THE NET FREE VENTILATING AREA SHALL BE NOT LESS THAN I TO 150 OF THE AREA OF THE SPACE VENTILATED EXCEPT THAT THE AREA MAY BE I TO 300, PROVIDED AT LEAST 50 PERCENT OF THE REQUIRED VENTILATING AREA IS PROVIDED BY VENTILATORS LOCATED IN THE UPPER PORTION OF THE SPACE TO BE VENTILATED AT LEAST 3 FEET ABOVE EAVE OR CORNICE VENTS WITH THE BALANCE OF THE REQUIRED VENTILATION TO BE PROVIDED BY EAVE OR CORNICE VENTS.

GROSS ATTIC AREA TO BE VENTILATED 2710 SQ.FT. 2710/150 = 18.06 SQ.FT. NET FREE AREA

ENERGY COMPLIANCE

ZONE 3 = MAX. GLAZING U-FACTOR .35

R-VALUE = CEILING R30, WALLS R13,

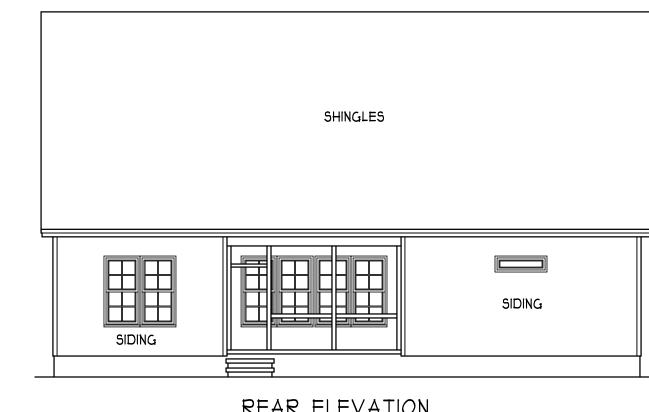
FLOORS R19 FOR JOHNSTON, WAYNE COUNTY ZONE 4 = MAX. GLAZING U-FACTOR .35 R-VALUE = CEILING R38, WALLS R15, FLOORS R19 FOR WAKE, ORANGE COUNTY



FRONT ELEVATION SCALE 1/4" = 1'-0"



SCALE 1/8" = 1'-0"



REAR ELEVATION SCALE 1/8" = 1'-0"



RIGHT ELEVATION SCALE 1/8" = 1'-0"

RESIDENCE INC. TRIMSTERS PICKERING

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DATE: 12/29/16

1 1/2 STORY

120816

FOUNDATION STRUCTURAL NOTES: (IOO MPH WIND ZONE)

(1) (3) 2 x 10 SPF #2 GIRDER, TYPICAL UNO.

(2) CONCRETE BLOCK PIER SIZE SHALL BE: SIZE HALLOW MASONRY SOLID SOLID MASONRY UP TO 5'-O" HIGH UP TO 32" HIGH UP TO 48" HIGH UP TO 9'-0" HIGH 16 x 16 UP TO 64" HIGH UP TO 12'-O" HIGH

24 x 24 UP TO 96" HIGH WITH 30"  $\times$  30"  $\times$  10" CONCRETE FOOTING, UNO.

3 WALL FOOTING AS FOLLOWS:

DEPTH: 8" - UP TO 2-1/2 STORY

10" - 3 STORY WIDTH: SIDING (OR EQUAL) - 16" - UP TO 2-1/2 STORY - 18" - 3 STORY

BRICK VENEER - 16" - 1 STORY - 20" - 2 STORY - 24" - 3 STORY

FOR FOUNDATION WALL HEIGHT AND BACKFILL REQUIREMENTS, REFER TO NORTH CAROLINA RESIDENTIAL CODE TABLE R404.1.1 (1 THRU 4) NOTE: ASSUMED SOIL BEARING CAPACITY = 2000 PSF. CONTRACTOR MUST VERIFY SITE CONDITIONS AND CONTACT SOILS ENGINEER IF MARGINAL OR UNSTABLE SOILS ARE ENCOUNTERED.

ATTACH SILL PLATE WITH 1/2"dia. ANCHOR BOLTS AT 6'-O" CENTERS ( 1" EMBEDMENT) AND 12" FROM EACH PLATE END. (SECTION R 403.1.4)

4 " DESIGNATES A SIGNIFICANT POINT LOAD TO HAVE SOLID BLOCKING TO PIER. SOLID BLOCK ALL BEAM BEARING POINTS NOTED TO HAVE THREE OR MORE STUDS TO FND, TYPICAL.

5 ABBREVIATIONS:

"SJ" = SINGLE JOIST "DJ" = DOUBLE JOIST
"TJ" = TRIPLE JOIST

 $\langle 6 \rangle$  (4) 2 x IO SPF #2 GIRDER.

