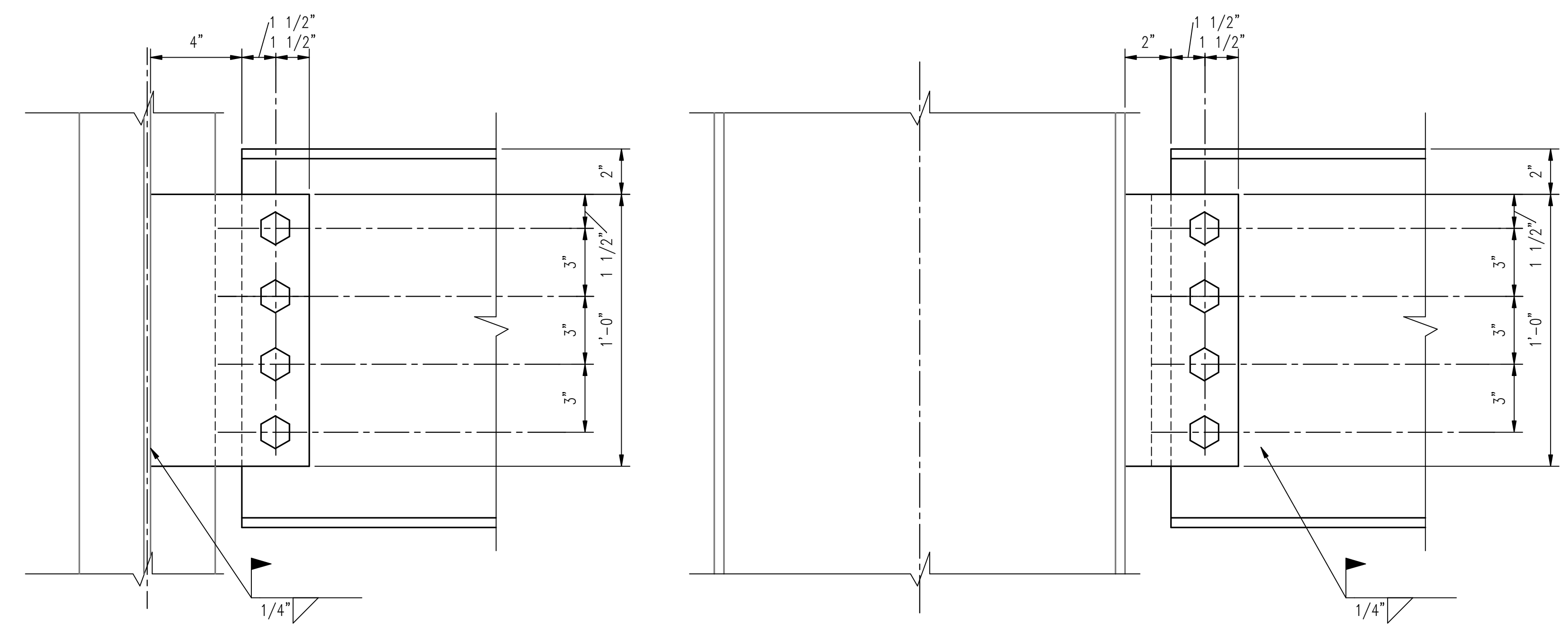


A SECTION
SCALE: 3/8" = 1'-0"

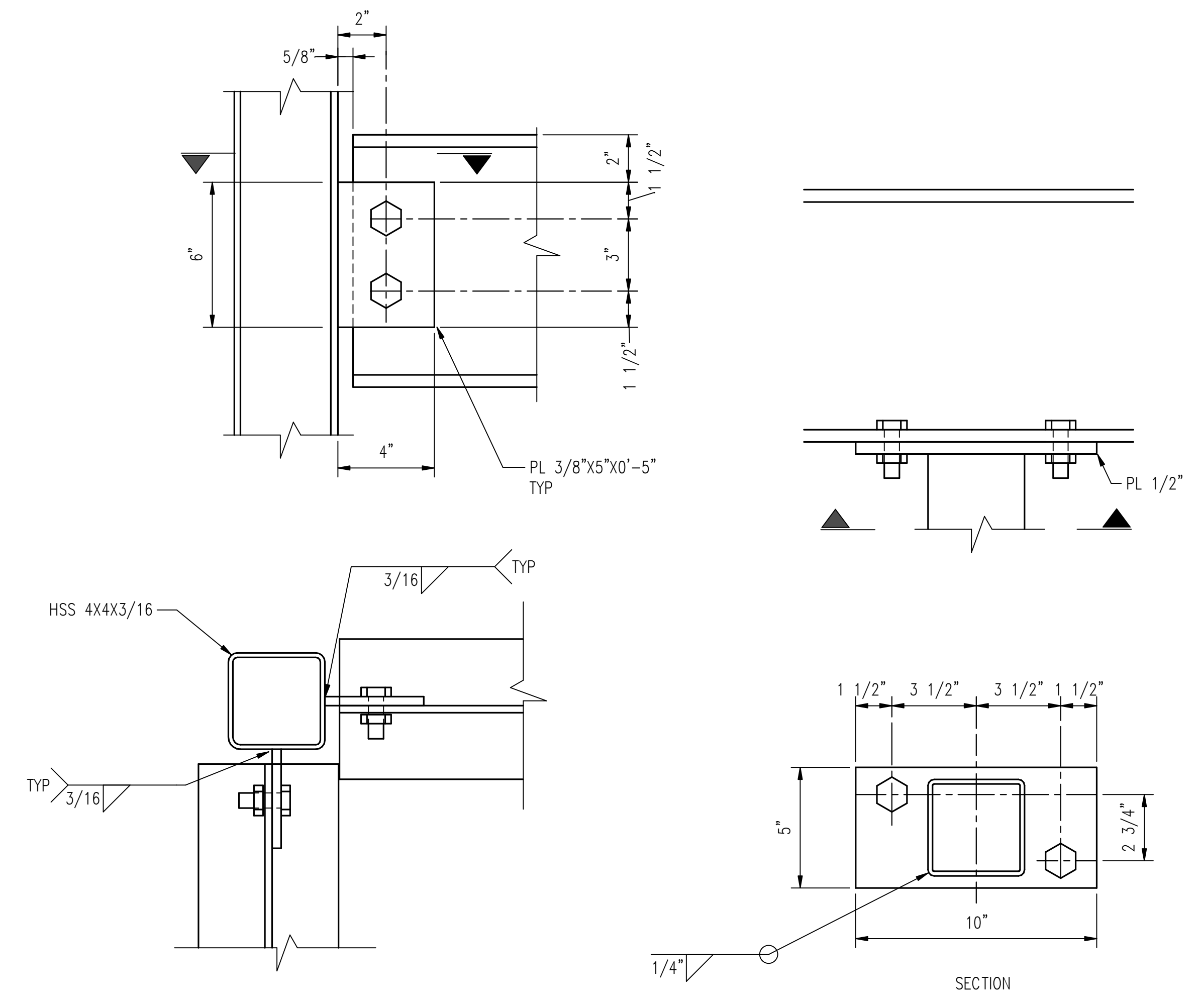


B SECTION
SCALE: 3/8" = 1'-0"
OPPOSITE SIDE SIMILAR

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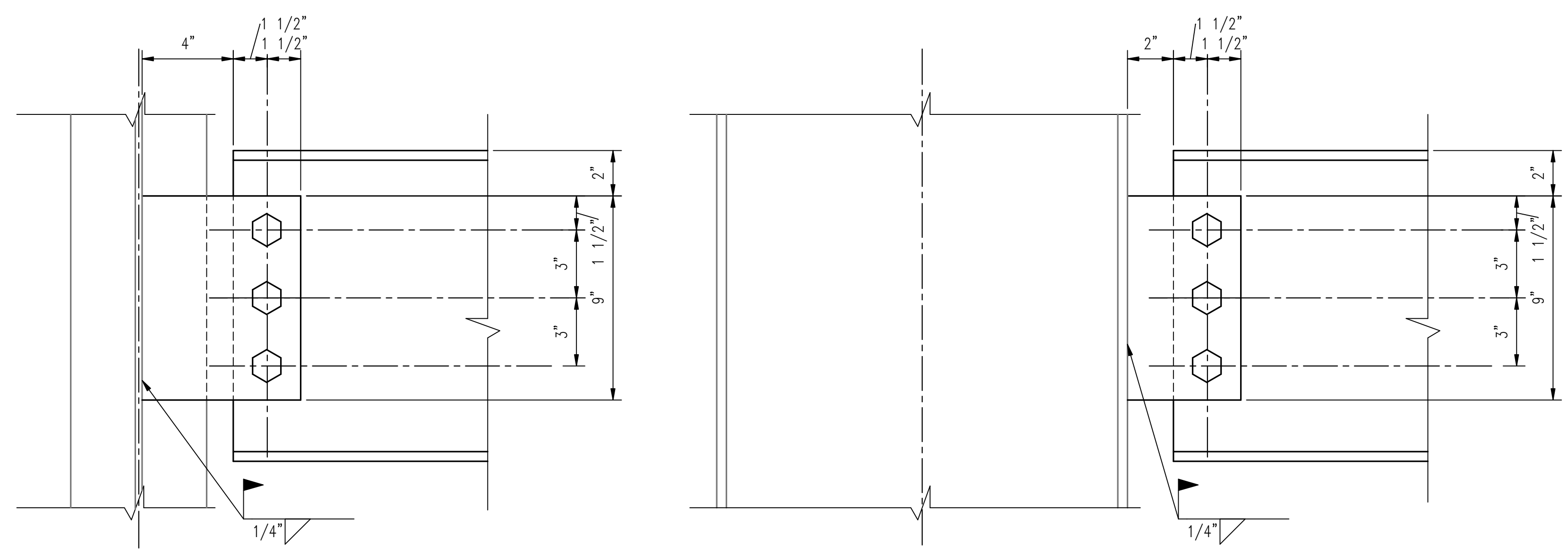


9-CONNECTING TO EXISTING (OPTION 1)
SCALE: 3" = 1'-0"
VERIFY CONNECTION TYPE W/EXISTING CONDITION
USE APPLICABLE DETAIL

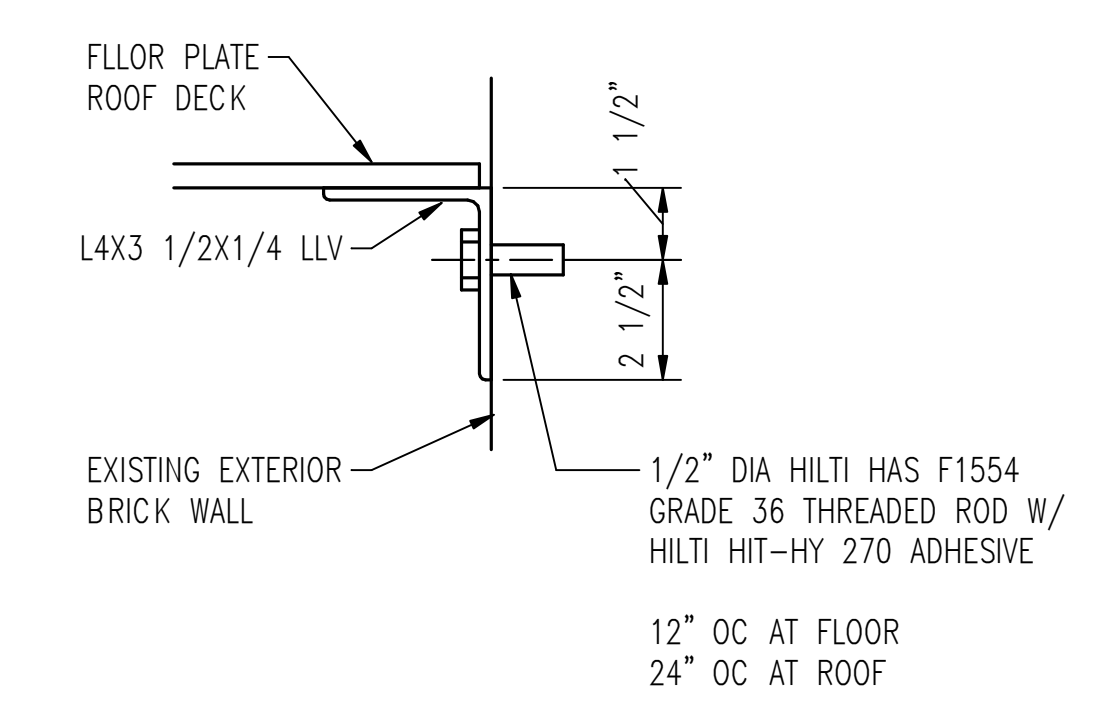


11 DETAIL
SCALE: 3" = 1'-0"
W10 TO W10 CONNECTION

12 DETAIL
SCALE: 3" = 1'-0"



10-CONNECTION TO EXISTING (OPTION 2)
SCALE: 3" = 1'-0"
VERIFY CONNECTION TYPE W/EXISTING CONDITION
USE APPLICABLE DETAIL



D SECTION
SCALE: 3" = 1'-0"
TYPICAL LEDGE ANGLE

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SHEET TITLE
DETAILS

DESIGN CRITERIA

- GOVERNING BUILDING CODE: 2020 BUILDING CODE OF NEW YORK STATE.
- DESIGN CRITERIA:

FLOOR LIVE LOAD	125 PSF UNIFORM OR 1,000 LB AXLE LOAD
ROOF LIVE LOAD	20 PSF
RISK CATEGORY	II
ROOF SNOW LOAD:	
GROUND SNOW LOAD	P _g = 50 PSF
FLAT ROOF SNOW	P _f = 35 PSF
SNOW EXPOSURE FACTOR	C _e = 1.0
SNOW IMPORTANCE FACTOR	I = 1.0
THERMAL FACTOR	C _t = 1.0
WIND LOAD PER ASCE 7:	
ULTIMATE DESIGN WIND SPEED	109 MPH
WIND EXPOSURE	C
INTERNAL PRESSURE COEFFICIENT	G _C pi = ± 0.18
DESIGN WIND PRESSURE COMPONENT AND CLADDING	P = 48 PSF
SEISMIC PER ASCE 7:	
SEISMIC IMPORTANCE FACTOR	I _e = 1.0
MAPPED SPECTRAL RESPONSE ACCELERATION	S _s = 0.164
MAPPED SPECTRAL RESPONSE ACCELERATION	S ₁ = 0.044
SITE CLASS	D
DESIGN SPECTRAL RESPONSE COEFFICIENT	SDS = 0.175
DESIGN SPECTRAL RESPONSE COEFFICIENT	SD1 = 0.071
SEISMIC DESIGN CATEGORY	B
SEISMIC FORCE RESISTANT SYSTEM	STEEL SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE
DESIGN BASE SHEAR	2.13 KIP
SEISMIC RESPONSE COEFFICIENT	C _s = 0.058
RESPONSE MODIFICATION COEFFICIENT	R = 3.0
ANALYSIS PROCEDURE	EQUIVALENT LATERAL FORCE

STRUCTURAL STEEL

- DETAIL, FABRICATE AND ERECT STRUCTURAL STEEL IN ACCORDANCE WITH THE SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC (AISC) MANUAL.
- THE HIRING OF A THIRD-PARTY COMPANY TO PERFORM STEEL SPECIAL INSPECTIONS IN ACCORDANCE WITH THE IBC, AISC, AND/OR STATE SPECIFIC CODES IS THE RESPONSIBILITY OF THE OWNER. THE SPECIAL INSPECTION REPORTS TO BE GIVEN TO THE OWNER.
- SUBMIT STEEL FABRICATION DRAWINGS TO THE ENGINEER OF RECORD FOR REVIEW. FABRICATION DRAWINGS TO CONTAIN SHOP FABRICATION DETAILS, FIELD ASSEMBLY DETAILS AND ERECTION DIAGRAMS. SCHEDULE SUBMISSIONS TO ALLOW ADEQUATE TIME FOR REVIEW PRIOR TO STEEL FABRICATION.
- WELDING TO BE PERFORMED BY CERTIFIED WELDERS IN ACCORDANCE WITH AWS – STRUCTURAL WELDING CODE (ANSI/AWS D1.1)
- MATERIALS:

WIDE FLANGE SHAPES	ASTM A992
CHANNELS, ANGLES	ASTM A36
HOLLOW STRUCTURAL SECTIONS (HSS) RECT. & ROUND	ASTM A500 GR B
PLATE & BAR	ASTM A572 GR 50
3/4" DIA BOLTS	ASTM F3125 GR A325-N
WELDING ELECTRODE	E70XX
- STRUCTURAL BOLTED ASSEMBLIES CONSIST OF ONE (1) HIGH STRENGTH BOLT, ONE (1) ASTM A563 GRADE DH AND ONE (1) ASTM F436 HARDENED WASHER UNDER THE TURNED ELEMENT UNLESS NOTED OTHERWISE.
- ALL BOLTED ASSEMBLIES FOR SECONDARY CONNECTIONS (STAIR TREADS, LADDERS AND HANDRAIL) CONSIST OF ONE (1) 5/8" DIAMETER ASTM A307 HEX HEAD BOLT, ONE (1) ASTM A563 GRADE DH AND ONE (1) ASTM F436 HARDENED WASHER UNDER THE TURNED ELEMENT.
- STRUCTURAL STEEL TO BE PAINTED AFTER FABRICATION IN ACCORDANCE WITH SPECIFICATION SSPC-SP2. PAINT DRY FILM THICKNESS TO BE 2 MILS.
- NO PAINTING WITHIN 6 INCHES OF FIELD WELDED CONNECTIONS.
- SHOP CONNECTIONS MAY BE WELDED OR BOLTED, FIELD CONNECTIONS WILL BE BOLTED UNLESS NOTED OTHERWISE.
- MINIMUM FILLET WELD SIZE TO BE 3/16" UNLESS NOTED OTHERWISE.
- TYPICAL BOLT SPACING IS TO BE 3", MINIMUM EDGE SPACING IS TO BE 1 1/2" UNLESS NOTED OTHERWISE.
- WHEN CONNECTIONS ARE NOT DETAILED, BOLT HOLES ARE TO BE AT TYPICAL WORKABLE GAGE IN ACCORDANCE WITH THE AISC STEEL CONSTRUCTION MANUAL, 15TH EDITION
- BOLT HOLES ARE TO BE STANDARD, OVERSIZED HOLES ARE NOT PERMITTED UNLESS NOTED OTHERWISE. SLOTTED HOLES MAY BE USED WITH THE CONSENT OF THE ENGINEER OF RECORD.
- WHERE SLOTTED HOLES ARE USED, PROVIDE A STEEL PLATE WASHER OR CONTINUOUS BAR OF AT LEAST 5/16" THICKNESS, WITH STANDARD HOLES, OVER ALL SLOTTED HOLES WHICH ARE IN THE OUTER PLIES OF ALL CONNECTIONS. THE PLATE WASHER IS TO COMPLETELY COVER THE SLOTTED HOLES AFTER ERECTION. WASHERS ARE TO BE PLACED UNDER BOTH THE BOLT HEAD AND NUT.
- ALL GUSSET PLATES, CONNECTION PLATES AND CONNECTION ANGLES UNLESS NOTED OTHERWISE ARE TO BE A MINIMUM 3/8" THICK.

STRUCTURAL STEEL CONTINUED

- UNLESS NOTED OTHERWISE, INSTALL BOLTS IN JOINTS IN ACCORDANCE WITH THE RCSC SPECIFICATION AS JOINT TYPE ST, "SNUG TIGHT" – PER RCSC SPECIFICATION TABLE 4.1 AND SECTION 8.1. INSPECTION IS PER RCSC SECTION 9.1. UNLESS NOTED OTHERWISE, BOLTS HAVE BEEN DESIGNED WITH THREADS INCLUDED IN THE SHEAR PLANE.
- NOTCH ALL RE-ENTRANT CORNERS OF COPED BEAMS TO A RADIUS OF 1/2"
- COPE THE BEAM FLANGES OF BEAMS FRAMING INTO THE WEBS OF COLUMNS WHERE THE BEAM'S FLANGES ARE WIDER THAN THE DEPTH BETWEEN THE COLUMN'S FLANGES TO FIT, DO NOT REMOVE THE ENTIRE FLANGES OF THE BEAMS IN THIS CONDITION.
- DO NOT FIELD CUT STRUCTURAL STEEL WITHOUT THE WRITTEN CONSENT OF THE ENGINEER OF RECORD. FLAME CUTTING OF HOLES IS NOT PERMITTED.
- FABRICATE BEAMS WITH THE NATURAL CAMBER UP. PROVIDE ADDITIONAL CAMBER SHOWN ON THE DRAWINGS.
- GRIND SMOOTH ALL BURRS AND SHARP EDGES ON FABRICATED OR FIELD ALTERED WALKWAYS, HANDRAILS, LADDERS AND CAGES.
- PROVIDE ADDITIONAL STEEL REQUIRED FOR ERECTION IN ACCORDANCE WITH OSHA 1926 AT NO COST TO THE OWNER. REMOVE THIS ADDITIONAL STEEL UNLESS DIRECTED OTHERWISE BY THE OWNER.
- PROVIDE TEMPORARY BRACING AND SHORING AS REQUIRED FOR THE SAFETY, STABILITY AND ALIGNMENT OF THE STRUCTURE. THE TEMPORARY BRACING IS TO REMAIN IN PLACE UNTIL THE MAIN LATERAL FORCE RESISTING SYSTEM IS INSTALLATION IS COMPLETE, INCLUDING DIAPHRAGMS.
- ERECTION PROCEDURES, SEQUENCES AND COORDINATION OF WORK WITH OTHER TRADES IS THE RESPONSIBILITY OF THE CONTRACTOR.
- STEEL ROOF DECKS
 - ALL STEEL DECKING TO BE IN ACCORDANCE WITH THE STEEL DECK INSTITUTE WITH A MINIMUM YIELD STRENGTH OF 33 KSI.
 - DECK CONNECTIONS TO BE 36 4 PATTERN USING M9 SCREWS WITH 01 HWH SIDE LAP CONNECTIONS AT 36" ON CENTER.

