

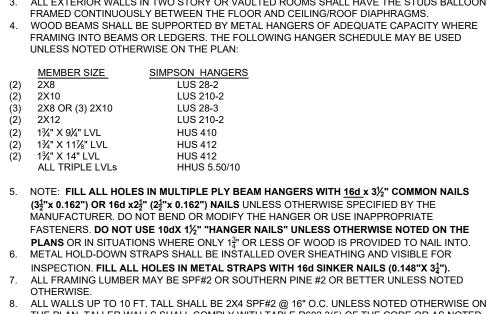
7.	SIZE OF		J PIERS DEPEND (ON HEIGHT AND LOADING.	UNLESS OTHERWISE NOTED AS
	PIER	FILL	MAX. HEIGHT	CONCRETE FTG	
	8x16	HOLLOW	32"	24"x36"x10"	
	8x16	GROUTED	80"	24"x36"x10"	

8x16	GROUTED	80"	24"x36"x10"
12x16	HOLLOW	48"	24"x36"x10"
12x16	GROUTED	120"	36"x36"x10"
16x16	HOLLOW	64"	36"x36"x10"
16x16	GROUTED	160"	36"x36"x10"
*ALL HOLLOW PIERS AND WALLS TO HAVE TOP 8" GROUTED			TOP 8" GROUTED.

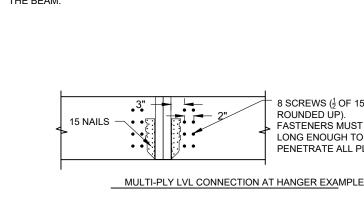
8 SHIMS USED BETWEEN MASONRY PIERS AND WOOD GIRDERS SHALL CONSIST OF FITHER SOLID. WOOD OR MULTIPLE STACKS OF STEEL SHIMS EQUAL IN WIDTH TO THE GIRDER AND FULLY CONTACT AT LEAST 8" THE LENGTH OF THE PIER.

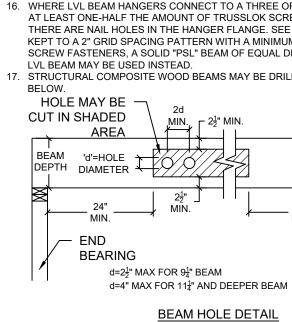
SPECIAL FOUNDATION CONSIDERATIONS

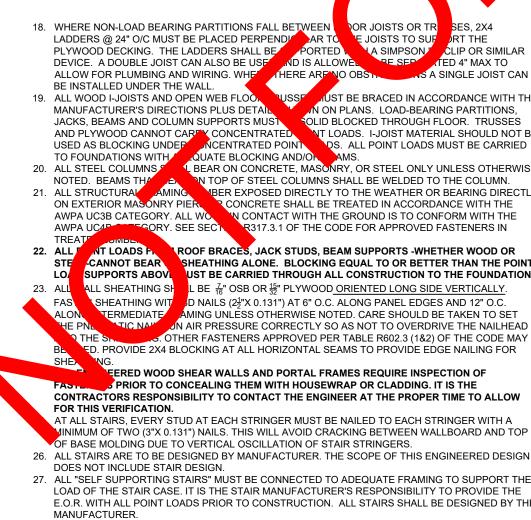
1.	FOR UNRESTRAINED RETAINING WALLS SEE SPECIAL DESIGNS ON DRAWINGS.
2.	ANCHOR BOLTS SHALL BE INSTALLED AS REQUIRED BY CODE UNLESS OTHERWISE NOTED ON
	THE PLANS. DO NOT USE FOUNDATION STRAPS IN BRICK VENEER. STRAPS ARE ONLY
	ACCEPTABLE IN CONCRETE OR GROUT FILLED CMU AND MUST BE INSTALLED PER THE
	MANUFACTURER'S INSTRUCTIONS. WHERE STANDARD ANCHOR BOLTS OR STRAPS ARE MISSED
	OR NOT INSTALLED PROPERLY, A RETROFIT BOLT SUCH AS A SIMPSON 1" DIAMETER TITEN HD
	BOLT OR EPOXY BOLT MAY BE USED IN ITS PLACE IN A MANNER APPROVED BY THE MANUF.
3.	ALL REINFORCING STEEL WHEN SPECIFIED, SHALL BE LAPPED AT LEAST 24" AT SPLICES
4.	WHERE PRE-EMBEDDED HOLD DOWN ANCHORS ARE SPECIFIED ON THE PLANS, INSPECTION BY
	ENGINEER IS REQUIRED PRIOR TO POURING CONCRETE FOOTINGS.
5.	THE TOPS OF ALL RESTRAINED BASEMENT WALLS SHALL EXTEND TO THE BOTTOM OF THE FLOOR
	FRAMING SILL PLATE WHEN UNBALANCED FILL EXCEEDS 48".
6.	RESTRAINED BASEMENT WALLS SHALL BE RESTRAINED AT THE TOP AND BOTTOM PRIOR TO
	BACKFILLING.



- INLESS NOTED OTHERWISE. (3¹/3"X0.162") IN EACH PLY. EACH KING STUD PLY SHALL BE NAILED TO THE OTHER WITH TWO REQUIRED IF NOT NOTED ON PLANS.
- GENERALLY RECOMMENDED WHEN POSSIBLE.
- NOTED OTHERWISE.
- WITH FASTENERS SPACED AT 12" O.C.







1. SEE SECTION R602.3 (1) OF THE CODE FOR A GENERAL FASTENER SCHEDULE FOR STRUCTURAL MEMBERS. ALL LIGHT GAUGE METAL CONNECTORS SPECIFIED ON THE PLAN ARE DESIGNATIONS BY SIMPSON STRONG TIE. REFER TO SIMPSON'S PRODUCT MANUAL FOR SIZES, SPECIFICATIONS, AND INSTALLATION INSTRUCTIONS. OTHER BRANDS MAY BE USED PROVIDED THE CONNECTION IS EQUAL TO OR STRONGER THAN THAT SPECIFIED. 2. SUPPORT ALL FLOOR JOISTS WITH METAL HANGERS. 2X2 LEDGERS ARE ONLY ACCEPTABLE 3. ALL EXTERIOR WALLS IN TWO STORY OR VAULTED ROOMS SHALL HAVE THE STUDS BALLOON FRAMED CONTINUOUSLY BETWEEN THE FLOOR AND CEILING/ROOF DIAPHRAGMS WOOD BEAMS SHALL BE SUPPORTED BY METAL HANGERS OF ADEQUATE CAPACITY WHERE FRAMING INTO BEAMS OR LEDGERS. THE FOLLOWING HANGER SCHEDULE MAY BE USED

5. NOTE: FILL ALL HOLES IN MULTIPLE PLY BEAM HANGERS WITH 16d x 3½" COMMON NAILS (3¹/₂"x 0.162") OR 16d x2¹/₂" (2¹/₂"x 0.162") NAILS UNLESS OTHERWISE SPECIFIED BY THE

FASTENERS. DO NOT USE 10dX 11/2" "HANGER NAILS" UNLESS OTHERWISE NOTED ON THE **PLANS** OR IN SITUATIONS WHERE ONLY $1\frac{3}{4}$ OR LESS OF WOOD IS PROVIDED TO NAIL INTO. 6. METAL HOLD-DOWN STRAPS SHALL BE INSTALLED OVER SHEATHING AND VISIBLE FOR INSPECTION. FILL ALL HOLES IN METAL STRAPS WITH 16d SINKER NAILS (0.148"X 3¹/₄"). ALL FRAMING LUMBER MAY BE SPF#2 OR SOUTHERN PINE #2 OR BETTER UNLESS NOTED

THE PLAN. TALLER WALLS SHALL COMPLY WITH TABLE R602.3(5) OF THE CODE OR AS NOTED 9. LUMBER BEAMS TO HAVE SAME NUMBER OF SUPPORT STUDS AS THE NUMBER OF PLIES 10. FASTEN FIRST KING STUD TO LUMBER HEADER WITH AT LEAST THREE 16D COMMON NAILS

ROWS OF 3"X0.131" NAILS SPACED AT 9" O.C. SEE R602.7.5 FOR NUMBER OF KING STUDS 11. ALL LOAD-BEARING HEADERS ARE (2)2X8 SPF#2 DROPPED OR FLUSH DOUBLE PLY RIM BOARD HEADERS WITH JOISTS CONNECTED TO HEADER WITH JOIST HANGERS UNLESS OTHERWISE NOTED. FLUSH RIM BOARD HEADERS IN ACCORDANCE WITH R602.7.2 MAY BE USED AND ARE

13. "LVL" AND GLU-LAM BEAMS MUST HAVE ENOUGH STUDS TO SUPPORT ALL PLIES AT EACH END WITH A MINIMUM OF (3)-2X4 OR (2)-2X6 STUDS UNDER EACH END UNLESS NOTED OTHERWISE. 14. ALL BUILT-UP COLUMNS SHALL HAVE EACH PLY NAILED TO THE OTHER WITH TWO ROWS OF 3"X0.131" NAILS SPACED AT 9" ON CENTER OR HEADLOK SCREWS @ 9" O.C. THAT CAN PENETRATE ALL PLIES. NAIL THE EXTERIOR SHEATHING OR INTERIOR GYPSUM TO EACH PLY

15. WHERE THREE OR FOUR-PLY LVL BEAMS ARE SIDE-LOADED (JOISTS FRAME INTO THE SIDE AT THE OUTSIDE PLIES), FASTEN ALL TRIPLE PLY LVLs TOGETHER WITH TWO ROWS OF 5" LONG FLATLOK OR SIMPSON SDS SCREWS @ 16" O.C. AND FOUR PLY LVLs WITH TWO ROWS OF 63/2' FLATLOK SCREWS @ 16" O.C. UNLESS NOTED OTHERWISE ON THE PLANS. THE SCREWS SHALL BE LOCATED A MINIMUM OF 2" AND A MAXIMUM OF 3" FROM THE TOP OR BOTTOM OF

> 8 SCREWS (2 OF 15 ROUNDED UP) FASTENERS MUST BE LONG ENOUGH TO PENETRATE ALL PLIES

16. WHERE LVL BEAM HANGERS CONNECT TO A THREE OR FOUR PLY LVL MEMBER, THERE SHALL BE AT LEAST ONE-HALF THE AMOUNT OF TRUSSLOK SCREWS ON EACH SIDE OF THE HANGER AS THERE ARE NAIL HOLES IN THE HANGER FLANGE. SEE THE DETAIL ABOVE. SCREWS SHALL BE KEPT TO A 2" GRID SPACING PATTERN WITH A MINIMUM 2" EDGE DISTANCE. TO AVOID USING

