

GENERAL NOTES

- THE FOLLOWING NOTES ARE INTENDED TO BE USED AS OUTLINED SPECIFICATIONS FOR THIS PROJECT. THE REFERENCED STANDARDS ARE CONSIDERED TO BE PART OF THE WORK.
- STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS. CONSULT THESE DRAWINGS FOR LOCATIONS AND DIMENSIONS OF OPENINGS, CHASES, INSERTS, REGLETS, SLEEVES, DEPRESSIONS, AND OTHER DETAILS NOT SHOWN ON STRUCTURAL DRAWINGS.
- ALL DIMENSIONS AND CONDITIONS MUST BE VERIFIED IN THE FIELD AND WITH MECHANICAL UNIT REQUIREMENTS. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH THE AFFECTED PART OF THE WORK.
- THE STRUCTURE IS DESIGNED TO BE SELF SUPPORTING AND STABLE ONLY AFTER THE STRUCTURAL WORK CONTAINED IN THE STRUCTURAL DRAWINGS IS COMPLETED. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURES AND SEQUENCE TO ENSURE THE SAFETY OF THE BUILDING AND ITS COMPONENTS DURING ERECTION. THIS INCLUDES THE ADDITION OF NECESSARY SHORING, SHEETING, TEMPORARY BRACING, GUYS OR TIEDOWNS. SUCH MATERIAL SHALL REMAIN THE PROPERTY OF THE CONTRACTOR AFTER COMPLETION OF THE PROJECT.
- SECTIONS AND DETAILS SHOWN ON ANY STRUCTURAL DRAWINGS SHALL BE CONSIDERED TYPICAL FOR SIMILAR CONDITIONS AS DETERMINED BY THE ENGINEER.
- ALL APPLICABLE FEDERAL, STATE, AND MUNICIPAL REGULATIONS SHALL BE FOLLOWED, INCLUDING THE FEDERAL DEPARTMENT OF LABOR OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA).

