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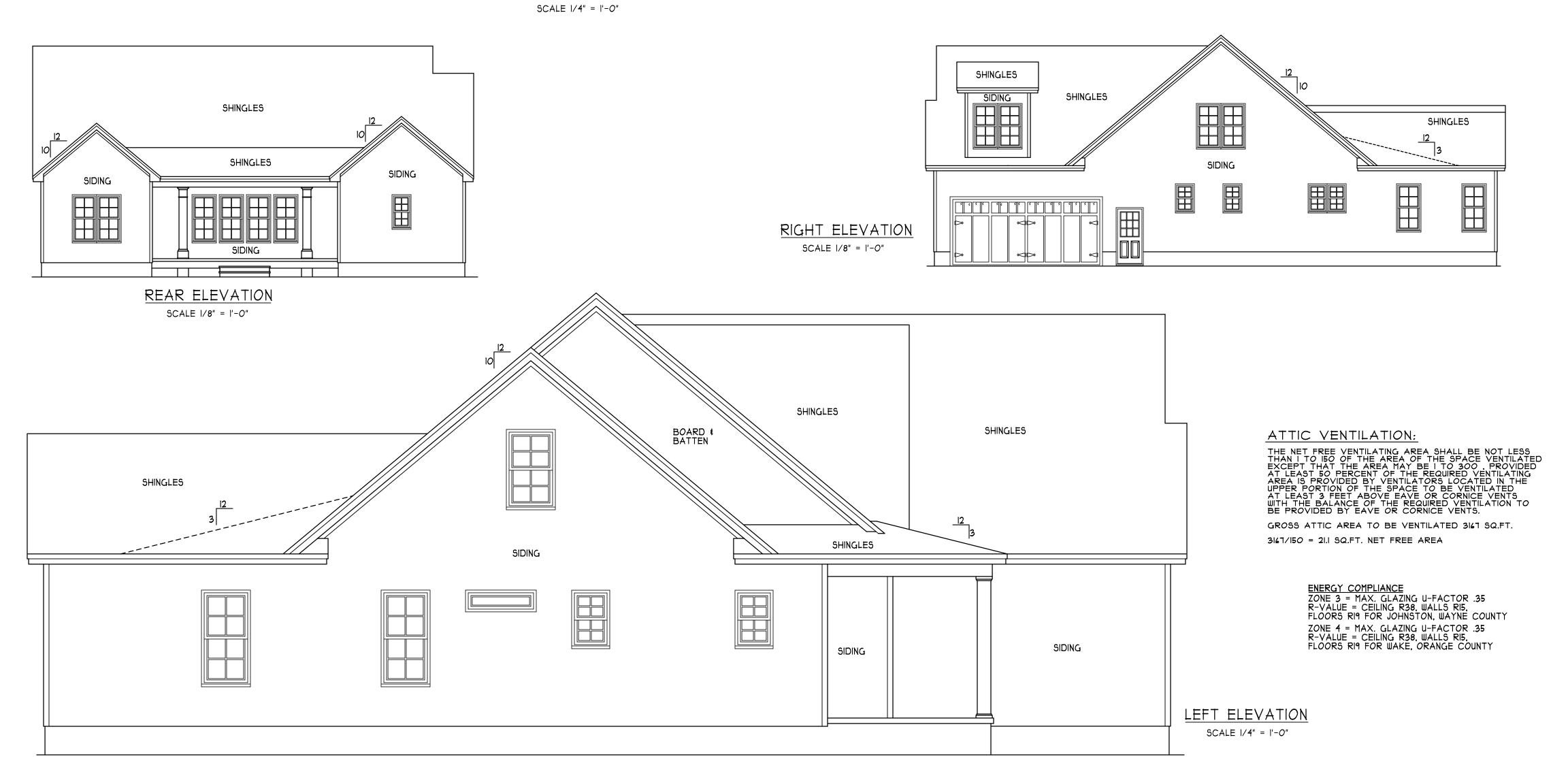
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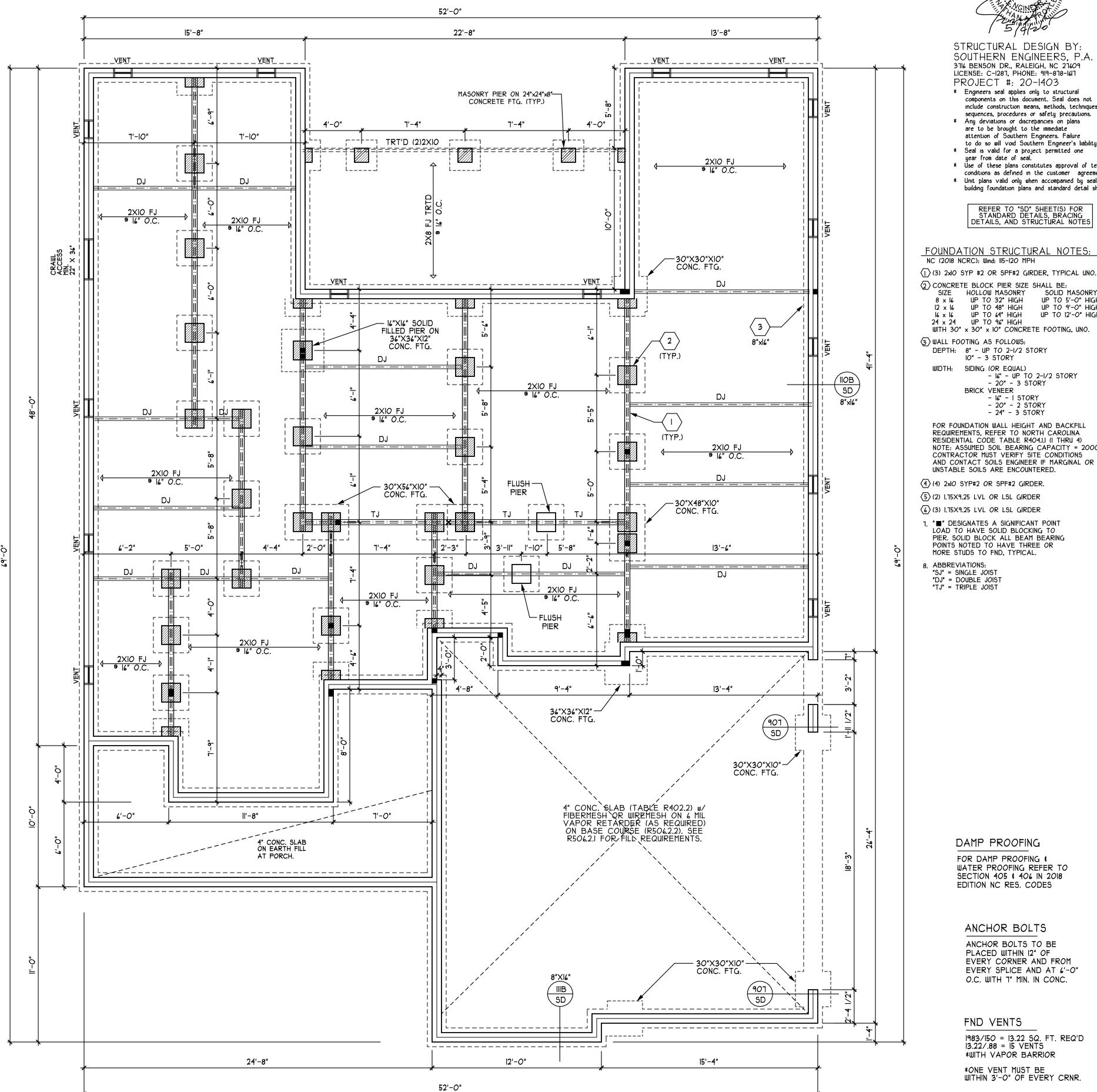
11/2 STORY