DAMP PROOFING

FOR DAMP PROOFING \$ WATER PROOFING REFER TO SECTION 405 \$ 406 IN 2012 EDITION NC RES. CODES

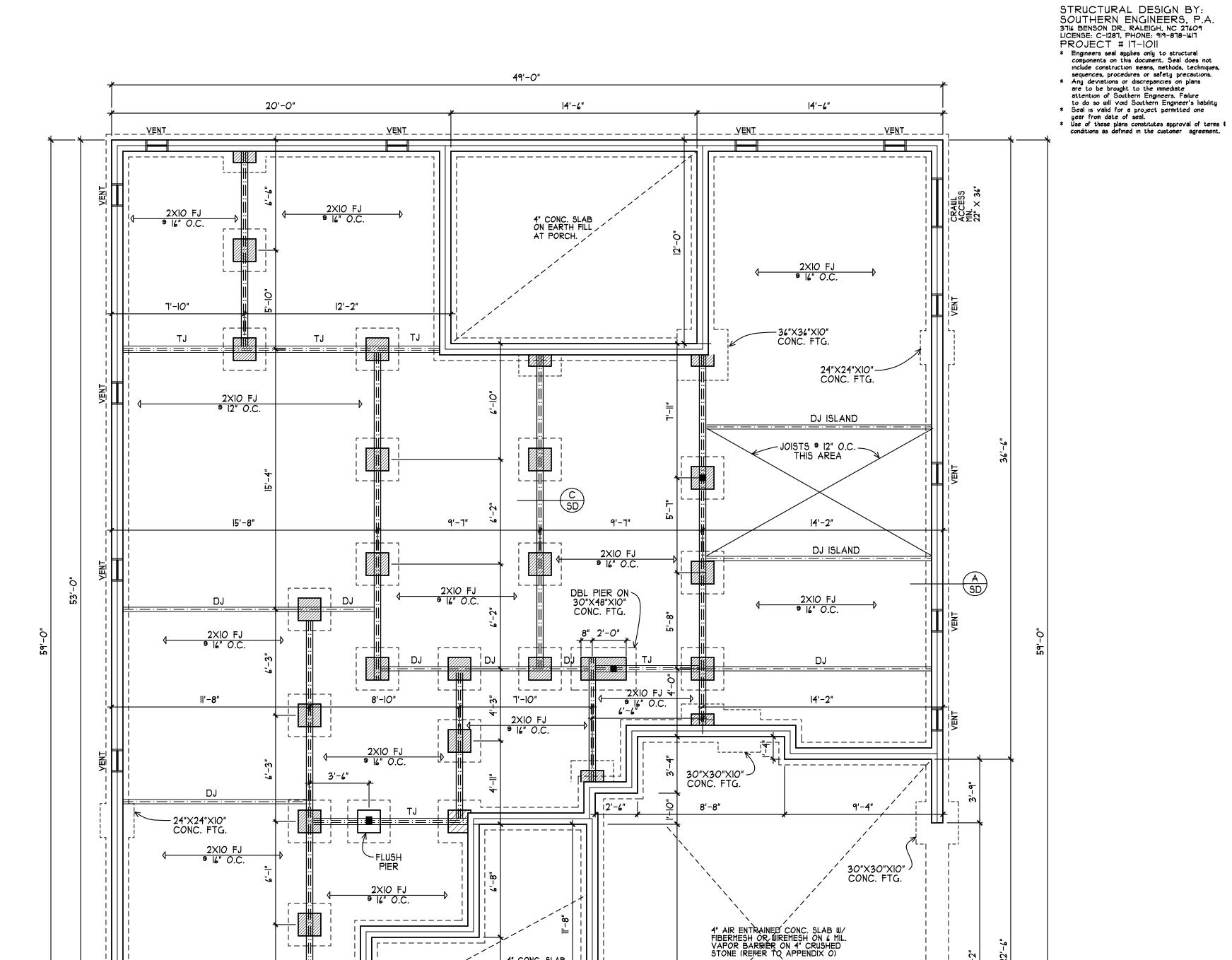
ANCHOR BOLTS

ANCHOR BOLTS TO BE PLACED WITHIN 12" OF EVERY CORNER AND FROM EVERY SPLICE AND AT 6'-0" O.C. WITH 7" MIN. IN CONC.

FND VENTS

1954/150 = 13.03 SQ. FT. REQ'D 13.03/.88 = 15 VENTS \*WITH VAPOR BARRIOR

\*ONE VENT MUST BE WITHIN 3'-O" OF EVERY CRNR.



4" CONC. SLAB ON EARTH FILL AT PORCH.

6'-4"

49'-0"

12'-8"

6'-4"

15'-4"



FOUNDATION PLAN SCALE 1/4" = 1'-0"

D SD

12'-0"

-30"X30"X10" -CONC. FTG.