DESIGN LOADS

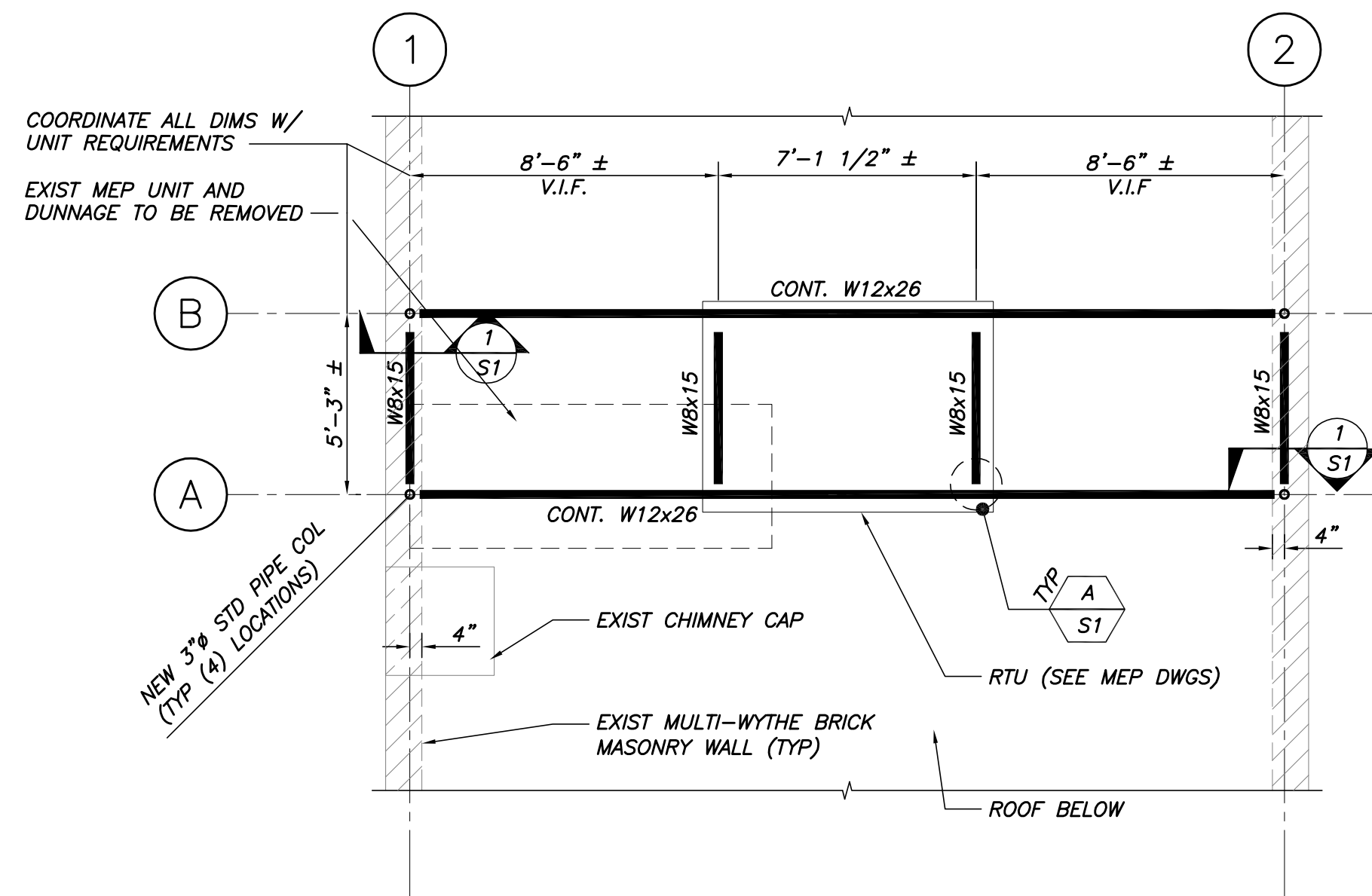
- BUILDING CODE:** MAINE UNIFORM BUILDING AND ENERGY CODE, INTERNATIONAL BUILDING CODE, 2009 EDITION, INTERNATIONAL EXISTING BUILDING CODE, 2009 EDITION ASCE 7-05 MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES.
- EQUIPMENT WEIGHT:** 1,090 LBS (MAX)
- DESIGN SNOW LOAD:**
GROUND SNOW LOAD (Pg): 60 PSF
SNOW EXPOSURE FACTOR (Ce): 1.2
SNOW LOAD IMPORTANCE FACTOR (Is): 1.0
SNOW LOAD THERMAL FACTOR (Ct): 1.0
FLAT ROOF SNOW LOAD (Pf): 50 PSF + DRIFT
- DESIGN WIND LOAD:**
BASIC WIND SPEED: 100 MPH
WIND LOAD IMPORTANCE FACTOR (Iw): 1.0
WIND EXPOSURE: B
INTERNAL PRESSURE COEFFICIENT: ±0.18
WIND LOADS ON OTHER STRUCTURES PER ASCE 7-05 CH 6.5.15
- DESIGN SEISMIC LOADS:**
NONSTRUCTURAL COMPONENTS PER ASCE 7-05 CH 13.3
SEISMIC COMPONENT IMPORTANCE FACTOR (Ip): 1.0
MAPPED SPECTRAL RESPONSE ACCELERATIONS:
Ss: 0.316
S1: 0.077
SEISMIC SITE CLASS: D
SPECTRAL RESPONSE COEFFICIENTS:
Sds: 0.326
Sd1: 0.123

STRUCTURAL STEEL NOTES

- STRUCTURAL STEEL FABRICATION, ERECTION, AND CONNECTION DESIGN SHALL CONFORM TO AISC "SPECIFICATION FOR THE DESIGN FABRICATIONS, AND ERECTION OF STRUCTURAL STEEL" LATEST EDITION, AND THE "CODE OF STANDARD PRACTICE", LATEST EDITION.
- STRUCTURAL STEEL: STEEL PLATES, SHAPES, AND BARS, CONFORM TO ASTM A36 UNLESS NOTED OTHERWISE (U.N.O.). STRUCTURAL STEEL SHAPES DESIGNATED ON THE DRAWINGS FOR WIDE-FLANGE SECTIONS: ASTM A992 (ASTM A572 GRADE 50 WITH SPECIAL REQUIREMENTS PER AISC TECHNICAL BULLETIN #3 DATED MARCH, 1997)
- STRUCTURAL PIPE: CONFORM TO ASTM A53 GRADE B 35 KSI.
- FIELD CONNECTIONS SHALL BE BOLTED USING ASTM A325N HIGH STRENGTH BOLTS (U.N.O.)
- ALL FRAMING, FASTENERS AND BOLTS ARE TO BE HOT-DIPPED GALVANIZED.
- ALL WELDING SHALL CONFORM TO AWS D1.1-LATEST EDITION. ELECTRODES SHALL CONFORM TO AWS A5.1 E70XX SERIES WITH PROPER ROD TO PRODUCE OPTIMUM WELD (LOW HYDROGEN)

