

Vision H&H HOMES - GARAGE RIGHT

PLAN REVISIONS

DESIGNER OF PLANS FOR THIS PROJECT SHALL NOT BE HELD RESPONSIBLE FOR ANY CHANGES TO THESE PLANS MADE BY ANY OTHER PARTY. THE DESIGNER OF PLANS SHALL NOT BE HELD RESPONSIBLE FOR ANY CHANGES TO THESE PLANS MADE BY ANY OTHER PARTY. THE DESIGNER OF PLANS SHALL NOT BE HELD RESPONSIBLE FOR ANY CHANGES TO THESE PLANS MADE BY ANY OTHER PARTY.

CSQ 000083 Inventory Marked



REV	DATE

DRAWINGS ON 11"X17" SHEET ARE ONE HALF THE SCALE NOTED

VISION
H&H HOMES

1514

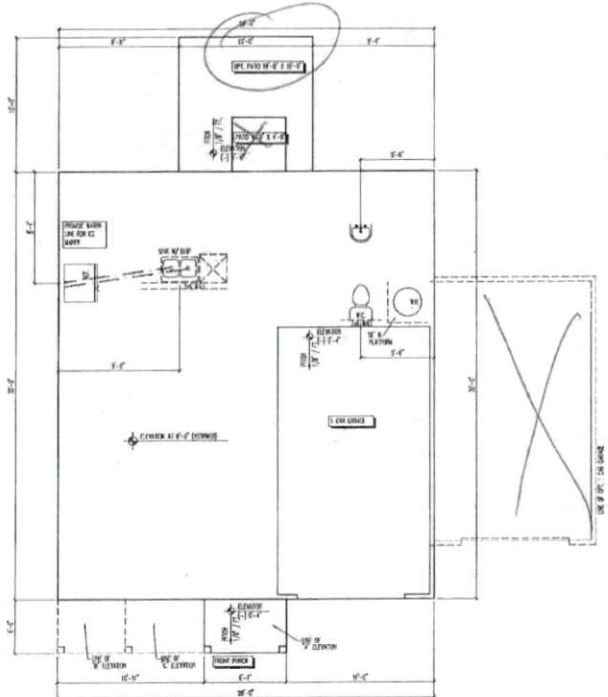
DATE
REVISION LINE

SHEET
CS



DATE	DESCRIPTION

DIMENSIONS ON 1/4" = 1'-0" SHEET ARE ONE HALF THE SCALE NOTED



SLAB INTERFACE PLAN

CONTRACTOR SHALL VERIFY THE QUALITY OF ALL MATERIALS AND WORKMANSHIP AND BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES AND ADJACENT AREAS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES AND ADJACENT AREAS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES AND ADJACENT AREAS.

SEE SHEET FOR ALL DIMENSIONS AND NOTES AT ALL LOCATIONS.

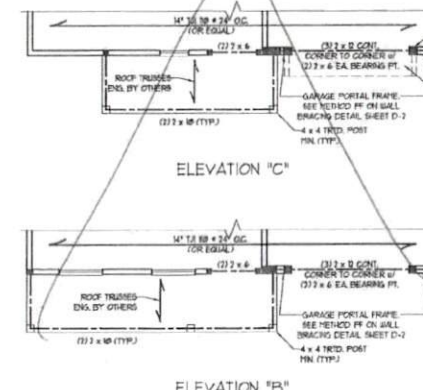
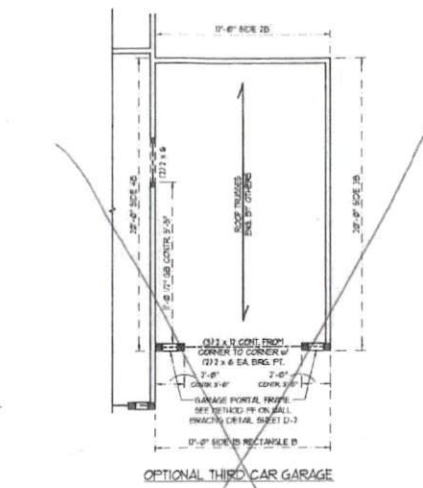
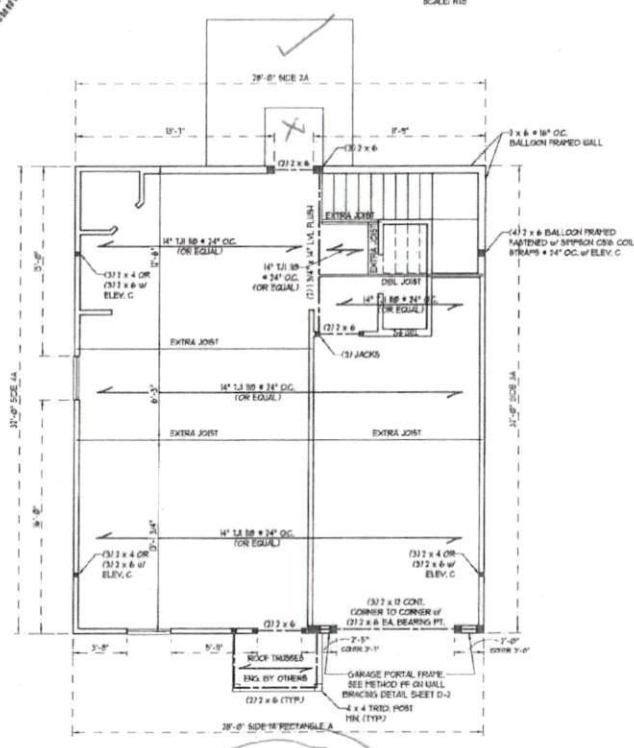
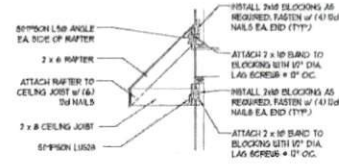
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SLAB INTERFACE PLAN

