

Smithfield - LH

'ENGLISH COUNTRY' ELEVATION

Lot 149 - Duncan's Creek

626 Duncan Creek Road
Lillington, NC 27546



ARCHITECTURAL DRAWINGS

Sheet No.	Sheet Description
0.0	Cover Sheet
1.1	Foundation (Slab)
1.1.1	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/ Stem Wall)
2.5	Extended Cafe Elevations & Roof Plan (Slab)
2.5.1	Extended Cafe Elevations & Roof Plan (Crawl/ Stem Wall)
2.6	Extended Cafe w/ Covered Patio Elevations & Roof Plan (Slab)
2.6.1	Extended Cafe w/ Cov. Deck Elev. & Roof Plan (Crawl/ Stem Wall)
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/ Stem Wall)
3.1.2	Front & Rear Elevations (Slab) Attic Option
3.1.3	Front & Rear Elevations (Crawl/ Stem Wall) Attic Option
3.2	Side Elevations (Slab)
3.2.1	Side Elevations (Crawl/ Stem Wall)
3.2.2	Side Elevations (Slab) Attic Option
3.2.3	Side Elevations (Crawl/ Stem Wall) 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 FOOTAGE

	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	2614	
	OPTIONS	
	UNHEATED S.F.	HEATED S.F.
UNFIN. THIRD FLOOR	554	0
FINISHED THIRD FLOOR	0	554
EXTENDED CAFE	144	+120
PATIO W/ EXT CAFE	+150	0
EXTENDED FAMILY	0	120
COVERED PATIO/DECK	144	0
EXT. FRONT PORCH	140	0



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.

REVISION LOG

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. 2. ADD "STEM WALL" TO CRAWL ELEVATION TITLES AND ADD NOTE "SEE FOUNDATION PAGES FOR FOUNDATION TYPE". UPDATE SHEET TITLES	
REVISION:004	DATE: 11/2/2023
1. ADD SIDE LOAD GARAGE PLAN FOR EXTENDED CAFE W/ MESSY KITCHEN 2. ADD FOUNDATION FOR SIDE LOAD GARAGE FOR EXTENDED CAFE W/ MESSY KITCHEN 3. REMOVE END CABINET OF MESSY KITCHEN 4. ADDED THREE 2/0X2/0 WINDOW OPTION FOR THE EXTENDED CAFE 5. REMOVED PULL DOWN STAIRS FROM THE SECOND FLOOR STAIR TO THIRD FLOOR OPTIONS.	

Redlines Completed 26-Feb-24 (DP)

THE SMITHFIELD - LH

Cover Sheet 'English Country'

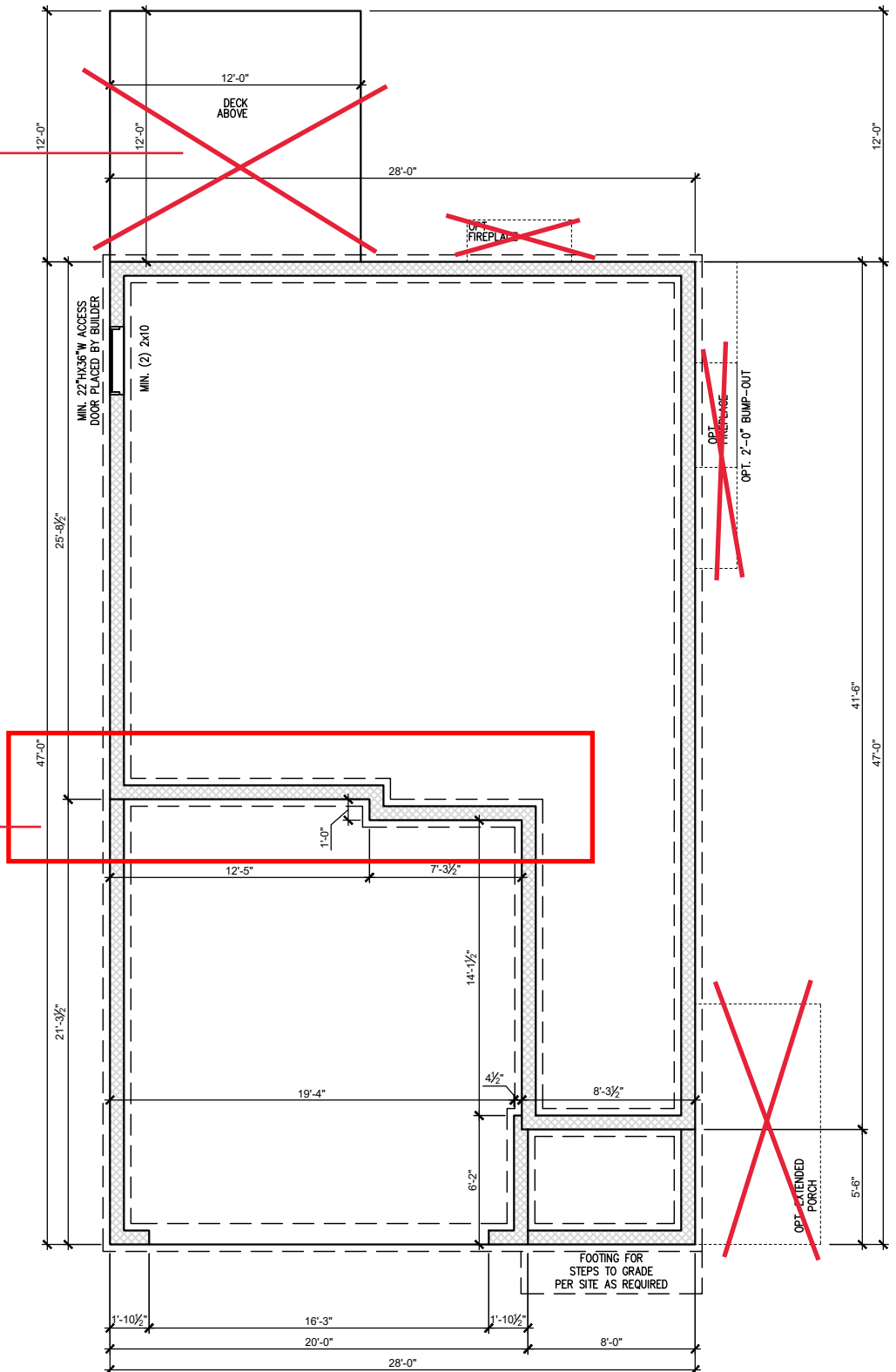
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DRAWN BY: South Designs/J.Jones
ISSUE DATE: 7/1/2021
CURRENT REVISION DATE: 03-01-23
SCALE: 1/8" = 1'-0"
SHEET 0.0c

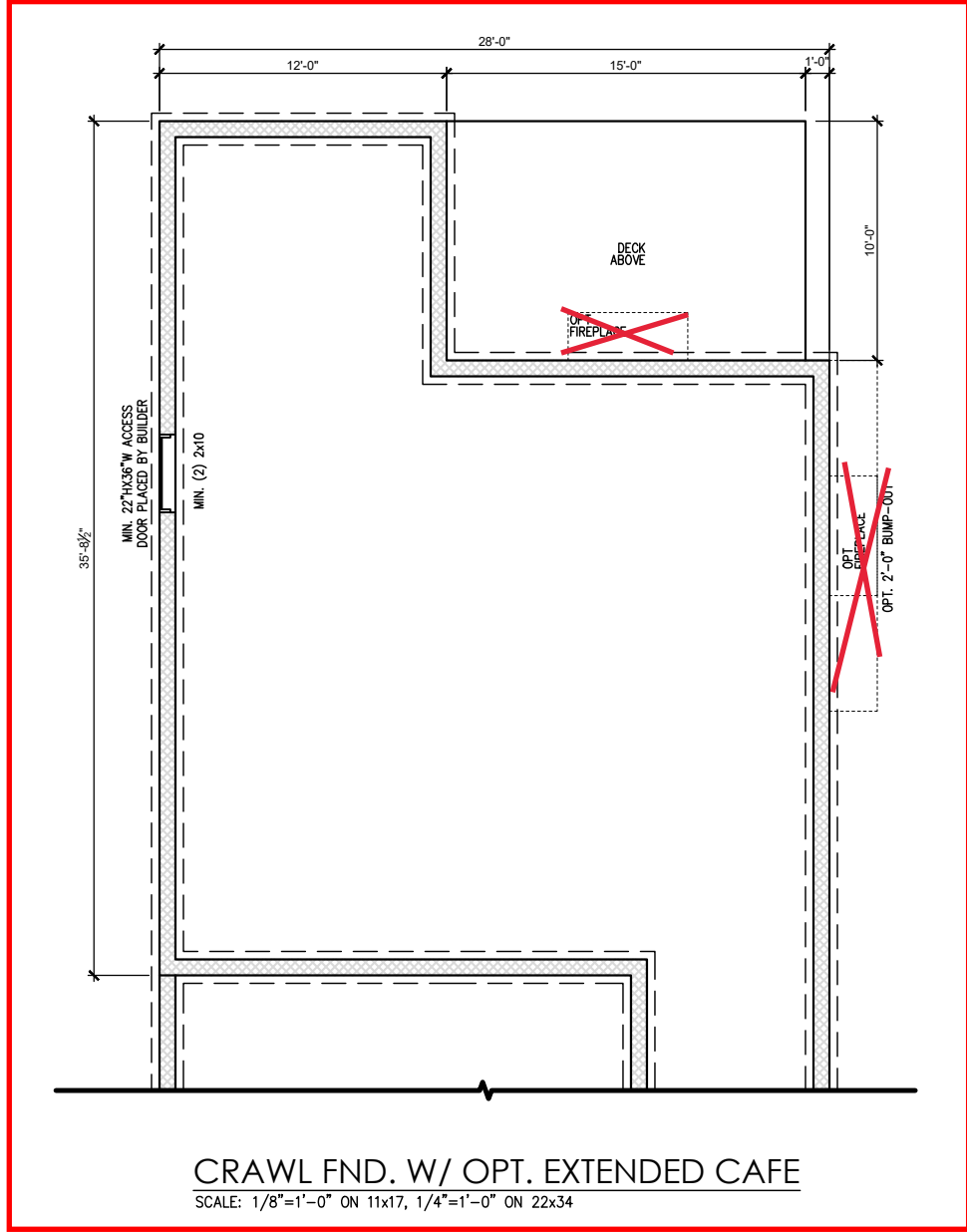
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See Page 1.2.1c for Extended Cafe ←

Rear Garage Wall Changes w/ Opt Kitchen with Messy Kitchen Option. See 1.2.1c ←



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



CRAWL FND. W/ OPT. EXTENDED CAFE
 SCALE: 1/8"=1'-0" ON 11x17, 1/4"=1'-0" ON 22x34

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THE SMITHFIELD - LH

 Crawl Foundation Options 'English Country'

DRAWN BY:
 South Designs/J.Jones
 ISSUE DATE:
 7/1/2021
 CURRENT REVISION DATE:
 03-01-23
 SCALE:
 1/8" = 1'-0"

General Floor Plan Notes

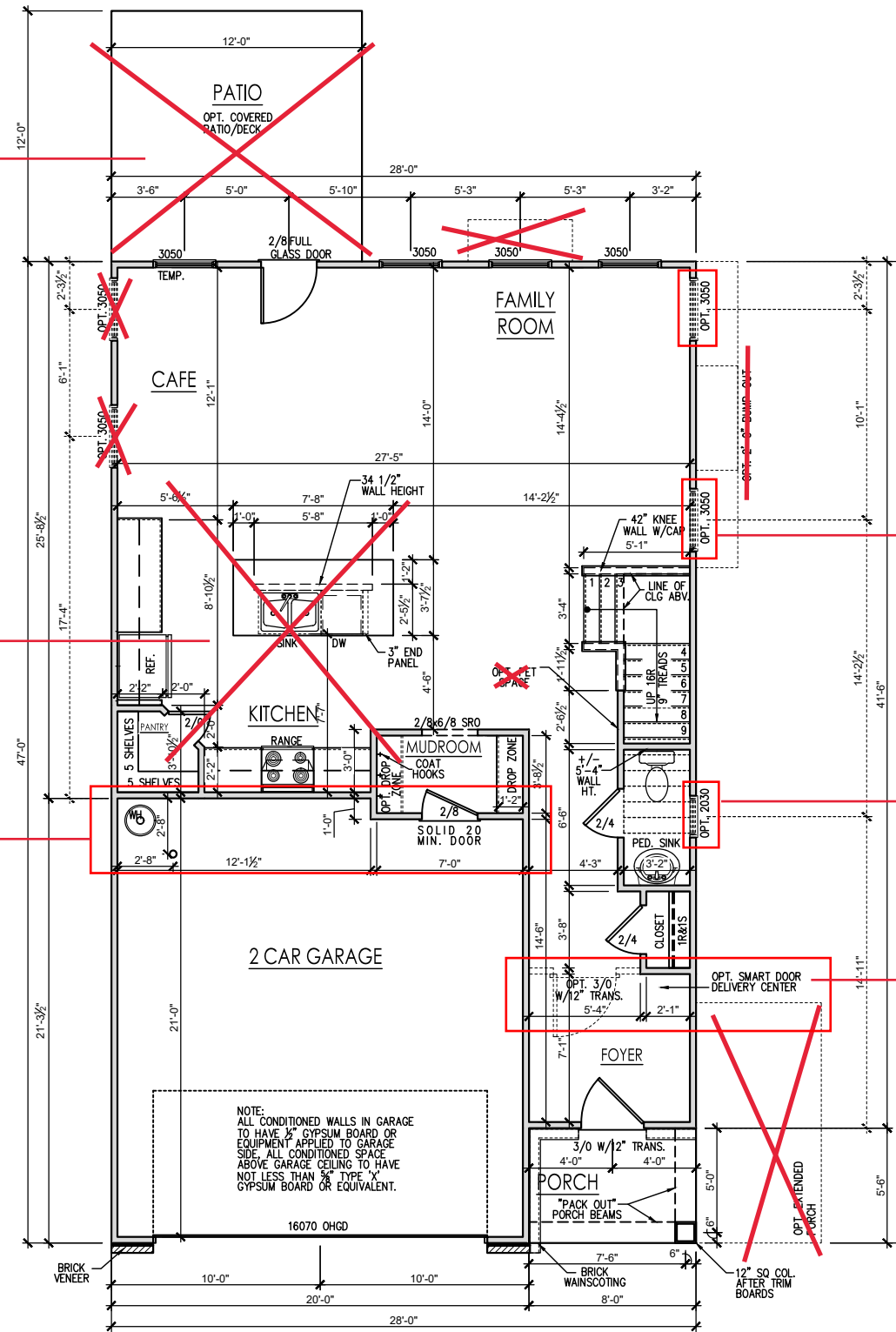
General Floor Plan Notes shall apply unless noted otherwise on plan.

1. 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.
2. 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.
4. 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.
6. 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.
7. 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.
8. 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.
9. 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 of 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. 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.

