REVISION:001 DATE: 6/20/2022 1. ADD SIDE LOAD GARAGE. REVISION:002 DATE: 7/05/2022 1. ADD OPT. EXTENDED CAFE W/ COVERED PATIO/DECK. REVISION:003 DATE: 7/22/2022

1. ADD STEM WALL SLAB FOUNDATION SHEETS

Lot 110 Duncan's Creek

60 Walburn Way Lillington, NC 27546

NC.



DESIGN CRITERIA:

THIS PLAN IS TO BE BUILT IN CONFORMANCE WITH THE 2018 NORTH CAROLINA STATE BUILDING CODE: RESIDENTIAL CODE

DIMENSIONS SHALL GOVERN OVER SCALE, AND CODE SHALL GOVERN OVER DIMENSIONS.

2010 Smithfield - RH

'ENGLISH COUNTRY' ELEVATION

eet No.	Sheet Description
0.0	Cover Sheet
1.1	Foundation (Slab) Foundation Options (Slab)
1.1.2	Foundation Options (Slab)
1.2	Foundation (Crawl)
1.2.1	Foundation Options (Crawl)
1.2.2	Foundation Options (Crawl)
1.3	Foundation (Stem Wall Slab))
1.3.1	Foundation Options (Stem Wall Slab)
1.3.2	Foundation Options (Stem Wall Slab)
2.1	First Floor Plan
2.1.1	First Floor Plan Options
2.2	Second Floor Plan
2.2.1	Second Floor Plan Options
2.3	Opt. Third Floor
2.4	Covered Patio Plans & Elevations (Slab)
2.4.1	Covered Deck Plans & Elevations (Crawl)
2.5	Extended Cafe Elevations & Roof Plan (Slab)
2.5.1	Extended Cafe Elevations & Roof Plan (Crawl)
2.6	Extended Cafe w/ Covered Patio Elevations & Roof Plan (Slab)
2.6.1	Extended Cafe w/ Covered Deck Elevations & Roof Plan (Crawl)
2.7	2-Car Sideload Garage Plans
2.7.1	2-Car Sideload Garage Elevations
3.1	Front & Rear Elevations (Slab)
3.1.1	Front & Rear Elevations (Crawl)
3.1.2	Front & Rear Elevations (Slab) Attic Option
3.1.3	Front & Rear Elevations (Crawl) Attic Option
3.2	Side Elevations (Slab)
3.2.1	Side Elevations (Crawl)
3.2.2	Side Elevations (Slab) Attic Option
3.2.3	Side Elevations (Crawl) Attic Option
3.3	Roof Plan
5.1	First Floor Electrical
5.2	Second Floor Electrical
5.2.1	Second Floor Options Electrical
5.3	Opt. Third Floor Electrical

SQUARE	FOOT/	4GE
	ENGLISH (COUNTRY
	UNHEATED	HEATED
FIRST FLOOR	0	846
SECOND FLOOR	0	1154
FRONT PORCH	56	0
2 CAR GARAGE	414	0
PATIO	144	0
SUBTOTALS	614	2000
TOTAL UNDER ROOF	26	14
0	PTIONS	
	UNHEATED S.F.	HEATED S.F.
UNFIN. THIRD FLOOR	+554	0
FINISHED THIRD FLOOR	9	+554
EXTENDED CAFE	-144	+120
PATIO W/ EXT CAFE	+150	0
EXTENDED FAMILY	0	+29
COVERED PATIO/ DECK	1/4	8
EXT. FRONT PORCH	+69	0



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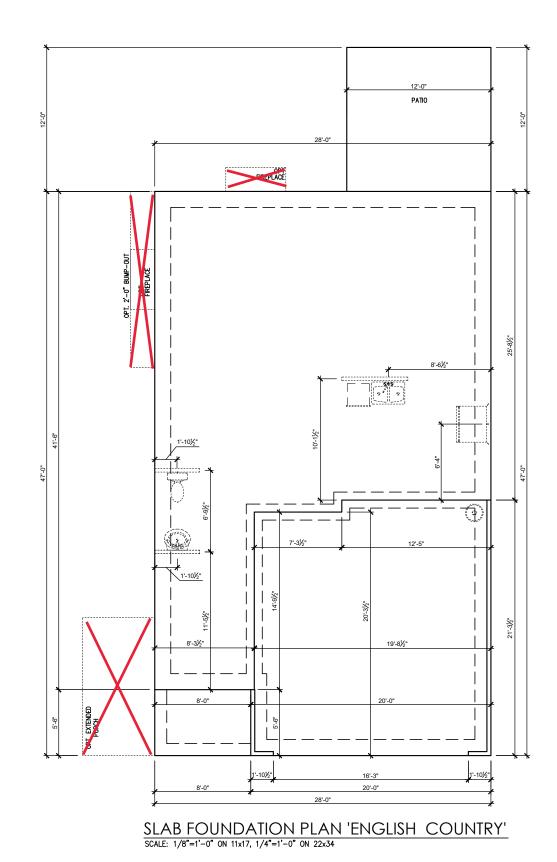
2010 - SMITHFIELD - RH
--Cover Sheet 'English Country'

DRAWN BY: South Designs

ISSUE DATE: 10/29/2021 CURRENT REVISION DATE

SCALE: 1/8" = 1'-0"

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DRAWN BY: South Designs

ISSUE DATE: 10/29/2021

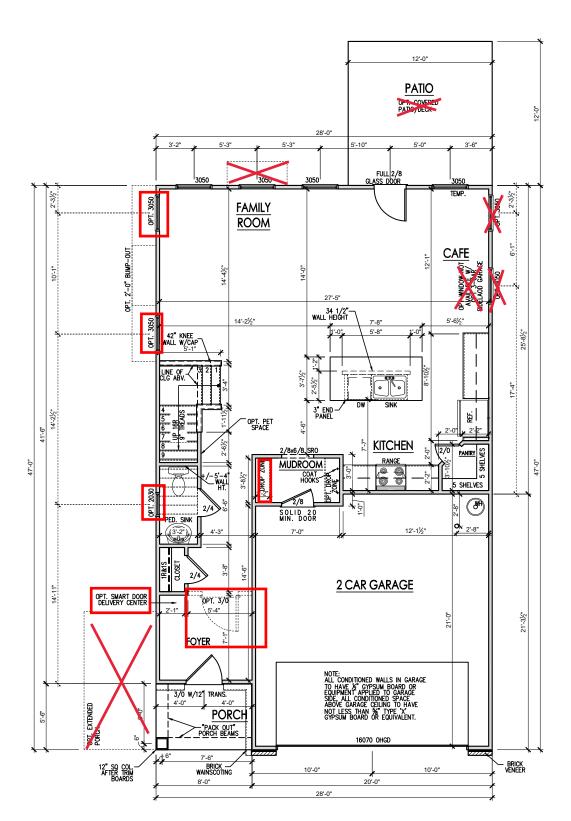
CURRENT REVISION DATE: SCALE: 1/8" = 1'-0"

1.1c

General Floor Plan Notes

General Floor Plan Notes shall apply unless noted otherwise on plan.