DATE: 11-11-11
A1.0

GARAGE RIGHT



NOTE: ALL FIRST FLOOR EXTERIOR WALLS ARE TO BE 2 x 4 @ 16\"/>

SCALE NOTE:
LARGE FORMAT PRINTS ARE TO SCALE AS NOTED.
11\"/>

- BRACED WALL DESIGN NOTES:**
- BRACED WALL DESIGN PER SECTION NUMBER OF THE NEAC 2018 EDITION.
 - CS-10P REFERS TO "CONTINUOUS SHEATHING - WOOD STRUCTURAL PANELS" CONTRACTOR IS TO INSTALL 3/4\"/>

BRACED WALL DESIGN

RECTANGLE A		RECTANGLE B	
SIDE 1A	PERIOD: CS-10P	SIDE 1B	PERIOD: CS-10P
TOTAL REQUIRED LENGTH: 11'	TOTAL PROVIDED LENGTH: 11'0"	TOTAL REQUIRED LENGTH: 11'	TOTAL PROVIDED LENGTH: 11'0"
SIDE 2A	PERIOD: CS-10P	SIDE 2B	PERIOD: CS-10P
TOTAL REQUIRED LENGTH: 11'	TOTAL PROVIDED LENGTH: 11'0"	TOTAL REQUIRED LENGTH: 11'	TOTAL PROVIDED LENGTH: 11'0"
SIDE 3A	PERIOD: CS-10P	SIDE 3B	PERIOD: CS-10P
TOTAL REQUIRED LENGTH: 11'	TOTAL PROVIDED LENGTH: 11'0"	TOTAL REQUIRED LENGTH: 11'	TOTAL PROVIDED LENGTH: 11'0"
SIDE 4A	PERIOD: CS-10P	SIDE 4B	PERIOD: CS-10P
TOTAL REQUIRED LENGTH: 11'	TOTAL PROVIDED LENGTH: 11'0"	TOTAL REQUIRED LENGTH: 11'	TOTAL PROVIDED LENGTH: 11'0"

- STRUCTURAL NOTES:**
- ALL FRAMING LUMBER TO BE SPF #1 AND ALL TREATED LUMBER TO BE SPF #1 AND.
 - ALL LOAD BEARING HEADERS TO BE (2) 2 x 4 GRD.
 - INSTALL AN EXTRA JOIST UNDER WALLS PARALLEL TO JOIST JOINS WHERE NOTED ON THE PLANS.
 - SHOULDER AND DOOR HEADERS TO BE SUPPORTED W/ 1/2\"/>

TABLE R601.5

MINIMUM NUMBER OF FULL HEIGHT STUDS AT EACH END OF HEADERS IN EXTERIOR WALLS

HEADER SPAN (FEET)	FASTENED STUD BRACKETS (INCHES PER TABLE HEADINGS)	
	16	24
UP TO 5'	1	1
6'	2	2
7'	3	3
8'	4	4

J.S. THOMPSON ENGINEERING, INC.
AN INDEPENDENT MEMBER OF THE NEAC GROUP
REGISTERED PROFESSIONAL ENGINEER
N.C. LICENSE #42111111

VISION
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VISION 4 of 8
S-2
SECOND FLOOR FRAMING PLAN