See Page 2.1.1c for Extended Cafe Option ←

See Page 2.1.1c for Opt Kitchen with Messy Kitchen ←

Opt Kitchen w/ Messy Kitchen Changes Back Wall of Garage. See Page 2.1.1c ←



Adding 20 3/0x5/0 Windows in Family

Adding 2/0x30 Window at Powder

Adding Smart Door Delivery



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THE SMITHFIELD - LH
 First Floor Plan 'English Country'

DRAWN BY:
 South Designs/J.Jones
 ISSUE DATE:
 7/1/2021
 CURRENT REVISION DATE:
 03-01-23
 SCALE:
 1/8" = 1'-0"

SHEET
 2.1c

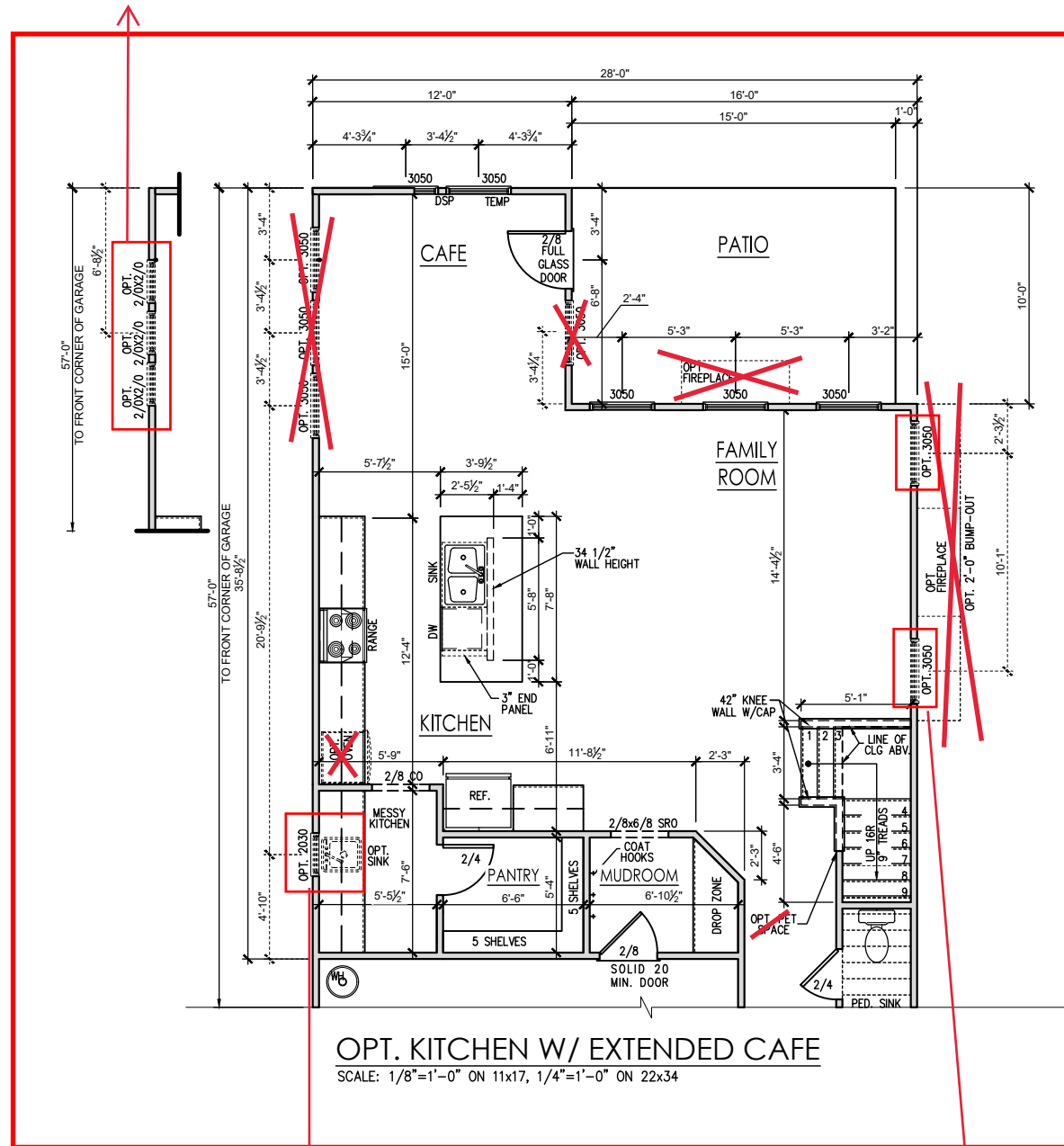
FIRST FLOOR PLAN 'ENGLISH COUNTRY'
 SCALE: 1/8"=1'-0" ON 11x17, 1/4"=1'-0" ON 22x34

General Floor Plan Notes

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Adding 3) 2/0x2/0 Windows at Extended Cafe



Adding 2/0x3/0 Window at Messy Kitchen and Sink

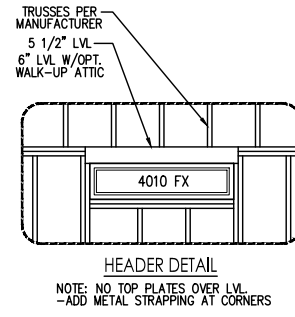
Adding 2) 3/0x5/0 Windows at Family Room

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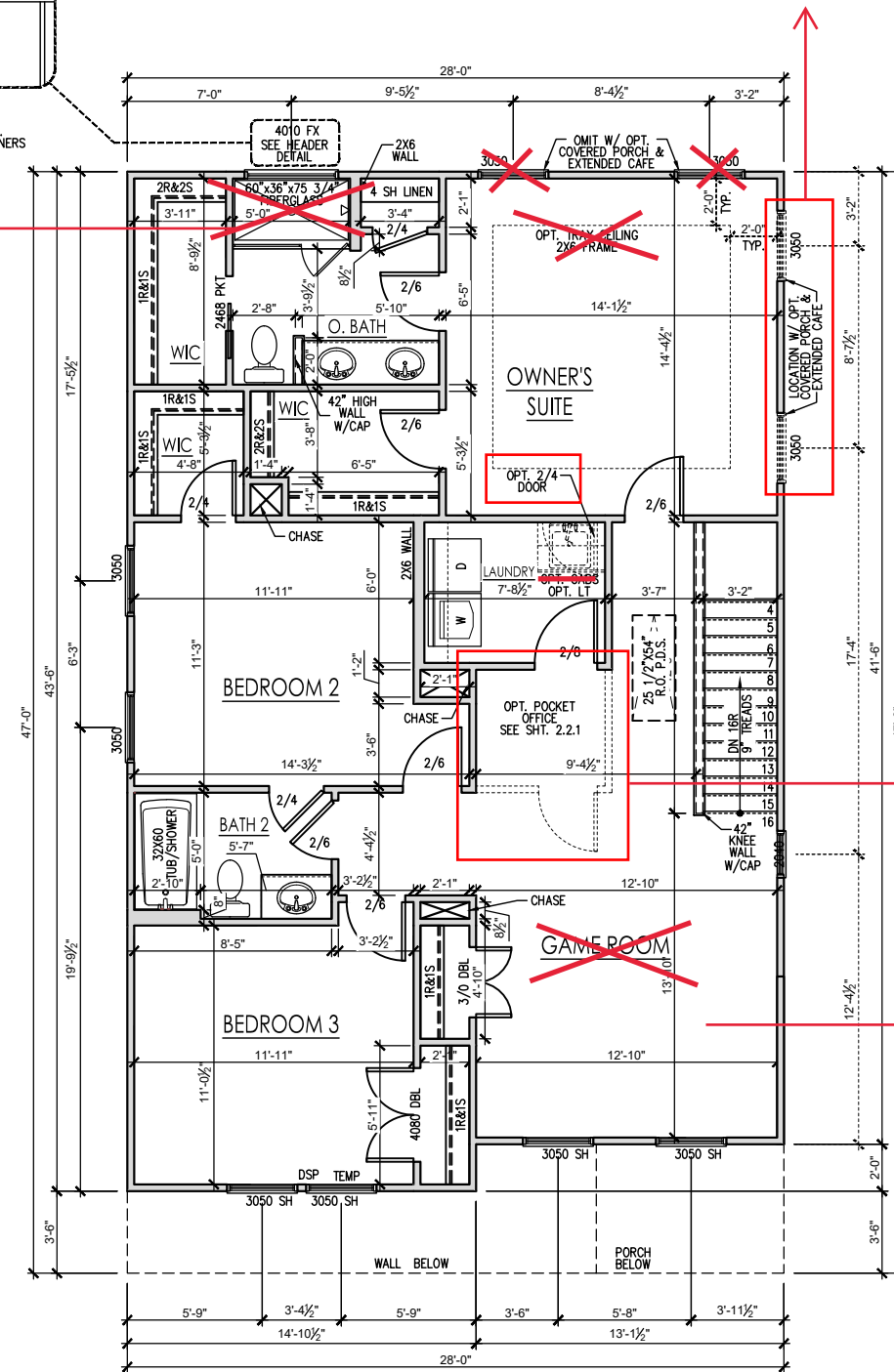
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See Page 2.2.1c for Shower w/ Seat Detail



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

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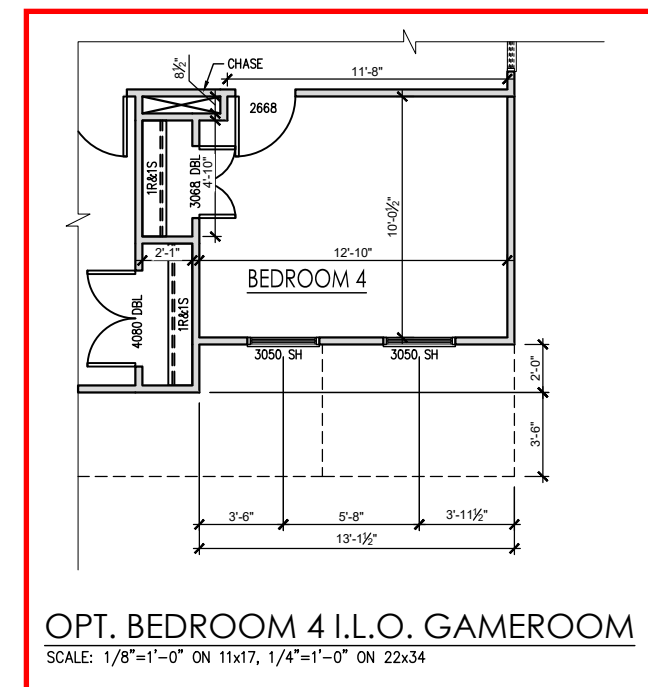
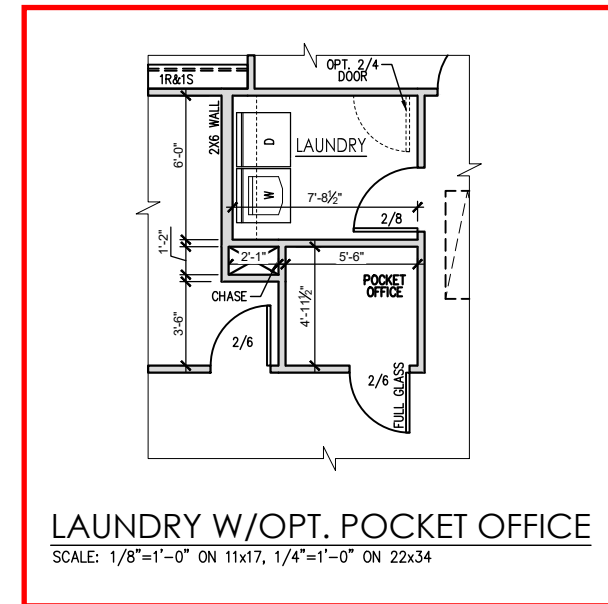
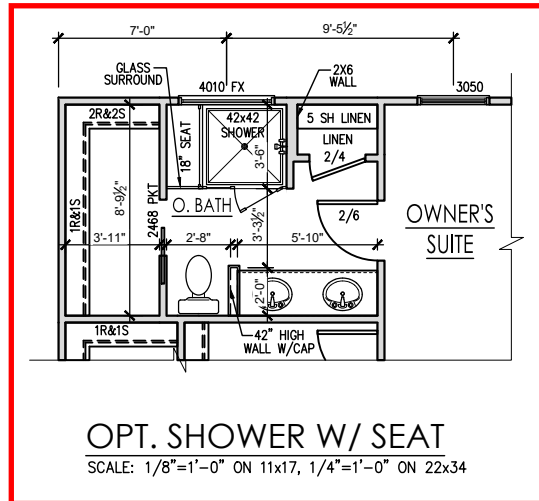
THE SMITHFIELD - LH
Second Floor Plan 'English Country'

DRAWN BY: South Designs/J.Jones
ISSUE DATE: 7/1/2021
CURRENT REVISION DATE: 03-01-23
SCALE: 1/8" = 1'-0"
SHEET 2.2c

