

GENERAL NOTES

- 1. THE FOLLOWING SPECIFICATIONS ARE AN OUTLINE OF MINIMUM MATERIAL REQUIREMENTS AND THEIR APPLICATION...
2. AT CONSTRUCTION ISSUE, THESE DRAWINGS REPRESENT STRUCTURAL COMPONENTS IN THEIR FINAL AND FINISHED STATE...

CONCRETE NOTES AND SPECIFICATIONS:

- 1. ALL CONCRETE WORK SHALL CONFORM TO THE "A.C.I. BUILDING CODE", ACI 318 AND ACI 301, LATEST EDITION.
2. DETAILING, FABRICATION AND PLACING OF REINFORCING STEEL SHALL BE IN ACCORDANCE WITH ACI 318-RQ, "ACI DETAILING MANUAL - 1997"

Table with 4 columns: STRUCTURAL ELEMENT, MINIMUM COVER (INCHES), CONCRETE STRENGTH (PSI), W/C RATIO. Rows include FOOTINGS, GRADE BEAMS, SLAB ON GRADE, RETAINING WALLS, etc.

- 7. FLYASH MAY BE USED TO REPLACE A PORTION OF THE PORTLAND CEMENT. THE RATIO OF FLYASH TO THE TAO OF THE FLYASH AND CEMENT IN A MIX SHALL NOT EXCEED 20%.
14. PROVIDE 7 DAY CURING OF SLAB IMMEDIATELY AFTER FINISHING USING ONE OF THE FOLLOWING METHODS...

Table with 2 columns: Item, Percentage. Rows include WALLS, COLUMNS & BEAM SIDES, JOIST PANS & BEAM BOTTOMS (IF RESHORED), SHORING FOR FLOOR SYSTEMS (IF NOT RESHORED), etc.

- 18. AN INDEPENDENT CERTIFIED TESTING LABORATORY SHALL VERIFY AND PROVIDE REPORTS CERTIFYING THE FOLLOWING:
A. CONCRETE PLANT BATCH TICKETS FOR EACH TRUCK VERIFY THAT THE CONCRETE MATCHES THE APPROVED DESIGN MIX.

STRUCTURAL STEEL FRAMING NOTES:

- 1. ALL SHOP DRAWINGS SHALL BE REVIEWED BY THE STRUCTURAL ENGINEER. DRAWINGS TO HAVE CONTRACTORS STAMP AFFIXED PRIOR TO REVIEW.
2. ALL WELDING SHALL CONFORM TO THE AMERICAN WELDING SOCIETY CODE.

FOUNDATION NOTES:

- 1. FOOTINGS SHALL BEAR ON SOIL SUITABLE FOR SUPPORTING 2000 P.S.F. NET ALLOWABLE BEARING. IF QUESTIONABLE SOIL IS ENCOUNTERED, THE STRUCTURAL ENGINEER SHALL BE NOTIFIED IMMEDIATELY.
2. EXCAVATION FOR FOOTINGS SHALL BE NEAT.

WOOD FRAMING SPECIFICATIONS:

- 1. WOOD FRAMING SIZES, VERTICAL FRAMING, HORIZONTAL FRAMING, FIRESTOPS, ANCHORAGE, FURRING AND CONNECTORS NOT SHOWN ON DOCUMENTS SHALL BE PER LOCAL BUILDING CODE MINIMUM REQUIREMENTS.
2. A) WOOD STRUCTURAL PANEL ROOF SHEATHING SHALL BE 15/32" THICK STANDARD C.D. EXPOSURE 1, PANEL INDEX 32116 CONFORMING TO U.S. PS-1

WOOD TRUSS SPECIFICATIONS:

- 1.1 SCOPE:
A. TRUSS DOCUMENTS TO INCLUDE
1) SEALED LAYOUTS, SEALED PROFILES & CALCULATIONS & TRUSS BLOTTING REQUIREMENTS.
2) PROCEDURES FOR INSTALLING, SECURING, BRACING, ETC., OF ALL TRUSSES.
1.2 SHOP DRAWINGS:
A. INCLUDE THE FOLLOWING ON SUBMITTED SHOP DRAWINGS

- 2.1 METAL GUSSET PLATES:
A. PLATE DESIGN AND MANUFACTURE SHALL BE AS APPROVED BY "THE RESEARCH COMMITTEE FOR THE ICBO". PLATES SHALL BE GALVANIZED OR OTHERWISE PROTECTED FROM CORROSION.
B. MANUFACTURER'S NAME OR TRADEMARK SHALL BE VISIBLE ON PLATES.

