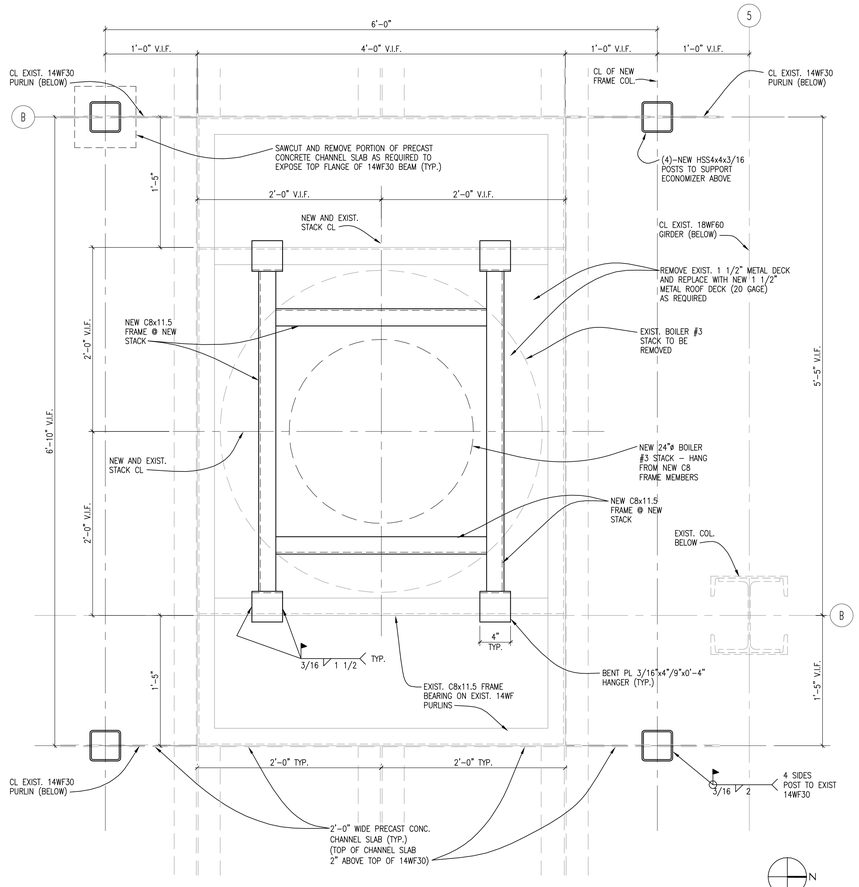
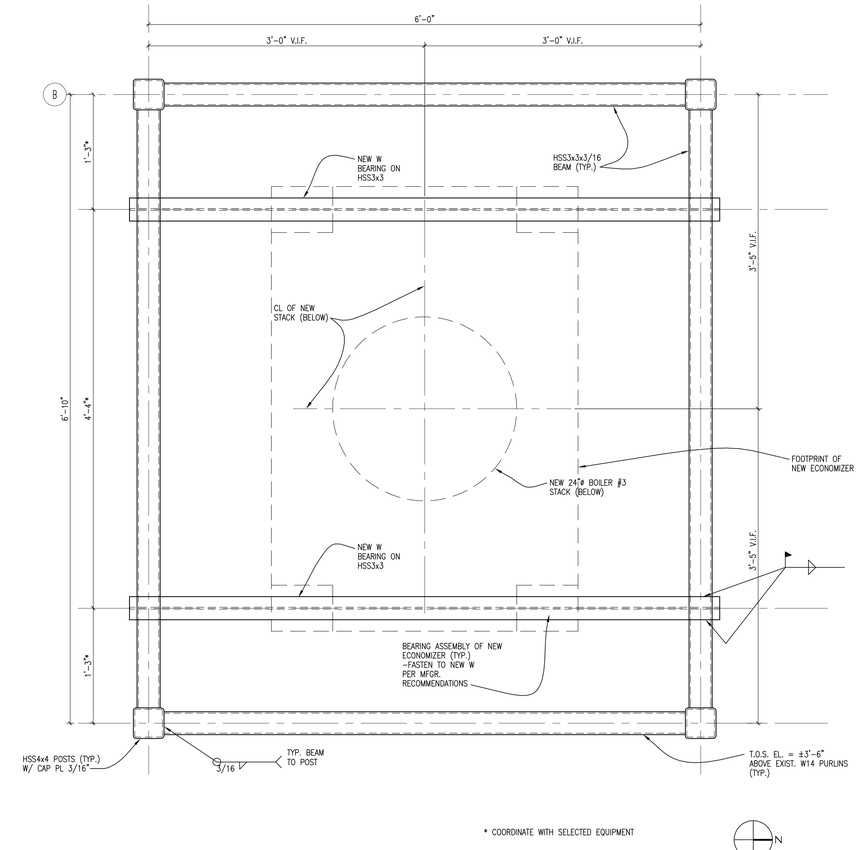