General Floor Plan Notes

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

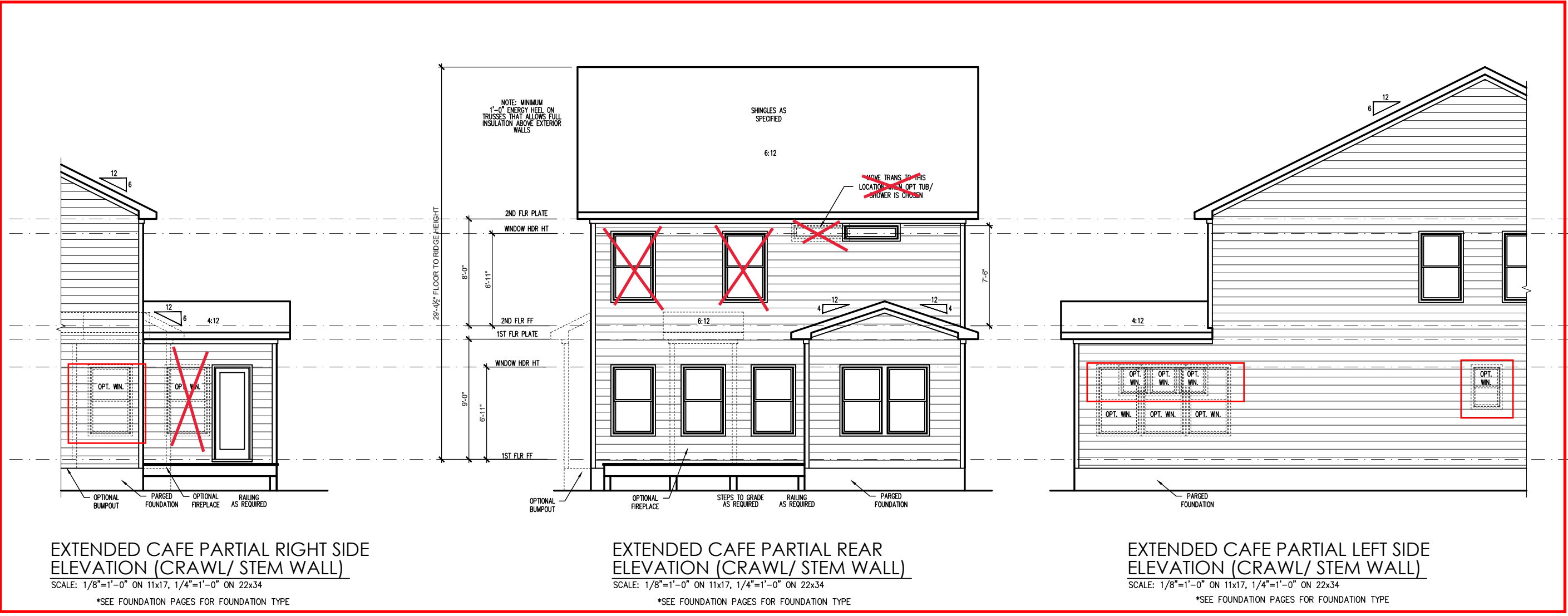
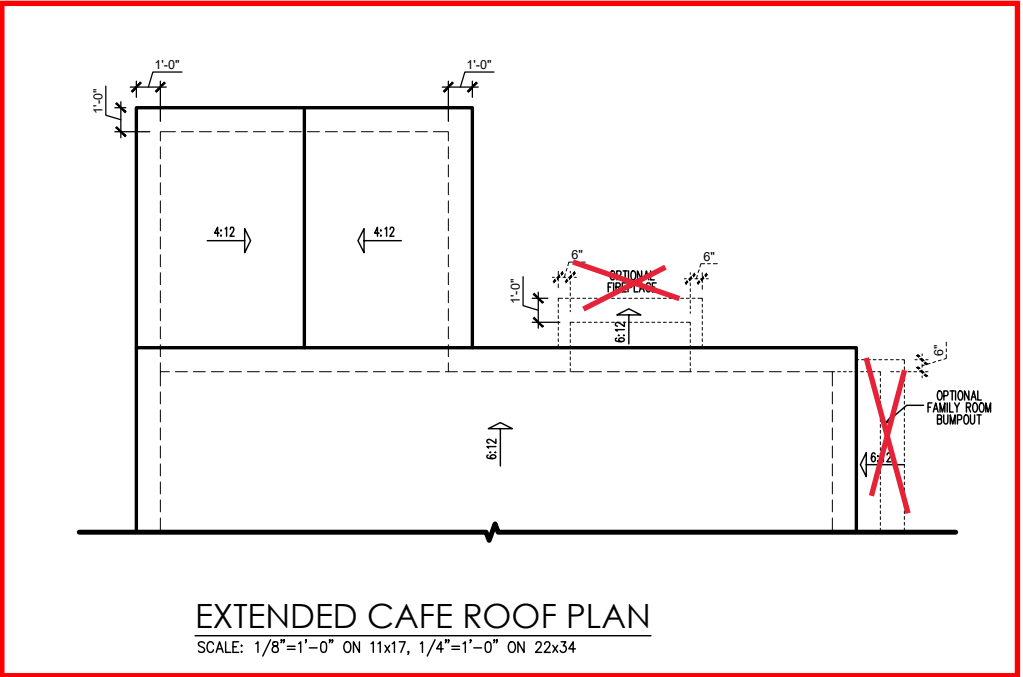
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THE SMITHFIELD - LH

Second Floor Plan Options 'English Country'



REV. #	DESCRIPTION	DATE
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THE SMITHFIELD - LH
Ext Cafe Roof Plan & Elev (Crawl or Stem Wall) 'English Country'

DRAWN BY:
South Designs/J.Jones
ISSUE DATE:
7/1/2021
CURRENT REVISION DATE:
03-01-23
SCALE:
1/8" = 1'-0"

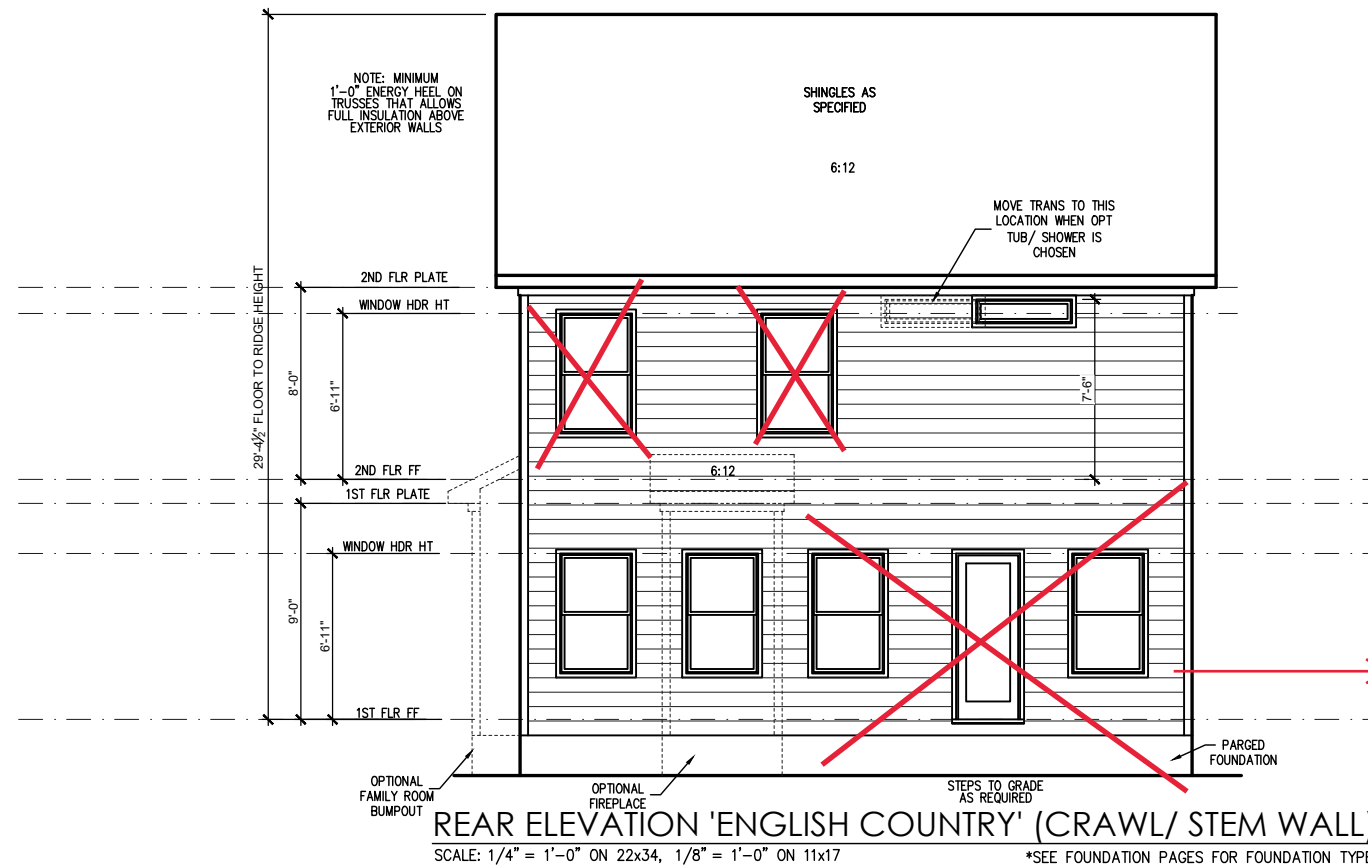
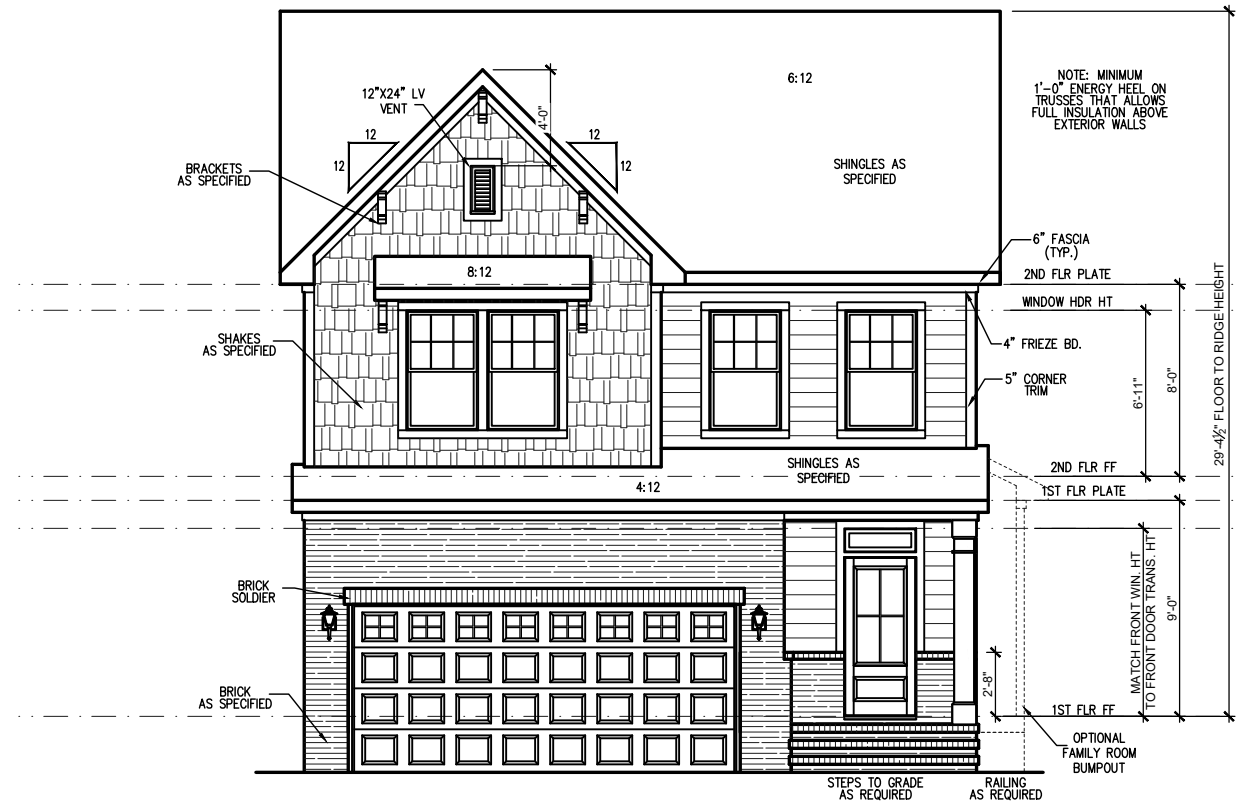
General Elevation Notes

General Elevation Notes shall apply unless noted otherwise on plan.

1. Roof shall be finished with architectural composition shingles with slopes as noted on plan.
2. 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
4. House Wrap, "Tyvek" or approved equal shall be installed over entire exterior wall per manufacturer's specifications and recommendations.
5. 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.
6. 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.
7. Finish Wall Material shall be as noted on elevation drawings.
8. 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) 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 wall openings and at base of brick wall. Flashing 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.
9. 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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THE SMITHFIELD - LH
Front & Rear Elev (Crawl or Stem Wall)
'English Country'

DRAWN BY:
South Designs/J.Jones
ISSUE DATE:
7/1/2021
CURRENT REVISION DATE:
03-01-23
SCALE:
1/8" = 1'-0"
SHEET
3.1.1c

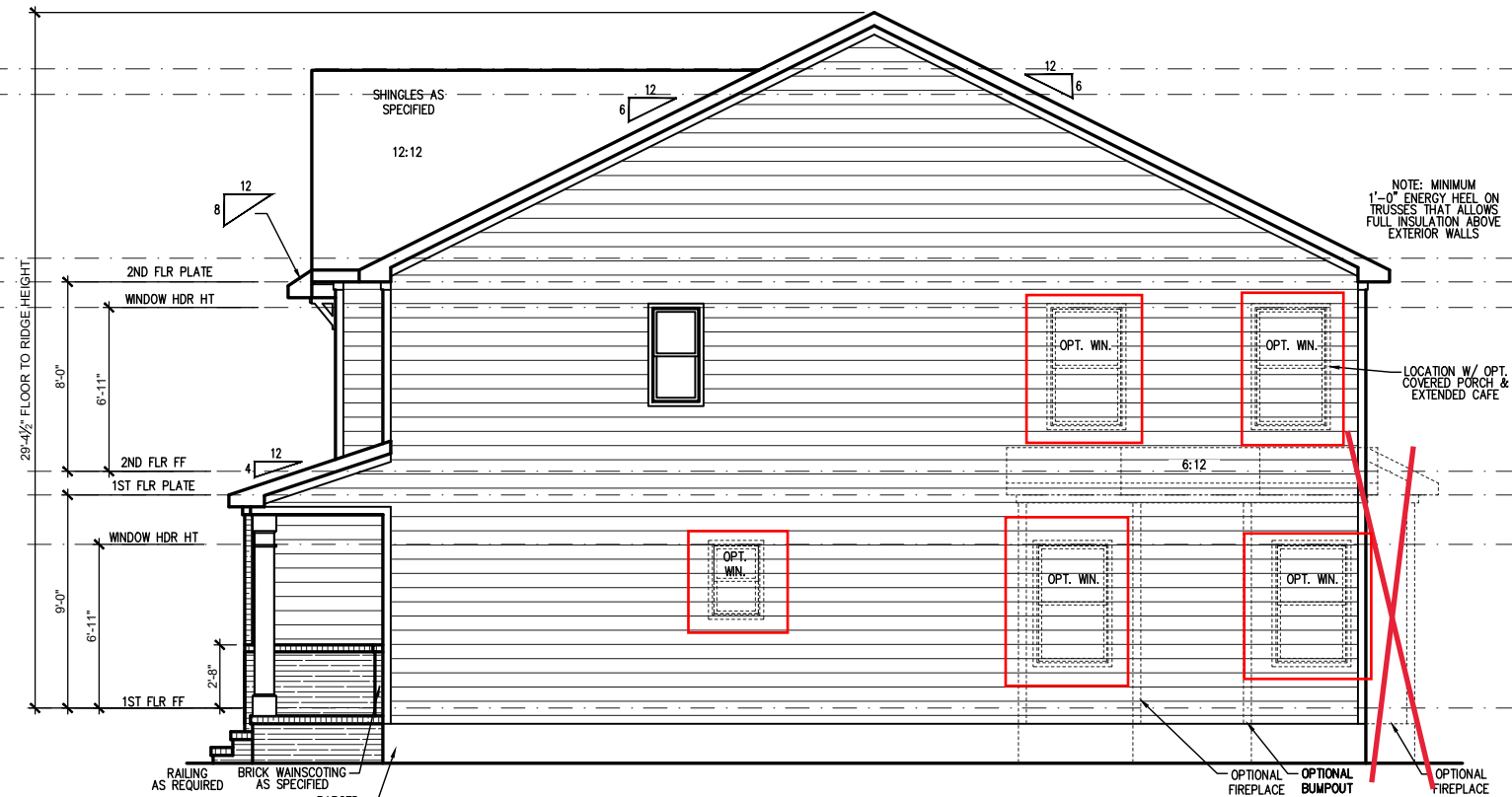
General Elevation Notes

General Elevation Notes shall apply unless noted otherwise on plan.