SCALE NOTE:
LARGE FORMAT PRINTS ARE TO SCALE AS NOTED.
11" x 17" PRINTS ARE ONE HALF THE NOTED SCALE

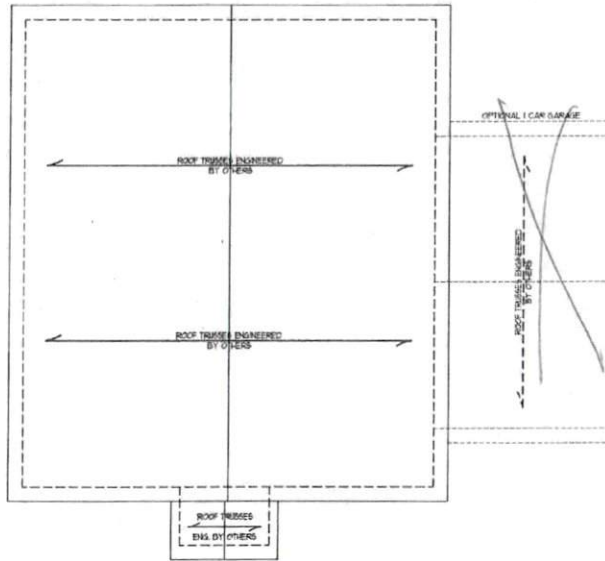
ATTIC VENT CALCULATION:
50 SQ FT. OF ATTIC DIVIDED BY
80% REQUIRED AS SQ FT. OF NET
FREE VENTILATING AREA (175%)

STRUCTURAL NOTES:

1. ALL FRAMING LIP END TO BE 9" MIN. END.
2. CIRCLES DENOTE (3) 2 x 4 POSTS FOR ROOF SUPPORT.
3. TRUSS DOWN WALLS ON TOP OF DOUBLE OR TRIPLE RAFTERS.
4. HP SPLICES ARE TO BE SPACED AT 70% OF 8'-0" FASTEN PERPENDICULAR TO THE ROOF.
5. BRICK FRAME OVER-FRAMED ROOF SECTIONS BY 2 x 8 RIDGES, 2 x 8 RAFTERS # 16' O.C. AND FLAT 2 x 8 VALLEYS OR USE VALLEY TRUSSES.
6. FASTEN FLAT VALLEYS TO RAFTERS OR TRUSSES WITH SIMPSON H25A HURRICANE TIES # 3/8" O.C. MAX. PASS HURRICANE TIES THROUGH ROOF IN ROOF SHEATHING. EACH RAFTER IS TO BE FASTENED TO THE FLAT VALLEY WITH A MIN. OF (6) 5d 10# NAILS.
7. REFER TO SECTION NUMBER OF THE JOB BOOK FOR REQUIRED WIND RESISTANCE AT RAFTERS AND TRUSSES.
8. REFER TO NOTES AND DETAIL SHEETS FOR ADDITIONAL STRUCTURAL INFORMATION.

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VISION
H & H HOMES



ELEVATION "A" - TRADITIONAL



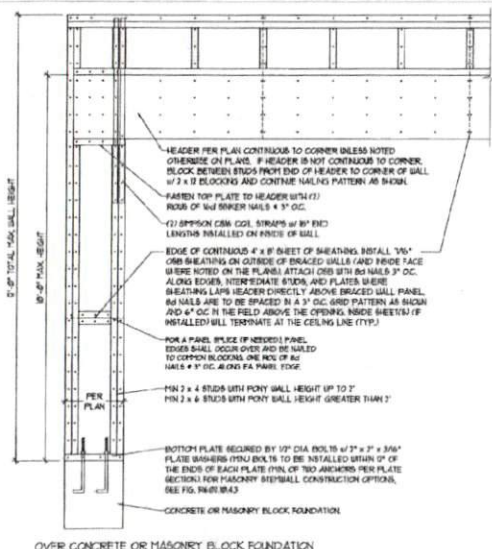
7/22/19

DATE: 7/22/19
SCALE: 1/4" = 1'-0"
DRAWN BY: J.S. THOMPSON, INC.
CHECKED BY: J.S. THOMPSON, INC.

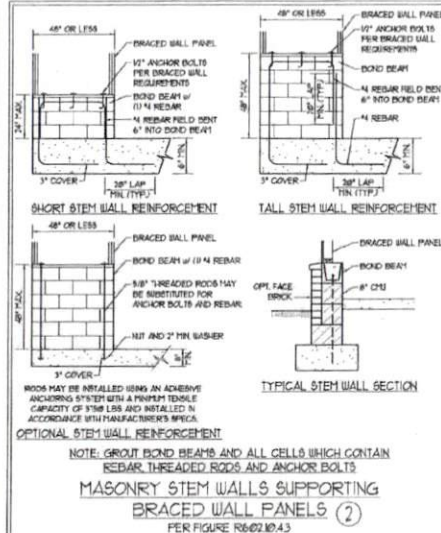
SHEET 6 OF 8
S-4a
ROOF FRAMING
PLAN

GENERAL WALL BRACING NOTES:

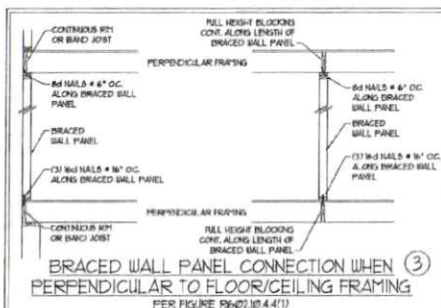
1. WALL BRACINGS DESIGNED IN ACCORDANCE WITH CHAPTER 6 OF THE 2018 NC RESIDENTIAL BUILDING CODE (NRC) TABLES AND FIGURES REFERENCED ARE FROM THE 2018 NRC.
2. SEE THIS SHEET FOR GENERAL DETAILS. REFER TO THE 2018 NRC FOR ADDITIONAL INFORMATION AS NEEDED.
3. BRACED EXTERIOR WALLS SUPPORTING ROOF TRUSSES AND RAFTERS INCLUDING STORIES BELOW THE TOP FLOOR, HAVE BEEN DESIGNED PER PARAGRAPH 6.03. WALL BRACINGS AND FASTENERS HAVE BEEN DESIGNED TO RESIST COMBINED UPLIFT AND SHEAR FORCES IN ACCORDANCE WITH ACCEPTED ENGINEERING PRACTICE.
4. SEE STRUCTURAL SHEETS FOR BRACED WALL LOCATIONS, OPENINGS, HOLD DOWN TYPE AND LOCATIONS, BRACED WALL LINE KEY WITH WALL DESIGN SUMMARY OF REQUIRED PROVIDED TOTALS FOR EACH WALL LINE AND ANY SPECIAL NOTES OR REQUIREMENTS.
5. ALL EXTERIOR WALLS ARE TO BE SHEATHED WITH CS-5B UP IN ACCORDANCE WITH SECTION R602.10.5 (L6.5) UNLESS NOTED OTHERWISE.
6. ALL EXTERIOR AND INTERIOR WALLS TO HAVE 1/2" GYPSUM BOARD. WHEN NOT USING METHOD 100, GYPSUM TO BE FASTENED PER TABLE R602.10.5 (L6.5) (PER TABLE R601.10.1).
7. CS-5B REFERS TO THE "CONTINUOUS SHEATHING" WOOD STRUCTURAL PANELS WALL BRACING METHOD. 1/4" OSB SHEATHING IS TO BE INSTALLED ON ALL EXTERIOR WALLS ATTACHED TO 6" COMMON WALLS OR 6" (2 1/2" LONG x 6") DIAMETER WALLS BRACED BY OC. ALONG PANEL EDGES AND BY OC IN THE FIELD (60").
8. GB REFERS TO THE "GYPSUM BOARD" WALL BRACING METHOD. 1/2" (MIN) GYPSUM BOARD IS TO BE INSTALLED ON BOTH SIDES OF THE BRACED WALL FASTENED WITH 1 1/4" SCREWS OR 1 1/2" NAILS SPACED 1' OC ALONG PANEL EDGES INCLUDING TOP AND BOTTOM PLATES AND INTERMEDIATE SUPPORTS (SHEETS). VERIFY ALL FASTENERS OPTIONS FOR 1/2" AND 5/8" GYPSUM PRIOR TO CONSTRUCTION. FOR INTERIOR FASTENERS OPTIONS SEE TABLE R602.10.5 (L6.5). EXTERIOR GB TO BE INSTALLED VERTICALLY.
9. REQUIRED BRACED WALL LENGTH FOR EACH FOOT OF THE CALCULATED UNIFORM LOAD IS INTERPOLATED PER TABLE R602.10.5 (L6.5). METHOD CS-5B CONTRIBUTES ITS ACTUAL LENGTH; METHOD GB CONTRIBUTES ITS ACTUAL LENGTH AND METHOD FF CONTRIBUTES ITS THE ACTUAL LENGTH.



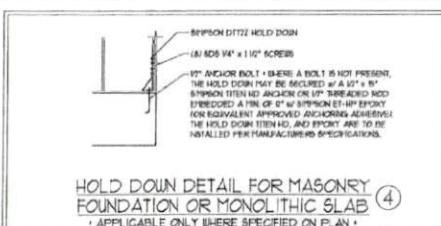
METHOD FF - PORTAL FRAME DETAIL ①



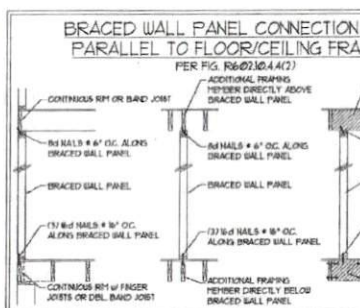
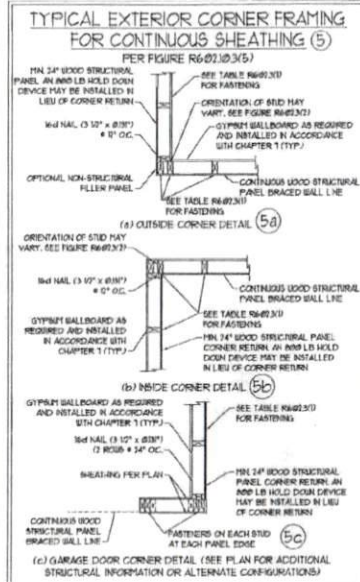
MASONRY STEM WALLS SUPPORTING BRACED WALL PANELS ②
PER FIGURE R6-02.10.4.3



