GENERAL NOTES

1. 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.

2. 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.

3. ALL DIMENSIONS AND CONDITIONS MUST BE VERIFIED IN THE FIELD. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT BEFORE PROCEEDING WITH THE AFFECTED PART OF THE WORK.

4. 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.

5. SECTIONS AND DETAILS SHOWN ON ANY STRUCTURAL DRAWINGS SHALL BE CONSIDERED TYPICAL FOR SIMILAR CONDITIONS AS DETERMINED BY THE STRUCTURAL ENGINEER.

6. ALL APPLICABLE FEDERAL, STATE, AND MUNICIPAL REGULATIONS SHALL BE FOLLOWED, INCLUDING THE FEDERAL DEPARTMENT OF LABOR OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA).

DESIGN LOADS

1. BUILDING CODE:
   MAINE UNIFORM BUILDING AND ENERGY CODE
   INTERNATIONAL BUILDING CODE, 2009 EDITION
   ASCE 7-05 MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES

2. EQUIPMENT WEIGHTS: REFER TO MEP DRAWINGS

3. DESIGN WIND LOAD:
   BASIC WIND SPEED:..... 100 MPH
   WIND LOAD IMPORTANCE FACTOR (Iw)..... 1.0
   WIND EXPOSURE:..... C
   INTERNAL PRESSURE COEFFICIENT..... ±0.18
   COMPONENTS & CLADDING PER ASCE 7-05 CHAPTER 6

4 DESIGN SEISMIC LOADS:
   COMPONENTS & CLADDING PER ASCE 7-05 CHAPTER 13
   SEISMIC COMPONENT IMPORTANCE FACTOR (Ip): 1.0
   MAPPED SPECTRAL RESPONSE ACCELERATIONS:
   Ss: 0.315
   S1: 0.077
   SEISMIC SITE CLASS: E
   SPECTRAL RESPONSE COEFFICIENTS:
   Sds: 0.481
   Sd1: 0.180

SUBMITTALS

1. THE CONTRACTOR SHALL SUBMIT COMPLETE SHOP DRAWINGS FOR ALL PARTS OF THE WORK, INCLUDING DESCRIPTION OF SHORING, AND CONSTRUCTION METHODS AND SEQUENCING WHERE APPLICABLE. NO PERFORMANCE OF THE WORK INCLUDING, BUT NOT LIMITED TO, SHORING AND DEMOLITION OF EXISTING STRUCTURE, OR FABRICATION OR ERECTION OF NEW STRUCTURAL ELEMENTS, SHALL COMMENCE WITHOUT REVIEW OF THE SHOP DRAWINGS BY THE CONSTRUCTION MANAGER AND ENGINEER. SUBMIT ELECTRONIC COPIES IN PDF FORMAT, OR THREE (3) HARD COPIES. CONTRACTOR SHALL ALLOW 10 WORKING DAYS FOR REVIEW.

2. REQUIRED SUBMITTALS SHALL INCLUDE:
   STRUCTURAL STEEL FRAMING FABRICATION DRAWINGS.

STRUCTURAL STEEL NOTES

1. STRUCTURAL STEEL FABRICATION, ERECTION, AND CONNECTION DESIGN SHALL CONFORM TO AISC "SPECIFICATION FOR THE DESIGN FABRICATIONS, AND ERECTION OF STRUCTURAL STEEL" 13TH EDITION, AND THE "CODE OF STANDARD PRACTICE", LATEST EDITION.

2. STRUCTURAL STEEL: STEEL PLATES, SHAPES, AND BARS, CONFORM TO ASTM A36 UNLESS NOTED OTHER WISE (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)

3. STRUCTURAL TUBING: CONFORM TO ASTM A500 GRADE B, 46 KSI.

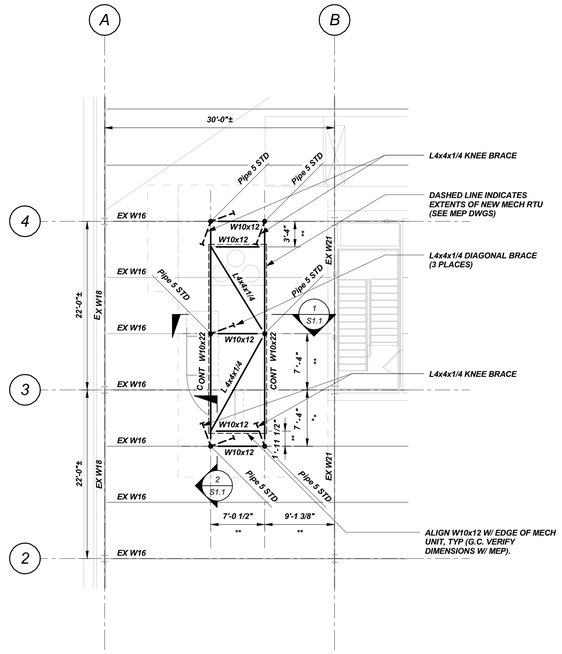
4. FIELD CONNECTIONS SHALL BE BOLTED USING 3/4" DIAMETER ASTM A325N HIGH STRENGTH BOLTS U.N.O.

5. WHERE WELDING IS INDICATED, 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)

6. DESIGN AND DETAIL ALL CONNECTIONS ACCORDING TO AISC STANDARD CONNECTION TABLES. DESIGN STANDARD BEAM CONNECTIONS FOR THE MAXIMUM LOAD CAPACITY OF THE MEMBER. BRACING CONNECTIONS HAVE BEEN DETAILED ON THE DRAWINGS.

