

STRUCTURAL AND FRAMING NOTES
 CONFORMING WITH INTERNATIONAL RESIDENTIAL CODE 2006,
 WOOD FRAME CONSTRUCTION MANUAL 2001, AND ASCE-07 2005

FOR USE ONLY IN THE CONSTRUCTION OF:
 RESIDENCE

LOCATED ON:
 RIVER HIGHLANDS SUBDIVISION, THIRD FLING
 ASCENSION PARISH, LOUISIANA

DESIGN LOADS

LIVE LOAD	DEAD LOAD	DEFLECTION
20 PSF	10 PSF	L/240
ATTIC (CEILING)	30 PSF	L/960
SECOND LEVEL FLOOR	50 PSF	L/480

WIND LOAD: 3-SECOND GUST WIND SPEED 120 MPH **EXPOSURE C**

THIS INFORMATION COPIED FROM:
 SBCSI STANDARD FOR HURRICANE
 RESISTANT RESIDENTIAL
 CONSTRUCTION
SSTD 10-99
 TABLE 300C
 MINIMUM WALL AND
 HEADER STUD REQUIREMENTS

UNSUPPORTED WALL HEIGHT	STUD SPACING	MAXIMUM HEADER SPAN (FT.)					
		3'-0"	6'-0"	9'-0"	12'-0"	15'-0"	18'-0"
10'-0" OR LESS	16" O.C.	2	2	3	3	3	3
GREATER THAN 10'-0"	16" O.C.	2	2	3	3	4	4

ANCHOR BOLTS
 - PROVIDE ANCHOR BOLTS AT ALL EXTERIOR WALLS AND INTERIOR LOAD BEARING AND SHEAR WALLS. A MINIMUM OF (2) ANCHOR BOLTS PER PANEL SHALL BE USED.
 - USE 5/8" X 10" ASTM A 307 ANCHOR BOLTS WITH 3"x1 3/4" WASHER
 - MINIMUM EMBEDMENT OF 7" INTO FOUNDATION, SPACED AT 32" O.C. AND LOCATE WITHIN 12" FROM CORNERS AND SOLE PLATES.

FRAMING
 - DOUBLE STUDS, MINIMUM, SHALL BE PROVIDED WHERE HOLDDOWN CONNECTORS ARE REQUIRED. REFER TO FRAMING PLAN FOR HOLDDOWN LOCATION AND STUD REQUIREMENTS.
 - DOUBLE STUDS SHALL BE FASTENED TOGETHER WITH 2 ROWS OF FRAMING FASTENERS SPACED 6" O.C. ALONG STUDS.
 - WALL STUDS EXPOSED TO WIND LOADS SHALL BE CONTINUOUS FROM HORIZONTAL SUPPORT TO HORIZONTAL SUPPORT (FOUNDATION TO CEILING/FLOOR/ROOF, OR FLOOR TO CEILING/ROOF) I.E. BALLOON FRAMING.
 - CATHEDRAL CEILING, NO JOIST WALLS IN EXTERIOR WALLS.
 - MAXIMUM UNBARRICADED SPACING FOR 2x6 SPACED RAFTERS IS LIMITED TO 10'-0".
 - MAXIMUM RAFTER SPACING LIMITED TO 16" O.C.
 - OVERHANG SUPPORT POSTS SHALL BE MINIMUM 4x4 SP NO.2 LUMBER.
 - LOCKOUT SHALL BE SPACED MAXIMUM 32" O.C.
 - PROVIDE 2x6 STRONGBACK AT CEILING JOISTS WITH SPANS 10'-0" AND LONGER.
 - PROVIDE 2x4 / 2x6 STRONGBACK AT CEILING JOISTS WITH SPANS 10'-0" AND LONGER.
 - ALL HEADERS TO BE (2) 2x10 SP NO.2 WITH 1/2" PLYWOOD FLUSH PLATE (GLUED AND NAILED) UNLESS OTHERWISE INDICATED IN THE FRAMING PLAN.
 - REFER TO HEADER TABLE FOR REQUIRED NUMBER OF STUDS UNDER HEADERS AND AROUND WALL OPENINGS.
 - PROVIDE BLOCKING OF FLOOR TRUSSES ALONG END WALLS.
 - ALL RAFTERS AND JOISTS SHALL BE STACKED ALIGNED OVER STUDS BELOW.
 - ALL LUMBER IN CONTACT WITH CONCRETE SHALL BE PRESURE TREATED.

ROOF DECK SHEATHING
 - SHEATHING SHALL BE PLYWOOD OR OSB WITH 15/32" MINIMUM THICKNESS.
 - ROOF SHEATHING NAILING PATTERNS:
 PERIMETER EDGE ZONE: 6" EDGE / 12" FIELD
 INTERIOR ZONE: 6" EDGE / 12" FIELD
 PERIMETER ZONES ARE 4'-0" FROM EDGES AND RIDGES.

ROOF COVERING
 - ROOF DECK SHEATHING TO BE COVERED WITH PERMATEL GOLD (OR EQUAL) UNDERLAMENT FASTENED WITH CORROSION RESISTANT FASTENERS SPACED AT 36" O.C. MAXIMUM.
 - UNDERLAMENT SHALL COMPLY WITH ASTM D 226.
 - FASTENERS SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S INSTALLATION INSTRUCTIONS.
 - FASTENERS SHALL BE MINIMUM 6 RING-SHANK NAILS.

EXTERIOR WALL AND INTERIOR SHEAR WALL SHEATHING
 - EXTERIOR WALLS SHALL BE PLYWOOD SHEATHING.
 - PROVIDE HOUSEWRAP INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER SPECIFICATIONS AND INSTALLATION INSTRUCTIONS.
 - SHEATHING SHALL BE OVER SHEATHING WITH MINIMUM THICKNESS OF 7/16".
 - SHEAR WALL SHALL BE CONTINUOUS FROM BOTTOM PLATE TO DOUBLE TOP PLATE.
 - SHEATHING FASTENER SPACING SHALL BE:
 PERIMETER EDGE ZONE: 6" EDGE / 12" FIELD
 FIELD ZONE: 6" EDGE / 12" FIELD
 - BLOCK ALL SHEAR WALL PANEL EDGES ALONG INTERIOR STRUCTURE AND NAIL 6" O.C.
 - SHEATHING FASTENERS SHALL BE MINIMUM OF 8 COMMON NAILS.