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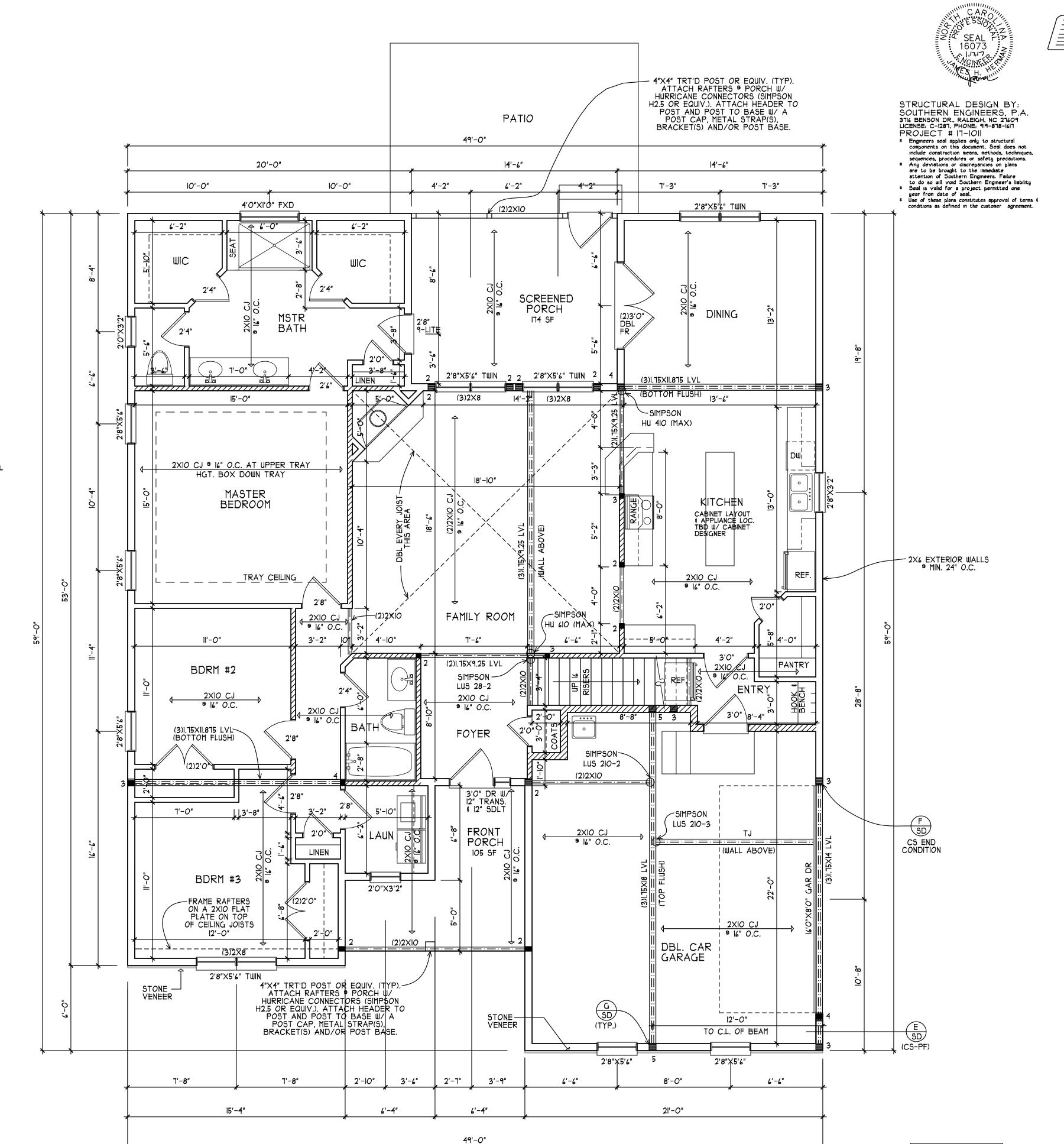
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AN OR DATE:

12/29/16

11/2 STORY

120816



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1954 379 352 477

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HEATHER HALL
165 HEATHERSTONE C
BENSON NC 27504
(919) 207-1403

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AN, DIM HOME

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AN NC INC.

12/29/16

11/2 STORY

120816

DATE:

FILE:

REFER TO "SD" SHEET(S)

FOR STANDARD DETAILS AND STRUCTURAL NOTES.

FIRST FLOOR PLAN

SCALE 1/4" = 1'-0"

INC.

TRIMSTERS

WALL BRACING NOTES: (100 MPH)

WALL BRACING ANALYSIS BASED ON R602.10 - CODE AND COMMENTARY FOR 2012 NC RESIDENTIAL CODE (FINAL 03-06-2013: EFFECTIVE DATE SEPTEMBER I, 2013).

2. NOTE THAT THE WALL BRACING AMOUNT PROVDED ON THE PLANS (DETAILS AND SPECIFICATIONS) IS GREATER THAN THE AMOUNT OF WALL BRACING REQUIRED BY THE CODE. SEE NOTES BELOW FOR DETAILS AND SPECIFICATIONS FOR WALL BRACING.

3. BRACING METHOD AND TYPE: CONTINUOUS SHEATHING PER SECTION R602.10.3 USING WSP (WOOD STRUCTURAL PANEL SHEATHING). 4. EXTERIOR WALL SHEATHING: SHEATH EXTERIOR WALLS WITH 1/16" WSP (WOOD STRUCTURAL PANEL) SHEATHING AND ATTACH WITH 8d NAILS AT A 6"/12" NAILING PATTERN (6" OC AT PANE EDGES AND 12" OC AT INTERMEDIATE SUPPORTS). INSTALL BLOCKING AT ALL PANEL EDGES. (WSP SHEATHING SHALL EXTEND TO UPPERMOST DOUBLE BEARING PLATE). BLOCK AT ROOF PER R602.10.5..5.

5. MINIMUM WALL LENGTHS ARE BASED ON TABLE R602.10.1 AND ARE TO BE LOCATED AS SPECIFIED IN SECTION R602.10.3.2. 6. HD - HOLD DOWN DEVICE (NOTED AS "HD" ON PLANS) SHALL BE AN 800 POUND CAPACITY ASSEMBLY.

IST FLOOR: (2) SIMPSON SSP (SEE "HD" - HOLD-DOWNDETAIL)

2ND FLOOR: ATTACH BASE OF KING STUD WITH A SIMPSON

CS22STRAP DOWN ACROSS THE BAND AND DOWN TO A STUD BELOW

OR HEADER BELOW. EXTEND STRAP 1" MIN ALONG EACH STUD (OR

HEADER) AND ATTACH EACHEND W/ (1) 8d NAILS.

