Date: 05/13/13
Planner: Benjamin Wallace

GENERAL STRUCTURAL NOTES

ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF ALL APPLICABLE STATE AND LOCAL CODES, INCLUDING BUT NOT LIMITED TO:
- -INTERNATIONAL BUILDING CODE - 2006 ED
- -ANSI-ASCE 7-05
- -ACI 318-05 "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE"
- -ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS"
- -AISC STEEL CONSTRUCTION MANUAL
- -SJSI COLD FORMED STEEL DESIGN MANUAL
- -ANSI-AF&PA NDS-2005

2. ROOF DESIGN UNIFORM LOADS:
   DL=22PSF
   SL = 42 PSF (Pg = 60 PSF) + DRIFT
   WL = 10 PSF (NET UPLIFT).
3. GROUND FLOOR DESIGN LOADS: 125 PSF LIGHT WAREHOUSE STORAGE
5. LATERAL LOADS:
   WIND: V=95 MPH, EXP B, H=30FT, ASCE 7 SIMPLIFIED PROCEDURE
   Ps30=-22 PSF MAX MFRS AND COMPICLADDING.
   SEISMIC: Ss=0.31 S1=0.078, SITE D, Sds=0.314, Sm1=0.19
   OCC CAT. I, SDC = B, R=3.5 ORD. STEEL MOMENT FRAMES
6. CONTRACTOR SHALL BRING TO THE ATTENTION OF THE ENGINEER ANY CONDITIONS DIFFERENT FROM THOSE SHOWN ON THE DRAWINGS AND ALSO ANY CONDITIONS THAT PREVENT THE CONTRACTOR'S COMPLETION OF THE WORK AS SHOWN ON THE CONSTRUCTION DRAWINGS.
6. ALL WORK SHALL BE PERFORMED BY PERSONS QUALIFIED IN THEIR TRADE AND LICENSED TO PRACTICE SUCH TRADE IN THE STATE IN WHICH THE PROJECT IS LOCATED.
7. THESE DRAWINGS SHALL BE USED IN CONJUNCTION WITH ANY ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS, IN ADDITION TO SPECIFICATIONS AND ANY SHOP DRAWINGS PROVIDED BY SUBCONTRACTORS AND SUPPLIERS.
8. ALL DIMENSIONS, ELEVATIONS, AND CONDITIONS SHALL BE VERIFIED IN THE FIELD BY GENERAL CONTRACTOR (G.C.) AND ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION BEFORE PROCEEDING WITH THE AFFECTED PART OF THE WORK.
9. UNLESS OTHERWISE NOTED, DETAILS, SECTIONS, AND NOTES SHOWN ON ANY DRAWING SHALL BE CONSIDERED TYPICAL FOR ALL SIMILAR DETAILS.
10. THESE DRAWINGS DO NOT SHOW SIZE, LOCATION OR TYPE OF OPENING IN THE FOUNDATION SYSTEM FOR ELECTRICAL, PLUMBING OR MECHANICAL EQUIPMENT. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING THESE ITEMS.
11. ALL SHOP DRAWINGS PROVIDED BY OTHERS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO FABRICATION OF MATERIAL OR THE PURCHASE OF NON-RETURNABLE STOCK. DIMENSIONAL REVIEW IS THE CONTRACTOR'S RESPONSIBILITY.
12. USE PERIMETER DRAINS WHERE SHOWN. DRAIN TO APPROPRIATE OUTLET.