DOORS AND WINDOWS
 - ALL DOOR AND WINDOW PRODUCTS SHALL HAVE A MINIMUM DESIGN PRESSURE OF 35 PSF OR AS SPECIFIED IN TABLE 301.2(2) OF THE 2006 INTERNATIONAL RESIDENTIAL CODE.
 - AN EVALUATION REPORT OR TESTING INFORMATION SHALL BE AVAILABLE UPON REQUEST.
 - WINDOWS AND GLASS DOOR PRODUCTS SHALL BE INSTALLED TO SECTION 613.3 OF THE 2006 INTERNATIONAL RESIDENTIAL CODE.
 - CONTACT WINDOW MANUFACTURER AND DOOR SUPPLIER FOR PROPER RATED MATERIAL AND INSTALLATION SPECIFICATIONS.

SOFFITS AND FLASHING
 - ALL SOFFITS TO BE BACK SORRENDED (CONTINUOUS SMOOTH PERFORATED FIBER CEMENT SOFFIT AS PER DETAILS).
 - PROVIDE HOUSEWRAP INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER SPECIFICATIONS AND FASTENERS SHALL BE AT THE SITE AT THE TIME OF THE FINAL INSPECTION.
 - PROVIDE APPROVED FLASHING AT ALL EXTERIOR OPENINGS, VALLEYS, AND OTHER AREAS SPECIFIED ON THE PLANS.
 - USE 26 GAUGE G.I. FLASHING FOR ALL VALLEYS. VALLEY FLASHING SHALL HAVE SPLASH RIB 3/4" HIGH.

MECHANICAL UNITS
 - SCORE BY BOLTING OR SHOOTING TO SLAB.
 - MINIMUM 3 BOLTS/SHOTS FOR ROUND UNITS.
 - MINIMUM 4 BOLTS/SHOTS FOR SQUARE UNITS.
 - MINIMUM SLAB WEIGHT SHALL BE 100 LBS (APPROX. 3/4 CUBIC FEET OF CONCRETE).

WINDBORNE DEBRIS PROTECTION
 - STRUCTURES LOCATED IN THE INLAND I ZONE SHALL HAVE GLAZED EXTERIOR OPENINGS PROTECTED FROM WINDBORNE DEBRIS BY AN APPROVED PROTECTION METHOD AS SPECIFIED IN THE 2006 INTERNATIONAL RESIDENTIAL CODE.
 - THE PROTECTION METHOD SHALL MEET THE IMPACT AND CYCLIC WIND PRESSURE TESTING REQUIREMENTS OF ASTM E 1886 AND 1996, OR BE AN APPROVED WOOD STRUCTURAL PANEL APPLICATION SPECIFIED IN THE 2006 INTERNATIONAL RESIDENTIAL CODE.
 - EVIDENCE OF PROTECTION METHOD SHALL BE PROVIDED PRIOR TO CERTIFICATION AND THE PROTECTION MATERIALS AND FASTENERS SHALL BE AT THE SITE AT THE TIME OF THE FINAL INSPECTION.
 - DOORS AND GARAGE DOOR OPENINGS WITH GLASS SHALL BE PROTECTED FROM WINDBORNE DEBRIS. DOOR AND GARAGE DOOR OPENINGS WITHOUT GLASS DO NOT REQUIRE PROTECTION AGAINST WINDBORNE DEBRIS.

