

GENERAL

- 1. NO PROVISION OF ANY REFERENCED STANDARD SPECIFICATION, MANUAL OR CODE (WHETHER OR NOT SPECIFICALLY INCORPORATED BY REFERENCE IN THE CONTRACT DOCUMENTS) SHALL BE EFFECTIVE TO CHANGE THE DUTIES AND RESPONSIBILITIES OF OWNER, CONTRACTOR, DESIGN PROFESSIONAL, SUPPLIER, OR ANY OF THEIR CONSULTANTS, AGENTS, OR EMPLOYEES FROM THOSE SET FORTH IN THE CONTRACT DOCUMENTS...

CODE/DESIGN CRITERIA

- 1. STRUCTURE IS DESIGNED IN ACCORDANCE WITH THE FOLLOWING:
INTERNATIONAL BUILDING CODE, 2012 EDITION, WITH GEORGIA AMENDMENTS
2. GRAVITY LOADS
2.1 UNIFORM FLOOR LIVE LOADS (REDUCED AS ALLOWED BY THE BUILDING CODE):
FLOOR AREAS 100 PSF
STAGE AREAS 150 PSF
STEEL/WOOD RAMP 100 PSF

- RESTROOM BUILDING
BASIC SEISMIC-FORCE RESISTING SYSTEM (LONGITUDINAL AND TRANSVERSE): ORDINARY MASONRY SHEAR WALLS
DESIGN BASE SHEAR: V=7.9 KIP
SEISMIC RESPONSE COEFFICIENT, CS = 0.106
RESPONSE MODIFICATION FACTOR, R = 2

- STAGE BUILDING
BASIC SEISMIC-FORCE RESISTING SYSTEM (LONGITUDINAL AND TRANSVERSE): CANTILEVERED COLUMN SYSTEMS DETAILED TO CONFORM TO THE REQUIREMENTS FOR TIMBER FRAMES
DESIGN BASE SHEAR: V=0.9 KIP
SEISMIC RESPONSE COEFFICIENT, CS = 0.141
RESPONSE MODIFICATION FACTOR, R = 1.5

5. UNLESS NOTED OTHERWISE CALCULATED INDIVIDUAL MEMBER DEFLECTIONS (IN INCHES) DO NOT EXCEED THE FOLLOWING:

Table with 3 columns: MEMBER TYPE, DEAD LOAD, LIVE LOAD, DEAD + LIVE LOAD. Rows include ROOF MEMBERS, FLOOR MEMBERS, and a note about span length.

- 6. SPECIAL INSPECTIONS:
6.1 THE STRUCTURAL TESTING/INSPECTION AGENCY, WILL PERFORM SPECIAL INSPECTIONS AS REQUIRED BY CHAPTER 17 OF THE BUILDING CODE...
6.2 SPECIAL INSPECTION AS REQUIRED BY CHAPTER 17 OF THE BUILDING CODE ARE REQUIRED FOR STRUCTURAL COMPONENTS AND ASSEMBLIES WHICH ARE NOT FABRICATED AT THE CONSTRUCTION JOB SITE...
6.3 SPECIAL INSPECTION AS REQUIRED BY CHAPTER 17 OF THE BUILDING CODE MAY BE WAIVED FOR ITEMS WHICH ARE PRODUCED ON THE PREMISES OF A FABRICATOR REGISTERED AND APPROVED TO PERFORM SUCH WORK WITHOUT SPECIAL INSPECTION...

FOUNDATION

- 1. ALL FOUNDATIONS SHALL BE INSTALLED UNDER THE GUIDANCE OF A REGISTERED PROFESSIONAL GEOTECHNICAL ENGINEER IN THE PROJECT STATE...
2. STRUCTURAL TESTING/INSPECTION AGENCY SHALL CERTIFY THE BEARING MEDIUM.
3. INDIVIDUAL SPREAD FOOTINGS AND CONTINUOUS FOOTING SHALL BEAR ON SOIL CAPABLE OF SUPPORTING 2,000 PSF AND RETAINING WALL FOOTINGS SHALL BEAR ON SOIL CAPABLE OF SUPPORTING 2,500 PSF...
4. PROOF ROLL BUILDING AREAS WITH TWO COMPLETE COVERAGES OF A LOADED DUMP TRUCK SCRAPER, REPLACE SOFT AREAS WITH COMPACTED STRUCTURAL FILL AS REQUIRED BY THE SPECIFICATIONS.

Table with 2 columns: SOIL TYPE, EQUIVALENT SOIL PRESSURE. Rows include ACTIVE, AT-RREST, PASSIVE, SOIL UNIT WEIGHT, COEFFICIENT OF FRICTION, INTERNAL ANGLE OF FRICTION, SURCHARGE.

13. THE GWINNETT COUNTY APPROVED THIRD PARTY GEOTECHNICAL TESTING FIRM SHALL BE UNITED CONSULTING. THE THIRD PARTY GEOTECHNICAL TESTING FIRM SHALL BE RESPONSIBLE FOR PERFORMING THE SUBSURFACE SOILS INVESTIGATION AND VERIFYING THE SOIL DESIGN PARAMETERS SPECIFIED.