ABBREVIATIONS

ABBREVIATION	TERM
APPROX	APPROXIMATELY
B /	BACK OF
B TO B	BACK TO BACK
BC	BOLT CIRCLE
BOT /	BOTTOM OF
BLDG	BUILDING
C / C	CENTER TO CENTER
CONC	CONCRETE
CONN	CONNECTION
DIA	DIAMETER
DWG	DRAWING
EOD	EDGE OF DECK
EW	EACH WAY
EL	ELEVATION
EQL	EQUAL
EXST	EXISTING
FACE /	FACE OF
FS	FAR SIDE
FD	FIELD DIMENSION
FV	FIELD VERIFY
FURN	FURNACE
GALV	GALVANIZE
GRTG	GRATING
HR	HANDRAIL
HVY	HEAVY
ID	INSIDE DIAMETER
MAX	MAXIMUM
MH	MANHOLE
MIN	MINIMUM
OC	ON CENTER
OD	OUTSIDE DIAMETER
PL	PLATE
PLATF	PLATFORM
RAD	RADIUS
REF	REFERENCE
REQD	REQUIRED
SCHED	SCHEDULE
STD	STANDARD
STL	STEEL
THK	THICK
THRU	THROUGH
T&B	TOP AND BOTTOM
T /	TOP OF
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
W /	WITH
W / O	WITHOUT
WP	WORK POINT



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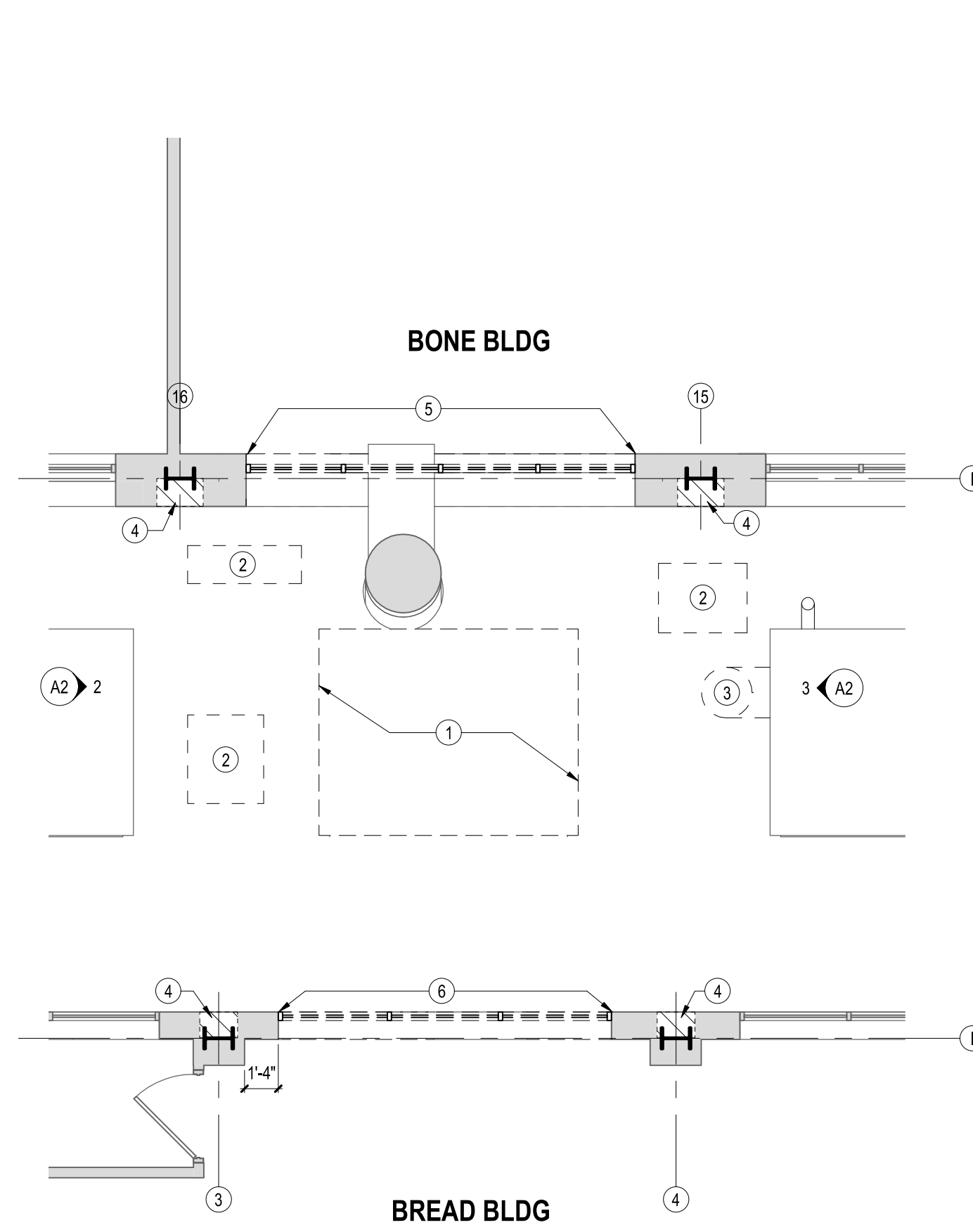
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STEEL NOTES

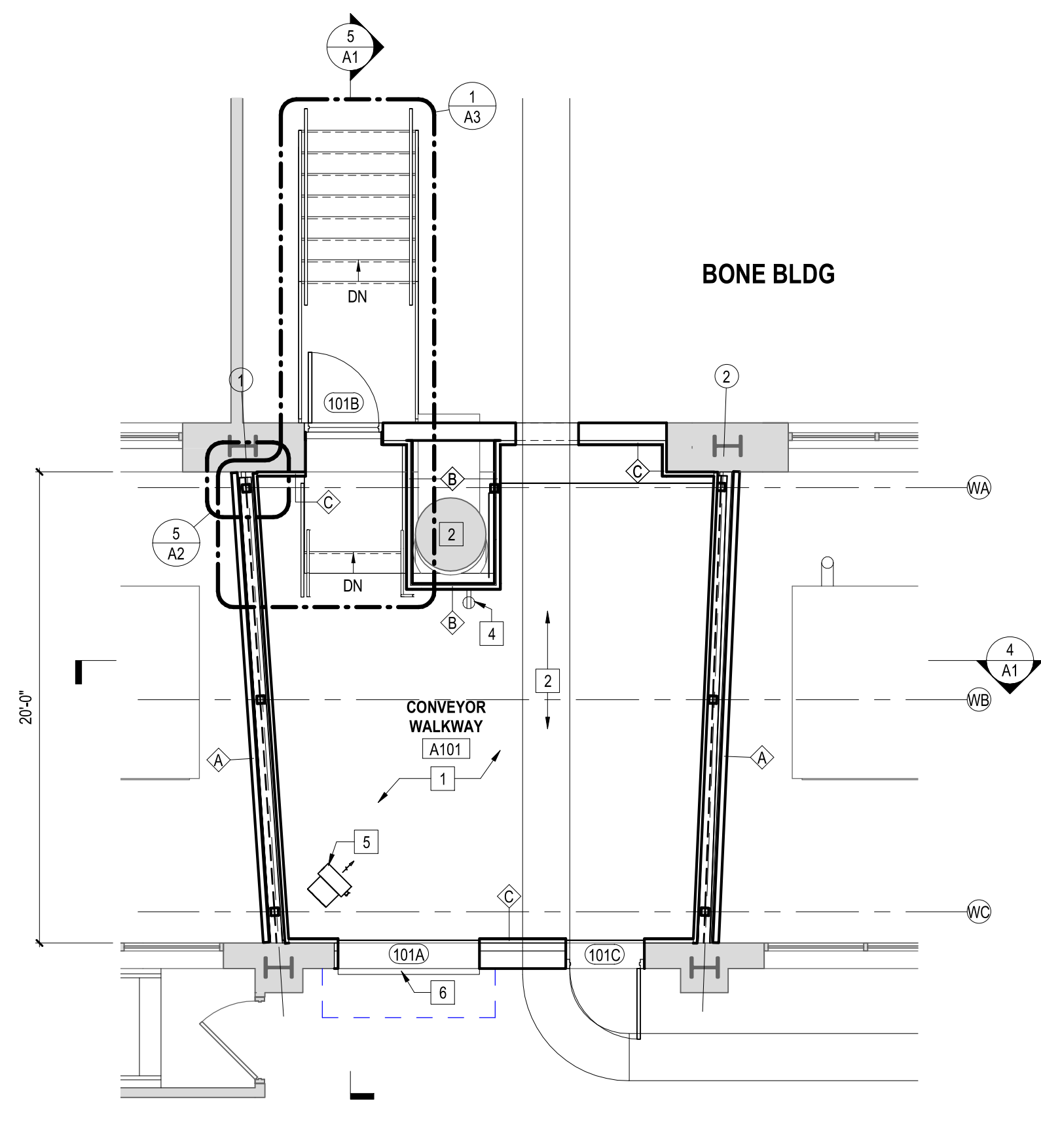
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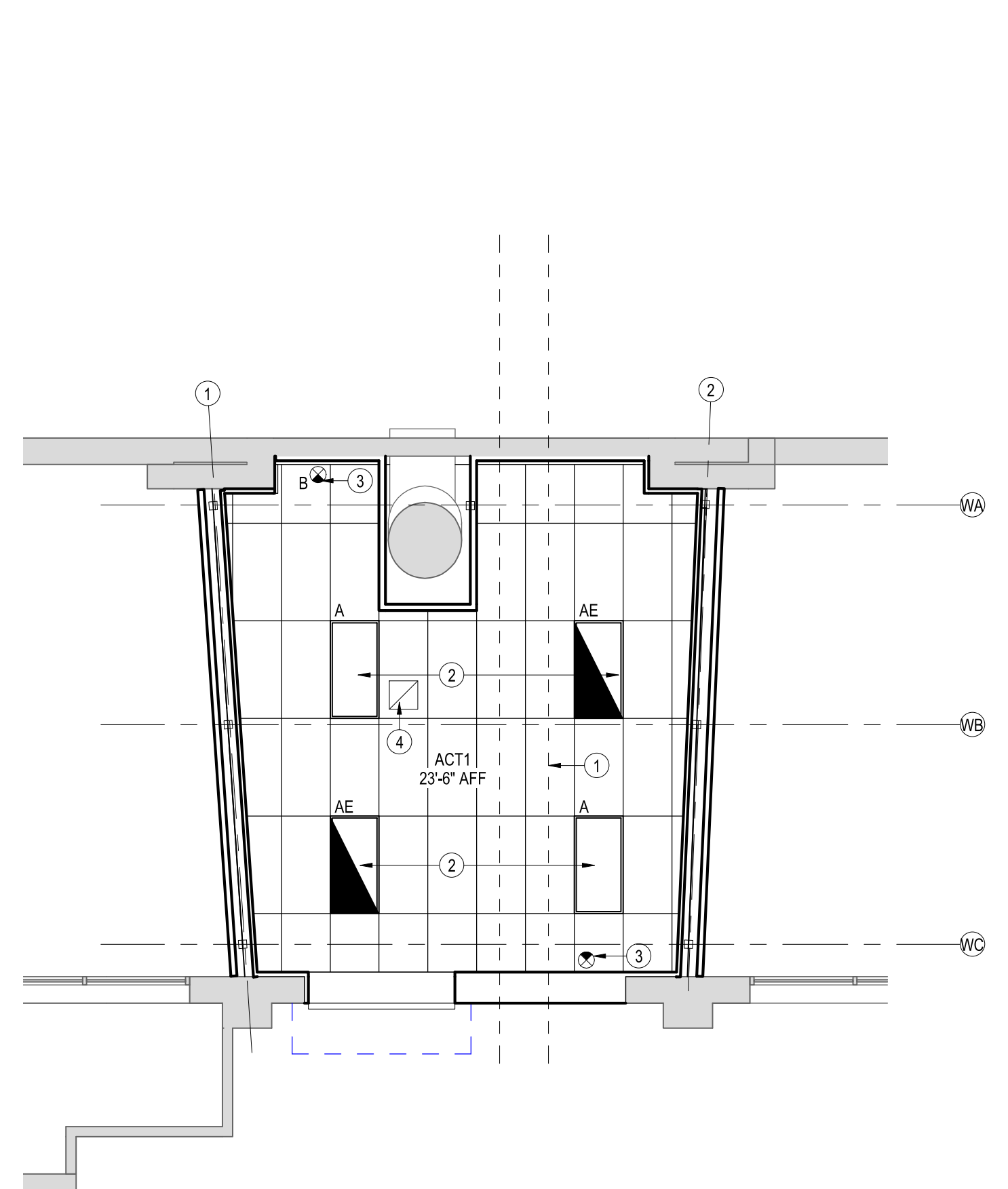
S5



1 CONVEYOR WALKWAY - DEMO PLAN
SCALE: 3/16" = 1'-0"



2 CONVEYOR WALKWAY PLAN
SCALE: 3/16" = 1'-0"



3 CONVEYOR WALKWAY RCP
SCALE: 3/16" = 1'-0"

DEMOLITION PLAN KEY NOTES

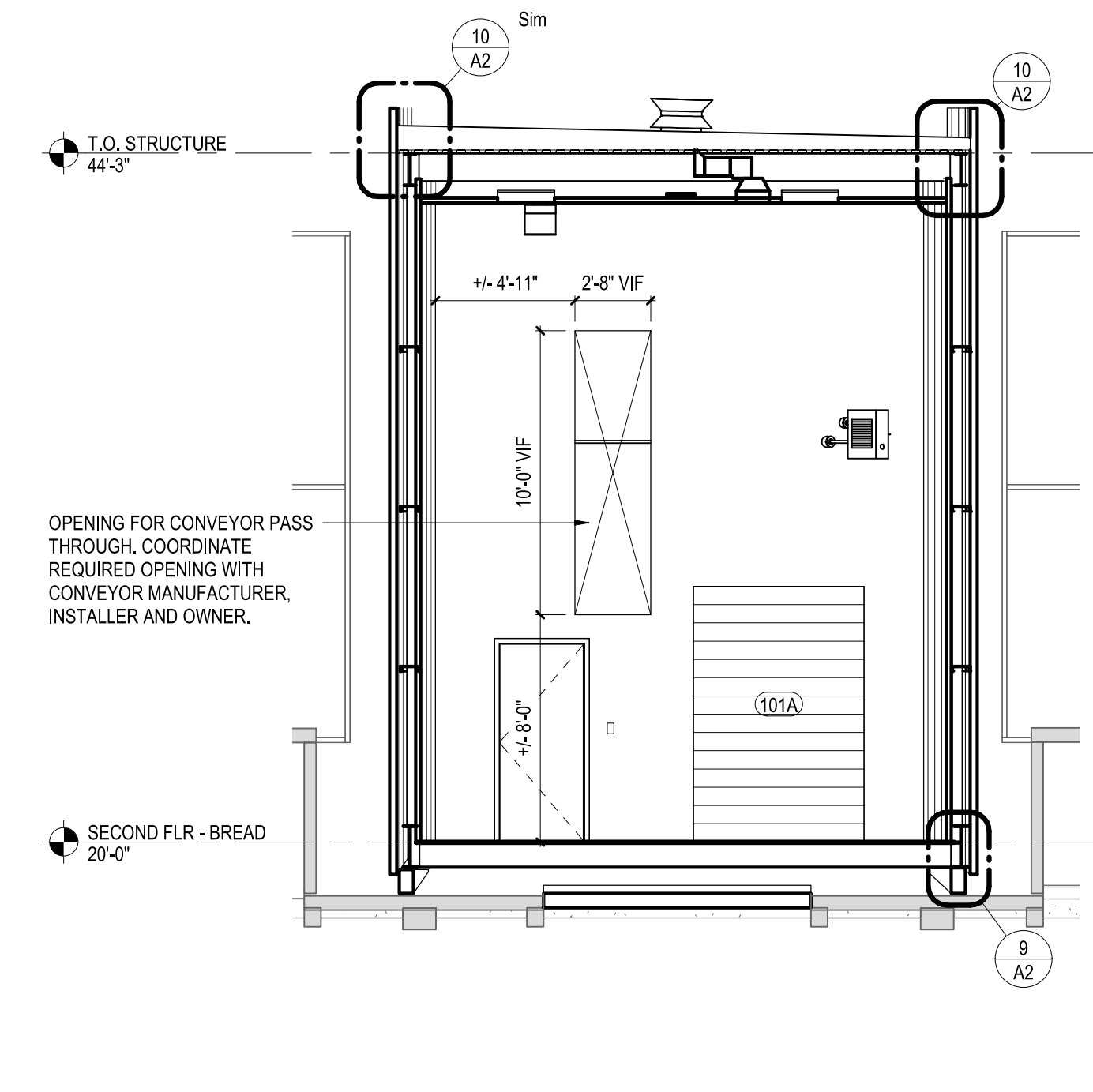
- EXISTING LIGHT MONITOR TO BE REMOVED.
- EXISTING CONDENSOR TO BE REMOVED AND RELOCATED.
- EXISTING DUCT TO BE RELOCATED AND INFILL OPENING. COORDINATE NEW DUCTWORK LOCATION WITH OWNER.
- PROVIDE OPENINGS IN EXISTING PLASTER FOR BEAM POCKETS. COORDINATE ALL REQUIRED LOCATION AND ELEVATIONS WITH STRUCTURAL DRAWINGS.
- EXISTING WINDOWS AND PORTION OF SILL TO BE REMOVED FOR DOOR AND WALL INFILL. SEE PROPOSED PLAN AND DOOR SCHEDULE FOR REQUIRED DOOR OPENING AND INFILL. CARDBOARD CHUTE TO REMAIN.
- EXISTING GLAZING TO BE REMOVED AND INFILLED TO MATCH EXISTING MASONRY CONSTRUCTION. PROVIDE OPENING IN WALL AND SILL FOR PROPOSED DOORS. SEE DOOR SCHEDULE FOR REQUIRED OPENINGS AND CMU NOTE FOR LINTEL SIZING.

CONSTRUCTION PLAN KEY NOTES

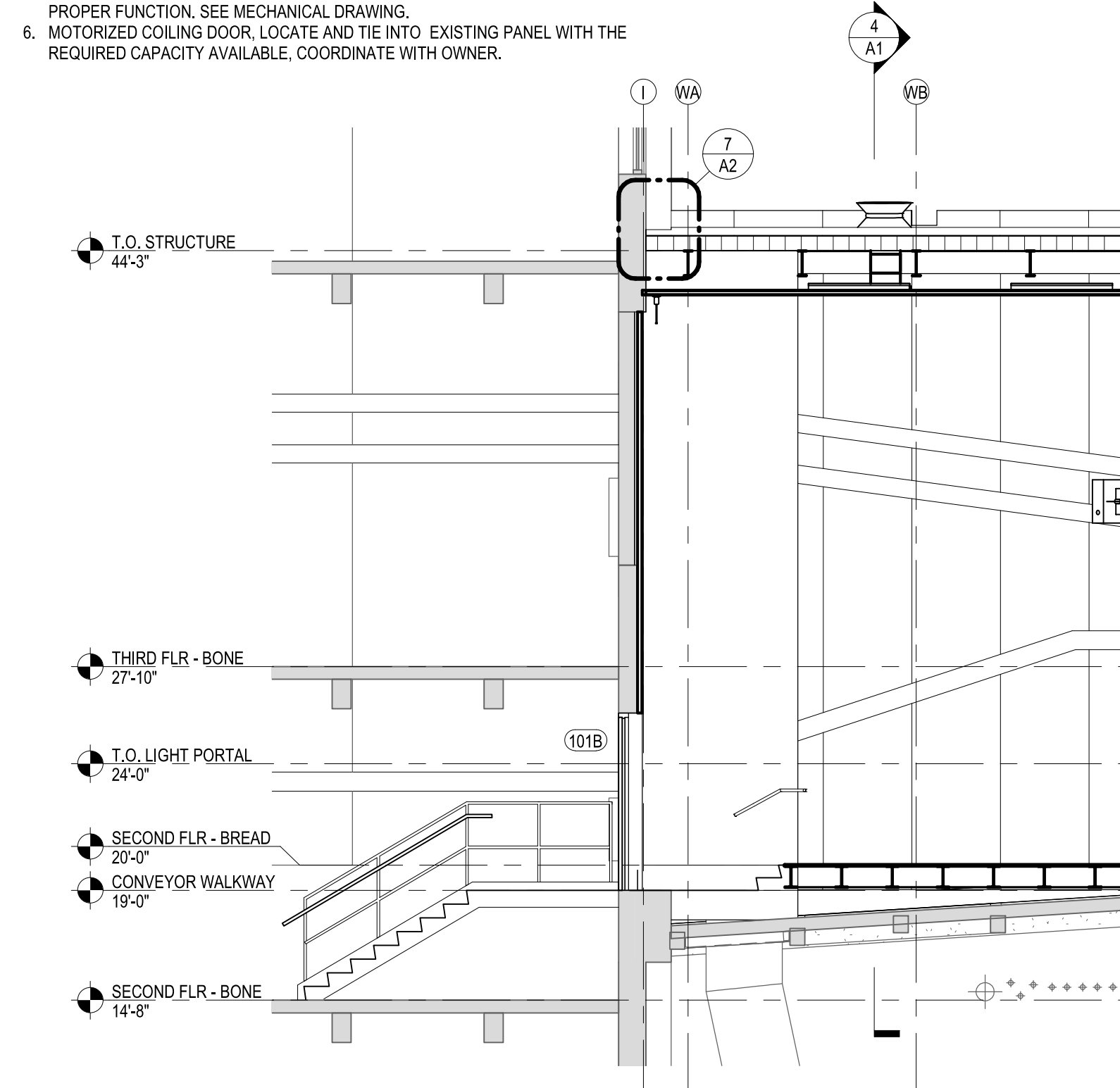
- ALL PROPOSED GYPSUM WALLS TO RECEIVE EPT-1.
- 1 1/4" DIAMOND PLATE STEEL FLOOR. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
 - APPROXIMATE LOCATION OF CONVEYORS ABOVE. COORDINATE FINAL LOCATION WITH CONVEYOR MANUFACTURER AND INSTALLER. SHOWN FOR REFERENCE ONLY.
 - EXISTING COMPACTOR CHUTE TO REMAIN. TO BE INCLOSED WITH SHAFT WALL PER PLAN. COORDINATE EXISTING LOCATION IN FIELD.
 - PROVIDE ELECTRICAL RECEPTACLE WITH WATER-TIGHT COVER. FOR PERSONNEL LIFT CHARGING. COORDINATE ELECTRICAL REQUIREMENTS WITH OWNER & LIFT MANUFACTURER. LOCATE AND TIE INTO EXISTING PANEL WITH THE REQUIRED CAPACITY AVAILABLE. COORDINATE WITH OWNER.
 - PROVIDE SUSPENDED STEAM UNIT HEATER. VERIFY CAPACITY OF EXISTING STEAM SYSTEM. CONNECT PROPOSED TO EXISTING STEAM AND CONDENSATE LINES. PROVIDE WITH INTEGRAL THERMOSTAT AND ALL ACCESSORIES REQUIRED FOR MOUNTING AND PROPER FUNCTION. SEE MECHANICAL DRAWING.
 - MOTORIZED COILING DOOR. LOCATE AND TIE INTO EXISTING PANEL WITH THE REQUIRED CAPACITY AVAILABLE. COORDINATE WITH OWNER.