1. INTERIOR BRACED WALL: (NOTED AS "IBW" ON PLANS) ATTACH 1/2" GYPSUM BOARD ON EACH SIDE OF WALL WITH A MIN. OF 5d COOLER NAILS OR #4 SCREWS 9 1" O.C. ALONG THE EDGES AND AT INTERMEDIATE SUPPORTS.

1.I. INTEIOR BRACED WALL - WOOD STRUCTURAL PANELS: (NOTED AS "IBW-WSP" ON PLANS) ATTACH 3/8" (MIN) WOOD STRUCTURAL PANEL SHEATHING ON ONE SIDE OF WALL. ATTACH WITH 4d COMMON NAILS AT 4"/12" NAILING PATTERN (6" AT EDGES AND 12" AT INERMEDIATE SUPPORTS).

INTERIOR BRACED WALLS SHALL BE CONNECTED AS DESCRIBED IN R602.10.5.4 AND FIGURES R602.10.5.4(1) AND CR602.10.5.4(2).

HEADER AND COLUMN NOTES I. ALL EXTERIOR AND LOAD BEARING HEADERS SHALL BE MIN. (3) 2X4 WITH (I) SUPPORT STUD AND (I) KING STUD, UNLESS NOTED 2. THE NUMBER SHOWN AT BEAM AND HEADER SUPPORTS INDICATES THE NUMBER OF SUPPORT STUDS REQUIRED IN STUD POCKET OR

TOTAL REQUIRED BRACING: 59 TOTAL PROVIDED BRACING: 122 (IN FEET)

SEAL 16073

STRUCTURAL DESIGN BY: SOUTHERN ENGINEERS, P.A. 3716 BENSON DR., RALEIGH, NC 27609 LICENSE: C-1287, PHONE: 919-878-1617 PROJECT # IT-IOII \* Engineers seal applies only to structural components on this document. Seal does not include construction means, methods, techniques, include construction means, methods, techniques, sequences, procedures or safety precautions.

\* Any deviations or discrepancies on plans are to be brought to the immediate attention of Southern Engineers. Failure to do so will void Southern Engineer's liability.

\* Seal is valid for a project permitted one year from date of seal.

\* Use of these plans constitutes approval of terms to conditions as defined in the customer agreement.

WALL BRACING NOTES: (100 MPH)

I. WALL BRACING ANALYSIS BASED ON R602.10 - CODE AND COMMENTARY FOR 2012 NC RESIDENTIAL CODE (FINAL 03-06-2013: EFFECTIVE DATE SEPTEMBER I, 2013). 2. NOTE THAT THE WALL BRACING AMOUNT PROVDED ON THE PLANS (DETAILS AND SPECIFICATIONS) IS GREATER THAN THE AMOUNT OF WALL BRACING REQUIRED BY THE CODE. SEE NOTES BELOW FOR DETAILS AND SPECIFICATIONS FOR WALL BRACING.

3. BRACING METHOD AND TYPE: CONTINUOUS SHEATHING PER SECTION R602.10.3 USING WSP (WOOD STRUCTURAL PANEL SHEATHING). 4. EXTERIOR WALL SHEATHING: SHEATH EXTERIOR WALLS WITH 1/16" WSP (WOOD STRUCTURAL PANEL) SHEATHING AND ATTACH WITH 8d NAILS AT A 6"/12" NAILING PATTERN (6" OC AT PANE EDGES AND 12" OC AT INTERMEDIATE SUPPORTS). INSTALL BLOCKING AT ALL PANEL EDGES. (WSP SHEATHING SHALL EXTEND TO UPPERMOST DOUBLE BEARING PLATE). BLOCK AT ROOF PER R602.10.5..5.

5. MINIMUM WALL LENGTHS ARE BASED ON TABLE R602.10.1 AND ARE TO BE LOCATED AS SPECIFIED IN SECTION R602.10.3.2. 6. HD - HOLD DOWN DEVICE (NOTED AS "HD" ON PLANS) SHALL BE AN 800 POUND CAPACITY ASSEMBLY.

IST FLOOR: (2) SIMPSON SSP (SEE "HD" - HOLD-DOWNDETAIL)

2ND FLOOR: ATTACH BASE OF KING STUD WITH A SIMPSON CS22STRAP DOWN ACROSS THE BAND AND DOWN TO A STUD BELOW OR HEADER BELOW. EXTEND STRAP 1" MIN ALONG EACH STUD (OR HEADER) AND ATTACH EACHEND W/ (1) 8d NAILS.

1. INTERIOR BRACED WALL: (NOTED AS "IBW" ON PLANS) ATTACH 1/2" GYPSUM BOARD ON EACH SIDE OF WALL WITH A MIN. OF 5d COOLER NAILS OR #6 SCREWS © 1" O.C. ALONG THE EDGES AND AT INTERMEDIATE SUPPORTS.

1.1. INTEIOR BRACED WALL - WOOD STRUCTURAL PANELS: (NOTED AS "IBW-WSP" ON PLANS) ATTACH 3/8" (MIN) WOOD STRUCTURAL PANEL SHEATHING ON ONE SIDE OF WALL. ATTACH WITH 6d COMMON NAILS AT 6"/12" NAILING PATTERN (6" AT EDGES AND 12" AT INERMEDIATE SUPPORTS).

INTERIOR BRACED WALLS SHALL BE CONNECTED AS DESCRIBED IN R602.10.5.4 AND FIGURES R602.10.5.4(1) AND CR602.10.5.4(2).

