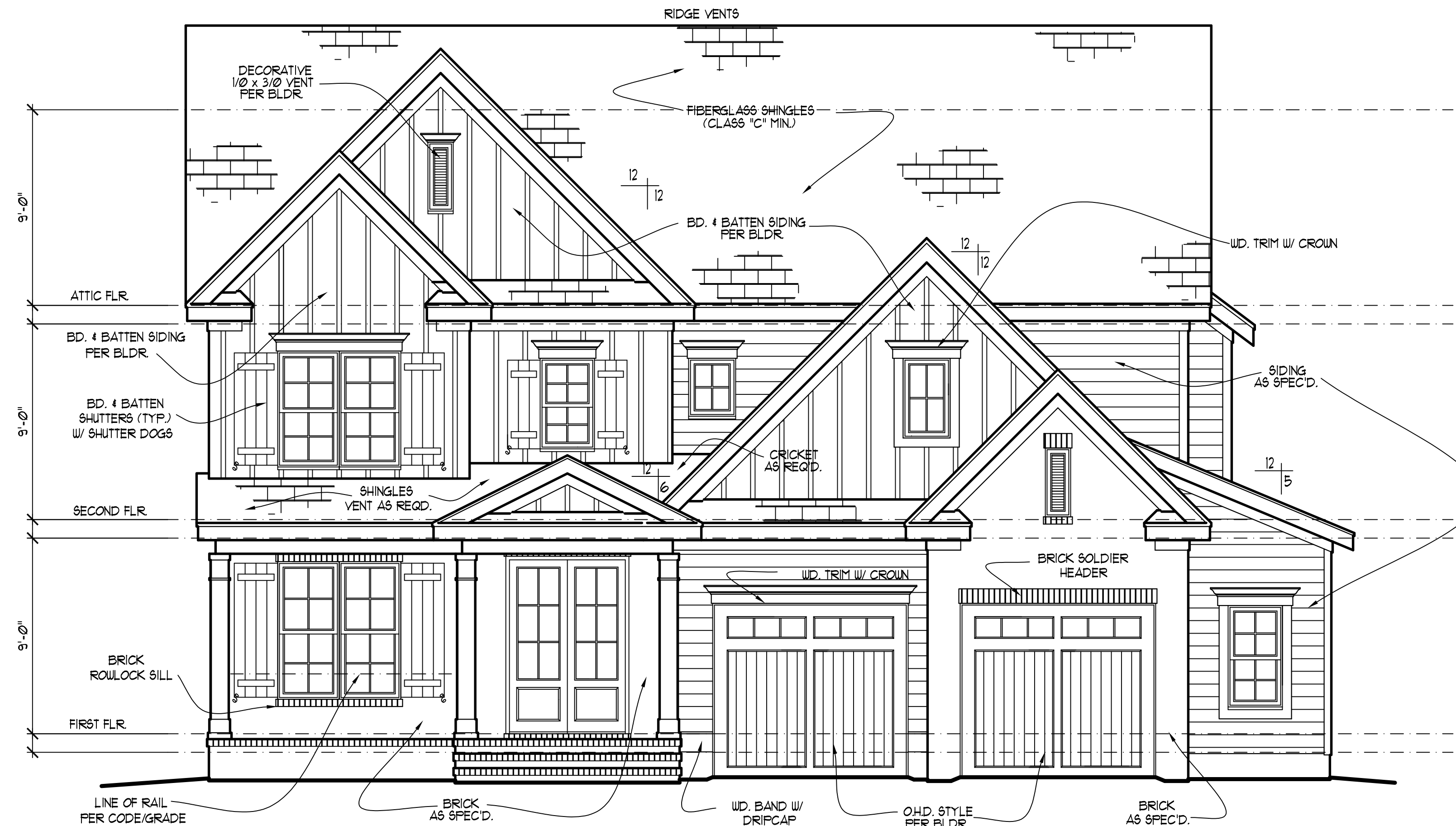


REAR ELEVATION
SCALE: -----1/4" = 1'-0"



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

NOTE!!
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ATTIC VENTILATION
2255 = 152 sq. ft. REQD.
300
* () - BASE / VENTS =
* () - BASE / VENTS =
* (90') - RIDGE VENT @ 9 sq.in./ft. = 5.62 SQ. FT.
TOTAL = 5.62 SQ. FT.

** PROVIDE CONTINUOUS SOFFIT VENT SURROUND TO EQUAL OR EXCEED 3.75 SQ. FT.
*** (OPT.) PROVIDE THERMOSTATICALLY CONTROLLED POWER VENT TO EQUAL OR EXCEED 3.75 SQ. FT.

CODE INFORMATION

* ZONE: (CHECK ONE)
ZONE 1
ZONE 2
ZONE 3

* GLAZING U-FACTOR
* R-VALUES

CEILING R-38
WALL R-15
FLOOR R-15
BSMT. WALL
SLAB PERIMETER
CRAWL SPACE WALL

* MEAN ROOF HEIGHT 29'-3"

* WALL AND ROOF CLADDING DESIGN VALUE:
(MEAN ROOF HGT. 30 FT. OR LESS)
CRAWL SPACE WALL
WALLS +8.0, -24.1
ROOF PITCH 0/12 TO 2/25/12 +10.0, -45.4
ROOF PITCH 2/25/12 TO 1/12 +10.4, -34.8
ROOF PITCH 1/12 TO 12/12 +16.5, -21.0
EXPOSURE ADJUSTMENT x

ALL DIMENSIONS, SITE CONDITIONS & CODES ARE TO BE VERIFIED BEFORE CONSTR. BEGINS. ONCE CONSTR. HAS BEGUN MURPHY GARNOW DESIGN GROUP, INC. WILL NOT ASSUME ANY LIABILITY FOR ANY EXPENSES ASSOCIATED WITH ERRORS & OMISSIONS.

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CARY, NORTH CAROLINA 27511
(919) 481-9115 FAX: (919) 481-6970
www.murphygarnowdesign.com

