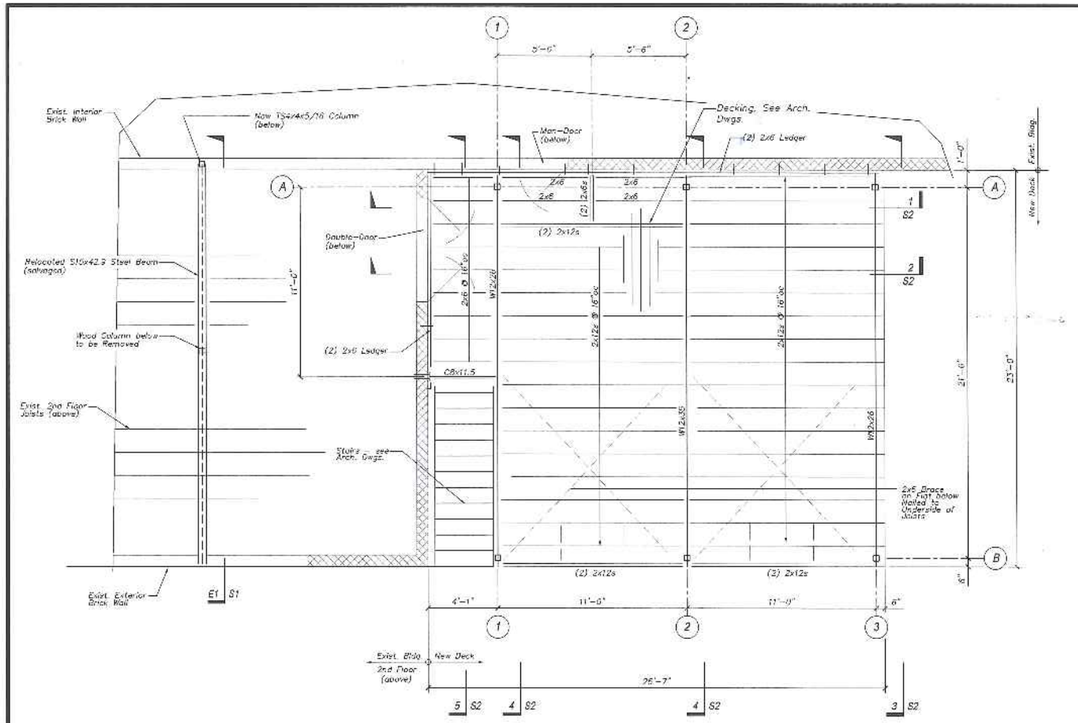
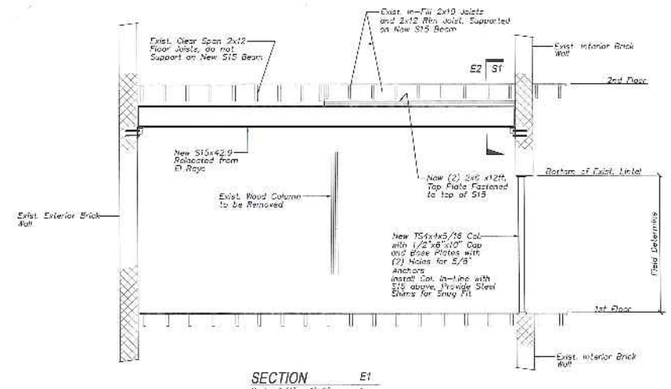


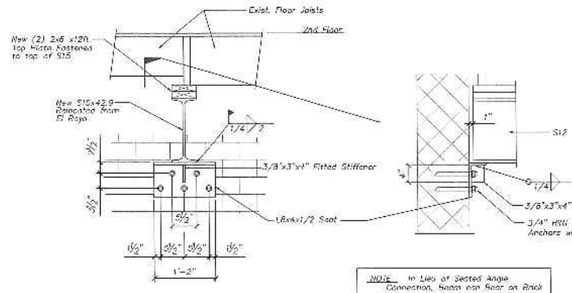
NEW EXTERIOR DECK - FRAMING PLAN

Scale: 1/4" = 1'-0"



