SECTION 5 / S1-5
Scale: 1/4" = 1'–0"

CONCRETE NOTES:

1. ALL CONCRETE WORK SHALL CONFORM TO ACI–318–LATEST EDITION.
2. CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS SHALL BE 3000 PSI, MAXIMUM SIZE AGGREGATE SHALL BE 0".
3. CONCRETE TO REMAIN EXPOSED TO WEATHER SHALL BE AIR ENTRAINED.
4. CONCRETE SHALL NOT BE PLACED IN WATER OR ON FROZEN GROUND.
5. REINFORCING BARS SHALL CONFORM TO ASTM A615 GRADE 60. DEFORMED BARS SHALL BE DETAILED AND FABRICATED IN ACCORDANCE TO ACI–315 LATEST EDITION, AND PLACED IN ACCORDANCE WITH ACI–318.
6. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185 AND BE PROVIDED IN FLAT SHEETS.
7. SPLICES OF REINFORCING BARS SHALL BE IN ACCORDANCE WITH ACI–318. SPLICES OF WWF SHALL BE 6" MINIMUM.
8. ANCHOR BOLTS SHALL CONFORM TO ASTM A307.
9. HOOKS NOT DIMENSIONED SHALL BE ACI STANDARD HOOKS.
10. CONCRETE COVER OVER REINFORCEMENT SHALL BE AS FOLLOWS:
    CONCRETE CAST AGAINST EARTH = 3"
    CONCRETE EXPOSED TO EARTH OR WEATHER = 1Ð"
    CONCRETE NOT EXPOSED TO EARTH OR WEATHER = 0"
11. SUBMIT COMPLETE REBAR SHOP DRAWINGS AND SCHEDULES SHOWING ALL DETAILS AND ELEVATIONS PRIOR TO ANY FABRICATION.
12. CONCRETE CONTROL JOINT SPACING SHOWN IS AN ATTEMPT TO CONTROL THE CRACKING OF THE SLAB WHILE IT CURES. THE LAYOUT SHOWN DOES NOT WARRANTY THAT ALL CRACKS WILL BE CONTROLLED.

MASONRY GENERAL NOTES

1. CONCRETE MASONRY SHALL BE ASTM C90, GRADE N, TYPE 1.
   JOINT REINFORCING SHALL BE ASTM A82.
   GROUT SHALL ASTM C476, TYPE 1 FINE GROUT.
   MORTAR SHALL BE ASTM C270 TYPE S.
   PORTLAND CEMENT SHALL BE ASTM C150 TYPE 1.
   MORTAR SHALL NOT BE USED WHERE GROUT IS SPECIFIED.
2. ALL REINFORCING SHALL BE 60,000 PSI YIELD, NEW BILLET STEEL CONFORMING TO ASTM A–615 GRADE 60.
   SPLICE LENGTHS: #4 BAR = 2'0"
   #5 BAR = 2'6"
3. ALL MASONRY BLOCK WALLS SHALL BE OF SINGLE WYTHE CONSTRUCTION, AND LAID IN RUNNING BOND. TOOL ALL JOINTS CONCAVE.
4. CORNER BLOCKS AND END BLOCKS SHALL BE USED TO FINISH ALL 90° CORNERS AND WALLS OPENINGS.
5. VERTICAL REINFORCING:
   AT FOUR CORNERS, GROUT (3) CELLS FULL AND REINFORCE #5 VERTICAL.
6. HORIZONTAL REINFORCING:
   AT ALL BOND BEAMS, PROVIDE (2) #5s CONT.

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 WIDE FLANGE SHAPES TO BE A572/A992 50 KSI AND STEEL PLATES TO BE ASTM A36 UNLESS NOTED OTHERWISE.
3. STRUCTURAL TUBING SHALL CONFORM TO ASTM A500, GRADE B. STEEL PIPES SHALL BE A53, GRADE B
5. ALL BOLTED CONNECTIONS SHALL BE MADE WITH 0"ø 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. STRUCTURAL STEEL SHALL BE PAINTED WITH A SHOP APPLIED COAT OF THE FABRICATOR'S RUST INHIBITIVE PRIMER. STEEL FOR CARPORT TO RECIEVE AND ADDTIONAL SHOP APPLIED FINISH COAT BY TNEMEC OR EQUAL. SUBMIT PAINT SPEC. FRO APPROVAL.
8. SUBMIT COMPLETE STRUCTURAL STEEL SHOP DRAWINGS FOR REVIEW PRIOR TO ANY STEEL FABRICATION.

Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 07/21/14

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Drawn By:	TGS

Renovations To
130 Eastern Promenade
Portland Maine

STATE OF MAINE
TIMOTHY G. SHELLEY
No. 5952
LICENSED
PROFESSIONAL ENGINEER

SHEET TITLE:
Building Section

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SEI Job # 2014–083

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