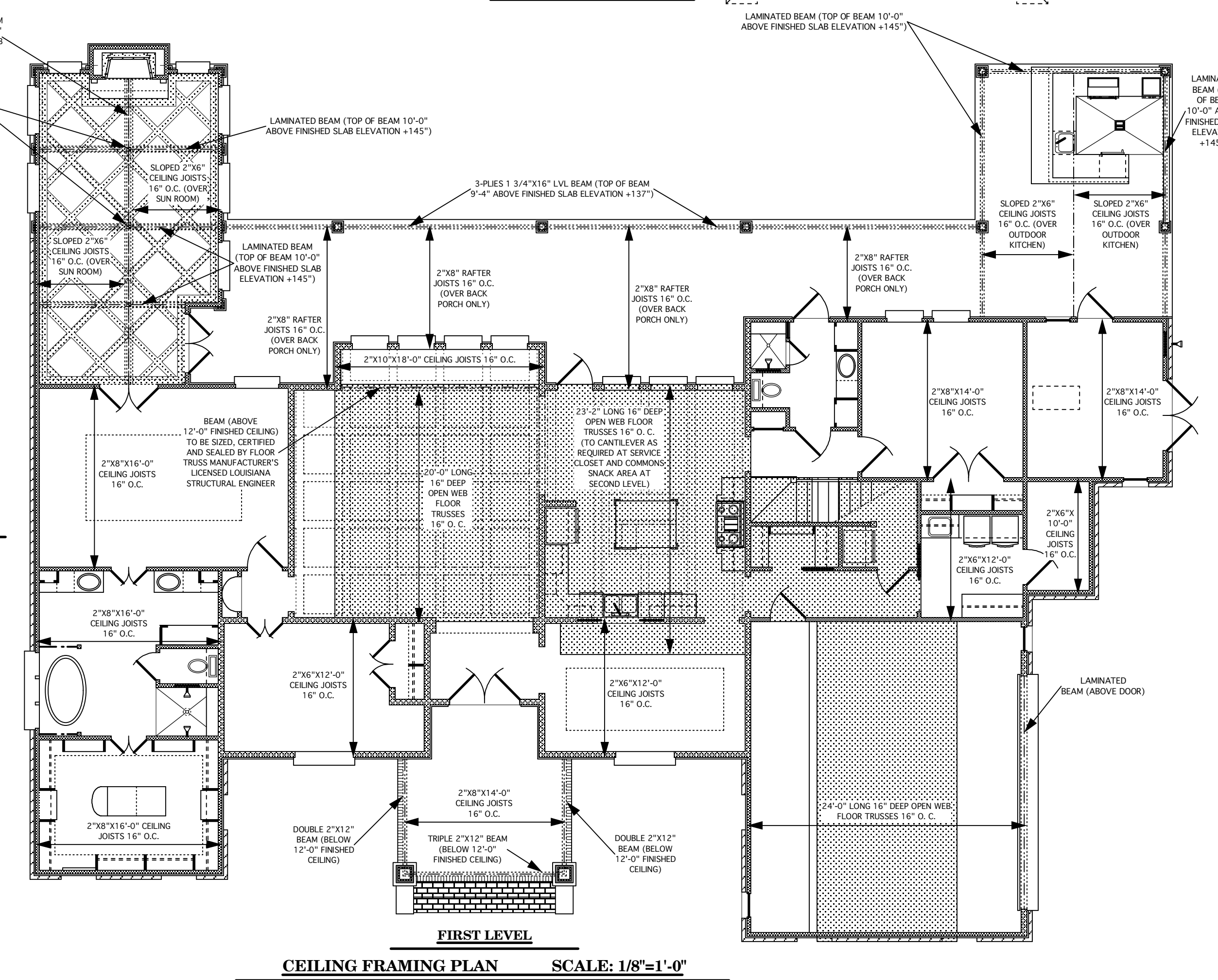
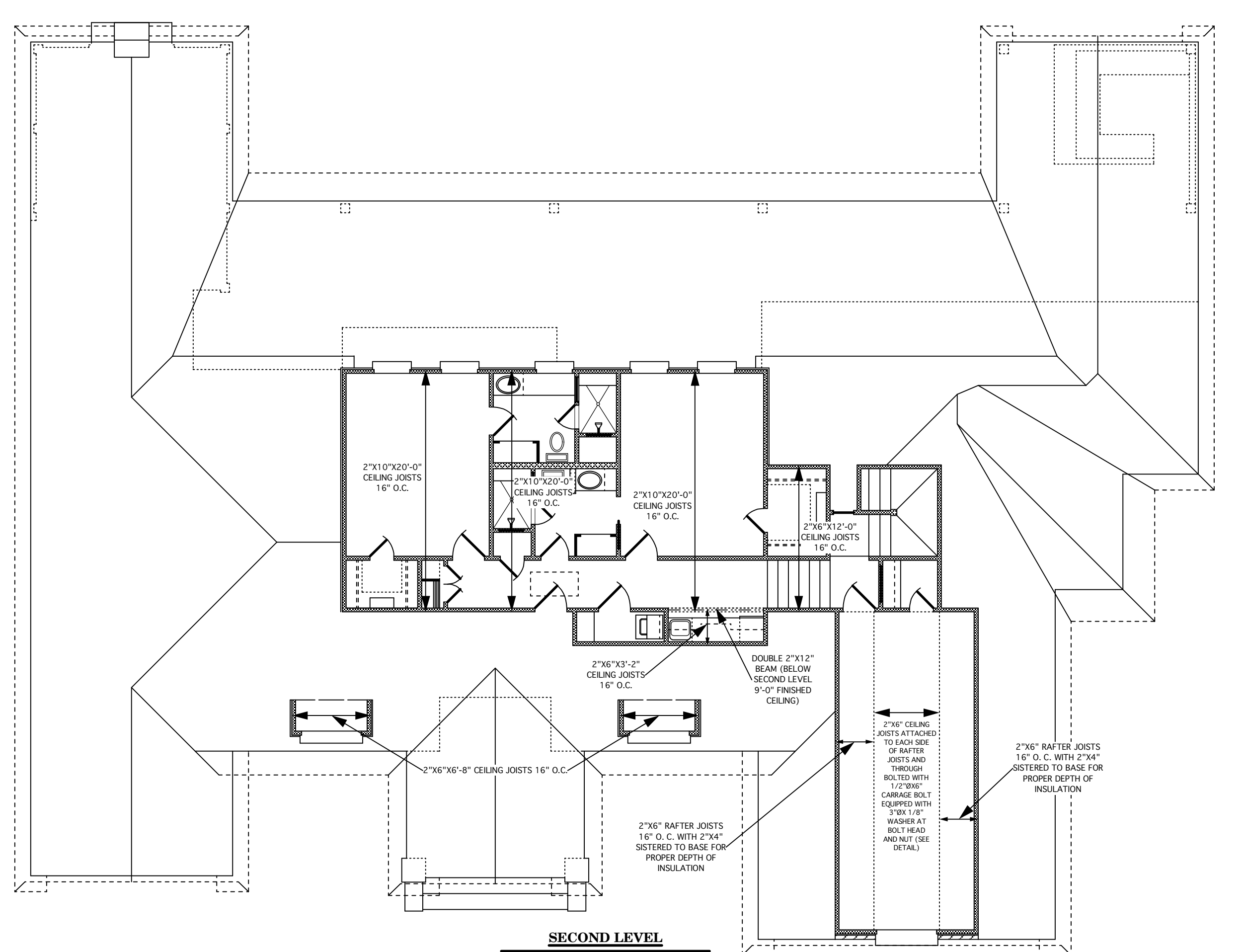
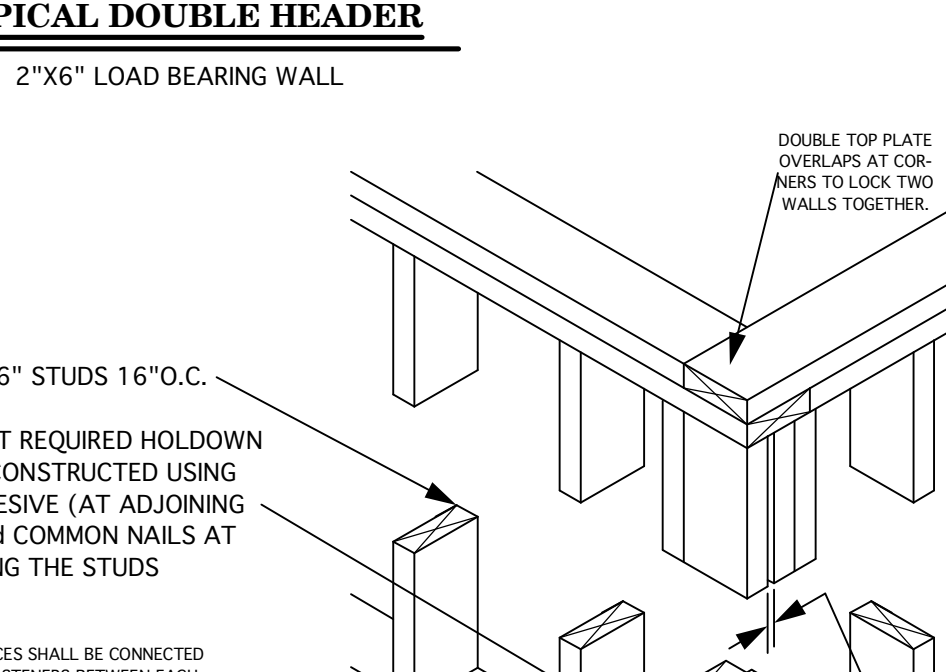
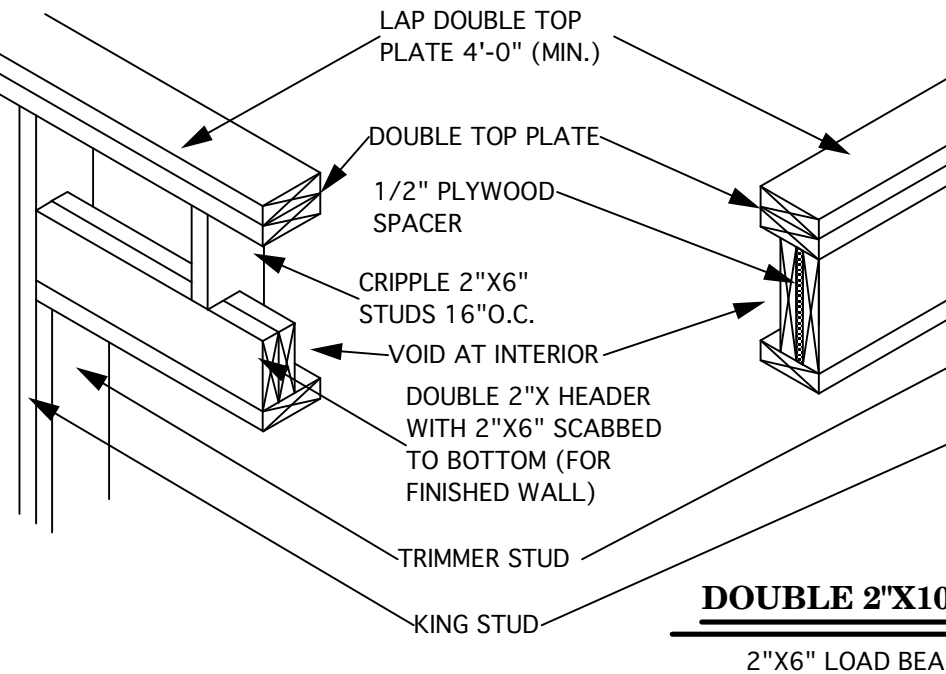
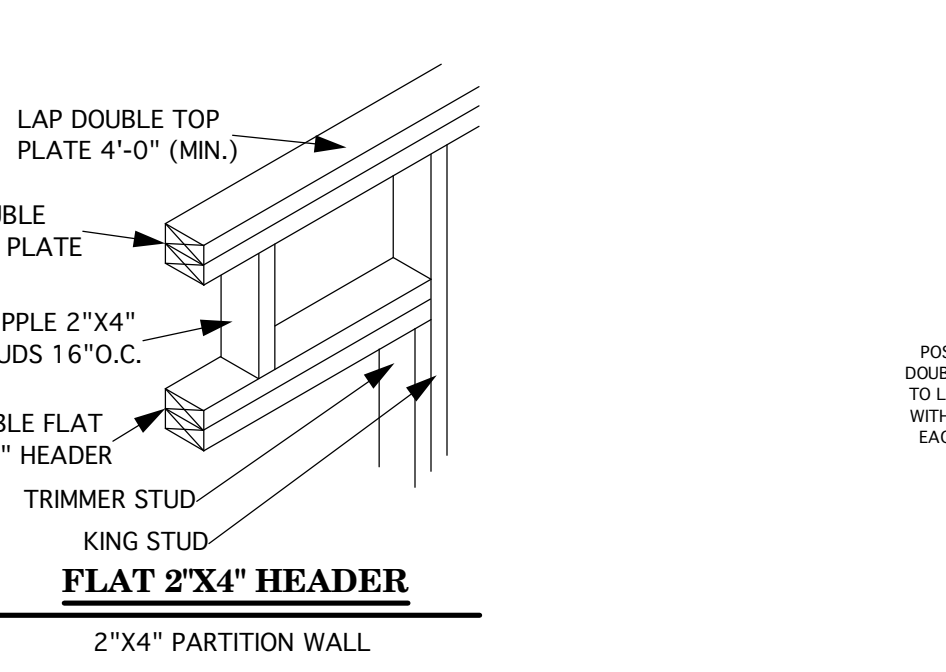
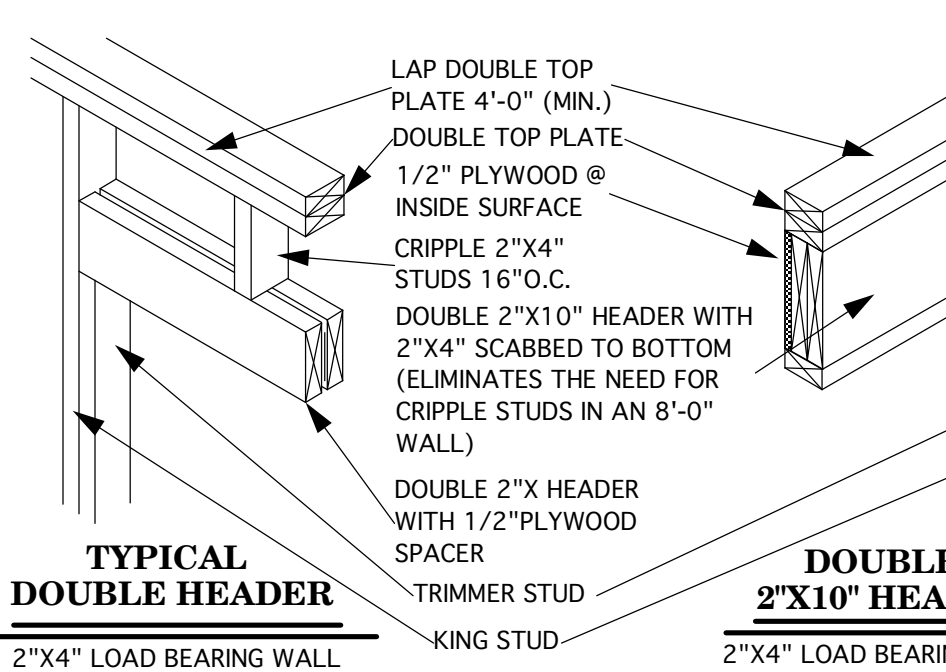
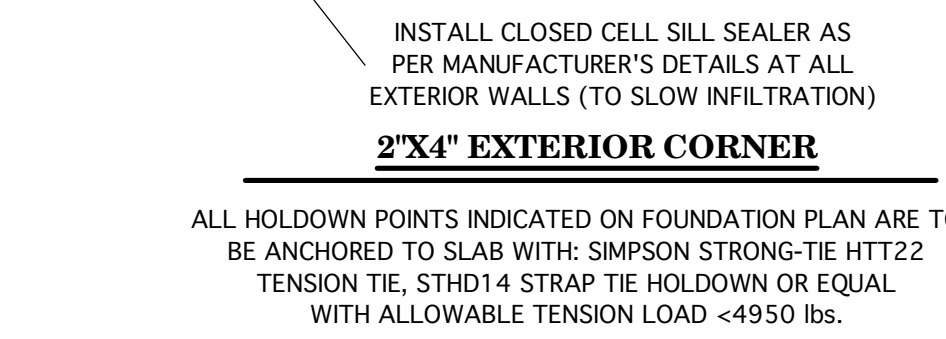
