

ABBREVIATIONS

Table listing abbreviations and their corresponding full names, such as AB ANCHOR BOLT, ACI AMERICAN CONCRETE INSTITUTE, etc.

DESIGN DATA

1. BUILDING CODE

Table with 2 columns: Building Code, Value. Includes A. BUILDING CODE (2015 IBC), B. LIVE LOADS (20 PSF), C. ROOF SNOW LOADS (1.0 to 4.6 PSF).

3. LATERAL LOADS

A. WIND LOADS

Table with 2 columns: Wind Load Description, Value. Includes 1. BASIC WIND SPEED (120 MPH), 2. RISK CATEGORY (III), 3. WIND EXPOSURE CATEGORY (B), etc.

B. COMPONENTS AND CLADDING DESIGN WIND PRESSURES (SERVICE)

(LOADS ALREADY INCLUDE 0.6 LOAD COMBINATION FACTOR IN ASCE 7-10, SECTION 2.4.1)

Table with 2 columns: Wind Pressure Description, Value. Includes 1. EXTERIOR WALLS (13.3 PSF), 2. ROOF UPLIFT (-18.2 PSF), etc.

C. SEISMIC LOADS (SERVICE)

Table with 2 columns: Seismic Load Description, Value. Includes 1. MAPPED SPECTRAL RESPONSE ACCELERATION (0.95g), 2. MAPPED SPECTRAL RESPONSE ACCELERATION (5.2% g), etc.

WOOD FRAMING:

- 1. ALL DIMENSIONAL LUMBER SHALL HAVE THE MINIMUM PROPERTIES OF SOUTHERN PINE #2 OR DOUGLASS FIR SOUTH #1... 2. GLUE LAMINATED WOOD SHALL MEET THE AITC SPECIFICATION FOR [24F-V4 SP/SP]... 3. ALL DIMENSION LUMBER SHALL BE GRADE STAMPED PER W.C.L.B. RULES...

GENERAL:

- 1. ROOF LIVE LOADS HAVE BEEN REDUCED BASED ON TRIBUTARY AREAS IN ACCORDANCE WITH CODE PROVISIONS. 2. DEAD LOADS HAVE BEEN CALCULATED TO INCLUDE THE ACTUAL WEIGHT OF ALL WORK SHOWN ON THE STRUCTURAL, MECHANICAL, ELECTRICAL AND ARCHITECTURAL DRAWINGS... 3. CONTRACT DOCUMENTS: THE GENERAL CONTRACTOR SHALL OBTAIN ALL CONTRACT DOCUMENTS AND LATEST ADDENDA AND SUBMIT SUCH DOCUMENTS TO ALL SUBCONTRACTORS AND MATERIAL SUPPLIERS PRIOR TO THE SUBMITTAL OF SHOP DRAWINGS...

EARTHWORK AND FOUNDATIONS:

- 1. EXTERIOR FOOTINGS SHALL BEAR AT OR BELOW MINIMUM BEARING DEPTH. MINIMUM BEARING DEPTH IS 12 INCHES BELOW ADJACENT FINISHED GRADE OR FROST DEPTH OF 12 INCHES BELOW ADJACENT FINISHED GRADE, WHICHEVER IS GREATER. 2. STANDARD PROCEDURES OF FROST PROTECTION FOR FOUNDATIONS AND EXCAVATIONS SHALL BE EMPLOYED FOR WINTER CONSTRUCTION...

CAST-IN PLACE REINFORCED CONCRETE:

- 1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE MOST RECENT EDITION OF A.C.I. 318 "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE". 2. MIXES SHALL BE DESIGNED TO PROVIDE CONCRETE WITH A 28 DAY COMPRESSIVE STRENGTH AS NOTED BELOW (NO CALCIUM CHLORIDE SHALL BE PERMITTED). 3. PORTLAND CEMENT SHALL BE A SINGLE BRAND CONFORMING TO ASTM C-150, E 1/II. 4. NORMAL WEIGHT (150 PCF CONCRETE) AGGREGATES SHALL CONFORM TO ASTM C-33 AND SHALL BE FROM A SINGLE SOURCE FOR EXPOSED CONCRETE...

LAP SPLICE SCHEDULE table with columns: BAR SIZE, LAP, BAR SIZE, LAP. Includes rows for 3, 4, 5, 6 bar sizes and their corresponding lap lengths.

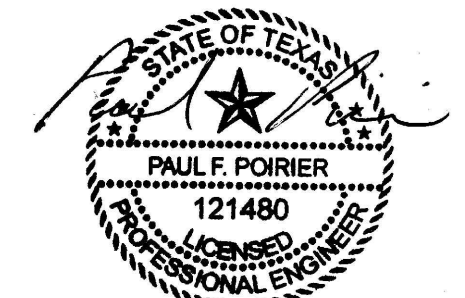
- 20. PROVIDE 90° STANDARD HOOKS WHERE SHOWN IN DETAILS, MINIMUM LENGTH SHALL BE 12db, WHERE db IS DIAMETER OF BAR. 21. SAMPLES FOR STRENGTH TESTS OF EACH CLASS OF CONCRETE SHALL BE TAKEN NOT LESS THAN THE FOLLOWING: a) ONCE PER DAY b) ONCE PER EVERY 150 CUBIC YARDS c) ONCE PER EVERY 5000 SQUARE FEET OF SURFACE AREA FOR SLABS OR WALLS

POST-INSTALLED ANCHORS:

- 1. POST-INSTALLED ANCHORS SHALL ONLY BE USED WHERE SPECIFIED ON THE DRAWINGS. CONTRACTOR SHALL OBTAIN APPROVAL FROM ENGINEER OF RECORD PRIOR TO USING POST-INSTALLED ANCHORS FOR MISSING OR MISPLACED CAST-IN-PLACE ANCHORS. A. EXCEPT WHERE INDICATED ON THE DRAWINGS, POST-INSTALLED ANCHORS SHALL CONSIST OF THE FOLLOWING ANCHORS AS PROVIDED BY HILTI, INC. CONTACT HILTI AT (800) 879-8000 FOR PRODUCT RELATED QUESTIONS. I. ANCHORAGE TO CONCRETE A. ADHESIVE ANCHORS FOR CONCRETE USE: 1. HILTI HIT-RE 500-SD EPOXY ADHESIVE ANCHORING SYSTEM PER ICC ESR-2322 FOR SLOW CURE APPLICATIONS...