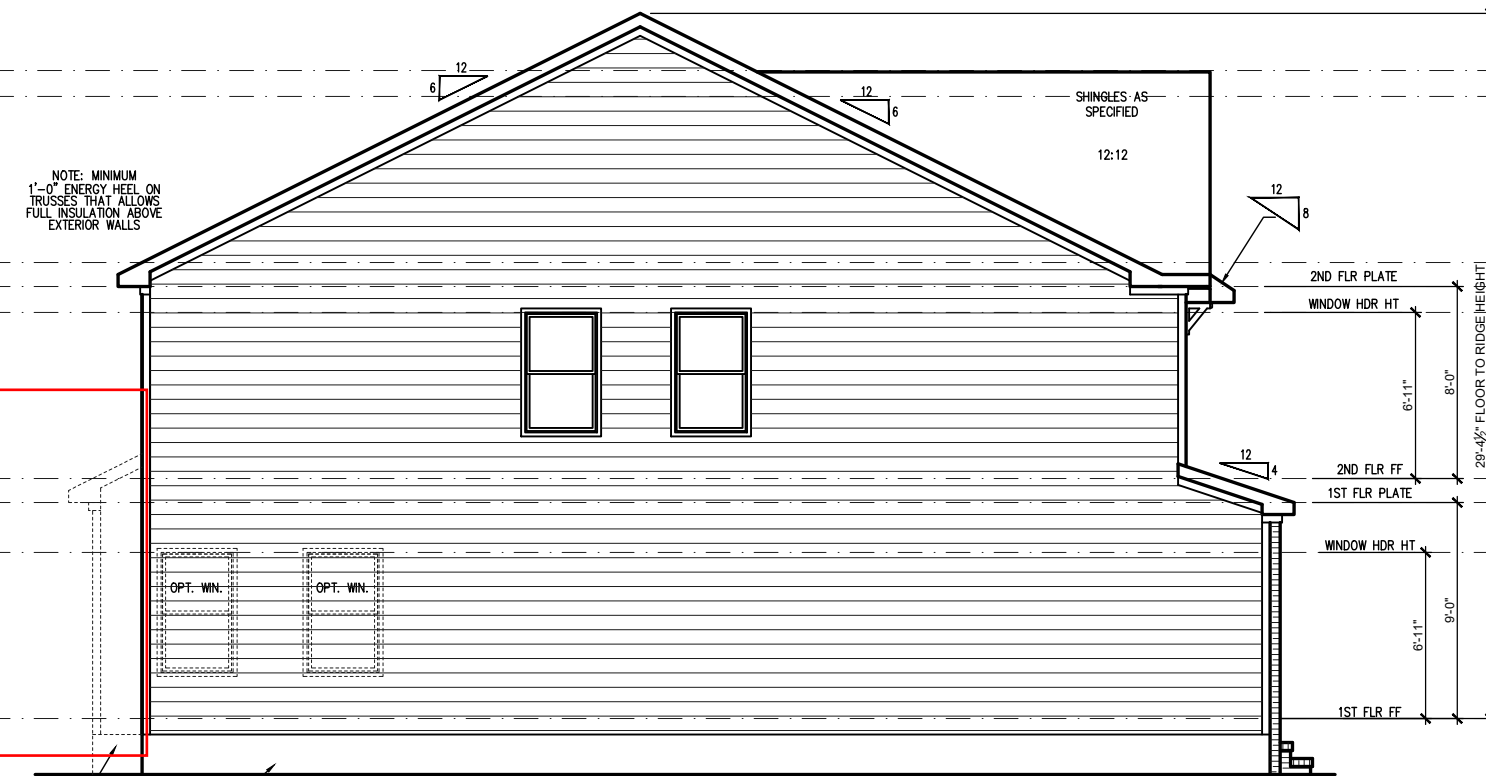
- Roof shall be finished with architectural composition shingles with slopes as noted on plan.
- Ridge Vent shall be provided and installed on all ridges greater than 6' in length per manufacturer's specifications.
- Soffit Vent shall be continuous soffit vent
- House Wrap, "Tyvek" or approved equal 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.
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Masonry Opening Lintel Schedule

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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



RIGHT SIDE ELEVATION 'ENGLISH COUNTRY' (CRAWL/ STEM WALL)
 SCALE: 1/4" = 1'-0" ON 22x34, 1/8" = 1'-0" ON 11x17 *SEE FOUNDATION PAGES FOR FOUNDATION TYPE



LEFT SIDE ELEVATION 'ENGLISH COUNTRY' (CRAWL/ STEM WALL)
 SCALE: 1/4" = 1'-0" ON 22x34, 1/8" = 1'-0" ON 11x17 *SEE FOUNDATION PAGES FOR FOUNDATION TYPE

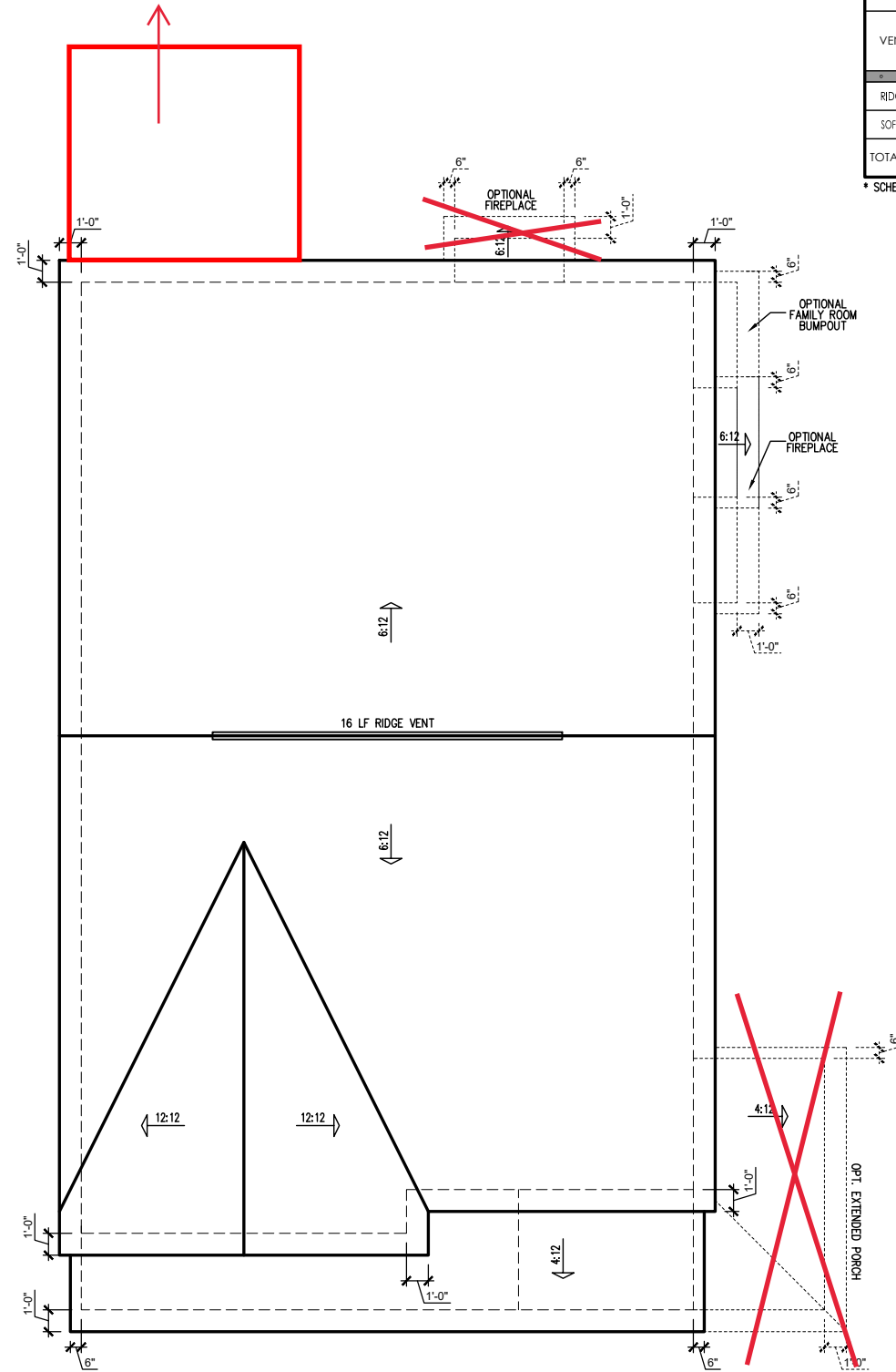
See Page 2.5.1c for Extended Cafe

REV.#	DESCRIPTION	DATE
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THE SMITHFIELD - LH
 Side Elevations (Crawl or Stem Wall)
 'English Country'

DRAWN BY:
South Designs/J.Jones
 ISSUE DATE:
7/1/2021
 CURRENT REVISION DATE:
03-01-23
 SCALE:
1/8" = 1'-0"

See Page 2.5.1c For Extended Cafe



"ENGLISH COUNTRY" ROOF PLAN

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

ATTIC VENT SCHEDULE								
"ENGLISH COUNTRY" ELEVATION								
MAIN HOUSE		SQ FTG	1192	AT / NEAR RIDGE			AT / NEAR EAVE	
VENT TYPE	SQ. FT. REQUIRED RANGE	SQ. FT. SUPPLIED	PERCENT OF TOTAL SUPPLIED	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)
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 REQUIRED IF THERE IS INSUFFICIENT RIDGE 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
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THE SMITHFIELD - LH

 Roof Plan 'English Country'

DRAWN BY:
 South Designs/J. Jones
 ISSUE DATE:
 7/1/2021
 CURRENT REVISION DATE:
 03-01-23
 SCALE:
 1/8" = 1'-0"

SHEET
3.3c

ELECTRICAL SYMBOL KEY	
LIGHT FIXTURES	
	CEILING SURFACE MOUNT LIGHT
	RECESSED CAN LIGHT
	LED PUCK LIGHT
	RECESSED CAN LIGHT WATERPROOF
	RECESSED CAN - EYEBALL
	PENDANT LIGHTING
	WALL SCONCE
	WALL MOUNT LIGHT
	FLOOD LIGHT
OUTLETS	
	DUPLEX OUTLET
	GFI OUTLET
	WATERPROOF GFI OUTLET
	SWITCHED 1/2 HOT DUPLEX OUTLET
	220V OUTLET
	TELEPHONE OUTLET
	CATV (TELEVISION) OUTLET
	UNDER-COUNTER OR CONCEALED OUTLETS
	CEILING MOUNTED DUP. OUTLET
	FLOOR MOUNTED DUP. OUTLET
SWITCHES	
	SINGLE POLE SWITCH
	THREE-WAY SWITCH
	FOUR-WAY SWITCH
	ELECTRICAL DISCONNECT
MISC FIXTURES	
	EXHAUST FAN
	JUNCTION BOX
	JUNCTION BOX 220V
	CARBON MONOXIDE DETECTOR OR SMOKE DETECTOR
	CARBON MONOXIDE DETECTOR AND SMOKE DETECTOR
	ELECTRIC METER
	ELECTRICAL PANEL
	DOOR BELL CHIME
	DOOR BELL PUSH BUTTON
	CEILING FAN PREWIRE
	FLUORESCENT LIGHT

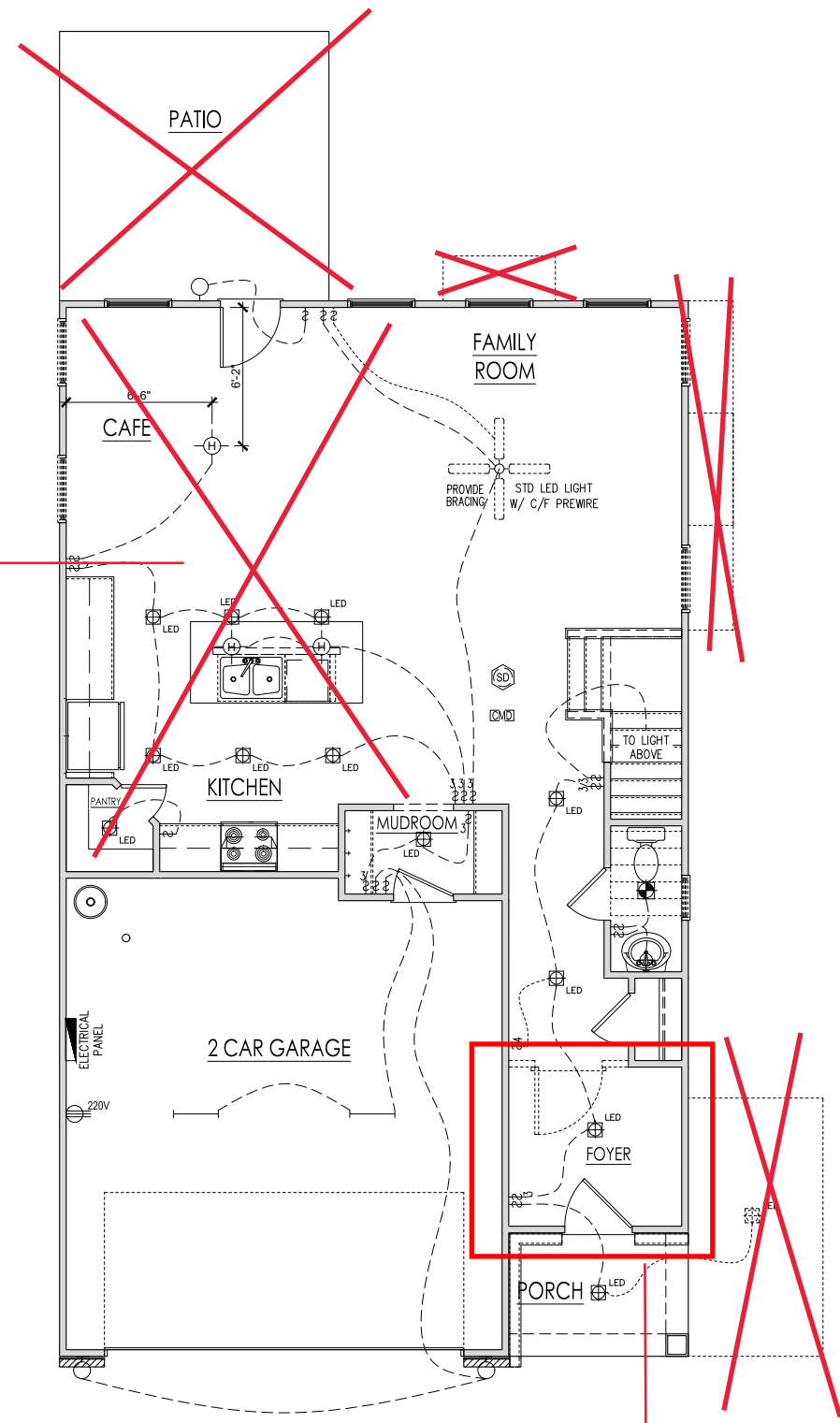
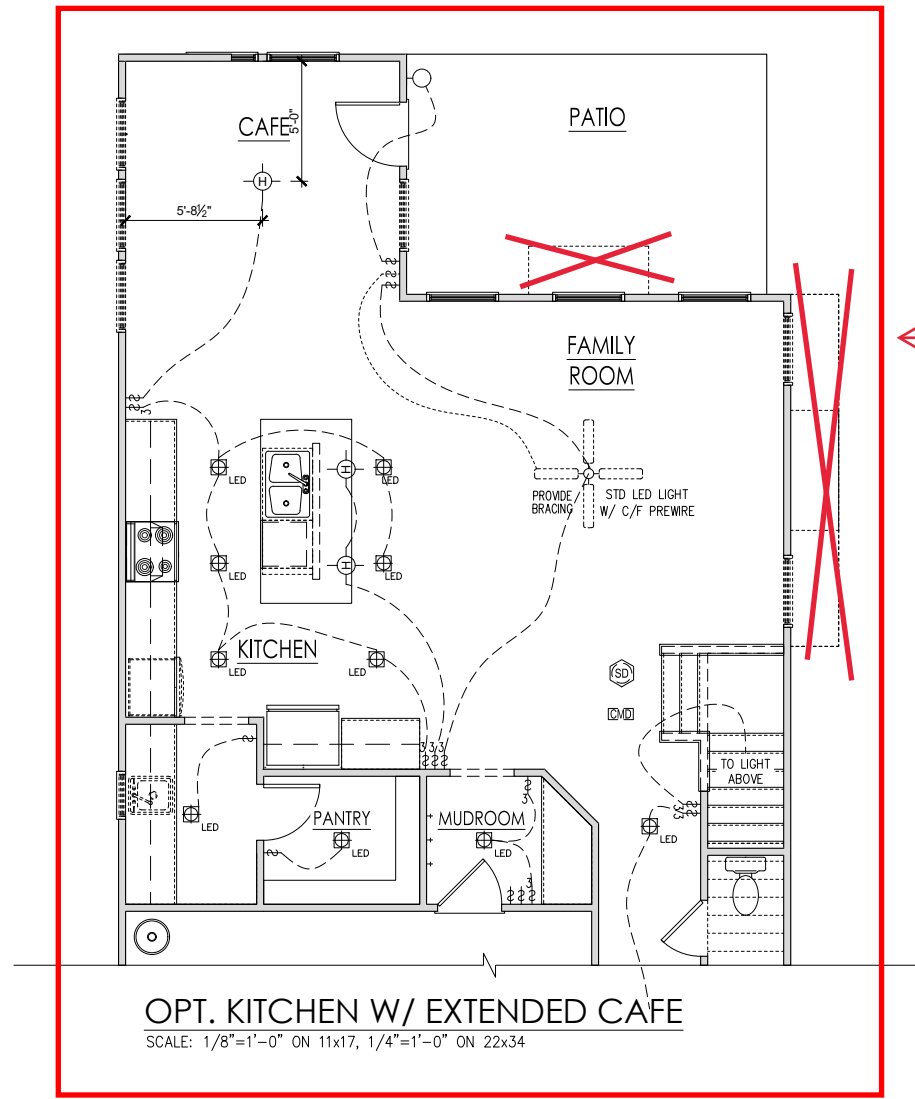
General Power and Lighting:

General Power and Lighting Notes shall apply unless noted otherwise on plans.

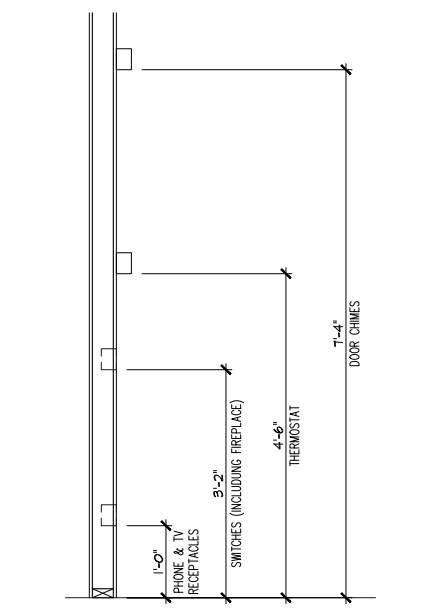
All work shall be installed per the current NC Residential Building Code, and the National Electric Code. Alarm devices shall meet NFPA 72.

- Smoke Alarms - Shall be provided as a minimum of (1) per floor, including basements (if applicable), (1) in each sleep room, and (1) outside each sleeping area, within the immediate vicinity of sleeping rooms. When more than one alarm is required, the alarm devices shall be interconnected in such a manner that the activation of one alarm will activate all of the alarms. Smoke alarms shall be hard wired to permanent power and shall have battery back-ups.
- Switches - For lighting, fans, etc. shall be installed at heights illustrated on this page and shall be located a minimum of 4 1/2" from door openings to allow for the proper installation of door casings. Switches, thermostats, security pads, and other similar devices shall be grouped together and installed thoughtfully for convenience of use and to avoid placement within centers of wall areas.

Note:
This plan is a diagram showing approximate locations of convenience outlets based on requirements found in the NC Residential Code and N.E.C. Actual positions may vary from what is shown on plan.



Smart Door Delivery



REV. #	DATE	DESCRIPTION
1		
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THE SMITHFIELD - LH
First Floor Electrical 'English Country'

DRAWN BY:
South Designs/J.Jones
ISSUE DATE:
7/1/2021
CURRENT REVISION DATE:
03-01-23

SCALE:
1/8" = 1'-0"
SHEET
5.1c

ELECTRICAL SYMBOL KEY

LIGHT FIXTURES	
	CEILING SURFACE MOUNT LIGHT
	RECESSED CAN LIGHT
	LED PUCK LIGHT
	RECESSED CAN LIGHT WATERPROOF
	RECESSED CAN - EYEBALL
	PENDANT LIGHTING
	WALL SCONCE
	WALL MOUNT LIGHT
	FLOOD LIGHT
OUTLETS	
	DUPLEX OUTLET
	GFI OUTLET
	WATERPROOF GFI OUTLET
	SWITCHED 1/2 HOT DUPLEX OUTLET
	220V OUTLET
	TELEPHONE OUTLET
	CATV (TELEVISION) OUTLET
	UNDER-COUNTER OR CONCEALED OUTLETS
	CEILING MOUNTED DUP. OUTLET
	FLOOR MOUNTED DUP. OUTLET
SWITCHES	
	SINGLE POLE SWITCH
	THREE-WAY SWITCH
	FOUR-WAY SWITCH
	ELECTRICAL DISCONNECT
MISC FIXTURES	
	EXHAUST FAN
	JUNCTION BOX
	JUNCTION BOX 220V
	CARBON MONOXIDE DETECTOR OR SMOKE DETECTOR
	CARBON MONOXIDE DETECTOR AND SMOKE DETECTOR
	ELECTRIC METER
	ELECTRICAL PANEL
	DOOR BELL CHIME
	DOOR BELL PUSH BUTTON
	CEILING FAN PREWIRE
	FLUORESCENT LIGHT

General Power and Lighting:

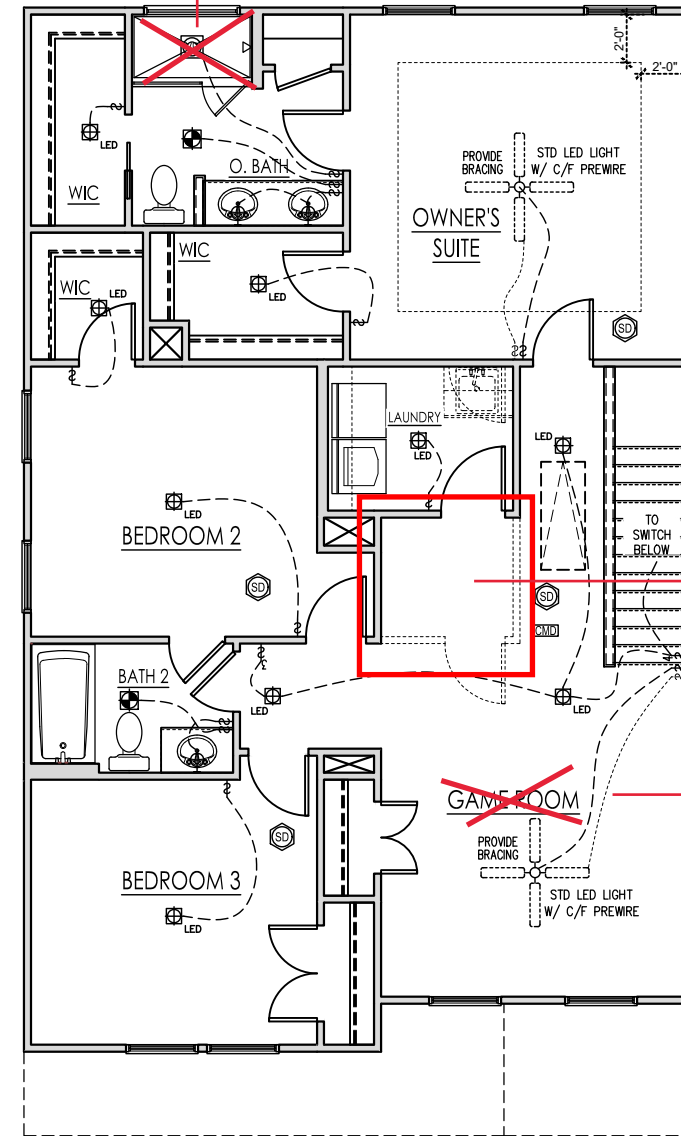
General Power and Lighting Notes shall apply unless noted otherwise on plans.

All work shall be installed per the current NC Residential Building Code, and the National Electric Code. Alarm devices shall meet NFPA 72.

- Smoke Alarms - Shall be provided as a minimum of (1) per floor, including basements (if applicable), (1) in each sleep room, and (1) outside each sleeping area, within the immediate vicinity of sleeping rooms. When more than one alarm is required, the alarm devices shall be interconnected in such a manner that the activation of one alarm will activate all of the alarms. Smoke alarms shall be hard wired to permanent power and shall have battery back-ups.
- Switches - For lighting, fans, etc. shall be installed at heights illustrated on this page and shall be located a minimum of 4 1/2" from door openings to allow for the proper installation of door casings. Switches, thermostats, security pads, and other similar devices shall be grouped together and installed thoughtfully for convenience of use and to avoid placement within centers of wall areas.

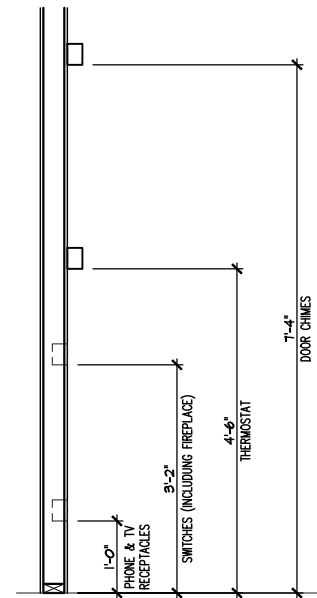
Note:
This plan is a diagram showing approximate locations of convenience outlets based on requirements found in the NC Residential Code and N.E.C. Actual positions may vary from what is shown on plan.

See Page 5.2.1c for Shower w/ Seat



See Page 5.2.1c for Pocket Office

See Page 5.2.1c for Bed 4 ILO Game Room



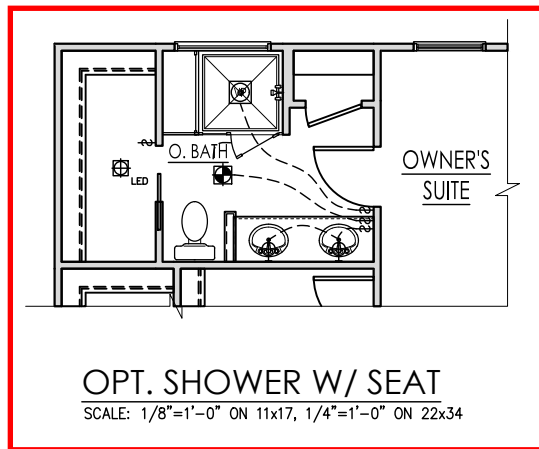
ELECTRICAL BOX HEIGHTS

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

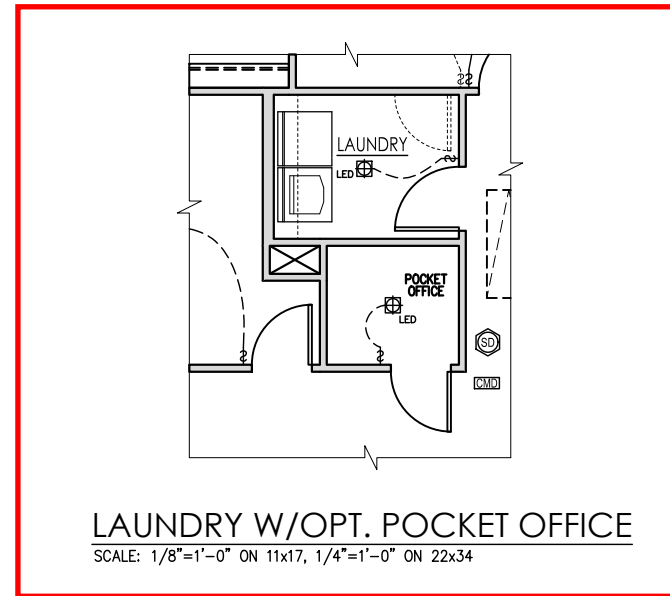
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THE SMITHFIELD - LH
Second Floor Electrical 'English Country'

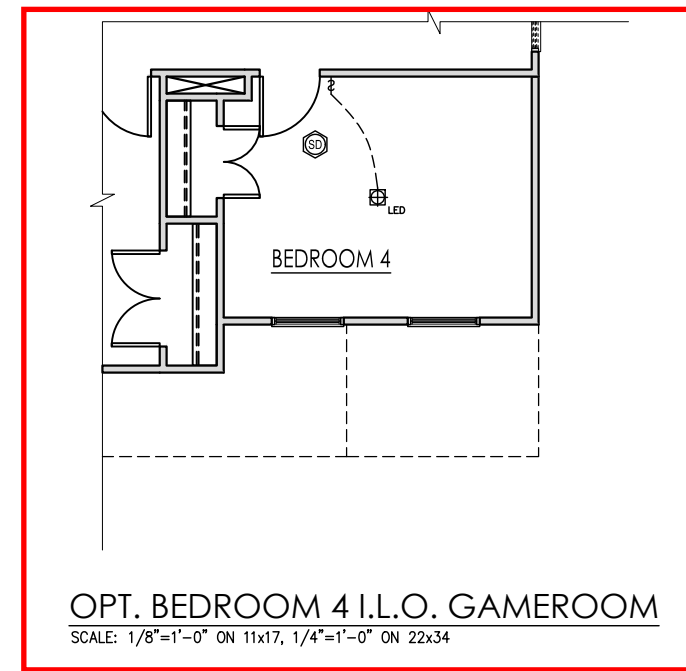
DRAWN BY:
South Designs/J.Jones
ISSUE DATE:
7/1/2021
CURRENT REVISION DATE:
03-01-23
SCALE:
1/8" = 1'-0"



OPT. SHOWER W/ SEAT
SCALE: 1/8"=1'-0" ON 11x17, 1/4"=1'-0" ON 22x34



LAUNDRY W/OPT. POCKET OFFICE
SCALE: 1/8"=1'-0" ON 11x17, 1/4"=1'-0" ON 22x34



OPT. BEDROOM 4 I.L.O. GAMEROOM
SCALE: 1/8"=1'-0" ON 11x17, 1/4"=1'-0" ON 22x34

REV. #	DESCRIPTION	DATE
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THE SMITHFIELD - LH

Second Floor Options Electrical 'English Country'

DRAWN BY:
South Designs/J.Jones

ISSUE DATE:
7/1/2021

CURRENT REVISION DATE:
03-01-23

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

SHEET
5.2.1c



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License: C-4772
www.southernengineers.com

NEW HOME, INC.