030720











STRUCTURAL DESIGN BY: SOUTHERN ENGINEERS. P.A. 3716 BENSON DR., RALEIGH, NC 27609 LICENSE: C-1287, PHONE: 919-878-1617 PROJECT #: 20-1403

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year from date of seal. * Use of these plans constitutes approval of terms \$ conditions as defined in the customer agreement. * Unit plans valid only when accompanied by sealed

building foundation plans and standard detail sheets

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

FOUNDATION STRUCTURAL NOTES: NC (2018 NCRC): Wind: 115-120 MPH

 $\langle 1 \rangle$ (3) 2x10 SYP #2 OR SPF#2 GIRDER, TYPICAL UNO.

(2) CONCRETE BLOCK PIER SIZE SHALL BE: SIZE HOLLOW MASONRY SOLID MASONRY UP TO 5'-O" HIGH 8 x 16 UP TO 32" HIGH 12 x 16 UP TO 48" HIGH 16 x 16 UP TO 64" HIGH UP TO 12'-0" HIGH 24 x 24 UP TO 96" HIGH

WITH 30" x 30" x 10" CONCRETE FOOTING, UNO. 3 WALL FOOTING AS FOLLOWS: DEPTH: 8" - UP TO 2-I/2 STORY

10" - 3 STORY WIDTH: SIDING (OR EQUAL) - 16" - UP TO 2-1/2 STORY - 20" - 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.I.I (I THRU 4) NOTE: ASSUMED SOIL BEARING CAPACITY = 2000 PSF.

UNSTABLE SOILS ARE ENCOUNTERED. (4) (4) 2xIO SYP#2 OR SPF#2 GIRDER. (5) (2) 1.75X9.25 LVL OR LSL GIRDER

(6) (3) 1.75X9.25 LVL OR LSL GIRDER 7. " I" 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.

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

DAMP PROOFING

FOR DAMP PROOFING \$ WATER PROOFING REFER TO SECTION 405 \$ 406 IN 2018 EDITION NC RES. CODES

ANCHOR BOLTS

ANCHOR BOLTS TO BE PLACED WITHIN 12" OF EVERY CORNER AND FROM EVERY SPLICE AND AT 6'-O" O.C. WITH 1" MIN. IN CONC.

FND VENTS 1983/150 = 13.22 SQ. FT. REQ'D 13.22/.88 = 15 VENTS

*WITH VAPOR BARRIOR *ONE VENT MUST BE WITHIN 3'-O" OF EVERY CRNR.

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

BLDRS

LILLINGTON
DE LOAD GARAGE URLES Ω THE HDCH

> 3 30 #

CT HALL TONE 27504 -1403

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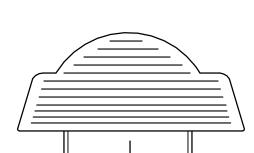
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04/16/20

11/2 STORY

030720

52'-0"



BLDRS LILLINGTON
SIDE LOAD GARAGE
SURLES BLD THE HOGH

#3037

= 1983 = 1054 = 454 = 730

:SIGNED BY:

HEATHER HALL

165 HEATHERSTONE CT

BENSON NC 27504

(919) 207-1403

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DATE: 04/16/20

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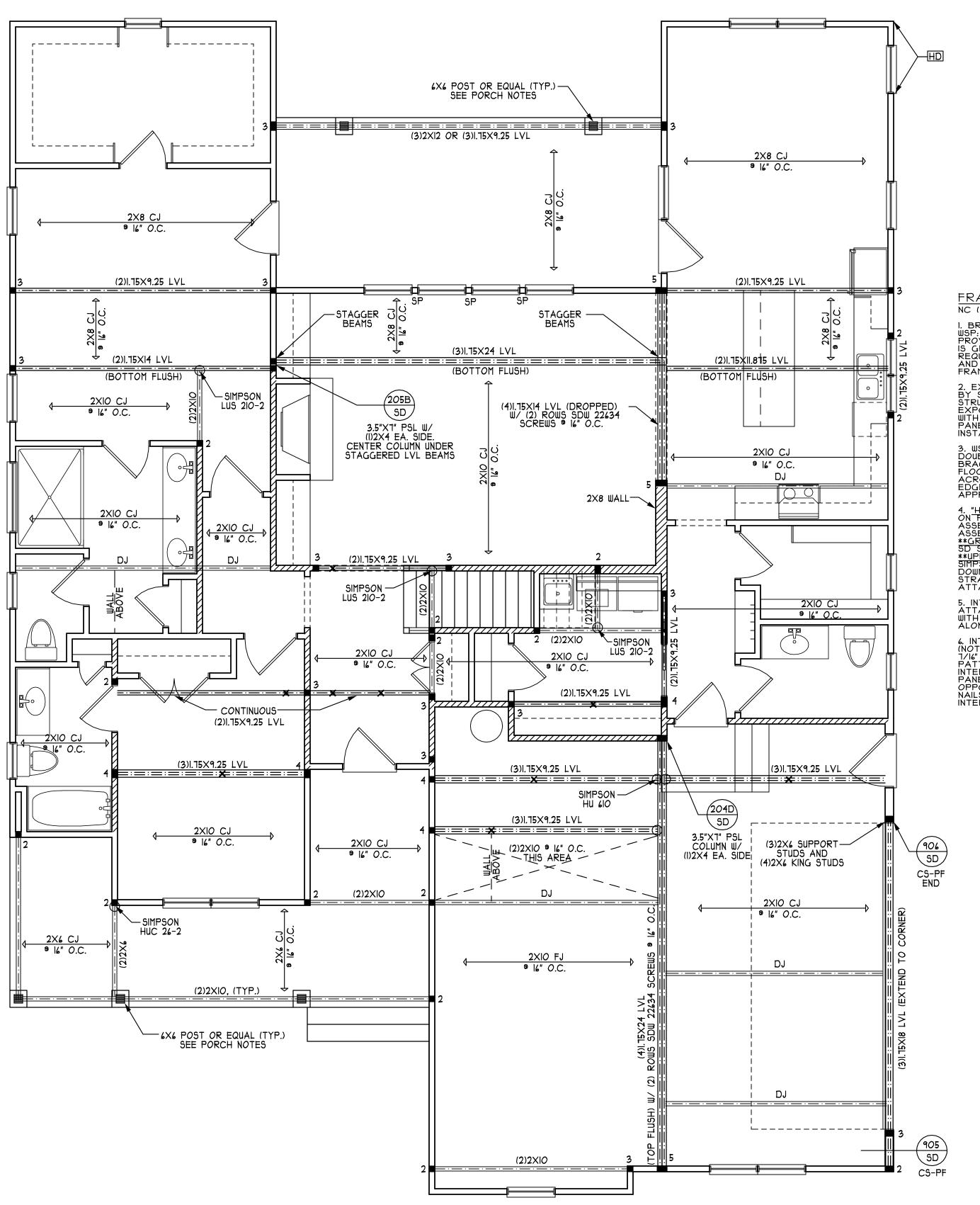
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DATE: 04/16/20

11/2 STORY

FIRST FLOOR PLAN SCALE 1/4'' = 1'-0''FILE: 030720



STRUCTURAL DESIGN BY: SOUTHERN ENGINEERS. P.A. 3716 BENSON DR., RALEIGH, NC 27609 LICENSE: C-1281, PHONE: 919-818-1611 PROJECT #: 20-1403 * Engineers seal applies only to structural

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- conditions as defined in the customer agreement. * Unit plans valid only when accompanied by sealed building foundation plans and standard detail sheets

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

FRAMING NOTES: NC (2018 NCRC): Wind: 115-120 mph

I. BRACING METHOD AND TYPE: CONTINUOUSLY SHEATHED WSP: CS-WSP. NOTE THAT THE WALL BRACING AMOUNT PROVIDED 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 AND WALL

2. EXTERIOR WALL SHEATHING: WALLS SHALL BE BRACED BY SHEATHING WALLS ON ALL STORIES WITH WOOD STRUCTURAL PANEL SHEATHING (WSP) (EXPOSURE B: 1/16". EXPOSURE C: 15/32"). SHEATHING SHALL BE ATTACHED WITH 8d NAILS AT A 6"/12" NAILING PATTERN (6" O.C AT PANEL EDGES AND 12" OC AT INTERMEDIATE SUPPORTS). INSTALL BLOCKING AT ALL PANEL EDGES.

3. WSP SHEATHING SHALL EXTEND TO THE UPPERMOST DOUBLE BEARING PLATE. BLOCK AT ROOF AND ATTACH BRACED WALLS PER CODE. WSP SHEATHING BETWEEN FLOORS SHALL BE SPLICED ACROSS STUDS (CONTINUOUS ACROSS FLOOR SYSTEM) WITH BLOCKING AT PANEL EDGES. MINIMUM 12" BEYOND FLOOR BREAK) OR OTHER APPROVED METHOD.

4. "HD" = HOLDOWN: HOLD-DOWN DEVICE (NOTED AS "HD" ON PLANS) SHALL BE AN 800 POUND CAPACITY ASSEMBLY AS NOTED ON PLANS. SEE DETAILS FOR HD ASSEMBLY. ASSEMBLY.