SECTION E1

Scale: 1/4" = 1'-0" S1



SECTION E2

Scale: 3/4" = 1'-0" S1

NOTE: No Use of Slotted Angle Connection, Beam can Soar on Brick Wall with 6" Minimum End Bearing. Brick-in after Installation

STRUCTURAL DESIGN CRITERIA:

1. BUILDING CODE: 2009 EDITION OF THE INTERNATIONAL BUILDING CODE.
2. EXTERIOR DECK LIVE LOAD = 100 PSF
3. SECOND FLOOR LIVE LOAD = 50 PSF + 20 PSF PARTITION ALLOWANCE
4. SNOW LOAD:
   DECK SNOW LOAD = 42 PSF + DRIFT

GENERAL NOTES:

1. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH JOB SPECIFICATIONS, ARCHITECTURAL AND SITE DRAWINGS.
2. ALL DIMENSIONS AND CONDITIONS MUST BE VERIFIED IN THE FIELD.
3. ALL APPLICABLE FEDERAL, STATE, AND MUNICIPAL REGULATIONS SHALL BE FOLLOWED, INCLUDING THE FEDERAL DEPARTMENT OF LABOR OCCUPATIONAL SAFETY AND HEALTH ACT.

FOUNDATION NOTES:

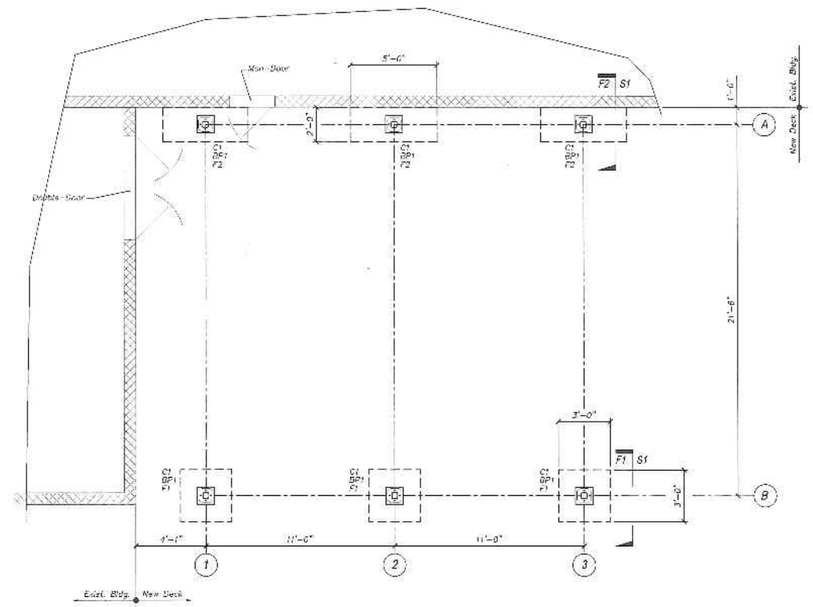
1. FOUNDATION DESIGN BASED ON AN ASSUMED MAXIMUM ALLOWABLE BEARING PRESSURE OF 2500 PSF. IT IS THE RESPONSIBILITY OF THE OWNER/CONTRACTOR TO VERIFY THE SOIL BEARING CAPACITY. NOTIFY THE ENGINEER AND STOP WORK IF CLAY, WET SOILS, FILL, OR OTHER DELETERIOUS MATERIALS ARE ENCOUNTERED.
2. DESIGN OF EXTERIOR FOUNDATIONS IS BASED ON A FROST DEPTH OF 4'-0" BELOW FINISHED GRADE.