HALCYON HOMES
PRINCE PLACE
LOT # 32

DRAWN BY: TUG
DATE: 6-1-11
FILE NAME: HH-2-2989

REVISIONS	TUG	PLAN
6-11-11	TUG	PLAN
3-11-12	TUG	REV.
1-16-14	TUG	PLAN
11-12-15	TUG	PLAN

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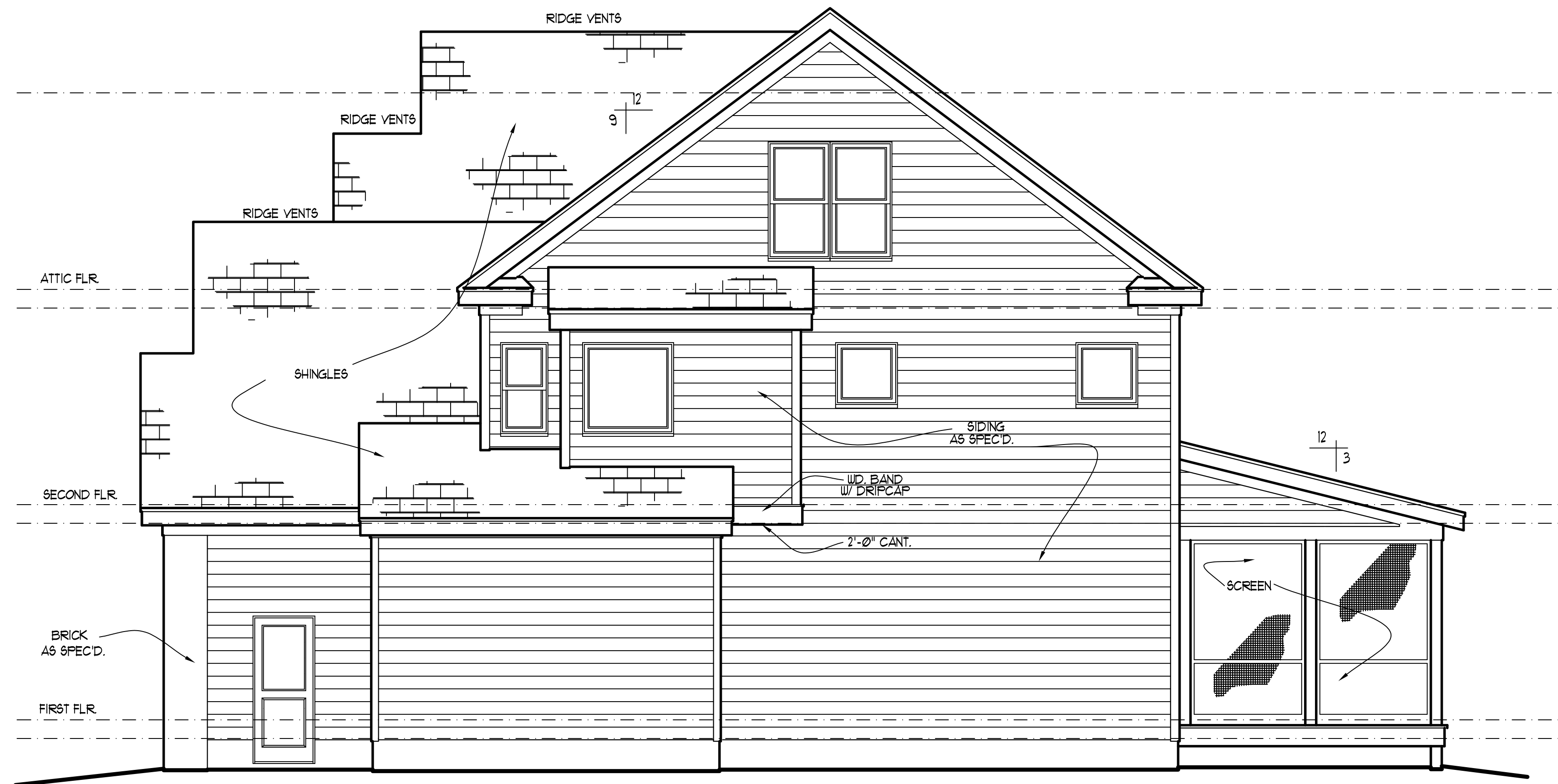
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HOUSE NUMBER:

PAGE NUMBER:

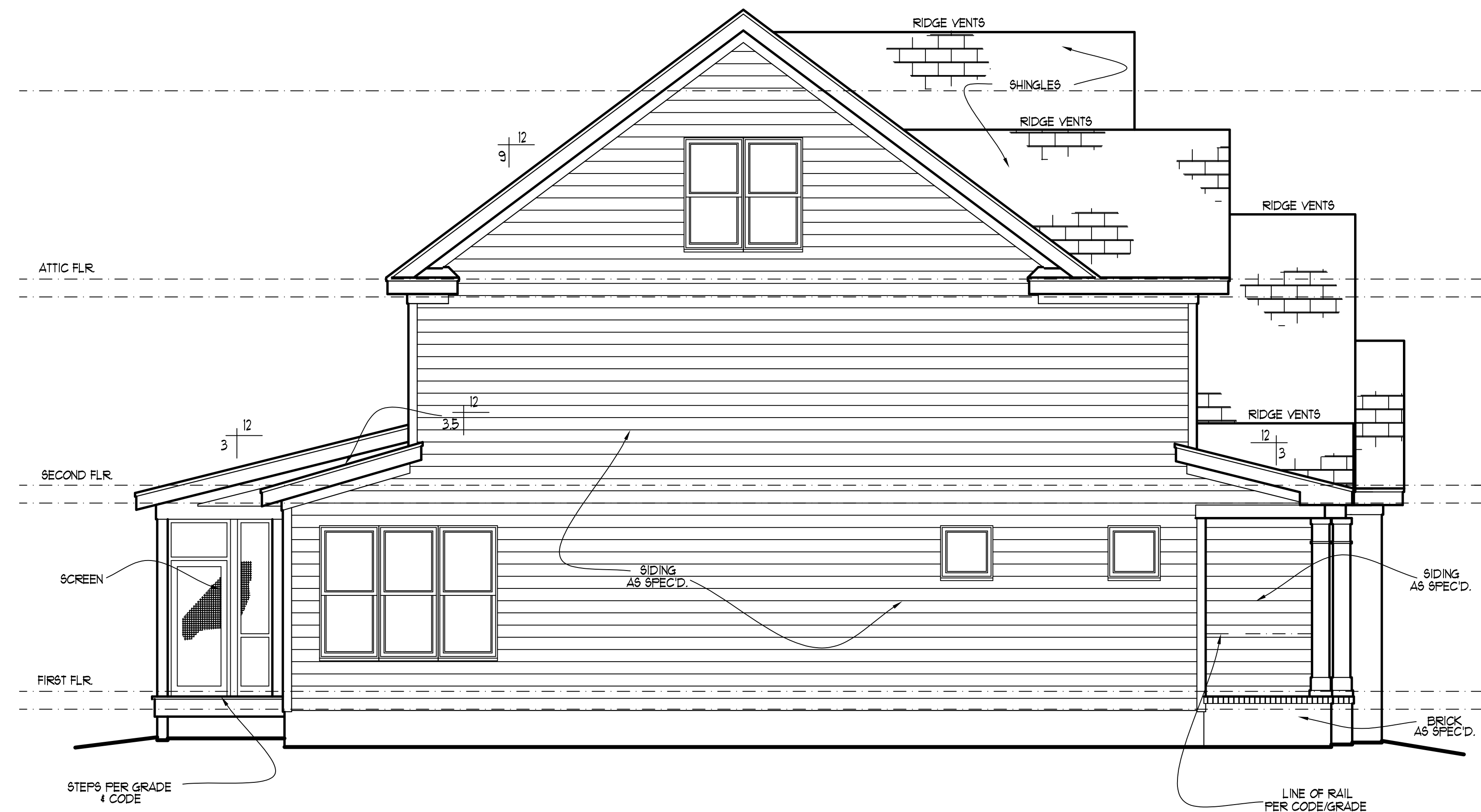
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THESE PLANS MEET THE REQUIREMENTS OF THE INTERNATIONAL RESIDENTIAL CODE 2015 EDITION AND THE NORTH CAROLINA RESIDENTIAL CODE 2015 EDITION.



RIGHT ELEVATION

SCALE:1/4" = 1'-0"



LEFT ELEVATION

SCALE:1/4" = 1'-0"

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HALCYON HOMES

PRINCE PLACE
 LOT # 32

DRAWN BY: TUG
 DATE: 6-1-11
 FILE NAME: HH-2-2989

REVISIONS	DATE	BY	DESCRIPTION
6-11-11	6-11-11	TUG	PLAN
3-11-12	3-11-12	TUG	REV.
1-16-14	1-16-14	TUG	PLAN
11-12-15	11-12-15	TUG	PLAN