**GROUND/FIRST FLOOR: USE "HD HOLD-DOWN DETAIL" ON SD SHEET (OR EQUIV).

**UPPER FLOORS: ATTACH BASE OF KING STUD WITH A SIMPSON CS22 STRAP DOWN ACROSS THE BAND AND DOWN TO A STUD BELOW OR HEADER BELOW. EXTEND STRAP 1" MIN ALONG EACH STUD (OR HEADER) AND ATTACH EACH END W/ (1) 8d NAILS.

5. INTERIOR BRACED WALL: (NOTED AS "IBW" ON PLANS)
ATTACH 1/2" GYPSUM BOARD (GB) 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. 6. INTERIOR BRACED WALL-WOOD STRUCTURAL PANEL:
(NOTED AS "IBW-WSP" ON PLANS). ATTACH ONE SIDE WITH
1/16" WSP SHEATHING WITH 8d NAILS AT A 6"/12" NAILING
PATTERN (6" OC AT PANEL EDGES AND 12" OC AT
INTERMEDIATE SUPPORTS). INSTALL BLOCKING AT ALL
PANEL EDGES. ATTACH GB OVER WSP REQUIRED. ATTACH
OPPOSITE SIDE WITH 1/2" GB WITH A MIN. OF 5d COOLER
NAILS OR #6 SCREWS © 1" OC ALONG THE EDGES AND AT
INTERMEDIATE SUPPORTS.

> HEADER/BEAM & COLUMN NOTES I. ALL EXTERIOR AND LOAD
> BEARING HEADERS SHALL BE MIN.
> (2) 2xIO (4" WALL) OR (3) 2xIO (6" WALL)
> WITH (1) SUPPORT STUD, UNLESS NOTED OTHERWISE.

2. THE NUMBER SHOWN AT BEAM AND HEADER SUPPORTS INDICATES THE NUMBER OF SUPPORT STUDS REQUIRED IN STUD POCKET OR COLUMN. THE NUMBER OF KING STUDS AT EACH END OF HEADERS IN EXTERIOR WALLS SHALL BE ACCORDING TO ITEM "d" IN TABLE R602.3(5) OR AS BELOW:

· UP TO 4' SPAN: (I) KING STUD - OVER 4' UP TO 8' SPAN: (2) KING STUDS - OVER 8' UP TO II' SPAN: (3) KINGS STUDS - OVER II' SPAN: (4) KING STUDS

PORCH POST NOTES: - 4"x4" (4"x6") TRT'D POST (OR EQUAL). - ATTACH TRUSSES (RAFTERS) AT PORCH WITH HURRICANE CONNECTORS. I. POST CAP: SIMPSON AC4-MAX (AC6-MAX) 2. POST CAP AT CORNER: (2) SIMPSON LCE4 (MITER HEADER AT CORNER). HIGH WIND; ADD (I) SIMPSON H4. 3. POST BASE: SIMPSON ABU44 (ABU44).
3.I. MONO: 5/8" ANCHOR (EMBED 1")
3.2. CMU: 5/8" ANCHOR (EXTEND TO FOOTING -4. POST BASE: WOOD FOUNDATION: (2) SIMPSON CSI6 STRAPS AT POSTS. EXTEND 12" ONTO EACH POST (UPPER AND LOWER) OR TO GIRDER. - NOTE: EQUIVALENT POST CAP AND BASE ACCEPTABLE.

I. BRACING METHOD AND TYPE: CONTINUOUSLY SHEATHED WSP: CS-WSP. NOTE THAT THE WALL BRACING AMOUNT PROVIDED 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 AND WALL FRAMING.

2. EXTERIOR WALL SHEATHING: WALLS SHALL BE BRACED BY SHEATHING WALLS ON ALL STORIES WITH WOOD STRUCTURAL PANEL SHEATHING (WSP) (EXPOSURE B: 1/16". EXPOSURE C: 15/32"). SHEATHING SHALL BE ATTACHED WITH 8d NAILS AT A 6"/12" NAILING PATTERN (6" O.C AT PANEL EDGES AND 12" OC AT INTERMEDIATE SUPPORTS). INSTALL BLOCKING AT ALL PANEL EDGES.

3. WSP SHEATHING SHALL EXTEND TO THE UPPERMOST DOUBLE BEARING PLATE. BLOCK AT ROOF AND ATTACH BRACED WALLS PER CODE. WSP SHEATHING BETWEEN FLOORS SHALL BE SPLICED ACROSS STUDS (CONTINUOUS ACROSS FLOOR SYSTEM) WITH BLOCKING AT PANEL EDGES. MINIMUM 12" BEYOND FLOOR BREAK) OR OTHER APPROVED METHOD.