FABRICATION

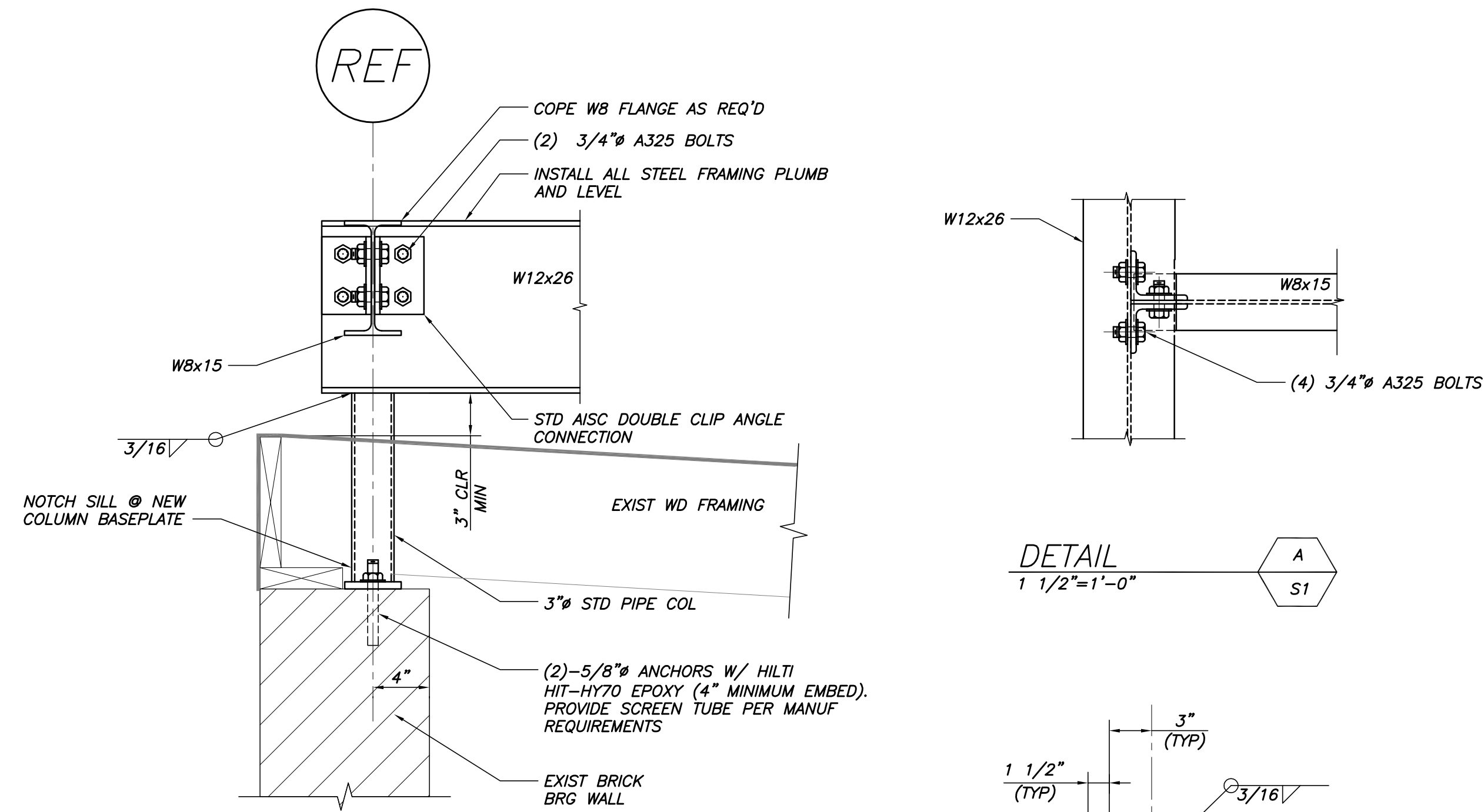
- SHOP ASSEMBLY: PRE-ASSEMBLE ITEMS IN THE SHOP TO GREATEST EXTENT POSSIBLE FOR SHIPPING AND HANDLING LIMITATIONS. USE CONNECTIONS THAT MAINTAIN STRUCTURAL VALUE OF JOINED PIECES. CLEARLY MARK UNITS FOR REASSEMBLE AND COORDINATED INSTALLATION.
- CUT, DRILL, AND PUNCH METALS CLEANLY AND ACCURATELY. REMOVE BURRS AND CHAMFER EDGES TO A RADIUS OF APPROXIMATELY 1/32 INCH, UNLESS OTHERWISE INDICATED. REMOVE SHARP OR ROUGH AREAS ON EXPOSED SURFACES.
- FORM BENT-METAL CORNERS TO SMALLEST RADIUS POSSIBLE WITHOUT CAUSING GRAIN SEPARATION OR OTHERWISE IMPAIRING WORK.
- FABRICATE EXPOSED WORK TRUE TO LINE AND LEVEL WITH ACCURATE ANGLES AND SURFACES AND STRAIGHT EDGES.
- WELD CORNERS AND SEAMS CONTINUOUSLY TO COMPLY WITH THE FOLLOWING:
A. USE MATERIALS AND METHODS THAT MINIMIZE DISTORTION AND DEVELOP STRENGTH AND CORROSION RESISTANCE OF BASE METALS.
B. OBTAIN FUSION WITHOUT UNDERCUT OR OVERLAP.
C. REMOVE WELDING FLUX IMMEDIATELY.
D. AT EXPOSED CONNECTIONS, FINISH EXPOSED WELDS AND SURFACES SMOOTH AND BLENDED SO NO ROUGHNESS SHOWS AFTER FINISHING AND CONTOUR OF WELDED SURFACE MATCHES THAT OF ADJACENT SURFACE.



