

## NOTES:

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

CONCRETE NOTES:

2. ALL CONCRETE EXCEPT INTERIOR AND EXTERIOR SLABS ON GROUND SHALL BE 3000 PSI AT 28 DAYS AND A MAXIMUM SLUMP OF 4". ALL INTERIOR AND EXTERIOR SLABS ON GROUND SHALL BE 4000 PSI AT 28 DAYS AND A MAXIMUM SLUMP OF 4". MAXIMUM SIZE AGGREGATE SHALL BE  $\frac{3}{4}$ " (WALL/FOOTINGS) AND  $\frac{3}{4}$ " (SLABS ON GROUND). ALL CONCRETE WORK SHALL CONFORM TO ACI-318. CONCRETE TO REMAIN EXPOSED TO WEATHER SHALL NO AIR ENTRAINMENT IN INTERIOR CONCRETE SLABS. BE AIR ENTRAINED.

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. CONCRETE SHALL NOT BE PLACED IN WATER OR ON FROZEN GROUND.

SPLICES OF REINFORCING BARS SHALL BE IN ACCORDANCE WITH ACI-318. ANCHOR RODS SHALL CONFORM TO ASTM F1554-36.

HOOKS NOT DIMENSIONED SHALL BE ACI STANDARD HOOKS.

9. CONCRETE COVER OVER REINFORCEMENT SHALL BE AS FOLLOWS:
CONCRETE CAST AGAINST EARTH
CONCRETE EXPOSED TO EARTH OR WEATHER
CONCRETE NOT EXPOSED TO EARTH OR WEATHER

10. PROVIDE CONTROL JOINTS IN STRUCTURAL SLAB AT 12-0" ON CENTER MAX.

DESIGN NOTES:

THIS BUILDING IS DESIGNED TO COMPLY INTERNATIONAL RESIDENTIAL CODE. TH THE 2009 EDITION OF THE

DS IN ACCORDANCE WITH ASCE 7/05

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WIND LOADS:

a. BASIC WIND SPEED V = 95 MPH
b. WIND LOAD IMPORTANCE FACTOR I = 1.0
c. WIND INTERNAL PRESSURE COEFFICIENT GCPI =
d. Wind Exposure = B

OOF DEAD LOAD a. TOP CHORD = 10.0 PSF b. BOTTOM CHORD = 15.0 PSF c. HVAC UNIT(S) = TO BE DETERMINED

30.0 PSF AT SLEEPING 40.0 PSF \REAS

6. EARTHQUAKE LOAD:
a. DESIGN OF EARTHQUAKE LOAD IN ACCORDANCE WITH ASCE 7/05
b. SEISMIC IMPORTANCE FACTOR I = 1.0
c. 0.2s MAPPED SPECTRAL RESPONSE ACCELERATION Ss = per code
d. 1.0s MAPPED SPECTRAL RESPONSE ACCELERATION SI = per code
e. SITE CLASS = CLASS D.
f. SPECTRAL RESPONSE COEFFICIENT SDS = per code
g. SPECTRAL RESPONSE COEFFICIENT SDI = per code
h. SEISMIC DESIGN CATEGORY = CATEGORY B
i. BASIC SEISMIC FORCE RESISTING SYSTEM: BEARING WALL SYSTEM =
LIGHT FRAMED WALL SYSTEMS SHEATHED WITH WOOD STRUCTURAL
PANELS RATED FOR SHEAR RESISTANCE
j. RESPONSE MODIFICATION FACTOR R = 6
k. DEFLECTION AMPLIFICATION FACTOR CD = 4
1. ANALYSIS PROCEDURE = EQUIVALENT LATERAL FORCE PROCEDURE

DEFLECTION CRITERIA
a. ROOF (LIVE) = L/360
b. ROOF (TOTAL) = L/240

ISSUED FOR PERMIT 10/19/17

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