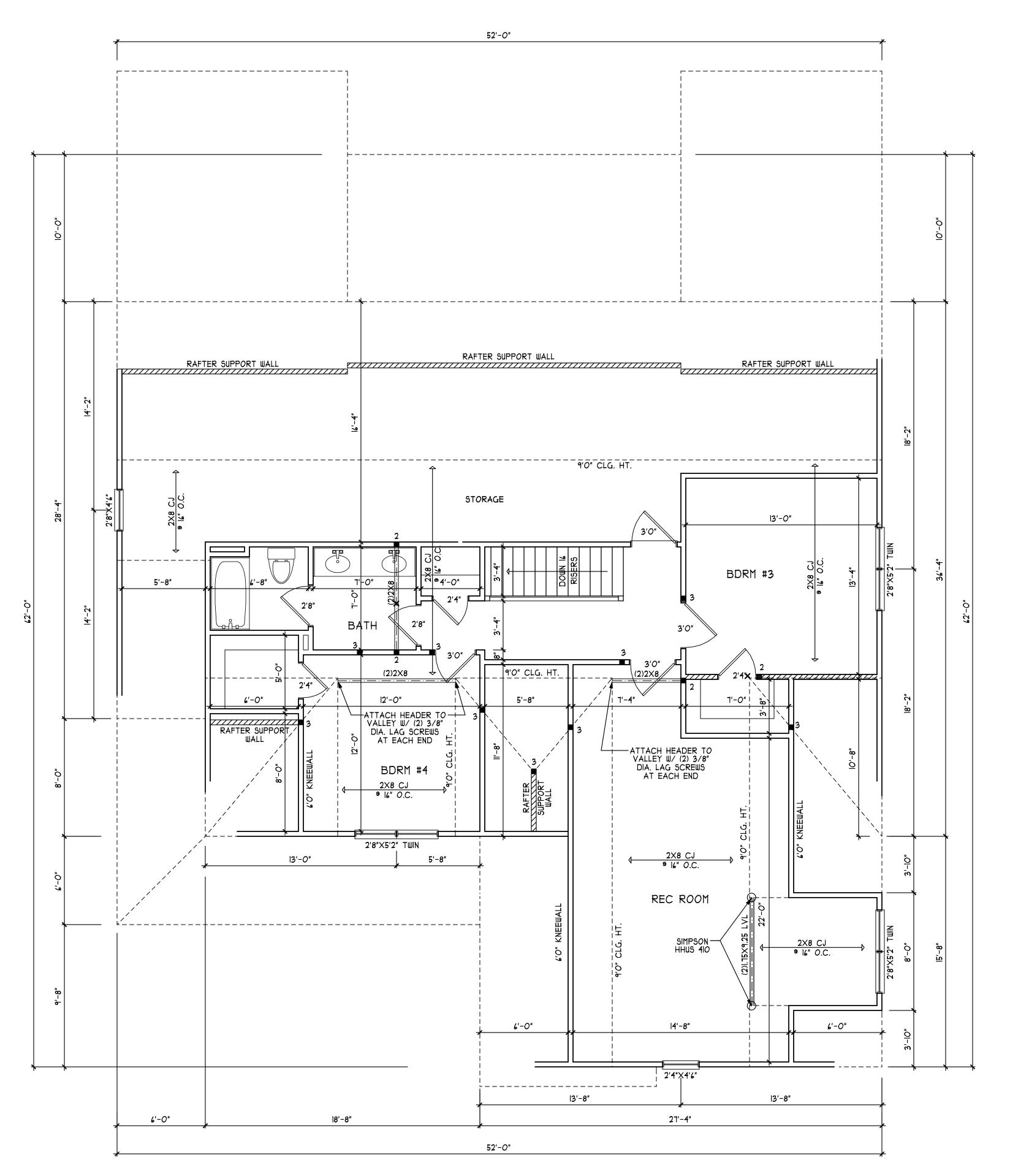
4. "HD" = HOLDOWN: HOLD-DOWN DEVICE (NOTED AS "HD" ON PLANS) SHALL BE AN 800 POUND CAPACITY ASSEMBLY AS NOTED ON PLANS. SEE DETAILS FOR HD ASSEMBLY.

**GROUND/FIRST FLOOR: USE "HD HOLD-DOWN DETAIL" ON SD SHEET (OR EQUIV).

**UPPER FLOORS: ATTACH BASE OF KING STUD WITH A SIMPSON CS22 STRAP DOWN ACROSS THE BAND AND DOWN TO A STUD BELOW OR HEADER BELOW. EXTEND STRAP 1" MIN ALONG EACH STUD (OR HEADER) AND ATTACH EACH END W/ (1) 8d NAILS.

5. INTERIOR BRACED WALL: (NOTED AS "IBW" ON PLANS) ATTACH I/2" GYPSUM BOARD (GB) 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. 6. INTERIOR BRACED WALL-WOOD STRUCTURAL PANEL: (NOTED AS "IBW-WSP" ON PLANS). ATTACH ONE SIDE WITH 7/16" WSP SHEATHING WITH 8d NAILS AT A 6"/12" NAILING PATTERN (6" OC AT PANEL EDGES AND 12" OC AT INTERMEDIATE SUPPORTS). INSTALL BLOCKING AT ALL PANEL EDGES. ATTACH GB OVER WSP REQUIRED. ATTACH OPPOSITE SIDE WITH 1/2" GB WITH A MIN. OF 5d COOLER NAILS OR #6 SCREWS ® 1" OC ALONG THE EDGES AND AT INTERMEDIATE SUPPORTS.

HEADER/BEAM & COLUMN NOTES I. ALL EXTERIOR AND LOAD BEARING HEADERS SHALL BE MIN. (2) 2xIO (4" WALL) OR (3) 2xIO (6" WALL) WITH (1) SUPPORT STUD, UNLESS NOTED OTHERWISE. 2. THE NUMBER SHOWN AT BEAM AND HEADER SUPPORTS INDICATES THE NUMBER OF SUPPORT STUDS REQUIRED IN STUD POCKET OR COLUMN. THE NUMBER OF KING STUDS AT EACH END OF HEADERS IN EXTERIOR WALLS SHALL BE ACCORDING TO ITEM "d" IN TABLE R602.3(5) OR AS BELOW: UP TO 4' SPAN: (I) KING STUD OVER 4' UP TO 8' SPAN: (2) KING STUDS OVER 8' UP TO II' SPAN: (3) KINGS STUDS OVER II' SPAN: (4) KING STUDS