- Wall Heights: Typically 9°-1 1/2" at first floor, 8'-1 1/2" at second floor, and 8'-1 1/2" at attics U.N.O. All walls are constructed using a double top plate. Splices at Double Top Plate do not need to occur at Vertical Studs but must be at least 24" apart from Joint in other Top Plate layer. Special wall heights are noted on plans where they occur.
- Wall Thickness is typically 3 1/2". 2x6 frame shall be used at walls that back up to plumbing fixtures.
 Walls greater than 10' high shall be framed with 2x6 framing or greater and will be noted as a special condition where it occurs on plan.
- 3. Typical header height shall be 6'-11" AFF at First Floor, and 6'-11" AFF at Second Floor U.N.O.
- Jacks: Openings up to 3"-4" wide shall have (1) 2x4 jack stud SPF on each side. Openings greater than 3"-4" wide shall have (2) 2x4 jack studs SPF on each side.
- 5. Soffits, Coffered Ceilings, Trey Ceilings and other significant ceiling plan elements are shown on the floor plans and are denoted as single dashed lines. Unless specifically call out as included, Kitchens do not include soffits over wall cabinetry.
- Door & Window Frames, where occurring near corners, shall be a minimum of 4 1/2" from corner. Except for walk-in closets with doors near a corner, doors at closets shall be centered on closet.
- Windows: Shall have at least (1) window in each sleeping room, that meets egress. Shall be provided with tempered glass at hazardous glazing areas. False windows shall be installed with obscure glazing.
- Closets for clothing or coat storage shall be equipped with 1 rod/shelf. Closets for linen shall have 4 open equal shelves. Closets for pontries shall have 4 equal wood shelves, painted.
- Stair treads shall be a min of 9" deep, risers shall be a maximum of 8 1/4", unless noted otherwise, per the current North Carolina Residential Code
- 10. Handrails and Guards at stairs shall be 34" above the finished surface of the ramp surface of the stair. Handrails at landings and overlooks of multilevel spaces shall be 36" above finished floor. Guards (pickets or balusters) shall be spaced with no more than 4" between guards.
- 11. Affic Access shall be provided at all affic area with a height greater than 30". Minimum clear affic access shall be 20" x 30". Pull down stairs and access doors in knee walls meeting minimum criteria are also acceptable.
- 12. Garage Door to Living Space shall be 2'-8" x 6'-8" minimum size and shall be 20 minute fire rated and weather sealed.
- 13. Garage Walls, as a minimum, shall be separated from living space by installing 1/2" gypsum board on the garage side of the wall. With habitable space above, the inside of all garage walls require 1/2" GWB supporting 5/8" Youe X GWB on ceiling



FIRST FLOOR PLAN 'ENGLISH COUNTRY'
SCALE: 1/8"=1'-0" ON 11x17, 1/4"=1'-0" ON 22x34

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2010 - SMITHFIELD - RH --- 'English Country'

Plan

First Floor

DRAWN BY: South Designs

ISSUE DATE: 10/29/2021

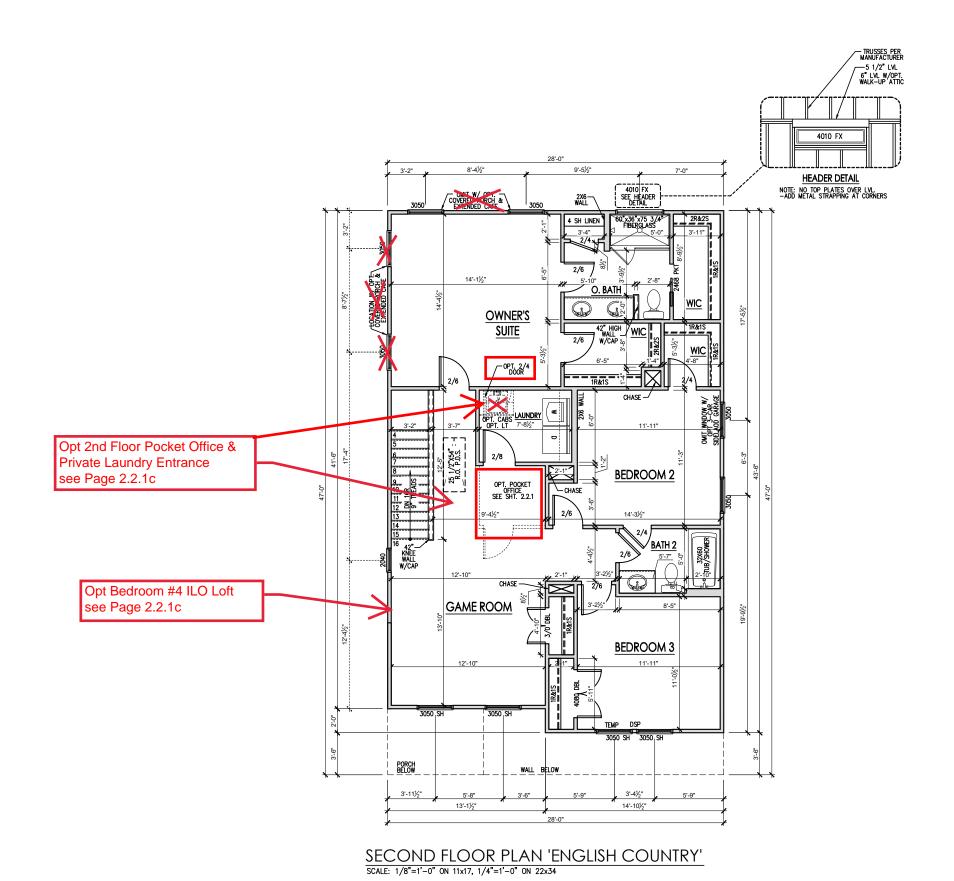
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---SCALE:
1/8" = 1'-0"

2.1c

General Floor Plan Notes

General Floor Plan Notes shall apply unless noted otherwise on plan.

