



TIMBER NOTES:

- TIMBER SHALL CONFORM TO NATIONAL DESIGN SPECIFICATION FOR STRESS GRADE LUMBER AND ITS FASTENINGS, NATIONAL FOREST PRODUCTS ASSOCIATES LATEST EDITION.
- MATERIALS FOR FRAMING LUMBER SUBJECT TO BENDING STRESSES SUCH AS BEAMS, JOISTS, RAFTERS, HEADERS, AND OTHER HORIZONTAL MEMBERS SHALL BE SOUTHERN PINE NO. 2 KD (MC 15) OR DOUGLAS FIR-LARCH NO. 2 (MC 19) CONSTRUCTION MINIMUM, UNLESS A HIGHER GRADE IS SHOWN ON THE DRAWINGS.
- MATERIALS FOR STUD WALLS AND COLUMNS SHALL BE SOUTHERN PINE NO. 3, CONSTRUCTION, OR STUD GRADE TIMBER OR EQUIVALENT DOUGLAS FIR-LARCH UNLESS OTHERWISE SHOWN ON THE DRAWINGS. SEE NOTE ON FRAMING PLANS FOR EXTERIOR WALLS.
- MATERIALS MUST BE GRADE MARKED.
- STRUCTURAL WOOD LAMINATED TIMBERS SHALL MEET THE STRUCTURAL REQUIREMENTS AND LAMINATING SPECIFICATIONS OF AITC 117-84 "STANDARD SPECIFICATIONS FOR STRUCTURAL GLUED LAMINATED TIMBER AND SHALL BE OF SUCH STRESS GRADE TO SUPPORT ALL LOADS PER THE CLASSIFICATION SYMBOL 24F, UNLESS SHOWN OTHERWISE ON THE DRAWINGS.
- SIZE OF LAMINATED TIMBERS SHALL BE AN ACTUAL SIZE AS SHOWN ON THE DRAWINGS USING 1-1/2" INCH LAMINATIONS.
- STRUCTURAL WOOD LAMINATED "PARALLAM OR LVL" TIMBERS SHALL BE PARALLEL EQUAL PARALLAM TIMBERS AS MANUFACTURED BY WETTERHAUSER COMPANY OR AN APPROVED ALL "LVL" MATERIAL IS 1 3/4" WIDE.
 Fb = 2,900 PSI (MIN)
 E = 2,000,000 PSI
 Fv = 2,900 PSI
 Fv = 290 PSI
- ROOF DECKING SHALL BE 5/8" APA RATED SHEATHING INTERIOR WITH EXTERIOR GLUE. ALL JOIST NOTCHES SHALL FOLLOW GRAIN ACROSS SUPPORTS. NAIL DECK TO FRAMING WITH 16D NAILS @ 6" O.C. FOLLOWING:
 ROOF ZONE: FIRST 6" FROM GABLE - FIRST 4" FROM EDGE - OTHERS
 END & SHEAR WALLS
 PANEL EDGES 6" O.C.
 PANEL FIELD 6" O.C.
- EXTERIOR WALL SHEATHING SHALL BE APA RATED CD INTERIOR WITH EXTERIOR GLUE, THICKNESS AS SHOWN ON THE DRAWINGS. NAIL SHEATHING AT 6" O.C. ALONG PANEL EDGES AND 10" O.C. AT INTERMEDIATE SUPPORTS AND BLOCKING WITH 10D MINIMUM NAILS UNLESS SHOWN OTHERWISE ON THE DRAWINGS.
 SEE SHEAR WALL SCHEDULE FOR ADDITIONAL SHEATHING REQUIREMENTS.
- FLOOR DECK SHALL BE 3/4" T&G APA RATED SHEATHING WITH MINIMUM SPAN INDEX OF 48/24, NAIL DECK TO FRAMING MEMBERS WITH 10D NAILS AS FOLLOWS:
 FLOOR ZONE: FIRST 8" FROM SHEAR WALLS - OTHERS
 PANEL EDGES 6" O.C.
 PANEL FIELD 6" O.C.
- BRIDGING BETWEEN JOISTS AND RAFTERS SHALL BE PER JOIST SUPPLIER.
- BEAMS MADE UP OF MULTIPLE 2x PIECES SHALL NOT BE SPLICED EXCEPT OVER SUPPORTS. PIECES SHALL BE ATTACHED TOGETHER W/ 16D NAILS @ 6" O.C. STAGGERED TOP & BOTTOM.
- PROVIDE 2x6 STUDS AT 16" O.C. @ ALL INTERIOR PARTITION & CORRIDOR WALLS, AND ALL EXTERIOR WALLS.
- PROVIDE TRIPLE STUDS AT ALL CORNERS AND AT ALL BEAM BEARINGS THROUGH TO FOUNDATION UNLESS NOTED OTHERWISE.
- ANCHOR WOOD SILL (TREATED) TO CONCRETE WITH 5/8" DIA. x 10" LONG GALVANIZED, HOOKED ANCHOR BOLTS WITH WASHERS EMBEDDED 8" MINIMUM AT 32 INCHES MAX. O.C. AT CORNERS PROVIDE ONE ANCHOR BOLT AT 8 INCHES IN EACH DIRECTION FROM CORNER. SEE SHEAR WALL SCHEDULE FOR SPECIAL SIZE & SPACING OF ANCHOR BOLTS. 5/8"x12" SIMPSON TITEN @ 32" MAY BE USED AT EXTERIOR WALLS WITH DOUBLE SILL PLATES.
- PREFABRICATED TIMBER TRUSSES SHALL BE FABRICATED BY A CERTIFIED TIMBER TRUSS MANUFACTURER.
- TRUSSES SHALL BE FABRICATED WITH WOOD CHORDS AND WEBS IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. METAL PLATE CONNECTED WOOD TRUSSES, TRUSS PLATE INSTITUTE, LATEST EDITION.
- CONTRACTOR SHALL PROVIDE AND INSTALL ALL NECESSARY BRACING FOR TIMBER TRUSSES. BRACING SHALL BE IN ACCORDANCE WITH THE RECOMMENDATIONS FOR BRACING WOOD TRUSSES, PUBLICATION BMT-76 BY THE TRUSS PLATE INSTITUTE.
- TRUSS MANUFACTURER SHALL SUBMIT DRAWINGS FOR APPROVAL SHOWING ALL MEMBER FORCES, SIZES AND CONNECTORS. DRAWINGS SHALL BE SEALED BY A REGISTERED ENGINEER IN THE STATE WHERE THE PROJECT IS LOCATED.
- TYPICAL TRUSS LOADING IS SHOWN ON THE DRAWINGS. THE MANUFACTURER SHALL EXAMINE THE DRAWINGS FOR SPECIAL CONDITIONS AND/OR LOADS NOT SHOWN AND PROVIDE FOR SUCH IN THE DESIGN.
- AT BUILDING ENDS, SPECIAL GABLE END TRUSSES SHALL BE USED. TRUSSES SHALL BE DESIGNED AND FABRICATED WITH VERTICAL STUDS NO MORE THAN 18 INCHES ON CENTER. NARROW FACE OF STUD SHALL BE PARALLEL TO FACE OF EXTERIOR WALL.
- PLANS AND DETAILS FOR FRAMING ARE A SCHEMATIC REPRESENTATION OF THE CONTRACTOR'S INTENT. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS SHOWN AS A SUBSTITUTE FOR SHOP DRAWINGS AND AN ACCURATE QUANTITY TAKEOFF. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL FRAMING NECESSARY TO COMPLETELY FRAME THE PROJECT AND PROVIDE FOR ALL CONDITIONS SHOWN ON THE ARCHITECTURAL DRAWINGS.
- JOIST AND RAFTER HANGERS, TIES, HOLD DOWNS AND OTHER PRE-ENGINEERED CONNECTORS SHALL BE "SIMPSON STRONG-TIE" OR APPROVED EQUAL. SIZE AND USAGE SHALL BE AS SHOWN ON THE DRAWINGS, SPECIFIED IN THESE NOTES AND AS RECOMMENDED BY THE MANUFACTURER.