REFLECTED CEILING PLAN KEY NOTES

- APPROXIMATE LOCATION OF CONVEYORS BELOW. COORDINATE FINAL LOCATION AND SUSPENSION LOCATIONS WITH CONVEYOR MANUFACTURER AND INSTALLER.
- LIGHT FIXTURES PER BUILDING STANDARD. PROVIDE WITH (2) EMERGENCY LIGHTS WITH BATTERY BACKUP. LOCATE AND TIE INTO AN EXISTING PANEL WITH THE REQUIRED CAPACITY AVAILABLE. COORDINATE TIE IN LOCATION AND LIGHT SWITCHING REQUIREMENTS WITH OWNER.
- EXIT SIGNAGE LIGHT. LOCATE AND TIE INTO AN EXISTING PANEL WITH THE REQUIRED CAPACITY AVAILABLE. COORDINATE WITH OWNER.
- 14" X 14" WHITE EXHAUST DIFFUSER PER MECHANICAL PLAN. SEE MECHANICAL PLAN FOR ROOF MOUNTED EXHAUST AND DUCTWORK. LOCATE AND TIE INTO AN EXISTING PANEL WITH THE REQUIRED CAPACITY AVAILABLE. COORDINATE TIE IN LOCATION WITH OWNER.

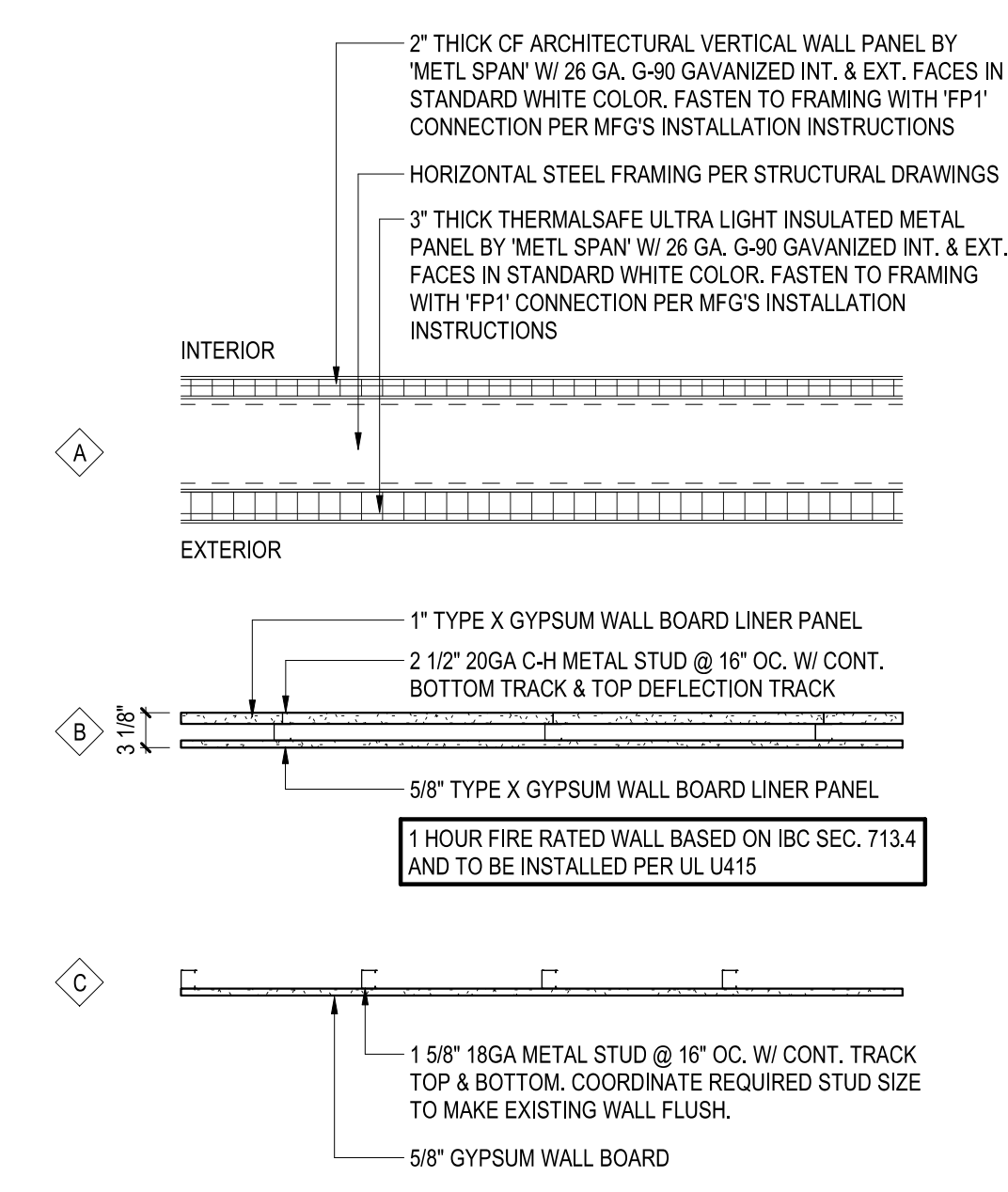


4 EAST SECTION
SCALE: 3/16" = 1'-0"



5 NORTH SECTION
SCALE: 3/16" = 1'-0"

WALL TYPES LEGEND



GENERAL DEMOLITION NOTES

- PROTECT EXISTING WALLS, FLOORS AND ANY OTHER ITEMS TO REMAIN DURING DEMOLITION.
- ALL DEMOLISHED MATERIALS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN STRICT ACCORDANCE WITH ALL APPLICABLE REGULATIONS, AND AUTHORITIES HAVING JURISDICTION.
- DEMOLITION CONTRACTOR SHALL PROVIDE DUMPSTERS AND MEANS OF MATERIAL REMOVAL FROM SITE. IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS, AND AUTHORITIES HAVING JURISDICTION.
- DEMOLITION CONTRACTOR SHALL CARRY FORTH DAILY CLEAN UP IN SITE.
- DEMOLITION CONTRACTOR SHALL PROVIDE PROOF OF INSURANCE TO OWNER.
- DEMOLITION CONTRACTOR SHALL BE RESPONSIBLE FOR CONTINUOUS ON SITE SUPERVISION.
- THE ELECTRICAL CONTRACTOR SHALL TURN OFF POWER TO AREAS OF WORK AND DEEM SAFE PRIOR TO DEMOLITION EFFORTS.
- THE DEMO CONTRACTOR SHALL SHORE AND BRACE ANY STRUCTURAL COMPONENT INVOLVED IN DEMOLITION THAT COULD AFFECT THE STRUCTURAL INTEGRITY OF THE BUILDING.
- ANY ITEM NOT SPECIFICALLY CALLED OUT TO BE REMOVED OR RELOCATED, BUT NECESSARY TO DO AS PART OF THE PROJECT, SHALL BE REMOVED AND STORED ON SITE AS REQUIRED.
- DOORS AND WINDOWS NOT DASHED ARE EXISTING TO REMAIN.
- THE DEMO CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARY PROTECTION AND BARRIERS TO MAINTAIN A SAFE WORKING ENVIRONMENT.

HAZARDOUS MATERIAL NOTES

- IF THE DEMOLITION CONTRACTOR OR ANY OTHER TRADE SUSPECTS THEY HAVE ENCOUNTERED HAZARDOUS MATERIALS, THEY SHALL STOP WORK IMMEDIATELY AND NOTIFY THE OWNER AND ARCHITECT.
- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR TESTING ALL QUESTIONABLE MATERIALS INVOLVED IN THIS PROJECT.
- SUBCONTRACTORS ARE REQUIRED TO PROVIDE A LIST OF MATERIALS RELATED TO EACH TRADE THAT IS OF A SUSPICIOUS NATURE AND REQUIRES TESTING.
- HAZARDOUS MATERIALS REMOVAL, INCLUDING BUT NOT LIMITED TO MOLD, LEAD PAINT, AND ASBESTOS, IF ABATEMENT IS REQUIRED, IT SHALL BE PERFORMED BY A LICENSED ABATEMENT CONTRACTOR AND SHALL BE PERFORMED PER ALL LOCAL, STATE AND NATIONAL CODES.

GENERAL CONSTRUCTION NOTES

- ALL STUDS, CEILING FURRING, AND FRAMING MEMBERS SHALL BE PLACED SO AS TO AVOID INTERFERENCE WITH RECESSED LIGHTING FIXTURES, PIPING, DUCTWORK, ETC.
- THE OWNER'S WRITTEN AUTHORIZATION IS REQUIRED BEFORE ANY WORK INVOLVING ADDITIONAL COST IS PERFORMED.
- ALL MISCELLANEOUS NAILS, HANGERS, AND STAPLES; OLD WIRES AND CONDUITS; MISCELLANEOUS ELECTRICAL AND TELEPHONE EQUIPMENT WILL BE REMOVED FROM ANY AREAS EXPOSED TO NEW WORK.
- ALL CEILING TILE TO BE REMOVED WITH THE PATTERN RUNNING IN SAME DIRECTION.
- ALL SWITCHES AND RECEPTACLES TO BE INSTALLED AT HEIGHTS AS PER ADA CODE.
- GENERAL CONTRACTOR SHALL HAVE THE RESPONSIBILITY TO MEET THE BUILDING INSPECTOR AT THE JOB SITE FOR APPROVALS.
- ALL DIMENSIONS WILL BE FIELD VERIFIED BY INDIVIDUAL CONTRACTORS.
- ARCHITECT WILL BE FINAL JUDGE OF THE QUALITY OF FINISHES.
- GC TO ENSURE THAT ALL OPENINGS AND PENETRATIONS IN DEMISING WALLS ARE SEALED PER CODE.
- ALL WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPROVED ARCHITECTURAL AND MEP FINAL ISSUE CONSTRUCTION SET. ANY CHANGES MADE DURING CONSTRUCTION THAT ARE NOT IN COMPLIANCE WITH THE APPROVED PLANS SHALL BE REVIEWED BY THE ARCHITECT.
- ELECTRICAL BOXES TO BE OFFSET IN ALL SOUND RATED PARTITIONS AT A MIN OF 24" O.C. PROVIDE ONE STUD MIN BETWEEN OFFSET BOXES. INSTALL ACOUSTIC SEALANT AROUND OPENINGS AND FIREPROOFING PUTTY AROUND J-BOXES AT FIRE-RATED ASSEMBLIES.
- STUD GAUGE TO BE A MIN OF 20 WITH 1 5/8" FLANGE WIDTH IN ACCORDANCE WITH ASTM REQUIREMENTS C 645 UNLESS OTHERWISE NOTED.
- HEIGHT LIMIT OF STUDS TO BE IN ACCORDANCE WITH ANSI REQUIREMENTS AND GYPSUM ASSOCIATION RECOMMENDATIONS.
- IN WALL BLOCKING AND BACKING SHALL BE INSTALLED IN ALL ASSEMBLIES AS REQUIRED TO MAINTAIN SPECIFIED FIRE RATINGS, TO COMPLY WITH ACCESSIBILITY CODE REQUIREMENTS.
- ALL THRESHOLDS AT DOORWAYS TO BE 1/2" MAX. HEIGHT, BEVELED WITH 1:2 MAX. SLOPE.
- GC TO ENSURE THAT ALL EXISTING EXIT DOORS & INTERIOR DOORS SHALL COMPLY WITH CODE LOCKS & LATCHES REQUIREMENTS.
- AT ALL PARTITIONS, CEILING, AND GENERAL ITEMS ASSOCIATED WITH DEMOLITION - G.C. TO PLASTER PATCH AND SKIM COAT ALL REMAINING SURFACES SMOOTH & MAKE PLUMB. REMOVE & CLEAN ANY RESIDUAL RESIDUE ON PARTITION, WINDOW MULLIONS & CONVECTORS.
- GC TO FURR OUT WALLS, COLUMNS & EXISTING PARTITIONS (AS REQ'D) FOR FULLY RECESSED PLUMBING, ELECTRICAL WIRING, CONDUITS & J-BOXES.
- GENERAL CONTRACTOR WILL REMOVE ALL DEBRIS & BROOM SWEEP PREMISES AT THE END OF EACH WORK DAY.
- DOORS, FRAMES & HARDWARE WITHIN UL RATED PARTITIONS SHALL CARRY THE NECESSARY APPROPRIATE LABEL.
- GENERAL CONTRACTOR SHALL PROVIDE ANY ACCESS PANELS, (IF REQUIRED) FOR ELECTRICAL, MECHANICAL, PLUMBING AND/OR DRAINAGE PIPES. LOCATION(S) AND SIZE(S) TO BE APPROVED BY THE ARCHITECT.
- ALL DIMENSIONS ARE APPROXIMATE BASED ON RECORD DRAWINGS. FIELD OBSERVATIONS AND OTHER INFORMATION AVAILABLE. G.C. SHALL VERIFY WALL PARTITION LOCATION WITH EXISTING ELEMENTS FOR CONFLICT PRIOR TO CONSTRUCTION EFFORTS AND NOTIFY ARCHITECT.
- PRODUCTS AND MATERIALS SHALL BE INSTALLED WITH STRICT ACCORDANCE TO THE MANUFACTURER'S RECOMMENDED INSTALLATION INSTRUCTIONS AND SPECIFICATIONS.

CONCRETE MASONRY (CMU) NOTES

- CONCRETE MASONRY UNITS SHALL BE MANUFACTURED IN ACCORDANCE WITH THE AMERICAN CONCRETE INSTITUTE SPECIFICATIONS 530.1-88 OR LATEST EDITION AND SHALL HAVE A MINIMUM $f_m = 1,500$ P.S.I.
- MORTAR FOR USE WITH CONCRETE MASONRY UNITS SHALL BE IN CONFORMANCE WITH A.S.T.M. C270 AND SHALL BE TYPE S WITH AN AVERAGE COMPRESSIVE STRENGTH OF 1,800 P.S.I. AT 28 DAYS.
- CONCRETE MASONRY UNITS SHALL NOT BE WETTED PRIOR TO PLACEMENT.
- ALL C.M.U. WALLS SHALL BE REINFORCED IN ACCORDANCE WITH THE MINIMUM REINFORCING PROVISIONS OF THE AMERICAN CONCRETE ASSOCIATION (A.C.I.) PUBLICATION 530-88 OR LATEST EDITION. THE MINIMUM VERTICAL REINFORCEMENT SHALL BE:
A. 6" BLOCK
B. #5 BARS, MAX. SPACING = 32" OC
C. PROVIDE HORIZONTAL REINFORCING EVERY SECOND (2ND) COURSE. HORIZONTAL REINFORCEMENT SHALL BE #8 WIRE STANDARD DUROWALL, CONTINUOUS TRUSS TYPE REINFORCED WITH DEFORMED SIDE WIRES.
- CELLS TO RECEIVE VERTICAL REINFORCEMENT SHALL HAVE CONCRETE PLACED TO THE FULL HEIGHT TO THE FULL STRENGTH TO BE 280 P.S.I. AT 28 DAYS.
- DOWELS SHALL BE PROVIDED IN THE SILL AND JAMB AND SHALL BE INSTALLED TO MATCH THE VERTICAL MASONRY WALL REINFORCEMENT SIZE AND LOCATION, EXCEPT AS OTHERWISE NOTED. HORIZONTAL DOWELS ARE TO BE DRILLED AND EPOXIED INTO EXISTING MASONRY JAMB AND GROUT FIRST CELL OF PROPOSED CMU SOLID.
- SEE STRUCTURAL AND ARCHITECTURAL DRAWINGS FOR C.M.U. WALL LOCATIONS AND DIMENSIONS.
- ALL OPENINGS IN C.M.U. WALLS THAT EXCEED 24" IN EITHER DIRECTION SHALL HAVE (1) #5 ADDITIONAL BAR ON ALL SIDES OF OPENING EXTENDING 24" BEYOND CORNERS OF OPENING. THESE CELLS SHALL BE GROUTED SOLID ALL AROUND THE OPENING.
- PROVIDE A MINIMUM OF (1) #5 MINIMUM SIZE VERTICAL REINFORCING BAR FULLY GROUTED AT END CELL OF ALL DISCONTINUOUS WALLS AND UNDER ALL LINTEL ANGLES AND COLUMN BEARINGS UNLESS NOTED OR SHOWN OTHERWISE.
- SEE ARCHITECTURAL DRAWINGS FOR LOCATION OF CONTROL JOINTS.
- UNLESS OTHERWISE NOTED OR SHOWN ON PLANS AND SECTIONS, PROVIDE LINTEL ANGLES, ONE FOR EACH FOUR INCHES OF MASONRY WIDTH AS FOLLOWS:
A. FOR OPENINGS UP TO 5'-0" Lx3'-12x5/16 (LLV)
B. FOR OPENINGS FROM 5'-0" TO 7'-0" Lx3'-12x5/16 (LLV)
C. FOR OPENINGS FROM 7'-0" TO 9'-0" Lx3'-12x5/16 (LLV)
- LINTEL ANGLES IN PAIRS SHALL BE PLUG WELDED AT 18" ON CENTER EXCEPT AS OTHERWISE NOTED.
- STEEL LINTEL ANGLES, WHERE EXPOSED TO WEATHER, SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A 153
- ALL LINTELS SHALL BE A MINIMUM OF 6" LONGER THAN MASONRY OPENING DIMENSIONS AT EACH END IN ORDER TO PROVIDE PROPER BEARING.
- ALL JOINT REINFORCEMENT (TIES, ANCHORS, AND JOINT REINFORCING) SHALL BE HOT DIPPED GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A 153 WITH A MINIMUM COATING OF 1.50 OUNCES PER SQUARE FOOT.



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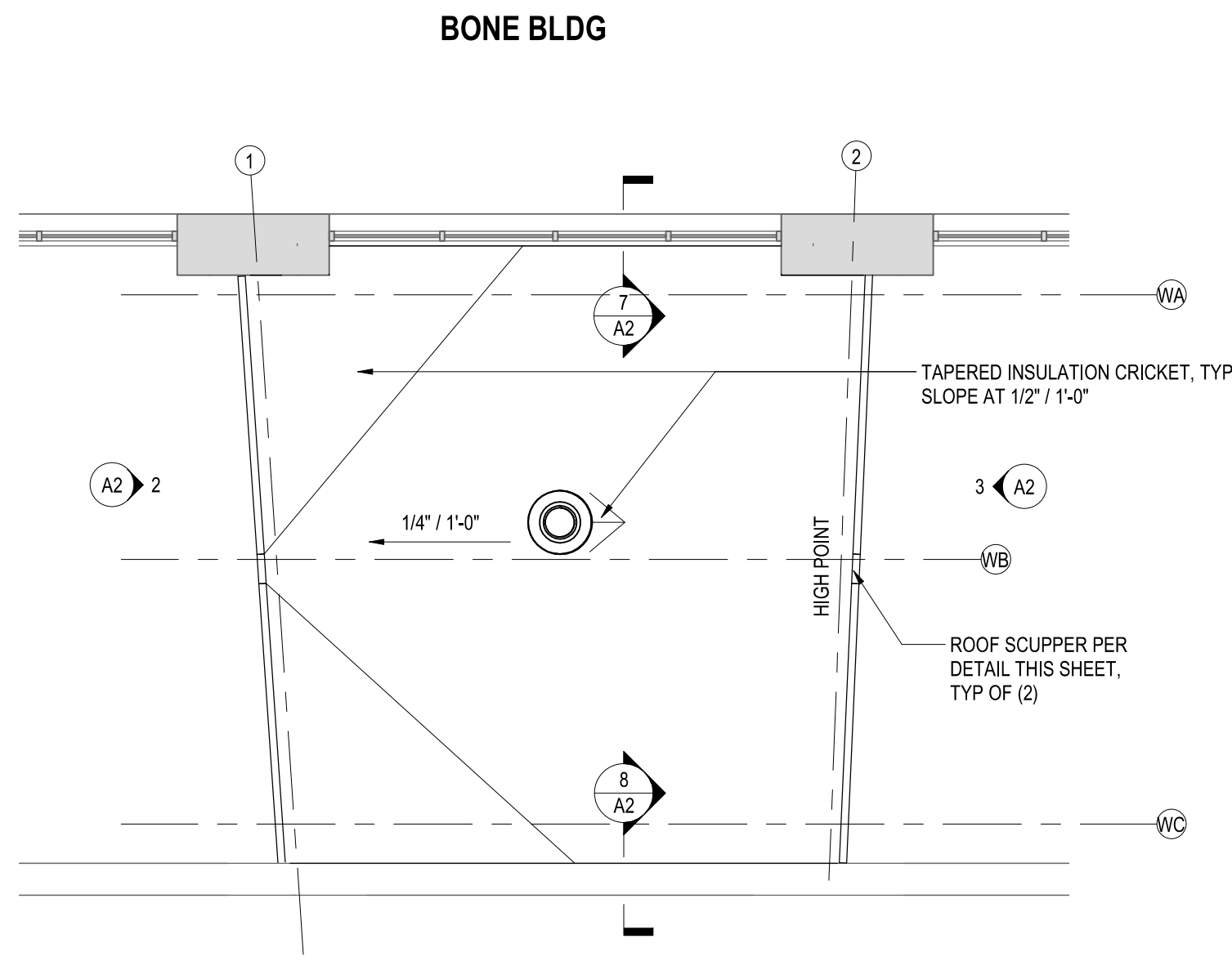
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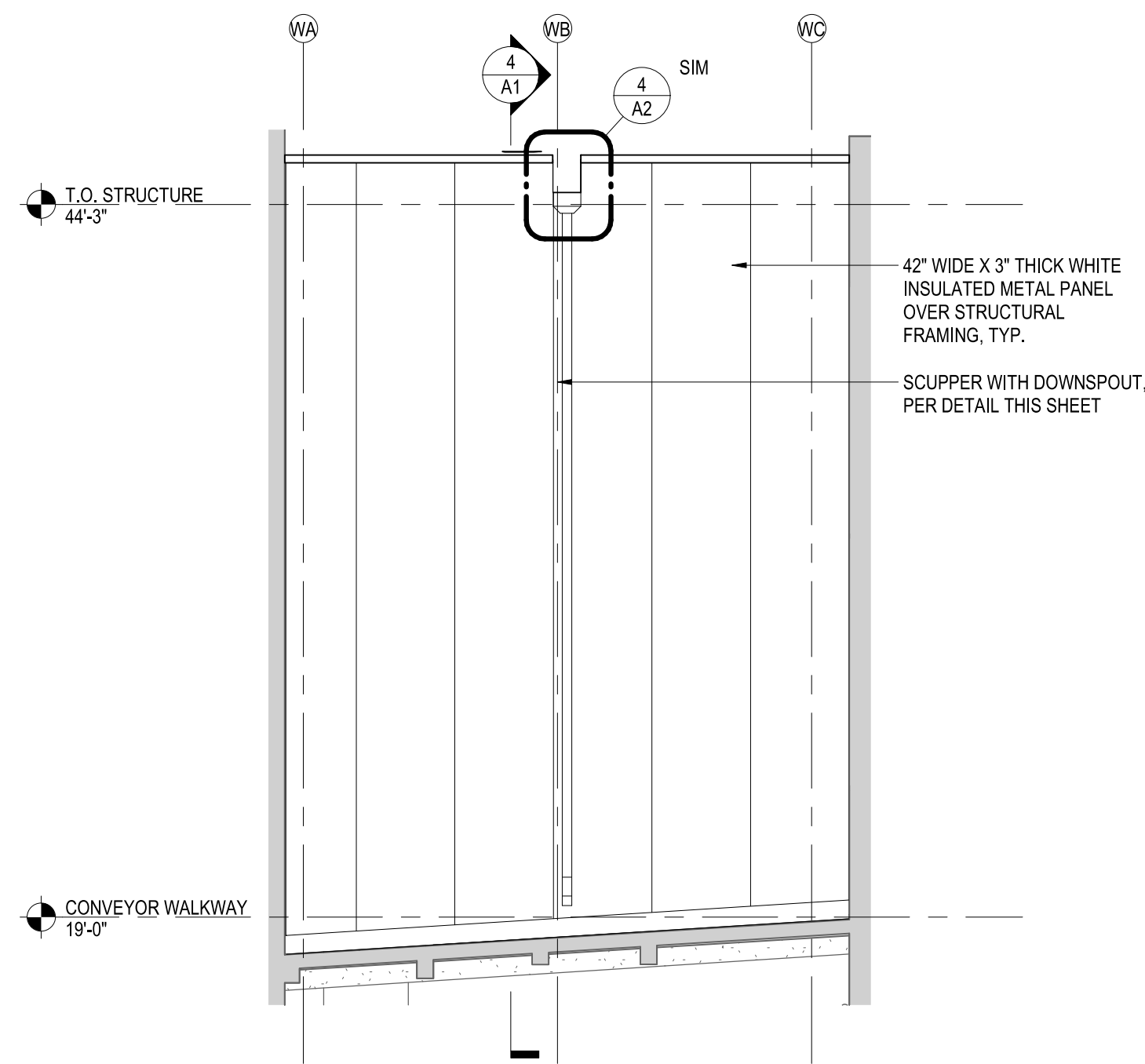
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SHEET TITLE
PLANS & SECTIONS