PREFABRICATED WOOD TRUSSES:

- 1. PREFABRICATED WOOD TRUSS OUTLINES ARE SHOWN. REFER TO ARCHITECTURAL DRAWINGS FOR ROOF SLOPES AND CONTROLLING ELEVATIONS. 2. ALL TRUSSES SHALL HAVE TRIANGULATED PANELS. 3. ALL CONCENTRATED LOADS, INCLUDING REACTIONS, SHOULD OCCUR AT PANEL POINTS. 4. THE MINIMUM TOP CHORD MEMBER SIZE SHALL BE 2X6 FRAMING AND MINIMUM BOTTOM CHORD SHALL BE 2x4 FRAMING. FINAL DESIGN SHALL BE PER THE TRUSS MANUFACTURER. THE TRUSS MANUFACTURER SHALL PROVIDE ALL CONNECTIONS TO THE STRUCTURE, UNLESS NOTED OTHERWISE. ALL WOOD TO WOOD CONNECTORS SHALL BE BY SIMPSON STRONG-TIE CO. UNLESS NOTED OTHERWISE. 5. THE TRUSS MANUFACTURER SHALL SUBMIT BRACING LAYOUT FOR APPROVAL ALONG WITH TRUSS DESIGN. BRACING DESIGN SHALL BE BY SUPPLIER. 6. THE DESIGN AND FABRICATION OF ALL WOOD TRUSSES SHALL MEET THE FOLLOWING: "NATIONAL DESIGN SPECIFICATIONS FOR STRESS GRADE LUMBER AND IT'S FASTENINGS", BY NATIONAL FOREST PRODUCTS ASSOCIATION'S LATEST REVISIONS. "TIMBER CONSTRUCTION STANDARDS", BY AMERICAN INSTITUTE OF TIMBER CONSTRUCTION, LATEST REVISIONS. "DESIGN SPECIFICATIONS FOR LIGHT METAL PLATE CONNECTED WOOD TRUSSES", BY TRUSS PLATE INSTITUTE, LATEST REVISIONS. 7. THE WOOD TRUSSES SHALL BE CUSTOM DESIGNED TO FIT THE DIMENSIONS AND LOADS INDICATED ON THE PLANS. ALL DESIGNS SHALL BE IN ACCORDANCE WITH THE ALLOWABLE VALUES PER THE BUILDING CODE. COMPLETE DESIGN CALCULATIONS SHOWING INTERNAL LAYOUT, MEMBER FORCES AND CONNECTIONS ARE TO BE AVAILABLE UPON REQUEST FOR EACH TRUSS DESIGN. THE DESIGN OF THE TRUSSES REQUIRED TO BE UNDER THE SUPERVISION OF A REGISTERED ENGINEER AND SHALL BE SEALED BY SAID ENGINEER. 8. SHOP DRAWINGS SHALL BE FURNISHED BY THE MANUFACTURER SHOWING ALL CRITICAL DIMENSIONS FOR DETERMINING FIT AND PLACEMENT IN THE BUILDING AS WELL AS THE LOADS THE TRUSSES ARE DESIGNED TO SUPPORT. THESE DRAWINGS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR APPROVAL PRIOR TO FABRICATION. 9. THE TRUSSES, IF STORED PRIOR TO ERECTION, SHALL BE STORED IN A VERTICAL POSITION AND PROTECTED FROM THE WEATHER. THEY SHALL BE HANDLED WITH CARE SO THEY ARE NOT DAMAGED. 10. THE TRUSSES ARE TO BE ERECTED AND INSTALLED IN ACCORDANCE WITH THE PLANS, THE APPROVED TRUSS DRAWINGS AND INSTALLATION SUGGESTIONS. TEMPORARY CONSTRUCTION LOADS WHICH CAUSE MEMBER STRESSES BEYOND DESIGN LIMITS ARE NOT PERMITTED. ERECTION BRACING IN ADDITION TO SPECIFIED BRIDGING IS TO BE PROVIDED TO KEEP THE TRUSS STRAIGHT AND PLUMB AS REQUIRED TO ASSURE ADEQUATE LATERAL SUPPORT FOR THE INDIVIDUAL TRUSS AND THE ENTIRE SYSTEM UNTIL THE SHEATHING MATERIAL HAS BEEN APPLIED. 11. THE CONTRACTOR SHALL GIVE NOTIFICATION PRIOR TO ENCLOSING THE TRUSSES TO PROVIDE OPPORTUNITY FOR OBSERVATION OF INSTALLATION.



09-29-2021

NEW PROJECT FOR: DALLAS CITY TEMPLE

DALLAS, TEXAS 1630 BONNIE VIEW RD.

DRAWING ISSUES:

JOB NO: 20007

GENERAL NOTES

S0.0

JFTE James F. Turner Engineers, L.P. Consulting Engineers 1044 Meadows Road Suite 160 Dallas, TX 75231 Tel: 214-762-2900 Fax: 214-762-3959 Job Number: 84195