BRACED WALL PANEL CONNECTION WHEN PERPENDICULAR TO FLOOR/CEILING FRAMING ③
PER FIGURE R6-02.10.4.4(1)

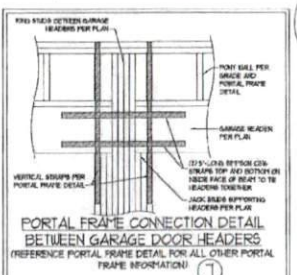


HOLD DOWN DETAIL FOR MASONRY FOUNDATION OR MONOLITHIC SLAB ④
APPLICABLE ONLY WHERE SPECIFIED ON PLAN.

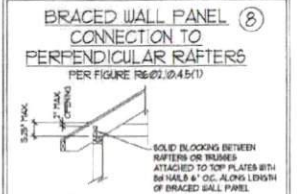


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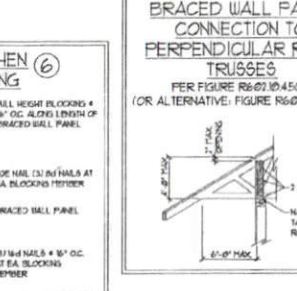
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PORTAL FRAME CONNECTION DETAIL BETWEEN GARAGE DOOR HEADERS (REFERENCE PORTAL FRAME DETAIL FOR ALL OTHER PORTAL FRAME INFORMATION) ⑦



BRACED WALL PANEL CONNECTION TO PERPENDICULAR RAFTERS ⑧
PER FIGURE R6-02.10.4.5(1)



BRACED WALL PANEL CONNECTION TO PERPENDICULAR ROOF TRUSSES ⑨
PER FIGURE R6-02.10.4.5(3) (OR ALTERNATIVE: FIGURE R6-02.10.4.5(2))

WEST CAROLINA PROFESSIONAL SEAL
33736
ENGINEER
MATTHEW G. STROTHER
7/22/19

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120 MPH - 130 MPH ULTIMATE DESIGN WIND SPEED
WALL BRACING NOTES AND DETAILS

D-2
BRACED WALL NOTES
AND DETAILS AND FF
DETAILS

SCALE NOTE:
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GENERAL NOTES

- ENGINEER'S SEAL APPLIES ONLY TO STRUCTURAL COMPONENTS INCLUDING ROOF RAFTERS, UPS, VALLEYS, RIDGES, FLOORS, WALLS, BEAMS, HEADERS, COLUMNS, GIRT BEAMS, OFFSET LOAD BEARING WALLS, PIERIS, GIRDERS, STAIRS AND FOOTINGS. ENGINEER'S SEAL DOES NOT CERTIFY DIMENSIONAL ACCURACY OF ARCHITECTURAL LAYOUT INCLUDING ROOF. ENGINEER'S SEAL DOES NOT APPLY TO JOIST OR FLOOR/ROOF TRUSS LAYOUT DESIGN AND ACCURACY.
- ALL CONSTRUCTION SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE NORTH CAROLINA RESIDENTIAL CODE (NRC), 2008 EDITION PLUS ALL LOCAL CODES AND REGULATIONS. THE STRUCTURAL ENGINEER IS NOT RESPONSIBLE FOR, AND WILL NOT HAVE CONTROL OF, CONSTRUCTION METHOD, TECHNIQUE, SEQUENCES OR PROCEDURES, OR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE CONSTRUCTION WORK. NOW SHALL THE ENGINEER BE RESPONSIBLE FOR THE CONTRACTOR FAILING TO CARRY OUT THE CONSTRUCTION WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- STRUCTURAL DESIGN BASED ON THE PROVISIONS OF THE NRC, 2008 EDITION (RURIA - RORC)

DESIGN CRITERIA	LIVE LOAD (PSF)	DEAD LOAD (PSF)	DEFLECTION (IN)
ATTIC WITH LIMITED STORAGE	20	10	L/240 (L/360 w/ BRITTLE FINISHES)
ATTIC WITHOUT STORAGE	10	10	L/360
DECKS	40	10	L/240
EXTERIOR BALCONIES	40	10	L/240
PORCH ESCAPES	40	10	L/240
HANDICAPPED/VEHICLES	200 LB OR 50 (PL)	10	L/240
HANDICAPPED VEHICLE GARAGE	30	10	L/240
ROOMS OTHER THAN SLEEPING ROOM	40	10	L/240
SLEEPING ROOMS	30	10	L/240
STAIRS	40	10	L/240
WIND LOAD	(BASED ON TABLE R601(4) AND ZONE AND EXPOSURE)		
GROUND SUEDE LOAD, P _s	20 (PSF)		