GENERAL NOTES

DESIGN CRITERIA

- CODE: INTERNATIONAL BUILDING CODE, 2015 ed.
LOAD COMBINATIONS FOR ALLOWABLE STRESS DESIGN (IBC 2015, 2.4.1 Basic Combinations)
2. D+L
3. D+(Lr or S or R)
4. D + 0.75L + 0.75(Lr or S or R)
5. D + (0.6W or 0.7E)
6a. D + 0.75L + 0.75(0.6W) + 0.75(Lr or S or R)
6b. D + 0.75L + 0.75(0.7W) + 0.75S
7. 0.6D + 0.6W
8. 0.6D + 0.7E

DESIGN LOADS:

Table with 2 columns: Load Name, Value. Rows include ROOF DEAD LOAD (22 PSF), FLOOR DEAD LOAD (40 PSF), ROOF LIVE LOAD (20 PSF), FRAMED FLOOR LIVE LOAD (40 PSF IN ROOMS), STAIR LIVE LOAD (100 PSF), RAIN LOAD - PONDING (30 PSF).

SNOW LOADS

Table with 2 columns: Load Name, Value. Rows include EXPOSURE CATEGORY (C), GROUND SNOW LOAD (P\_g) (1.0 PSF), SLOPE FACTOR (C\_s) (1.0), IMPORTANCE FACTOR (I) (1.0), TEMPERATURE FACTOR (C\_t) (1.0).

WIND LOADS

Table with 2 columns: Load Name, Value. Rows include DESIGN WIND VELOCITY (115 MPH), EXPOSURE CATEGORY (C), RISK CATEGORY (II), INTERNAL PRESSURE COEFFICIENT (+/- 0.18), ROOF C&C DESIGN PRESSURE (+/- 41.23 psf).

SEISMIC DESIGN CRITERIA:

Table with 2 columns: Load Name, Value. Rows include RISK CATEGORY (IBC 2016-TBL 1604.5) (II), SPECTRAL RESPONSE COEF S\_DS (0.344), SPECTRAL RESPONSE COEF S\_D1 (0.196), SITE CLASS (C (FROM GEOTECH REPORT)), SEISMIC DESIGN CATEGORY (C), BASIC SEISMIC RESISTING SYSTEM (STEEL SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE EXCLUDING CATILEVER COLUMN SYSTEMS), DESIGN BASE SHEAR (106.8 KIPS), ANALYSIS PROCEDURE (EQUIVALENT LATERAL FORCE PROCEDURE).

SOIL CONDITIONS

Table with 2 columns: Load Name, Value. Rows include GEOTECHNICAL INVESTIGATION - HOLIDAY INN & CONVERENCE CENTER, CRACKER BARREL DRIVE, CLARKSVILLE, TN ESE PROJECT No: 88078, EARTH SCIENCE ENG. LLC, 201 W. DUNBAR CAVE RD, CLARKSVILLE, TN 37040, DESIGN MAXIMUM BEARING PRESSURES (SPREAD FOOTINGS: 2,500 psf, CONTINUOUS FOOTINGS: 2,100 psf, FROST PROTECTION DEPTH: 24 inches).

IMPORTANT NOTES:

ROOF RAIN LOADS ARE CALCULATED IN ACCORDANCE WITH IBC 2015 SECTION 1611.1. DESIGN RAIN LOAD NOTED ABOVE.

REINFORCING SPLICE SCHEDULE table with columns for CLASS A and CLASS B REINFORCING SPLICES, including rebar size and concrete strength.

NOTE:

LAP SPLICES OF DEFORMED BARS IN TENSION SHALL BE CLASS B SPLICES EXCEPT THAT CLASS A SPLICES MAY BE USED WHEN: A. THE AREA OF REINFORCEMENT PROVIDED IS AT LEAST TWICE THAT REQUIRED BY DESIGN OVER THE ENTIRE LENGTH OF THE SPLICE, AND ONE HALF OR LESS OF THE TOTAL REINFORCEMENT IS SPLICED WITHIN THE REQUIRED LAP LENGTH.

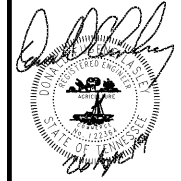
REINFORCING SPLICE SCHEDULE 12" = 1'-0"

THESE DRAWINGS ARE PRELIMINARY IN NATURE AND INTENDED FOR REVIEW AND PERMITTING. DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION WITHOUT ARCHITECTS AND ENGINEER'S SIGNATURE AND THEIR DATE OF ISSUE FOR CONSTRUCTION.

LASLEY ENGINEERING, P.C.

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DONALD E. LASLEY PE #122364



4/26/2019 8:33:54 AM NOT VALID FOR CONSTRUCTION UNLESS SIGNED IN THIS BLOCK

PROPOSED HOLIDAY INN LI 9383 215 CRACKER BARREL DR., CLARKSVILLE MONTGOMERY COUNTY, TENNESSEE PERMIT NO: - - - -

Table with 3 columns: No., Description, Date. Contains a grid for recording changes.

SHEET S000 STRUCTURAL NARRATIVE