DESIGN CRITERIA:

DESIGN CODE -----IBC 2006
 LIVE LOADS: -----GROUND SNOW LOAD Pg -----44 PSF.
 ROOF LIVE LOAD -----30 PSF.
 GUEST ROOM -----40 PSF.
 HALLS -----60 PSF.
 STAIRS -----100 PSF.

WIND LOADS:
 3 SEC WIND: -----90 MPH, EXPOSURE B
 IMPORTANCE FACTOR: -----1

SEISMIC LOADS:
 SEISMIC CATEGORY: -----C
 SEISMIC IMPORTANCE FACTOR: -----1
 Ss = .526, Si = .177, Fa=1.19, Fv=1.625
 SdS=417, SdI=192
 LATERAL SYSTEM : FRAMED WALLS (WOOD/OTHERS)
 R=6.5, Cs=.064

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GENERAL NOTES:

THE STRUCTURAL DRAWINGS DEPICT THE STRUCTURE IN ITS FINAL CONSTRUCTED CONFIGURATION. NEITHER CONSTRUCTION MEANS AND METHODS NOR CONSTRUCTION SAFETY ARE PART OF THE STRUCTURAL ENGINEER'S EXPERTISE OR SCOPE OF WORK. THE GENERAL CONTRACTOR AND HIS SUBCONTRACTORS ARE FULLY RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES AND SERVICES. THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS AND CONDITIONS AT THE SITE. LIMITED SITE VISITS IF ANY BY THE STRUCTURAL ENGINEER ARE SOLELY TO OBSERVE COMPLETED PARTS OF THE STRUCTURE. THE STRUCTURAL ENGINEER IS NEITHER QUALIFIED TO OBSERVE NOR COMMENT ON CONSTRUCTION MEANS AND METHODS AND JOB SITE SAFETY. SEE ARCHITECTURAL MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL OPENINGS, SLEEVES, CURBS, INSERTS, DEPRESSIONS, ETC. NOT SHOWN. SHOP DRAWINGS PRODUCED BY THE CONTRACTOR, REPRODUCTIONS OF THE DESIGN DRAWINGS WILL BE REJECTED.

CONCRETE:

- ALL CONCRETE REINFORCING BARS SHALL CONFORM TO ASTM A615, GRADE 60, EXCEPT WHERE NOTED. NO. 3 BARS SHALL CONFORM TO ASTM A615, GRADE 40.
- ALL CONCRETE SHALL HAVE SAND AND GRAVEL AGGREGATE, TYPE II PORTLAND CEMENT, AND THE FOLLOWING DESIGNATED COMPRESSIVE STRENGTH (f'c) IN 28 DAYS OF 3,000 PSI.
- ALL WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185.
- CONCRETE PROTECTION FOR REINFORCEMENT SHALL BE AS FOLLOWS, SEE SEC. 7.7 OF THE MANUAL OF PRACTICE FOR CONSTRUCTION OF CONCRETE. REINFORCING BARS SHALL BE PROTECTED FROM CORROSION BY THE FOLLOWING METHODS:
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