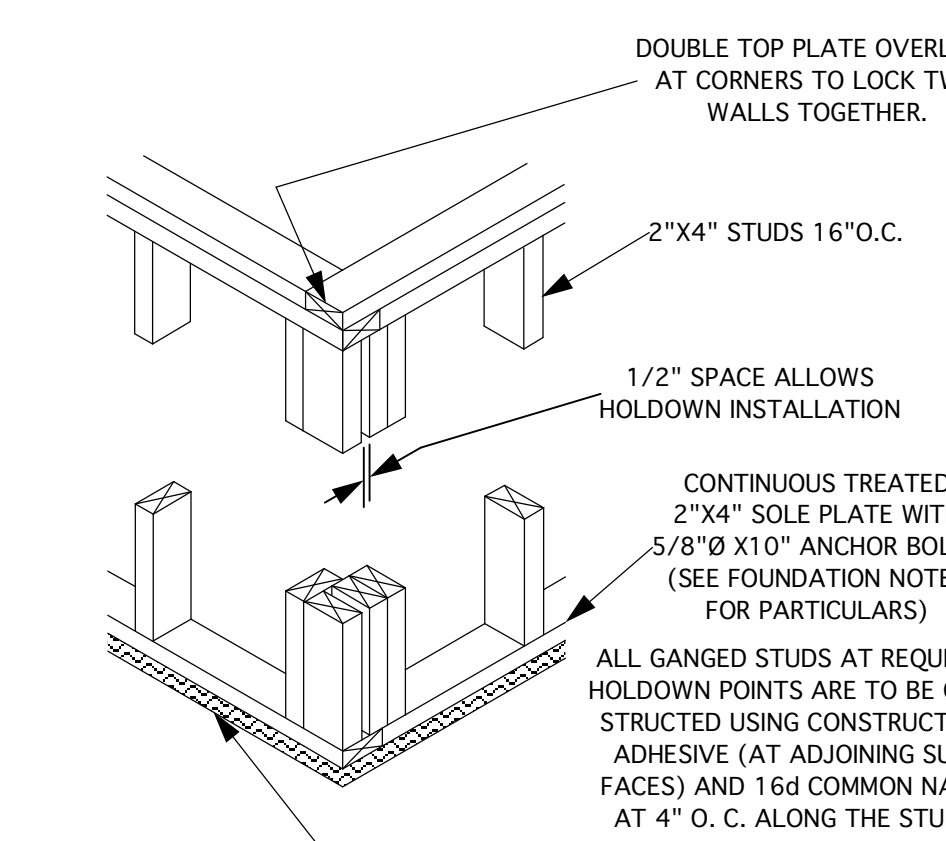
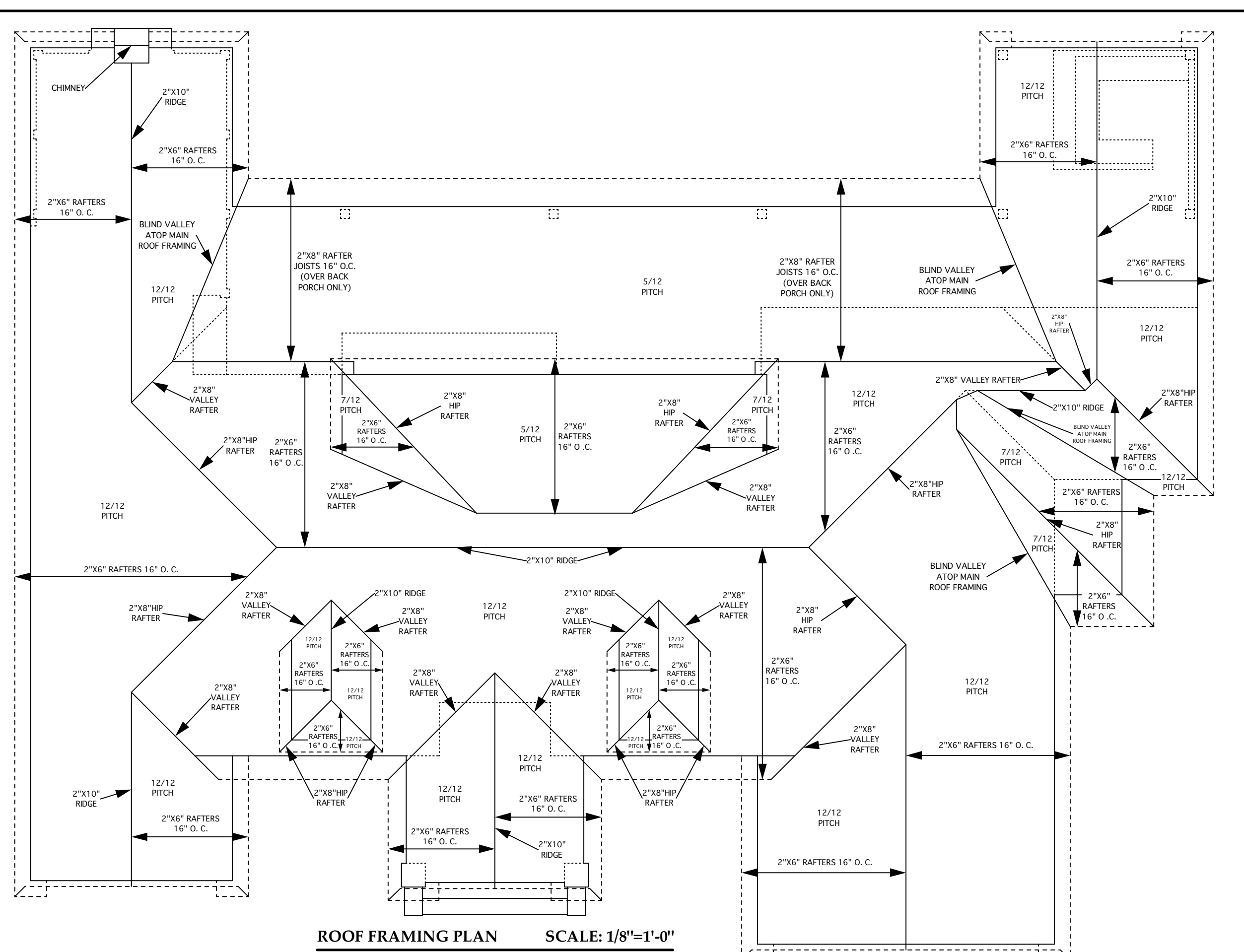
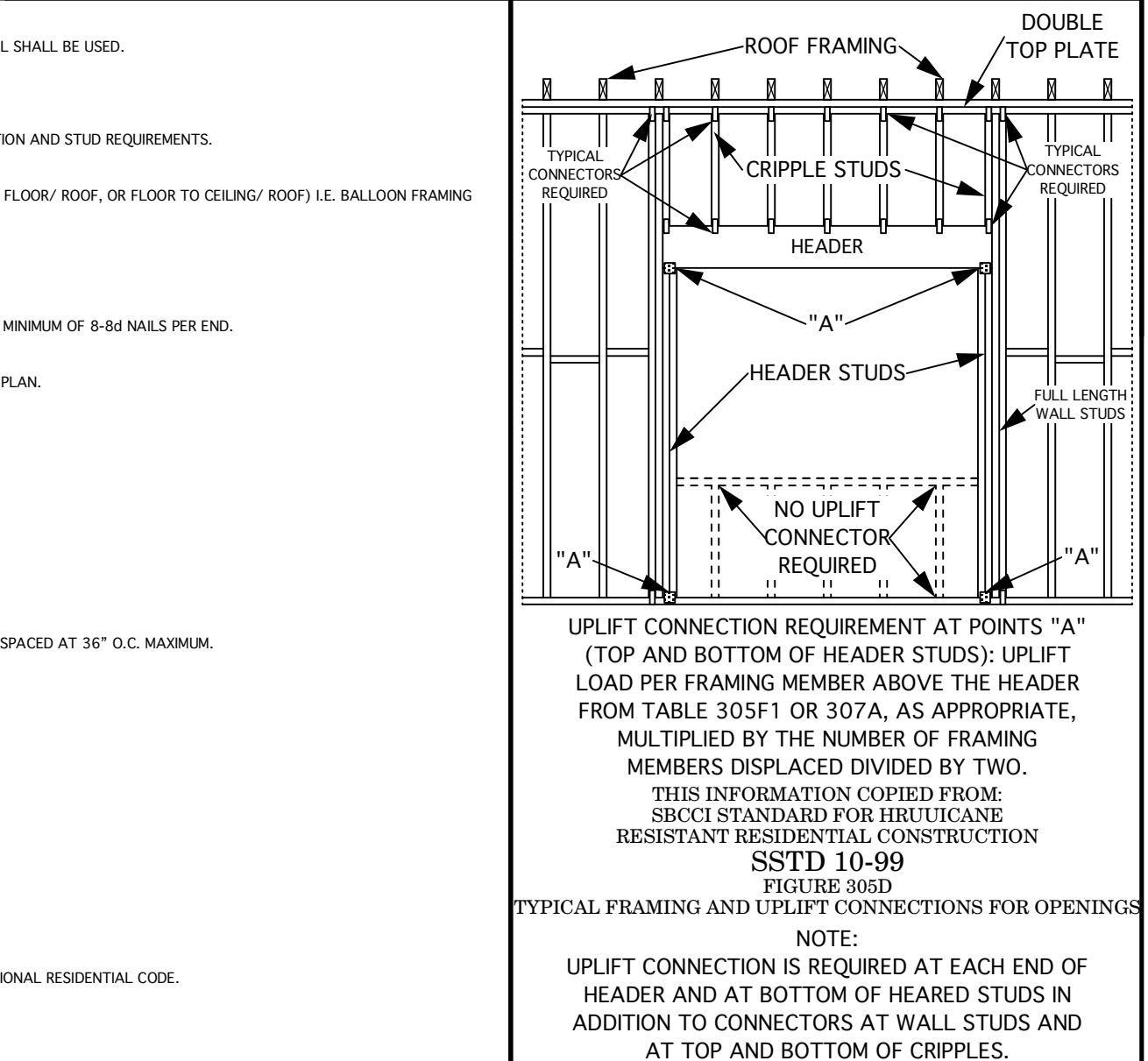
EXCEPTION: WOOD STRUCTURAL PANELS WITH A MINIMUM OF 7/16" AND A MAXIMUM SPAN OF 8' SHALL BE PERMITTED FOR OPENING PROTECTION IN ONE AND TWO-STORY BUILDINGS. PANELS SHALL BE PRECUT SO THAT THEY CAN BE ATTACHED TO THE FRAMING SUBROUNDING THE OPENING CONTAINING THE PRODUCT WITH GLAZED OPENING. THE FASTENERS SHALL BE INSTALLED AT OPPOSING ENDS OF THE PLYWOOD AND BE LOCATED A MINIMUM 1" FROM THE EDGE OF THE PANEL. FASTENERS SHALL BE NO. 8 SCREWS AT 12" O.C.