HEADER AND COLUMN NOTES I. ALL EXTERIOR AND LOAD BEARING HEADERS SHALL BE MIN. (3) 2X4 WITH (I) SUPPORT STUD AND (I) KING STUD, UNLESS NOTED

2. THE NUMBER SHOWN AT BEAM AND HEADER SUPPORTS INDICATES THE NUMBER OF SUPPORT STUDS REQUIRED IN STUD POCKET OR

RAFTER SUPPORT WALL -RAFTER -SUPPORT WALL 8'0" CLG. HT. 9 16" O.C. 2'8" BDRM #4 6'-6" 13'-6" -(2)2X8 UNFINISHED ≥ 16" O.C. STORAGE BATH 4'-5" 4'-0" H 8'0" CLG. HT. RAFTER ~ SUPPORT WALL → 2X6 RAFTER → SUPPORT WALL 9 MIN. 24" O.C. REC ROOM 4'-0" 12'-0" 4'-O" 2'8"\\$5'2" 10'-6" 10'-6" 21'-0"

> REFER TO "SD" SHEET(S) FOR STANDARD DETAILS AND STRUCTURAL NOTES. SECOND FLOOR PLAN SCALE 1/4" = 1'-0"

INC.

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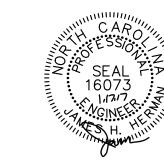
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DATE:

12/29/16 11/2 STORY

FILE: 120816



STRUCTURAL DESIGN BY:
SOUTHERN ENGINEERS, P.A.
3716 BENSON DR., RALEIGH, NC 27609
LICENSE: C-1287, PHONE: 919-878-1617
PROJECT # 17-1011
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\* Any deviations or discrepancies on plans are to be brought to the immediate attention of Southern Engineers. Failure to do so will void Southern Engineer's liability
\* Seal is valid for a project permitted one year from date of seal.
\* Use of these plans constitutes approval of terms \$\xi\$ conditions as defined in the customer agreement.

ROOF FRAMING NOTES:

- ROOF FRAMING NOTES:

  (IOO MPH WIND ZONE)

  ① ALL RAFTERS TO BE 2x8 ® 16" O.C. WITH 2x10 RIDGE, UNO.
  ② (2) 2x10 OR 1.75x11.875 LVL HIP. (2) 2x10 HIPS MAY BE SPLICED WITH A MIN. 6'-0" OVERLAP AT CENTER
  ③ (2) 2x10 OR 1.75x9.25 LVL VALLEY.
  DO NOT SPLICE VALLEYS
  ④ 1.75x11.875 LVL VALLEY
  ⑤ FALSE FRAME VALLEY ON 2x10 FLAT PLATE
  ② 2x6 RAFTERS ® 16" O.C. W/ 2x8 RIDGE, UNO.
  ① 2x10 RAFTERS ® 16" O.C. W/ 2x8 RIDGE, UNO.
  ⑥ EXTEND RIDGE 12" BEYOND INTERSECTION

   "SR" = SINGLE RAFTER

   "DR" = DOUBLE RAFTER

   "TR" = TRIPLE RAFTER

   "RS" = ROOF SUPPORT FOR RAFTER SPLICE

- "TR" = TRIPLE RAFTER
   "RS" = ROOF SUPPORT FOR RAFTER SPLICE
   "■" = (3) STUD OR 4x4 POST FOR ROOF SUPPORT
   FIR DOWN 2x8 RAFTERS OR USE 2x10 AT
  CATHEDRAL CEILINGS
   ATTACH VAULTED RAFTERS WITH HURRICANE CLIPS:
  SIMPSON "H-5" OR EQUIVALENT
   INSTALL RAFTER TIES AND COLLAR TIES PER SECTION
  R802.3.1 OF THE 2012 NC RESIDENTIAL CODE

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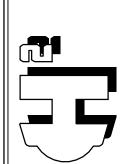
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DATE: 12/29/16

REFER TO "SD" SHEET(S) FOR STANDARD DETAILS AND STRUCTURAL NOTES.

ROOF PLAN

SCALE 1/4" = 1'-0"

1 1/2 STORY

FILE: 120816

STRUCTURAL NOTES 2012 NCRC (2009 IRC) <u>100 mph ZONE</u>

1) ENGINEER'S SEAL APPLIES ONLY TO STRUCTURAL COMPONENTS INCLUDING ROOF RAFTERS, HIPS, VALLEYS, RIDGES, FLOORS, WALLS, BEAMS AND HEADERS, COLUMNS, CANTILEVERS, OFFSET LOAD BEARING WALLS, PIER & GIRDER SYSTEM AND FOOTINGS. ENGINEER'S SEAL DOES NOT CERTIFY DIMENSIONAL ACCURACY OR ARCHITECTURAL LAYOUT INCLUDING ROOF SYSTEM. ALL REQUIREMENTS FOR PROFESSIONAL CERTIFICATION SHALL BE PROVIDED BY THE APPROPRIATE PROFESSIONAL. SOUTHERN ENGINEERS, P.A. CERTIFIES ONLY THE STRUCTURAL COMPONENTS AS SPECIFICALLY STATED.