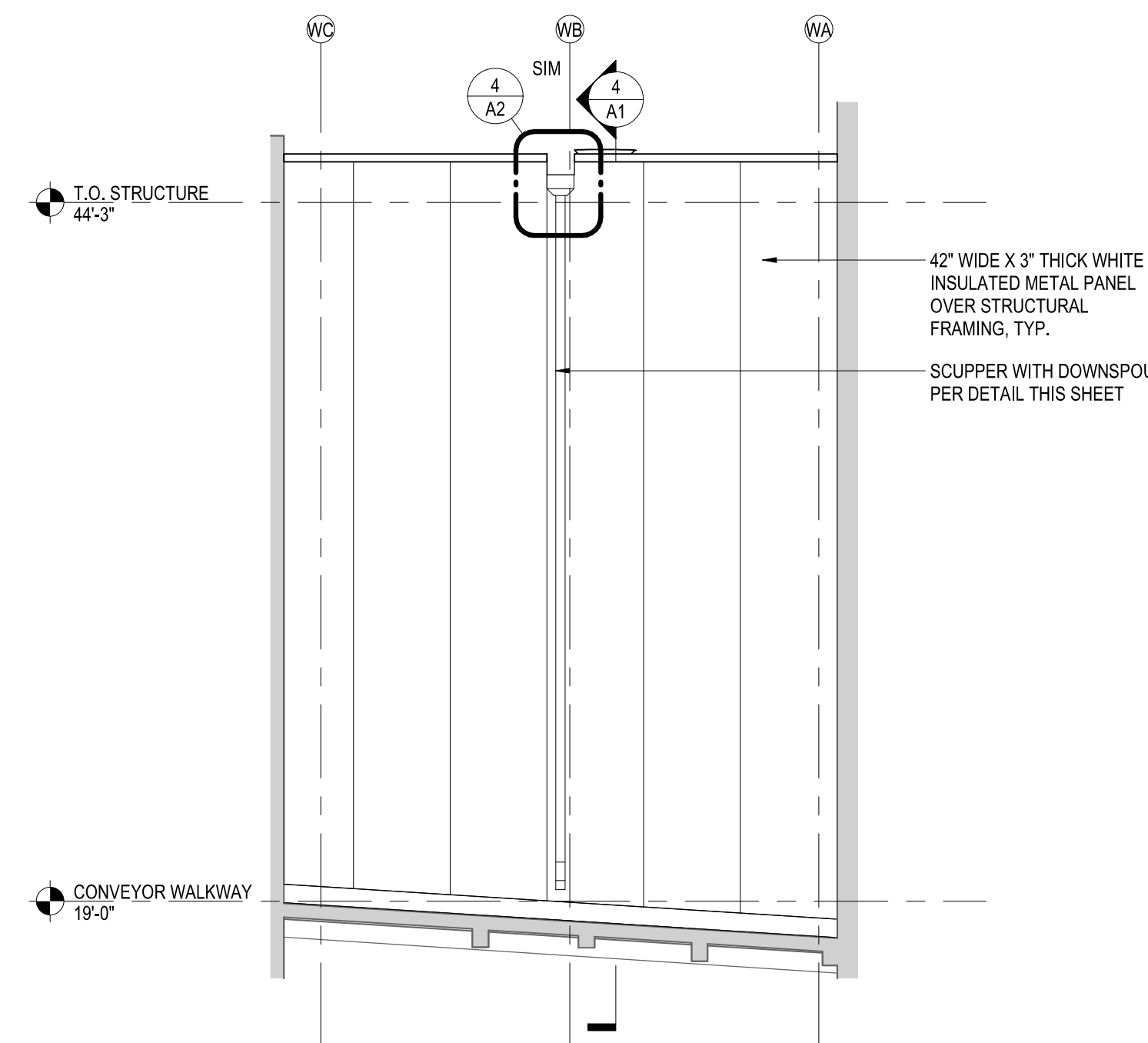
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PLOT DATE
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SHEET



1 ROOF PLAN
SCALE: 3/16" = 1'-0"

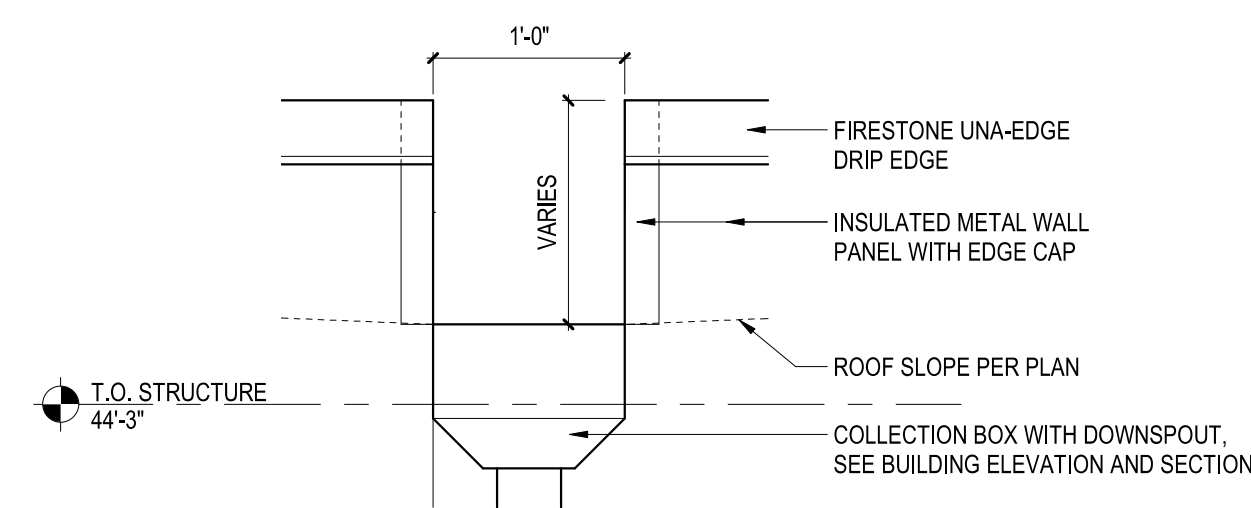


2 WEST ELEVATION
SCALE: 3/16" = 1'-0"

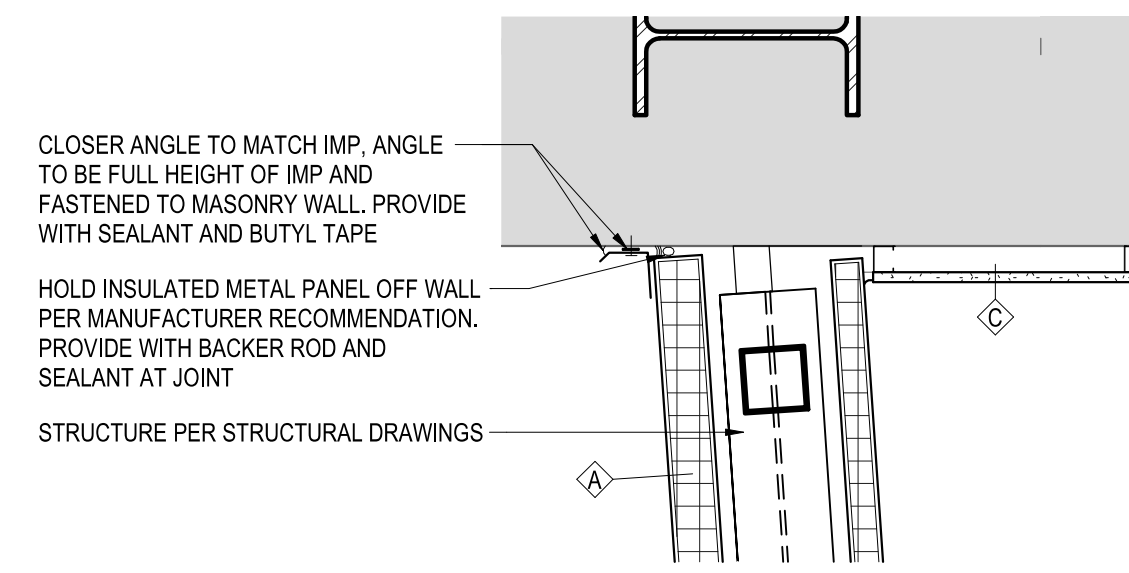


3 EAST ELEVATION
SCALE: 3/16" = 1'-0"

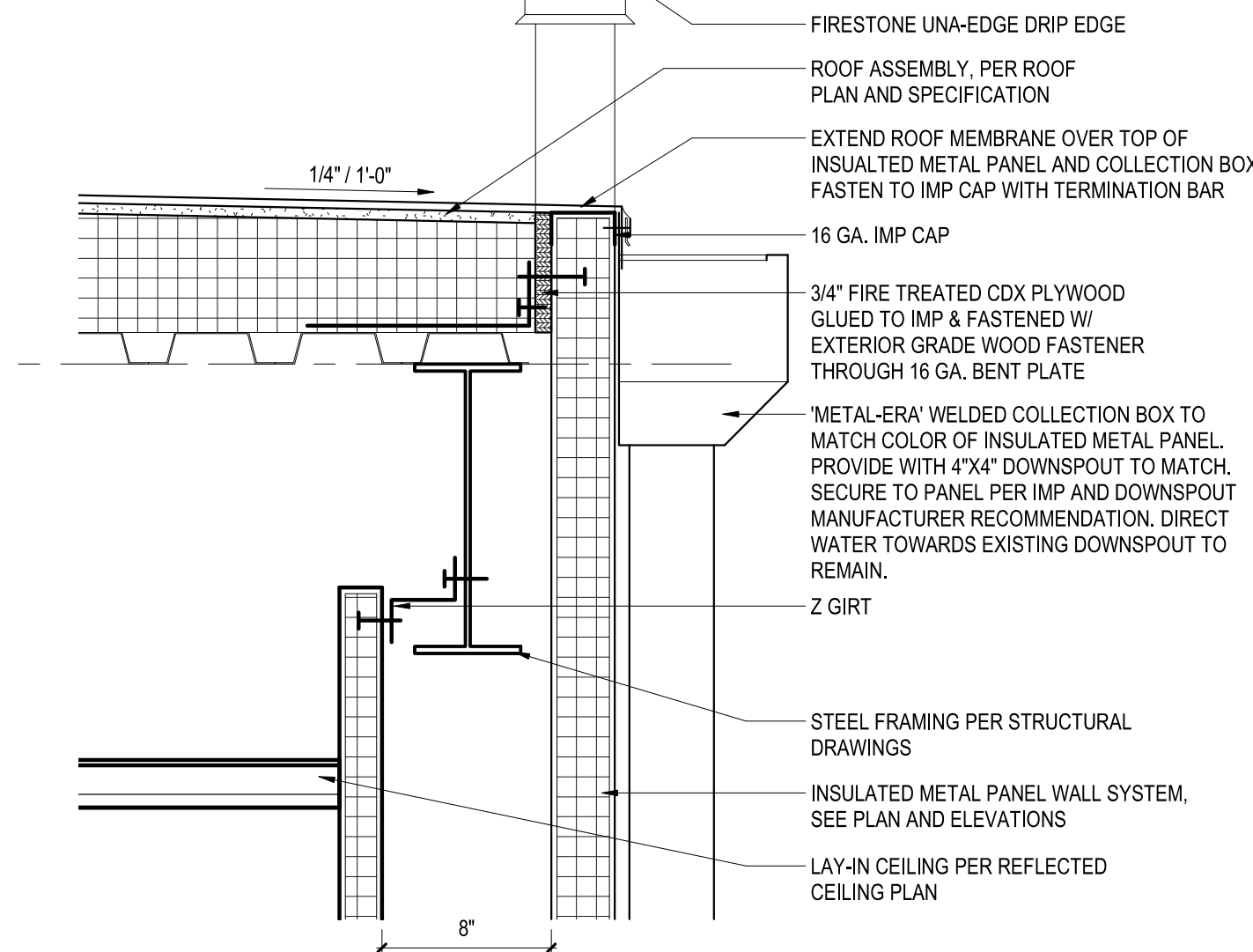
BREAD BLDG



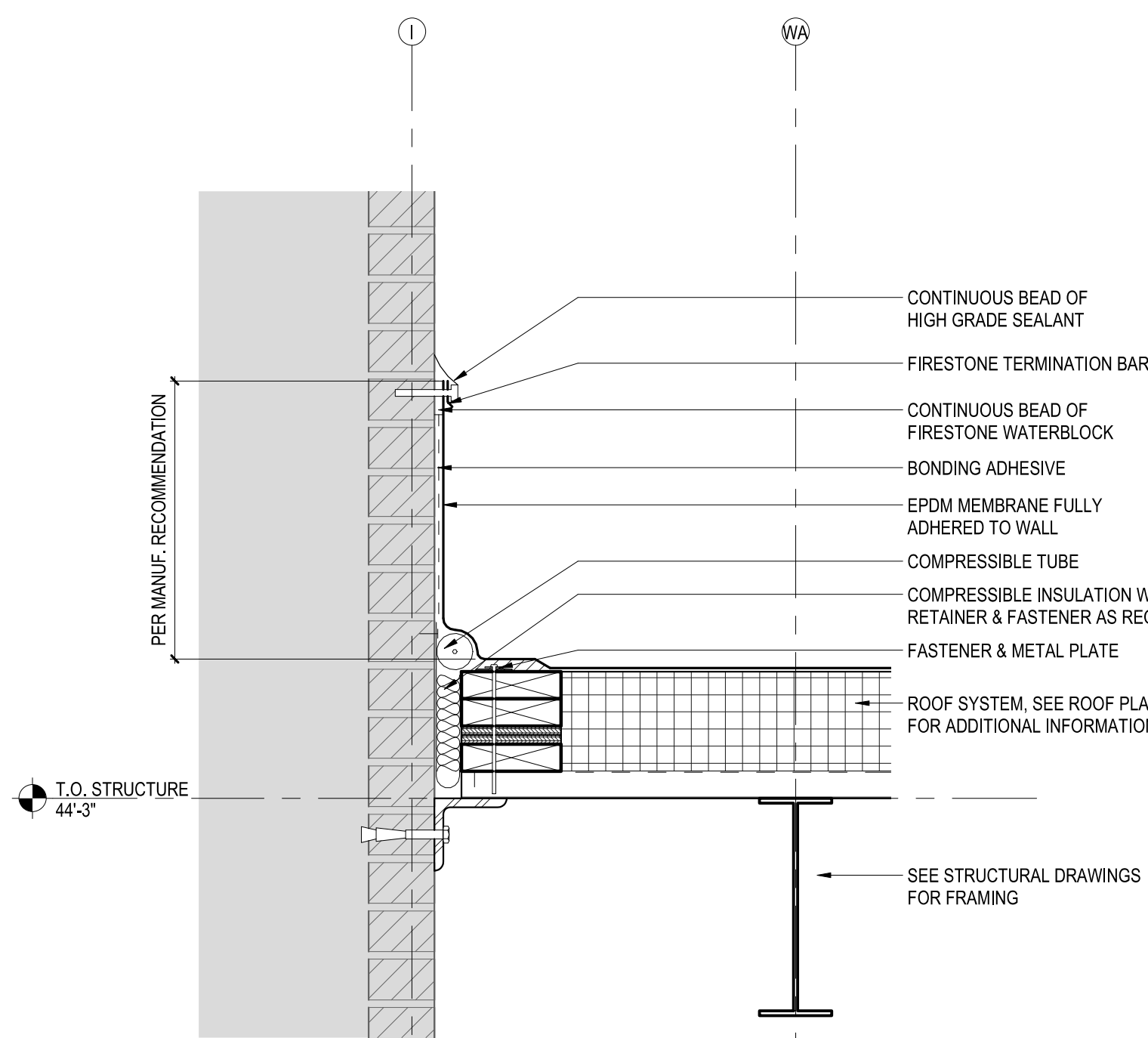
4 SCUPPER ELEVATION
SCALE: 1" = 1'-0"



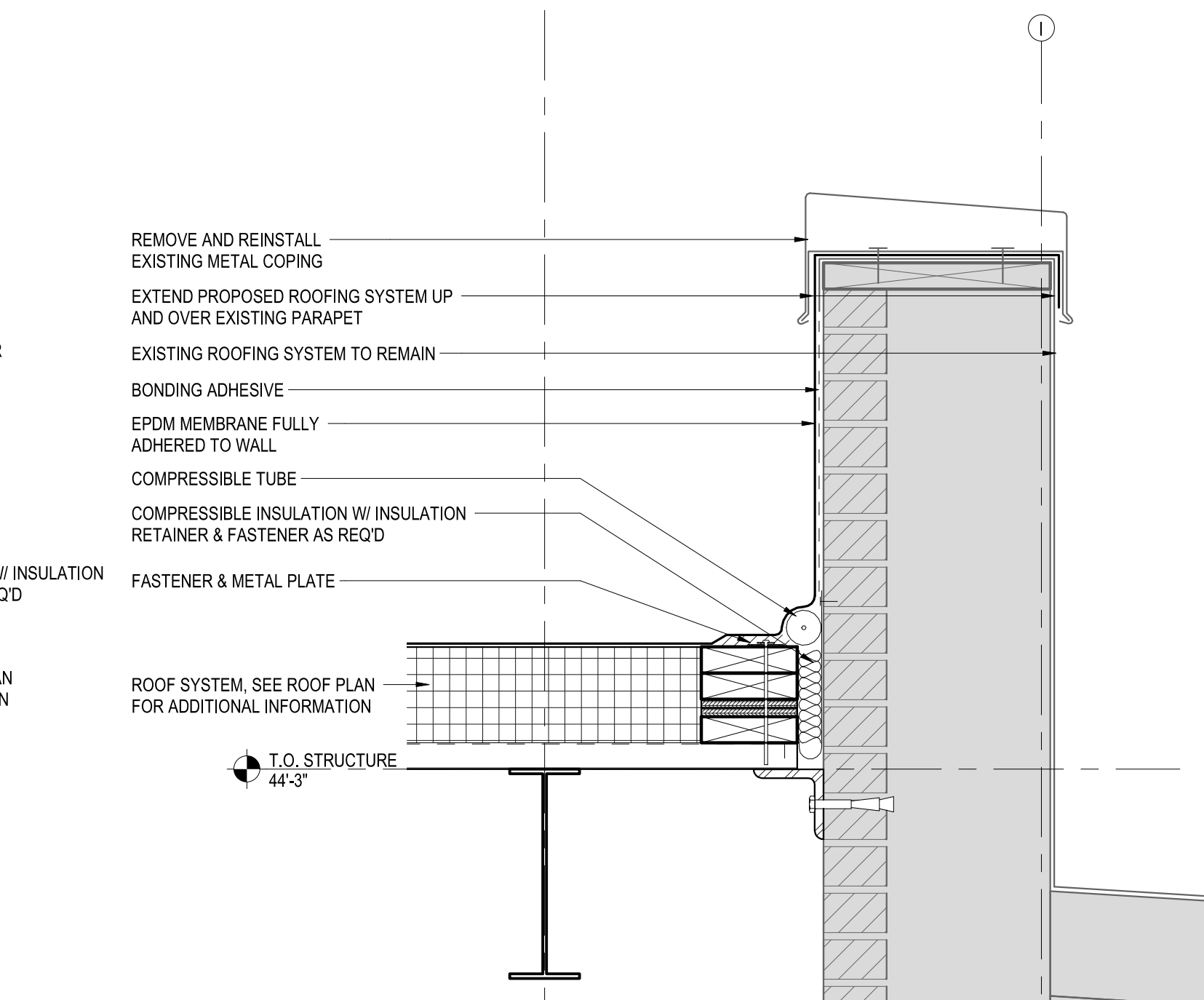
5 WALL TERMINATION DETAIL
SCALE: 1" = 1'-0"