SCREW FASTENERS, A SOLID "PSL" BEAM OF EQUAL DIMENSIONS AND STRENGTH TO THE BUILT-UP 17. STRUCTURAL COMPOSITE WOOD BEAMS MAY BE DRILLED FOR WIRING AND PLUMBING AS SHOWN

> OR JOISTS OR TH E JOISTS TO SU RT THE A SIMPSON CLIP OR SIMILAR ND IS ALLOV RE SEP TED 4" MAX TO HERE ARE S A SINGLE JOIST CAN UST BE BRACED IN ACCORDANCE WITH THE IN ON PLANS. LOAD-BEARING PARTITIONS. SOLID BLOCKED THROUGH FLOOR. TRUSSES NT LOADS. I-JOIST MATERIAL SHOULD NOT BE

> > DS. ALL POINT LOADS MUST BE CARRIED

BEAR ON CONCRETE, MASONRY, OR STEEL ONLY UNLESS OTHERWISE NOTED. BEAMS THAT A TOP OF STEEL COLUMNS SHALL BE WELDED TO THE COLUMN. 21. ALL STRUCTURAL AMING THERE EXPOSED DIRECTLY TO THE WEATHER OR BEARING DIRECTLY ON EXTERIOR MASONRY PIER TO CONCRETE SHALL BE TREATED IN ACCORDANCE WITH THE N CONTACT WITH THE GROUND IS TO CONFORM WITH THE R317.3.1 OF THE CODE FOR APPROVED FASTENERS IN

> ROOF BRACES, JACK STUDS, BEAM SUPPORTS -WHETHER WOOD OR SHEATHING ALONE. BLOCKING EQUAL TO OR BETTER THAN THE POINT SUPPORTS ABOVI UST BE CARRIED THROUGH ALL CONSTRUCTION TO THE FOUNDATION. L BE $\frac{7}{16}$ " OSB OR $\frac{15}{32}$ " PLYWOOD ORIENTED LONG SIDE VERTICALLY. SHEATHING WIT D NAILS ($2\frac{1}{2}$ "X 0.131") AT 6" O.C. ALONG PANEL EDGES AND 12" O.C. AMING UNLESS OTHERWISE NOTED, CARE SHOULD BE TAKEN TO SET N AIR PRESSURE CORRECTLY SO AS NOT TO OVERDRIVE THE NAILHEAD J OTHER FASTENERS APPROVED PER TABLE R602.3 (1&2) OF THE CODE MAY

ERED WOOD SHEAR WALLS AND PORTAL FRAMES REQUIRE INSPECTION OF PRIOR TO CONCEALING THEM WITH HOUSEWRAP OR CLADDING. IT IS THE CONTRACTORS RESPONSIBILITY TO CONTACT THE ENGINEER AT THE PROPER TIME TO ALLOW AT ALL STAIRS, EVERY STUD AT EACH STRINGER MUST BE NAILED TO EACH STRINGER WITH A

OF BASE MOLDING DUE TO VERTICAL OSCILLATION OF STAIR STRINGERS. 26. ALL STAIRS ARE TO BE DESIGNED BY MANUFACTURER. THE SCOPE OF THIS ENGINEERED DESIGN 27. ALL "SELF SUPPORTING STAIRS" MUST BE CONNECTED TO ADEQUATE FRAMING TO SUPPORT THE LOAD OF THE STAIR CASE. IT IS THE STAIR MANUFACTURER'S RESPONSIBILITY TO PROVIDE THE E.O.R. WITH ALL POINT LOADS PRIOR TO CONSTRUCTION. ALL STAIRS SHALL BE DESIGNED BY THE

HEADERS AND LINTELS:

. SEE SECTION R703.8.3 FOR LINTEL SPAN REQUIREMENTS. WHEN SPANS EXCEED THE CODE'S REQUIREMENTS, FASTEN L4"X4" X_{16}^{5} " STEEL ANGLE TO WOOD HEADER WITH $\frac{1}{2}$ "ØX4" GALVANIZED LAG SCREWS @ 16"O.C. EXTEND ALL ANGLES 6" PAST OPENING TO BEAR ON MASONRY VENEER AT

- FNDS 2. WHEN STRUCTURAL STEEL BEAMS WITH BOTTOM PLATES ARE USED TO SUPPORT MASONRY, THE BOTTOM PLATE MUST EXTEND THE FULL LENGTH OF THE STEEL BEAM. THIS PROVIDES SUPPORT TO THE ENDS OF THE PLATE BY BEARING ON THE ADJACENT MASONRY JAMBS. THE BEAM SHOULD BE TEMPORARILY SHORED PRIOR TO LAYING THE MASONRY. THE SHORING MAY BE REMOVED FIVE DAYS AFTER LAYING THE MASONRY. 3. ALL BRICK VENEER OVER LOWER ROOFS (BRICK CLIMBS) MUST HAVE A STRUCTURAL ANGLE
- FASTENED TO AN ADJACENT STUD WALL IN ACCORDANCE WITH SECTION R703.8.2.1 OF THE CODE OR THE DETAIL ON THE PLAN WITH STEEL BRICK STOPS TO PREVENT SLIDING OF BRICK 4. ALL "SELF-SUPPORTING MASONRY ARCHES" TO BE DESIGNED AND INSTALLED PER MASONRY CONTRACTOR.

ROOF CONSTRUCTION

- 1. IN ADDITION TO THE CODE'S FASTENER SCHEDULE, UNLESS NOTED OTHERWISE ON THE PLAN INSTALL SIMPSON SDWC15600 SCREWS OR H1 OR H2.5A HURRICANE CLIPS AT THE ENDS OF THE RAFTERS WHERE THEY BEAR ON THE WALL PLATE @ 48" O.C. ON OPEN ROOF AREAS, SUCH AS PORCHES, INSTALL SIMPSON CONNECTOR AT EACH RAFTER. FASTEN HURRICANE CLIPS TO THE OUTSIDE OF THE WALL PLATE WITH 8d COMMON NAILS AND TO THE RAFTER OR TRUSS WITH 8dX13/" NAILS. INSTALLING OVER WALL SHEATHING IS ACCEPTABLE.
- 2. ALL ROOF TRUSSES MUST BE INSTALLED IN ACCORDANCE WITH TRUSS MANUFACTURERS' REQUIREMENTS. TRUSS DESIGNS AND LAYOUT SHALL BE SUBMITTED TO ENGINEER OF RECORD FOR APPROVAL. CONNECTIONS TO RESIST UPLIFT SHALL BE INSTALLED WHERE REQUIRED. WHEN ROOF TRUSS MANUFACTURERS DO NOT PROVIDE THE REQUIRED CONNECTORS, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE ROOF TRUSS ENGINEER OR THE ENGINEER OF RECORD TO PROVIDE AN ADEQUATE CONNECTOR. WHEN NO CONNECTIONS ARE REQUIRED BY THE MANUFACTURER INSTALL SIMPSON H1 OR H2.5A CONNECTORS AT EACH END OF THE TRUSS AS A
- MINIMUM. 3. UNLESS OTHERWISE NOTED ON THE PLANS, RAFTERS SHALL BE 2X6 SPF#2 @ 16" O/C FOR SHINGLES WITH TR OSB SHEATHING WITH ONE LAYER OF 15# FELT UNLESS NOTED OTHERWISE. THEY ARE TO BE CUT INTO HIPS, RIDGES, ETC., UNLESS NOTED OTHERWISE. TILE, SLATE AND OTHER HEAVY ROOF COVERINGS SHALL USE 2X8 SPF#2 @ 16" O/C WITH $\frac{3}{4}$ " MINIMUM SHEATHING WITH (2) LAYERS OF 15# FELT, OR AS RECOMMENDED BY THE ROOF COVERING MANUFACTURER.
- 4. ALL RAFTERS FRAMING INTO STRUCTURAL RIDGE BEAMS (RIDGES WITHOUT CEILING TIES), SHALL BE CONNECTED WITH THREE 3"X 0.131" TOE-NAILS FOR SPANS UP TO 8 FT. AND A SIMPSON LRU28 HANGER OR A34 BRACKET FOR SPANS GREATER THAN 8 FT. 5. VAULTED CEILINGS REQUIRE SPECIAL RAFTER TIES OR A STRUCTURAL RIDGE BEAM PER THE PLANS.
- ALL HIPS, VALLEYS, AND RIDGES ARE 2X10 SPF#2 UNLESS NOTED OTHERWISE. 6. ALL "HOGS" SHALL BE COMPOSED OF TWO 2X6'S OR TWO 2X8'S, AS INDICATED ON THE PLAN. TH BOARDS SHALL BE FASTENED TOGETHER AT THEIR ENDS WITH 3"X0.131" NAILS AT 4" ON CENTER FORM AN "L" SHAPE. SEE THE DETAIL BELOW.
- . RAFTERS MAY BE SPLICED OVER HOGS. SPLICE RAFTER HOGS ONLY AT A ROOF BRACE. 8. GABLE END WALLS WHERE GREATER THAN 6 FT. TALL MUST BE BRACED PARALLEL TO RIDGE MINIMUM OF 2X6 DIAGONAL BRACES @ 6 FT. O.C. ALONG THE GABLE WALL TO INTERIOR CEILIN JOISTS. BRACES TO BEAR ON 2X6 HOGS AND TO THE GABLE WALL AT APPROXIMATELY MID-HEIG 9. WHERE CEILING JOISTS RUN PARALLEL TO GABLE WALLS, INSTALL 2X4X6FT. LO TRONGBACKS
- FLATWISE SPACED AT 6 FT. ON CENTER TYING TO THE TOPS OF EACH CROSSING G JOIST WIT 3-10d NAILS AND TO THE GABLE WALL. 10. ALL ROOF BRACES MUST HAVE A STUD FROM PLATE THROUGH ALL FLOG SUPPORTING BEAM BELOW. NO BRACES SHALL BE ATTACHED TO T DIRECTLY UNDER THEM.

