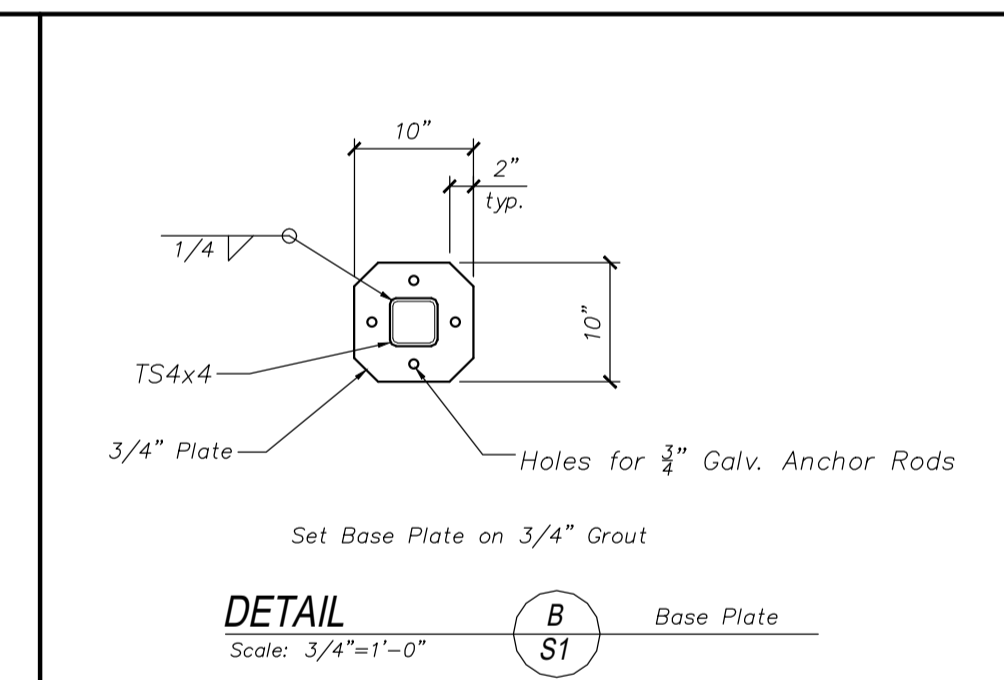
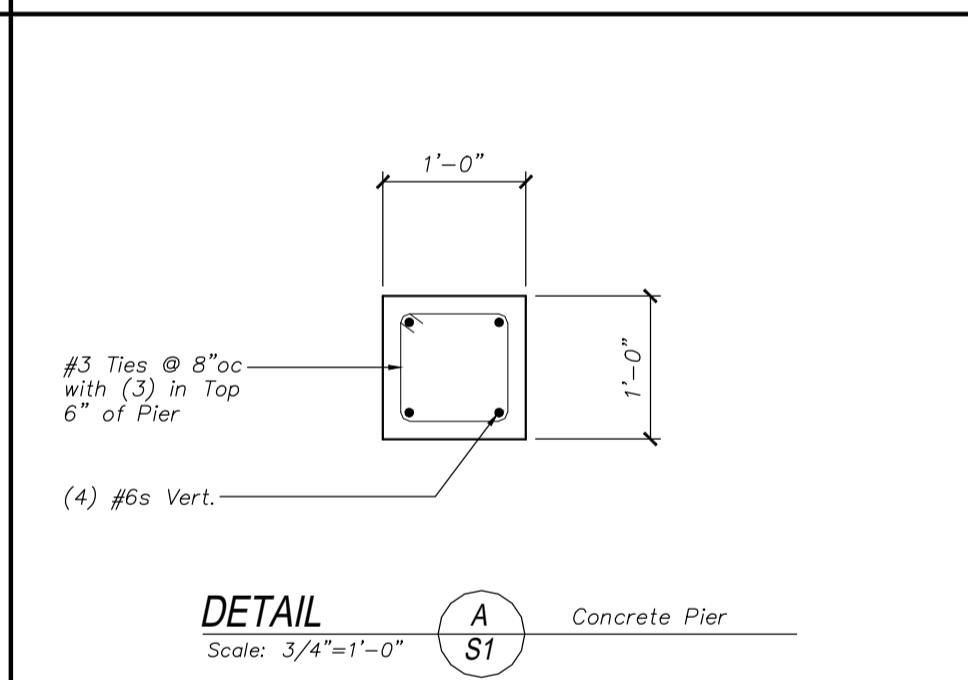