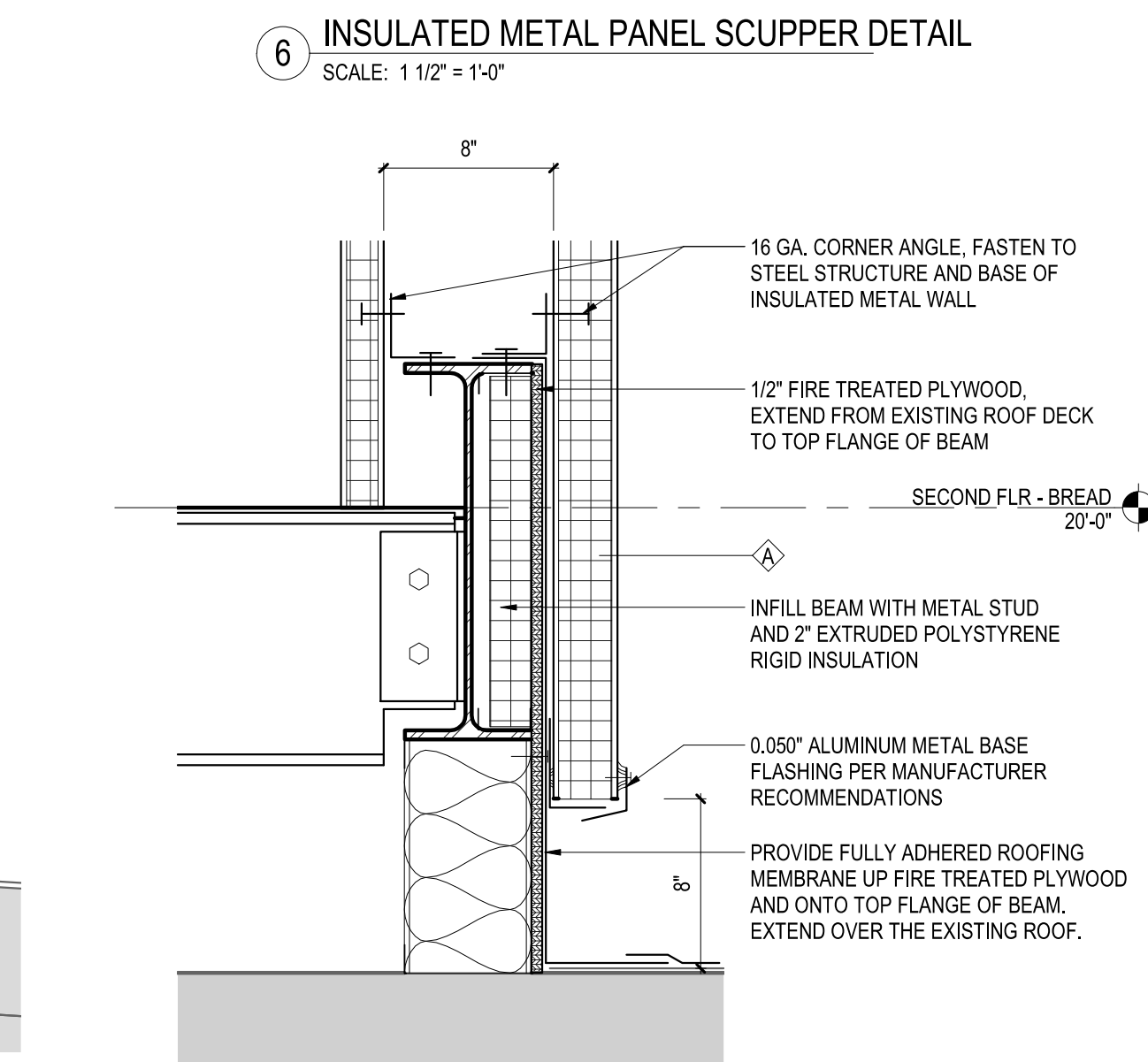
6 INSULATED METAL PANEL SCUPPER DETAIL
SCALE: 1 1/2" = 1'-0"



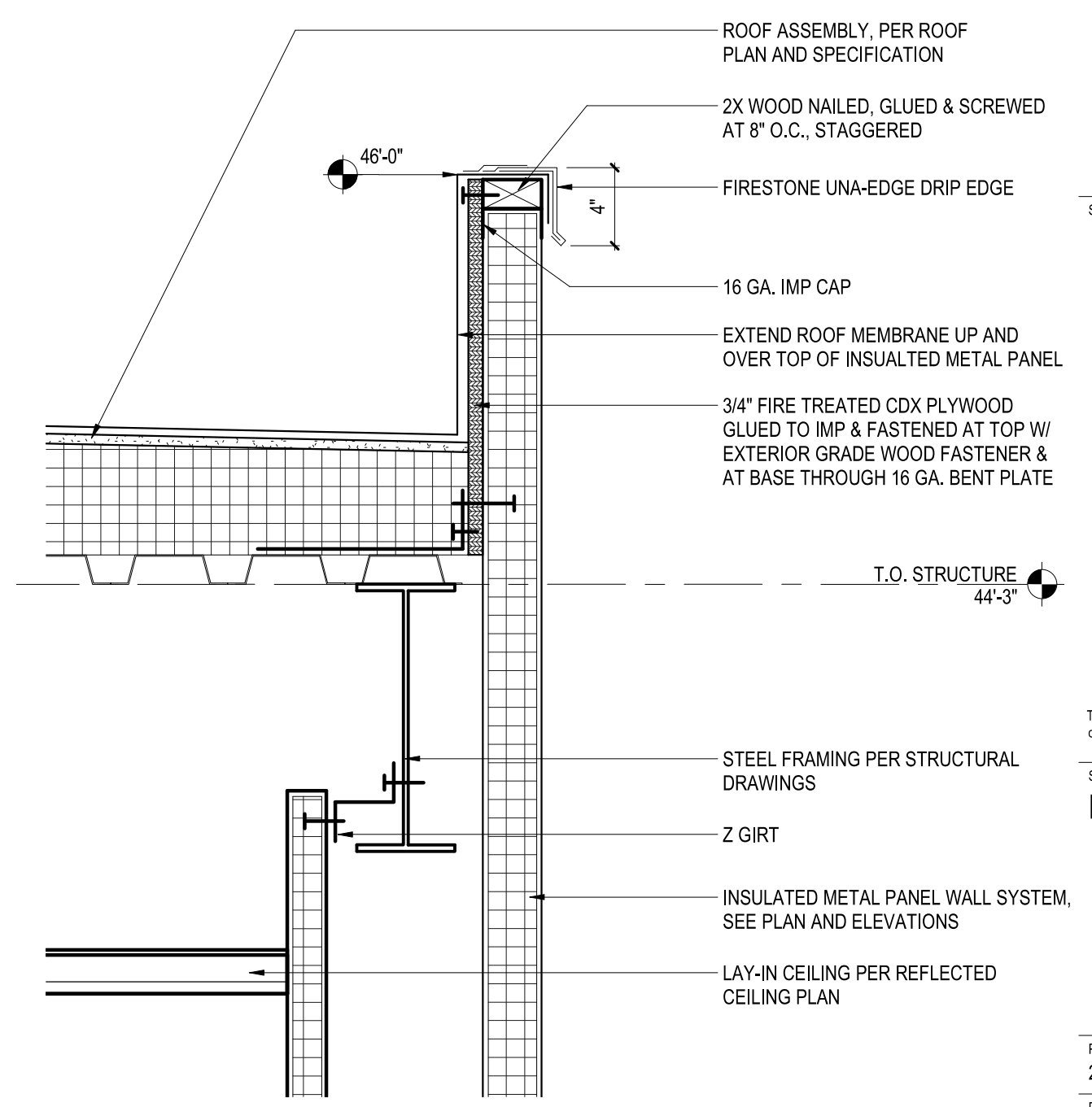
7 ROOF TERMINATION AT BONE BLDG
SCALE: 1 1/2" = 1'-0"



8 ROOF TERMINATION AT BREAD BUILDING
SCALE: 1 1/2" = 1'-0"



9 INSULATED METAL PANEL BASE DETAIL
SCALE: 1 1/2" = 1'-0"



10 INSULATED METAL PANEL PARAPET DETAIL
SCALE: 1 1/2" = 1'-0"

ROOF SPECIFICATIONS:

GENERAL:

- TOP OF ROOF DECK TO TOP OF TAPERED ROOF INSULATION IS TO BE 5.25" (R-30) MIN.
- TAPERED INSULATION SHALL BE PITCHED MIN. 1/4" PER FT.
- ALL TAPERED INSULATION CRICKETS SHALL PITCH MIN. 1/2" PER FT.
- G.C. COORDINATE & VERIFY THAT ALL ROOF WORK IS PERFORMED PER PLANS & SPECIFICATIONS.
- G.C. SHALL COORDINATE ALL PENETRATIONS THRU ROOF W/ APPLICABLE TRADES. SEE STRUCTURAL DWGS FOR APPLICABLE PENETRATION SUPPORT DETAILS.
- MITER ALL COPING CORNERS.
- ALL DETAIL REFERENCE NUMBERS ARE FIRESTONE STANDARDS. USE FIRESTONE STANDARD DETAILS FOR ANY FIELD CONDITION NOT LISTED.

SPECIFICATIONS:

- MEMBRANE SYSTEM TO BE FIRESTONE 60 MIL. EPDM FULLY-ADHERED SYSTEM.
- FMG LISTING: PROVIDE ROOFING MEMBRANE, BASE FLASHINGS & COMPONENT MATERIALS THAT COMPLY WITH REQUIREMENTS IN FMG 4450 & FMG 4470 AS PART OF A MEMBRANE ROOFING SYSTEM & THAT ARE LISTED IN FMG'S "APPROVAL GUIDE" FOR CLASS 1 OR NONCOMBUSTIBLE CONSTRUCTION, AS APPLICABLE. IDENTIFY MATERIALS WITH FMG MARKINGS. ASSEMBLY SHALL MEET 2020 IBC BUILDING CODE, FM I-90 WIND UPLIFT RATING, FMRC CLASS 1 FIRE RATING & FM&R DATA SHEET I-28 STANDARDS. HAIL RESISTANCE: SH.
- PROVIDE A 20-YEAR FULL SYSTEMS WARRANTY.
- ALL WALL CAPS, ROOF EDGES, COPINGS, ETC. TO BE .050" ALUMINUM UNLESS OTHERWISE NOTED. ALL WALL CAPS, ROOF EDGES, COPINGS, ETC. SHALL BE INSTALLED PER NRCA GUIDELINES. PERIMETER COPINGS SHALL BE SECURED PER FM&R DATA SHEET I-49 STANDARDS.
- SHOP DRAWINGS: SUBMIT SHOP DRAWINGS FOR THE ROOFING SYSTEM. INCLUDE PLANS, ELEVATIONS, SECTIONS, DETAILS & ATTACHMENTS TO OTHER WORK.
- 3/4" EXTERIOR GRADE APA RATED PLYWOOD ROOF SHEATHING, INSTALL PER APA RECOMMENDATIONS. INSTALL ALL BLOCKING AND FASTENERS TO MEET THE COMPLETE SYSTEM SPECIFICATIONS AND WIND RATINGS.
- COVERBOARD: 1/2" DENSDECK, INSTALL PER MANUFACTURER'S INSTALLATION INSTRUCTIONS TO COMPLETE SYSTEM SPECIFICATIONS AND WIND RATINGS.
- BONDING ADHESIVE: MANUFACTURER'S STANDARD SOLVENT-BASED BONDING ADHESIVE FOR MEMBRANE & SOLVENT-BASED BONDING ADHESIVE FOR BASE FLASHINGS.
- METAL TERMINATION BARS: MANUFACTURER'S STANDARD PREDRILLED STAINLESS-STEEL OR ALUMINUM BARS, APPROXIMATELY 1 BY 1/8 INCH (25 BY 3 MM) THICK; WITH ANCHORS.
- FASTENERS: FACTORY-COATED STEEL FASTENERS & METAL OR PLASTIC PLATES MEETING CORROSION-RESISTANCE PROVISIONS IN FMG 4470, DESIGNED FOR FASTENING MEMBRANE TO SUBSTRATE & ACCEPTABLE TO MEMBRANE ROOFING SYSTEM MANUFACTURER.
- MISCELLANEOUS ACCESSORIES: PROVIDE POURABLE SEALERS, PREFORMED CONE & VENT SHEET FLASHINGS, PREFORMED INSIDE & OUTSIDE CORNER SHEET FLASHINGS, T-JOINT COVERS, TERMINATION REGLETS, COVER STRIPS & OTHER ACCESSORIES.
- SHEET FLASHING: MANUFACTURER'S STANDARD UNREINFORCED EPDM SHEET FLASHING, 55 MILS (1.4 MM) THICK, MINIMUM, OF SAME COLOR AS SHEET MEMBRANE.
- POLYISOCYANURATE BOARD INSULATION: ASTM C 1289, TYPE I, CLASS 1 ALUMINUM FOIL FASER ON BOTH MAJOR SURFACES. 5.25" (R-30) INSULATION FASTENED PER FMRC APPROVAL GUIDE & FM&R DATA SHEET I-28 STANDARDS & INSTALLED PER MEMBRANE ROOFING SYSTEM MANUFACTURER'S WRITTEN INSTRUCTIONS FOR INSTALLING ROOF INSULATION. PROVIDE ROOF INSULATION ACCESSORIES RECOMMENDED BY INSULATION MANUFACTURER FOR INTENDED USE & COMPATIBLE WITH MEMBRANE ROOFING.
- FLEXIBLE WALKWAYS: FACTORY-FORMED, NONPOROUS, HEAVY-DUTY, SOLID-RUBBER, SLIP-RESISTING, SURFACE-TEXTURED WALKWAY PADS OR ROLLS, APPROXIMATELY 3/16 INCH (5 MM) THICK & ACCEPTABLE TO MEMBRANE ROOFING SYSTEM MANUFACTURER. WALKWAYS WILL BE LOCATED AROUND ALL RTUS AND EQUIPMENT STANDS.
- INSTALL ROOFING MEMBRANE OVER AREA TO RECEIVE ROOFING ACCORDING TO MEMBRANE ROOFING SYSTEM MANUFACTURER'S WRITTEN INSTRUCTIONS. UNROLL ROOFING MEMBRANE & ALLOW TO RELAX BEFORE INSTALLING.
- INSTALL SHEET FLASHINGS, PREFORMED FLASHING ACCESSORIES & WALKWAY PRODUCTS & ADHERE TO SUBSTRATES ACCORDING TO MEMBRANE ROOFING SYSTEM MANUFACTURER'S WRITTEN INSTRUCTIONS.
- FINAL ROOF INSPECTION: ARRANGE FOR ROOFING SYSTEM MANUFACTURER'S TECHNICAL PERSONNEL TO INSPECT ROOFING INSTALLATION ON COMPLETION & SUBMIT REPORT TO ARCHITECT.



OWNER:
MILK BONE
243 URBAN STREET
BUFFALO, NY 14211

PROJECT:
CONVEYOR WALKWAY
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SHEET TITLE:
ROOF PLAN & DETAILS

PROJECT NUMBER:
2021-003
PLOT DATE:
5/21/2021 1:16:42 PM

SHEET:
A2

LIGHT FIXTURE SCHEDULE							
No.	QTY	DESCRIPTION	MFGR	MODEL No.	LAMPS	WATTAGE	COMMENTS
A	2	2x4 LED TROFFER	LITHONIA LIGHTING	2SRTL-G-L48-10000LMIAW-AFL-MV/OLT-G21-40K-80CRI	LED	80 W	
AE	2	2x4 LED TROFFER - EMERGENCY	LITHONIA LIGHTING	2SRTL-G-L48-10000LMIAW-AFL-MV/OLT-G21-40K-80CRI-E10W/PCP	LED	80 W	PROVIDE WITH BATTERY BACK-UP
B	2	WALL MOUNT EXIT SIGN W/ BATTERY BACKUP - SINGLE FACE	CON-TECH	REXASFGEM-P	LED		

DOOR SCHEDULE										
#	DOOR			TYPE	MAT.	FRAME		GLASS	HDWR.	COMMENTS
	W	H	T			TYPE	MAT.			
101B	3'-0"	6'-10"	1 3/4"	D1	HM	F1	HM	--	H1	1.5 HOUR RATED DOOR AND FRAME
101A	6'-0"	9'-0"	--	D2	STL	F2	STL	--	H2	1.5 HOUR RATED COLLING DOOR
101C	3'-0"	7'-0"	1 3/4"	D1	HM	F1	HM	--	H1	1.5 HOUR RATED DOOR AND FRAME

FINISHES LEGEND

- EPOXY PAINT:**
 EPT-1 GYPSUM WALLS
 MFG: 'SHERWIN WILLIAMS'
 PRIME COAT: PRIMER SEALER, LATEX, INTERIOR, SW PROMAR 200
 LOW VOC INTERIOR LATEX PRIMER
 INTERMEDIATE COAT: EPOXY, MATCHING TOPCOAT,
 SW PRO INDUSTRIAL HIGH PERFORMANCE EPOXY, GLOSS, PART A
 B67-200 SERIES, PART B B67V200 HARDENER
 TOP COAT: EPOXY, GLOSS, SW PRO INDUSTRIAL HIGH
 PERFORMANCE EPOXY, GLOSS, PART A B67-200 SERIES, PART B
 B67V200 HARDENER; MPI#98
- CEILINGS:**
 ACT-1 2X4' ACOUSTIC PANEL CEILING SYSTEM
 MFG: ARMSTRONG
 STYLE: KITCHEN ZONE, 2X4'
 EDGE: SQUARE
 GRID: PRELUDE, 15/16"
 GRID FINISH: WHITE

DOOR TYPES

- D1** HM 1 3/4" 16 GA SHOP PRIMED HOLLOW METAL DOOR, PAINT COLOR/FINISH PER BUILDING STANDARD.
- D2** STL MOTORIZED ROLLING GALVANIZED STEEL FIRE DOOR WITH INTERLOCKING SLATS MODEL NO. 'ERD10' BY CORNELL. POLYESTER ENAMEL FINISH SHALL BE WHITE.

FRAME TYPES

- F1** HM 16 GA, HOLLOW METAL FRAME, MASONRY TYPE, 4" HEAD, MIN (3) ANCHORS PER JAMB, FINISH TO BE PAINTED PER FINISH SCHEDULE.
- F2** STL STRUCTURAL STEEL FACE OF WALL Z GUIDES FOR MASONRY WITH POWDER COATED FINISH AND GALVANIZED STEEL HOOD.

DOOR HARDWARE TYPES

- ALL HARDWARE MANUFACTURERS, SERIES AND FINISHES TO MATCH FACILITY STANDARD.
 - CLOSERS TO BE INSTALLED ON FIRE RATED DOORS AS REQUIRED BY CODE.
 - COORDINATE KEYING REQUIREMENTS WITH OWNER AND TENANT.
- H1** PASSAGE DOORS
 (1) 1/2" PAIR BUTT HINGES - STANLEY FB8179
 (1) CLOSER - SURFACE MOUNTED CLOSER - LCN 4050
 HEAVY DUTY CLOSER, CAST ALUMINUM CLOSER WITH METAL COVER
 (1) PASSAGE SET - SCHLAGE SERIES 4000 - GRADE 1 ATHENS ND10S
- H2** MOTORIZED ROLLING FIRE DOOR
 (1) COUNTER-BALANCED STEEL SHAFT
 (1) BOTTOM BAR POWDER COATED WHITE

DOOR, FRAME & HARDWARE NOTES

- PROVIDE ARCHITECT WITH SHOP DRAWINGS FOR ALL DOORS & HARDWARE FOR APPROVAL PRIOR TO WORK EFFORTS.
- ALL HOLLOW METAL DOORS & FRAMES SHALL BE MANUFACTURED BY AN S.D.I. APPROVED MANUFACTURER.
 - ALL HOLLOW METAL DOORS & FRAMES SHALL HAVE BAKED ON PRIMER FINISH.
 - ALL DOORS & FRAMES SHALL BE REINFORCED & PREPARED FOR HARDWARE.
 - COORDINATE WIDTH, HEIGHT, RATING & ACCESSORIES WITH DOOR SCHEDULE & OWNER.
 - ALL FRAMES FOR FIRE RATED DOORS SHALL BE FIRE RATED, FRAME RATING TO MATCH DOOR RATING.
 - VERIFY ALL FRAME DEPTHS WITH WALL TYPES, PROVIDE WRAP AROUND FRAMES AT ALL WOOD/METAL STUD WALLS.
 - PROVIDE BACK BOXES FOR ALL HARDWARE ITEMS INCLUDING ELECTRICAL.
 - ALL INTERIOR DOOR FRAMES TO BE PAINTED PX. (SEMI-GLOSS FINISH). REFER TO FINISH LEGEND FOR ADDITIONAL INFO.
 - ALL DOOR HARDWARE SHALL BE COMPLIANT WITH THE LATEST ADA / ANSI STANDARDS.
 - ANY HARDWARE ITEM NOT SPECIFICALLY CALLED OUT, BUT REQUIRED TO MAKE ANY ASSEMBLY OPERATIONAL, SHALL BE INCLUDED BY THE HARDWARE SUPPLIER IN THEIR BASE BID.
 - COORDINATE ALL DOORS WITH OWNERS KEYING REQUIREMENTS.
 - PROVIDE SILENCERS ON ALL DOORS.
 - CONTRACTOR SHALL COORDINATE ANY SPECIALTY DOOR HARDWARE IN FIELD W/ OWNER PRIOR TO CONSTRUCTION.
 - COORDINATE LOCATION OF DOOR STOPS IN FIELD W/ OWNER & ARCHITECT PRIOR TO INSTALLATION.
 - APPROXIMATELY (6) MONTHS AFTER ACCEPTANCE OF HARDWARE, THE INSTALLER, W/ MANUFACTURER'S REPRESENTATIVE, SHALL RETURN TO PROJECT & READJUST HARDWARE TO RESTORE PROPER FUNCTION OF DOORS AND HARDWARE. CONSULT & INSTRUCT OWNERS PERSONNEL IN RECOMMENDED ADDITIONS TO MAINTENANCE PROCEDURES. REPLACE HARDWARE THAT HAS FAILED DUE TO FAULTY MATERIALS. DESIGN OR INSTALLATION, PREPARE WRITTEN REPORT OF CURRENT & PREDICTABLE PROBLEMS OF A SUBSTANTIAL NATURE IN HARDWARE PERFORMANCE.