WHEN >26° (2V:1H) ATTACH ROOF BRACE WITH SIMPSON A34 BRACKET AT BASE

PARTITION B

LLS WITH

D. ROOF BRACES

ROOF PLAN LEGEND: A. ⊗ INDICATES LOCATION C OF BRACE POINT AT I ER LEVEL

. ⊗→ARROW AWAY FROM THE **IRECTION OF ROOF BRACE TO PARTITION,** E POINT NDICA BEAM, OR OTHER BRACE POIN TES A VERTICAL OR ALMOST VERTICAL ROOF BRACE TO C. & ARROW INTE

4 BRACKET. SEE DETAIL ABOVE.

T BELOW D WITH 3"X 0.131"NAILS @ 6" O.C. VERTICALLY FROM TOP SHALL CONSIST OF (2)2X6 T-BRACES. BRACES LONGER THAN LONGER THAN TO BOTTOM. BR T BE BRAC HORIZONTALLY IN TWO DIRECTIONS AT MID-HEIGHT.

BRACES THAT ARE NOT WITHIN 26° FROM VERTICAL TO BEAMS OR

MATERIALS SPECIFICATIONS:

CONCRETE GENERAL NOTES:

- SEGREGATION OF THE MIX.
- MAXIMUM, UNIFORMLY DISPE RATE, BUT NOT LESS THAN 4. CONSTRUCTION JOINTS SHALL REINFORCING STEEL SHALL BE CO. CONTRACTION JOIN
- SHALL BE SAWN AS SOON A SHALL COMME SAWING WITH T EXCESSIVE R AFTER THE C CRETE HAS CURE 5. CONCRETE. N DEPOSITED, SH ABOX 90° I FOR COLD

HE FOLL METHODS: CONTINUOUS SPRINKLING ABSORPT WATERPROON APER CONFORMING TO ASTM C171

SHOCK, VIBRATION, OR DAMAGE TO FINISHED SURFACES.

OVER REINFORCING BARS: EXPOSED TO EARTH . EXPOSED TO WEATHER SLABS NOT EXPOSED TO WEATHER . .

MASONRY GENERAL NOTES:

BEAMS AND COLUMNS .

- LOAD-BEARING WALLS OR PARTITIONS.
- PARTS SAND PER ONE PART MIX.
- MUST BE REMOVED BEFORE GROUTING.
- OPENING. SPLICES SHALL OVERLAP NOT LESS THAN 12".

LUMBER GENERAL NOTES: AT 19% MOISTURE CONTENT MATERIAL (psi)

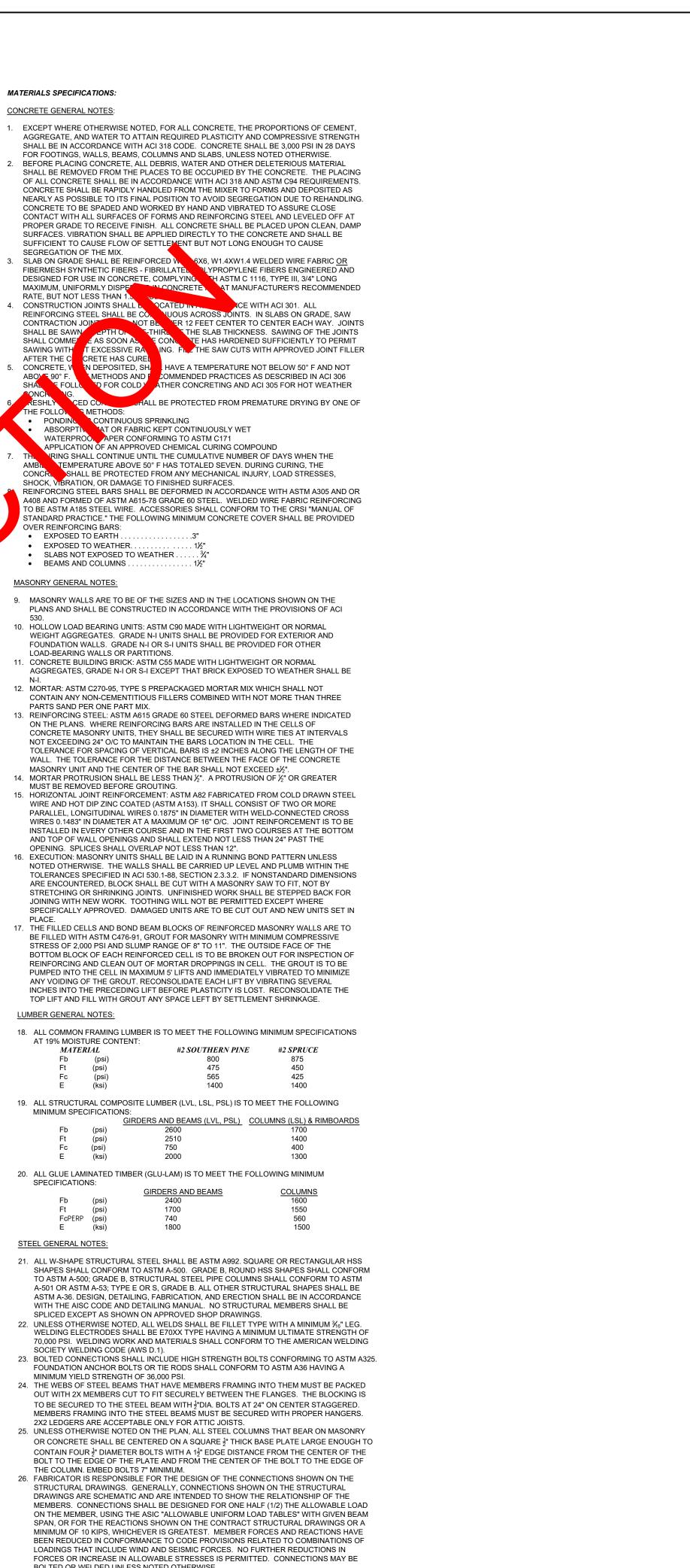
(psi) MINIMUM SPECIFICATIONS:

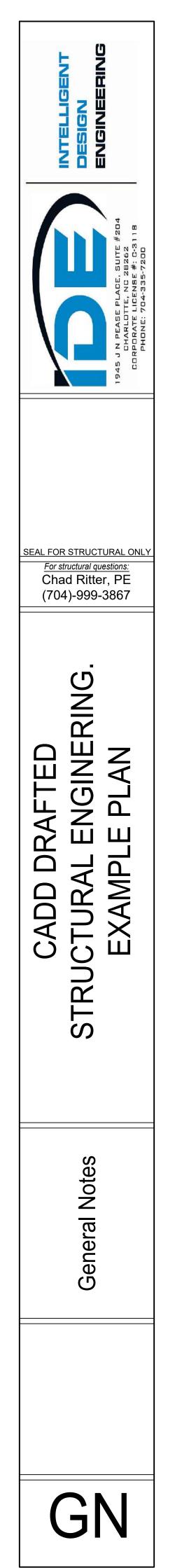
SPECIFICATIONS:

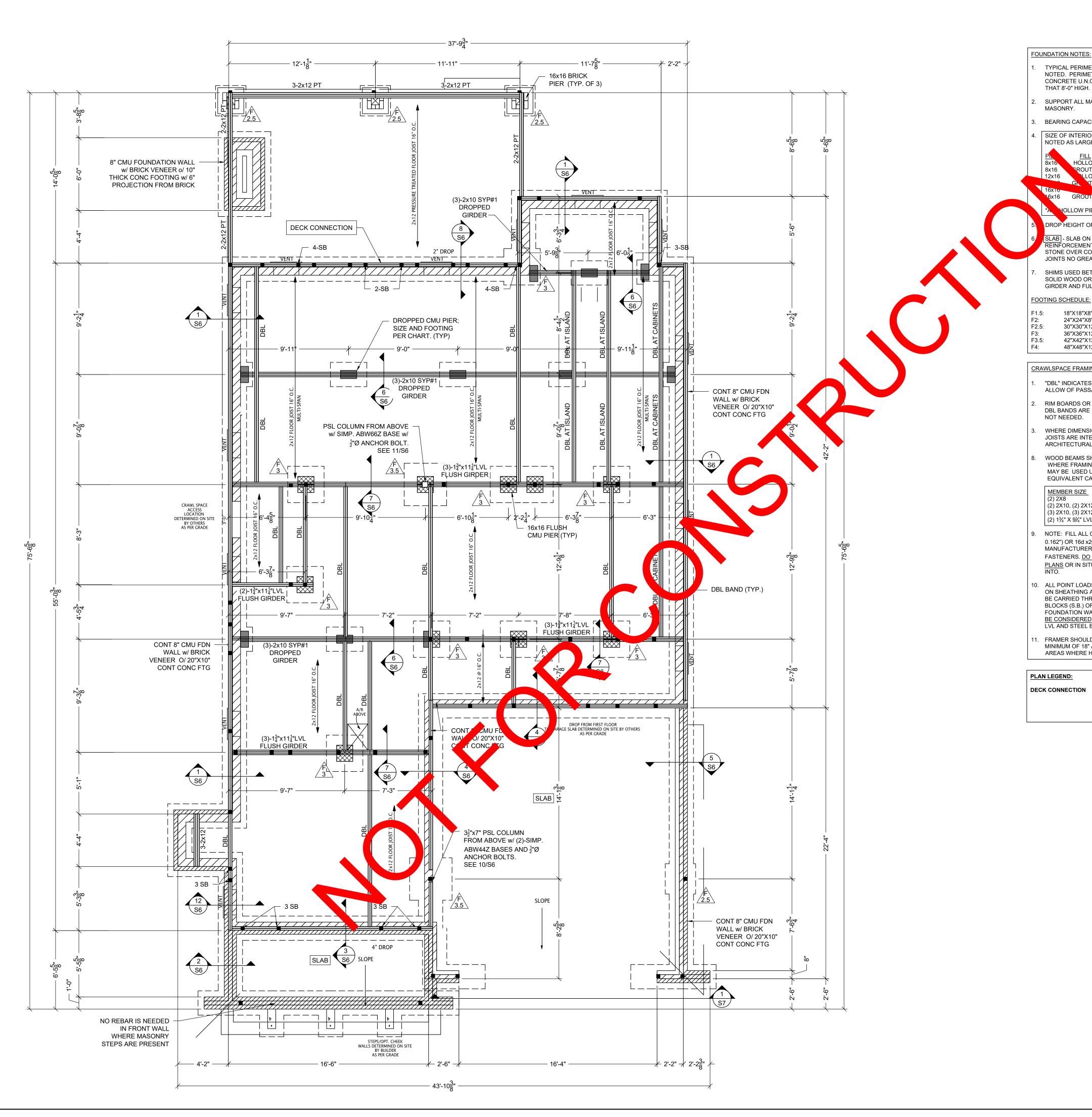
FcPERP (psi) STEEL GENERAL NOTES:

SOCIETY WELDING CODE (AWS D.1). MINIMUM YIELD STRENGTH OF 36,000 PSI.