SMITHFIELD
Garage Left

See Page S-1.2.1 For Extended Cafe Option

TRUSS SYSTEM REQUIREMENTS

- NC (2018 NCRG): 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 UPLIFT OR BEARING SHALL MEET THE REQUIREMENTS AS SPECIFIED ON THE TRUSS SCHEMATICS.

WOOD I-JOISTS

- (SHALL BE ONE OF THE FOLLOWING OR EQUAL):
- TJI 210 BY TRUS JOIST
 - LPI 20 PLUS BY LP
 - BCI 5000s 1.8 BY BC

HEAVY WOOD I-JOISTS

- (SHALL BE ONE OF THE FOLLOWING OR EQUAL):
- TJI 360 BY TRUS JOIST
 - LPI 42 PLUS BY LP
 - BCI 600s 2.0 BY BC
- ALL WOOD I-JOISTS SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
 - INSTALL SQUASH BLOCKS, WEB STIFFENERS, ETC. AS 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.

FOUNDATION STRUCTURAL NOTES

- NC (2018 NCRG): Wind: 115-120 mph - CRAWL
- (3) 2x10 SYP#2, SPF#2, OR HEM-FIR#2 GIRDER (TYPICAL, UNO.)
 - CONCRETE BLOCK PIER SIZE SHALL BE:

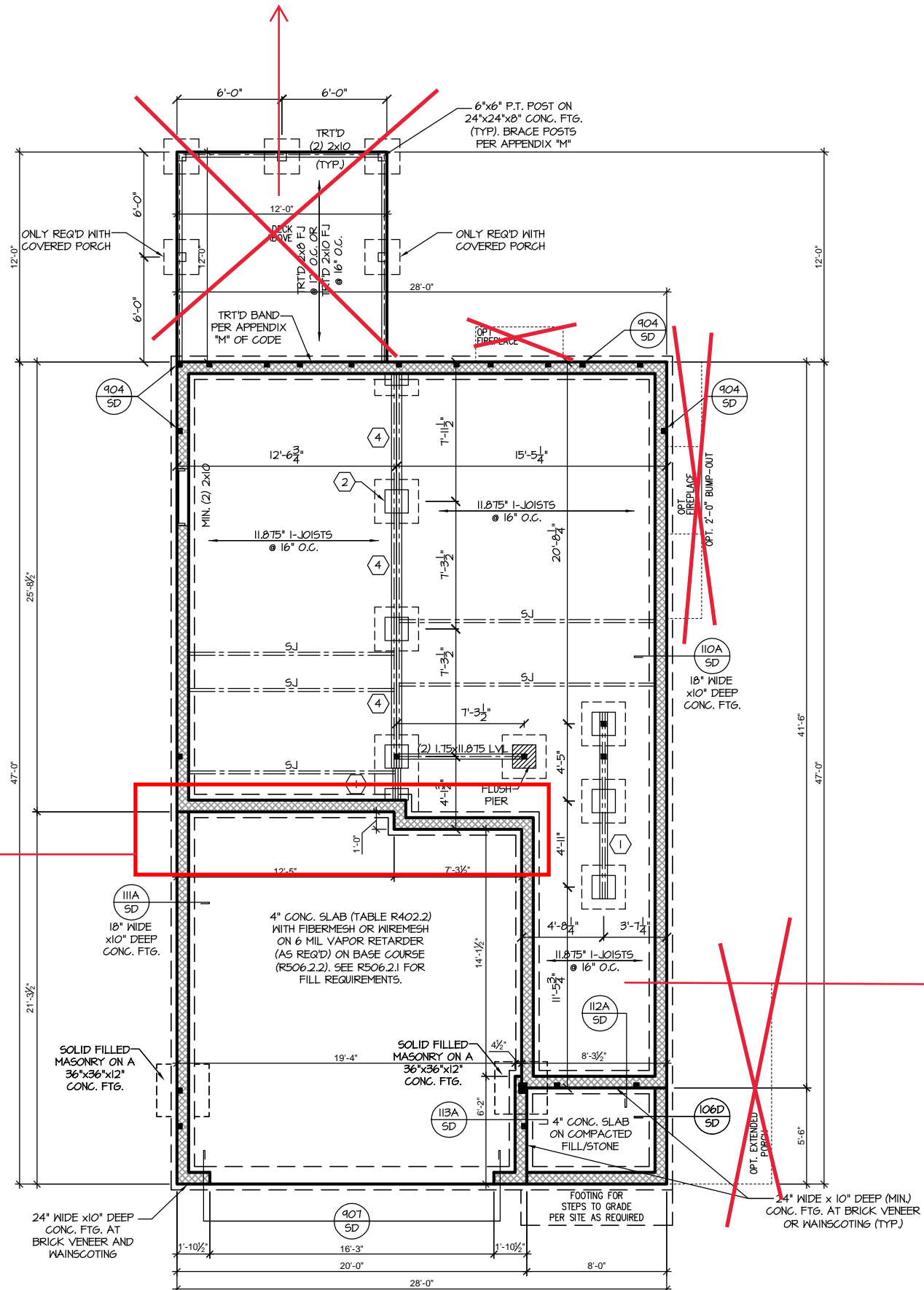
SIZE	HOLLOW	SOLID
8x16	UP TO 32"	UP TO 5'-0"
12x16	UP TO 48"	UP TO 9'-0"
16x16	UP TO 64"	UP TO 12'-0"
24x24	UP TO 96"	

 WITH 30" x 30" x 10" CONCRETE FOOTING, UNO.
 - WALL FOOTING AS FOLLOWS

DEPTH:	8" - UP TO 2 STORY
	10" - 3 STORY

WIDTH:	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 R404.11 (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 SPF #2 OR SYP #2 GIRDER
 - (2) 1.75x4.25 LVL OR LSL GIRDER
 - (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 END, TYPICAL.
 - ABBREVIATIONS:
 - "S.J." = SINGLE JOIST
 - "D.J." = DOUBLE JOIST
 - "T.J." = TRIPLE JOIST
 - ADJUST SUBFLOOR THICKNESS OR JOIST SPACING AS REG'D FOR FLOOR FINISH MATERIALS.



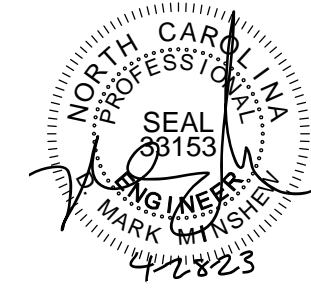
Rear Wall of Garage Changes w/ Opt Kitchen w/ Messy Kitchen Option. See Page S-1.2.1

Smart Door Delivery

CRAWL FOUNDATION PLAN 'ENGLISH COUNTRY'

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

Roof Truss Version



PROJECT #
21-3366-LH

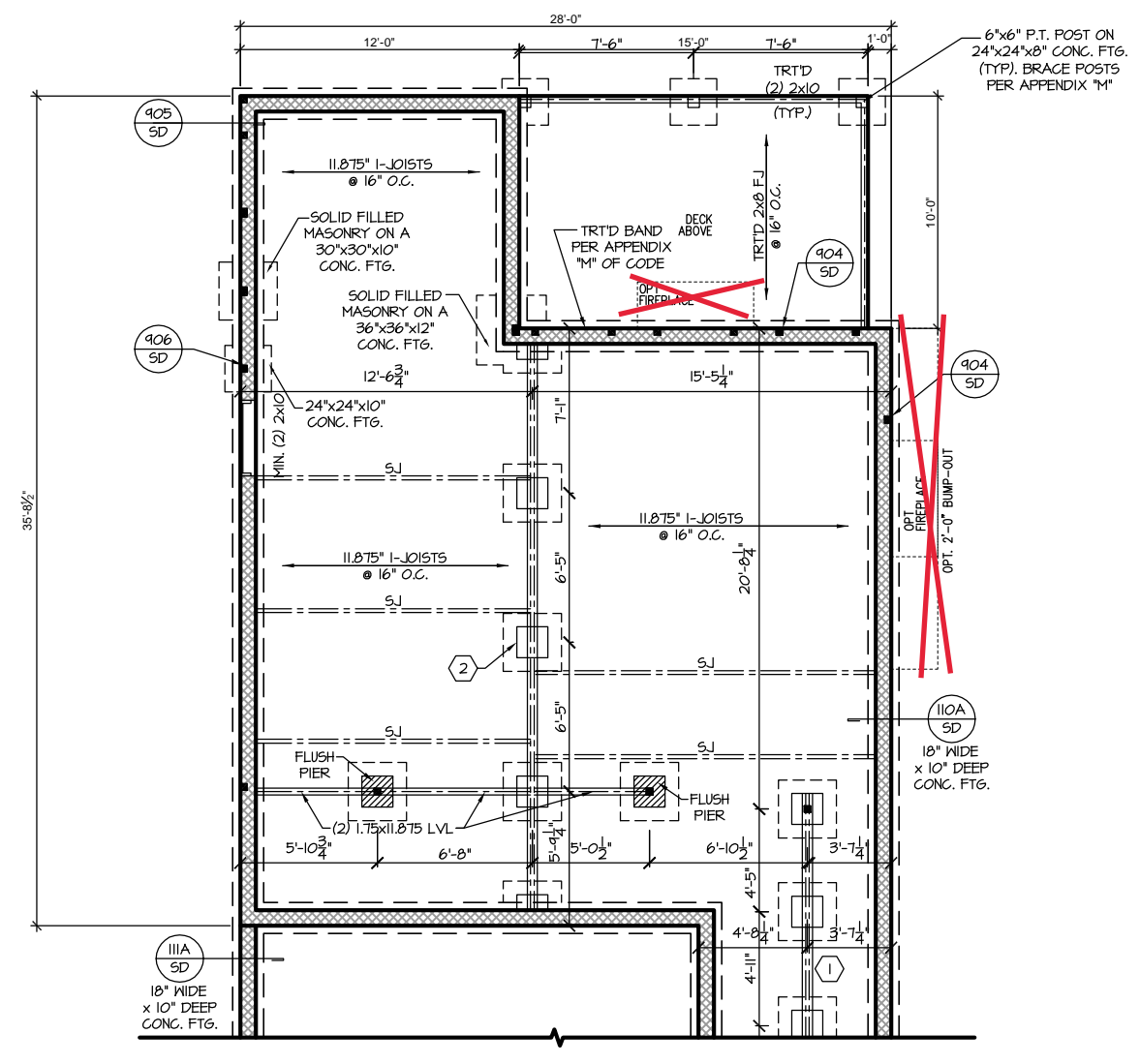
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NEW HOME, INC.

SMITHFIELD
Garage Left

S-1.2.1



CRAWL FND. W/ OPT. EXTENDED CAFE
SCALE: 1/8"=1'-0" ON 11x17, 1/4"=1'-0" ON 22x34

Roof Truss Version



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NEW HOME, INC.

SMITHFIELD
Garage Left

See Page S-2.1.1 for Extended Cafe

TRUSS SYSTEM REQUIREMENTS

NC (2018 NGR): 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 SFF #2 OR #3 PLATES OR LEDGERS (UNO).
- ALL REQUIRED ANCHORS FOR TRUSSES DUE TO UPLIFT 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.
- 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 "1" 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 NOTES

NC (2018 NGR): 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: 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 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.
 - **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 7" 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.
- INTERIOR BRACED WALL-WOOD STRUCTURAL PANEL: (NOTED AS "IBW-WSP" ON PLANS). ATTACH ONE SIDE WITH 7/8" 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 @ 1" O.C. ALONG THE EDGES AND AT INTERMEDIATE SUPPORTS.

WOOD I-JOISTS

(SHALL BE ONE OF THE FOLLOWING OR EQUAL):

- TJI 210 BY TRUS JOIST
- LPI 20 PLUS BY LP
- BCI 5000s 1.8 BY BC

HEAVY WOOD I-JOISTS

(SHALL BE ONE OF THE FOLLOWING OR EQUAL):

- TJI 360 BY TRUS JOIST
- LPI 42 PLUS BY LP
- BCI 60s 2.0 BY BC

- ALL WOOD I-JOISTS SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
- INSTALL SQUASH BLOCKS, WEB STIFFENERS, ETC. AS 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.

