GENERAL NOTES:

1. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH JOB SPECIFICATIONS AND ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, AND SITE DRAWINGS. CONSULT THESE DRAWINGS FOR LOCATIONS AND DIMENSIONS OF OPENINGS, CHASES, INSERTS, REGLETS, SLEEVES, DEPRESSIONS, AND OTHER DETAILS NOT SHOWN ON THE STRUCTURAL DRAWINGS.

2. 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.

3. THE STRUCTURE IS DESIGNED TO BE SELF SUPPORTING AND STABLE AFTER THE BUILDING IS COMPLETE. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURES AND SEQUENCE TO ENSURE SAFETY OF THE STRUCTURE AND PERSONNEL DURING ERECTION. THIS INCLUDES THE ADDITION OF THE NECESSARY SHORING, SHEETING, TEMPORARY BRACING, GUYS OR TIEDOWNS. SUCH MATERIAL SHALL REMAIN THE PROPERTY OF THE CONTRACTOR AFTER COMPLETION OF THE PROJECT.

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

STRUCTURAL STEEL NOTES - GENERAL

1. STRUCTURAL STEEL FABRICATION, ERECTION, AND CONNECTION DESIGN SHALL CONFORM TO AISC "SPECIFICATION FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL" 9th EDITION.

2. ALL STEEL SHAPES AND PLATES TO BE ASTM A36 UNLESS NOTED OTHERWISE. ALL WF SHAPES TO BE ASTM A992 (Fy= 50 ksi).

3. STRUCTURAL TUBING SHALL CONFORM TO ASTM A500, GRADE B (Fy= 46 ksi). STEEL PIPES SHALL BE A53, GRADE B.

4. THE DESIGN OF CONNECTIONS NOT SHOWN ON THE DRAWINGS SHALL BE PROVIDED BY THE FABRICATOR. CONNECTIONS SHALL BE DESIGNED FOR THE FORCES SHOWN, OR IF NOT SHOWN, EACH CONNECTION SHALL BE CAPABLE OF SUPPORTING ONE HALF THE TOTAL ALLOWABLE UNIFORM LOAD CAPACITY OF THE MEMBER, PER AISC MANUAL OF STEEL CONSTRUCTION.

5. ALL BOLTED CONNECTIONS SHALL BE MADE WITH $\frac{3}{4}$"ϕ ASTM A325 HIGH STRENGTH BOLTS.

6. WELDING SHALL BE IN ACCORDANCE WITH AWS D1.1 - LATEST EDITION. ALL WELDS SHALL BE MADE WITH E70XX ELECTRODES.

7. STEEL BEAMS AND COLUMNS SHALL BE CUT FROM FULL LENGTH STOCK. UNAUTHORIZED SPLICES WILL BE CAUSE FOR REJECTION.

8. STRUCTURAL STEEL SHALL BE PAINTED WITH A SHOP APPLIED COAT OF THE FABRICATOR'S RUST INHIBITIVE PRIMER.

9. SUBMIT COMPLETE STRUCTURAL STEEL SHOP DRAWINGS FOR REVIEW PRIOR TO ANY STEEL FABRICATION.

GENERAL COLD FORMED METAL FRAMING NOTES:

MATERIALS:
1. All Cold Formed Steel Materials shall comply with AISI Specifications and SSMA.
2. Steel shall meet Fy= 33ksi min. for materials 18ga and Lighter, 50ksi for 16ga and Heavier.
3. Galvanizing shall be G60 or per project specifications.

GENERAL NOTES:
4. All conditions and dimensions shall be field verified prior to erection.

INSTALLATION:
5. Temporary bracing is the responsibility of the contractor. Do not remove bracing until work is permanently stabilized. Installation means and methods are the responsibility of the contractor.

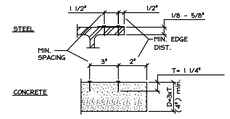
LOAD BEARING MEMBERS: (JOISTS, RAFTERS, AND AXIALLY LOADED STUDS)

6. Both flanges of studs must be attached to track members @ top & bottom.
7. All axially loaded members shall be aligned vertically to allow for full transfer of loads down to the foundation.
8. Load bearing members shall bear squarely and tightly in their tracks. Provide at least 10 inches of unpunched steel at bearing points.
9. Stud lateral bridging requirements for walls subject to axial loading - bridging may be provided by any one of the following:
   a.) $1\frac{5}{8}$" cold rolled U-channel attached w/ clips and No. 6 screws (spacing as required) (6" wide studs, max.)
   b.) 2" x 20 gage flat strapping applied to both stud faces with one bay of solid blocking every 10' (spacing as required).
   c.) spazzer bar 5400 bridging running through studs then twist locking (spacing as required) (6" wide studs, max.)
10. Joists and Rafters shall have Bridging as Noted on the Plans or Maximum of 8ft oc.

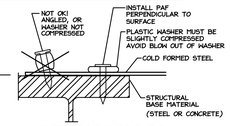
POWDER ACTUATED FASTNER NOTES

1. PAFs Based On Hilti Products (or Equal).
2. Attach Track to Structure with (1)PAF at 16"oc, Typical UNO (see Legend Notes)
3. Attachment of Clip Angles - See Window/Door Schedule on S3 and Wall Sections.
4. See Table Below For Minimum Size, Edge Distance and Spacing Between PAFs.

Fastener	Minimum Diameter	Material	Minimum Length	Minimum Edge Distance	Minimum Spacing
P.A.F.	0.145"min.	Concrete	$1\frac{1}{4}$"	2"	3"
P.A.F.	0.145"min.	Steel	$\frac{5}{8}$"	$\frac{1}{2}$"	$1\frac{1}{2}$"



PAF SPACING AND EDGE DISTANCE DIAGRAM

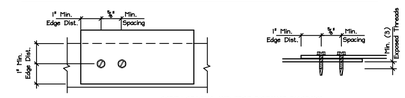


PROPER PAF INSTALLATION DIAGRAM

SCREW NOTES

1. Screws Based On Buildex Products. Penetration through joined materials shall not be less than three exposed threads.
2. Studs, Joists And Rafters, Attach To End Tracks With (1) #10-16 Screws At Each Flange, Typical UNO.
3. Attachment of Track to Metal Deck, or CFS - Provide (2)#10-16 Ea. Stud, Typical UNO (see Legend Notes on Wall Section sheets).
4. All Stud Overlap Connections Shall Be (4) #10-16 Screws, Typical UNO (see Legend Notes on Wall Section sheets)..
5. Clip Angles - Refer to Manufacturer for Special Screws Req'd.
6. See Table Below For Minimum Size, Edge Distance and Spacing Between Screws.

Fastener	Diameter	Material	Length	Edge Distance	Spacing
Screw	#10-16	Light Gage	$\frac{5}{8}$"min.	1"	$\frac{5}{8}$"
Screw	#12-14	Clips	$\frac{5}{8}$"min.	1"	$\frac{5}{8}$"



SCREW SPACING AND EDGE DISTANCE DIAGRAMS

MacLeod
Structural Engineers, PA
404 Main Street Gorham, Maine 04038 207.839.0980

EASTERN FISHERIES

22 ANTONIO COSTA AVE.
NEW BEDFORD, MA.

LIGHT GAGE METAL FRAMING

TITLE: NOTES

DATE: 11/10/14	DRAWN BY: BWM	DRAWING NUMBER:
SCALE: as noted	PROJ NO: 2014-287	S-1.1