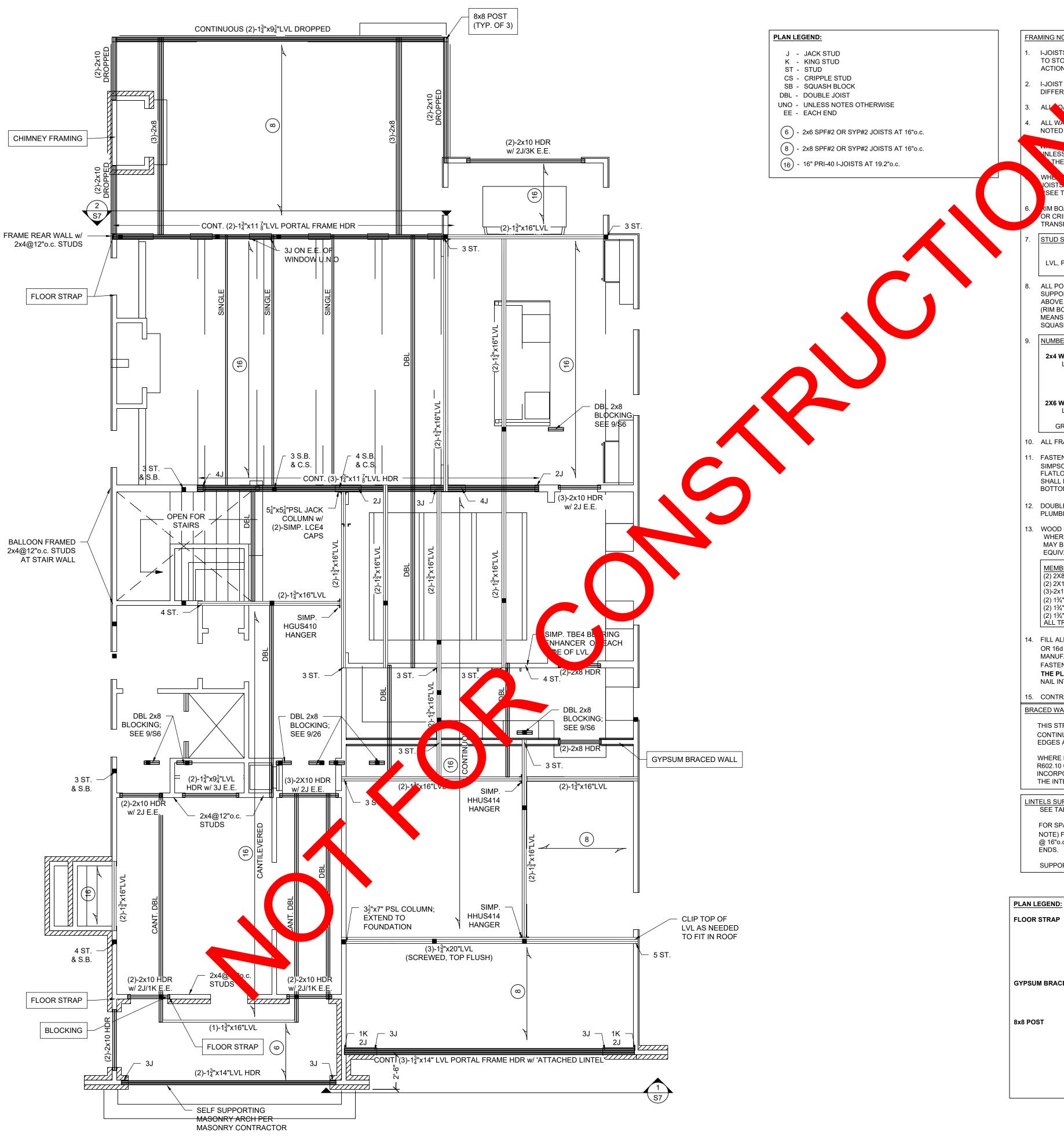
- 2X2 LEDGERS ARE ACCEPTABLE ONLY FOR ATTIC JOISTS.
- THE COLUMN. EMBED BOLTS 7" MINIMUM.
- BOLTED OR WELDED UNLESS NOTED OTHERWISE. 27. ALL SHOP AND FIELD WELDING SHALL BE BY A CERTIFIED WELDER AND SHALL CONFORM TO AWS STANDARDS.