LIGHT GAGE FRAMING

1. ALL STEEL STUDS, JOISTS AND ACCESSORIES SHALL BE MADE OF THE TYPE, SIZE, GAGE AND SPACING SHOWN ON THE DRAWINGS. ALL LIGHT GAGE STEEL FRAMING SHALL BE MANUFACTURED BY DIETRICK OR APPROVED EQUAL.
2. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS PREPARED BY A LICENSED STRUCTURAL ENGINEER. SHOP DRAWINGS ARE TO SHOW LAYOUT, SPACING, SIZES, FASTENING AND ANCHORAGE DETAILS. SHOW REINFORCING CHANNELS, OPENING FRAMING, SUPPLEMENTAL FRAMING, STRAPPING, BRACING, BRIDGING, SPLICES, ACCESSORIES, AND CONNECTION DETAILS.
3. ALL STRUCTURAL MEMBERS SHALL BE DESIGNED IN ACCORDANCE WITH AMERICAN IRON AND STEEL INSTITUTE (AISI) "SPECIFICATION FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS, 1986 EDITION, 1989 ADDENDUM.
4. ALL STEEL USED SHALL CONFORM TO ASTM A446, WITH A MINIMUM Fy=33 KSI FOR 18 ADN 20 GAGE, AND Fy=50 KSI FOR 12, 14, & 16 GAGE MEMBERS. STRUCTURAL MEMBERS SHALL BE ZINC-COATED, MEETING ASTM A525, G60 OR EQUIVALENT.
5. REFER TO DIETRICH TECHNICAL INFORMATION: "CURTAIN/ WALLLIGHT GAGE STRUCTURAL FRAMING PRODUCTS, RECOMMENDATIONS, DETAILS, SUGGESTED SPECIFICATIONS, ERECTION AND BRACING PROCEDURES.

LIGHT GAGE FRAMING

6. STRUCTURAL STUD AND TRACK COMPONENTS ARE TO BE IDENTIFIED BY THE FOLLOWING COLOR CODE IN ACCORDANCE WITH ASTM C955:

   20 GAGE - WHITE
   18 GAGE - YELLOW
   16 GAGE - GREEN
   14 GAGE - ORANGE
   12 GAGE - RED
7. LOAD BEARING STUDS SHALL BE INSTALLED SEATED SQUARELY AGAINST WEB (WITHIN 1/8") OF THE TOP AND BOTTOM TRACK TO ASSURE TRANSFER OF AXIAL LOAD. STUDS SHALL BE PLUMBED, ALIGNED AND SECURED TO THE CONTINUOUS RUNNER TRACKS AT EACH END AND EACH SIDE BEFORE INSTALLATION OF COMPONENTS WHICH INDUCE AXIAL LOAD.
8. ALL STUD WALLS SHALL HAVE HORIZONTAL BRIDGING AND CROSS BRACING INSTALLED AS SHOWN ON THE DRAWINGS. ALL BRACING SHALL BE INSTALLED BEFORE APPLICATION OF LOADS.
9. SUBSTITUTES TO DIETRICH PRODUCTS MUST MEET OR EXCEED THE ENGINEERING PROPERTIES OF DIETRICH BRAND PRODUCTS. THIS INCLUDES ALUES FOR GAGE, M (ALLOWABLE), V (ALLOWABLE), E, I, S, AND ALLOWABLE STRESS.

C2 SECTION
SCALE: 1-1/2" = 1'-0"

C1 DETAIL
SCALE: 1-1/2" = 1'-0"

C4 NOTES

A4 FRAMING ELEVATION
SCALE: 1/2" = 1'-0"

B2 DETAIL
SCALE: 1-1/2" = 1'-0"

A2 DETAIL
SCALE: 1-1/2" = 1'-0"

A1 PROPOSED WALL SECTION
SCALE: 3/4" = 1'-0"

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PROJECT: ALLAGASH BOILER ROOM
INDUSTRIAL WAY, PORTLAND, MAINE
FOR: ALLAGASH BREWING CO.

SHEET TITLE: WALL SECTION AND DETAILS
ISSUED FOR CONSTRUCTION

REVISIONS		
No.	BY	DESCRIPTION	DATE

DATE : 3-29-13
SCALE : AS NOTED
DESIGN BY: ASW
DRAWN BY: RSC
FILE #:
PROJECT NUMBER: 13036
SHEET NO: S102