REINFORCEMENT

- 1. REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60, UNLESS NOTED OTHERWISE.
2. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185 AND HAVE MINIMUM SIDE AND END LAPS OF 8".
3. SUBMIT SHOP DRAWINGS WHICH ADEQUATELY DEPICT THE REINFORCING BAR SIZES AND PLACEMENT. WRITTEN DESCRIPTION OF REINFORCEMENT WITHOUT ADEQUATE SECTIONS, ELEVATIONS, AND DETAILS IS NOT ACCEPTABLE.
4. SPLICES SHALL BE CLASS B IN ACCORDANCE WITH ACI 318, UNLESS NOTED OTHERWISE. REINFORCEMENT SHALL BE SPLICED ONLY AT LOCATIONS SHOWN OR NOTED IN THE STRUCTURAL DOCUMENTS...

CAST-IN-PLACE CONCRETE

- 1. CONCRETE WORK SHALL CONFORM TO ACI 318-11 AND CRSI STANDARDS.
2. CONCRETE SHALL HAVE THE FOLLOWING MINIMUM SPECIFIED 28-DAY COMPRESSIVE STRENGTH:
2.1 NORMAL WEIGHT STRUCTURAL CONCRETE:
FOOTINGS 3000 PSI
SLABS ON-GRADE 4000 PSI
WALLS 4000 PSI
3. PIPES OR DUCTS SHALL NOT EXCEED ONE-THIRD THE SLAB OR WALL THICKNESS INCLUDING CROSSING UNLESS SPECIFICALLY DETAILED IN THE STRUCTURAL DOCUMENTS...

WOOD

- 1. WOOD FRAMING SHALL BE SOUTHERN PINE, NO. 2 K.D. (15% MAX. MOISTURE CONTENT) OR EQUIVALENT. MINIMUM ALLOWABLE BENDING STRESS SHALL BE AS FOLLOWS:
2x4 1,300 PSI
2x6 1,050 PSI
2. WOOD TRUSSES SHALL BE CAPABLE OF SUPPORTING THE SUPERIMPOSED LOADS AS GIVEN IN THE CONTRACT DOCUMENTS.
3. DESIGN OF WOOD TRUSSES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. SUBMIT SHOP DRAWINGS, DESIGN LOAD DATA, AND SUPPORT REACTIONS SEALED BY AN ENGINEER LICENSED IN THE PROJECT STATE...

- 4. ERECTION AND TEMPORARY BRACING OF PREFABRICATED WOOD TRUSSES SHALL BE IN CONFORMANCE WITH THE RECOMMENDATIONS OF THE TRUSS MANUFACTURER AND THE TRUSS PLATE INSTITUTE'S "BRACING WOOD TRUSSES: COMMENTARY AND RECOMMENDATIONS".
5. CONNECTIONS FOR STRUCTURAL TIMBER SHALL BE GALVANIZED STRONG-TIE CONNECTORS BY THE SIMPSON COMPANY OR APPROVED EQUAL.
6. WOOD IN CONTACT WITH CONCRETE OR MASONRY SHALL BE FOUNDATION GRADE PRESSURE-TREATED SOUTHERN PINE. USE GALVANIZED NAILS IN PRESSURE-TREATED WOOD.
7. PLYWOOD DIAPHRAGMS SHALL BE EITHER STRUCTURAL I OR II SOUTHERN PINE PLYWOOD WITH THICKNESS AS NOTED IN THE STRUCTURAL DOCUMENTS. PLYWOOD SHALL CONFORM TO THE REQUIREMENTS OF THE BUILDING CODE.

- 11. SAWN LUMBER SHALL BE PROVIDED IN ACCORDANCE WITH THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION, 1991 EDITION, BY THE AMERICAN FOREST AND PAPER ASSOCIATION.
11.1 PROVIDE DOUBLE TOP PLATE LAPPED AT CORNERS AND AT SPLICES (4' SPLICE), SUPPORT ENDS OF LAPS DIRECTLY OVER A VERTICAL LOAD BEARING STUD.
11.2 PROVIDE FULL HEIGHT TRIPLE STUDS AT CORNERS. PROVIDE FULL HEIGHT DOUBLE STUDS AT EACH SIDE OF OPENINGS LESS THAN 6' WIDE PLUS ON TRIMMER STUD.
11.3 HOLES IN JOISTS, RAFTERS, STUDS AND PLATES NOT EXCEEDING 1/5 THE DEPTH/WIDTH OF THE MEMBER AND NOT CLOSER THAN 3 TIMES THE DEPTH/WIDTH OF THE MEMBER FROM THE END ARE PERMITTED AT THE MID-DEPTH/WIDTH OF THE MEMBER ONLY.
11.4 BRIDGING, FULL DEPTH SOLID BLOCKING, OR CROSS BRACING SHALL BE INSTALLED AT INTERVALS NOT EXCEEDING 8 FT OC WHEN THE DEPTH TO BREADTH RATIO OF SAWN JOISTS AND RAFTERS EXCEEDS 6 TO 1.
12. PLYWOOD SHALL BE PROVIDED IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE AMERICAN PLYWOOD ASSOCIATION (APA). THE MINIMUM THICKNESSES WHICH FOLLOW SHALL BE INCREASED AS REQUIRED TO SATISFY ARCHITECTURAL REQUIREMENTS.

LORD AECK SARGENT

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GENERAL NOTES

SHEET TITLE: SCALE: AS SHOWN

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