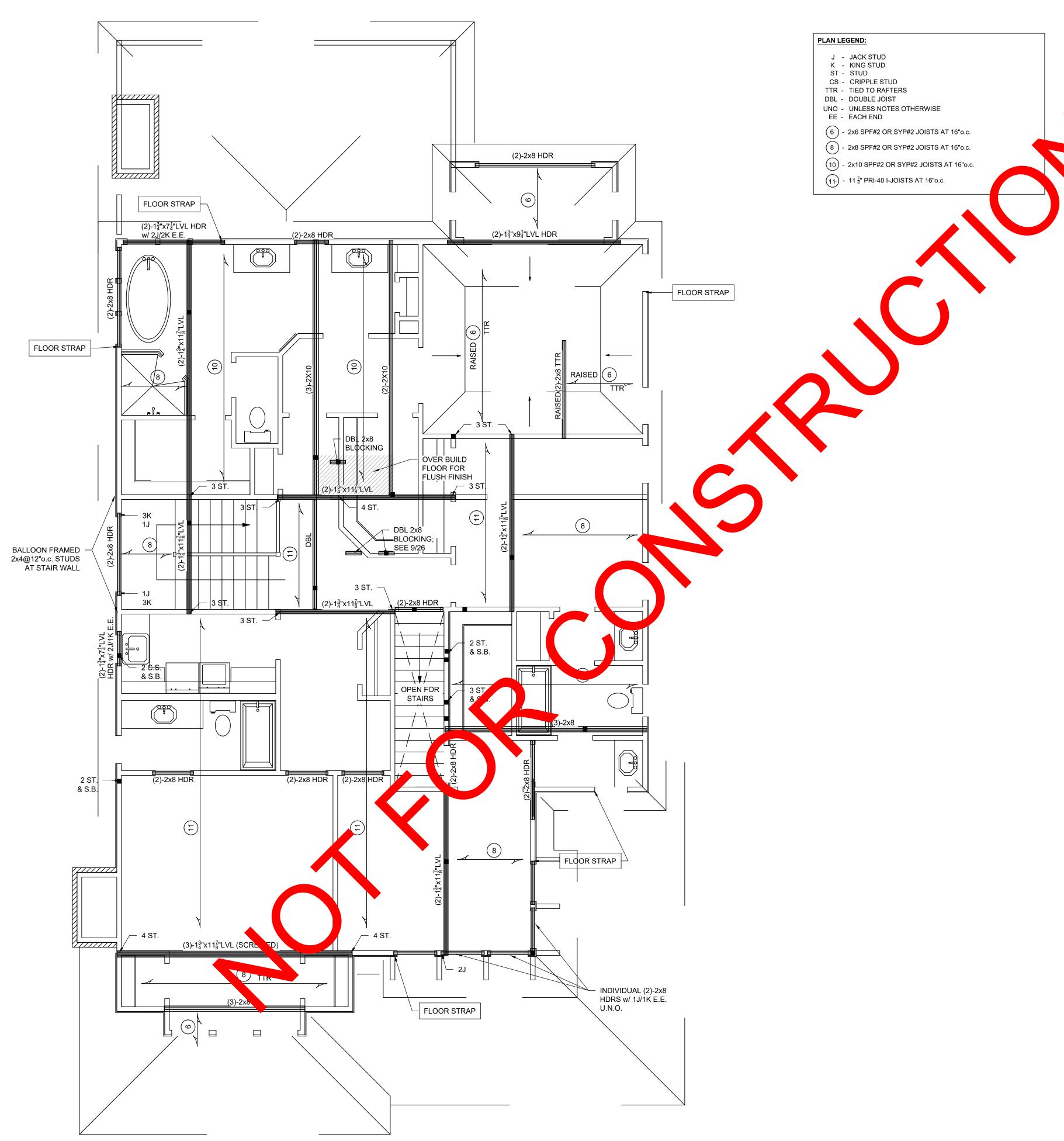




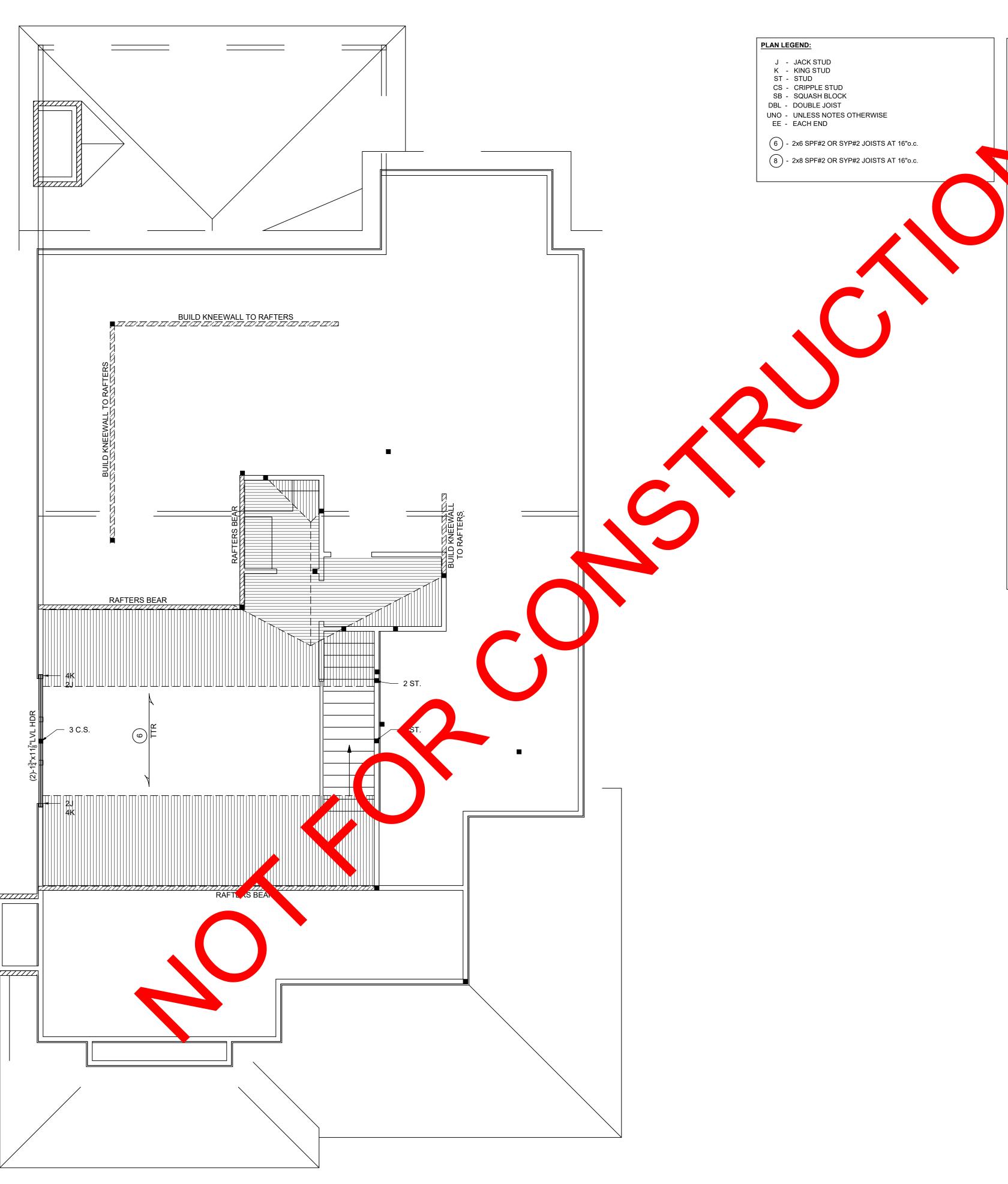
TYPICAL PERIMETER FOUNDATION WALLS TO BE CONTINUOUS 8" CMU UNLESS OTHERWISE NOTED. PERIMETER WALL FOOTINGS SHALL BE CONTINUOUS 20"x10" MINIMUM, 3000 PSI CONCRETE U.N.O. INSTALL 2-#4 CONTINUOUS REBAR WHERE BRICK VENEER IS MORE THAT 8'-0" HIGH. SUPPORT ALL MASONRY STEPS OVER 8" THICK CONC. FOOTING WITH 6" PROJECTION FROM BEARING CAPACITY OF SOIL IS ASSUMED TO BE 2000 PSF. SIZE OF INTERIOR CMU PIERS DEPEND ON HEIGHT AND LOADING. UNLESS OTHERWISE NOTED AS LARGER, CMU PIERS SHALL BE: MAX. HEIGHT CONCRETE FTG IOLLOW 24"x36"x10" 24"x36"x10" ROUTED 80" I OW 48" 24"x36"x10" TED 120" 36"x36"x10" 64" 36"x36"x10" GROUTED 160" 36"x36"x10" HOLLOW PIERS AND WALLS TO HAVE TOP 8" GROUTED. DROP HEIGHT OF SHADED PIERS 9¹/₄" (MIN.) UNLESS OTHERWISE NOTED SLAB - SLAB ON GRADE SHALL CONSIST OF 4" THICK, 3000 PSI CONCRETE WITH FIBERMESH REINFORCEMENT OR 6X6 W1.4XW1.4 WWF. OVER 6 MIL VAPOR BARRIER OVER 4" CLEAN STONE OVER COMPACTED FILL. IN GARAGES AND DRIVEWAYS INSTALL TOOTHED CONTROL JOINTS NO GREATER THAN 12 FEET IN EACH DIRECTION. SHIMS USED BETWEEN MASONRY PIERS AND WOOD GIRDERS SHALL CONSIST OF EITHER SOLID WOOD OR A MINIMUM OF TWO STACKS OF STEEL SHIMS EQUAL IN WIDTH TO THE GIRDER AND FULLY CONTACT AT LEAST 6" THE LENGTH OF THE PIER. 18"X18"X8" 24"X24"X8" 30"X30"X12" 36"X36"X12" WITH 4 #4 BARS EACH WAY 42"X42"X12" WITH 5 #4 BARS EACH WAY. 48"X48"X12" WITH 7 #4 BARS EACH WAY. CRAWLSPACE FRAMING NOTES: SEAL FOR STRUCTURAL ONLY "DBL" INDICATES DOUBLE JOIST. DBL JOISTS CAN BE SEPARATED BY UP TO 3^{1}_{2} " TO For structural questions: ALLOW OF PASSAGE OF PLUMBING PIPES AND ELECTRICAL WIRES. Chad Ritter, PE RIM BOARDS OR BANDS PARALLEL TO FLOOR FRAMING ARE TO BE DOUBLED. WHERE (704)-999-3867 DBL BANDS ARE USED PERPENDICULAR TO FRAMING, INDICATED SQUASH BLOCKS ARE WHERE DIMENSIONS ARE NOT INDICATED, BEAMS THAT RUN PARALLEL TO FLOOR JOISTS ARE INTENDED TO ALIGN UNDER LOAD BEARING WALLS. SEE THE ARCHITECTURAL PLANS FOR DIMENSIONS TO WALLS. WOOD BEAMS SHALL BE SUPPORTED BY METAL HANGERS OF ADEQUATE CAPACITY WHERE FRAMING INTO BEAMS OR LEDGERS. THE FOLLOWING HANGER SCHEDULE **(n** MAY BE USED UNLESS NOTED OTHERWISE ON THE PLAN: (HANGERS WITH EQUIVALENT CAPACITIES TO THOSE LISTED BELOW ARE ALSO ACCEPTABLE) RIN MEMBER SIZE SIMPSON HANGERS LUS 28-2 (2) 2X10, (2) 2X12 LUS 210-2 (3) 2X10, (3) 2X12 LUS 210-3 GINE (2) 1¾" X 9¼" LVL HUS 410 \square NOTE: FILL ALL OF THE HOLES IN BEAM HANGERS WITH <u>16d</u> x $3\frac{1}{2}$ " COMMON NAILS $(3\frac{1}{2}$ "x Ш 0.162") OR 16d x2¹/₂" (2¹/₂"x 0.162") NAILS UNLESS OTHERWISE SPECIFIED BY THE MANUFACTURER. DO NOT BEND OR MODIFY THE HANGER OR USE INAPPROPRIATE FASTENERS. DO NOT USE 10dX 11/2" "HANGER NAILS" UNLESS OTHERWISE NOTED ON THE PLANS OR IN SITUATIONS WHERE ONLY $1\frac{3}{4}$ " OR LESS OF WOOD IS PROVIDED TO NAIL RA ш Ш ALL POINT LOADS FROM ROOF BRACES, JACK STUDS, BEAM SUPPORTS CANNOT BEAR ON SHEATHING ALONE. BLOCKING EQUAL TO THE POINT LOAD SUPPORTS ABOVE MUST BE CARRIED THROUGH ALL CONSTRUCTION TO THE FOUNDATION. INSTALL 2X4 SQUASH \square BLOCKS (S.B.) OF EQUAL NUMBER TO STUDS ABOVE BETWEEN SUBFLOOR AND FOUNDATION WALL OR LOWER PLATE. RIM BOARDS AND I-JOIST BLOCKING SHALL NOT BE CONSIDERED AS AN ACCEPTABLE MEANS OF SUPPORT UNDER POINT LOADS FROM AM ADD UR LVL AND STEEL BEAMS OR WHERE "S.B" IS INDICATED ON THE PLAN. FRAMER SHOULD MAKE EVERY EFFORT TO STAGGER SEAMS OF PLYWOOD SUBFLOOR A MINIMUM OF 18" AWAY FROM JOIST SPLICES AT FLUSH AND DROPPED GIRDERS IN AREAS WHERE HARDWOOD FLOORING IS TO BE USED. Ш C \mathbf{O} \square SECURE DECK JOISTS TO 2X PT BAND WITH METAL HANGERS. Ľ SECURE BAND TO HOUSE BAND WITH 5"Ø GALV. CARRIAGE BOLT AT 16"O.C. AND THREE 12D NAILS AT 8"O.C. OR SELF DRILLING SCREWS AT 6"O.C. STAGGERED. S undation Plan 0 LL