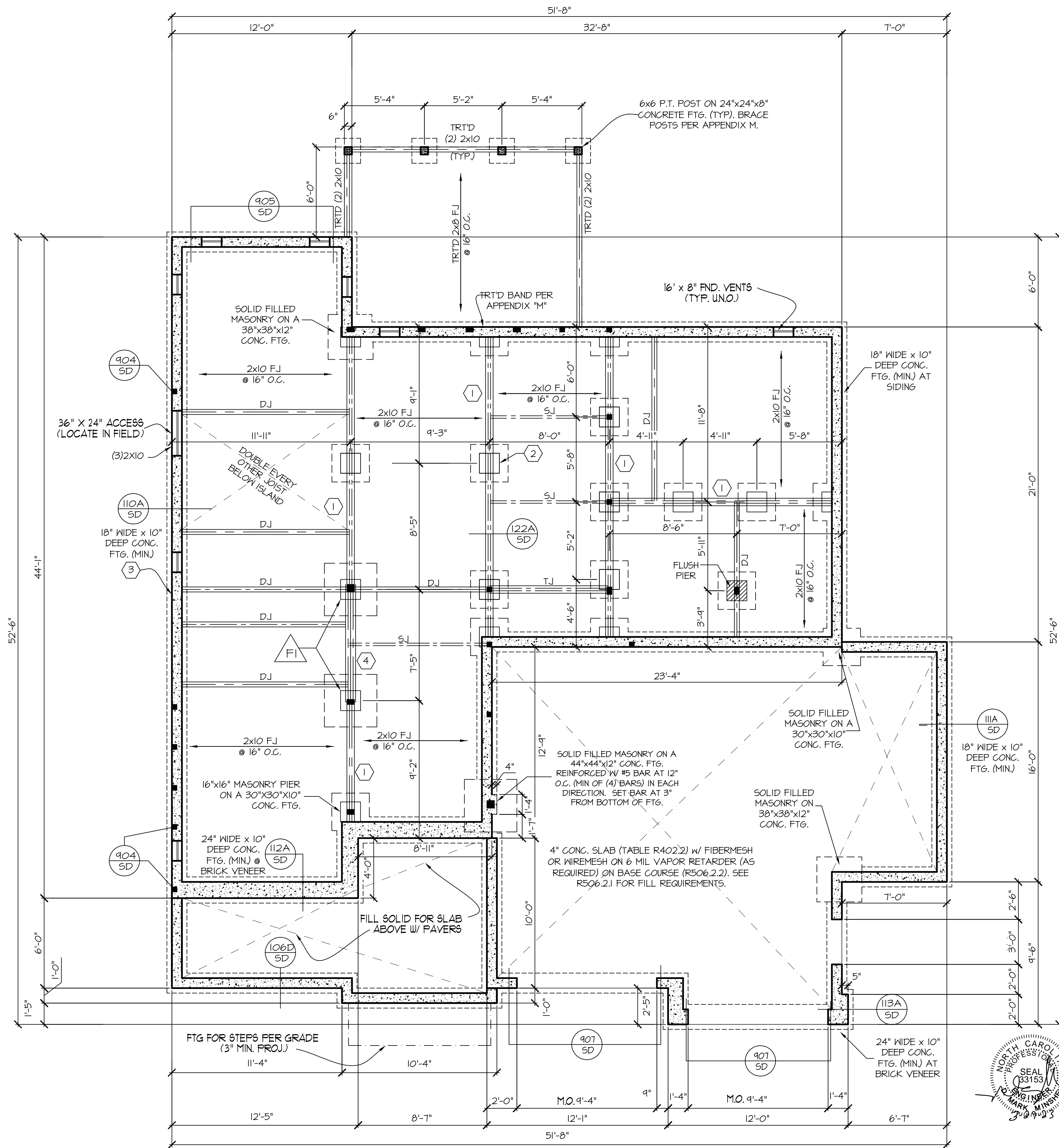
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FND. VENTILATION
 1315 ± 8.76 SQ. FT. REQUIRED:
 150
 OR
 1315 ± 8.71 SQ. FT. REQUIRED:
 1500
 WITH APPROVED VAPOR RETARDER MATERIAL AND OPENINGS PLACED FOR CROSS VENTILATION
 * ONE VENTILATION OPENING SHALL BE WITHIN 3 FEET OF EACH CORNER OF THE BUILDING

FOUNDATION STRUCTURAL NOTES
 NC (2018 NCRG); Wind: 115-120 mph - CRAWL

- (3)2x10 SFF#2 GIRDER, TYPICAL UNO.
- CONCRETE BLOCK PIER SIZE SHALL BE:
 • SIZE HOLLOW SOLID
 • 8x16 UP TO 32' UP TO 5'-0"
 • 12x16 UP TO 48' UP TO 9'-0"
 • 16x16 UP TO 64' UP TO 12'-0"
 • 24x24 UP TO 96' UP TO 18'-0"
 • WITH 30" x 30" x 10" CONCRETE FOOTINGS, UNO.
- WALL FOOTINGS AS FOLLOWS
 • DEPTH: 8" - UP TO 2 STORY
 10" - 3 STORY
 • WIDTH:
 • SIDING: 16" - UP TO 2 STORY
 20" - 3 STORY
 • BRICK: 16" - 1 STORY
 20" - 2 STORY
 24" - 3 STORY
- FOR FOUNDATION WALL HEIGHT AND BACKFILL REQUIREMENTS, REFER TO 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.
- (4) 2x10 SFF #2 GIRDER
 (5) (2) 1.75x4.25 LVL OR LSL GIRDER
 (6) (3) 1.75x4.25 LVL OR LSL GIRDER
- * 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
- ADJUST SUBFLOOR THICKNESS OR JOIST SPACING AS REQ'D FOR FLOOR FINISH MATERIALS.

16"x16" SOLID FILLED MASONRY PIER ON A 44"x44"x12" CONC. FTG. REINFORCED W/ #5 BAR AT 12" O.C. (MIN OF (4) BARS) IN EACH DIRECTION. SET BAR AT 3" FROM BOTTOM OF FTG.

FRAMING NOTE: ALL DIMENSIONAL LUMBER ON THIS SHEET MAY BE SFF #2 OR SYP #2, UNLESS SPECIFICALLY NOTED OTHERWISE. GIRDERS SHALL BE SFF #2.

STRUCTURAL DESIGN BY:
 SOUTHERN ENGINEERS, P.A.
 3716 BENSON DRIVE RALEIGH, NC 27609
 LICENSE: C-4712, PHONE: 919-878-1611
 PROJECT #: 22-1674(GR)

Engineers seal applies only to structural components on this document. Seal does not 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 Engineers liability.
 Seal is valid for a project permitted within one year from date of seal.
 Use of these plans constitutes approval of terms and conditions as defined in the customer agreement.

FOUNDATION PLAN
 SCALE: ----- 1/4"=1'-0"
 THESE PLANS MEET THE REQUIREMENTS OF THE NORTH CAROLINA RESIDENTIAL CODE 2018 EDITION.

ALL DIMENSIONS, SITE CONDITIONS & CODES ARE TO BE VERIFIED BEFORE CONSTR. BEGINS, ONCE CONSTR. HAS BEGUN MURPHY GARNOW DESIGN GROUP, INC. WILL NOT ASSUME ANY LIABILITY FOR ANY EXPENSES ASSOCIATED WITH ERRORS & OMISSIONS.