FLOOR FRAMING AND SHEATHING
 - CONTRACTOR TO PROVIDE LICENSED LOUISIANA STRUCTURAL ENGINEER AND SEALED DRAWINGS AND CALCULATIONS FOR ALL PREFABRICATED WOOD FLOOR TRUSSES.
 - OPEN WEB FLOOR TRUSS SYSTEMS SHALL BE DESIGNED FOR THE FOLLOWING CONDITIONS:
 LIVE LOAD: 15 PSF
 DEAD LOAD: 50 PSF
 MAXIMUM DEFLECTION NOT TO EXCEED L/480
 ALL ENGINEERS OPEN WEB FLOOR TRUSSES AND FLOOR JOISTS SHALL BE INSTALLED AND BRACED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.
 - PROVIDE FULL DEPTH BLOCKING BETWEEN ALL FLOOR JOISTS AND TRUSSES AT EXTERIOR AND INTERIOR LOAD BEARING WALLS.
 - MINIMUM FASTENER REQUIREMENTS: GLEUED (WITH CONSTRUCTION ADHESIVE) AND SCREWED WITH #8-1 3/4" SURFACING OR DRILLING SCREWS AT 6" EDGE / 12" FIELD. FOLLOW FLOOR JOIST MANUFACTURER RECOMMENDATIONS FOR PROPER SHEATHING FASTENING TO JOISTS.
 - MINIMUM EXTERIOR WALLS 1/2" FASTENED WITH #8-1 3/4" DRYWALL SCREWS SPACED 7" EDGE / 10" FIELD WITH PANEL EDGES BLOCKED.