FRAMING NOTES: I-JOISTS ARE DESIGNED TO BE CONTINUOUS IN SOME AREAS. I-JOIST MANUFACTURER TO STOP AND START JOISTS WHERE SHOWN ON PLAN TO ALLOW FOR CONTINUOUS ACTION. I-JOIST SUPPLIER TO CONTACT ENGINEER OF RECORD FOR JOIST APPROVAL IF JOISTS DIFFER FROM THOSE SPECIFIED ON PLANS. ALIONAD BEARING HEADERS SHALL BE (2)2X8 SPF#2 UNLESS NOTED OTHERWISE ALL WA UP TO 10'-2". TALL SHALL BE A MINIMUM OF 2X4 SPF#2 @ 16" o.c. UNLESS NOTED O RWISE ON THE PLAN. 10'-2" AND 13'-2" TALL SHALL BE A MINIMUM OF 2X6 SPF#2 @ 16"o.c. HERWISE ON THE PLAN. TALLER WALLS ARE SPECIFICALLY NOTED NNLESS NOT THE PLAN. DIMENSIONS ARE NOT INDICATED, BEAMS THAT RUN PARALLEL TO FLOOR OIST RE INTENDED TO ALIGN UNDER LOAD BEARING WALLS (SEE THE ARCHITECTURAL PLANS FOR DIMENSIONS TO WALLS) XIM BOARDS AND BANDS PARALLEL TO FLOOR FRAMING TO BE DOUBLED. DBL JOISTS OR CRIPPLES WALLS TO BE INSTALLED BETWEEN STACKING LOAD BEARING WALLS TO TRANSFER LOADING. STUD SUPPORT AT EACH END OF BEAMS/HEADERS UNLESS NOTED OTHERWISE 2x LUMBER = SAME AS NUMBER PLIES FOR BEAMS; 1 FOR HEADERS LVL, PSL, GLU-LAM = 3 STEEL BEAM = 5 ALL POINT LOADS FROM ROOF BRACES, JACK STUDS, AND BEAM SUPPORTS MUST BE SUPPORTED WITH SOLID BLOCKING AND/OR STUDS EQUAL TO THE NUMBER OF STUDS ABOVE ALL THE WAY DOWN TO THE FOUNDATION (1 STUD/2X4 BLOCK MINIMUM) (RIM BOARDS AND I-JOIST BLOCKING <u>SHALL NOT BE CONSIDERED</u> AS AN ACCEPTABLE MEANS OF SUPPORT UNDER POINT LOADS FROM LVL AND STEEL BEAMS OR WHERE SQUASH BLOCKS "S.B" ARE INDICATED NUMBER OF KING STUDS BASED ON OPENING WIDTH: 2x4 WALL SEAL FOR STRUCTURAL ONLY LESS THAN < 3'-9" = 1 KING 3'-9" TO 6'-0" = 2 KINGS 6'-1" TO 8 '-0" = 3 KINGS For structural questions: 8'-1" TO 10'-1" = 4 KINGS Chad Ritter, PE OVER 10'-1" = SEE PLAN (704)-999-3867 2X6 WALL LESS THAN < 5'-0" = 1 KING 5'-1" TO 10'-0" = 2 KINGS GREAT THAN > 10'-1" = SEE PLAN 10. ALL FRAMING MEMBERS TO BE SPF#2 OR SYP#2 UNLESS NOTED OTHERWISE FASTEN ALL TRIPLE PLY LVLs TOGETHER WITH TWO ROWS OF 5" LONG FLATLOK OR SIMPSON SDS SCREWS @ 16" o.c. AND FOUR PLY LVLs WITH TWO ROWS OF $6\frac{3}{4}$ " FLATLOK SCREWS @ 16" o.c. UNLESS NOTED OTHERWISE ON THE PLANS. THE SCREWS SHALL BE LOCATED A MINIMUM OF 2" AND A MAXIMUM OF 3" FROM THE TOP OR RIN BOTTOM OF THE BEAM. . DOUBLE JOISTS CAN BE SEPARATED BY UP TO $3\frac{1}{2}$ " TO ALLOW FOR PASSAGE OF PLUMBING PIPES AND ELECTRICAL WIRES. GINE WOOD BEAMS SHALL BE SUPPORTED BY METAL HANGERS OF ADEQUATE CAPACITY TED WHERE FRAMING INTO BEAMS OR LEDGERS. THE FOLLOWING HANGER SCHEDULE MAY BE USED UNLESS NOTED OTHERWISE ON THE PLAN: (HANGERS WITH EQUIVALENT CAPACITIES TO THOSE LISTED BELOW ARE ALSO ACCEPTABLE) MEMBER SIZE SIMPSON HANGERS LUS 28-2 (2) 2X8 (2) 2X10, (2) 2X12 LUS 210-2 RA (3)-2x10, (3)-2x12 LUS 210-3 ш (2) 1³⁄₄" X 9¹⁄₄" LVL HUS 410 (2) 1¾" X 11½" - 14" LVL HUS 412 (2) 1¾" X 16" - 24"LVL HHUS 410 \square ÀLL TRIPLE LVLs HHUS 5.50/10 FILL ALL OF THE HOLES IN BEAM HANGERS WITH <u>16d x</u> $3\frac{1}{2}$ " COMMON NAILS ($3\frac{1}{2}$ "x 0.162") AM ADD OR 16d x2¹/₂" (2¹/₂"x 0.162") NAILS UNLESS OTHERWISE SPECIFIED BY THE UR MANUFACTURER. DO NOT BEND OR MODIFY THE HANGER OR USE INAPPROPRIATE FASTENERS. DO NOT USE 10dX 1¹/₂" "HANGER NAILS" UNLESS OTHERWISE NOTED ON THE PLANS OR IN SITUATIONS WHERE ONLY $1\frac{3}{4}$ " OR LESS OF WOOD IS PROVIDED TO NAIL INTO. Ш C 15. CONTRACTOR RESPONSIBLE FOR ALL WATERPROOFING AND FLASHING. \bigcirc BRACED WALL LINE NOTE: THIS STRUCTURE HAS BEEN ANALYZED FOR LATERAL LOADING USING M CONTINUOUSLY SHEATHED ⁷/₁₆" OSB WALL SHEATHING USING 8d NAILS AT 6" o.c. ALONG EDGES AND 12" o.c. AT INTERMEDIATE FRAMING. BLOCK AND NAIL ALL PANEL EDGES. WHERE BRACED WALLS DO NOT MEET THE PRESCRIPTIVE REQUIREMENTS OF SECTION S R602.10 OF THE CODE, IT HAS BEEN ANALYZED BY ENGINEERING ANALYSIS INCORPORATING ENGINEERED LATERAL BRACING ELEMENTS WHERE NEEDED TO MEET THE INTENT OF THE CODE. <u>SEE PLANS FOR ALL NOTES AND DETAILS.</u> LINTELS SUPPORTING MASONRY VENEER SEE TABLE R703.8.3.1 FOR SIZE OF "LOOSE" STEEL LINTEL FOR SPANS UP TO 10'. FOR SPANS GREATER THAN 10' (OR WHERE SHOWN ON PLANS BY 'ATTACHED LINTEL' NOTE) FASTEN L4"X4"X $\frac{5}{16}$ " STEEL ANGLE TO WOOD HEADER WITH $\frac{1}{2}$ "ØX4" LAG SCREWS @ 16"o.c. EXTEND ALL ANGLES 6" PAST OPENING TO BEAR ON MASONRY VENEER AT SUPPORT ALL BRICK CLIMBS PER DETAIL ON PLANS OR R703.8.2 AND FIGURE 703.8.2.1 Floor Plan Framing ond Э С FOR UPPER LEVELS, SECURE LOWER PORTION OF CURRENT LEVEL STUDS TO STUDS BELOW WITH VERTICAL SIMPSON 40" Floor LONG CS20 (MIN.) COIL STRAP. pu First FOR CRAWLSPACE FOUNDATIONS, SECURE TO RIM BOARD WITH VERTICAL SIMPSON LSTA24 STRAP OR 24" LONG CS18 (MIN.) COIL σ STRAP. **GYPSUM BRACED WALL-** SHEATHE BOTH SIDES OF WALL WITH $\frac{1}{2}$ " GYPSUM FASTENED TO STUDS W/ 5d COOLER NAILS OR #6 SCREWS @ 7" o.c. ALONG PANEL EDGES AND IN FIELD. SEE PLANS FOR CONNECTION DETAILS. 8x8 PT OR CEDAR POST WITH TWO SIMPSON LCE4 CAPS AT CORNER POSTS AND TWO SIMPSON AC6 CAPS AT INTERMEDIATE POSTS (BLOCK AS NEEDED) OR NOTCHED FOR BEAM SEAT w/ (2)-5/8"Ø GALV. CARRIAGE BOLTS. IF WOOD FRAMING BELOW, SECURE WITH SAME CAPS AT BOTTOM; IF CONC. OR MASONRY BELOW, SECURE WITH SIMPSON CPS7 BASE WITH & "Ø THREADED ROD EPOXY SET INTO POST AND MASONRY PER MANUF. SPECS.