- Wall Heights: Typically 9'-1 1/2" at first floor, 8'-1 1/2" at second floor, and 8'-1 1/2" at attics U.N.O. All walls are constructed using a double top plate. Splices at Double Top Plate do not need to occur at Vertical Studs but must be at least 24" apart from Joint in other Top Plate layer. Special wall heights are noted on plans where they occur.
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- 3. Typical header height shall be 6'-11" AFF at First Floor, and 6'-11" AFF at Second Floor U.N.O.
- Jacks: Openings up to 3"-4" wide shall have (1) 2x4 jack stud SPF on each side. Openings greater than 3'-4" wide shall have (2) 2x4 jack studs SPF on each
- 5. Soffits, Coffered Ceilings, Trey Ceilings and other significant ceiling plan elements are shown on the floor plans and are denoted as single dashed lines. Unless specifically call out as included, Kitchens do not include soffits over wall cabinetry.
- Door & Window Frames, where occurring near corners, shall be a minimum of 4 1/2" from corner. Except for walk-in closets with doors near a corner, doors at closets shall be centered on closet.
- Windows: Shall have at least (1) window in each sleeping room, that meets egress. Shall be provided with tempered glass at hazardous glazing areas. False windows shall be installed with obscure glazing.
- Closets for clothing or coat storage shall be equipped with 1 rod/shelf. Closets for linen shall have 4 open equal shelves. Closets for pantries shall have 4 equal wood shelves, painted.
- Stair treads shall be a min of 9" deep, risers shall be a maximum of 8 1/4", unless noted otherwise, per the current North Carolina Residential Code
- 10. Handrails and Guards at stairs shall be 34" above the finished surface of the ramp surface of the stair. Handrails at landings and overlooks of multilevel spaces shall be 36" above finished floor. Guards (pickets or balusters) shall be spaced with no more than 4" between guards.
- 11. Affic Access shall be provided at all affic area with a height greater than 30". Minimum clear affic access shall be 20" x 30". Pull down stairs and access doors in knee walls meeting minimum criteria are also acceptable.
- 12. Garage Door to Living Space shall be 2'-8" x 6'-8" minimum size and shall be 20 minute fire rated and weather sealed.
- 13. Garage Walls, as a minimum, shall be separated from living space by installing 1/2" gypsum board on the garage side of the wall. With habitable space above, the inside of all garage walls require 1/2" GWB supporting 5/8" type X GWB on celling.



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2010 - SMITHFIELD - RH
--Second Floor Plan 'English Country'

DRAWN BY: South Designs

ISSUE DATE: 10/29/2021

CURRENT REVISION DATE:

1/8" = 1'-0"

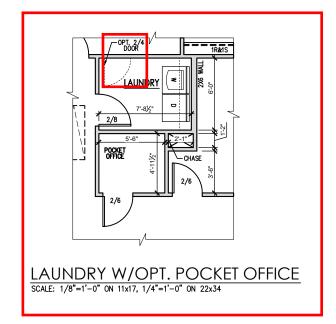
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SCALE:

General Floor Plan Notes

General Floor Plan Notes shall apply unless noted otherwise on plan.

- Wall Heights: Typically 9'-1 1/2" at first floor, 8'-1 1/2" at second floor, and 8'-1 1/2" at attics U.N.O. All walls are constructed using a double top plate. Splices at Double Top Plate do not need to occur at Vertical Studs but must be at least 24" apart from Joint in other Top Plate layer. Special wall heights are noted on plans where they occur.
- Wall Thickness is typically 3 1/2". 2x6 frame shall be used at walls that back up to plumbing fixtures.
 Walls greater than 10' high shall be framed with 2x6 framing or greater and will be noted as a special condition where it occurs on plan.
- 3. Typical header height shall be 6'-11" AFF at First Floor, and 6'-11" AFF at Second Floor U.N.O.
- Jacks: Openings up to 3'-4" wide shall have (1) 2x4 jack stud SPF on each side. Openings greater than 3'-4" wide shall have (2) 2x4 jack studs SPF on each side.
- 5. Soffits, Coffered Ceilings, Trey Ceilings and other significant ceiling plan elements are shown on the floor plans and are denoted as single dashed lines. Unless specifically call out as included, Kitchens do not include soffits over wall cabinetry.
- Door & Window Frames, where occurring near corners, shall be a minimum of 4 1/2" from corner. Except for walk-in closets with doors near a corner, doors at closets shall be centered on closet.
- Windows: Shall have at least (1) window in each sleeping room, that meets egress. Shall be provided with tempered glass at hazardous glazing areas. False windows shall be installed with obscure glazing.
- Closets for clothing or coat storage shall be equipped with 1 rod/shelf. Closets for linen shall have 4 open equal shelves. Closets for pontries shall have 4 equal wood shelves, painted.
- Stair treads shall be a min of 9" deep, risers shall be a maximum of 8 1/4", unless noted otherwise, per the current North Carolina Residential Code
- 10. Handralls and Guards at stairs shall be 34" above the finished surface of the ramp surface of the stair. Handralls at landings and overlooks of multilevel spaces shall be 36" above finished floor. Guards (pickets or balusters) shall be spaced with no more than 4" between guards.
- 11. Attic Access shall be provided at all attic area with a height greater than 30". Minimum clear attic access shall be 20" x 30". Pull down stairs and access doors in knee walls meeting minimum criteria are also acceptable.
- 12. Garage Door to Living Space shall be 2'-8" x 6'-8" minimum size and shall be 20 minute fire rated and weather sealed.
- 13. Garage Walls, as a minimum, shall be separated from living space by installing 1/2" gypsum board on the garage side of the wall. With habitable space above, the inside of all garage walls require 1/2" GWB supporting 5/8" type X GWB on ceiling.







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2010 - SMITHFIELD - RH
---Second Floor Plan Options 'English Country'

DRAWN BY: South Designs

ISSUE DATE: 10/29/2021

CURRENT REVISION DATE:
---SCALE:
1/8" = 1'-0"

2.2.16

General Elevation Notes

General Elevation Notes shall apply unless noted otherwise on plan.