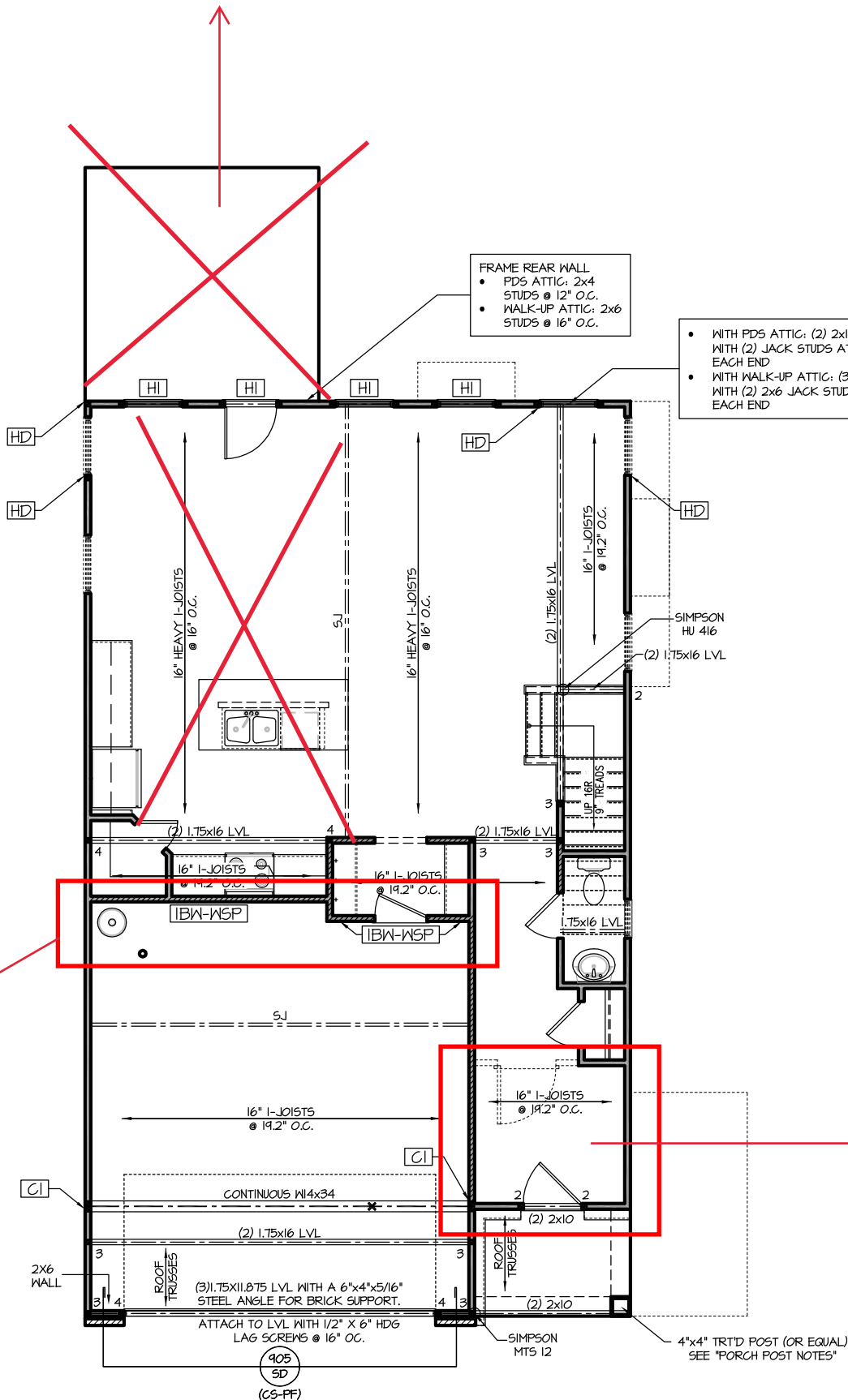
PORCH POST NOTES:

- 4"x4" (6"x6") TRTD POST (OR EQUAL).
 - ATTACH TRUSSES (RAFTERS) AT PORCH WITH HURRICANE CONNECTORS.
 - POST CAP: SIMPSON AC4-MAX (AC6-MAX)
 - POST CAP AT CORNER: (2) SIMPSON LCE4 (MITER HEADER AT CORNER). HIGH WIND; ADD (1) SIMPSON H6.
 - POST BASE: SIMPSON ABU44 (ABU66).
 - MONO: 3/8" ANCHOR (EMBED 1")
 - CMU: 3/8" ANCHOR (EXTEND TO FOOTING - HIGH WIND ONLY)
 - 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.

HI	<ul style="list-style-type: none"> WITH PDS ATTIC: (2) 2x12 WITH (2) JACK STUDS AT EACH END WITH WALK-UP ATTIC: (3) 2x10 WITH (2) 2x6 JACK STUDS AT EACH END
CI	<ul style="list-style-type: none"> 3.5"x7" PSL/LVL COLUMN. INSTALL A 2x4 STUD ON EACH SIDE OF COLUMN AND ATTACH WITH (2) ROWS OF 12d NAILS @ 6" O.C.

Rear Wall of Garage Changes w/ Opt Kitchen w/ Messy Kitchen Option. See Page S-2.1.1

Smart Door Delivery



FIRST FLOOR PLAN 'ENGLISH COUNTRY'

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

Roof Truss Version

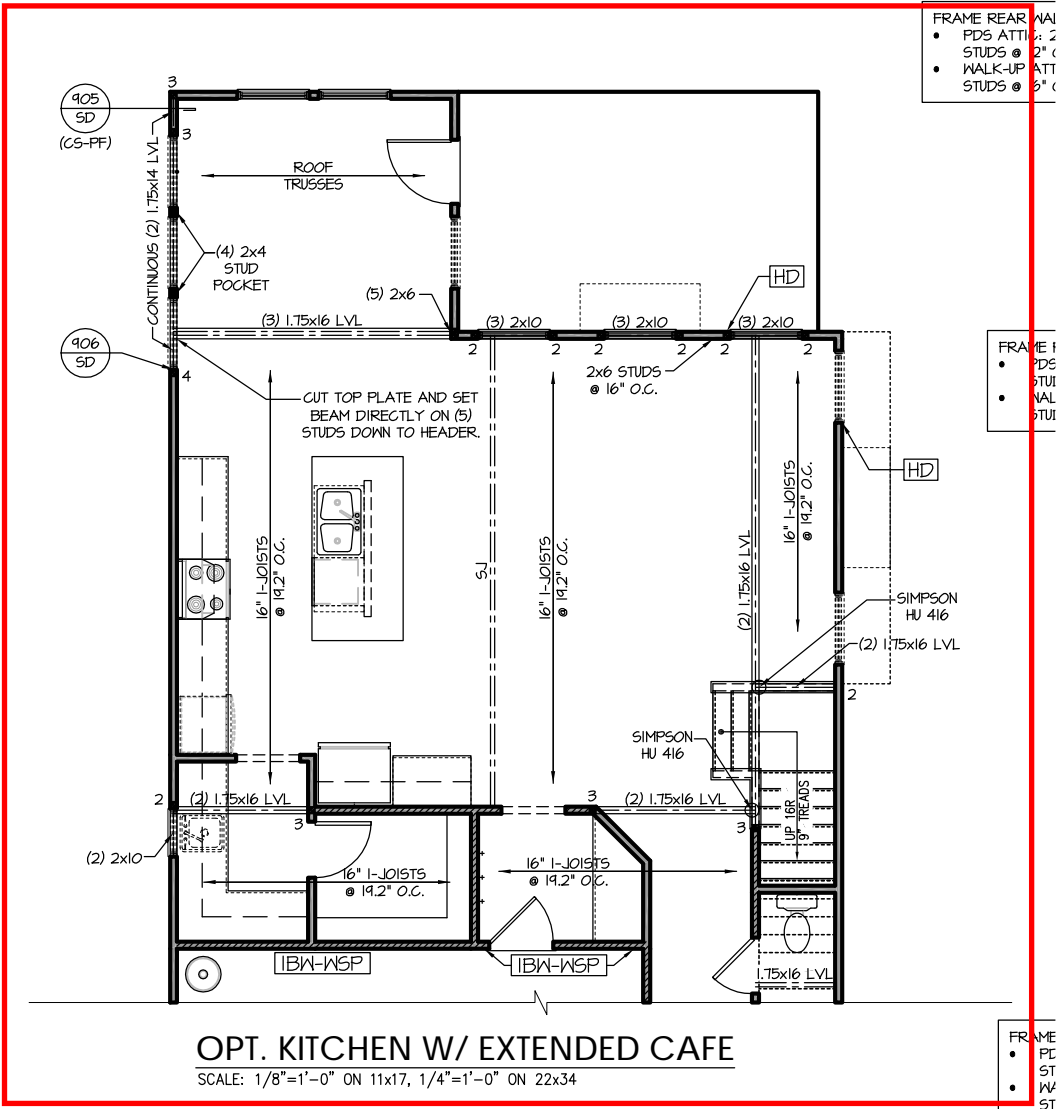


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NEW HOME, INC.

SMITHFIELD
Garage Left



FRAME REAR WALL
• PDS ATTIC: (2) 2x12 WITH (2) JACK STUDS AT EACH END
• STUDS @ 2' O.C.
• WALK-UP ATTIC: (3) 2x10 WITH (2) 2x6 JACK STUDS AT EACH END

FRAME FRONT WALL
• PDS ATTIC: (2) 2x12 WITH (2) JACK STUDS AT EACH END
• STUDS @ 2' O.C.
• WALK-UP ATTIC: (3) 2x10 WITH (2) 2x6 JACK STUDS AT EACH END

FRONT WALL
• PDS ATTIC: (2) 2x12 WITH (2) JACK STUDS AT EACH END
• STUDS @ 2' O.C.
• WALK-UP ATTIC: (3) 2x10 WITH (2) 2x6 JACK STUDS AT EACH END

OPT. KITCHEN W/ EXTENDED CAFE

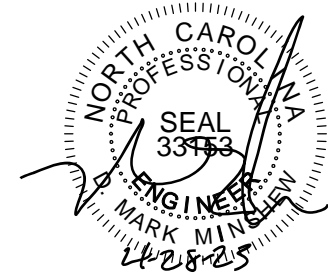
SCALE: 1/8"=1'-0" ON 11x17, 1/4"=1'-0" ON 22x34

[HI]

- WITH PDS ATTIC: (2) 2x12 WITH (2) JACK STUDS AT EACH END
- WITH WALK-UP ATTIC: (3) 2x10 WITH (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 12d NAILS @ 6" O.C.



TRUSS SYSTEM REQUIREMENTS

NC (2018 NGRG): 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 SFF #2 OR #3 PLATES OR LEDGERS (UNO).
- ALL REQUIRED ANCHORS FOR TRUSSES DUE TO UPLIFT 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.
- 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 "4" 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

FRAMING NOTES

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

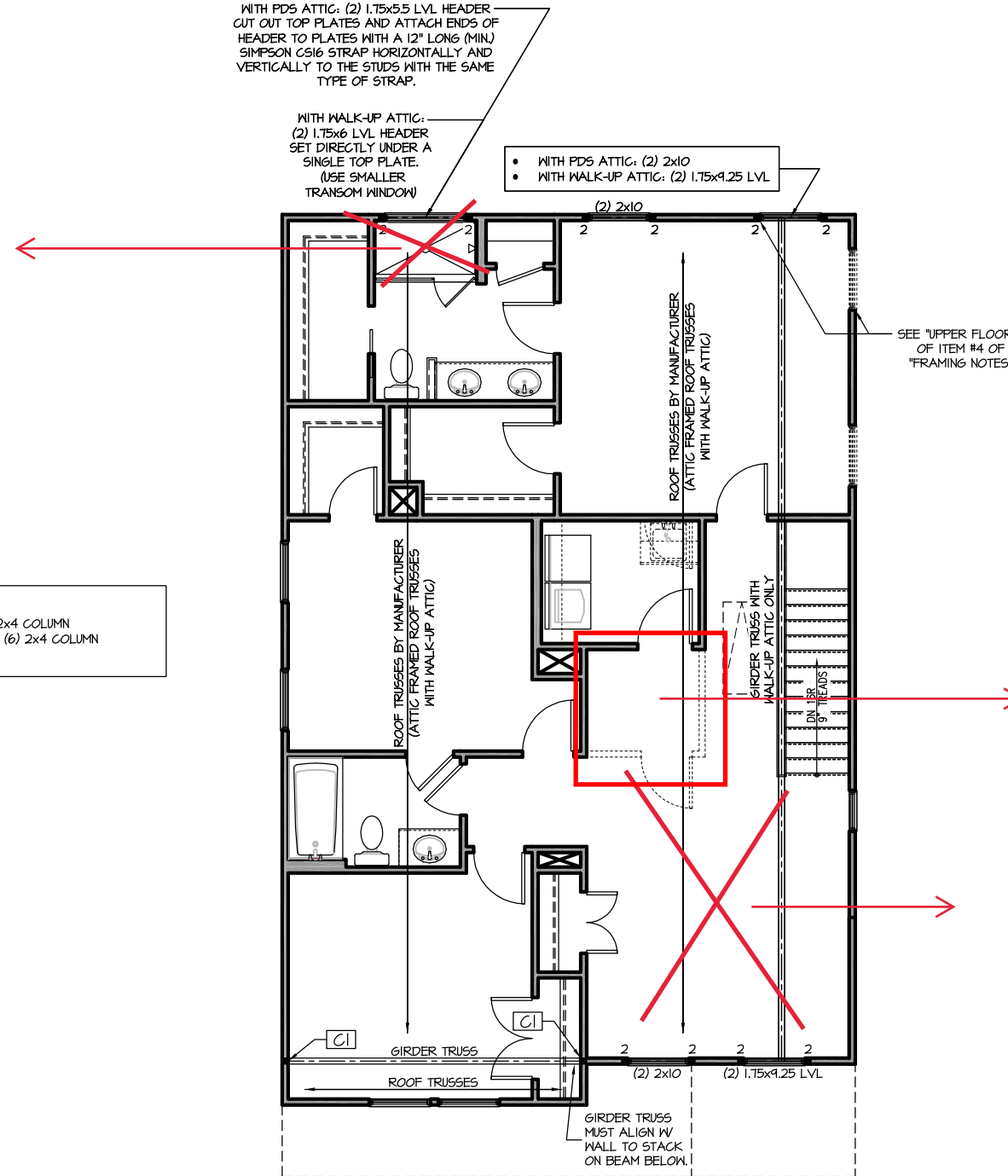
- BRACING METHOD AND TYPE: CONTINUOUSLY SHEATHED WSP, CS-WSP. NOTE THAT THE WALL BRACING AMOUNT PROVIDED ON THE PLANS (DETAILS AND SPECIFICATIONS) IS GREATER THAN THE AMOUNT OF WALL BRACING REQUIRED BY SECTION R602.10 OF THE CODE. SEE NOTES BELOW FOR DETAILS AND SPECIFICATIONS FOR WALL BRACING AND WALL 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.
 - **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 7" 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.
- INTERIOR BRACED WALL-WOOD STRUCTURAL PANEL: (NOTED AS "IBW-WSP" ON PLANS). ATTACH ONE SIDE WITH 1/8" 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 @ 1" O.C. ALONG THE EDGES AND AT INTERMEDIATE SUPPORTS.

C1	<ul style="list-style-type: none"> WITH PDS ATTIC: (5) 2x4 COLUMN WITH WALK-UP ATTIC: (6) 2x4 COLUMN
----	--

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) SIMPSON CS16 STRAP HORIZONTALLY AND VERTICALLY TO THE STUDS WITH THE SAME TYPE OF STRAP.