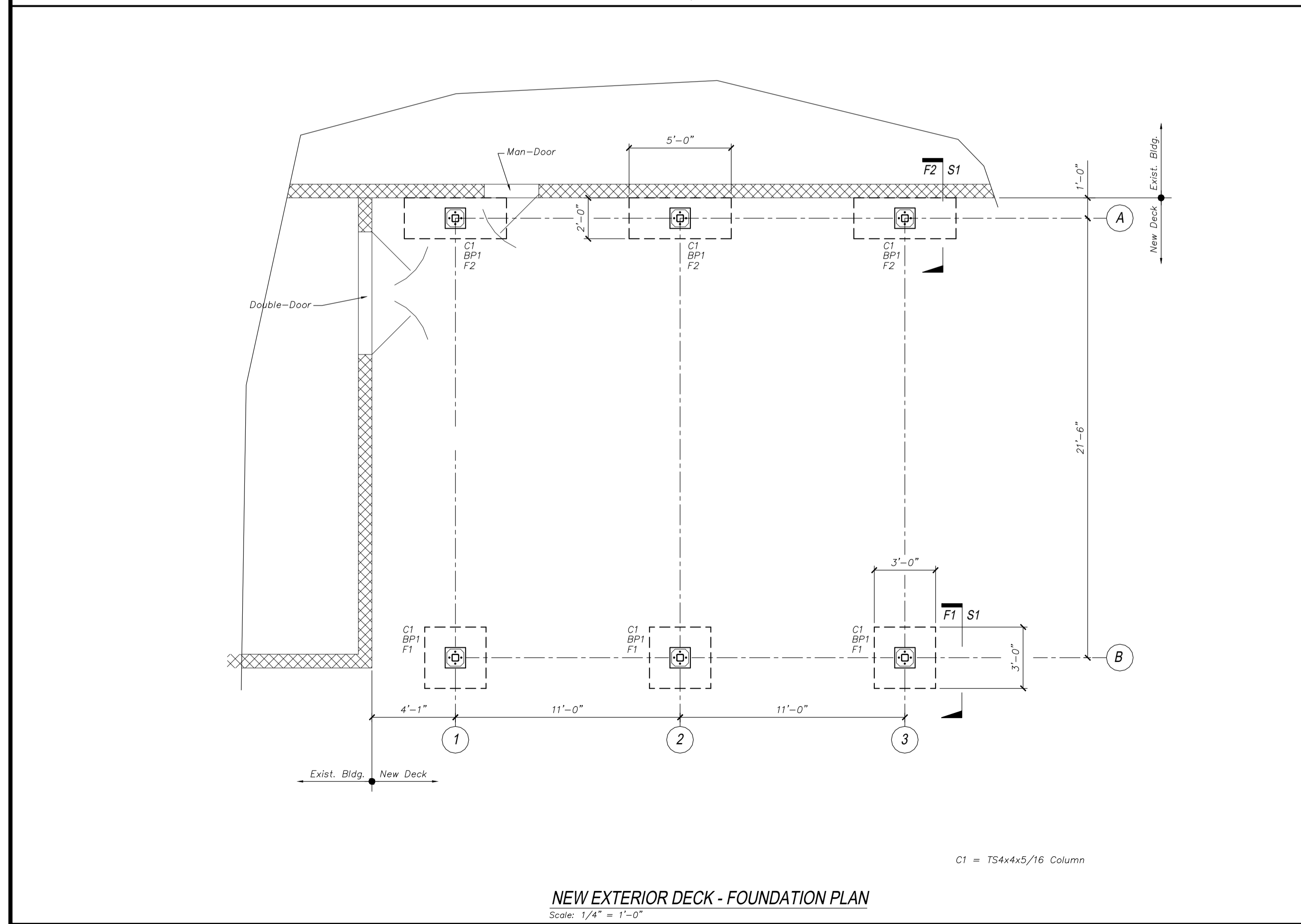