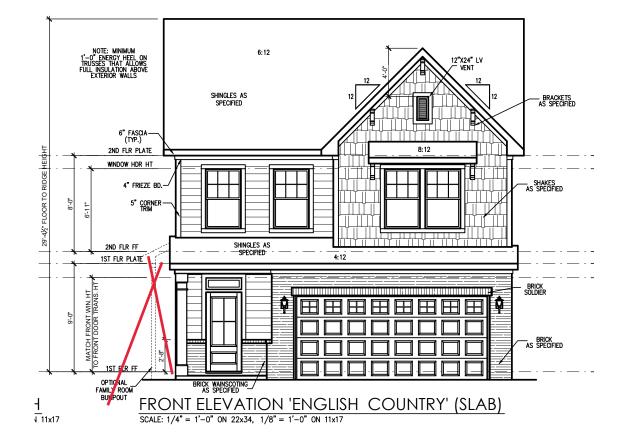
- Roof shall be finished with architectural composition shingles with slopes as noted on plan.
- Ridge Vent shall be provided and installed on all ridges greater than 6' in length per manufacturer's specifications.
- 3. Soffit Vent shall be continuous soffit vent
- House Wrap, "tyvek" or approved equal shall be installed over entire exterior wall per manufacturer's specifications and recommendations.
- Flashing shall be provided above all door and window openings, above finish wall material changes and at wall surfaces where lower roof areas abut vertical wall surfaces.
- Porch Railings shall be provided at all porch walking surfaces greater than 30" above adjacent finished grade. It shall be 36" high with guards spaced no more than 4" apart. Consult community specifications for material.
- Finish Wall Material shall be as noted on elevation drawings.
- 8. Brick Veneer, if included on elevation shall be fled to wall surface with galvanized corrugated metal fles at a rate of 24" oc horizontally and 16" oc vertically so that no more than 2.67sf of brick is supported by (1) fle. Space between face of wall and back face of brick shall be limited to a maximum of 1". Flashing shall be provided behind brick above all wall openings and at base of brick wall. Rashing shall be a minimum of 6-mil poly or other corrosion resistant material and shall be installed so that it laps under the house wrap material a minimum of 2".

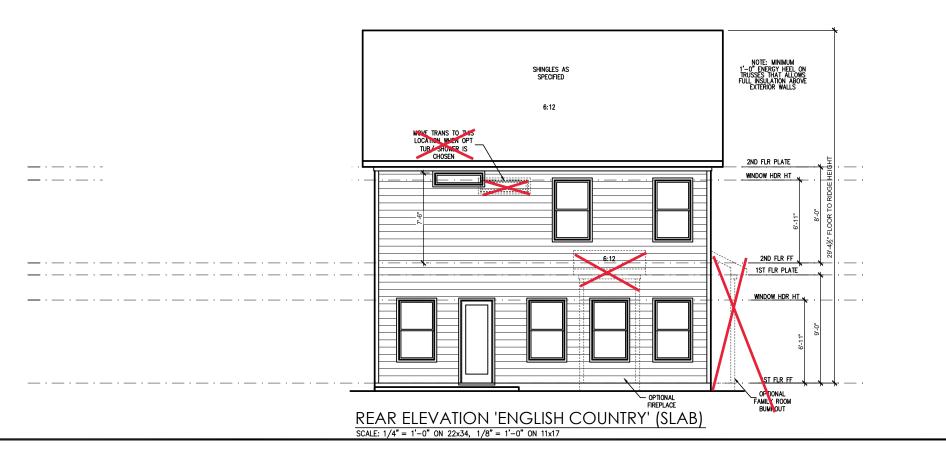
 Weepholes shall be provided at a rate of 48" oc and shall not be less than 3/16" in diameter and shall be located immediately above flashing.
- Brick Veneer Support Lintels shall be provided if brick veneer is included on elevation. Lintels shall be provided as listed in the following schedule and shall have a minimum bearing length of 6". Masonry Lintels shall be provided so that deflection is limited to L/600.

Masonry Opening Lintel Schedule

Opening Size Angle

up to 4'-0" 3-1/2" x 3-1/2" x 5/16" 4'-1" to 5'-6" 4" x 3-1/2" x 5/16" LLV 5'-7" to 6'-6" 5" x 3-1/2" x 5/16" LLV 6'-7" to 8'-4" 6" x 3-1/2" x 5/16" LLV 8'-5" to 16'-4" 7" x 4" x 3/8" LLV







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2010 - SMITHFIELD - RH
--Front & Rear Elevations (Slab) 'English Country'

DRAWN BY: South Designs

ISSUE DATE: 10/29/2021 CURRENT REVISION DATE:

SCALE: 1/8" = 1'-0"