 - JOIST SYSTEMS DESIGNED WITH 2 PSF DEAD LOAD AND DEFLECTION (IN) OF L/480
 - FLOOR TRUSS SYSTEMS DESIGNED WITH 1 PSF DEAD LOAD
- FOR 18 IN AND 24 IN WIND ZONE, FOUNDATION ANCHORAGE IS TO COMPLY WITH SECTION R601(4) OF THE NRC, 2008 EDITION. FOR 30 PSF, 180 PSF, AND 50 PSF WIND ZONES, FOUNDATION ANCHORAGE IS TO COMPLY WITH SECTION R601(4) OF THE NRC, 2008 EDITION.
- ENERGY EFFICIENT COMPLIANCE AND INSULATION VALUES OF THE BUILDING TO BE IN ACCORDANCE WITH CHAPTER 11 OF THE NRC, 2008 EDITION.

FOOTING AND FOUNDATION NOTES

- FOUNDATION DESIGN BASED ON A MINIMUM ALLOWABLE BEARING CAPACITY OF 3000 PSF. CONTACT GEOTECHNICAL ENGINEER IF BEARING CAPACITY IS NOT ACHIEVED.
- FOR ALL CONCRETE SLABS AND FOOTINGS, THE AREA WITHIN THE PERIMETER OF THE BUILDING ENVELOPE SHALL HAVE ALL VEGETATION, TOP SOIL AND FOREIGN MATERIAL REMOVED. FILL MATERIAL SHALL BE FREE OF VEGETATION AND FOREIGN MATERIAL. THE FILL SHALL BE COMPACTED TO ASSURE UNIFORM SUPPORT OF THE SLAB, AND EXCEPT WHERE APPROVED, THE FILL COMPS SHALL NOT EXCEED 24" FOR CLEAN SAND OR GRAVEL. A 4" THICK BASED COURSE CONSISTING OF CLEAN GRADED SAND OR GRAVEL SHALL BE PLACED. A BASE COURSE IS NOT REQUIRED UNDER A CONCRETE SLAB IS INSTALLED ON WELL-DRAINED SAND OR GRAVEL. FUTURE SOILS CLASSIFIED AS GROUP I, ACCORDING TO THE UNITED SOIL CLASSIFICATION SYSTEM IN ACCORDANCE WITH TABLE R601(4) OF THE NRC, 2008 EDITION.
- PROPERLY DESIGNE EXCAVATION PRIOR TO POURING CONCRETE WHEN BOTTOM OF CONCRETE SLAB IS AT OR BELOW WATER TABLE. IF APPLICABLE, 3/4" - 1" DEEP CONTROL JOINTS ARE TO BE SAID WITHIN 4 TO 8 HOURS OF CONCRETE FINISHING AND SHALL LOCATIONS HAVE BEEN MARKED. ADJUST WHERE NECESSARY.
- CONCRETE SHALL CONFORM TO SECTION R601(3) OF THE NRC, 2008 EDITION. CONCRETE REINFORCING STEEL TO BE ASTM A603 GRADE 60. UNLESS OTHERWISE SPECIFIED, ALL REINFORCING STEEL SHALL BE 3" IN FOOTINGS AND 1/2" IN SLABS. FOR FOOTED CONCRETE WALLS, CONCRETE COVER FOR REINFORCING STEEL MEASURED FROM THE INSIDE FACE OF THE WALL SHALL NOT BE LESS THAN 3/4". CONCRETE COVER FOR REINFORCING STEEL MEASURED FROM THE OUTSIDE FACE OF THE WALL SHALL NOT BE LESS THAN 1 1/2" FOR 5 BARS OR SMALLER, AND NOT LESS THAN 2" FOR 6 BARS OR LARGER.
- MASONRY UNITS TO CONFORM TO ACE EXAMINE 8/19/18 ARE. REINFORCING SHALL CONFORM TO ASTM A603.
- THE UNREINFORCED WEIGHT OF MASONRY PIERS SHALL NOT EXCEED FOUR TIMES THEIR LEAST DIMENSION FOR UNFILLED HOLLOW CONCRETE MASONRY UNITS AND TEN TIMES THEIR LEAST DIMENSION FOR SOLID OR SOLID FILLED PIERS. PIERS MAY BE FILLED SOLID WITH CONCRETE ON TYPE M OR S MORTAR. PIERS AND WALLS SHALL BE CAPPED WITH 8" OF SOLID MASONRY.
- THIS CENTER OF EACH OF THE PIERS SHALL BEAR IN THE MIDDLE THIRD OF ITS RESPECTIVE FOOTING. EACH GARDEN SHALL BEAR IN THE MIDDLE THIRD OF THE PIERS.
- ALL CONCRETE AND MASONRY FOUNDATION WALLS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE PROVISIONS OF SECTION R601(4) OF THE NRC, 2008 EDITION OR IN ACCORDANCE WITH ACE 19. ACE 320, NCHA, TRSA-A OR ACE EXAMINE 8/19/18 ARE. MASONRY FOUNDATION WALLS ARE TO BE REINFORCED PER TABLE R601(4) (R601(4) (R601(4) (R601(4) OF THE NRC, 2008 EDITION. CONCRETE FOUNDATION WALLS ARE TO BE REINFORCED PER TABLE R601(4) OF THE NRC, 2008 EDITION. STEP CONCRETE FOUNDATION WALLS TO 2 x 4 FRAMED WALLS AT 6" O.C. WHERE GRADE PERMITS (R601).