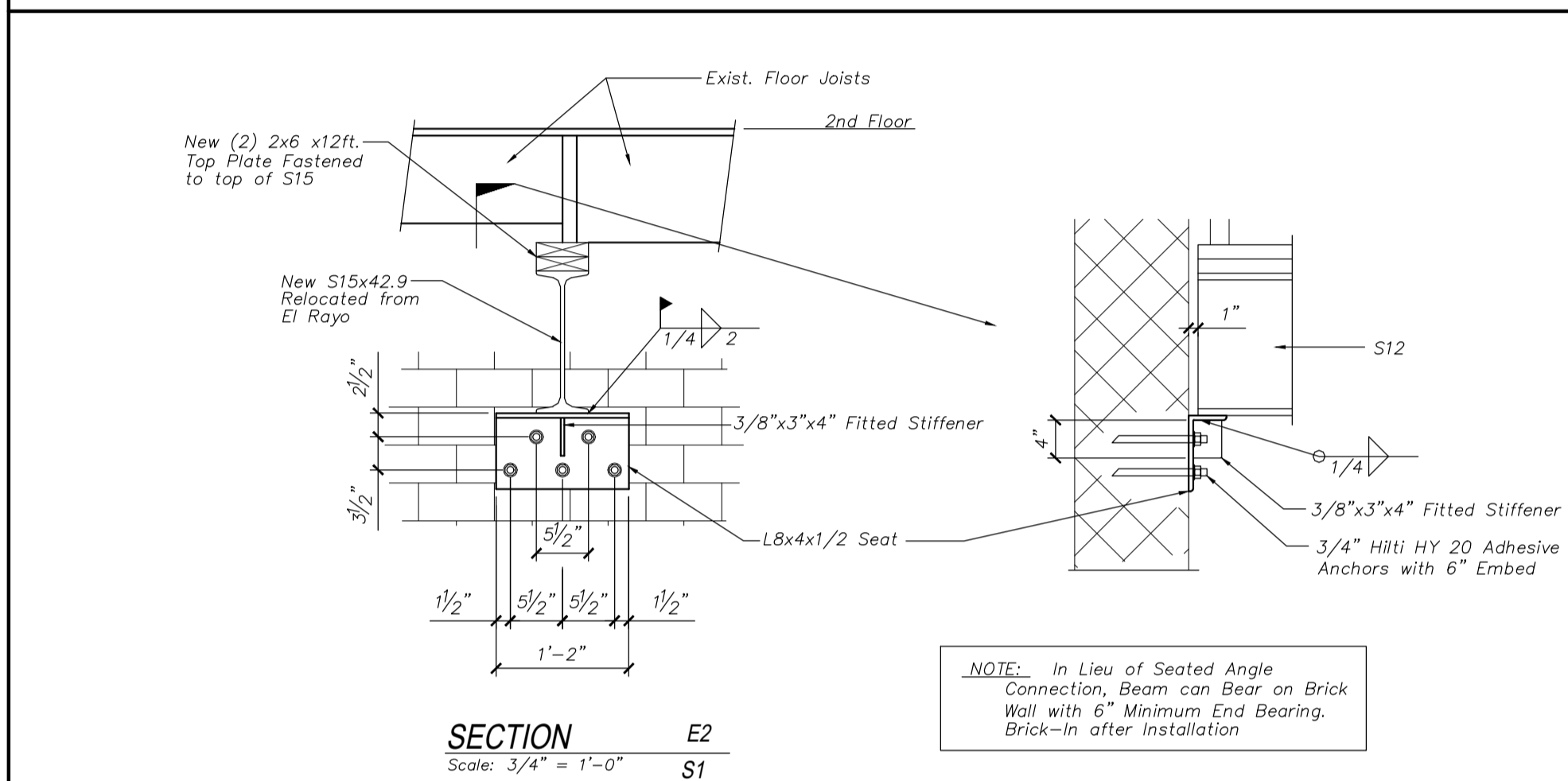
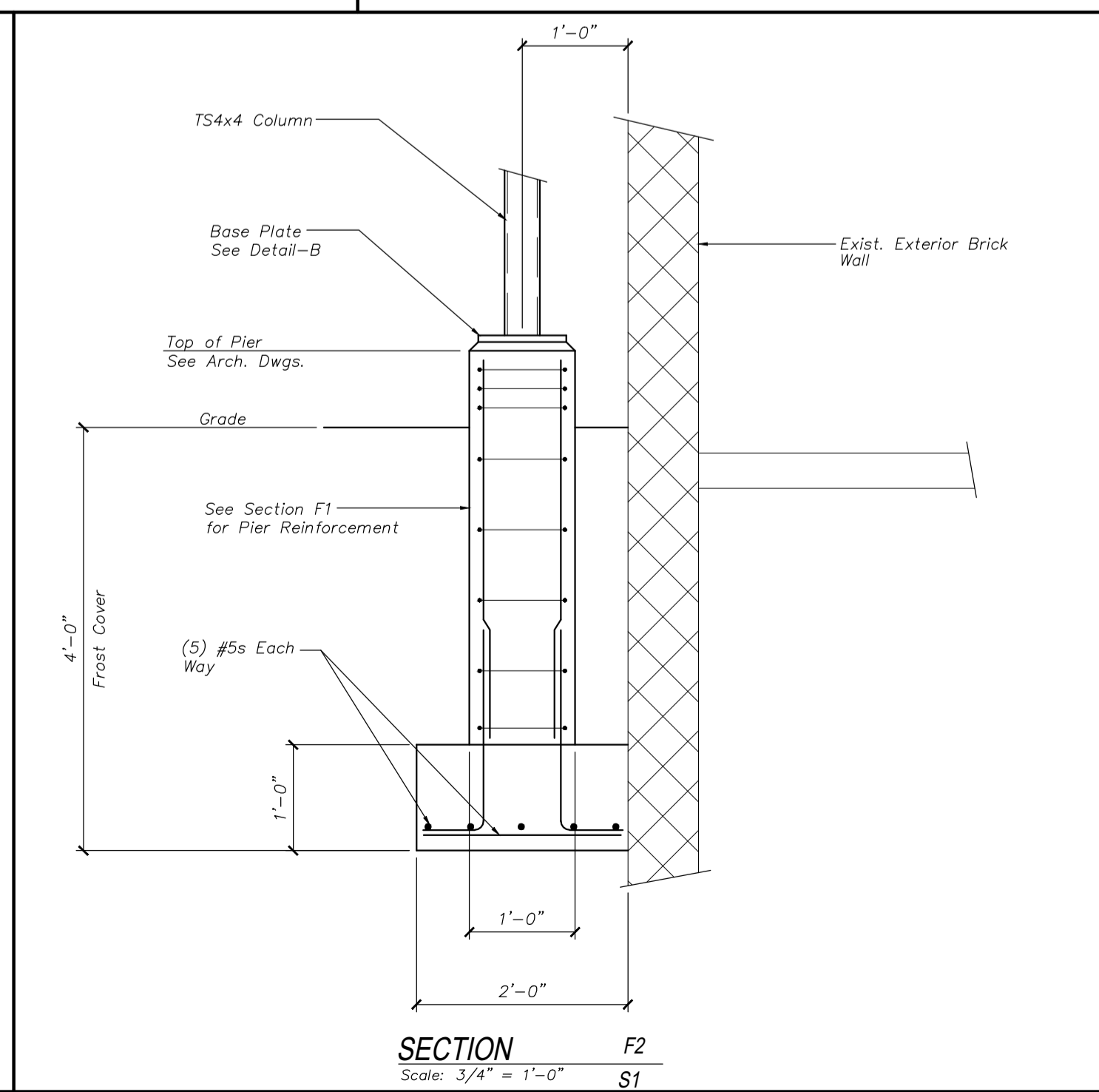