2) ALL CONSTRUCTION SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE NORTH CAROLINA STATE RESIDENTIAL CODE - 2012 EDITION (2009 IRC), PLUS ALL LOCAL CODES AND REGULATIONS. THE STRUCTURAL ENGINEER IS NOT RESPONSIBLE FOR, AND WILL NOT HAVE CONTROL OF, CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE CONSTRUCTION WORK, NOR WILL THE ENGINEER BE RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO CARRY OUT THE CONSTRUCTION WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, "CONSTRUCTION REVIEW" SERVICES ARE NOT PART OF OUR CONTRACT. ALL MEMBERS SHALL BE FRAMED, ANCHORED, TIED AND BRACED IN ACCORDANCE WITH GOOD CONSTRUCTION PRACTICE AND THE BUILDING CODE.

3) DESIGN LOADS (R3Ø1.4) (LISTED AS: LIVE LOAD, DEAD LOAD, DEFLECTION LIMIT) ROOMS OTHER THAN SLEEPING ROOMS: (40 PSF, 10 PSF, L/360) SLEEPING ROOMS: (30 PSF, 10 PSF, L/360) ATTIC WITH PERMANENT STAIR: (40 PSF, 10 PSF, L/360) ATTIC WITH OUT PERMANENT STAIR: (20 PSF, 10 PSF, L/360) ATTIC WITH OUT STORAGE: (10 PSF, 10 PSF, L/240) STAIRS: (40 PSF, --, L/360) EXTERIOR BALCONIES: (60 PSF, 10 PSF, L/360) DECKS: (40 PSF, 10 PSF. L/360) GUARDRAILS AND HANDRAILS: (200 LBS) PASSENGER VEHICLE GARAGES: (50 PSF, 10 PSF, L/360) FIRE ESCAPES: (40 PSF, 10 PSF, L/360) SNOW: (20 PSF)

WIND LOAD: (BASED ON 100 MPH WIND VELOCITY)

4) WALL BRACING: WALLS SHALL BE BRACED ACCORDING TO R602.10- CODE AND COMMENTARY FOR 2012 NC RESIDENTIAL CODE (FINAL 03-06-2013; EFFECTIVE DATE SEPTEMBER 1, 2013). NOTE THAT THE BRACING AS SPECIFIED ON THE PLANS IS BASED ON THE PRESCRIPTIVE BRACING REQUIREMENTS OF THE CODE AND SHALL BE VERIFIED AND/OR APPROVED BY THE CODE OFFICIAL

5) CONCRETE SHALL HAVE A MINIMUM 28 DAY STRENGTH OF 3000 PSI AND A MAXIMUM SLUMP OF 5 INCHES UNLESS NOTED OTHERWISE (UNO). AIR ENTRAINED PER TABLE 4022. ALL CONCRETE SHALL BE PROPORTIONED, MIXED, HANDLED, SAMPLED, TESTED, AND PLACED IN ACCORDANCE WITH ACI STANDARDS. ALL SAMPLES FOR PUMPING SHALL BE TAKEN FROM THE EXIT END OF THE PUMP.

6) ALLOWABLE SOIL BEARING PRESSURE ASSUMED TO BE 2000 PSF. THE CONTRACTOR MUST CONTACT A GEOTECHNICAL ENGINEER AND THE STRUCTURAL ENGINEER IF UNSATISFACTORY SUBSURFACE CONDITIONS ARE ENCOUNTERED. THE SURFACE AREA ADJACENT TO THE FOUNDATION WALL SHALL BE PROVIDED WITH ADEQUATE DRAINAGE, AND SHALL BE GRADED SO AS TO DRAIN SURFACE WATER AWAY FROM FOUNDATION WALLS.

1) ALL FRAMING LUMBER SHALL BE SPF \*2 (Fb = 875 PSI) UNLESS NOTED OTHERWISE (UNO). ALL TREATED LUMBER SHALL BE SYP \* 2 (Fb=975 PSI). PLATE MATERIAL MAY BE SPF \* 3 OR SYP \*3 (Fc(perp) = 425 PSI

8) ALL WOODEN BEAMS AND HEADERS SHALL HAVE THE FOLLOWING END SUPPORTS: (1) 2x4 STUD COLUMN FOR 6'-0" MAX. BEAM SPAN (UNO), (2) 2X4 STUDS FOR BEAM SPAN GREATER THAN 6'-0" (UNO).

9) L.Y.L. SHALL BE LAMINATED VENEER LUMBER: Fb=2600 PSI, Fv=285 PSI, E=1,900,000 PSI. P.S.L. SHALL BE PARALLEL STRAND LUMBER: Fb=2900 PSI, Fv=290 PSI, E=2,000,000 PSI, L.S.L. SHALL BE LAMINATED STRAND LUMBER: Fb=2250 PSI, Fv=400 PSI, E=1,550,000 PSI. INSTALL ALL CONNECTIONS PER MANUFACTURERS INSTRUCTIONS.

10) ALL ROOF TRUSS AND I-JOIST LAYOUTS SHALL BE PREPARED IN ACCORDANCE WITH THE SEALED STRUCTURAL DRAWINGS. TRUSSES AND 1-JOISTS SHALL BE INSTALLED ACCORDING TO THE MANUFACTURE'S SPECIFICATIONS. ANY CHANGE IN TRUSS OR I-JOIST LAYOUT SHALL BE COORDINATED WITH SOUTHERN ENGINEERS.