3.1c

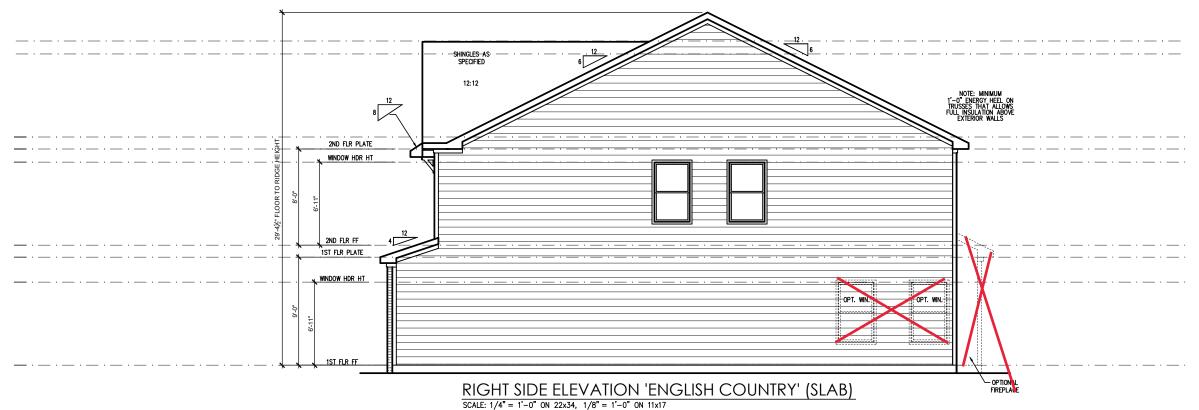
General Elevation Notes

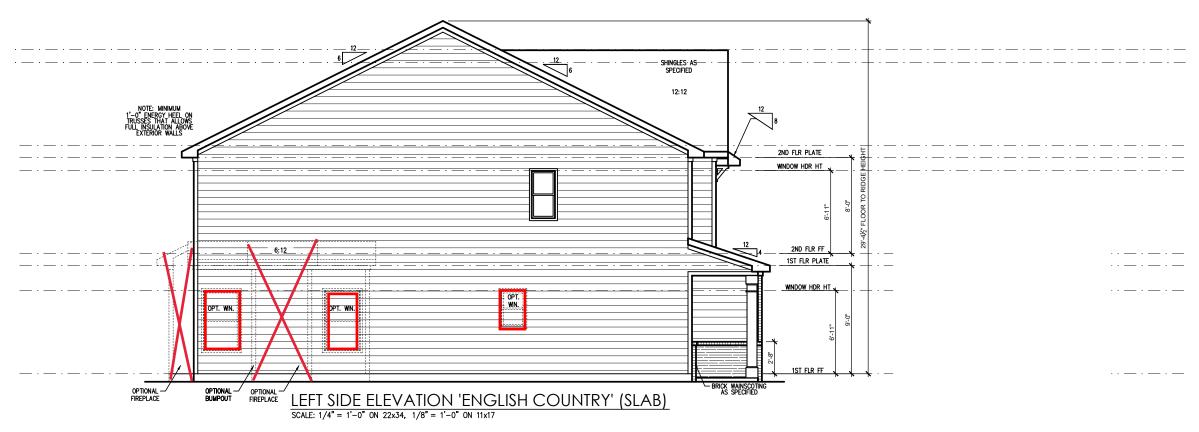
General Elevation Notes shall apply unless noted otherwise on plan.

- Roof shall be finished with architectural c shingles with slopes as noted on plan.
- Ridge Vent shall be provided and installed on all ridges greater than 6' in length per manufacturer's specifications.
- 3. Soffit Vent shall be continuous soffit vent
- House Wrap, "tyvek" or approved equal shall be installed over entire exterior wall per manufacturer's
- Flashing shall be provided above all door and window openings, above finish wall material changes and at wall surfaces where lower roof areas abut vertical wall surfaces.
- Porch Railings shall be provided at all porch walking surfaces greater than 30" above adjacent finished grade. It shall be 36" high with guards spaced no more than 4" apart. Consult community
- Finish Wall Material shall be as noted on elevation
- Brick Veneer, if included on elevation shall be tied to wall surface with galvanized corrugated metal ties at a rate of 24" oc horizontally and 16" oc vertically so that no more than 2.67sf of brick is supported by (1) that no more than 2.67st of brick is supported by (1) tie. Space between face of wall and back face of brick shall be limited to a maximum of 1". Flashing shall be provided behind brick above all with openings and at base of brick wall. Flashing shall be a minimum of 6-mil poly or other corosion resistant material and shall be installed so that it laps under the house wrap material a minimum of 2". Weepholes shall be provided at a rate of 48" oc and shall not be less than 3/16" in diameter and shall be located immediately above flashing.
- Brick Veneer Support Lintels shall be provided if brick veneer is included on elevation. Lintels shall be provided as listed in the following schedule and shall have a minimum bearing length of 6". Masonry Lintels shall be provided so that deflection is limited to L/600.

Masonry Opening Lintel Schedule

up to 4'-0"
4'-1" to 5'-6"
5'-7" to 6'-6"
6'-7" to 8'-4"
8'-5" to 16'-4" 3-1/2" x 3-1/2" x 5/16" 4" x 3-1/2" x 5/16" LLV 5" x 3-1/2" x 5/16" LLV 6" x 3-1/2" x 5/16" LLV 7" x 4" x 3/8" LLV







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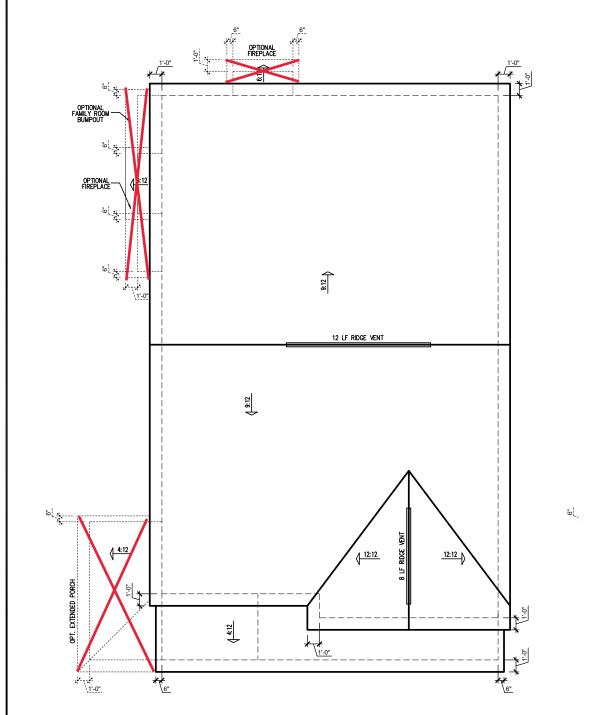
Side Elevations (Slab) 'English Country SMITHFIELD 2010

RH

South Designs

ISSUE DATE: 10/29/2021 JRRENT REVISION DATE:

SCALE: 1/8" = 1'-0"



 $\frac{\text{"ENGLISH COUNTRY" ATTIC OPTION ROOF PLAN}}{\text{Scale: 1/4" = 1'-0" on 22x34, 1/8" = 1'-0" on 11x17}}$

			A	TTIC '	VENT S	CHEDU	LE		
			"E	NGLISH	COUNTRY	" ELEVATION	NC		
MAIN	HOUSE		SQ FTG	1192	AT	/ NEAR RID	GE	AT / NE	AR EAVE
VENT TYPE	SQ. REQL		SQ. FT.	PERCENT OF TOTAL	POT LARGE (SQ. FT. EACH)	POT SMALL (SQ. FT. EACH)	RIDGE VENT (SQ. FT. PER LF)	EAVE VENT (SQ. IN. EACH)	CONT. VENT (SQ. IN. PER LF)
	RAN		SUPPLIED	SUPPLIED	0.4236	0.2778	0.125	0.1944	0.0625
RIDGE VENT	1.59	1.99	2.00	47.06	0	0	16.00		
SOFFIT VENTS	2.38	1.99	2.25	52.94				0	36.00
TOTAL (MIN)	3.97	3.97	4.25	100.00	POT VENTS MAY BE	E REQUIRED IF THERE	IS INSUFFICIENT RID	GE AVAILABLE	

^{*} SCHEDULE HAS BEEN CALCULATED ASSUMING EAVE VENTILATION AT 50-60% OF TOTAL AND RIDGE AT 40-50% OF TOTAL REQUIRED VENTILATION



REV.# DESCRIPTION DATE 1 — 2 — 3 — 4 — 6 — 7 — 8 —
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2010 - SMITHFIELD - RH
--Roof Plan 'English Country'

DRAWN BY: South Designs

ISSUE DATE: 10/29/2021 CURRENT REVISION DATE:

SCALE: 1/8" = 1'-0"

3.3c

Southern Engineers, P.A. 3716 Benson Drive, Raleigh, NC 27609 Phone: (919) 878-1617 License: C-4772 www.southernengineers.com

PROJECT # 21-3366-RH

NEW HOME, INC.