STRUCTURAL DESIGN BY: SOUTHERN ENGINEERS, P.A. 3716 BENSON DR., RALEIGH, NC 27609 LICENSE: C-1287, PHONE: 919-878-1617

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CTHALL STONE 27504 -1403

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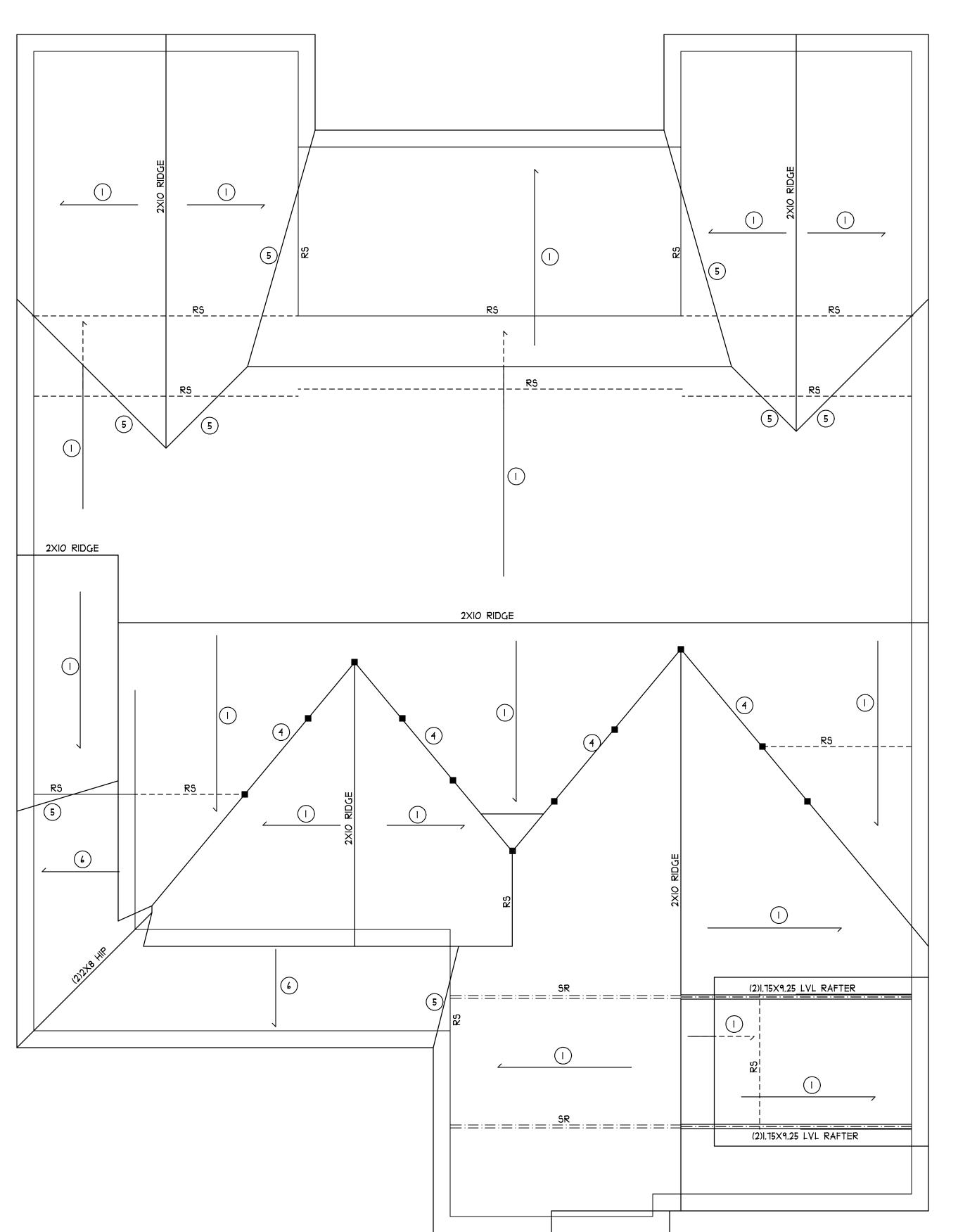
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04/16/20

11/2 STORY

030720

SECOND FLOOR PLAN SCALE 1/4" = 1'-0"





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

ROOF FRAMING NOTES:

- NC (2018 NCRC): Wind: 115-120 MPH
- 1) 2x8 RAFTERS @ 16" O.C. WITH 2x10 RIDGE, UNO.
- (2) 2xIO OR 1.75xII.875 LVL HIP. (2) 2xIO HIPS MAY BE SPLICED WITH A MIN. 6'-O" OVERLAP AT CENTER
- (3) (2) 2xIO OR 1.75x9.25 LVL VALLEY. DO NOT SPLICE VALLEYS
- (4) 1.75x11.875 LVL OR (2)1.75x9.25 LVL VALLEY.
- (5) FALSE FRAME VALLEY ON 2x10 FLAT PLATE (6) 2x6 RAFTERS @ 16" O.C. W/ 2x8 RIDGE, UNO.
- (7) 2xIO RAFTERS 9 I6" O.C. W/ 2xI2 RIDGE, UNO. (8) EXTEND RIDGE 12" BEYOND INTERSECTION
- "SR" = SINGLE RAFTER
- "DR" = DOUBLE RAFTER
- "TR" = TRIPLE RAFTER
- "RS" = ROOF SUPPORT
- "■" = (3) STUD OR 4x4 POST FOR ROOF SUPPORT (USE 2X6 OR 6X6 FOR SUPPORT POSTS OVER 10'-0" IN HEIGHT)
- ATTACH VAULTED RAFTERS WITH HURRICANE CLIPS: SIMPSON "H2.5A" OR EQUIVALENT. TIES TO BE INSTALLED ON THE OUTSIDE FACE FRAMING.
- INSTALL RAFTER TIES AND COLLAR TIES PER SECTION R802.3.I OF THE 2018 NC RESIDENTIAL CODE

BLDRS LILLINGTON SIDE LOAD GARAGE URLES Ω THE

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1983 1054 454 730 11 11 11 11