11) ALL STRUCTURAL STEEL SHALL BE ASTM A-36. STEEL BEAMS SHALL BE SUPPORTED AT EACH END WITH A MINIMUM BEARING LENGTH OF 3 1/2" INCHES AND FULL FLANGE WIDTH. PROVIDE SOLID BEARING FROM BEAM SUPPORT TO FOUNDATION. BEAMS SHALL BE ATTACHED TO EACH SUPPORT WITH TWO LAG SCREWS (1/2" DIAMETER x 4" LONG). LATERAL SUPPORT IS CONSIDERED ADEQUATE PROVIDED THE JOIST ARE TOE NAILED TO THE SOLE PLATE, AND SOLE PLATE IS NAILED OR BOLTED TO THE BEAM FLANGE @ 48" O.C. ALL STEEL TUBING SHALL BE ASTM A500.

12) REBAR SHALL BE DEFORMED STEEL, ASTM615, GRADE 60.

13) FLITCH BEAMS SHALL BE BOLTED TOGETHER USING (2) ROWS OF 1/2" DIAMETER BOLTS (ASTM A325) WITH WASHERS PLACED UNDER THE THREADED END OF BOLT. BOLTS SHALL BE SPACED AT 24" O.C. (MAX), AND STAGGERED AT THE TOP AND BOTTOM OF BEAM (2" EDGE DISTANCE), WITH 2 BOLTS LOCATED AT 6" FROM EACH END.

14) BRICK LINTELS SHALL BE 3 1/2"x3 1/2"x1/4" STEEL ANGLE FOR UP TO 6'-0" SPAN AND 6"x4"x5/16" STEEL ANGLE WITH 6" LEG VERTICAL FOR SPANS UP TO 9'-0" (UNO).

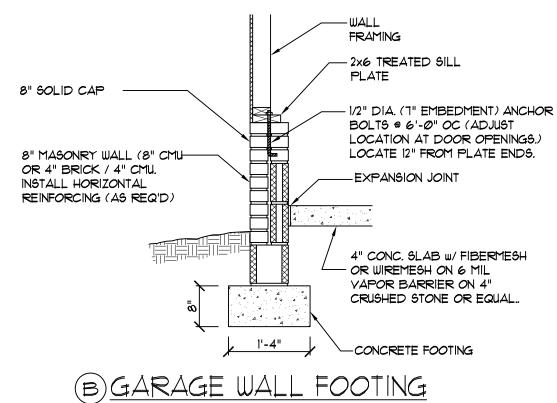
15) THE POSITIVE AND NEGATIVE DESIGN PRESSURE FOR DOORS AND WINDOWS FOR A MEAN ROOF HEIGHT OF 35 FEET OR LESS SHALL BE 25 PSF. THE POSITIVE AND NEGATIVE DESIGN PRESSURES REQUIRED FOR ANY ROOF OR WALL CLADDING APPLICATION NOT SPECIFICALLY ADDRESSED IN THE NORTH CAROLINA STATE RESIDENTIAL CODE - 2012 EDITION SHALL BE AS FOLLOWS:

45.4 PSF - 2.25:12 PITCH OR LESS 34.8 PSF - 2.25:12 TO 7:12 PITCH 21 PSF - 7:12 TO 12:12 PITCH 24.1 PSF - WALLS

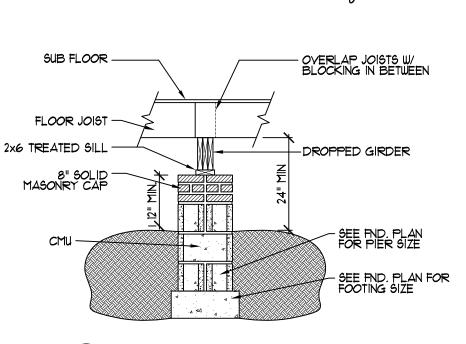
FRAMING 8" SOLID CAP SYSTEM - 2x6 TREATED SILL PLATE 8" MASONRY WALL (8" CMU-OR 4" BRICK / 4" CMU. INSTALL HORIZONTAL 1/2" DIA. (7" EMBEDMENT) ANCHOR REINFORCING (AS REQ'D) BOLTS @ 6'-0" OC (ADJUST LOCATION AT DOOR OPENINGS.) LOCATE 12" FROM PLATE ENDS. -CONCRETE FOOTING

(A) CRAWL SPACE FOOTING

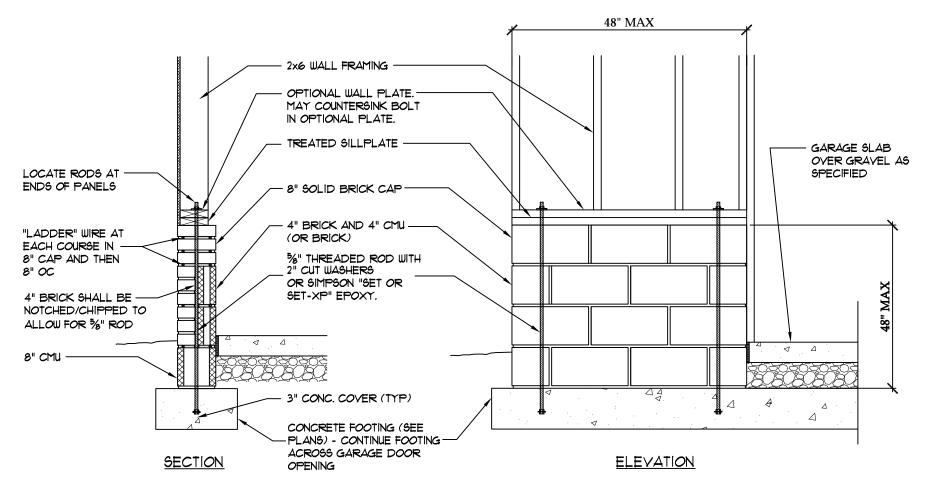
(SIDING OR EQUAL) NOTE: FOR 3-STORY, FTG WIDTH 1'-6" AND 10" DEPTH