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 www.murphygarnowdesign.com

HALCYON HOMES
 PRINCE PLACE
 LOT # 32

DRAWN BY: TUG
DATE: 6-1-11
FILE NAME: HH-2-2989

REVISIONS	TUG	PLAN
6-11-22	TUG	PLAN
3-11-23	TUG	REV.
1-16-14	TUG	PLAN
11-12-15	TUG	PLAN

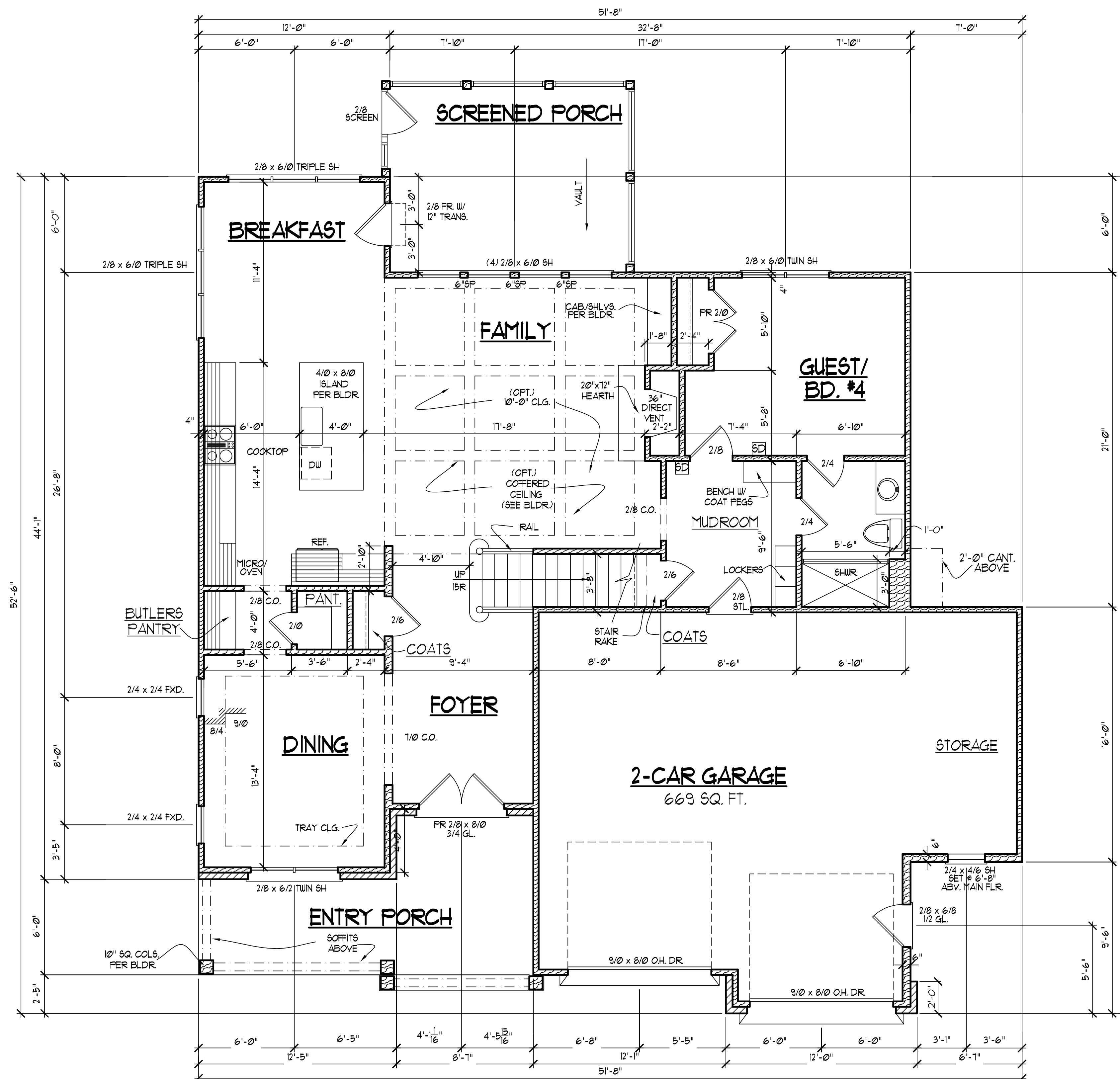
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FIRST FLOOR NOTES:

- 1) 9'-0" CLG. HGT. (TYP.) UNO.
- 2) SET WINDOWS @ 1'-10" AFF. (TYP.) UNO.
- 3) STAIRS: UP 15 RISERS @ 8 1/2" (+/-) (VERIFY W/ FLR. SYSTEM SPEC'D. BY ENG.) (TYP.) UNO.
- 4) PROVIDE 5/8" TYPE 'X' GYPSUM @ GARAGE CEILING ADJACENT TO HTD. SPACES
- 5) ALL WALLS FIGURED AT 4" WIDTHS FOR STUDS, 9" WIDTHS FOR STUD/BRICK (TYP.) UNO.
- 6) VERIFY ROUGH OPENINGS, SPECS. FOR CODE REQUIREMENTS WITH WINDOW MANUF.
- 7) SD = SMOKE DETECTOR
- 8) ALL INT. DOORS TO BE 8'-0" HGT. (VERIFY W/ BLDR.)

SQUARE FOOTAGE

	HTD.	UNHTD.
* BSMT.		
* FIRST FLR.	1331	669
* SECOND FLR.	1652	
* ATTIC (3rd. FLR.)		1065
TOTAL	2983	1734
MISC.		
* ENTRY PORCH		171
* SCREENED PORCH		187

UNDW. FALL PROTECTION NOTES:

SEE CODE SECTIONS R612 THRU R612.4 FOR WINDOW FALL PROTECTION DEVICE REQUIREMENTS IF WINDOW SILL IS LESS THAN 24" ABV. FLR. WITH A 6'-0" OR GREATER DISTANCE TO A SURFACE OUTSIDE AND BELOW THE WINDOW.

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HALCYON HOMES
 PRINCE PLACE
 LOT # 32

DRAWN BY: TUG
 DATE: 6-1-11
 FILE NAME: HH-2-2989

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1-16-14	TUG	PLAN
11-12-15	TUG	PLAN

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FIRST FLOOR PLAN

SCALE:1/4" = 1'-0"
 THESE PLANS MEET THE REQUIREMENTS OF THE INTERNATIONAL RESIDENTIAL CODE 2015 EDITION AND THE NORTH CAROLINA RESIDENTIAL CODE 2018 EDITION.

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ATTIC FLOOR PLAN

- 1) 9'-0" CLG. HGT. (TYP.) UNO.
- 2) SET WINDOWS @ 1'-4" AFF. (TYP.) UNO.
- 3) ALL WALLS FIGURED AT 4" WIDTHS FOR STUDS, 9" WIDTHS FOR STUD/BRICK (TYP.) UNO.
- 4) VERIFY ROUGH OPNG S. SPECS. FOR CODE REQUIREMENTS WITH WINDOW MANUF.
- 5) SD = SMOKE DETECTOR