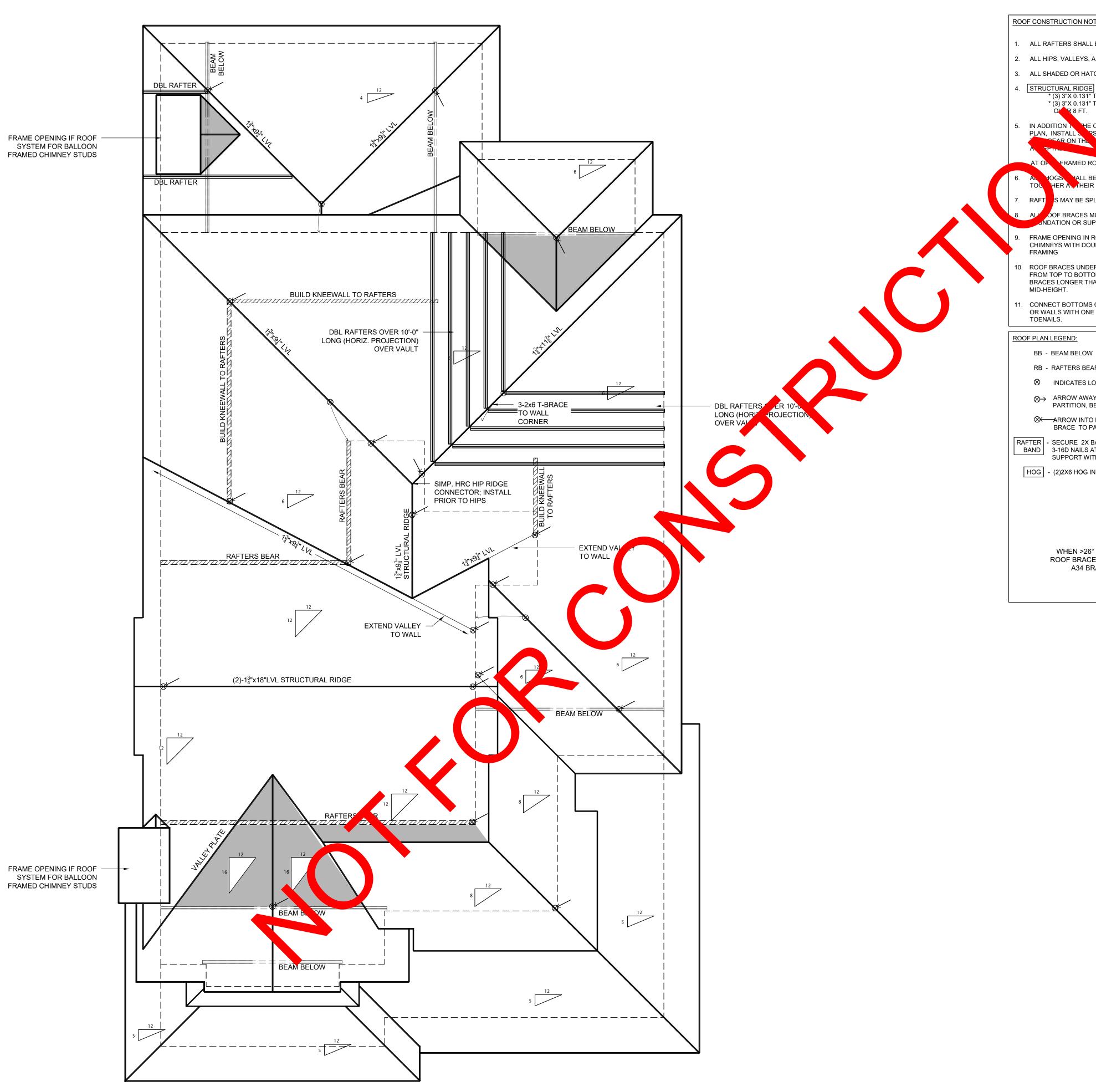


	AN LEGEND: DOR STRAP -	LEVEL STUDS TO STUDS BELC LONG CS20 (MIN.) COIL STRAF FOR CRAWLSPACE FOUNDAT	LOWER PORTION OF CURRENT DW WITH VERTICAL SIMPSON 40" 2. ONS, SECURE TO RIM BOARD WI TRAP OR 24" LONG CS18 (MIN.) C		Second Floor Plan and Third Floor Framing
	NOTE) FASTEN L4"X4 @ 16"o.c. EXTEND AL ENDS.	R THAN 10' (OR WHERE SHOWN OF X_{16}^{5} STEEL ANGLE TO WOOD HEAL ANGLES 6" PAST OPENING TO BICLIMBS PER DETAIL ON PLANS O	DER WITH ¹ / ₂ "ØX4" LAG SCREWS EAR ON MASONRY VENEER AT		nd Floor ind Third Framing
	EDGES AND 12" o.c. A WHERE BRACED WAL R602.10 OF THE CODE INCORPORATING END THE INTENT OF THE C THE INTENT OF THE C	T INTERMEDIATE FRAMING. <u>BLOC</u> LS DO NOT MEET THE PRESCRIPT E, IT HAS BEEN ANALYZED BY ENG SINEERED LATERAL BRACING ELE CODE. <u>SEE PLANS FOR ALL NOTE</u>	K AND NAIL ALL PANEL EDGES. IVE REQUIREMENTS OF SECTION INEERING ANALYSIS MENTS WHERE NEEDED TO MEET S AND DETAILS.		STI
BRA	ACED WALL LINE NOTE	S BEEN ANALYZED FOR LATERAL	LOADING USING		ВUC. П
4.	OR 16d x2 ¹ / ₂ " (2 ¹ / ₂ "x 0.16 MANUFACTURER. DO FASTENERS. DO NO	ES IN BEAM HANGERS WITH <u>16d</u> 2") NAILS UNLESS OTHERWISE SI NOT BEND OR MODIFY THE HAN I USE 10dX 1½" "HANGER NAILS" TUATIONS WHERE ONLY 1 ³ / ₄ " OR LE	PECIFIED BY THE GER OR USE INAPPROPRIATE UNLESS OTHERWISE NOTED ON		TURAL XAMPI
	MEMBER SIZE (2) 2X8 (2) 2X10, (2) 2X12 (3)-2x10, (3)-2x12 (2) 1¾" X 9¼" LVL (2) 1¾" X 11%" - 14" I (2) 1¾" X 16" - 24"LV ALL TRIPLE LVLs	SIMPSON HANGERS LUS 28-2 LUS 210-2 LUS 210-3 HUS 410 .VL HUS 412			ENG PIGNG
	PLUMBING PIPES AN WOOD BEAMS SHAL WHERE FRAMING IN MAY BE USED UNLI	I BE SEPARATED BY UP TO $3^{1"}_{2}$ " TO D ELECTRICAL WIRES. L BE SUPPORTED BY METAL HANG ITO BEAMS OR LEDGERS. THE FO ESS NOTED OTHERWISE ON THE F CITIES TO THOSE LISTED BELOW A	ERS OF ADEQUATE CAPACITY LLOWING HANGER SCHEDULE PLAN: (HANGERS WITH		TED SINERIN -AN
1.	FASTEN ALL TRIPLE SIMPSON SDS SCRE FLATLOK SCREWS @ SHALL BE LOCATED BOTTOM OF THE BE/	PLY LVLs TOGETHER WITH TWO R WS @ 16" o.c. AND FOUR PLY LVLs) 16" o.c. UNLESS NOTED OTHERW A MINIMUM OF 2" AND A MAXIMUM AM.	OWS OF 5" LONG FLATLOK OR WITH TWO ROWS OF 6¾" ISE ON THE PLANS. THE SCREWS OF 3" FROM THE TOP OR		О И
١.	OVER 10 2X6 WALL LESS THAN < 5'-1" TO GREAT THAN >	'-1" = SEE PLAN 5'-0" = 1 KING 10'-0" = 2 KINGS 10'-1" = SEE PLAN ERS TO BE SPF#2 OR SYP#2 UNLE	SS NOTED OTHERWISE		(704)-999-3867
	2x4 WALL LESS THAN < 3'-9" TO 6 6'-1" TO 8 8'-1" TO 5	"UDS BASED ON OPENING WIDTH: 3'-9" = 1 KING 5'-0" = 2 KINGS 3'-0" = 3 KINGS 10'-1" = 4 KINGS			SEAL FOR STRUCTURAL O <u>For structural questions:</u> Chad Ritter, PE
	ALL POINT LOADS FF SUPPORTED WITH S ABOVE ALL THE WAY (RIM BOARDS AND I- MEANS OF SUPPORT SQUASH BLOCKS "S	ROM ROOF BRACES, JACK STUDS, OLID BLOCKING AND/OR STUDS E 7 DOWN TO THE FOUNDATION (1 S JOIST BLOCKING <u>SHALL NOT BE C</u> 7 UNDER POINT LOADS FROM LVL B" ARE INDICATED	QUAL TO THE NUMBER OF STUDS TUD/2X4 BLOCK MINIMUM) <u>ONSIDERED</u> AS AN ACCEPTABLE		
		ACH END OF BEAMS/HEADERS U = SAME AS NUMBER PLIES FO = 3			
	JOISTS ARE INTEND (SEE THE ARCHITE) RIM BOARDS AND BA	S ARE NOT INDICATED, BEAMS TH ED TO ALIGN UNDER LOAD BEARIN CTURAL PLANS FOR DIMENSIONS NDS PARALLEL TO FLOOR FRAMI S TO BE INSTALLED BETWEEN STA	IG WALLS TO WALLS) NG TO BE DOUBLED. DBL JOISTS		1945 J N PEA
	TED OTHERWISE	'-2". TALL SHALL BE A MINIMUM OI ON THE PLAN. '-2" AND 13'-2" TALL SHALL BE A M ERWISE ON THE PLAN. TALLER W	NIMUM OF 2X6 SPF#2 @ 16"o.c.		
	DIFFER FROM THOS) CONTACT ENGINEER OF RECOR E SPECIFIED ON PLANS. HEADERS SHALL BE (2)2X8 SPF#2			E #204
		NED TO BE CONTINUOUS IN SOME			INTELLIGI DESIGN ENGINEE



FRA	MING NOTES:			
1.	"T.T.R" INDICATES "TIE (CEILING JOIST) TO RAFTER WITH FOUR 3"X0.131" NAILS)			
2.	ALL LOAD BEARING HEADERS SHALL BE (2)2X8 SPF#2 UNLESS NOTED OTHERWISE			
3.	ALL WALLS UP TO 10'-2". TALL SHALL BE A MINIMUM OF 2X4 SPF#2 @ 16" o.c. UNLESS NOTED OTHERWISE ON THE PLAN.			
	WALLS BETWEEN 10'-2" AND 13'-2" TALL SHALL BE A MINIMUM OF 2X6 SPF#2 @ 16"o.c. UNLESS NOTED OTHERWISE ON THE PLAN. TALLER WALLS ARE SPECIFICALLY NOTED THE PLAN.			
4.	STUE SUPPORT AT EACH END OF BEAMS/HEADERS UNLESS NOTED OTHERWISE			
	X LUMBER = SAME AS NUMBER PLIES FOR BEAMS; 1 FOR HEADERS LVL, PSL, GLU-LAM = 3 STEEL BEAM = 5			
5.	ALL POINT LOADS FROM ROOF BRACES, JACK STUDS, AND BEAM SUPPORTS MUST BE SUPPORTED WITH SOLID BLOCKING AND/OR STUDS EQUAL TO THE NUMBER OF STUDS ABOVE ALL THE WAY DOWN TO THE FOUNDATION (1 STUD/2X4 BLOCK MINIMUM) (RIM BOARDS AND I-JOIST BLOCKING <u>SHALL NOT BE CONSIDERED</u> AS AN ACCEPTABLE MEANS OF SUPPORT UNDER POINT LOADS FROM LVL AND STEEL BEAMS OR WHERE SQUASH BLOCKS "S.B" ARE INDICATED			
6.	NUMBER OF KING STUDS BASED ON OPENING WIDTH:			
	2x4 WALL LESS THAN < 3'-9" = 1 KING 3'-9" TO 6'-0" = 2 KINGS 6'-1" TO 8 '-0" = 3 KINGS 8'-1" TO 10'-1" = 4 KINGS OVER 10'-1" = SEE PLAN 2X6 WALL			
	LESS THAN < 5'-0" = 1 KING			
	5'-1" TO 10'-0" = 2 KINGS GREAT THAN > 10'-1" = SEE PLAN			
7.	ALL FRAMING MEMBERS TO BE SPF#2 OR SYP#2 UNLESS NOTED OTHERWISE			
8.	WOOD BEAMS SHALL BE SUPPORTED BY METAL HANGERS OF ADEQUATE CAPACITY WHERE FRAMING INTO BEAMS OR LEDGERS. THE FOLLOWING HANGER SCHEDULE MAY BE USED UNLESS NOTED OTHERWISE ON THE PLAN: (HANGERS WITH EQUIVALENT CAPACITIES TO THOSE LISTED BELOW ARE ALSO ACCEPTABLE)			
	MEMBER SIZE SIMPSON HANGERS (2) 2X8 LUS 28-2 (2) 2X10, (2) 2X12 LUS 210-2 (3)-2x10, (3)-2x12 LUS 210-3 (2) 1¾" X 9¾" LVL HUS 410 (2) 1¾" X 11¾" - 14" LVL HUS 412 (2) 1¾" X 16" - 24"LVL HHUS 410 ALL TRIPLE LVLs HHUS 5.50/10			
9.	FILL ALL OF THE HOLES IN BEAM HANGERS WITH <u>16d x</u> $3\frac{1}{2}$ " COMMON NAILS ($3\frac{1}{2}$ "x 0.162") OR 16d x $2\frac{1}{2}$ " ($2\frac{1}{2}$ "x 0.162") NAILS UNLESS OTHERWISE SPECIFIED BY THE MANUFACTURER. DO NOT BEND OR MODIFY THE HANGER OR USE INAPPROPRIATE FASTENERS. DO NOT USE 10dX 1½" "HANGER NAILS" UNLESS OTHERWISE NOTED ON THE PLANS OR IN SITUATIONS WHERE ONLY $1\frac{3}{4}$ " OR LESS OF WOOD IS PROVIDED TO NAIL INTO.			
12.	CONTRACTOR TO PROVIDE 22"x30" MIN. ACCESS TO ATTIC AREAS MORE THAN 400 SF.			
13.	CONTRACTOR RESPONSIBLE FOR ALL WATERPROOFING AND FLASHING.			
14.	SEE ARCHITECTURAL PLANS FOR ALL DIMENSIONS.			