SMITHFIELD

S-1.1

PATIO 903 SD 903 SD 903 SD 12'-6<u>3</u>" IO4A SD I8" WIDE × IO" DEEP CONC. FTG. IOOA SD I8" WIDE TURN-DOWN FTG. IO5A SD I8" WIDE × IO" DEEP CONC. FTG. IOIA SD IB" WIDE TURN-DOWN FTG. 4" CONC. SLAB (TABLE R402.2)
WITH FIBERMESH OR WIREMESH
ON 6 MIL VAPOR RETARDER
(AS REQ'D) ON BASE COURSE
(R506.2.2). SEE R506.2.1 FOR
FILL REQUIREMENTS. 102A MT - 36"x36"x12" CONC. FTG. - 36"x36"x12" CONC. FTG. 8'-0" IO3A SD 12" WIDE — TURN-DOWN FTG. DIMENSIONS ARE TO FRAMING. ADD 5" FOR BRICK VENEER AS REQ'D. 18" WIDE TURN-DOWN FTG. -PLUS 5" BRICK LEDGE AT BRICK VENEER AND WAINSCOTING (TYP.) 20'-0" 24"x24"x10"_ CONC. FTG.

SLAB FOUNDATION PLAN 'ENGLISH COUNTRY' SCALE: 1/8"=1'-0" ON 11x17, 1/4"=1'-0" ON 22x34

12" WIDE
TURN-DOWN FTG.
WITH COVERED
PORCH

Roof Truss Version

TRUSS SYSTEM REQUIREMENTS

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

- TRUSS SYSTEM LAYOUTS (PLACEMENT PLANS) SHALL BE DESIGNED IN ACCORDANCE WITH SEALED STRUCTURAL. PLANS. ANY NEED TO CHANGE TRUSSES SHALL BE COORDINATED WITH SOUTHERN ENGINEERS.
- TRUSS SCHEMATICS (PROFILES) SHALL BE PREPARED AND SEALED BY TRUSS MANUFACTURER.
- ALL TRUSSES SHALL BE DESIGNED FOR BEARING ON SPF #2 OR #3 PLATES OR LEDGERS (UNO).
- ALL REQUIRED ANCHORS FOR TRUSSES DUE TO UPLIET OR BEARING SHALL MEET THE REQUIREMENTS AS SPECIFIED ON THE TRUSS SCHEMATICS.

HEADER/BEAM & COLUMN NOTES

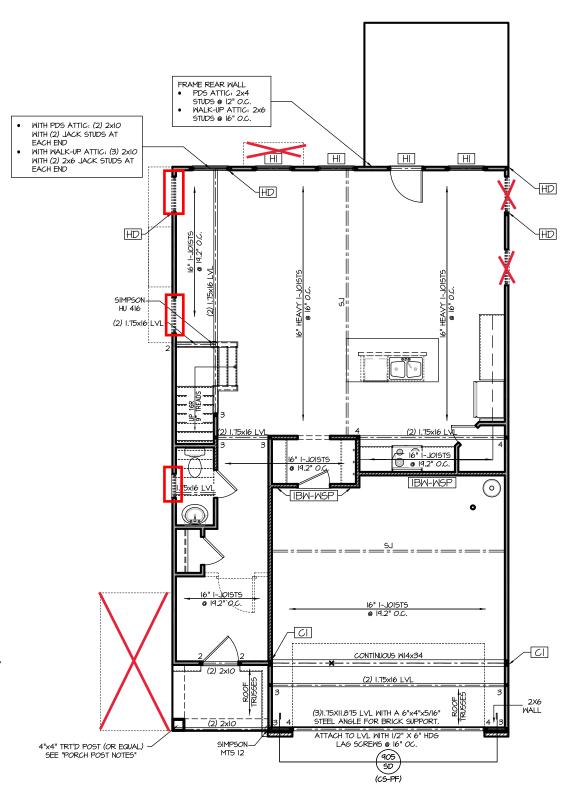
- ALL EXTERIOR AND LOAD BEARING HEADERS SHALL BE MIN. (2)2x6 (4" WALL) OR (3)2x6 (6" WALL) WITH (1) SUPPORT STUD, UNLESS NOTED OTHERWISE.
- 2. THE NUMBER SHOWN AT BEAM AND HEADER SUPPORTS INDICATES THE NUMBER OF SUPPORT STUDS REQUIRED IN STUD POCKET OR COLUMN. THE NUMBER OF KING STUDS AT EACH END OF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

NC (2018 NCRC): 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.
- 2. EXTERIOR WALL SHEATHING: WALLS SHALL BE BRACED BY SHEATHING WALLS ON ALL STORIES WITH WOOD STRUCTURAL PANEL SHEATHING (WSP) (EXPOSURE B: 7/16". 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
- 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 MSP SHEATHING MAY BE SPLICED ACROSS STUDS (CONTINUOUS ACROSS FLOOR SYSTEM) WITH BLOCKING AT PANEL EDGES. (MINIMUM I2" BEYOND FLOOR BREAK) OR OTHER APPROVED
- 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.) STILLE TOR EXONO.

 ATTACH BASE OF KING STUD WITH A SIMPSON C522 STRAP DOWN ACROSS THE BAND AND DOWN TO A STUD BELOW OR HEADER BELOW. EXTEND STRAP 7" MIN ALONG EACH STUD (OR HEADER) AND ATTACH EACH END W/ (7) 8d NAILS.
- 5. INTERIOR BRACED WALL: (NOTED AS "IBM" ON PLANS) ATTACH I/2" GYPSUM BOARD (6B) ON EACH SIDE OF WALL WITH A MIN. OF 5d COOLER NAILS OR #6 SCREMS @ 7" O.C. ALONG THE EDGES AND AT INTERMEDIATE SUPPORTS.
- 6. INTERIOR BRACED WALL-WOOD STRUCTURAL PANEL: (NOTED AS "IBM-MSP" ON PLANS). ATTACH ONE SIDE WITH 1/6" 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" OC ALONG THE EDGES AND AT INTERMEDIATE SUPPORTS.