WOOD FRAMING NOTES:

1. STRUCTURAL LUMBER: No. 1 SOUTHERN YELLOW PINE, PRESSURE TREATED
   Fb = 850 PSI Fv = 70 PSI
   Fc = 975 PSI E = 1600000 PSI
2. DESIGN CODE: NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION BY THE NATIONAL FOREST PRODUCTS ASSOCIATION.
3. FASTENERS: COMPLY WITH RECOMMENDED FASTENING SCHEDULE OF THE INTERNATIONAL BUILDING CODE, 2009 EDITION, UNLESS SHOWN OTHERWISE ON THE DRAWINGS.

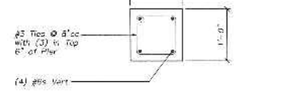
STRUCTURAL STEEL NOTES - GENERAL:

1. STRUCTURAL STEEL FABRICATION, ERECTION, AND CONNECTION DESIGN SHALL CONFORM TO AISC "SPECIFICATION FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL" 13th EDITION.
2. STRUCTURAL TUBING SHALL CONFORM TO ASTM A500, GRADE B. STEEL PIPES SHALL BE A53, GRADE B
3. ALL BOLTED CONNECTIONS SHALL BE MADE WITH 3/4" DIA. ASTM A325 HIGH STRENGTH BOLTS.
4. WELDING SHALL BE IN ACCORDANCE WITH AWS D1.1 – LATEST EDITION. ALL WELDS SHALL BE MADE WITH E70XX ELECTRODES.
5. STRUCTURAL STEEL SHALL BE GALVANIZED.
6. SUBMIT COMPLETE STRUCTURAL STEEL SHOP DRAWINGS FOR REVIEW PRIOR TO ANY STEEL FABRICATION



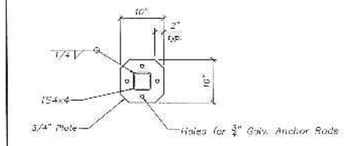
NEW EXTERIOR DECK - FOUNDATION PLAN

Scale: 1/4" = 1'-0"



DETAIL A S1 Concrete Pier

Scale: 3/4"=1'-0"

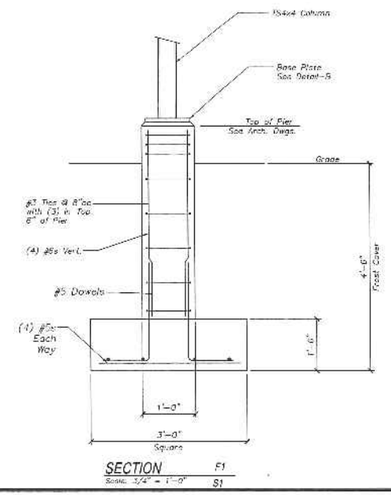


DETAIL B S1 Base Plate

Scale: 3/4"=1'-0"

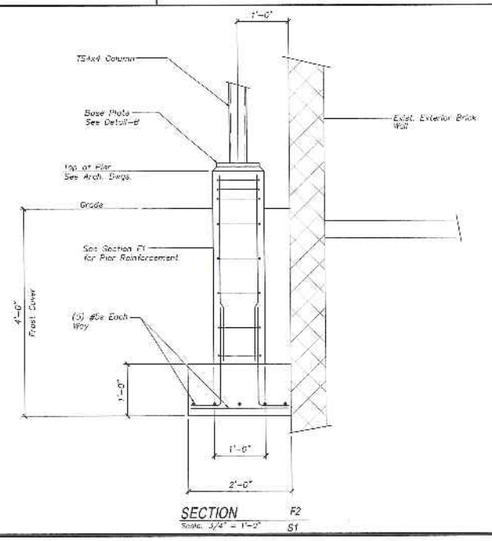
CONCRETE NOTES:

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 3/4".
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



SECTION F1 S1

Scale: 3/4" = 1'-0"



SECTION F2 S1

Scale: 3/4" = 1'-0"

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ME

EL RAYO, Free Street

Portland

Issue	Date
Review	1/16/19
Review	2/10/19

STATE OF MAINE — TIMOTHY O. SHELLEY — No. 8852 — REGISTERED PROFESSIONAL ENGINEER

SHEET TITLE:

Structural

S1 of 2

SEI Job# 2018-011