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FRAMING NOTES

- ALL FRAMING LIPDER SHALL BE 2" DIFF MINIMUM (R) + 875 PSF, F + 375 PSF, E + 1600000 PSI UNLESS NOTED OTHERWISE (R601). ALL TREATED LIPDER SHALL BE 2" DIFF MINIMUM (R) + 875 PSF, F + 375 PSF, E + 1600000 PSI UNLESS NOTED OTHERWISE (R601).
- LAMINATED VENEER LIPDER (LVL) SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES: F_b = 2600 PSI, F_v = 280 PSI, E = 1900000 PSI. LAMINATED STRAND LIPDER (LSL) SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES: F_b = 2375 PSI, F_v = 280 PSI, E = 1900000 PSI. PARALLEL STRAND LIPDER (PSL) UP TO 1" DEPTH SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES: F_b = 2600 PSI, F_v = 1600000 PSI. PARALLEL STRAND LIPDER (PSL) MORE THAN 1" DEPTH SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES: F_b = 2300 PSI, E = 1900000 PSI. INSTALL ALL CONNECTIONS PER MANUFACTURER'S SPECIFICATIONS.
- STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING ASTM SPECIFICATIONS:
 - A. W AND W SHAPES: ASTM A992
 - B. CHANNELS AND ANGLES: ASTM A36
 - C. PLATES AND BARS: ASTM A36
 - D. HOLLOW STRUCTURAL SECTIONS: ASTM A500 GRADE B
 - E. STEEL PIPE: ASTM A53, GRADE B, TYPE E OR A
- STEEL BEAMS SHALL BE SUPPORTED AT EACH END WITH A MINIMUM BEARING LENGTH OF 3" VERT AND FULL FLANGE BOTH ENDS. PROVIDE SOLID BEARING FROM BEAM SUPPORT TO FOUNDATION. BEAMS SHALL BE ATTACHED AT THE BOTTOM FLANGE TO EACH SUPPORT AS FOLLOWS (R601):
 - A. WOOD FRAMING: (1) 1/2" DIA. x 4" LONG LAG SCREWS
 - B. CONCRETE: (1) 1/2" DIA. x 4" WEDGE ANCHORS
 - C. MASONRY (FULLY GROUTED): (1) 1/2" DIA. x 4" LONG EPOXY TIEB ROD ANCHORS
 LATERAL SUPPORT IS CONSIDERED ADEQUATE PROVIDED THE JOISTS ARE TIE HAILED TO THE 2x HALLER ON TOP OF THE STEEL BEAM AND THE 2x HALLER IS SECURED TO THE TOP OF THE STEEL BEAM w/ (2) ROWS OF SELF TAPPING SCREWS 4" O.C. OR (2) ROWS OF 1/2" DIA. STEEL BOLTS 4" O.C. IF 1/2" BOLTS ARE USED TO FASTEN THE HALLER, THE STEEL BEAM SHALL BE FABRICATED W/ (2) ROWS OF 1/2" DIA. STEEL BOLTS 4" O.C.
- SQUARES DENOTE POINT LOADS WHICH REQUIRE SOLID BLOCKING TO GROUND OR FOUNDATION. SHARED SQUARES DENOTE POINT LOADS FROM ABOVE WHICH REQUIRE SOLID BLOCKING TO SUPPORTING MEMBER BELOW.
- ALL LOAD BEARING HEADERS TO CONFORM TO TABLE R601(4) AND R601(5) OF THE NRC, 2008 EDITION OR BE (1) 2" x 6" WITH (1) JACK AND (1) KING STUD EACH END (R601) UNLESS OTHERWISE NOTED. ALL HEADERS TO BE SECURED TO EACH JACK STUD WITH (4) 1/2" DIA. ALL BEAMS TO BE SUPPORTED WITH (2) BARS AT EACH BEARING POINT (R601). INSTALL KING STUDS PER SECTION R601(4) OF THE NORTH CAROLINA RESIDENTIAL CODE, 2008 EDITION.
- ALL BEAMS, HEADERS, OR GIRDERS TRIMMED PARALLEL TO WALL ARE TO BEAR FULLY ON (1) JACK OR (2) STUDS THROUGH OR THE NUMBER OF JACKS OR STUDS NOTED. ALL BEAMS OR GIRDERS TRIMMED PERPENDICULAR TO WALL AND SUPPORTED BY MORE THAN (3) STUDS OR OTHER NOTED COLUMN ARE TO BEAR FULLY ON SUPPORT COLUMN FOR ENTIRE WALL DEPTH (R601). BEAM ENDS THAT BUTT INTO ONE ANOTHER ARE TO EACH BEAR EQUAL LENGTHS (R601).