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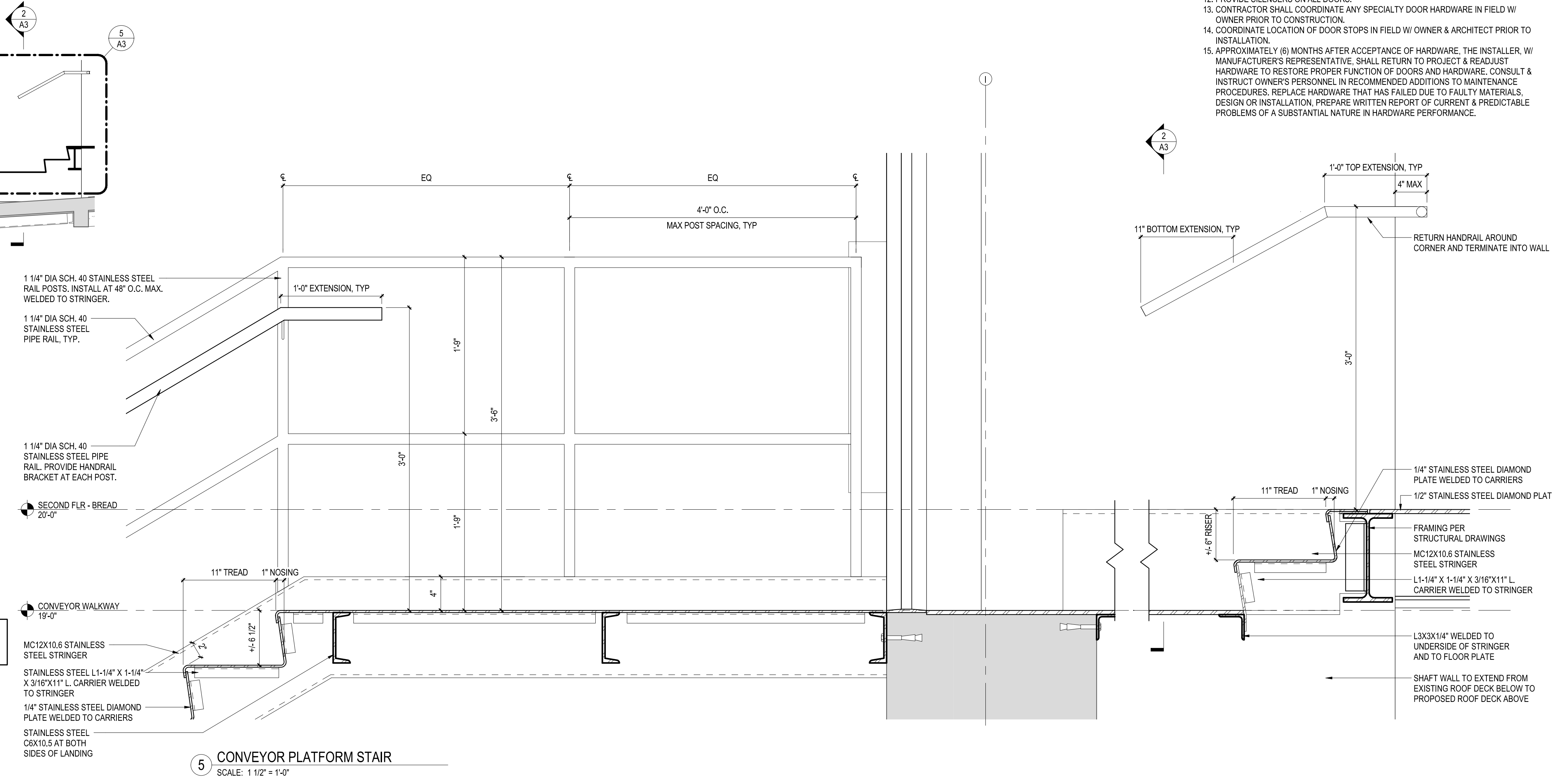
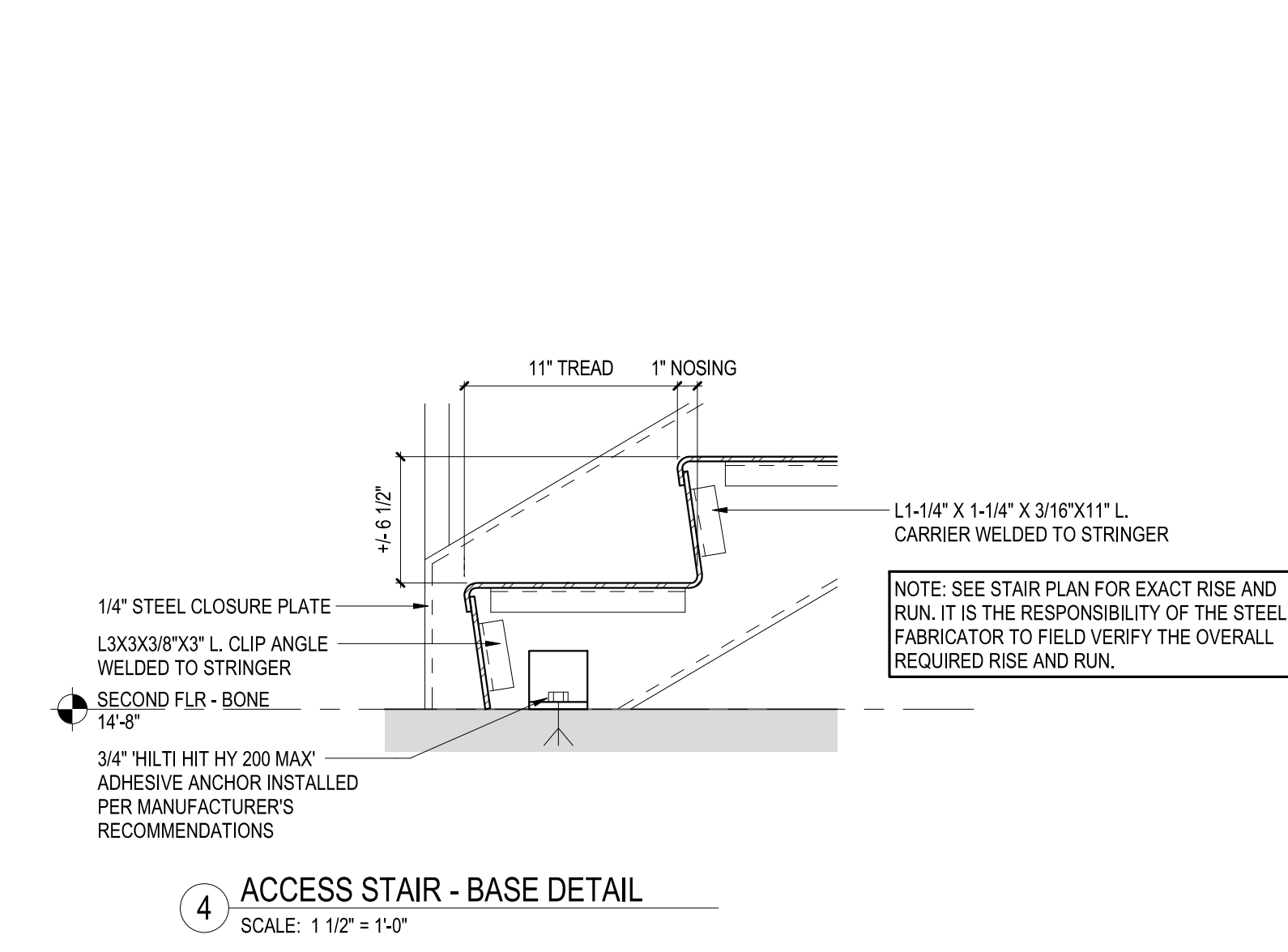
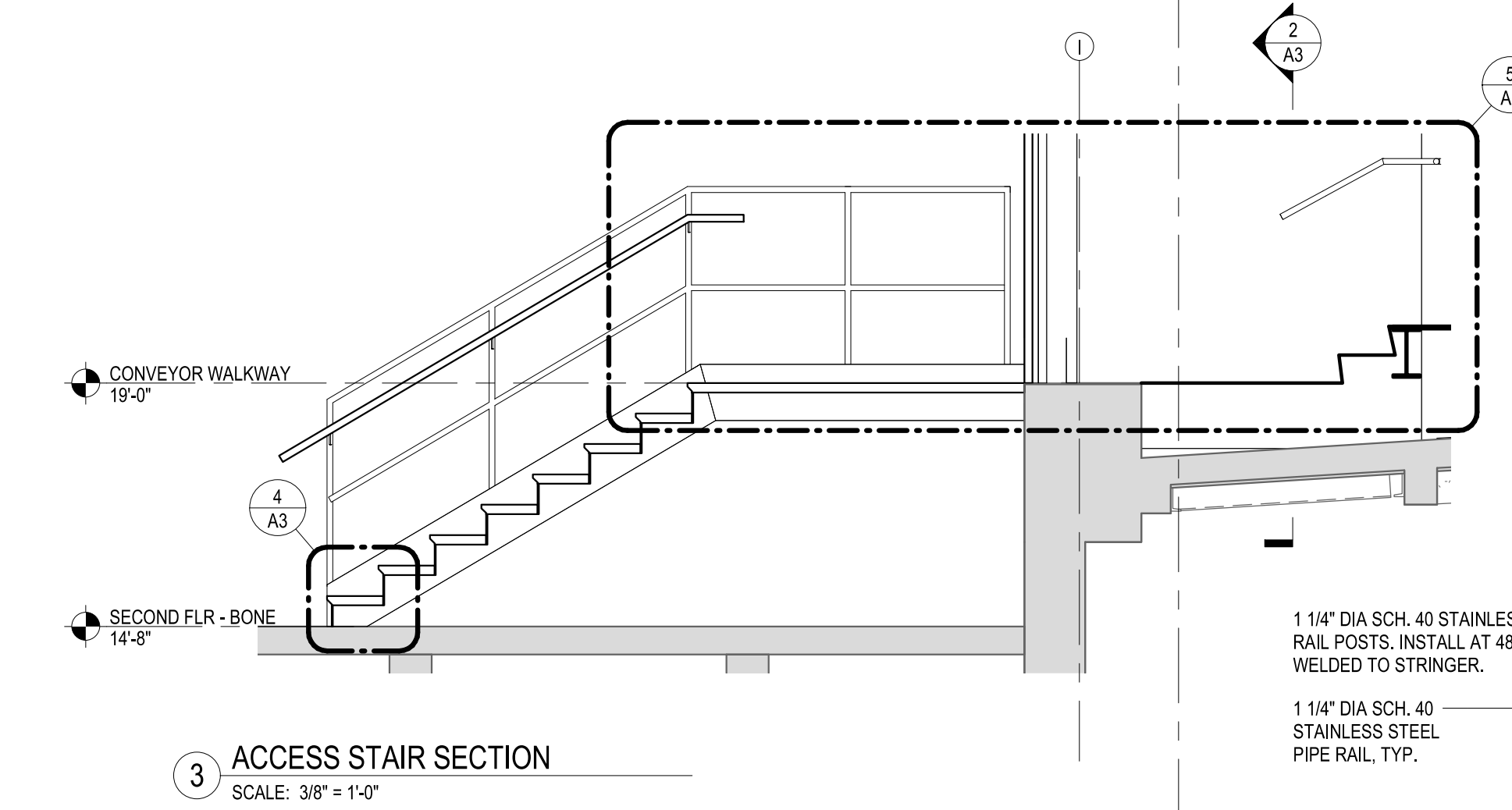
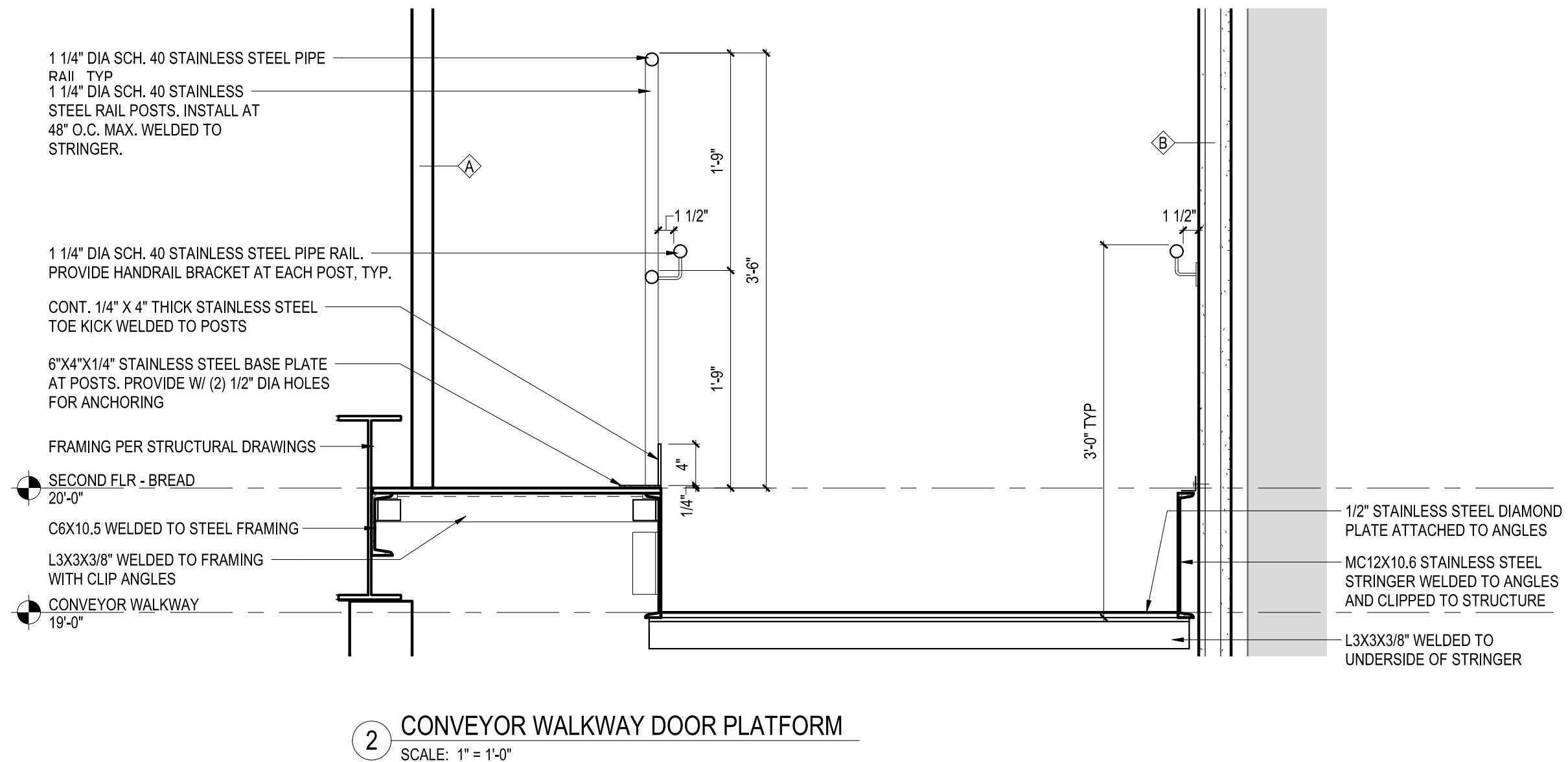
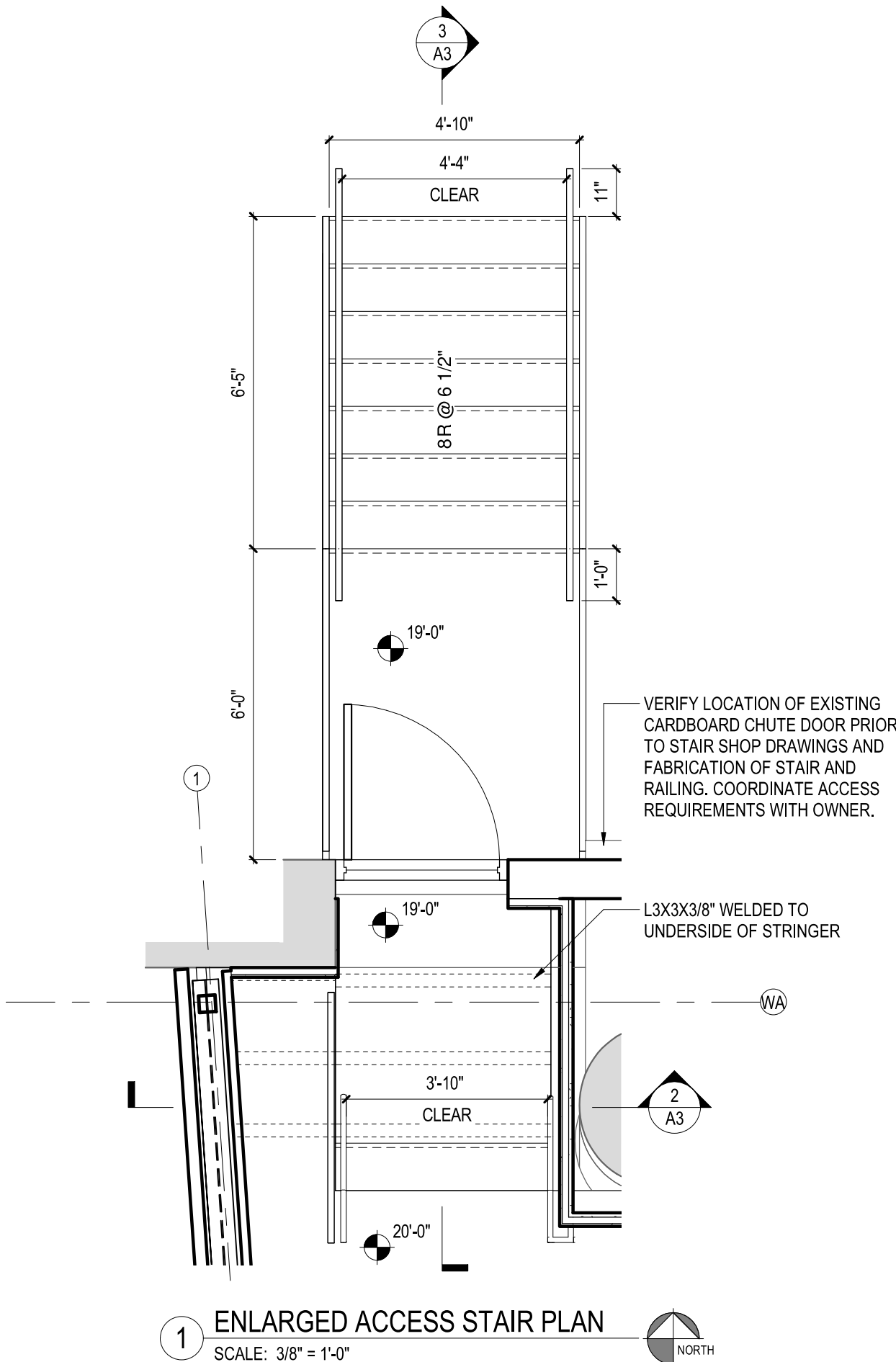
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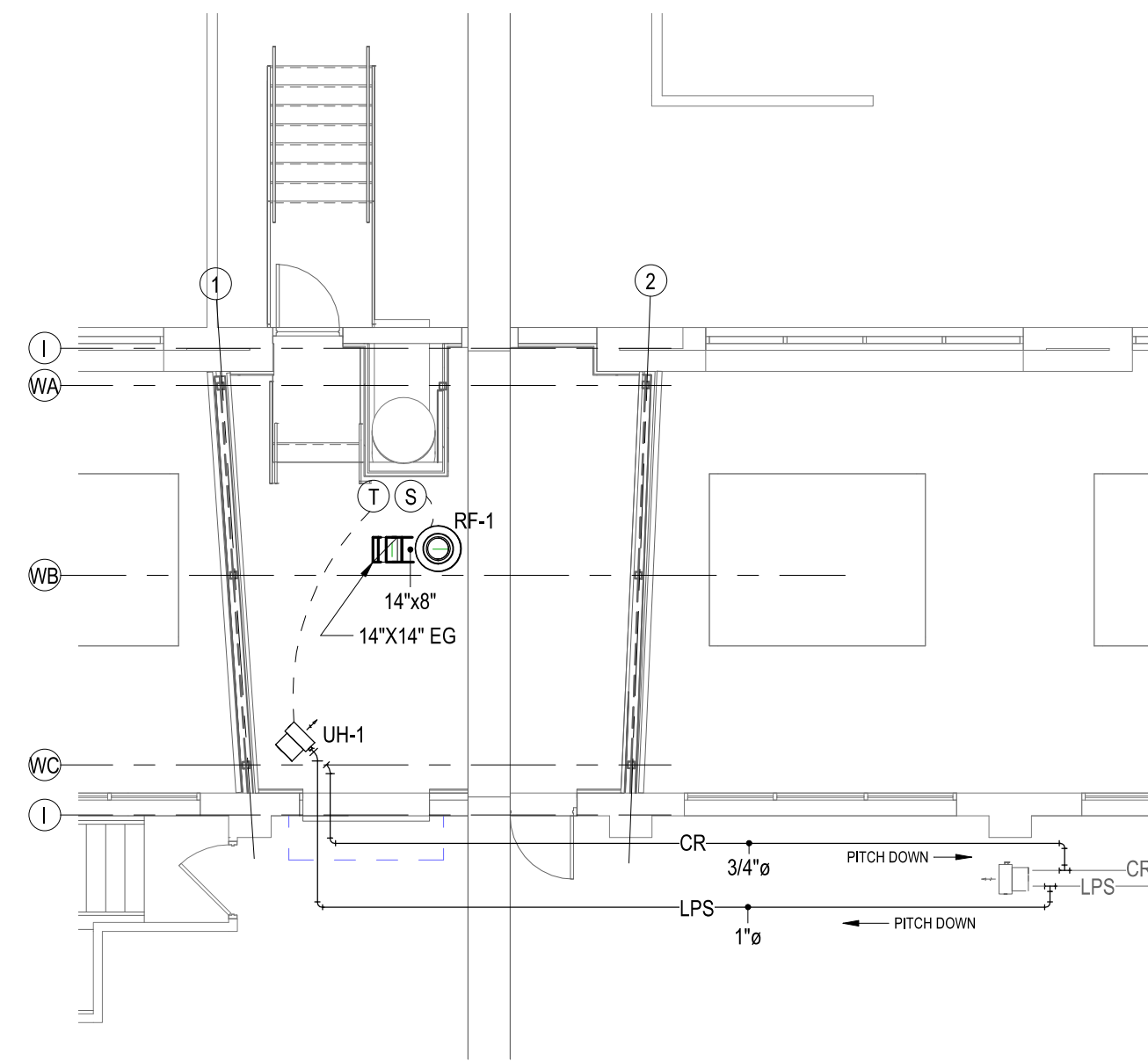
SHEET TITLE
STAIR DETAILS & DOOR SCHEDULE