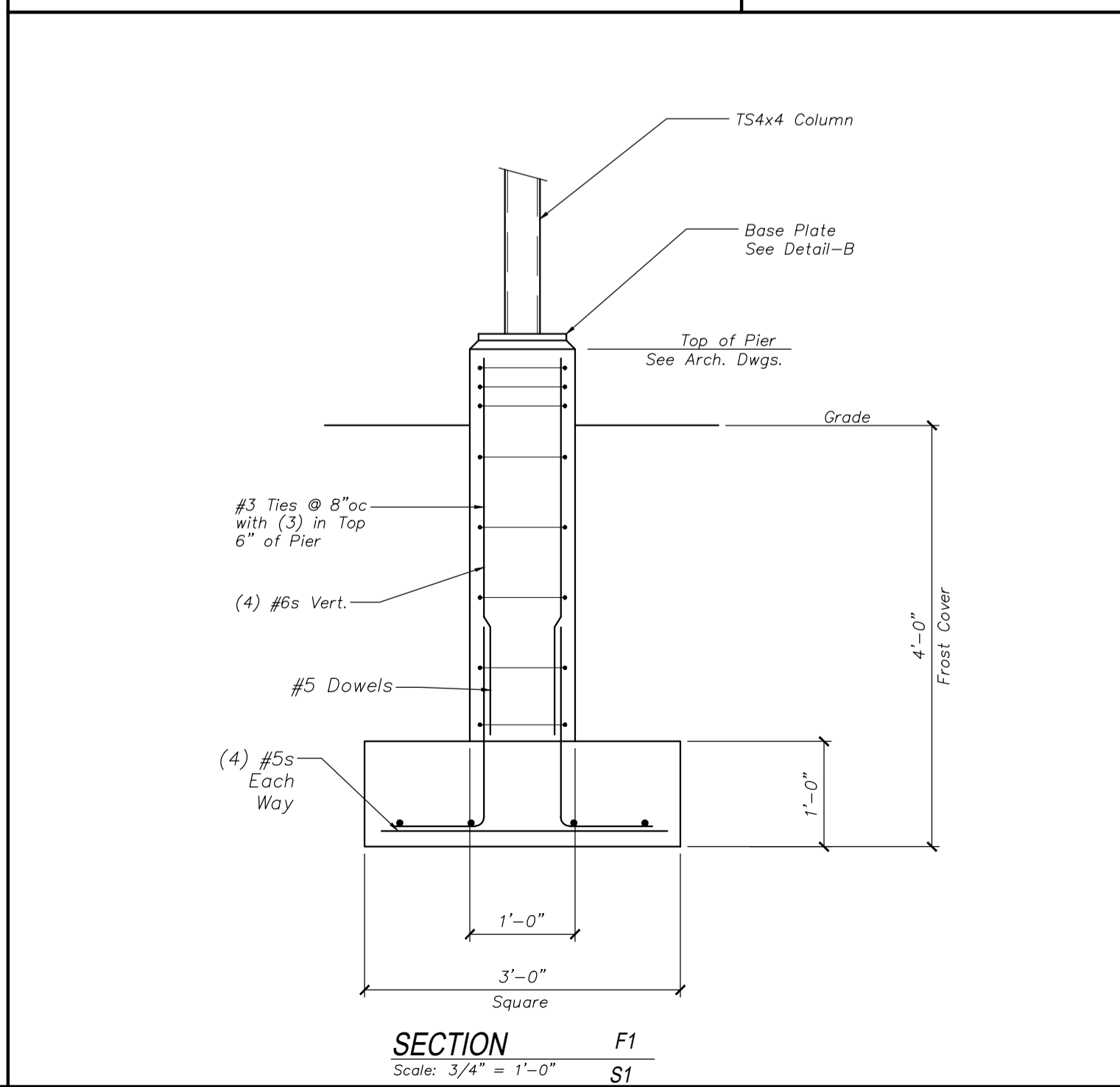


- STRUCTURAL DESIGN CRITERIA:**
- BUILDING CODE: 2009 EDITION OF THE INTERNATIONAL BUILDING CODE.