FOUR 3"X0.131" NAILS) ALESS NOTED OTHERWISE X4 SPF#2 @ 16" o.c. UNLESS MUM OF 2X6 SPF#2 @ 16"o.c. LS ARE SPECIFICALLY NOTED ESS NOTED OTHERWISE BEAMS; 1 FOR HEADERS ND BEAM SUPPORTS MUST BE JAL TO THE NUMBER OF STUDS JD/2X4 BLOCK MINIMUM) <u>ISIDERED</u> AS AN ACCEPTABLE ND STEEL BEAMS OR WHERE	1945 JN PEASE PLACE, SUITE #204 1945 JN PEASE PLACE, SUITE #204
S NOTED OTHERWISE RS OF ADEQUATE CAPACITY OWING HANGER SCHEDULE N: (HANGERS WITH E ALSO ACCEPTABLE) Z'' COMMON NAILS (3 ¹ / ₂ "x 0.162") CIFIED BY THE R OR USE INAPPROPRIATE	SEAL FOR STRUCTURAL ONLY <u>For structural questions:</u> Chad Ritter, PE (704)-999-3867
ILESS OTHERWISE NOTED ON S OF WOOD IS PROVIDED TO IC AREAS MORE THAN 400 SF. 3 AND FLASHING.	CADD DRAFTED STRUCTURAL ENGINERING. EXAMPLE PLAN
	Third Floor Plan
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ROOF CONSTRUCTION NOTES:

1. ALL RAFTERS SHALL BE 2X6 SPF#2 @ 16" o.c. UNLESS NOTED OTHERWISE 2. ALL HIPS, VALLEYS, AND RIDGES ARE 2X10 SPF#2 UNLESS NOTED OTHERWISE

3. ALL SHADED OR HATCHED AREAS INDICATE ROOF OVERBUILDS

4. STRUCTURAL RIDGE - FASTEN ALL RAFTERS INTO THE STRUCTURAL RIDGE BEAMS WITH: * (3) 3"X 0.131" TOE-NAILS FOR SPANS UP TO 8 FT. * (3) 3"X 0.131" TOE-NAILS AND A BEVELED 2x LEDGER, OR SIMPSON A34 OR L50 ANGLE R 8 FT

IN ADDITION THE CODES FASTENER SCHEDULE, UNLESS NOTED OTHERWISE ON THE PLAN, INSTALL STRESON H2.5A HURRICANE CLIPS AT THE ENDS OF THE RAFTERS WHERE

FRAMED ROOFS, SUCH AS PORCHES, INSTALL HURRICANE CLIPS AT EACH RAFTER.

ALL BE COMPOSED OF TWO 2X6'S. THE BOARDS SHALL BE FASTENED HER A, THEIR ENDS WITH 3"X0.131" NAILS AT 4" ON CENTER TO FORM AN "L" SHAPE. S MAY BE SPLICED OVER HOGS. SPLICE RAFTER HOGS ONLY AT A ROOF BRACE. OOF BRACES MUST HAVE A STUD FROM PLATE THROUGH ALL FLOORS TO THE JNDATION OR SUPPORTING BEAM BELOW.

FRAME OPENING IN ROOF SYSTEM FOR BALLOON FRAMED STUDS OR MASONRY FORMING CHIMNEYS WITH DOUBLE MEMBERS. CHIMNEY FRAMING IS **NOT** TO BE SUPPORTED BY ROOF

ROOF BRACES UNDER 7'-0" ARE 2-2X4 NAILED WITH 3"X 0.131"NAILS @ 6" o.c. VERTICALLY FROM TOP TO BOTTOM. BRACES LONGER THAN 7'-0" SHALL CONSIST OF (2)2X6 T-BRACES. BRACES LONGER THAN 12 FT. MUST BE BRACED HORIZONTALLY IN TWO DIRECTIONS AT

. CONNECT BOTTOMS OF ALL BRACES THAT ARE NOT WITHIN 26° FROM VERTICAL TO BEAMS OR WALLS WITH ONE SIMPSON A34 BRACKET, OTHERWISE CONNECT WITH FOUR 3"X 0.131"

RB - RAFTERS BEAR ON WALL BELOW

 \otimes INDICATES LOCATION OF ROOF BRACE POINT AT RAFTER LEVEL.

 \otimes ARROW AWAY FROM THE BRACE POINT INDICATES DIRECTION OF ROOF BRACE TO PARTITION, BEAM, OR OTHER BRACE POINT BELOW.

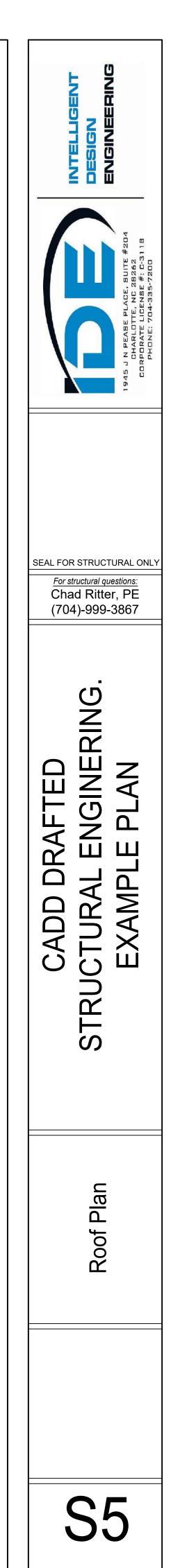
⊗ ARROW INTO BRACE POINT INDICATES A VERTICAL OR ALMOST VERTICAL ROOF BRACE TO PARTITION, BEAM, OR OTHER BRACE POINT BELOW.

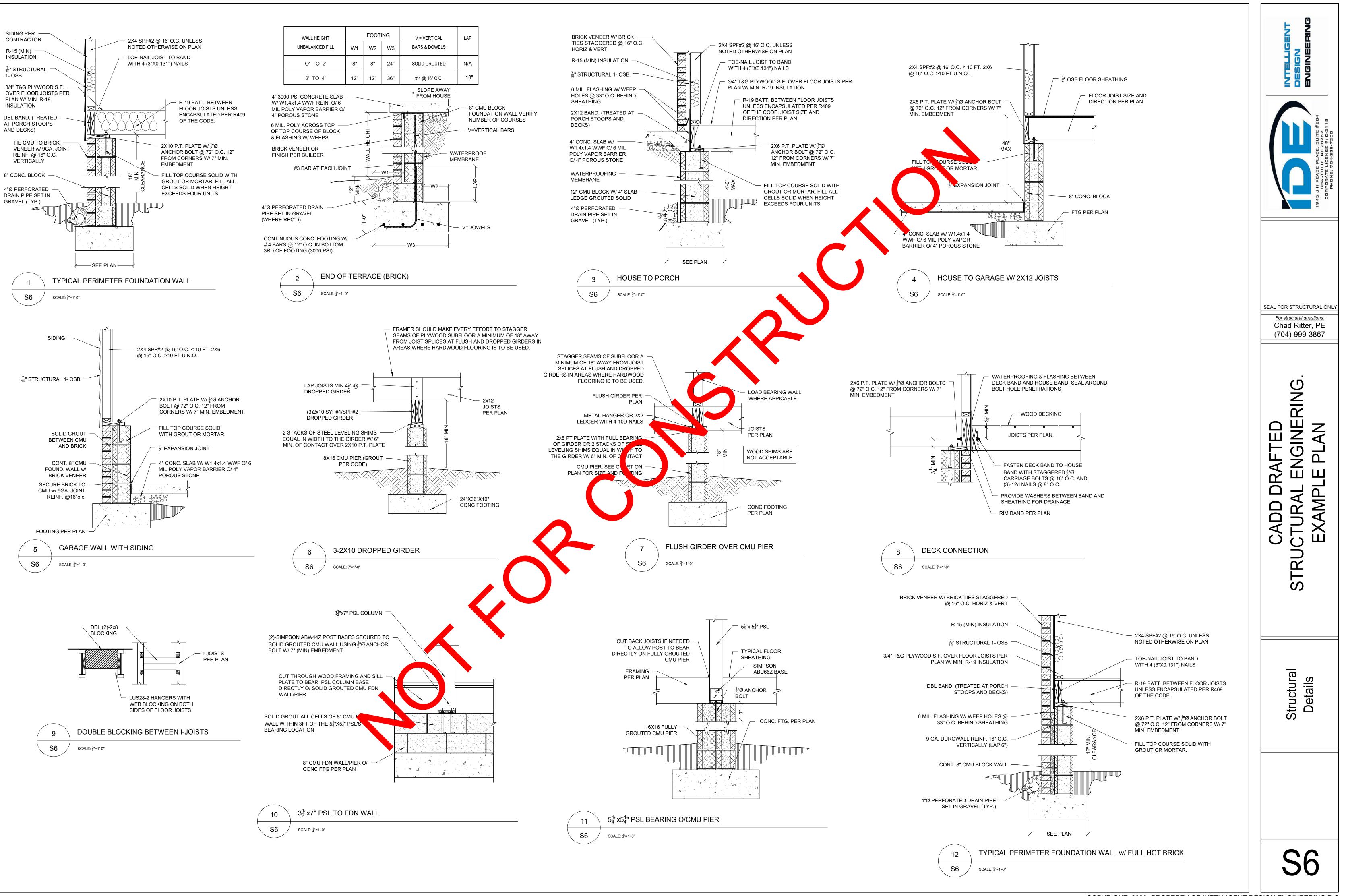
RAFTER - SECURE 2X BAND (ONE SIZE LARGER THAN RAFTER) TO HOUSE STUDS/BAND WITH BAND 3-16D NAILS AT 16"o.c. SECURE EACH RAFTER TO BAND WITH 3-8D TOENAILS AND SUPPORT WITH SIMPSON A34 OR L50 SIDE ANGLE OR BEVELED 2x LEDGER.

HOG - (2)2X6 HOG INSTALLED AGAINST RAFTERS.

RAFTER HOG - ROOF BRACE (2)2X4 <u><</u> 7 FT., (2)2X6 > 7 FT. WHEN >26° (2V:1H) ATTACH -----ROOF BRACE WITH SIMPSON A34 BRACKET AT BASE

RAFTER HOG DETAIL





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