PROJECT NUMBER
 2021-003

PLOT DATE
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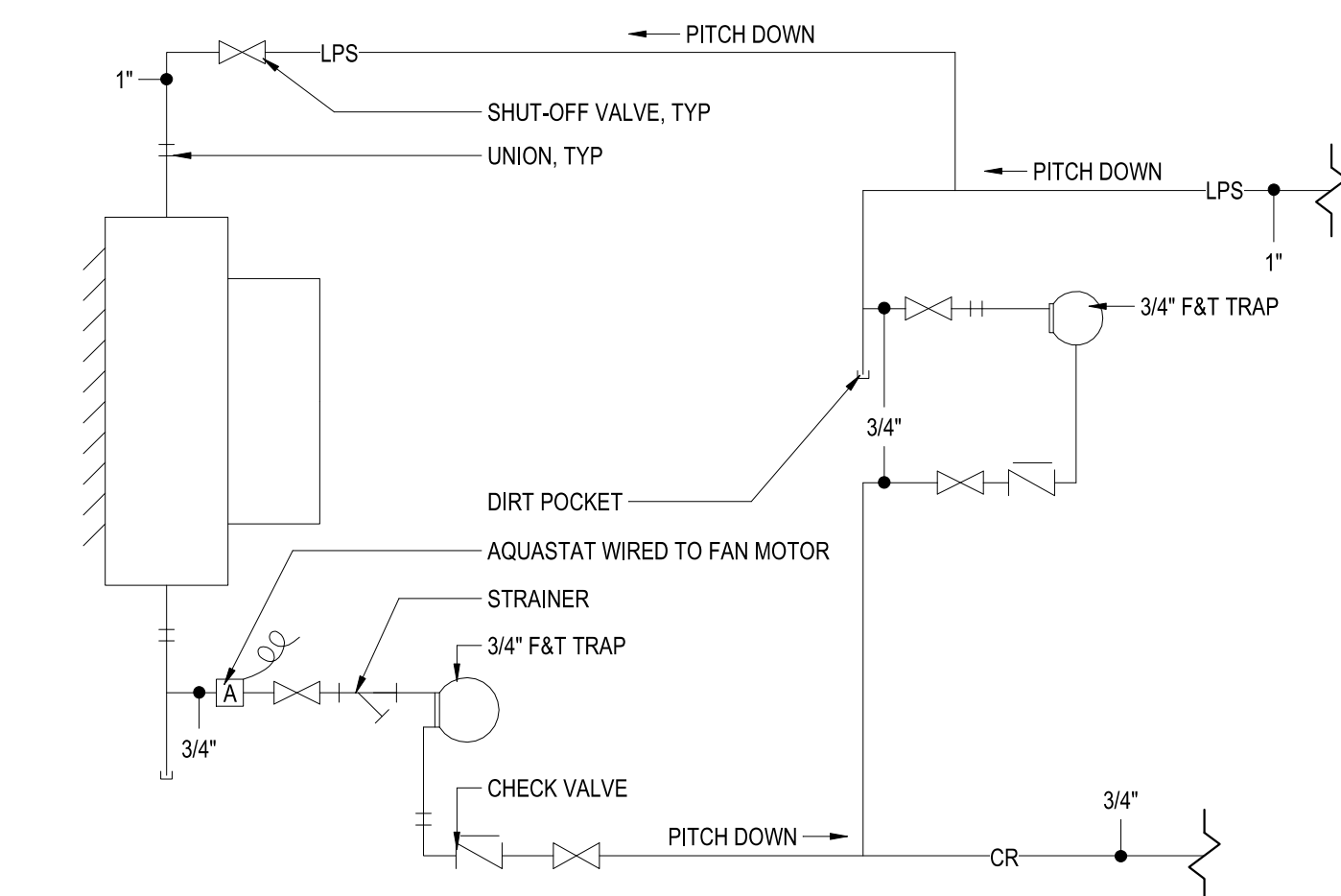




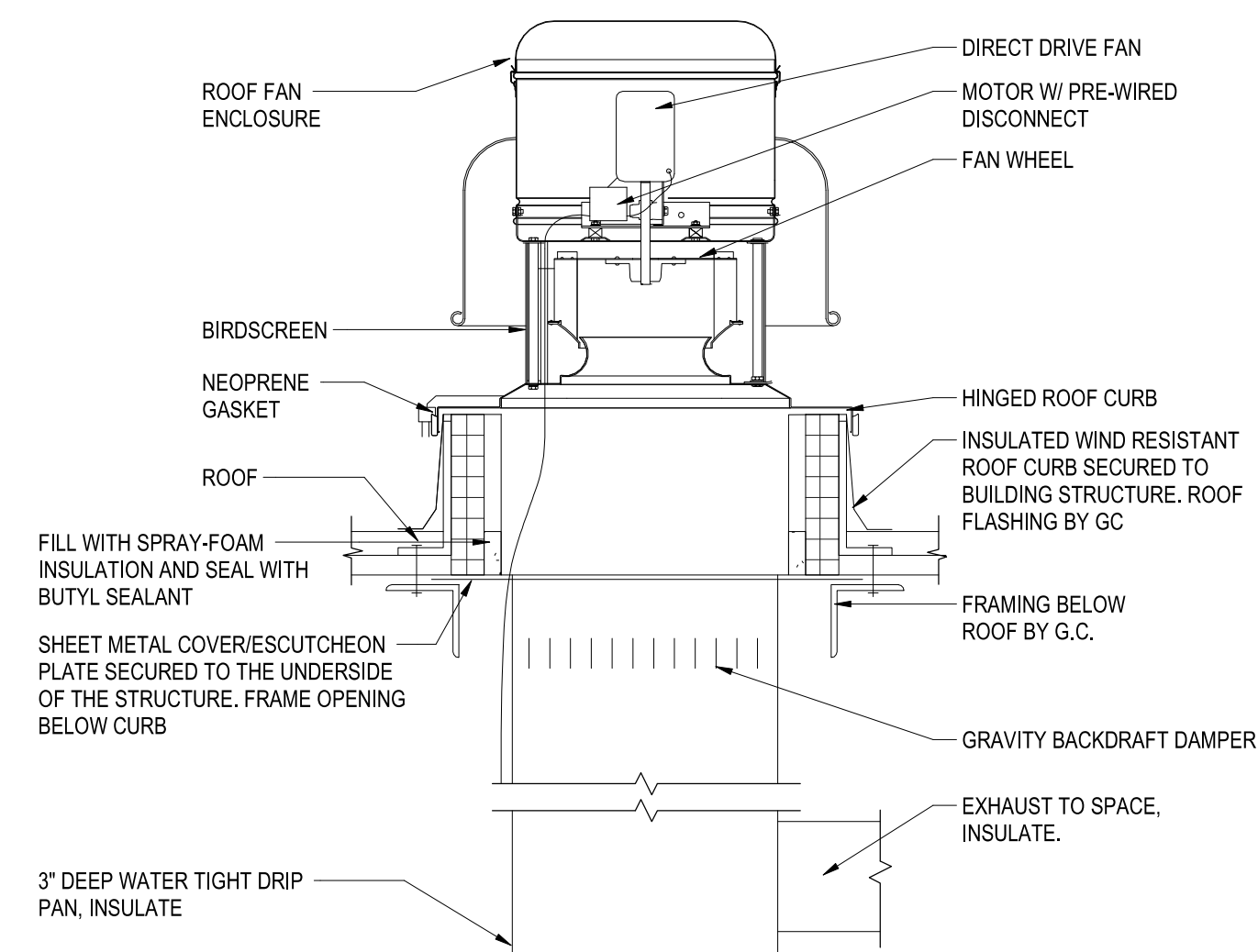
1 MECHANICAL PLAN - CONVEYOR WALKWAY
SCALE: 1/8" = 1'-0"

MECHANICAL LEGEND

- (T) THERMOSTAT
- (S) ROOM TEMPERATURE SENSOR
- LPS— LOW PRESSURE STEAM SUPPLY
- CR— CONDENSATE RETURN



2 PROPELLER UNIT HEATER & DRIP TRAP PIPING DETAIL
SCALE: NTS



3 EXHAUST FAN DETAIL
SCALE: NTS

EXHAUST FAN SCHEDULE

TAG	MFG.	MODEL	SERVICE	TYPE	CFM	ESP	FAN RPM	DRIVE	MOTOR				PHYSICAL DATA		COMMENTS
									HP	VOLTS	PH	SONES	ROOF OPENING	LBS.	
RF-1	GREENHECK	G-090-VG	CONVEYOR WALKWAY	ROOF	500 CFM	0.250 in-wg	1341	DIRECT	0.1	115 V	1	5.7	12.5' x 12.5'	29	1-5

- COMMENTS:
1. PROVIDE FACTORY MOUNTED AND WIRED DISCONNECT SWITCH.
 2. PROVIDE GRAVITY BACKDRAFT DAMPER.
 3. PROVIDE MANUFACTURERS ROOF CURB.
 4. PROVIDE PACKAGED "VARI-GREEN" ECM MOTOR DRIVE.
 5. PROVIDE "VARI-GREEN" ADJUSTABLE DIAL SPEED CONTROLLER - FIELD MOUNTED.

PROPELLOR UNIT HEATER SCHEDULE

TAG	MFG.	MODEL	SERVICE	OUTPUT (BTU/HR)	CFM	OUTLET FPM	OUTPUT	EAT (°F)	LAT (°F)	HP	ELECTRICAL		COMMENTS
											VOLTS	PH	
UH-1	RITTLING	RH-24	CONVEYOR WALKWAY	24000	450 CFM	580 CFM	24000 Btu/h	60	102	0.03	120 V	1	1-7

- COMMENTS:
1. PROVIDE LOW PRESSURE STEAM. VERIFY STEAM PRESSURE IN FIELD.
 2. PROVIDE DISCONNECT SWITCH.
 3. PROVIDE FAN GUARD PER OSHA REQUIREMENTS.
 4. PROVIDE HORIZONTAL DEFLECTION LOUVERS.
 5. PROVIDE WITH FACTORY SUPPLIED THERMOSTAT.
 6. PROVIDE HANGING KIT AND SUPPORT FROM STRUCTURE.

MECHANICAL SPECIFICATIONS

PIPE AND FITTINGS:

ALL PIPING AND FITTING SELECTION, APPLICATION, AND INSTALLATION SHALL BE IN ACCORDANCE WITH THE FOLLOWING STANDARDS:
 AMERICAN SOCIETY FOR TESTING STANDARDS (ASTM).
 AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME).
 AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI).

PIPE, VALVES, AND FITTINGS:

PIPE AND FITTINGS
 STEEL PIPE, NPS 2 AND SMALLER:
 ASTM A 53, TYPE S (SEAMLESS), GRADE A, SCHEDULES 40 AND 80, BLACK STEEL, PLAIN ENDS
 STEEL PIPE NPS 2-1/2" AND LARGER:
 ASTM A 53, TYPE E (ELECTRIC RESISTANCE WELDED), GRADE A, SCHEDULES 40 AND 80, BLACK STEEL, PLAIN ENDS
 STEEL PIPE NIPPLES:
 ASTM A 753, MADE OF ASTM A 53, SCHEDULES 40 AND 80, BLACK STEEL SEAMLESS FOR NPS 2 AND SMALLER AND ELECTRIC RESISTANCE WELDED FOR NPS 2-1/2 AND LARGER
 CAST-IRON THREADED FITTINGS:
 ASME B16.4, CLASSES 125, 150, AND 300.
 MALLEABLE-IRON THREADED FITTINGS:
 ASME B16.3, CLASSES 150 AND 300.
 MALLEABLE-IRON UNIONS:
 ASME B16.39, CLASSES 150, 250, AND 300.
 CAST-IRON THREADED FLANGES AND FLANGED FITTINGS: ASME B16.1, CLASSES 125 AND 250, RAISED GROUND FACE, AND BOLT HOLES SPOT FACED.

FLOAT AND THERMOSTATIC TRAPS:
 ASTM A 126, CAST IRON BODY AND BOLTED CAP, RENEWABLE, STAINLESS STEEL FLOAT MECHANISM WITH RENEWABLE HARDEND STAINLESS STEEL HEAD AND SEAT, MAXIMUM OPERATING PRESSURE OF 125 PSIG, BALANCED PRESSURE, STAINLESS-STEEL OR MONRYL, THERMOSTATIC BELLOW ELEMENT, THERMOSTATIC AIR VENT CAPABLE OF WITHSTANDING 48°F OF SUPERHEAT AND RESISTING WATER HAMMER WITHOUT SUSTAINING DAMAGE.

Y PATTERN STRAINERS: 250 PSIG WORKING STEAM PRESSURE, ASTM A 126, CLASS B CAST-IRON BODY, STAINLESS STEEL SCREEN, NO. 20 MESH FOR NPS 2 AND SMALLER AND MANUFACTURERS RECOMMENDED PERFORATIONS FOR NPS 2-1/2" AND LARGER, TAPPED BLOWOFF PLUS, THREADED CONNECTIONS FOR STRAINERS NPS 2 AND SMALLER, AND FLANGED CONNECTIONS FOR STRAINERS 2-1/2" AND LARGER.

BALL VALVES:
 LOCATION: ALL SHUT-OFF VALVES ON WATER PIPING 2" AND SMALLER.
 GENERAL: BALL VALVES SHALL BE METRAFLEX MILWAUKEE, WATTS OF NIBCO. VALVES SHALL BE 150 PSI, TWO PIECE CONSTRUCTION WITH ANTI-BLOWOUT STEM. VALVES SHALL BE CONSTRUCTED OF BRASS AND HAVE TEFLON SEATS.

INSULATION-PIPING:

PROVIDE ALL LABOR, MATERIALS, ETC., REQUIRED TO PRODUCE A COMPLETE FINISH INSULATION SYSTEM FOR THE FOLLOWING SYSTEM:
 SLAB HEATING SYSTEM PIPING (ABOVE GRADE WITHIN BUILDING).

FLAME/SMOKE RATINGS:
 PROVIDE COMPOSITE MECHANICAL INSULATION (INSULATION JACKETS, COVERINGS, SEALERS, MASTICS, AND ADHESIVES) WITH FLAME-SPREAD RATING OF 250R LESS AND SMOKE DEVELOPED RATING OF 150 OR LESS AS TESTED BY ANSI/ASTM E84 (NFPA 255) METHODS.

TYPE: "FIBERGLASS 25" ASJ (ALL SERVICE JACKET) GLASS FIBER OR EQUAL. GLASS FIBER SHALL BE HEAVY DENSITY RIGID GLASS FIBER MOLDED SNAP-ON SECTION WITH A WHITE VINYL JACKET AND VAPOR BARRIER LAMINATE OF ALUMINUM FOIL AND GLASS FIBER REINFORCED KRAFT PAPER.
 FITTINGS: INCLUDE PUMPS, VALVES, SPECIALTIES, ETC... COVER FITTINGS WITH BLANKET INSULATION (SAME THICKNESS AS ADJACENT PIPE INSULATION), SECURE WITH TWINE, INSTALL "ZESTONS" ONE PIECE PRE-MOLDED COVER, SECURE WITH "ZESTONS" TAPE.
 HANGERS: PROVIDE CALCIUM SILICATE INSULATION AT EACH HANGER.
 APPLICATION: ALL SEAMS, LAPS, AND END JOINTS WILL BE SEALED BY SELF-SEALING LAP ON JACKET OR JOINT SEALING STRIPS INSTALLED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS AND STAPLED, WHERE STAPLES ARE USED, THEY SHALL BE FLOOD SEALED BENJAMIN FOSTER 30-36 OR EQUAL MASTIC.
 THICKNESS:
 PIPE SIZE ≤ 1.5" = 1.5" THICKNESS

MANUFACTURERS: OWNS-CORNING, CERTAINTEED, ARMSTRONG.

DUCTWORK AND ACCESSORIES:

TYPE SYSTEM: LOW PRESSURE. ALL DUCTWORK AND FITTINGS, SELECTIONS, APPLICATIONS AND INSTALLATION SHALL BE IN ACCORDANCE WITH "SMANCA" - "HVAC DUCT CONSTRUCTION STANDARDS". CONSTRUCTION: LOW PRESSURE DUCTWORK SHALL BE CONSTRUCTED OF GALVANIZED STEEL SHEETS. DUCTWORK SHALL CONFORM ACCURATELY TO THE DIMENSIONS INDICATED, AND SHALL BE STRAIGHT AND SMOOTH ON THE INSIDE WITH JOINTS NEATLY FINISHED. DUCTS SHALL BE SECURE AND ANCHORED TO THE BUILDING STRUCTURAL COMPONENTS AND FRAMING, AND SHALL BE FABRICATED AND SUPPORTED IN SUCH A MANNER TO PREVENT VIBRATION AND PULSATION UNDER OPERATING CONDITIONS. BUTTON PUNCH OR BOLD CONNECTIONS IN STANDING SEAMS SHALL BE SPACED AT NOT GREATER THAN 6-INCH ON CENTERS. LONGITUDINAL LOCKS OR SEAMS TERMED "BUTTON PUNCH SNAP LOCK" ARE ACCEPTABLE IN LIEU OF PITTSBURG LOCKS. ELBOWS SHALL BE RADIUS TYPE WITH A CENTER RADIUS OF 1-1/2 TIMES THE WIDTH OR DIAMETER OF THE DUCT, WHERE SPACE DOES NOT PERMIT, THE USE OF SHORT RADIUS ELBOWS HAVING A MINIMUM RADIUS OF 1.0 TIMES THE WIDTH OR DIAMETER OF THE DUCT, OR SQUARE ELBOWS WITH FACTORY FABRICATED TURNING VANES MAY BE USED. ALL DUCT JOINTS AND TRANSVERSE AND LONGITUDINAL SEAMS SHALL BE SEALED WITH A LATEX TYPE DUCT SEALER APPROVED BY THE ENGINEER. FITTINGS: SQUARE ELBOWS, FITTINGS, AND BRANCH TAKE-OFFS SHALL BE DESIGNED AND CONSTRUCTED AS SPECIFIED IN SMACNA. ALL GENERAL VENTILATION ITEMS SHALL COMPLY WITH NFPA BULLETIN 90A. SLEEVED AND FRAMED OPENINGS: SPACE BETWEEN THE SLEEVED OR FRAMED OPENING AND THE DUCT AND THE DUCT INSULATION SHALL BE PACKED WITH MINERAL WOOL OR OTHER APPROVED MATERIAL TO MEET THE REQUIREMENTS OF WALL CONSTRUCTION FOR SMOKE OR FIRE CONTROL.

UNIT HEATERS:

SEE THE SCHEDULES ON THE PLANS.
 ACCEPTABLE MANUFACTURERS: RITTLING, STERLING, MODINE

ROOF MOUNTED EXHAUST FANS:

SEE SCHEDULES ON THE PLANS.
 ACCEPTABLE MANUFACTURERS: GREENHECK, COOK.

ADJUSTING, BALANCING, TESTING, AND INSPECTION:

TESTING, BALANCING, AND ADJUSTING:
 ALL HYDRONIC AND AIR SYSTEMS SHALL BE BALANCED. TESTING, BALANCING, AND ADJUSTING SHALL BE PERFORMED BY FIRMS IN COMPLIANCE WITH THE PARAGRAPH ON PERFORMANCE.
 FIELD TESTS:
 PROPOSED TESTING PROGRAM SHALL BE SUBMITTED TO THE ARCHITECT AT LEAST TWO WEEKS PRIOR TO THE SCHEDULED TEST TO ASSURE AGREEMENT AS TO PERSONAL AND INSTRUMENTATION REQUIRED, AND THE SCOPE OF TESTING PROGRAM. FINAL TEST REPORT SHALL BE ON PREPARED FORMS.

VERIFICATION OF DIMENSIONS:

THE CONTRACTOR SHALL BECOME FAMILIAR WITH ALL DETAILS OF THE WORK, VERIFY ALL DIMENSIONS IN THE FIELD, AND SHALL ADVISE THE ARCHITECT OF ANY DISCREPANCY BEFORE PERFORMING WORK.

COORDINATION:

HEATING CONTRACTOR SHALL COORDINATE ALL WORK AND MATERIALS WITH OTHER CONTRACTORS. THIS WORK SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING: ELECTRICAL WORK; PROVIDE WIRING DIAGRAMS, MOTOR STARTER RECOMMENDATIONS (INCLUDING: TYPE, SIZE, AND FUSING REQUIREMENTS), LOCATION OF STARTERS AND DISCONNECT SWITCHES.

GUARANTEE:

ON FINAL COMPLETION, FURNISH TO OWNER, A WRITTEN GUARANTEE COVERING THE COMPLETE INSTALLATION FOR A PERIOD OF (1) YEAR FROM THE DATE OF WORK STARTING IN EFFECT THAT ANY DEFECTS IN MATERIALS OR WORKMANSHIP OCCURRING DURING TERMS OF SAID GUARANTEE SHALL BE MADE GOOD BY THE CONTRACTOR WITHOUT THE EXPENSE OF THE OWNER.