7. ALL STEEL SHALL BE FABRICATED AND SHIPPED AS HOT DIPPED GALVANIZED AS INDICATED ON THE DRAWINGS U.N.O.

8. SEE DRAWINGS FOR ANCHOR BOLT INFORMATION, TYP.

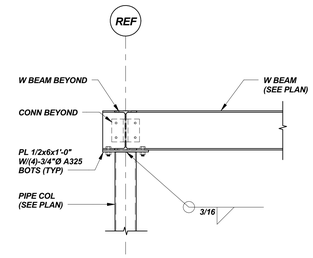


EXIST ROOF W/NEW MECH UNIT FRAMING PLAN

1/8"=1'-0"

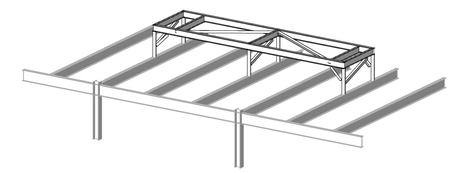
NOTES:

1. G.C. VERIFY ALL EXISTING CONDITIONS.
2. ** INDICATES DIMENSIONS TO BE VERIFIED BY G.C. W/APPROVED UNIT, AND/OR EXISTING CONDITIONS.
3. ALL MATERIAL TO BE HOT DIPPED GALVANIZED (U.N.O.). PROVIDE VENT HOLES AS REQUIRED.
4. DESIGN ASSUMES ROOF CONSISTING OF CONCRETE ON METAL DECK. PRIOR TO FABRICATION OF STRUCTRUAL STEEL, G.C. VERIFY EXISTENCE OF CONCRETE. NOTIFY ENGINEER OF FINDINGS.



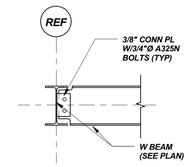
TYP BEAM TO PIPE COL CONN U.N.O.

N.T.S.



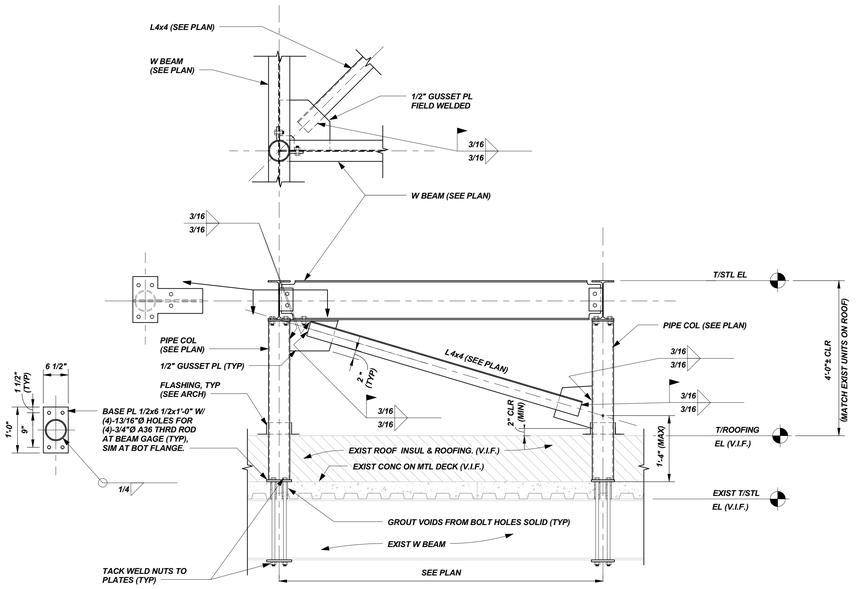
AXONOMETRIC VIEW OF UNIT FRAMING PLAN

N.T.S.



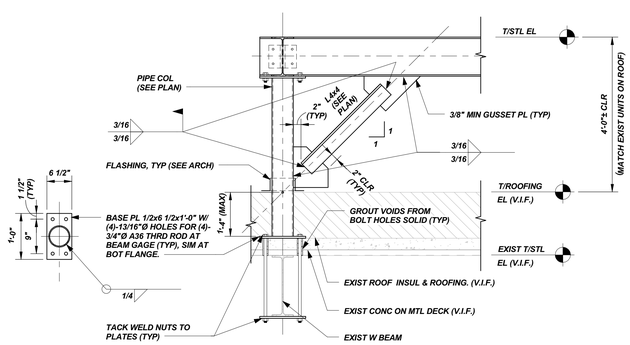
TYP BEAM TO BEAM CONN DETAIL

N.T.S.

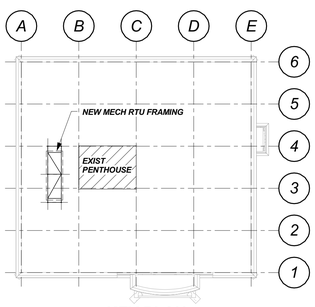


SECTION 1/S1.1
3/4" = 1'-0"

NOTE: FOR ALL FIELD WELDS, PREP GALV SURFACES AS REQD, PER AWS D1.1 RECOMMENDATIONS. RECOAT WELDS W/COLD-GALV PRODUCT AFTER INSTALLATION.



SECTION 2/S1.1
3/4" = 1'-0"



KEY PLAN

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Date: 05/03/16

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PORTLAND GASTROENTOLOGY CENTER

161 Marginal Way - Portland, Maine 04101

No.	Date	Description

Revision Schedule

STATE OF MAINE CHRISTOPHER G. WILLIAMS No. 12854 LICENSED PROFESSIONAL ENGINEER

JOB NO. 3686

DRWN. CHK
Checker

SCALE:
AS NOTED

ISSUE
PERMIT SET
03/18/16

TITLE
Framing Plan, Sections, Details

SHEET
S1.1

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