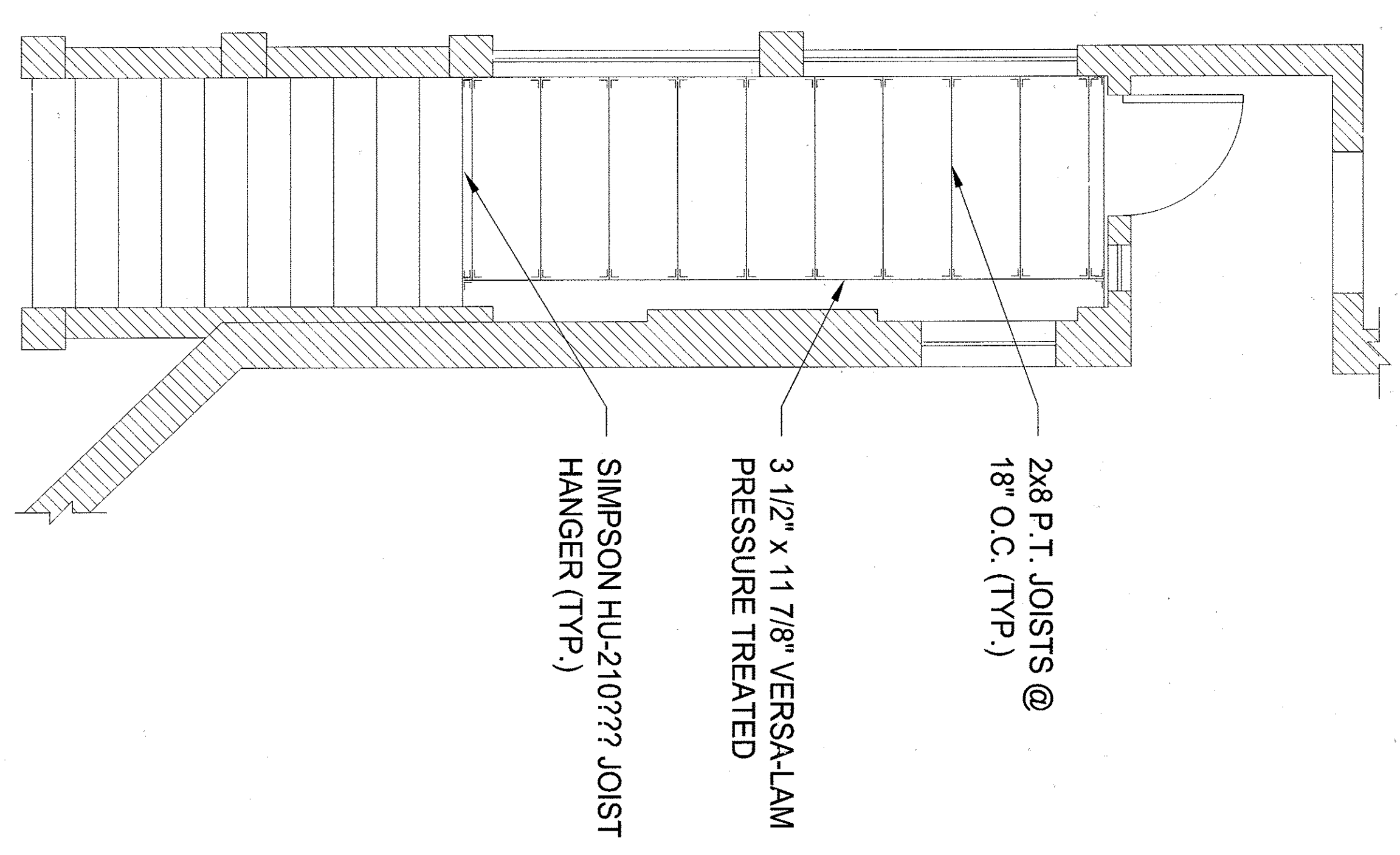


3 PORCH FOUNDATION PLAN
SCALE 3/8" = 1'-0"

CAST-IN-PLACE CONCRETE

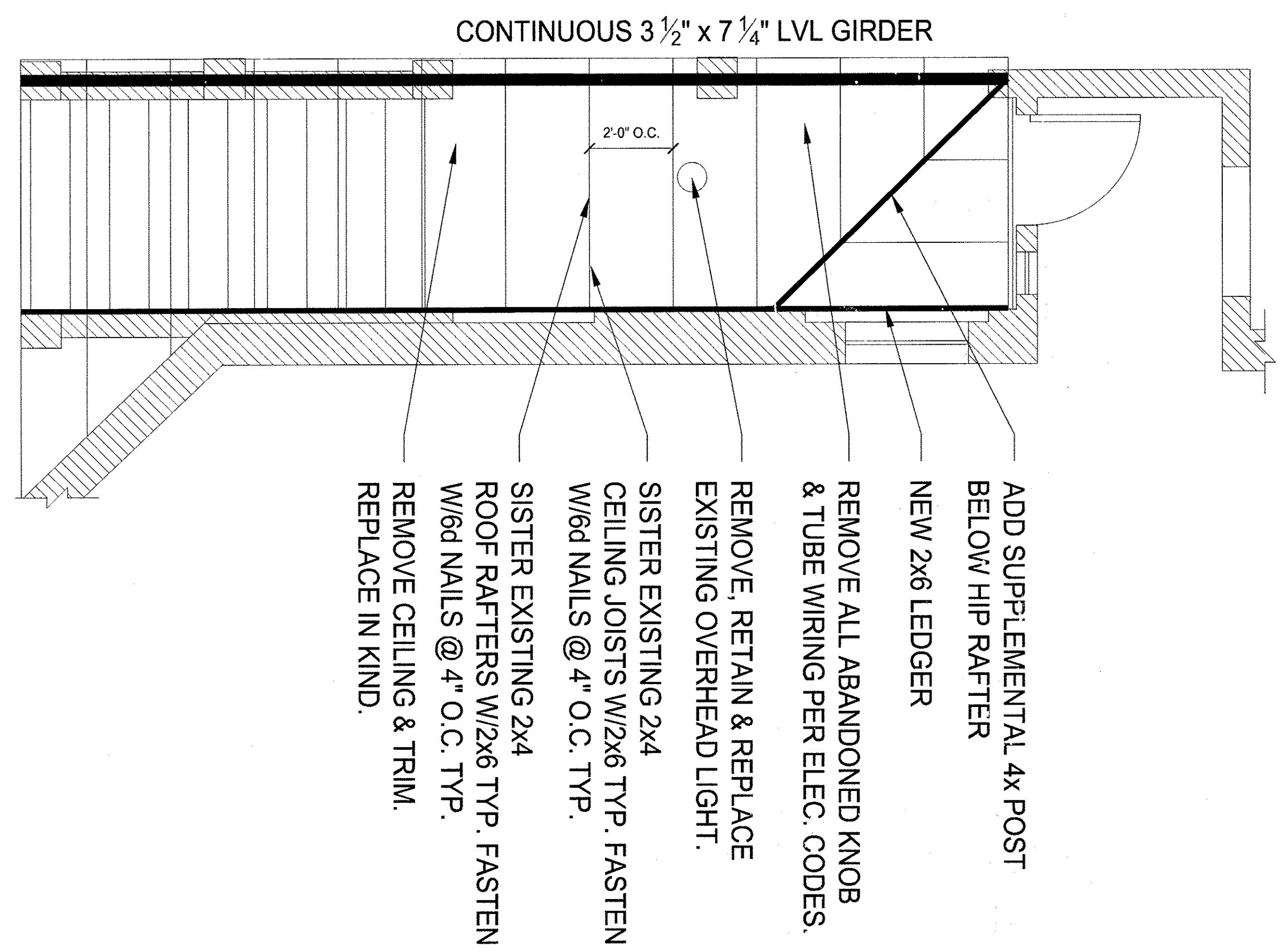
1. ALL CONCRETE WORK AND REINFORCING BAR DETAILS SHALL CONFORM TO THE LATEST ACI STANDARDS, ACI 301 AND 318.
2. FOUNDATION CONCRETE SHALL BE AIR-ENTRAINED, (6 TO 7%), AND HAVE A 28-DAY COMPRESSIVE STRENGTH OF 3,000 PSI.
3. PLACE NO CONCRETE WITHOUT REVIEW AND APPROVAL OF THE REINFORCING AND EMBEDDED ITEMS BY THE TOWN OR BY THE ENGINEER.
4. ALL CONCRETE MATERIALS, REINFORCEMENT, AND FORMS SHALL BE FREE OF FROST OR DEBRIS.
5. CONSOLIDATE ALL CONCRETE WITH A VIBRATOR OR OTHER MEANS RECOMMENDED BY ACI 301.
6. PROVIDE DIAGONAL REINFORCING BARS AROUND INSIDE CORNERS OF ALL OPENINGS IN CONCRETE.
7. MINIMUM CONCRETE COVER FOR REINFORCING STEEL SHALL BE AS FOLLOWS:
CONCRETE CAST AGAINST EARTH 3 INCHES
FORMED CONCRETE EXPOSED TO EARTH OR WEATHER 1 1/2 INCHES 4# BARS
2 INCHES #9 OR GREATER
8. BACKFILL BOTH SIDES OF EXCAVATED SUPPLEMENTAL FOOTINGS SIMULTANEOUSLY TO PREVENT UNEVEN LATERAL LOADING.