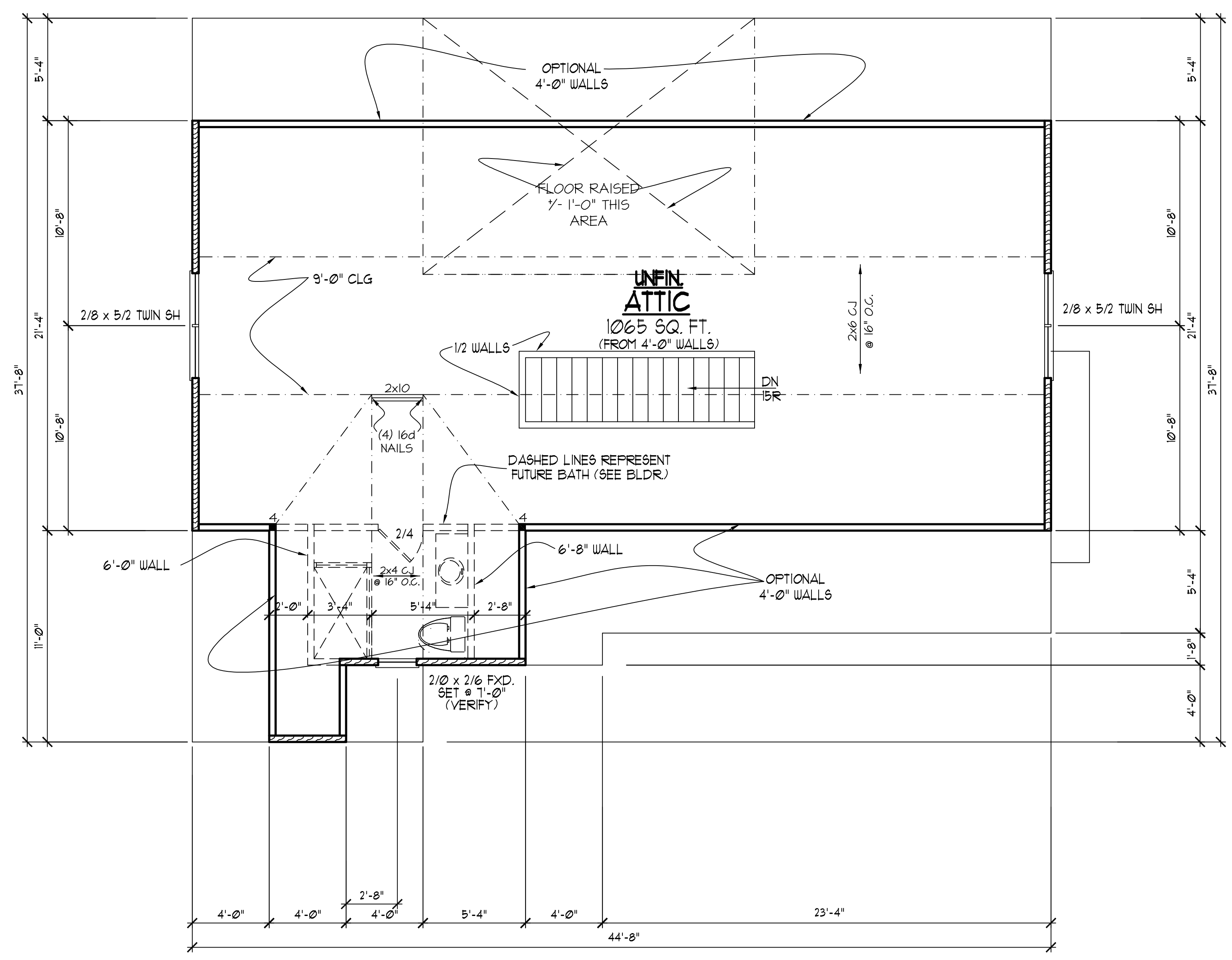
FRAMING NOTES

- NC (2018 NCRG): Wind: 115-120 mph
1. 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 SECTION R602.10 OF 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 1: 15/32"). SHEATHING SHALL BE ATTACHED WITH 8d NAILS AT A 6"X12" NAILING PATTERN (6" OC 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 PER SECTION R602.10.4.5 AND ATTACH BRACED WALLS PER CODE. WSP SHEATHING BETWEEN FLOORS SHALL BE SPLICED ALONG CONTINUOUS BAND OR THE WSP SHEATHING MAY BE SPLICED ACROSS STUDS (CONTINUOUS ACROSS FLOOR SYSTEM) WITH BLOCKING AT PANEL EDGES. (MINIMUM 12" BEYOND FLOOR BREAK) OR OTHER APPROVED METHOD.
 4. "HD" = HOLD-DOWN: 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 CS20 OR CSHP20 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 NAIL.
 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. SEE SECTION R602.10.4.4 OF THE CODE.
 6. INTERIOR BRACED WALL-WOOD STRUCTURAL PANEL: (NOTED AS "IBW-WSP" ON PLANS). ATTACH ONE SIDE WITH 3/4" WSP SHEATHING WITH 8d NAILS AT A 6"X12" NAILING PATTERN (6" OC AT PANEL EDGES AND 12" OC AT INTERMEDIATE SUPPORTS). INSTALL BLOCKING AT ALL PANEL EDGES. ATTACH GB OVER WSP AS REQUIRED. ATTACH OPPOSITE SIDE WITH 1/2" GB WITH A MIN. OF 5d COOLER NAILS OR #6 SCREWS @ 1' O.C. ALONG THE EDGES AND AT INTERMEDIATE SUPPORTS. SEE SECTION R602.10.4.4 OF THE CODE.

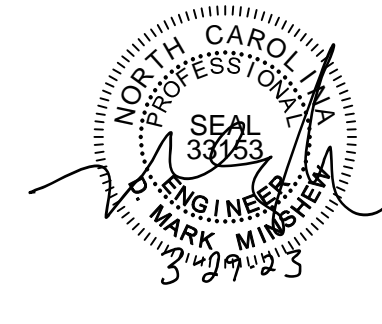
HEADER/BEAM & COLUMN NOTES

1. ALL EXTERIOR AND LOAD BEARING HEADERS SHALL BE MIN. (2)2x6 (4" WALL) OR (3)2x6 (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 PER NCDOT COMMENTARY "KING STUDS AT WALL OPENINGS" REVISED 1-4-2020.
 - UP TO 3' SPAN: (1) KING STUD
 - OVER 3' UP TO 6' SPAN: (2) KING STUDS
 - OVER 6' UP TO 9' SPAN: (3) KING STUDS
 - OVER 9' UP TO 12' SPAN: (4) KING STUDS
 - OVER 12' UP TO 15' SPAN: (5) KING STUDS

FRAMING NOTE: ALL DIMENSIONAL LUMBER ON THIS SHEET MAY BE SPF #2 OR GYP #2, UNLESS SPECIFICALLY NOTED OTHERWISE.



STRUCTURAL DESIGN BY:
SOUTHERN ENGINEERS, P.A.
3716 BENSON DRIVE RALEIGH, NC 27609
LICENSE: C-4712, PHONE: 919-878-1611
PROJECT #: 22-1674(GR)



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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 Engineers' liability.
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- Use of these plans constitutes approval of terms and conditions as defined in the customer agreement.

THIRD FLR./ ATTIC PLAN
SCALE: -----1/4" = 1'-0"

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HALCYON HOMES
PRINCE PLACE
LOT # 32

DRAWN BY: TUG
DATE: 6-1-11
FILE NAME: HH-2-2989

REVISIONS	DATE	BY	DESCRIPTION
6-11-22	TUG	PLAN	
3-11-23	TUG	REV.	
1-16-14	TUG	PLAN	
11-12-15	TUG	PLAN	

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- C1 5"x5"x $\frac{3}{8}$ " HSS TUBE STEEL COLUMN WELDED TO BOTTOM FLANGE OF BEAM. WELD TO "L" SHAPED $\frac{3}{8}$ " THICK STEEL PLATE ATTACHED TO FOUNDATION W/ (2) $\frac{1}{2}$ " DIAM ANCHOR BOLTS.
- C2 5"x5"x $\frac{3}{8}$ " HSS TUBE STEEL COLUMN WELDED TO BOTTOM FLANGE OF BEAM. CUT OUT FLOOR FRAMING AND WELD TO A 10"x10"x $\frac{3}{8}$ " THICK STEEL PLATE ATTACHED TO FOUNDATION W/ (2) $\frac{1}{2}$ " DIAM ANCHOR BOLTS.