EATHER HALL
EATHERSTONE (SON NC 27504 919) 207-1403

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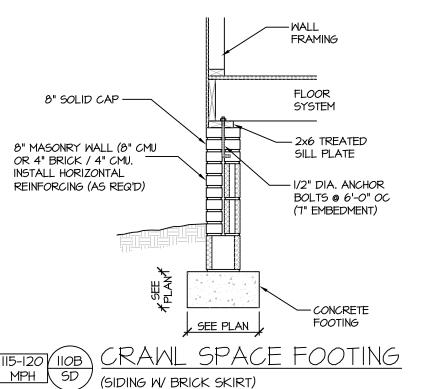
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1 1/2 STORY FILE: 030720

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

STRUCTURAL NOTES

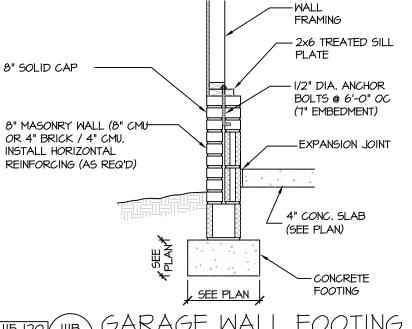
- NC (2018 NCRC): Wind: 115-120 mph
- ENGINEER'S SEAL APPLIES ONLY TO STRUCTURAL COMPONENTS INCLUDING ROOF RAFTERS, HIPS, VALLEYS, RIDGES, FLOORS, WALLS, BEAMS AND HEADERS, COLUMNS, CANTILEVERS, OFFSET LOAD BEARING WALLS, PIER & GIRDER SYSTEM, FOOTING, AND PILING SYSTEM. ENGINEER'S SEAL DOES NOT CERTIFY 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 RESIDENTIAL CODE, 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 (LISTED AS: LIVE LOAD, DEAD LOAD, DEFLECTION)
- ROOMS OTHER THAN SLEEPING ROOMS: (40 PSF, 10 PSF, L/360)
- SLEEPING ROOMS: (30 PSF, IO PSF, L/360)
- ATTIC WITH PERMANENT STAIR: (40 PSF, IO PSF, L/360)
- ATTIC WITHOUT PERMANENT STAIR: (20 PSF, IO PSF, L/360)
- ATTIC WITHOUT STORAGE: (10 PSF, 10 PSF, L/240)
- STAIRS: (40 PSF, 10 PSF, L/360) • EXTERIOR BALCONIES: (60 PSF, 10 PSF, L/360)
- DECKS: (40 PSF, IO PSF, L/360) GUARDRAILS AND HANDRAILS: (200 LBS)
- PASSSENGER VEHICLE GARAGES: (50 PSF, IO PSF, L/360)
- FIRE ESCAPES: (40 PSF, IO PSF, L/360)
- SNOW: (20 PSF)
- 4. WALLS SHALL BE BRACED BY SHEATHING WALLS ON ALL STORIES WITH WOOD STRUCTURAL PANELS. SEE FRAMING NOTES FOR THICKNESS AND NAILING REQUIREMENTS.
- 5. SEE APPENDIX M (DCA6) FOR EXTERIOR DECK REQUIREMENTS INCLUDING ATTACHMENTS FOR LATERAL LOADS.
- 6. 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 402.2. 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. CONTROL JOINTS IN SLABS SHALL BE SPACED ON A GRID OF +-30 TIMES THE DEPTH (D). CONTROL JOINTS SHALL BE SAWCUT TO A DEPTH OF I/D. (I.E. 4" CONCRETE SLABS SHALL HAVE 4" DEEP CONTROL JOINTS SAWCUT IN SLAB ON A +-10'-0" x +-10'-0" GRID).
- 7. ALLOWABLE SOIL BEARING PRESSURE ASSUMED TO BE 2000 PSF. THE CONTRACTOR MUST CONTACT A GEOTECHNICAL ENGINEER AND THE STRUCTUAL 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 DRAINSURFACE WATER AWAY FROM FOUNDATION WALLS.
- 8. ALL FRAMING LUMBER SHALL BE SPF #2 (Fb = 875 PSI) UNLESS NOTED OTHERWISE (UNO). ALL TREATED LUMBER SHALL BE SYP # 2. PLATE MATERIAL MAY BE SPF # 3 OR SYP #3 (Fc(perp) = 425 PSI - MIN)
- 9. L.V.L. SHALL BE LAMINATED VENEER LUMBER: Fb=2600 PSI, Fv=285 PSI, E=1.9xI0 PSI P.S.L. SHALL BE PARALLEL STRAND LUMBER: Fb=2900 PSI, Fv=290 PSI, E=2.0x10 PSI. L.S.L. SHALL BE LAMINATED STRAND LUMBER: Fb=2250 PSI, Fv=400 PSI, E=1.55xIO PSI. INSTALL ALL CONNECTIONS PER MANUFACTURERS INSTRUCTIONS.
- 10. ALL ROOF TRUSS AND 1-JOIST LAYOUTS SHALL BE PREPARED IN ACCORDANCE WITH THE SEALED STRUCTURAL DRAWINGS. TRUSSES AND I-JOISTS SHALL BE INSTALLED ACCORDING TO THE MANUFACTURE'S SPECIFICATIONS. ANY CHANGE IN TRUSS OR I-JOIST LAYOUT SHALL BE COORDINATED WITH SOUTHERN ENGINEERS.
- II. 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 PROVIDING 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. LAP ALL REBAR SPLICES 30 BAR DIAMETERS.
- 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 (WHEN REQUIRED) 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'-O". SEE PLANS FOR SPANS OVER 9'-0". SEE ALSO SECTION R703.7.3 LINTELS.