PARTIAL ROOF PLAN
1/4"=1'-0"

NOTES:

- G.C. VERIFY ALL EXISTING CONDITIONS.
- COORDINATE STL BEAM LOCATIONS WITH MEP REQUIREMENTS. ALL STEEL TO BE HOT-DIPPED GALVANIZED.
- ROOF PIPING, VENTS, DRAINS, AND MISC ROOFTOP UNITS NOT SHOWN FOR CLARITY.



SECTION

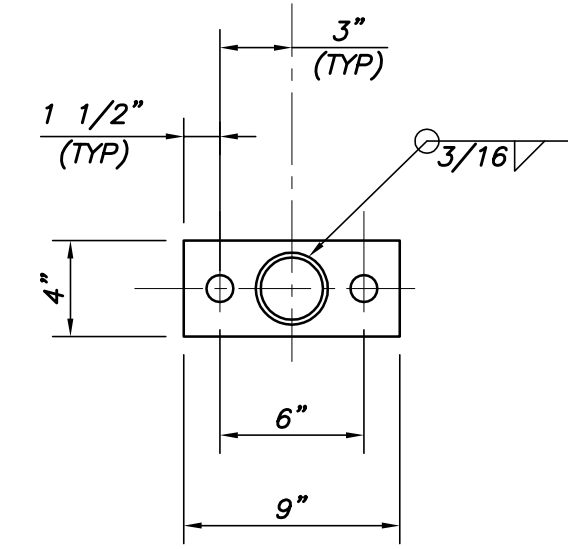
1 1/2"=1'-0"

NOTE:

- IF HOLLOW BRICK FOUND AT COLUMN BASE ANCHORAGE, REPLACE WITH SOLID BRICK. MIN 16" LONG SECTION OF MASONRY (MIN 8" DEPTH). TOOTH NEW MASONRY INTO EXISTING. E.O.R. SHALL INSPECT MASONRY CONDITION PRIOR TO CONSTRUCTION.
- REFER TO MEP DWGS FOR ATTACHMENT OF MECH UNIT FRAME TO STEEL SUPPORTS.
- UNIT NOT SHOWN FOR CLARITY.

DETAIL

1 1/2"=1'-0"



3" PIPE BASEPLATE

PL 1/2x4x0'-9"
W/(2)-11/16" HOLES FOR
(2)-5/8"x8" H.D. GALV.
GR36 EPOXY ANCHORS
W/4" EMBED & 4" PROJ

Rev. No.	
Date	11/01/17
Issued For	FOR CONSTRUCTION
Approved	

TD BANK - 481 CONGRESS ST.
PORTLAND, MAINE
NOTES, PLANS, SECTIONS, & DETAILS

Designed	DJB	Scale	AS NOTED
Drawn	DJB	Date	11/01/17
Checked	CGW	Becker Job Number	4213

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