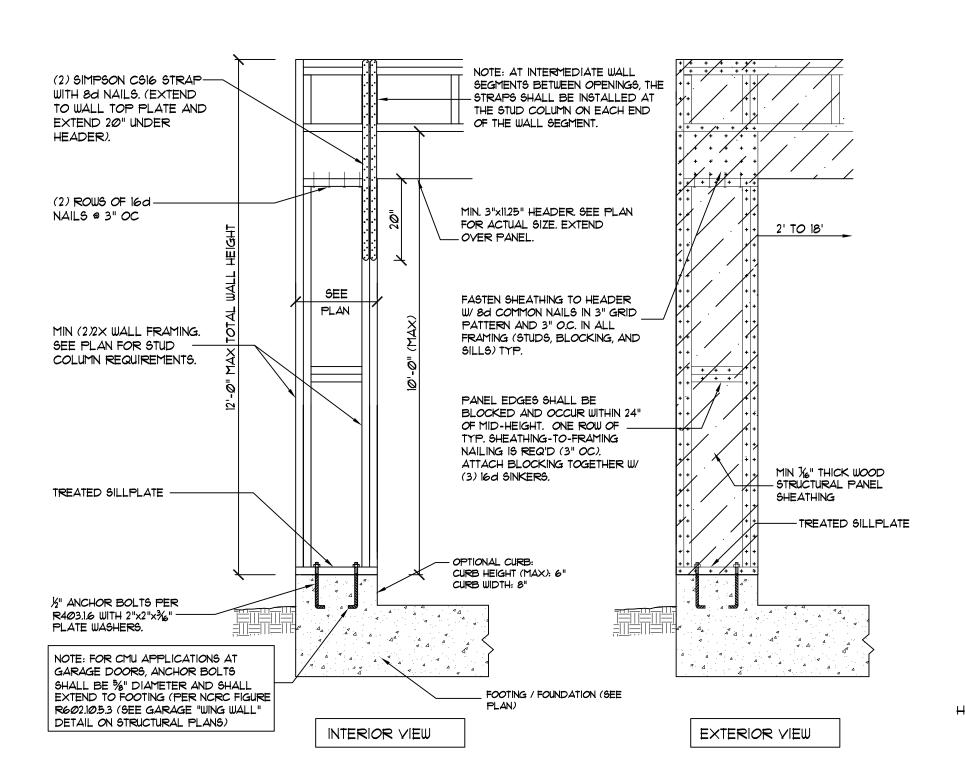
(SIDING OR EQUAL) NOTE: FOR 3-STORY, FTG WIDTH 1'-6" AND 10" DEPTH



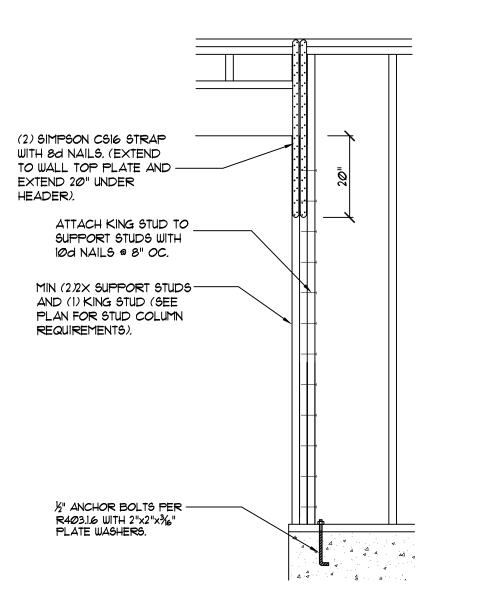
(C) DROPPED GIRDER



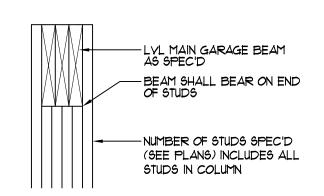
GARAGE 'WING WALL' REINFORCING (CODE REFERENCE: IRC FIGURE R602.10.5.3)



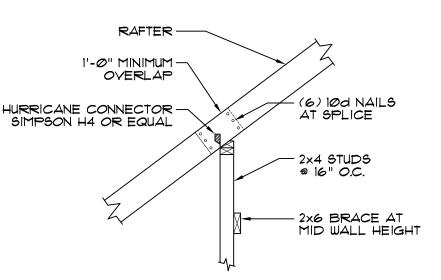
CS-PF: CONTINUOUS PORTAL FRAME CONSTRUCTION DETAIL AND APPLICATION BASED ON NORC FIGURE R602.10.1 - PORTAL FRAME CONSTRUCTION



END CONDITION DETAIL (FOR USE WITH SINGLE CS-PF CONDITION) DETAIL AND APPLICATION BASED ON NORC FIGURE R602.10.1 - PORTAL FRAME CONSTRUCTION



(G) TYP. GARAGE BEAM BEARING



H TYPICAL RAFTER SPLICE ON ATTIC KNEEWALL

President

878-1

(919)

Raleigh, I

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#

**PROJEC** 

RT JESIGN, INC.

165 HEATHERSTONE COUR
BENSON, NC 27504

919-207-1403 ARED QU. H

> IDENCE S RE KERIN 4 PIC]