FRAMING NOTES

- NC (2018 NRCG); Wind: 115-120 mph
- 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 SECTION R602.10 OF THE CODE. SEE NOTES BELOW FOR DETAILS AND SPECIFICATIONS FOR WALL BRACING AND WALL FRAMING.
 - 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" OC AT PANEL EDGES AND 12" OC AT INTERMEDIATE SUPPORTS). INSTALL BLOCKING AT ALL PANEL EDGES.
 - WSP SHEATHING SHALL EXTEND TO THE UPPERMOST DOUBLE BEARING PLATE. BLOCK AT ROOF PER SECTION R602.10.4.5 AND ATTACH BRACED WALLS PER CODE. WSP SHEATHING BETWEEN FLOORS SHALL BE SPLICED ALONG CONTINUOUS BAND OR THE WSP SHEATHING MAY BE SPLICED ACROSS STUDS (CONTINUOUS ACROSS FLOOR SYSTEM) WITH BLOCKING AT PANEL EDGES. (MINIMUM 12" BEYOND FLOOR BREAK) OR OTHER APPROVED METHOD.
 - "HD" = HOLD-DOWN: HOLD-DOWN DEVICE (NOTED AS "HD" ON PLANS) SHALL BE AN 800 POUND CAPACITY ASSEMBLY AS NOTED ON PLANS. SEE DETAILS FOR HD ASSEMBLY.
• *SECOND/FIRST FLOOR: USE "HD HOLD-DOWN DETAIL" ON SD SHEET (OR EQUIV.)
• *UPPER FLOORS: ATTACH BASE OF KING STUD WITH A SIMPSON CS20 OR CSHP20 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.
 - 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 @ 7" O.C. ALONG THE EDGES AND AT INTERMEDIATE SUPPORTS. SEE SECTION R602.10.4.4 OF THE CODE.
 - INTERIOR BRACED WALL-WOOD STRUCTURAL PANEL: (NOTED AS "IBW-WSP" ON PLANS). ATTACH ONE SIDE WITH $\frac{3}{8}$ " 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 AS REQUIRED. ATTACH OPPOSITE SIDE WITH 1/2" GB WITH A MIN. OF 5d COOLER NAILS OR #6 SCREWS @ 7" O.C. ALONG THE EDGES AND AT INTERMEDIATE SUPPORTS. SEE SECTION R602.10.4.4 OF THE CODE.

HEADER/BEAM & COLUMN NOTES

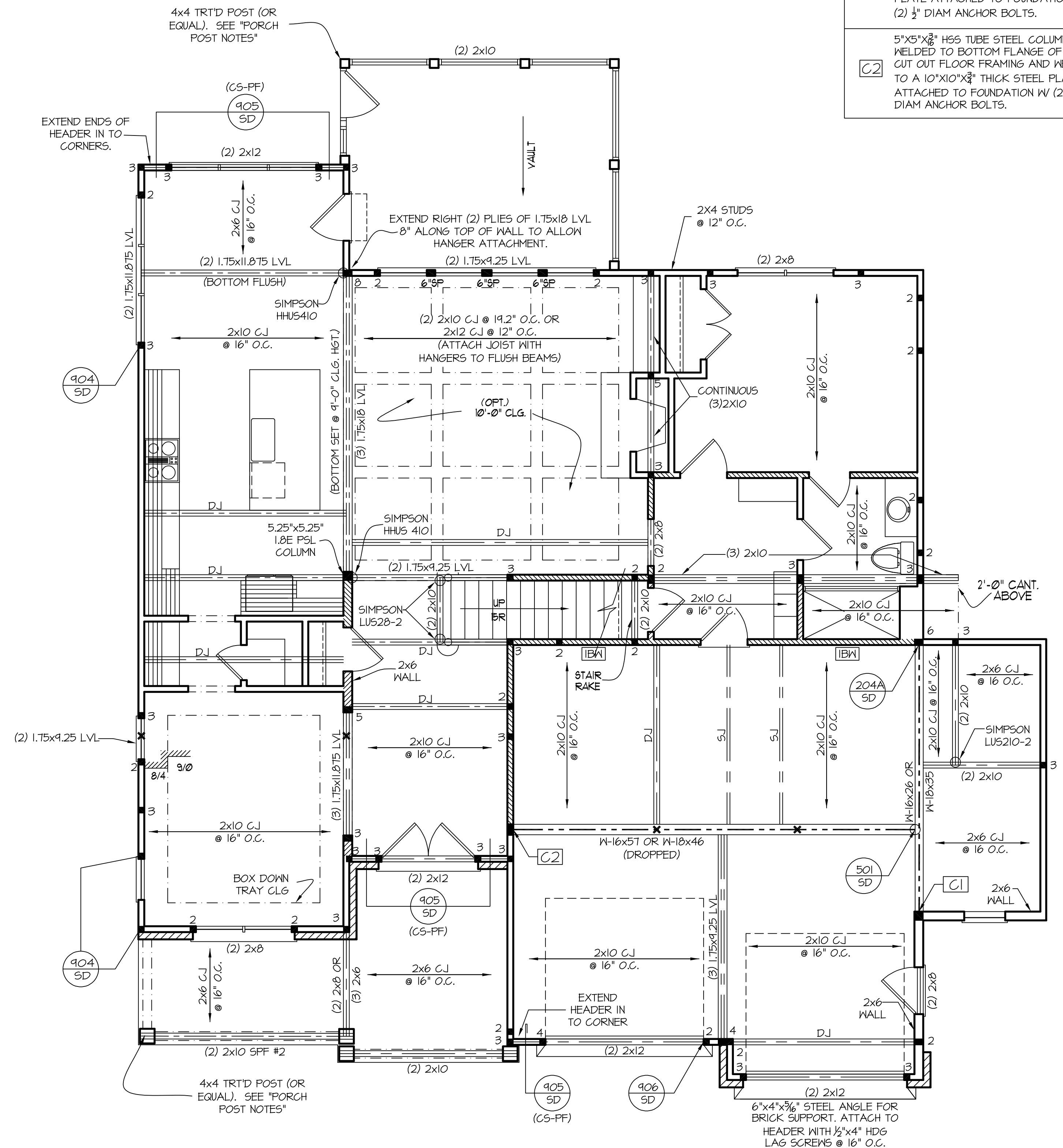
- ALL EXTERIOR AND LOAD BEARING HEADERS SHALL BE MIN. (2)2x6 (4" WALL) OR (3)2x6 (6" WALL) WITH (1) SUPPORT STUD, UNLESS NOTED OTHERWISE.
- THE NUMBER SHOWN AT BEAM AND HEADER SUPPORTS INDICATES THE NUMBER OF SUPPORT STUDS REQUIRED IN STUD POCKET OR COLUMN. THE NUMBER OF KING STUDS AT EACH END OF HEADERS IN EXTERIOR WALLS SHALL BE ACCORDING TO ITEM "d" IN TABLE R602.3(5) OR AS BELOW PER NCDOL COMMENTARY "KING STUDS AT WALL OPENINGS" REVISED 1-4-2020:
• UP TO 3' SPAN: (1) KING STUD
• OVER 3' UP TO 6' SPAN: (2) KING STUDS
• OVER 6' UP TO 9' SPAN: (3) KING STUDS
• OVER 9' UP TO 12' SPAN: (4) KING STUDS
• OVER 12' UP TO 15' SPAN: (5) KING STUDS

PORCH POST NOTES:

- 4x4 (6x6) TRTD POST (OR EQUAL).
 - ATTACH TRUSSES (RAFTERS) AT PORCH WITH HURRICANE CONNECTORS.
 - 1. POST CAP: SIMPSON AC4-MAX (AC6-MAX)
 - 2. POST CAP AT CORNER: (2) SIMPSON LCE4 (MITER HEADER AT CORNER). HIGH WIND; ADD (1) SIMPSON H6.
 - 3. POST BASE: SIMPSON ABU44 (ABU66).
 - 3.1. MONO. $\frac{3}{8}$ " ANCHOR (EMBED 1")
 - 3.2. CMU. $\frac{3}{8}$ " ANCHOR (EXTEND TO FOOTING - HIGH WIND ONLY)
 - 4. POST BASE, WOOD FOUNDATION: (2) SIMPSON CS16 STRAPS AT POSTS. EXTEND 12" ONTO EACH POST (UPPER AND LOWER) OR TO GIRDER.
- NOTE: EQUIVALENT POST CAP AND BASE ACCEPTABLE.