OWNER:
 MILK BONE
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 BUFFALO, NY 14211

PROJECT:
 CONVEYOR WALKWAY
 243 URBAN STREET
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#	ISSUE DATE	DESCRIPTION
	05/12/2021	PERMIT SUBMISSION
	05/21/2021	ISSUED FOR BID

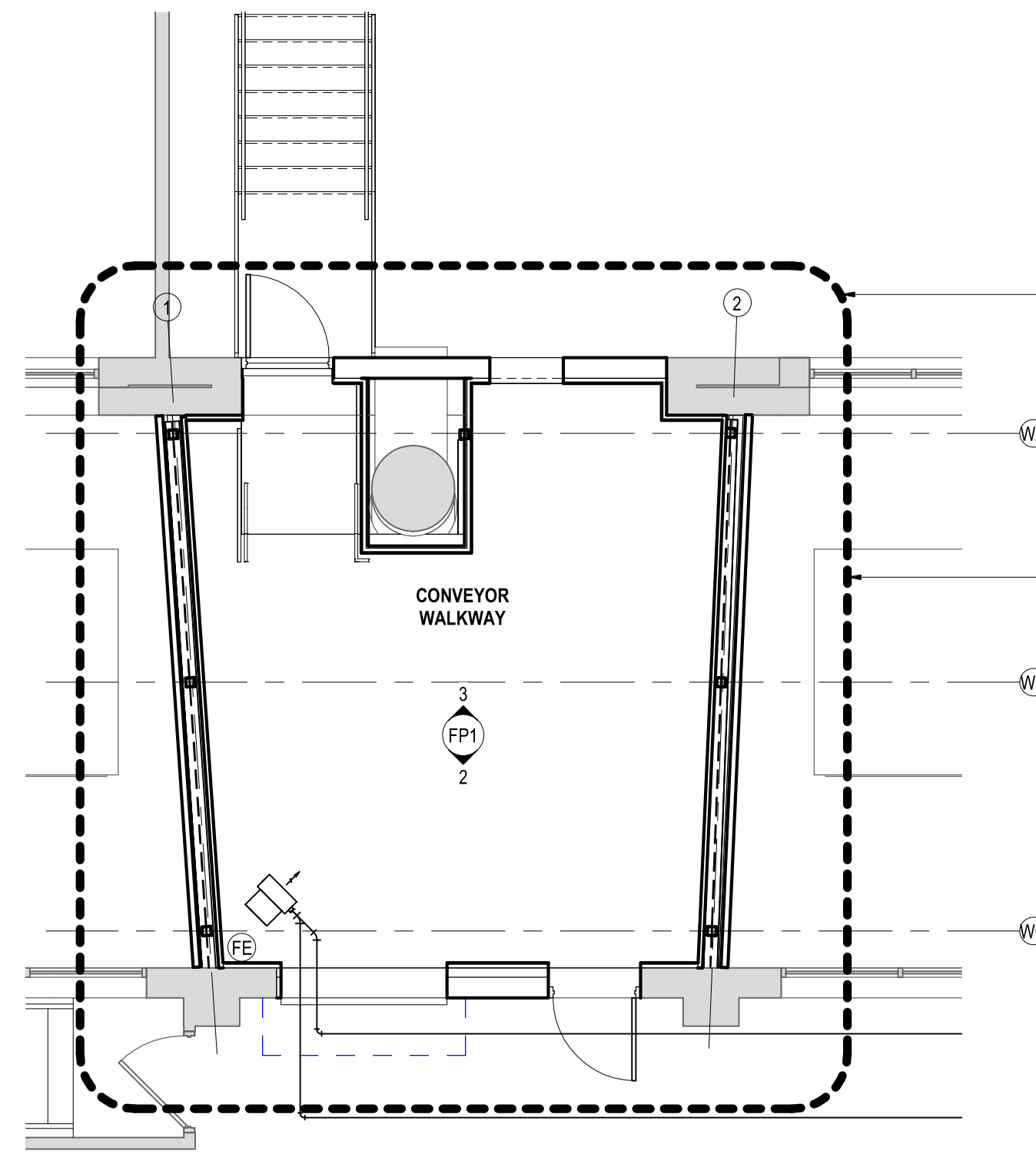
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SHEET TITLE:
MECHANICAL PLAN, DETAILS & SPECIFICATIONS

PROJECT NUMBER:
 2021-003
 PLOT DATE:
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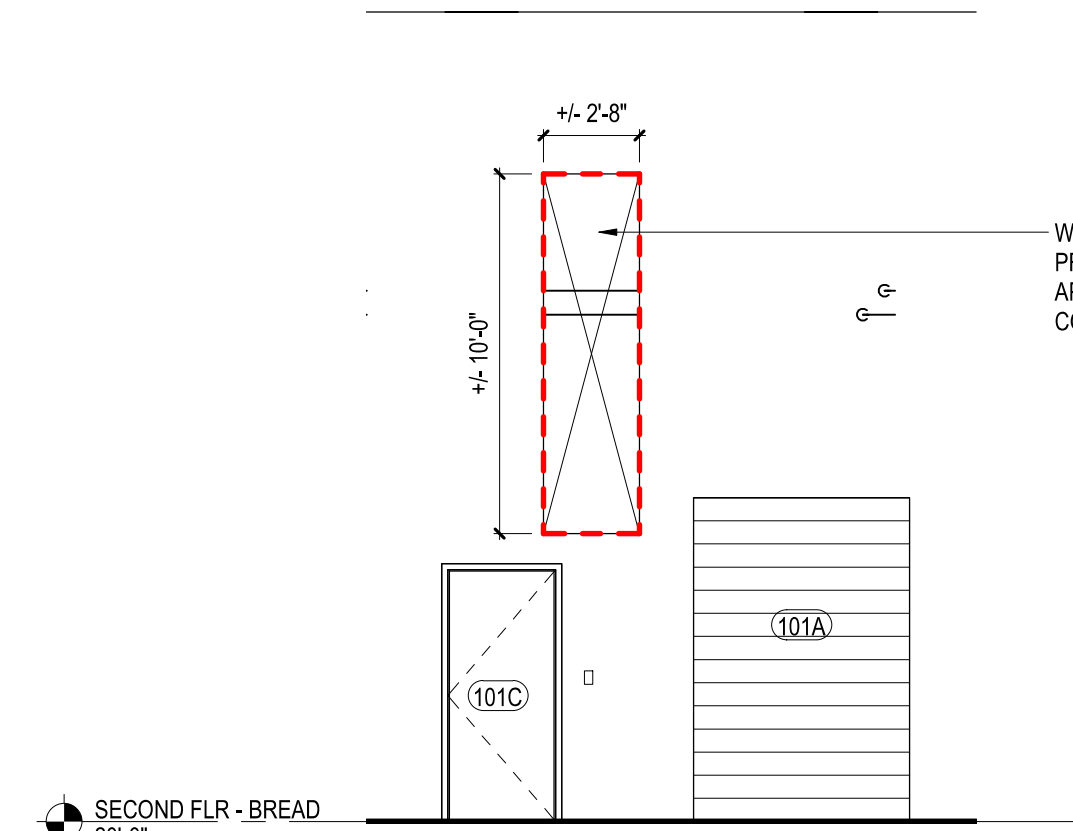
1 CONVEYOR WALKWAY FIRE PROTECTION PLAN
SCALE: 3/16" = 1'-0"

MODIFY THE EXISTING SPRINKLER PIPING AND RELOCATE EXISTING SPRINKLER HEADS AS NECESSARY TO ACCOMMODATE THE ALTERATIONS AS SHOWN WITHIN THE AREA OF WORK. COORDINATE HEAD LOCATIONS WITH THE REFLECTED CEILING PLAN AND OTHER TRADES INVOLVED. REFER TO FIRE PROTECTION SPECIFICATIONS AND NOTES FOR ADDITIONAL INFORMATION. THE FIRE PROTECTION CONTRACTOR SHALL PROVIDE THE ARCHITECT WITH ENGINEERED SPRINKLER DRAWINGS, SPRINKLER CALCULATIONS AND A SUBMITTAL PACKAGE OF MATERIALS TO BE FURNISHED AND INSTALLED FOR APPROVAL PRIOR TO WORK EFFORTS. THE COST OF PREPARING THE ENGINEERED SPRINKLER DRAWINGS SHALL BE INCLUDED IN THE FIRE PROTECTION CONTRACTORS BID. THE ENGINEERED SPRINKLER DRAWINGS SHALL BE STAMPED AND SIGNED BY A PROFESSIONAL ENGINEER FOR SUBMISSION TO BUFFALO AND BE SUBJECT TO THE OWNERS SEPERATE INSURANCE COMPANY REVIEW.

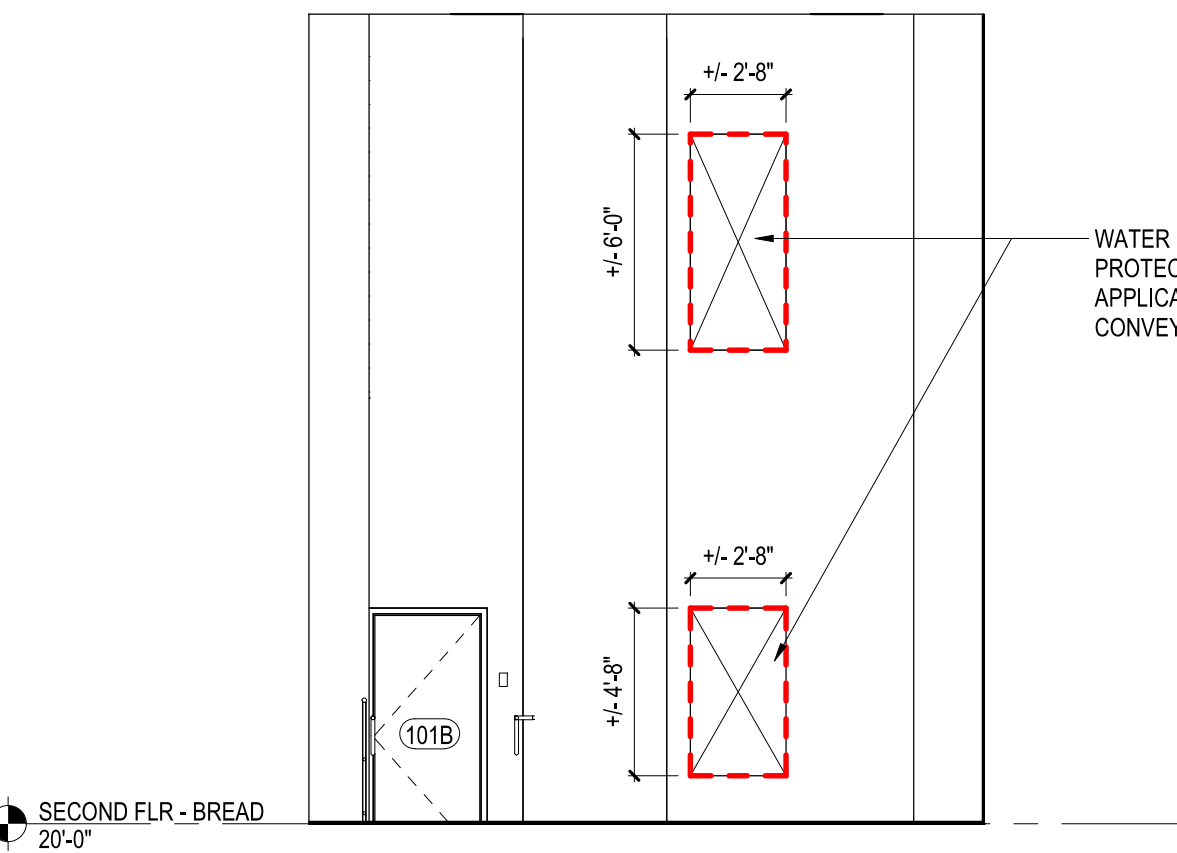
MODIFY THE EXISTING DETECTION AND ALARM SYSTEM TO EXTEND INTO THE AREA OF WORK TO ACCOMMODATE THE INTERIOR RENOVATIONS AS INDICATED. THE ALARM AND DETECTION SYSTEM SHALL INCLUDE CARBON MONOXIDE DETECTION. COORDINATE DEVICE LOCATIONS WITH THE REFLECTED CEILING PLAN AND FLOOR PLAN. REFER TO THE FIRE ALARM NOTES FOR ADDITIONAL INFORMATION ON SYSTEM REQUIREMENTS. THE FIRE PROTECTION CONTRACTOR SHALL PROVIDE THE ARCHITECT WITH ENGINEERED DETECTION AND ALARM DRAWINGS, BATTERY CALCULATIONS AND SUBMITTAL PACKAGE OF MATERIALS TO BE FURNISHED AND INSTALLED FOR APPROVAL PRIOR TO WORK EFFORTS. THE COST OF PREPARING THE ENGINEERED DETECTION AND ALARM DRAWINGS SHALL BE INCLUDED IN THE CONTRACTORS BID. THE ENGINEERED DETECTION AND ALARM DRAWINGS SHALL BE STAMPED AND SIGNED BY A PROFESSIONAL ENGINEER FOR SUBMISSION TO BUFFALO AND BE SUBJECT TO THE OWNERS SEPERATE INSURANCE COMPANY REVIEW.

CARBON MONOXIDE DETECTION NOTES

1. CONTRACTOR TO INSTALL A CARBON MONOXIDE DETECTION SYSTEM & COMPONENTS TO COMPLY WITH THE 2020 INTERNATIONAL BUILDING CODE , 2020 INTERNATIONAL FIRE CODE & NFPA 720.
2. DEVICES, COMBINATIONS OF DEVICES, APPLIANCES & EQUIPMENT SHALL COMPLY WITH BCNYS.
3. THE CONTRACTOR SHALL SUBMIT TWO (2) COPIES OF CARBON MONOXIDE DETECTION SYSTEM DRAWINGS STAMPED & SIGNED BY A PROFESSIONAL ENGINEER LICENSED IN NEW YORK STATE.
4. THE CONTRACTOR SHALL SUBMIT TWO (2) COPIES OF SHOP DRAWINGS COVERING ALL MATERIALS & EQUIPMENT BE FURNISHED. SUBMIT TO ARCHITECT FOR APPROVAL PRIOR TO START OF WORK. ALL NEW EQUIPMENT SHALL BE CONSISTENT WITH OWNER'S EXISTING EQUIPMENT SPECIFICATIONS.
5. CONNECT ALL NEW FIXTURES & APPLIANCES TO FIRE ALARM CONTROL PANEL OR SECURITY PANEL.
6. CONTRACTOR TO PROVIDE AS BUILT DRAWING.
7. CARBON MONOXIDE DETECTION SYSTEM SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF NEW YORK STATE.



2 FIRE PROTECTION - SOUTH ELEVATION
SCALE: 3/16" = 1'-0"



3 FIRE PROTECTION - NORTH ELEVATION
SCALE: 3/16" = 1'-0"

FIRE PROTECTION SYSTEM SPECIFICATIONS

BASIC WORK REQUIREMENTS:
1. NOTE THAT THESE FIRE PROTECTION DRAWINGS ARE SCHEMATIC IN INTENT. THE MODIFIED FIRE PROTECTION SYSTEM SHALL MEET THE REQUIREMENTS OF THE FOLLOWING:
NFPA 13
THE INTERNATIONAL BUILDING CODE (2020)
THE INTERNATIONAL FIRE CODE (2020)
NATIONAL ELECTRIC CODE (NEC)
UNDERWRITER'S LABORATORIES (UL)
FACTORY MUTUAL (FM GLOBAL)
& THE OWNERS SEPERATE INSURANCE COMPANY

2. THE CONTRACTOR SHALL SUBMIT ONE (1) COPY OF FIRE PROTECTION DRAWINGS AND HYDRAULIC CALCULATIONS STAMPED & SIGNED BY A PROFESSIONAL ENGINEER LICENSED IN NEW YORK STATE TO THE ARCHITECT.
3. THE CONTRACTOR SHALL SUBMIT ONE (1) COPY OF SHOP DRAWINGS COVERING ALL MATERIALS AND EQUIPMENT TO BE FURNISHED. SUBMIT TO ARCHITECT FOR APPROVAL PRIOR TO START OF WORK. ALL NEW EQUIPMENT SHALL BE CONSISTENT WITH OWNER'S EXISTING EQUIPMENT SPECIFICATIONS.
4. THE CONTRACTOR SHALL OBTAIN ALL LICENSES AND INSPECTIONS AND SHALL PAY ALL LEGAL AND PROPER FEES AND CHARGES IN CONNECTION WITH THIS WORK. THE BUILDING PERMIT WILL BE FILED BY THE ARCHITECT.
5. ALL WORK SHALL BE GUARANTEED FOR ONE (1) YEAR FROM DATE OF FINAL ACCEPTANCE.
6. THE CONTRACTOR SHALL PROVIDE ONE (1) SET OF RECORD DRAWINGS AND OPERATING AND MAINTENANCE MANUALS AND INSTRUCT THE OWNER'S PERSONNEL IN OPERATION OF EQUIPMENT AND SYSTEMS.

- CUTTING AND REFINISHING:**
1. ALL CUTTING, FITTING, REPAIRING, PAINTING AND FINISHING OF MASONRY AND CARPENTRY WORK, ETC., THAT MAY BE NECESSARY FOR THE OPERATIONS REQUIRED BY THIS CONTRACTOR SHALL BE DONE BY CRAFTSMEN SKILLED IN THEIR RESPECTIVE TRADES AND AT THE EXPENSE OF THIS CONTRACTOR UNLESS OTHERWISE NOTED, IN A MANNER APPROVED BY THE ARCHITECT.
 2. THE CONTRACTOR SHALL COORDINATE ALL SPRINKLER HEAD INSTALLATION W/ STRUCTURE, DUCTWORK, DIFFUSERS, LIGHTS AND THE REFLECTED CEILING PLAN.
 3. EXIST. CLG. TILES ARE TO BE REMOVED AND REINSTALLED BY THIS CONTRACTOR WHERE WORK OCCURS ABOVE THE SAME. UNLESS OTHERWISE NOTED, ANY DAMAGE TO CLGS. AS A RESULT OF HIS WORK SHALL BE REPAIRED BY THIS CONTRACTOR. ALL TILES SHALL BE LEFT IN A CLEAN AND UNDAMAGED CONDITION.
 4. CUT DRYWALL CLGS. WHERE WORK OCCURS ABOVE SAME. PATCH CLGS. TO MATCH ADJACENT SURFACES. CUTTING AND PATCHING OF CLGS. SHALL BE DONE BY THIS CONTRACTOR.
 5. CUT EXIST. WALLS AND FLOORS AS REQUIRED FOR NEW WORK UNLESS OTHERWISE NOTED, PATCH TO MATCH ADJACENT SURFACES.

- PIPE AND PIPE FITTINGS:**
1. STEEL PIPE AND FITTINGS SHALL BE ASTM A120 OR ASTM A53 STANDARD FOR SCHEDULE 40 WEIGHT BLACK, FOR 2" AND SMALLER W/ THREADED FITTINGS.
 2. STEEL PIPE AND FITTINGS SHALL BE ASTM A53 OR ASTM A135 STANDARD FOR SCHEDULE 10 WEIGHT BLACK, FOR 2 1/2" AND LARGER W/ ROLL GROOVED FITTINGS.
 3. HANGERS SHALL BE PROVIDED AND INSTALLED PER NFPA 13
 4. SLEEVES SHALL BE PROVIDED AND INSTALLED AS REQUIRED FOR ALL PIPING PASSING THROUGH FLOORS AND WALLS

- VALVES:**
1. BALL VALVES, 175PSI WORKING PRESSURE, WITH HOSE THREAD OUTLETS SHALL BE PROVIDED AND INSTALLED FOR ALL LOW POINTS AS STATED IN NFPA 13

- PIPING IDENTIFICATION**
1. ALL IDENTIFICATION DEVICES SHALL COMPLY W/ ANSI A13.1 FOR LETTERING SIZE, LENGTH OF COLOR FIELD, COLORS AND VIEWING ANGLES.
 2. ACCEPTABLE MANUFACTURERS ARE ALLEN SYSTEMS, INC., BRADY (W.H.) CO., SIGNMARK DIV., INDUSTRIAL SAFETY SUPPLY CO., INC., AND SETON NAME PLATE CORP.
 3. PIPING IDENTIFICATION SHALL BE PRESSURE SENSITIVE TYPE - PROVIDE MANUFACTURER'S STANDARD PRE-PRINTED, PERMANENT ADHESIVE, COLOR CODED, PRESSURE SENSITIVE VINYL PIPE MARKERS COMPLYING W/ ANSI A13.1. PROVIDE A 360 DEGREE WRAP OF FLOW ARROW TAPE AT EACH END OF PIPE LABEL.
 4. PIPING LABELING SHALL CONFORM TO THE FOLLOWING: PIPE FUNCTION, IDENTIFICATION, SPRINKLER.
 5. PROVIDE PIPING IDENTIFICATION W/ DIRECTIONAL FLOW ARROWS FOR ALL PIPING NEW PIPING ON PROJECT, MAX. AT EVERY 15'-0". FOR PIPING INSTALLED THROUGH ROOMS, PROVIDE AT LEAST ONE PIPE LABEL IN EACH ROOM, FOR EACH PIPE FUNCTION.

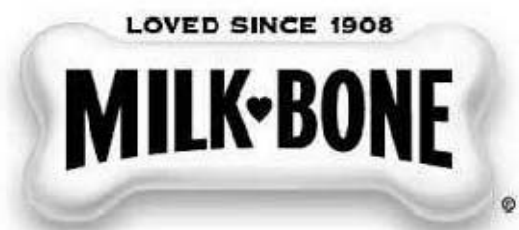
- SPRINKLERS:**
1. RELIABLE, GEM AND VIKING ARE ACCEPTABLE MANUFACTURERS.
 2. SPRINKLERS SHALL BE BRASS OR BRONZE WITH FINISH TO MATCH EXISTING SYSTEM SPRINKLERS, 1/2" NPT, 1/2" ORIFICE, 165 DEGREE, ORDINARY TEMPERATURE UNLESS OTHERWISE NOTED, OR REQUIRED BY REGULATION.
 3. UPRIGHT SPRINKLERS SHALL MATCH THE EXISTING SYSTEM SPRINKLER SPECIFICATIONS.
 4. PENDANT SPRINKLERS SHALL MATCH THE EXISTING SYSTEM SPRINKLER SPECIFICATIONS.

- SMOKE DETECTORS & CARBON MONOXIDE DETECTORS:**
1. REUSE EXISTING UNITS WHERE POSSIBLE. PROVIDE NEW UNITS TO MATCH EXISTING AS REQUIRED.
 2. PROVIDE NEW UNITS BY KIDDE OR APPROVED EQUAL.

- AUDIOVISUAL ANNUNCIATORS:**
1. REUSE EXISTING UNITS WHERE POSSIBLE. PROVIDE NEW UNITS TO MATCH EXISTING AS REQUIRED.
 2. PROVIDE NEW UNITS BY SIMPLEX OR APPROVED EQUAL.

- MANUAL PULL STATIONS:**
1. REUSE EXISTING UNITS WHERE POSSIBLE. PROVIDE NEW UNITS TO MATCH EXISTING AS REQUIRED.
 2. PROVIDE NEW UNITS BY SIMPLEX OR APPROVED EQUAL.

- FIRE EXTINGUISHERS:**
1. PORTABLE FIRE EXTINGUISHERS & INSTALLATION LOCATIONS ARE TO COMPLY WITH THE 2020 INTERNATIONAL BUILDING CODE AND NFPA.
 2. FINAL INSTALLATION SHOULD COMPLY WITH THE 2020 INTERNATIONAL BUILDING CODE. FIRE EXTINGUISHER SHOULD BE MOUNTED MIN. 4" AFF & NO HIGHER THAN 5'-0" AFF.
 3. CONTRACTOR TO VERIFY REQUIRED TYPES & ADDITIONAL REQUIRED LOCATIONS WITH THE OWNER.
 4. CONTRACTOR TO COORDINATE ANY CHANGES WITH THE ARCHITECT & OWNER.
 5. WALL MOUNTED FIRE EXTINGUISHERS TO HAVE MANUFACTURER'S STANDARD MOUNTING BRACKET UNLESS NOTED OTHERWISE.



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#	ISSUE DATE	DESCRIPTION
1	05/12/2021	PERMIT SUBMISSION

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SHEET TITLE
FIRE PROTECTION PLAN

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