FIRST FLOOR PLAN 'ENGLISH COUNTRY'

SCALE: 1/8"=1'-0" ON 11x17, 1/4"=1'-0" ON 22x34



(SHALL BE ONE OF THE FOLLOWING OR EQUAL):

- TJI 210 BY TRUS JOIST LPI 20 PLUS BY LP
- BCI 5000s I.8 BY BC

HEAVY WOOD I-JOISTS

(SHALL BE ONE OF THE FOLLOWING OR EQUAL):

• TJI 360 BY TRUS JOIST

- IPI 42 PI IS BY IP
- BCI 60s 2.0 BY BC
- ALL WOOD I-JOISTS SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
- REQUIRED BY AND ACCORDING TO THE I-JOIST MANUFACTURER'S SPECIFICATIONS AND INSTRUCTIONS
- HANGERS FOR I-JOISTS ARE THE RESPONSIBILITY OF THE I-JOIST SUPPLIER.
- FLOOR TRUSSES BY MANUFACTURER MAY BE SUBSTITUTED FOR ANY I-JOISTS.

PORCH POST NOTES:

- 4"x4" (6"x6") TRT'D POST (OR EQUAL).
- ATTACH TRUSSES (RAFTERS) AT PORCH WITH HURRICANE
- POST CAP: SIMPSON AC4-MAX (AC6-MAX)
 POST CAP AT CORNER: (2) SIMPSON LCE4 (MITER HEADER AT CORNER). HIGH WIND; ADD (I) SIMPSON H6.

 3. POST BASE: SIMPSON ABU44 (ABU66).
- MONO: %" ANCHOR (EMBED 7")
- CMU: 5%" ANCHOR (EXTEND TO FOOTING HIGH WIND ONLY)
- 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.

HI

- WITH PDS ATTIC: (2) 2x12 WITH (2) JACK STUDS AT EACH END
- (2) 2x6 JACK STUDS AT EACH END

CI

3.5"x7" PSL/LVL COLUMN, INSTALL A 2x4 STUD ON EACH SIDE OF COLUMN AND ATTACH WITH (2) ROWS OF I2d CANTILLIA. CARO PROJECT # 21-3366-RH

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3716 Benson Dri
Phone: (

> HOME NEW

SMITHFIELD

S-2.

Roof Truss Version

TRUSS SYSTEM REQUIREMENTS

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

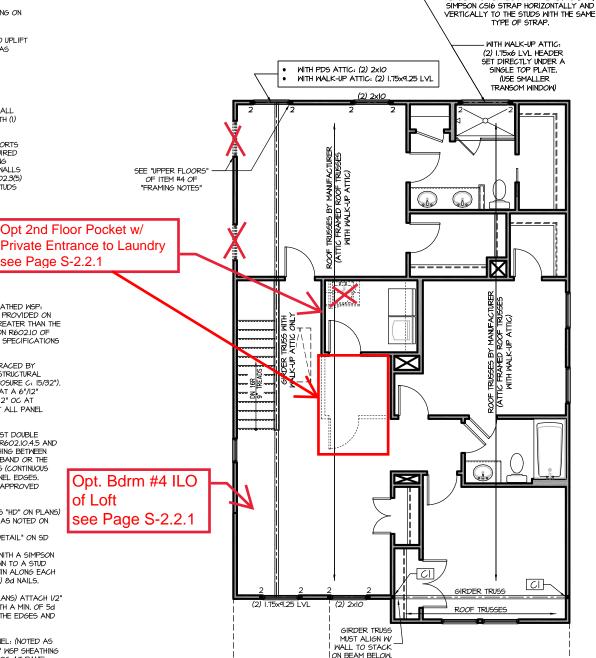
- TRUSS SYSTEM LAYOUTS (PLACEMENT PLANS) SHALL BE DESIGNED IN ACCORDANCE WITH SEALED STRUCTURAL PLANS. ANY NEED TO CHANGE TRUSSES SHALL BE COORDINATED WITH SOUTHERN ENGINEERS.
- TRUSS SCHEMATICS (PROFILES) SHALL BE PREPARED AND SEALED BY TRUSS MANUFACTURER.
- ALL TRUSSES SHALL BE DESIGNED FOR BEARING ON SPF #2 OR #3 PLATES OR LEDGERS (UNO).
- ALL REQUIRED ANCHORS FOR TRUSSES DUE TO UPLIET OR BEARING SHALL MEET THE REQUIREMENTS AS SPECIFIED ON THE TRUSS SCHEMATICS.

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, UNI ESS 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 NCDOI COMMENTARY "KING STUDS AT WALL OPENINGS" REVISED 1-9-2020:
- UP TO 3' SPAN: (I) 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 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 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 B: 7/16". 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
- 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 MSP SHEATHING MAY BE SPLICED ACROSS STUDS (CONTINUOUS ACROSS FLOOR SYSTEM) WITH BLOCKING AT PANEL EDGES. (MINIMUM 12" BEYOND FLOOR BREAK) OR OTHER APPROVED
- 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.)
- SHEET (OR EQUIV.)
 **UPPER FLOORS: ATTACH BASE OF KING STUD WITH A SIMPSON
 C522 STRAP DOWN ACROSS THE BAND AND DOWN TO A STUD
 BELOW OR HEADER BELOW. EXTEND STRAP T" MIN ALONG EACH STUD (OR HEADER) AND ATTACH EACH END W/ (7) 8d NAILS.
- 5. INTERIOR BRACED WALL: (NOTED AS "IBM" ON PLANS) ATTACH I/2" GYPSUM BOARD (6B) ON EACH SIDE OF WALL WITH A MIN. OF 5d COOLER NAILS OR #6 SCREMS @ 7" O.C. ALONG THE EDGES AND AT INTERMEDIATE SUPPORTS.
- 6. INTERIOR BRACED WALL-WOOD STRUCTURAL PANEL: (NOTED AS "IBM-MSP" ON PLANS). ATTACH ONE SIDE WITH 76" MSP 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" OC ALONG THE EDGES AND AT INTERMEDIATE SUPPORTS.