FRAMING NOTE: ALL DIMENSIONAL LUMBER ON THIS SHEET MAY BE SPF #2 OR SYP #2, UNLESS SPECIFICALLY NOTED OTHERWISE.

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PROJECT #: 22-1674(GR)



FIRST FLOOR CEILING STRUCTURAL PLAN
SCALE: ----- 1/4" = 1'-0"
9'-0" CLG. HGT.

THESE PLANS MEET THE REQUIREMENTS OF THE NORTH CAROLINA RESIDENTIAL CODE 2018 EDITION.

NOTE!!

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HALCYON HOMES
PRINCE PLACE
LOT # 32

DRAWN BY: TUG
DATE: 6-1-11
FILE NAME: HH-2-2989

REVISIONS	DATE	BY	DESCRIPTION
6-11-11	6-11-11	TUG	PLAN
3-11-12	3-11-12	TUG	REV.
1-16-14	1-16-14	TUG	PLAN
11-12-15	11-12-15	TUG	PLAN

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FRAMING NOTES

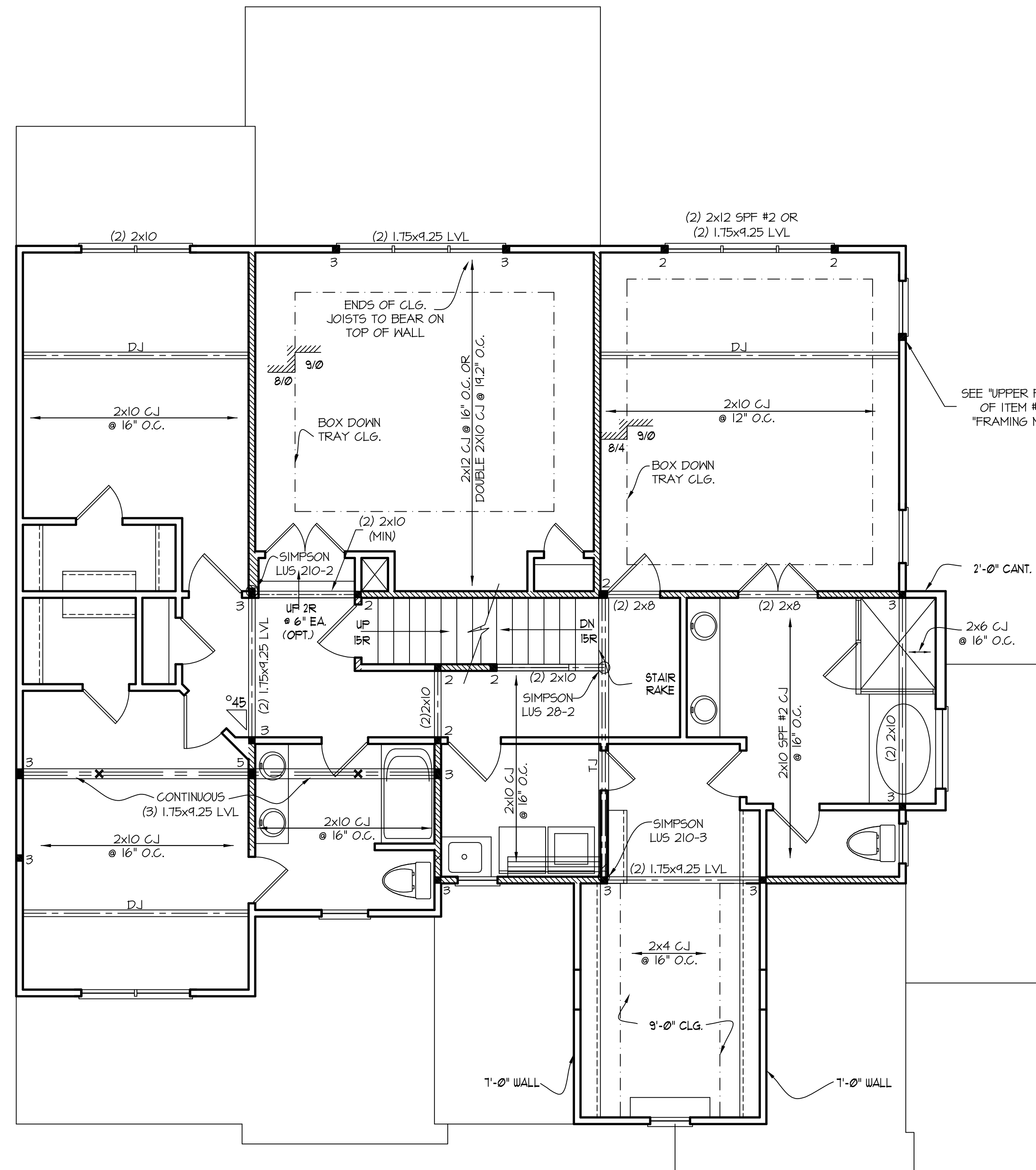
NC (2018 NRCG); Wind: 115-120 mph

- 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 SECTION R602.10 OF THE CODE. SEE NOTES BELOW FOR DETAILS AND SPECIFICATIONS FOR WALL BRACING AND WALL FRAMING.
- EXTERIOR WALL SHEATHING: WALLS SHALL BE BRACED BY SHEATHING WALLS ON ALL STORIES WITH WOOD STRUCTURAL PANEL SHEATHING (WSP) (EXPOSURE C: 1/8", EXPOSURE C: 15/32"). SHEATHING SHALL BE ATTACHED 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.
- WSP SHEATHING SHALL EXTEND TO THE UPPERMOST DOUBLE BEARING PLATE BLOCK AT ROOF PER SECTION R602.10.4.5 AND ATTACH BRACED WALLS PER CODE. WSP SHEATHING BETWEEN FLOORS SHALL BE SPLICED ALONG CONTINUOUS BAND OR THE WSP SHEATHING MAY BE SPLICED ACROSS STUDS (CONTINUOUS ACROSS FLOOR SYSTEM) WITH BLOCKING AT PANEL EDGES. (MINIMUM 12" BEYOND FLOOR BREAK) OR OTHER APPROVED METHOD.
- "HD" = HOLD-DOWN: HOLD-DOWN DEVICE (NOTED AS "HD" ON PLANS) SHALL BE AN 800 POUND CAPACITY ASSEMBLY AS NOTED ON PLANS. SEE DETAILS FOR HD ASSEMBLY.
• *SECOND/FIRST FLOOR: USE "HD HOLD-DOWN DETAIL" ON SD SHEET (OR EQUIV.)
• *UPPER FLOORS: ATTACH BASE OF KING STUD WITH A SIMPSON CS20 OR CSHP20 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.
- 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. SEE SECTION R602.10.4.4 OF THE CODE.
- INTERIOR BRACED WALL-WOOD STRUCTURAL PANEL: (NOTED AS "IBWSP" ON PLANS). ATTACH ONE SIDE WITH 1/2" 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 AS REQUIRED. ATTACH OPPOSITE SIDE WITH 1/2" GB WITH A MIN. OF 5d COOLER NAILS OR #6 SCREWS @ 1' O.C. ALONG THE EDGES AND AT INTERMEDIATE SUPPORTS. SEE SECTION R602.10.4.4 OF THE CODE.

HEADER/BEAM & COLUMN NOTES

- ALL EXTERIOR AND LOAD BEARING HEADERS SHALL BE MIN. (2)2x6 (4" WALL) OR (3)2x6 (6" WALL) WITH (1) SUPPORT STUD, UNLESS NOTED OTHERWISE.
- 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 PER NCGO COMMENTARY "KING STUDS AT WALL OPENINGS" REVISED 1-4-2020:
• UP TO 3' SPAN: (1) KING STUD
• OVER 3' UP TO 6' SPAN: (2) KING STUDS
• OVER 6' UP TO 9' SPAN: (3) KING STUDS
• OVER 9' UP TO 12' SPAN: (4) KING STUDS
• OVER 12' UP TO 15' SPAN: (5) KING STUDS

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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 Engineers' liability.
- Seal is valid for a project permitted within one year from date of seal.
- Use of these plans constitutes approval of terms and conditions as defined in the customer agreement.