- FLUSH BEAMS SHALL BE BOLTED TOGETHER USING 1/2" DIA. STEEL BOLTS (ASTM A307) WITH WASHERS PLACED AT THREADED END OF BOLT. BOLTS SHALL BE SPACED AT 24" CENTER (R601) AND STAGGERED AT TOP AND BOTTOM OF BEAM (7" EDGE DISTANCE) WITH (2) BOLTS LOCATED AT 4" FROM EACH END (R601).
- ALL L-JOIST OR TRUSS LAYOUTS ARE TO BE IN COMPLIANCE WITH THE OVERALL DESIGN SPECIFIED ON THE PLANS. ALL DEVIATIONS ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD PRIOR TO INSTALLATION.
- BRACED WALL PANELS SHALL BE CONSTRUCTED ACCORDING TO THE NORTH CAROLINA RESIDENTIAL CODE 2008 EDITION BALL BRACING CRITERIA, THE AMOUNT, LENGTH AND LOCATION OF BRACING SHALL COMPLY WITH ALL APPLICABLE TABLES IN SECTION R601(4).
- PROVIDE DOUBLE JOINT INTER ALL WALLS PARALLEL TO FLOOR JOISTS. PROVIDE SUPPORT UNDER ALL WALLS PARALLEL TO FLOOR TRUSSES OR L-JOISTS PER MANUFACTURER'S SPECIFICATIONS. INSTALL BLOCCOS BETWEEN JOISTS OR TRUSSES FOR POINT LOAD SUPPORT FOR ALL POINT LOADS ALONG OFFSET LOAD LINES.
- FOR ALL HEADERS SUPPORTING BRICK VENEER THAT ARE LESS THAN 8'-0" IN LENGTH, KEEP A 6" x 4" x 3/4" STEEL ANGLE WITH 6" MINIMUM EMBEDMENT AT SICES FOR BRICK SUPPORT (R601). FOR ALL HEADERS 8'-0" AND GREATER IN LENGTH, BOLT A 6" x 4" x 3/4" STEEL ANGLE TO HEADER WITH 1/2" LAG BOLDS AT 1" O.C. STAGGERED FOR BRICK SUPPORT. FOR ALL BRICK SUPPORT AT ROOF LINE, BOLT A 6" x 4" x 3/4" STEEL ANGLE TO (1) 2" x 6" BLOCKING INSTALLED W/ (4) 1/2" DIA. H.S. EA. PL'Y BETWEEN WALL STUDS WITH (2) ROWS OF 1/2" LAG BOLDS AT 1" O.C. STAGGERED AND IN ACCORDANCE WITH SECTION R601(4) OF THE NRC, 2008 EDITION.
- FOR BRICK FRAMED ROOFS, CIRCLES DENOTE (1) 2 x 4 PIERIS FOR ROOF MEMBER SUPPORT. W/ BOLDS ARE TO BE SPACED A MINIMUM OF 8' ON. FASTEN MEMBERS WITH THREE ROWS OF 1/2" H.S. AT 6" O.C. FRAME DORMER WALLS ON TOP OF DOUBLE OR TRIPLE RAFTERS AS SHOWN (R601).
- FOR THREADED ROOF TRAYE DORMER WALLS ON TOP OF 2 x 4 LAGGED FRAMING AT 24" O.C. BETWEEN ADJACENT ROOF TRUSSES, STEEL FRAME OVER FRAMED ROOF SECTIONS WITH 2 x 6 RIDGES, 2 x 6 RAFTERS AT 8" O.C. AND FLAT 2 x 6 VALLEYS (R601).
- ALL 4 x 4 AND 6 x 6 POSTS TO BE REBALLED WITH 100 LB CAPACITY (BOLT CONNECTIONS TOP AND BOTTOM (R601). POSTS MAY BE SECURED USING ONE (1) 1/2" DIA. 1/4" MIN. MIN. CONNECTION FASTENED TO THE MUDS AT THE BOTTOM AND THE BEAM AT THE TOP OF EACH POST. ONE 1/2" SECTION OF EPDM RUBBER GASKET STRAPPING WITH (8) 1/4" DIA. H.S. AT 6" O.C. EACH END MAY BE USED IN LIEU OF EACH POST STRAP IF DESIRED. FOR MASONRY OR CONCRETE FOUNDATION USE SMOOTH POST BASE.

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120 MPH - 130 MPH ULTIMATE DESIGN WIND SPEED
STANDARD STRUCTURAL NOTES

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