CI

WITH PDS ATTIC: (5) 2x4 COLUMN WITH WALK-UP ATTIC: (6) 2x4 COLUMN

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to be brought to the Failure to do so wi

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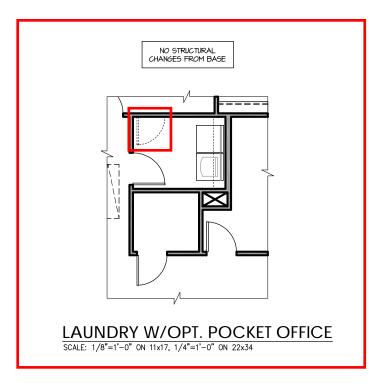
> HOME, NEW

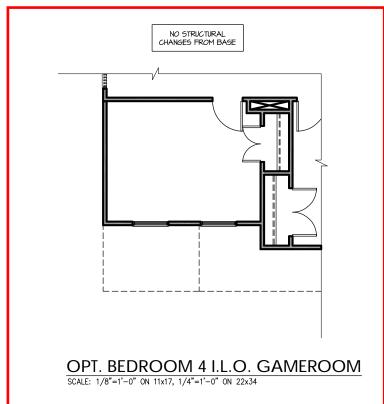
SMITHFIELD

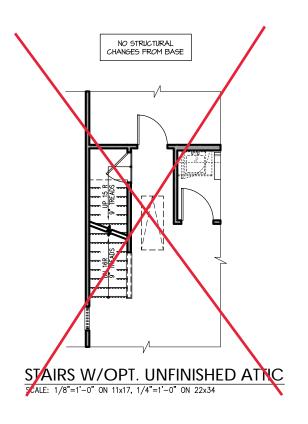
Roof Truss Version

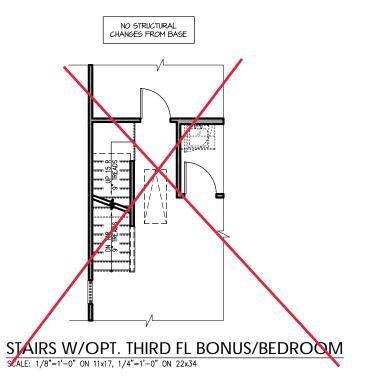
WITH PDS ATTIC: (2) 1.75x5.5 LVL HEADER

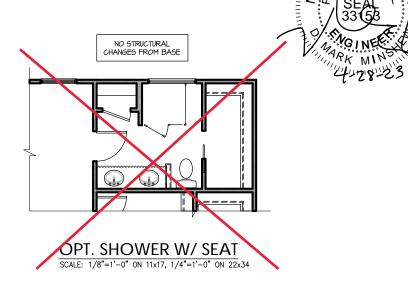
CUT OUT TOP PLATES AND ATTACH ENDS OF HEADER TO PLATES WITH A 12" LONG (MIN.)













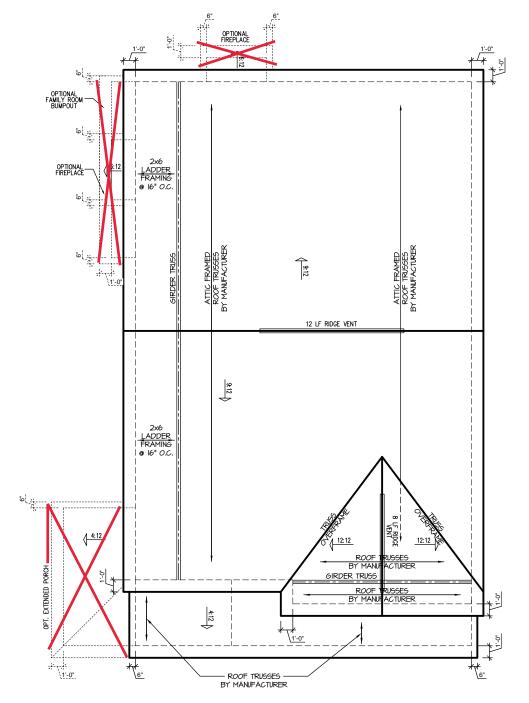


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NEW HOME, INC.

SMITHFIELD



"ENGLISH COUNTRY" ATTIC OPTION ROOF PLAN SCALE: "4/1 = 1'-0" ON 22x34, "8/1 = 1'-0" ON 11x17

TRUSS SYSTEM REQUIREMENTS NC (2018 NCRC): Wind: 115-120 mph

- TRUSS SYSTEM LAYOUTS (PLACEMENT PLANS) SHALL BE DESIGNED IN ACCORDANCE WITH SEALED STRUCTURAL PLANS. ANY NEED TO CHANGE TRUSSES SHALL BE COORDINATED WITH SOUTHERN ENGINEERS.
- TRUSS SCHEMATICS (PROFILES) SHALL BE PREPARED AND SEALED BY TRUSS MANUFACTURER.
- ALL TRUSSES SHALL BE DESIGNED FOR BEARING ON SPF #2 OR #3 PLATES OR LEDGERS (UNO).
- ALL REQUIRED ANCHORS FOR TRUSSES DUE TO UPLIET OR BEARING SHALL MEET THE REQUIREMENTS AS SPECIFIED ON THE TRUSS SCHEMATICS.

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

- (I) 2x8 RAFTERS @ 16" O.C. WITH 2x10 RIDGE, UNO.
- (2) 2xIO OR 1.75xI1.675 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
- FALSE FRAME VALLEY ON 2x10 FLAT PLATE
- 6. 2x6 RAFTERS @ 16" O.C. W/ 2x8 RIDGE, UNO.
- 1) 2xIO RAFTERS @ I6" O.C. W 2xI2 RIDGE, UNO. (8) EXTEND RIDGE 12" BEYOND INTERSECTION

MAIN HOUSE

1.59 1.99

2.38 1.99

3.97

VENT TYPE

RIDGE VENT

SOFFIT VENTS

- "SR" = SINGLE RAFTER
 "DR" = DOUBLE RAFTER
 "TR" = TRIPLE RAFTER
 "SS" = ROOF SUPPORT
 "B" = (3) STUD OR 4x4 POST FOR ROOF SUPPORT (USE
 2X6 STUDS OR 6X6 POST FOR SUPPORT OVER IO'-O' IN
- 2X6 SILUS ON BAD FOST ON SATIONAL STEELS ST. HEIGHT)
 ATTACH VAULTED RAFTERS WITH HURRICANE CLIPS:
 SIMPSON "H-25A" 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.

SQ FTG

SQ. FT.

2.00

2.25

4.25 100.00

1192

PERCENT

47.06

52.94

ATTIC VENT SCHEDULE "ENGLISH COUNTRY" ELEVATION

0.4236

* SCHEDULE HAS BEEN CALCULATED ASSUMING EAVE VENTILATION AT 50-60% OF TOTAL AND RIDGE AT 40-50% OF TOTAL REQUIRED VENTILATION

AT / NEAR RIDGE

0.2778

POT SMALL RIDGE VENT (SQ. FT. EACH) (SQ. FT. PER LF)

0.125

16.00



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AT / NEAR EAVE

EAVE VENT CONT. VEN (SQ. IN. EACH) (SQ. IN. PER LF)

0.0625

36.00

0.1944