SECOND FLOOR CEILING STRUCTURAL PLAN
SCALE: ----- 1/4" = 1'-0" 9'-0" CLG. HGT.

THESE PLANS MEET THE REQUIREMENTS OF THE NORTH CAROLINA RESIDENTIAL CODE 2018 EDITION.

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- ROOF FRAMING NOTES:**
- 1) ALL ROOF PITCHES TO BE 9/12 (TYP.) UNO.
 - 2) PROVIDE 2x4 COLLAR BEAMS EVERY OTHER RAFTER (TYP.)
 - 3) PROVIDE "HURRICANE CLIPS" AT ALL VALLEYS AND OPPOSING DBL. RAFTERS
 - 4) PROVIDE DBL. HEADERS AND TRIMMERS AT ALL ROOF OPENINGS (EX: DORMERS, SKYLIGHTS, CHIMNEYS, ETC.)
 - 5) 2x8 RAFTERS @ CATH. OR VAULTED CLGS. TO BE FURRED DOWN OR USE DEEPER RAFTERS (VERIFY BRNG. HGT.) FOR PROPER INSULATION PER CODE
 - 6) VERIFY ALL RAFTER BRNG. HGTs. BEFORE CONSTR. HAS BEGUN

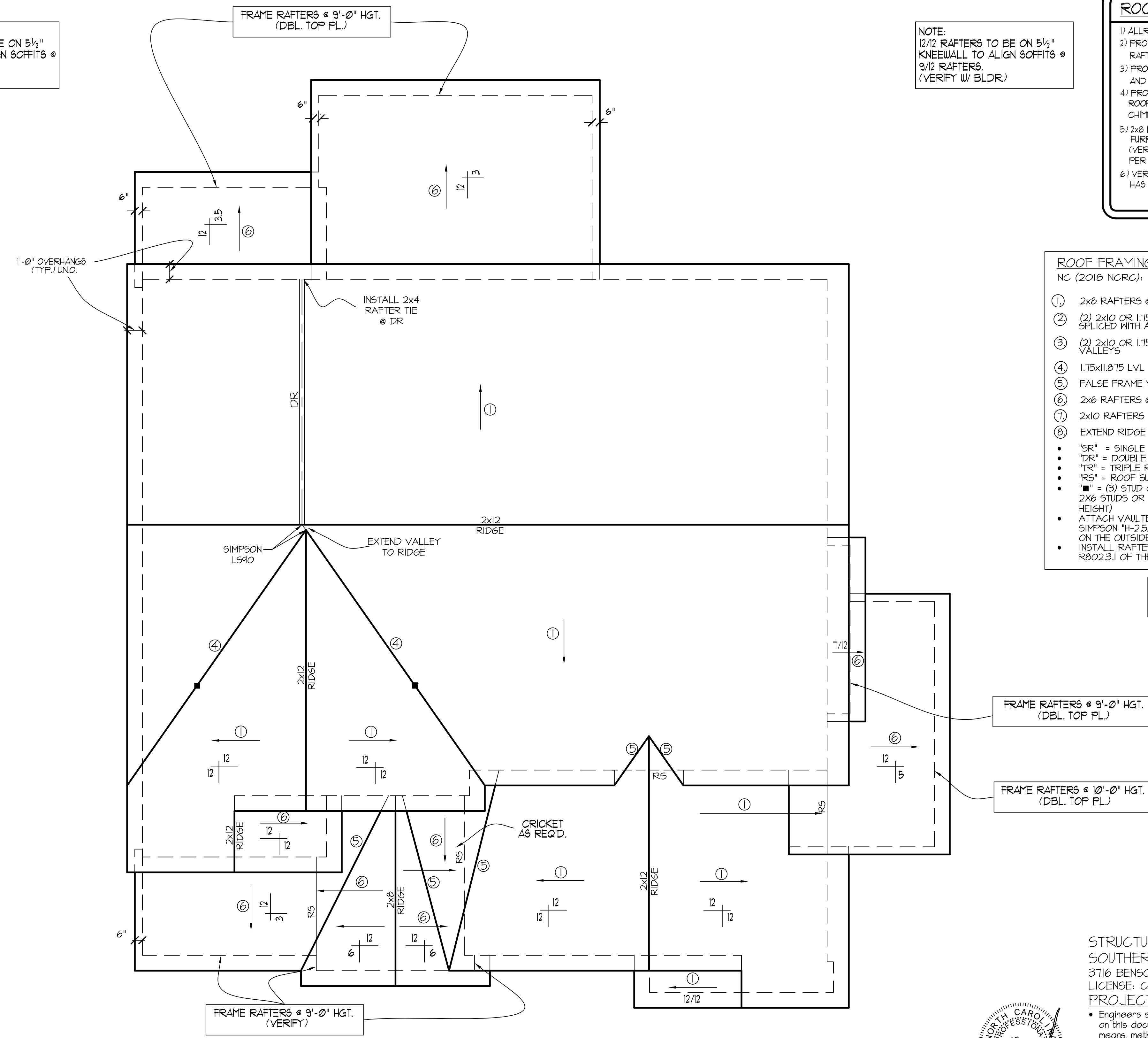
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NOTE:
 12/12 RAFTERS TO BE ON 5 1/2" KNEEWALL TO ALIGN SOFFITS @ 9/12 RAFTERS.
 (VERIFY W/ BLDG.)

NOTE:
 12/12 RAFTERS TO BE ON 5 1/2" KNEEWALL TO ALIGN SOFFITS @ 9/12 RAFTERS.
 (VERIFY W/ BLDG.)

- ROOF FRAMING NOTES:**
 NC (2018 NCRC): Wind: 115-120 mph
- 1) 2x8 RAFTERS @ 16" O.C. WITH 2x10 RIDGE, UNO.
 - 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 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) 2x10 RAFTERS @ 16" O.C. W/ 2x12 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 STUDS OR 6x6 POST FOR SUPPORT OVER 10'-0" IN HEIGHT)
 - ATTACH VAULTED RAFTERS WITH HURRICANE CLIPS: SIMPSON "H-2.5A" OR EQUIVALENT. TIES TO BE INSTALLED ON THE OUTSIDE FACE OF FRAMING.
 - INSTALL RAFTER TIES AND COLLAR TIES PER SECTION R802.3.1 OF THE 2018 NC RESIDENTIAL CODE.

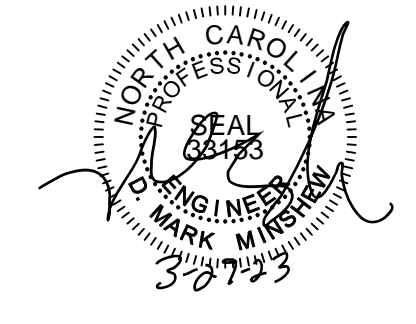
FRAMING NOTE: ALL DIMENSIONAL LUMBER ON THIS SHEET MAY BE SPF #2 OR SYP #2, UNLESS SPECIFICALLY NOTED OTHERWISE.



FRAME RAFTERS @ 9'-0" HGT. (DBL. TOP PL.)

FRAME RAFTERS @ 10'-0" HGT. (DBL. TOP PL.)

FRAME RAFTERS @ 9'-0" HGT. (VERIFY)



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

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HALCYON HOMES
 PRINCE PLACE
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REVISIONS	DATE	BY	DESCRIPTION
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