HOLD-DOWNS
 - HOLD-DOWNS ARE REQUIRED AT THE END OF ALL SHEARWALL SEGMENTS AND AT ALL CORNERS.
 - THE LOCATION OF SHEARWALL HOLD-DOWNS ARE SHOWN IN SHEARWALL AND HOLD-DOWN LOCATION PLAN.
 - SEE FASTENING SCHEDULE TABLE FOR SPECIFIC HOLD-DOWN AND CAPACITY REQUIRED.
 - ANCHOR BOLTS FOR HOLD-DOWN SHALL HAVE EQUAL TO OR HIGHER CAPACITY THAN THE HOLD-DOWN CONNECTOR.

EXTERIOR COLUMNS
 - CONNECTIONS FOR EXTERIOR COLUMNS SHALL RESIST MINIMUM 400 LBS IN UPLIFT FORCES.
 - A CONTINUOUS LOAD PATH SHALL BE MAINTAINED FROM THE RAFTERS DOWN TO THE FOUNDATION.

STRAPS AND CLIPS
 - REQUIRED CONNECTION CAPACITY AND ACCEPTABLE FRAMING ANCHORS SHALL BE AS PER FASTENING SCHEDULE TABLE. CLIPS AND STRAPS OTHER THAN THOSE SPECIFIED IN THE TABLE CAN BE USED AS LONG AS THEY HAVE THE SAME OR GREATER CAPACITY THAN SPECIFIED IN THE TABLE.
 - FASTENERS FOR STRAPS AND CLIPS SHALL BE AS SPECIFIED BY THE MANUFACTURER TO OBTAIN THE LISTED LOAD RESISTANCE. FOLLOW MANUFACTURER'S INSTALLATION INSTRUCTIONS.
 - ALL STRAPS AND CLIPS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
 - FASTEN EVERY RAFTER ACROSS BOTH TOP PLATES.
 - FASTEN EVERY STUD TO TOP PLATE.
 - STRAP-HEADER TO HEADER STUDS AND HEADER STUDS TO SILL PLATE.
 - STRAP-CRIPPLE STUDS ABOVE HEADER OR TOP PLATE OBJECTS TO HEADER WITH STRAP SPACED 16" O.C.
 - OVERHANGING CEILING JOISTS SHALL BE ANCHORED TO THE TOP OF THE DOUBLE TOP PLATE.
 - OVERHANGING SUPPORT BEAMS SHALL BE STRAPPED TO SUPPORT POSTS WITH 4 STRAPS, (2 RIDGE / 2 OUTSIDE).
 - LAPS IN TOP PLATES ON WALL SEGMENTS (PARALLEL PLYWOOD APPLICATIONS) SHALL BE STRAPPED HORIZONTALLY TO RESIST 970 LBS.
 - RIDGE STRAPS SHALL BE PROVIDED OVER RIDGES AND HIPS WITH 5 NAILS PER SIDE. OPPOSING RAFTERS MAY BE ANCHORED TO THE HP RAFTER.