1 MH105 PARTIAL ROOF FRAMING PLAN
SCALE: 1 1/2" = 1'-0"



* COORDINATE WITH SELECTED EQUIPMENT

2 MH105 ECONOMIZER SUPPORT FRAMING PLAN
SCALE: 1 1/2" = 1'-0"

010000 - GENERAL REQUIREMENTS AND DESIGN CRITERIA

1. THESE GENERAL NOTES ARE ORGANIZED BY THE SPECIFICATION NUMBER MOST CLOSELY ASSOCIATED WITH THE INFORMATION, ALTHOUGH SOME UNIQUE NUMBERS HAD TO BE ASSIGNED TO SECTIONS NOT INCLUDED IN THE SPECIFICATIONS. THESE STRUCTURAL GENERAL NOTES APPLY TO ALL WORK, NOT JUST FOR WORK WITHIN THE SECTION NUMBER INDICATED. ALSO REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

2. BUILDING CODE AND SELECT REFERENCED STANDARDS

   INTERNATIONAL BUILDING CODE, 2009. CITY OF OMAHA AMENDMENTS
   AISC 360-05 SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS
   ASCE 7-05 MINIMUM DESIGN LOADS FOR BUILDING AND OTHER STRUCTURES INCLUDING SUPPLEMENT NO. 1 AND 2, EXCLUDING CHAPTER 14 AND APPENDIX 11A
   AWS D1.1-04 STRUCTURAL WELDING CODE - STEEL
   AWS D1.3-98 STRUCTURAL WELDING CODE - SHEET STEEL
   AISC 303-10 CODE OF STANDARD PRACTICE FOR STRUCTURAL STEEL BUILDING AND BRIDGES

   THE PROVISIONS OF THE REFERENCED BUILDING CODE AND ALL REFERENCED STANDARDS THEREIN SHALL APPLY TO THIS PROJECT.

033000 - CAST-IN-PLACE CONCRETE (REINFORCED)

1. ALL STRUCTURAL CONCRETE SHALL BE DESIGNED FOR A 28-DAY COMPRESSIVE STRENGTH OF:

   f'c EQUALS 3000 PSI (NORMAL WEIGHT) [HOUSEKEEPING PAD]

2. ALL REINFORCING STEEL SHALL BE DEFORMED, NEW, AND CONFORM TO ASTM A615 GRADE 60 (DEFORMED BARS).
3. HEADED SHEAR STUDS SHALL CONFORM TO A.W.S. D1.1 - LATEST EDITION REQUIREMENTS FOR STANDARD HEADED STUDS.
4. CONCRETE PROTECTIVE COVERING FOR REINFORCEMENT AT SURFACES NOT EXPOSED DIRECTLY TO EARTH OR WEATHER SHALL BE 3/4" FOR SLABS, UNLESS DETAILED OTHERWISE.
5. PROVIDE 3/4-INCH CHAMFER ON ALL EXPOSED CONCRETE CORNERS.
6. SUBMIT COMPLETE SHOP DRAWINGS FOR REVIEW.

051200 - STRUCTURAL STEEL FRAMING

1. ALL NEW STRUCTURAL STEEL W SHAPES SHALL BE ASTM A992.
   ALL EXISTING STRUCTURAL STEEL WIDE FLANGE SHAPES ARE ASSUMED TO BE ASTM A6 (ALLOWABLE STRESS = 20 KSI)
   STRUCTURAL STEEL FOR CHANNELS, ANGLES AND PLATES SHALL BE ASTM A36 (UNLESS NOTED OTHERWISE).
2. STRUCTURAL STEEL HAS BEEN DESIGNED IN ACCORDANCE WITH "AISC, SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, 2005". ALLOWABLE STRENGTH DESIGN METHOD.
3. ALL FIELD CONNECTIONS SHALL BE MADE WITH 3/4-INCH DIAMETER ASTM A325 BOLTS (BEARING TYPE CONNECTION), UNLESS NOTED OTHERWISE. BOLTS SHALL BE TIGHTENED IN CONFORMANCE WITH "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS" RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS OF THE ENGINEERING FOUNDATION.
4. STRUCTURAL TUBING SHALL CONFORM TO ASTM A500, GRADE B WITH A MINIMUM YIELD STRENGTH OF 46,000 PSI.
5. ALL WELDING SHALL BE DONE WITH E70XX ELECTRODES IN CONFORMANCE WITH THE AMERICAN WELDING SOCIETY (AWS) "STRUCTURAL WELDING CODE" AWS D1.1 - LATEST EDITION.
6. SUBMIT SHOP DRAWINGS TO THE ARCHITECT FOR REVIEW.

Revisions:	Date

CONSULTANTS:

ARCHITECT/ENGINEERS:
LEO A DALY PLANNING ARCHITECTURE ENGINEERING INTERIORS EST. 1915
8600 Indian Hills Drive
Omaha, NE 68114-4039 USA
Tel 402-391-8111 Fax 402-391-8564

Architect Project No. 003-10099-009

Drawing Title	STRUCTURAL PARTIAL FRAMING PLANS
Project Title	BOILER REPLACEMENT
Project Number	636-13-102
Building Number	2
Approved Project Director	Name
Location	OMAHA, NE
Date	JUNE 28, 2013
Checked	DET
Drawn	MAT
Drawing Number	SF101

Office of Construction and Facilities Management
Department of Veterans Affairs

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