2 PORCH FRAMING PLAN
SCALE 3/8" = 1'-0"

ROUGH CARPENTRY MATERIALS

1. DIFFERING TIMBER MATERIALS ARE SPECIFIED AT VARIOUS LOCATIONS. MATERIAL GRADES SHALL CONFORM TO THE FOLLOWING SPECIES AND GRADES:
WALLS: PRESSURE-TREATED TIMBER, SOUTHERN YELLOW PINE NO. 2 GRADING
COMPOSITE LUMBER, VERSA-LAM BY BOISE CASCADE, FR-3, 100 PSI, E-2000K1
LUMBER SHEATHING, ADVANTER SHEATHING
S-P-F & STUD: SOUTHERN YELLOW PINE NO. 2 GRADING
VERSALAM BY BOISE CASCADE, FR-3, 100 PSI, E-2000K1
LUMBER SHEATHING, ADVANTER SHEATHING
ALL LUMBER AND TIMBER FRAMING MATERIAL SHALL BE STORED IN A PROTECTED DRY AREA OFF OF THE GROUND AND GROUND FLOOR SURFACES. STORE MATERIAL OUT OF DIRECT SUNLIGHT TO PREVENT DIFFERENTIAL DRYING AND WARPING.
2. TIMBER FRAMING SCREWS SHALL BE MANUFACTURED BY FASTENMASTER, (413) 789-0232. TIMBER FRAMING SCREWS INCLUDE THE FOLLOWING TYPES AS INDICATED ON DRAWINGS:
TIMBERLOK
HEADLOK
TRUSSLOK
INSTALL ALL FASTENMASTER FASTENERS IN PRE-DRILLED HOLES, USING 1/8" PILOT BIT, AS AN ALTERNATE, PROPERLY COATED GRK RUGGED STRUCTURAL SCREWS, PROPERLY COATED, MAY BE USED.
3. JOIST HANGERS SHALL BE MANUFACTURED BY SIMPSON STRONG-TIE, INC. ALL HANGERS SHALL BE ZINC PROTECTED, ATTACHED WITH ZINC 10X4 X 1 1/2" HANGER NAILS. INSTALL IN PRE-DRILLED HOLES AS REQUIRED OR DIRECTED BY ENGINEER.



1 PORCH ROOF FRAMING PLAN
SCALE 3/8" = 1'-0"

STRUCTURAL DESIGN CRITERIA

1. MAKE UNIFORM BUILDING AND DESIGN CODE, 2008 EDITION, INCLUDING CONSERVATION OF ASCE 7-05, MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES.
FLOOR LIVE LOADS: 100 psf STRENGTHENED REBILT FLOOR AREAS
WIND LOAD: PER IRC SECTION 1609 AND ASCE 7-02 CHAPTER 6
BASIC WIND SPEED (S REF. GUST) 100 mph
IMPORTANCE FACTOR I_w 1.10
EXPOSURE CATEGORY C
BUILDING CLASSIFICATION II
VELOCITY PRESSURE COEF. K_z 0.70
TOPOGRAPHIC PRESSURE COEF. K_{zt} 1.00
DIRECTIONAL FACTOR K_d 0.85
VELOCITY PRESSURE V_w 25.32 psf
OC PRESSURE q_w 39 psf
SNOW LOAD: PER ASCE 7-05, CHAPTER 7:
GROUND SNOW LOAD P_g 80 PSF (FIGURE 7-1)
EXPOSURE FACTOR C_e 1.0 (TABLE 7-2)
THERMAL FACTOR C_t 1.2 (UNHEATED, TABLE 7-3)
IMPORTANCE FACTOR I_s 1.0 (CATEGORY II, TABLE 7-4)
FLAT ROOF SNOW LOAD S_f 10 PSF
DRIFTED SNOW LOADS AND DRIFT PER SECTION 7.6 OF ASCE 7-05

STRUCTURAL DESIGN CRITERIA (CONTINUED)

- | | |
|--|--------------|
| SEISMIC LOAD: IRC SECTION 1613.0, EARTHQUAKE DATA PER SECTION 1613.3 | II |
| SEISMIC USE GROUP | 1.1 |
| OCCUPANCY IMPORTANCE FACTOR I _e | 1.0 |
| SHORT PERIOD ACCELERATION S _s | 0.20g |
| 1.0 SECOND ACCELERATION S ₁ | 0.10g |
| SITE CLASSIFICATION SOIL TYPE | D |
| MAXIMUM CONSIDERED EQ ACCEL. PARAMETER a _s | 1.33 |
| MAXIMUM CONSIDERED EQ ACCEL. PARAMETER a _v | 2.40 |
| SHORT PERIOD ACCELERATION (ASCE 41.2.4-1.5m) | 0.48g |
| 1.0 SECOND ACCELERATION (ASCE 41.2.4-2.5m) | 0.20g |
| SHORT PERIOD DESIGN SPECTRAL RESPONSE AC. | 0.32g, SDC B |
| 1.0 SECOND DESIGN SPECTRAL RESPONSE AC. | 0.12g, SDC B |

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Date: 11/13/13
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FRAMING PLAN

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