Reviewed for Code Compliance
Inspections Division
Approved with Conditions

Date: 01/30/14

GENERAL NOTES:

1. The notes on the drawings are not intended to replace specifications. in addition to general notes. See specifications for requirements
2. Structural drawings shall be used in conjunction with job specifications and architectural, mechanical, electrical, plumbing, and site drawings. Consult, 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 engineer before proceeding with the affected part of the work.
4. Do not scale plans.
5. Sections and details shown on any structural drawings shall be considered typical for similar conditions.
6. All propietary products shall be installed in accordance with the manufacturers written instructions.
7. The structure is designed to be self supporting and stable after the erection is complete. It is the contractor's sole responsibility to determine erection procedures and sequencing 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.
8. All applicable federal, state, and municipal regulations shall be followed, including the federal department of labor occupational safety and health act.

DESIGN LOADS:

1. Building code: IBC (2009) International Building Code.
2. Design Live Loads: (Ground Snow load = 50 psf + drift)
   Roof ..... 45 psf
   RTU: Trane (3–10 ton) model R410A PKGD ..... 613# (net wgt)
   New make–up air fan ..... 300# (net wgt)
   New exhaust fan ..... 400# (net wgt)
3. Design wind loads are based on exposure C using 100 mph basic wind speed.
4. Seismic Design per IBC 2009

STRUCTURAL STEEL NOTES:

1. Structural steel fabrication, erection, and connection design shall conform to AISC "Specification for the design, fabrication, and erection of structural steel"–Ninth edition.
2. Structural steel:
   a) Structural steel shall conform to ASTM A–36.
   b) Structural tubing shall conform to ASTM A–500 GR–B
   c) Structural pipe shall conform to ASTM A–53, TYPE E OR S
3. The fabricator shall design connections for the reactions shown on the drawings or the maximum end reaction that can be produced by a laterally supported uniformly loaded beam for each given beam size and span.
4. Field connections shall be bolted using 3/4" diameter ASTM A325 high strength bolts except where field welding is indicated on the drawings.
5. All welding shall conform to AWS D1.1–Latest edition. Welding electrodes shall be E70XX.
6. Structural Steel Primer Paint. TNEMEC 10–99 Alkyd rust inhibitive primer, 2.0 to 3.5 mils dry thickness, or approved alternate.
7. Structural Steel Top Coat for steel permanently exposed to view. TNEMEC series 2 TNEMEC–GLOSS Enamel, 3.0 to 5.0 mils dry thickness, or approved alternate.

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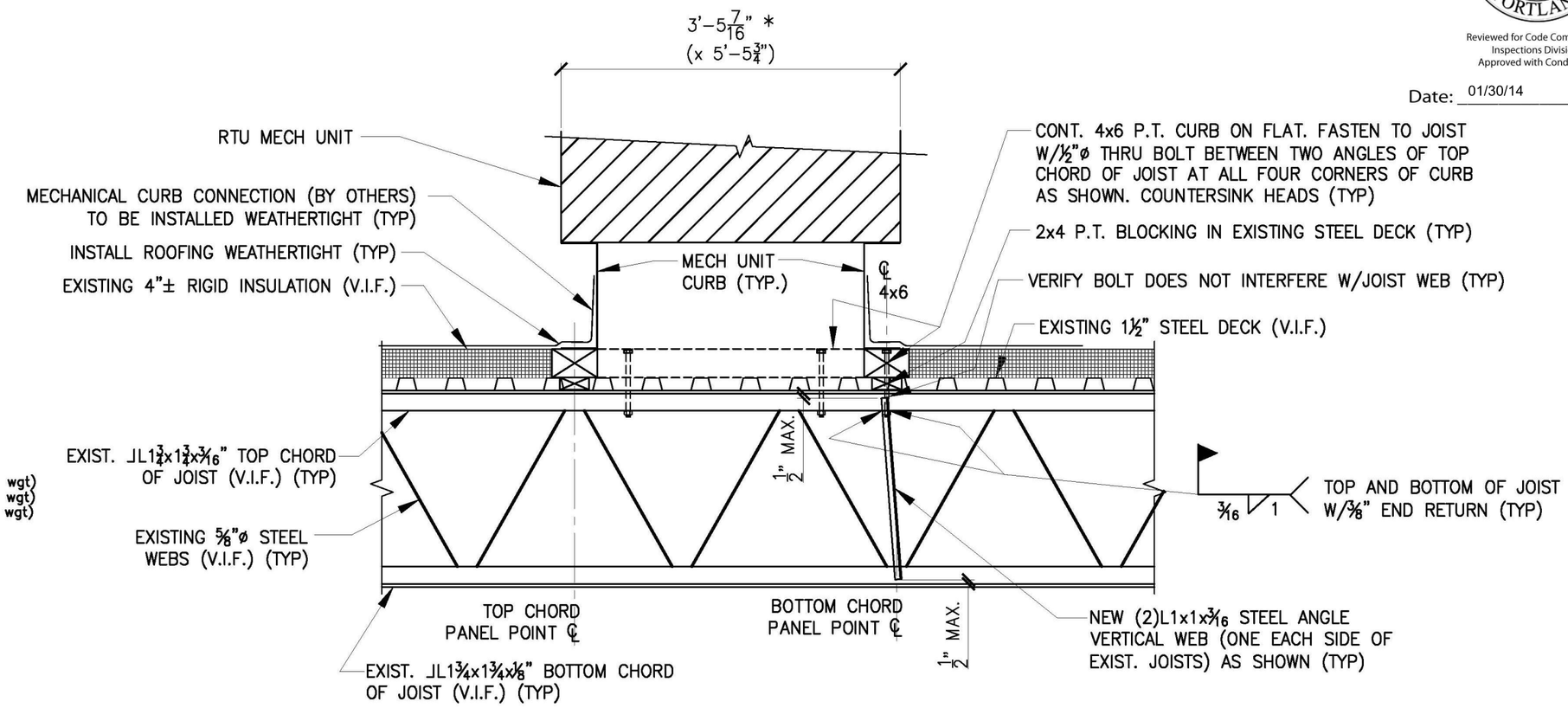

SECTION 1 / S1 RTU ROOFTOP SUPPORT
3/4" = 1'-0"

PRELIMINARY NOT FOR CONSTRUCTION

STATE OF MAINE
JOSEPH H. LEASURE
No. 6242
LICENSED
PROFESSIONAL ENGINEER

90 CONGRESS STREET RESTAURANT / RTU Support/Framing Details

90 Congress Street, Portland, Maine 04101 December 16, 2013

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