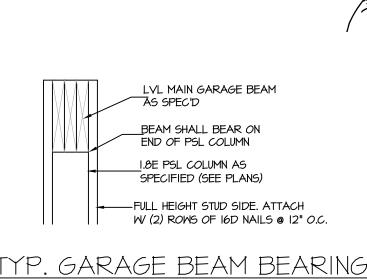
(2) SIMPSON CSI6 STRAP-

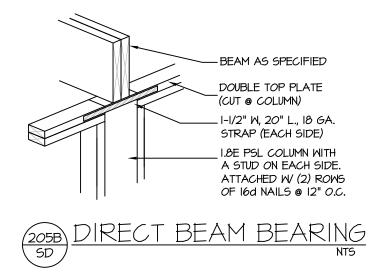
TO WALL TOP PLATE AND

WITH 8d NAILS. (EXTEND









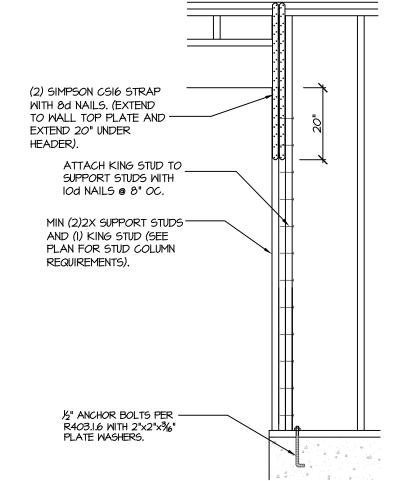
NOTE: AT INTERMEDIATE WALL

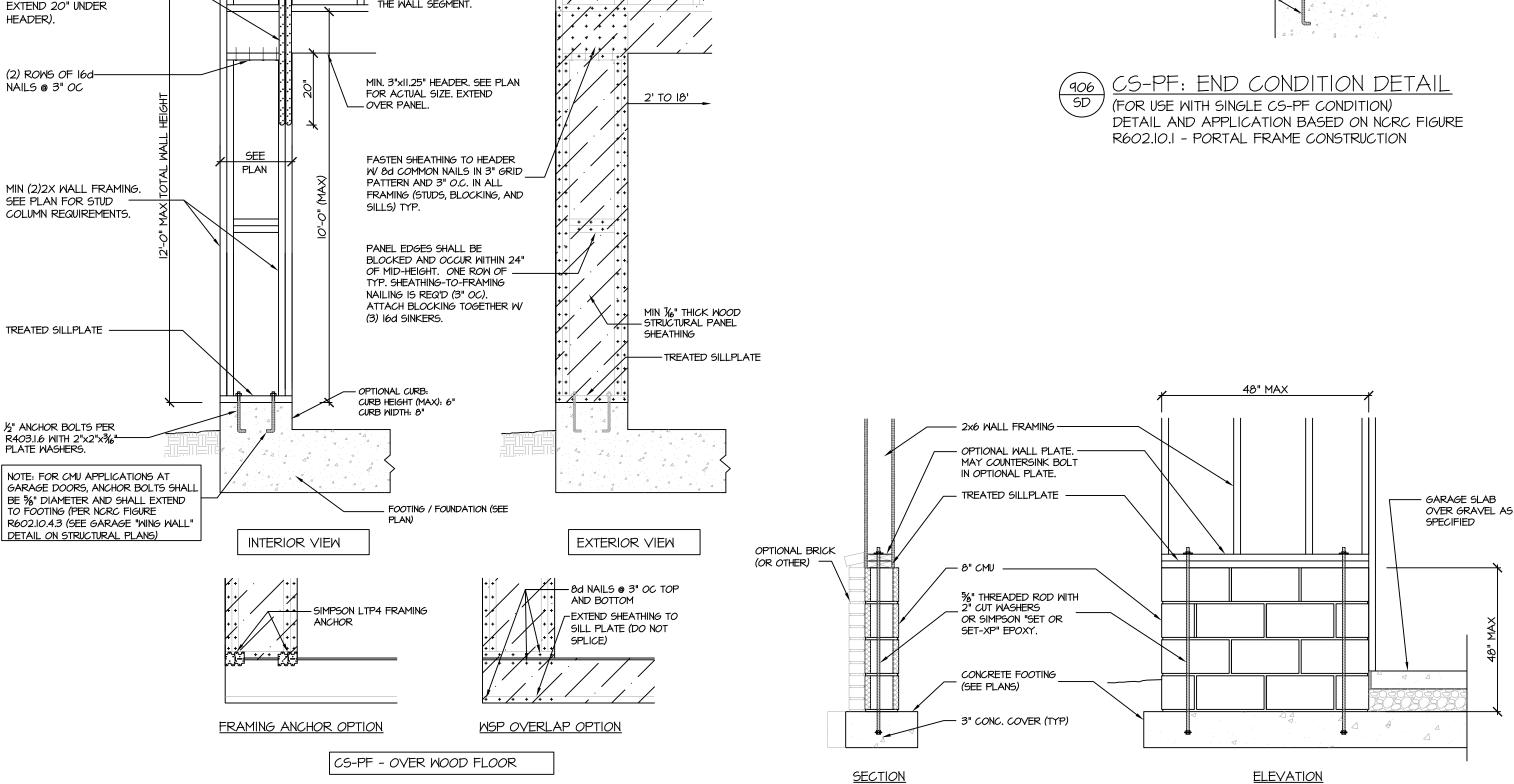
THE WALL SEGMENT

SEGMENTS BETWEEN OPENINGS, THE

THE STUD COLUMN ON EACH END OF

STRAPS SHALL BE INSTALLED AT





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

GARAGE 'WING WALL' REINFORCING PER IRC FIGURE R602.10.4.3

PROJECT # 20-1403

Raleigh, N 878-1617 C-1287 (919)Phone: Southern

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Heatherstone Ct, snson, NC 27504 one: (919) 207-1403 esign, 165 Hea Bensor

Phone:

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