FASTENING SCHEDULE

SIMPSON FASTENER	QUANTITY	LOCATION	SPACING	TYPE
H5	ONE (1)	RAFTER TO TOP PLATE	EACH RAFTER 16" O.C.	UPLIFT CONNECTIONS
SP2	ONE (1)	STUD TO SILL PLATE	EVERY OTHER STUD 32" O.C.	
5/8"x10" A. B.*	ONE (1)	SILL PLATE TO FOUNDATION	32" O.C.	
LSTA36	ONE (1)	1ST LEVEL STUD TO 2ND LEVEL STUD	EVERY OTHER STUD 32" O.C.	
LSTA15	ONE (1)	RAFTER TO RIDGE STRAP	EACH RAFTER	
SP2	ONE (1)	TOP PLATE TO STUD	EVERY OTHER STUD 32" O.C.	HEADER CONNECTIONS (SPANS UP TO 6'-0")
LSTA12	FOUR (4)	CHIMNEY ANCHORING	ONE AT EACH CORNER	
LSTA36	ONE (1)	2ND LEVEL JACK/KING STUD TO 1ST LEVEL JACKING STUD	EACH STUD	
LSTA9	ONE (1)	TOP PLATE TO KING STUD	EACH STUD	
LSTA9	ONE (1)	HEADER TO JACK STUD	EACH STUD	
SP4	ONE (1)	KING STUD TO SILL PLATE	EACH STUD	HEADER CONNECTIONS (SPANS UP TO 14'-0")
SP4	ONE (1)	JACK STUD TO SILL PLATE	EACH STUD	
H2.5T	ONE (1)	CRIPPLE STUD TO HEADER/TOP PLATE	EACH STUD	
LSTA18	ONE (1)	TOP PLATE TO KING STUD	EACH STUD	
LSTA18	ONE (1)	HEADER TO JACK STUD	EACH STUD	
SPH4	ONE (1)	KING STUD TO SILL PLATE	EACH STUD	GARAGE HEADER CONNECTIONS
SPH4	ONE (1)	JACK STUD TO SILL PLATE	EACH STUD	
H2.5T	ONE (1)	CRIPPLE STUD TO HEADER/TOP PLATE	EACH STUD	
HTT22	ONE (1)	END STUDS TO FOUNDATION	EACH END	
LSTA18	ONE (1)	TOP PLATE TO KING STUD	EACH STUD	
LSTA18	ONE (1)	HEADER TO JACK STUD	EACH STUD	SHEARWALL CONNECTIONS
HTT22	ONE (1)	END STUDS TO FOUNDATION	EACH END	
5/8"x10" A. S.*	ONE (1)	SILL PLATE TO FOUNDATION	32" O.C.	
HTT22	ONE (1)	SHEARWALL HOLD-DOWN	END OF WALL SEGMENT	
G22	ONE (1)	2ND LEVEL SHEARWALL HOLD-DOWN	END OF WALL SEGMENT	

* ALL 5/8" ANCHOR BOLTS AND ANCHOR STUDS ARE TO BE EQUIPPED WITH 3"x1/8" WASHER AND HAVE A 7" MINIMUM EMBEDMENT

- GENERAL FRAMING NOTES**
- ALL FRAMING TO BE 16" O.C. UNLESS OTHERWISE NOTED.
 - ROOF DECKING TO BE 1/2" CDX PLYWOOD [15/32" ORIENTED STRAND BOARD CODE MINIMUM] SHEATHING FASTENED TO RAFTERS WITH 8d RING-SHANK NAILS 6" O.C. AT EDGES AND 12" O.C. AT INTERMEDIATE FRAMING TAPPED WITH PERMATEL GOLD (OR EQUAL) UNDERLAMENT.
 - PROVIDE 1"x6" S.Y. PINE (OR 2" COLLAR TIE) AT UPPER 1/3 OF VERTICAL DISTANCE BETWEEN RIDGE AND JOISTS AT EVERY OTHER PAIR OF RAFTERS (MINIMUM).
 - ALL HEADERS TO BE DOUBLE 2"x10" WITH 1/2" PLYWOOD (GLUED AND NAILED) BETWEEN (MINIMUM). PROVIDE HEADER AND FULL LENGTH STUDS AT EACH END OF HEADER AS PER HEADER TABLE.
 - SOLID 7/16" OSB SHEATHING REQUIRED AT ALL EXTERIOR WALLS TO BE FASTENED TO STUDS 6" O.C. AT EDGES AND 12" O.C. ALONG ALL INTERMEDIATE FRAMING.
 - PROVIDE 2"x6" RAFTER TIES AT ALL PLATES WHERE JOISTS RUN PERPENDICULAR TO RAFTERS.
 - PROVIDE 2"x4" / 2"x6" STRONGBACK AT CEILING JOIST SPANS OVER 10'-0".
 - ALL RAFTERS ARE TO BE CONNECTED TO TOP PLATE WITH GALVANIZED METAL SIMPSON H5 METAL "HURRICANE TIES".
 - PROVIDE SOLID BLOCKING AT MID HEIGHT OF ALL INTERIOR AND EXTERIOR WALLS.
 - ALL RAFTERS, JOISTS SHALL BE STACKED ALIGNED OVER STUDS BELOW.
 - ALL LUMBER IN CONTACT WITH CONCRETE IS TO BE PRESURE TREATED.
 - ALL SOFFITS TO BE CONTINUOUS BACK SCREENED PERFORATED HARDISOFFIT FOR PROPER ATTIC VENTILATION.
 - EXTERIOR OPENINGS, VALLEYS AND OTHER AREAS SPECIFIED ON PLANS TO HAVE APPROVED FLASHING.
 - USE 26 GA G.I. FLASHING FOR ALL VALLEYS. VALLEY FLASHING SHALL HAVE SPLASH RIB 3/4" HIGH.
 - ANCHOR BOLTS AT EXTERIOR WALLS SHALL BE 5/8"x10" AT 32" O.C. AND WITHIN 12" FROM END OF SOLE PLATES AND CORNERS. PROVIDE MINIMUM OF 2 BOLTS PER PLATE EMBEDDED 7" IN FOOTINGS.
 - ANCHOR STUDS AT INTERIOR LOAD BEARING WALLS SHALL BE 5/8"x10" AT 32" O.C. AND WITHIN 12" FROM END OF SOLE PLATES AND CORNERS. PROVIDE MINIMUM OF 2 BOLTS PER PLATE EMBEDDED 7" IN FOOTINGS.

WALL LEGEND

- 2" SUPPORT PARTITION OR CABINET PANEL
- 2"x4" STUD WALL WITH STUDS 16" O.C. AND SOLID BLOCKING AT MID-HEIGHT OF ALL WALLS
- 2"x6" STUD WALL WITH STUDS 16" O.C. AND SOLID BLOCKING AT MID-HEIGHT OF ALL WALLS
- 8 1/2" TALL 2"x4" STUD WALL WITH STUDS 16" O.C. AND SOLID BLOCKING AT MID-HEIGHT OF ALL WALLS
- 4" (NOMINAL) BRICK VENER WITH METAL WALL TIES (TO CODE) ATTACHED TO STUDS

ORIENTATION

North arrow pointing up.