  - EXTERIOR DECK LIVE LOAD = 100 PSF
  - SECOND FLOOR LIVE LOAD = 50 PSF + 20 PSF PARTITION ALLOWANCE
  - SNOW LOAD: DECK SNOW LOAD = 42 PSF + DRIFT
- GENERAL NOTES:**
- STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH JOB SPECIFICATIONS, ARCHITECTURAL AND SITE DRAWINGS.
  - ALL DIMENSIONS AND CONDITIONS MUST BE VERIFIED IN THE FIELD.
  - ALL APPLICABLE FEDERAL, STATE, AND MUNICIPAL REGULATIONS SHALL BE FOLLOWED, INCLUDING THE FEDERAL DEPARTMENT OF LABOR OCCUPATIONAL SAFETY AND HEALTH ACT.
- FOUNDATION NOTES:**
- 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.
  - DESIGN OF EXTERIOR FOUNDATIONS IS BASED ON A FROST DEPTH OF 4'-0" BELOW FINISHED GRADE.
- WOOD FRAMING NOTES:**
- STRUCTURAL LUMBER: No. 1 SOUTHERN YELLOW PINE, PRESSURE TREATED  
F<sub>b</sub> = 850 PSI F<sub>v</sub> = 70 PSI  
F<sub>c</sub> = 975 PSI E = 1100000 PSI
  - DESIGN CODE: NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION BY THE NATIONAL FOREST PRODUCTS ASSOCIATION
  - FASTENERS: COMPLY WITH RECOMMENDED FASTENING SCHEDULE OF THE INTERNATIONAL BUILDING CODE, 2009 EDITION, UNLESS SHOWN OTHERWISE ON THE DRAWINGS.
- STRUCTURAL STEEL NOTES - GENERAL:**
- STRUCTURAL STEEL FABRICATION, ERECTION, AND CONNECTION DESIGN SHALL CONFORM TO AISC "SPECIFICATION FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL" 13th EDITION.
  - STRUCTURAL TUBING SHALL CONFORM TO ASTM A500, GRADE B. STEEL PIPES SHALL BE A53, GRADE B
  - ALL BOLTED CONNECTIONS SHALL BE MADE WITH 3/4" DIA. ASTM A325 HIGH STRENGTH BOLTS.
  - WELDING SHALL BE IN ACCORDANCE WITH AWS D1.1 - LATEST EDITION. ALL WELDS SHALL BE MADE WITH E70XX ELECTRODES.
  - STRUCTURAL STEEL SHALL BE GALVANIZED.
  - SUBMIT COMPLETE STRUCTURAL STEEL SHOP DRAWINGS FOR REVIEW PRIOR TO ANY STEEL FABRICATION.



- CONCRETE NOTES:**
- ALL CONCRETE WORK SHALL CONFORM TO ACI-318-LATEST EDITION.
  - CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS SHALL BE 3000 PSI. MAXIMUM SIZE AGGREGATE SHALL BE 3/4".
  - CONCRETE TO REMAIN EXPOSED TO WEATHER SHALL BE AIR ENTRAINED.
  - CONCRETE SHALL NOT BE PLACED IN WATER OR ON FROZEN GROUND.
  - REINFORCING BARS SHALL CONFORM TO ASTM A615 GRADE 60.



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Portland

| Issue  | Date    |
|--------|---------|
| Review | 1/16/16 |
| Review | 2/10/16 |

**SHEET TITLE:**  
Structural

S1 of 2

SEI Job # 2016-011

CITY OF PORTLAND  
DEPARTMENT OF PERMITTING  
SUBJECT: Construction of Proposed  
and Related Construction

4-4-16  
NAME: Barbara Barryett  
PROJECT NO.: #2016-044