WITH WALK-UP ATTIC: (2) 1.75x6 LVL HEADER SET DIRECTLY UNDER A SINGLE TOP PLATE. (USE SMALLER TRANSOM WINDOW)

- WITH PDS ATTIC: (2) 2x10
- WITH WALK-UP ATTIC: (2) 1.75x9.25 LVL



SECOND FLOOR PLAN 'ENGLISH COUNTRY'

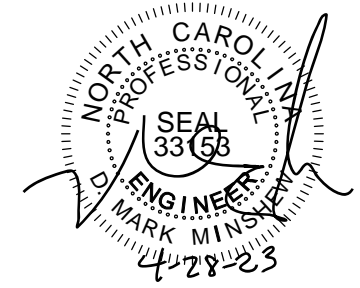
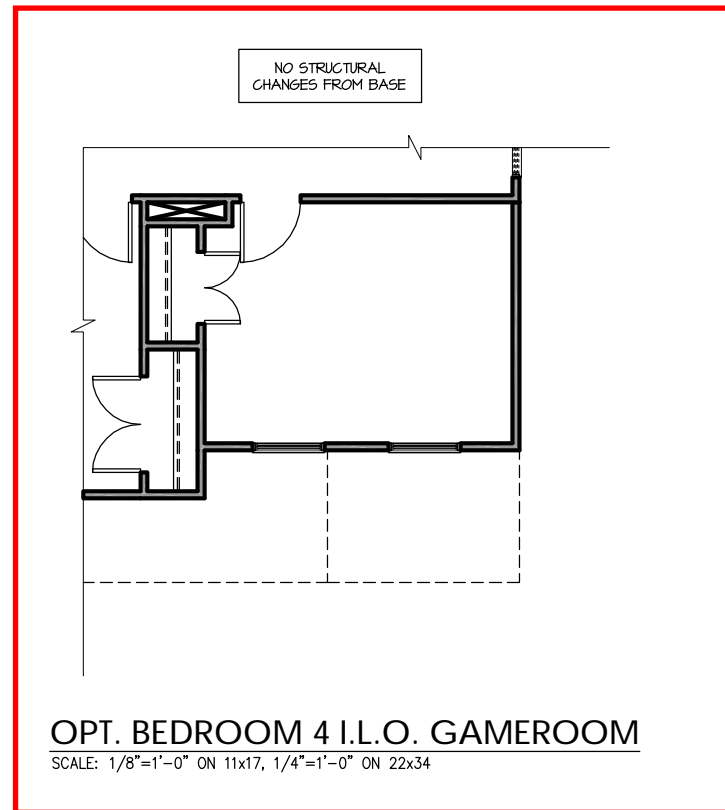
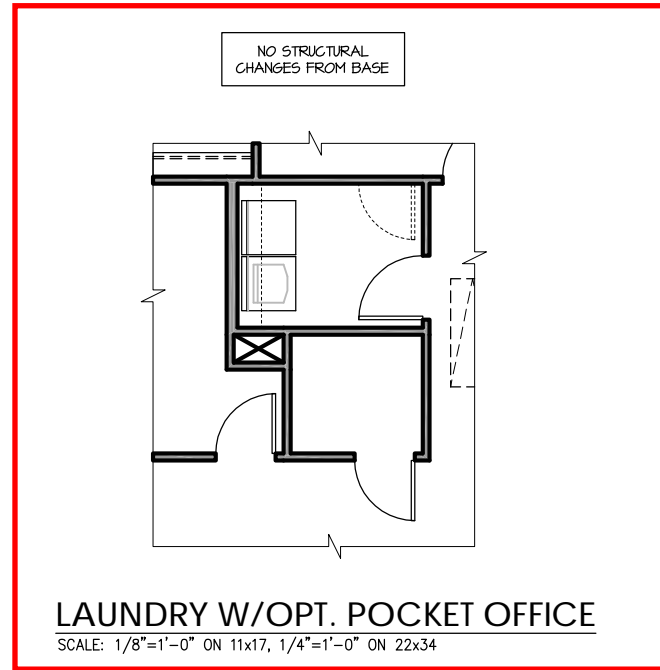
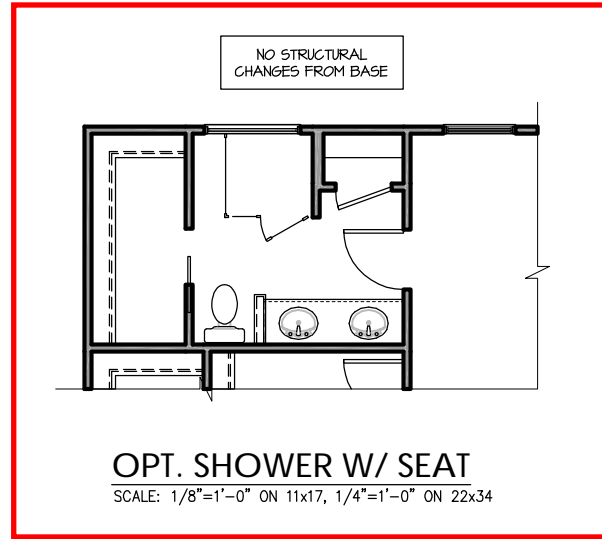
SCALE: 1/8"=1'-0" ON 11x17, 1/4"=1'-0" ON 22x34

Engineers seal applies only to structural components on this document.
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NEW HOME, INC.

SMITHFIELD
Garage Left



**PROJECT #
21-3366-LH**

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Roof Truss Version

S-2.2.1

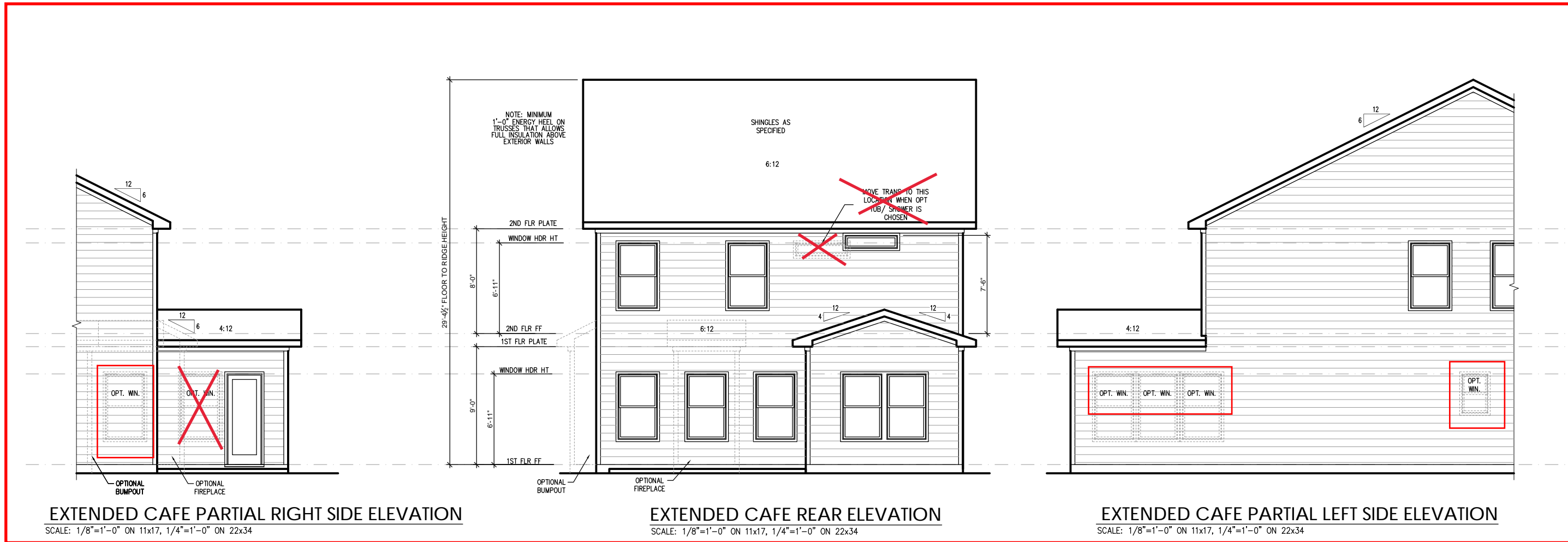
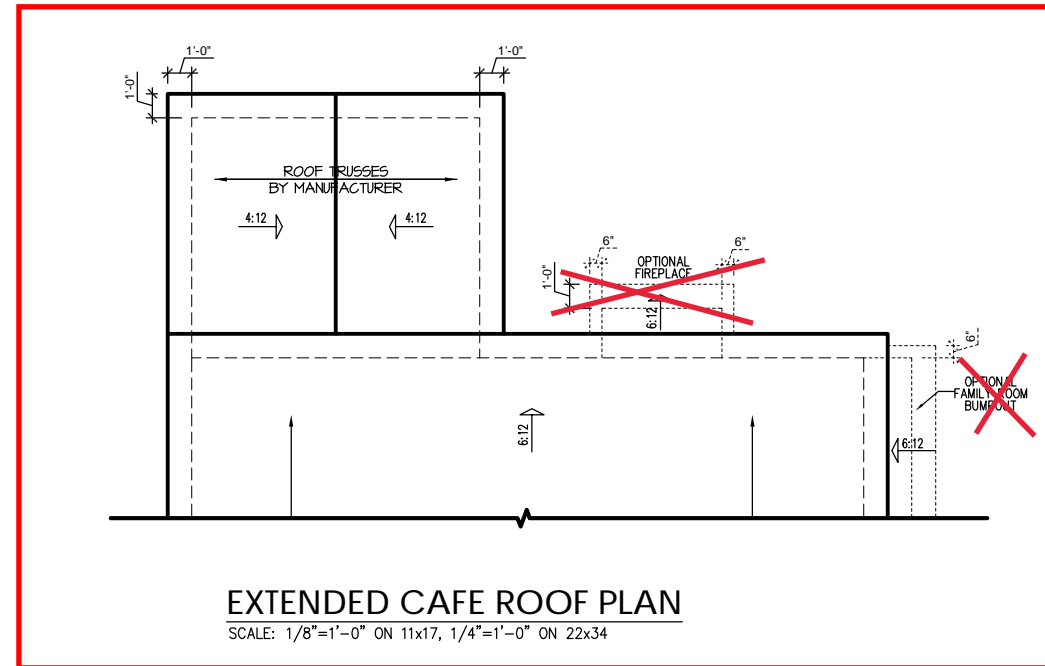


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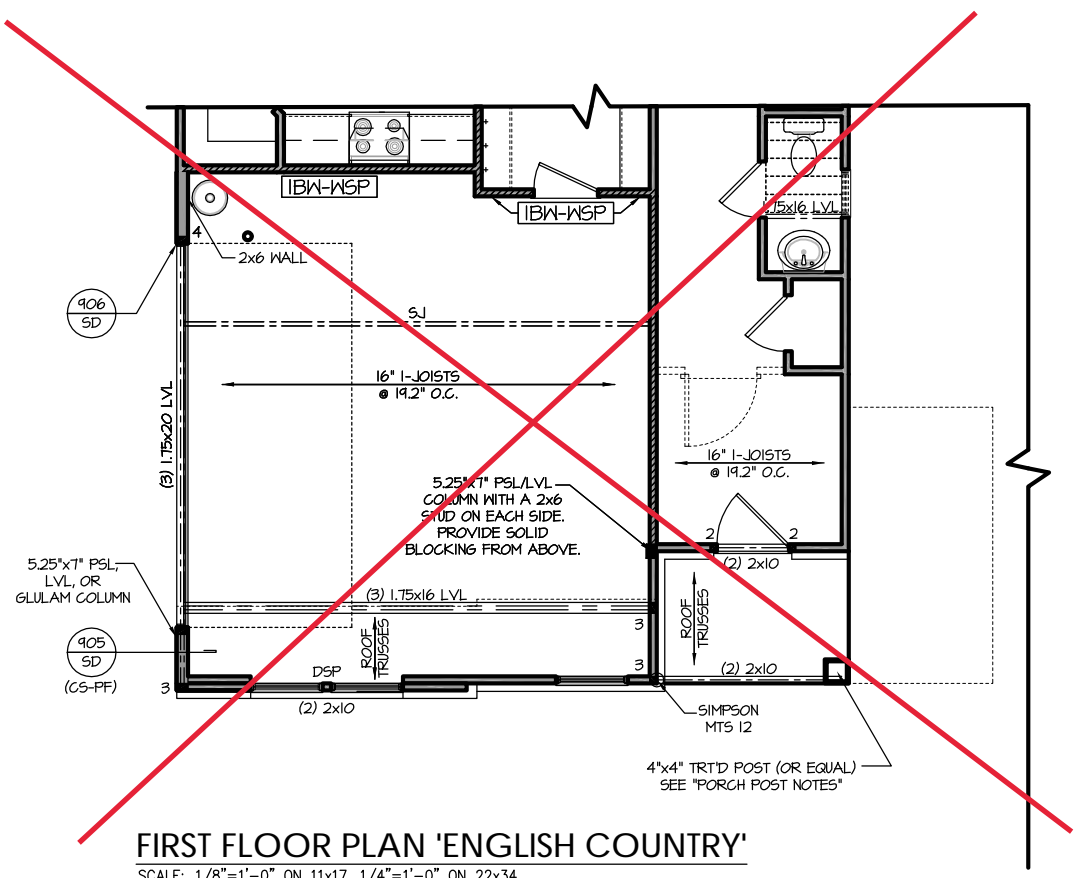


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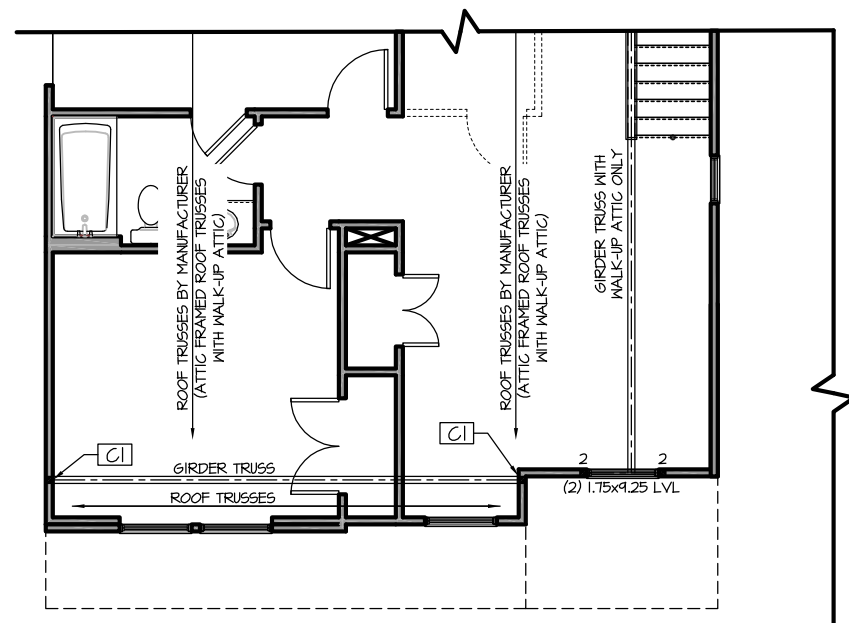
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FIRST FLOOR PLAN 'ENGLISH COUNTRY'
SCALE: 1/8"=1'-0" ON 11x17, 1/4"=1'-0" ON 22x34

- | | |
|----|--|
| CI | <ul style="list-style-type: none"> WITH PDS ATTIC: (6) 2x4 COLUMN. ATTACH EACH STUD WITH (2) 12d NAILS @ 6" O.C. WITH WALK-UP ATTIC: 3.5"x1" PSL/LVL COLUMN. INSTALL A 2x4 STUD ON EACH SIDE OF COLUMN AND ATTACH WITH (2) ROWS OF 12d NAILS @ 6" O.C. |
|----|--|



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

TRUSS SYSTEM REQUIREMENTS

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

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4. ALL REQUIRED ANCHORS FOR TRUSSES DUE TO UPLIFT OR BEARING SHALL MEET THE REQUIREMENTS AS SPECIFIED ON THE TRUSS SCHEMATICS.

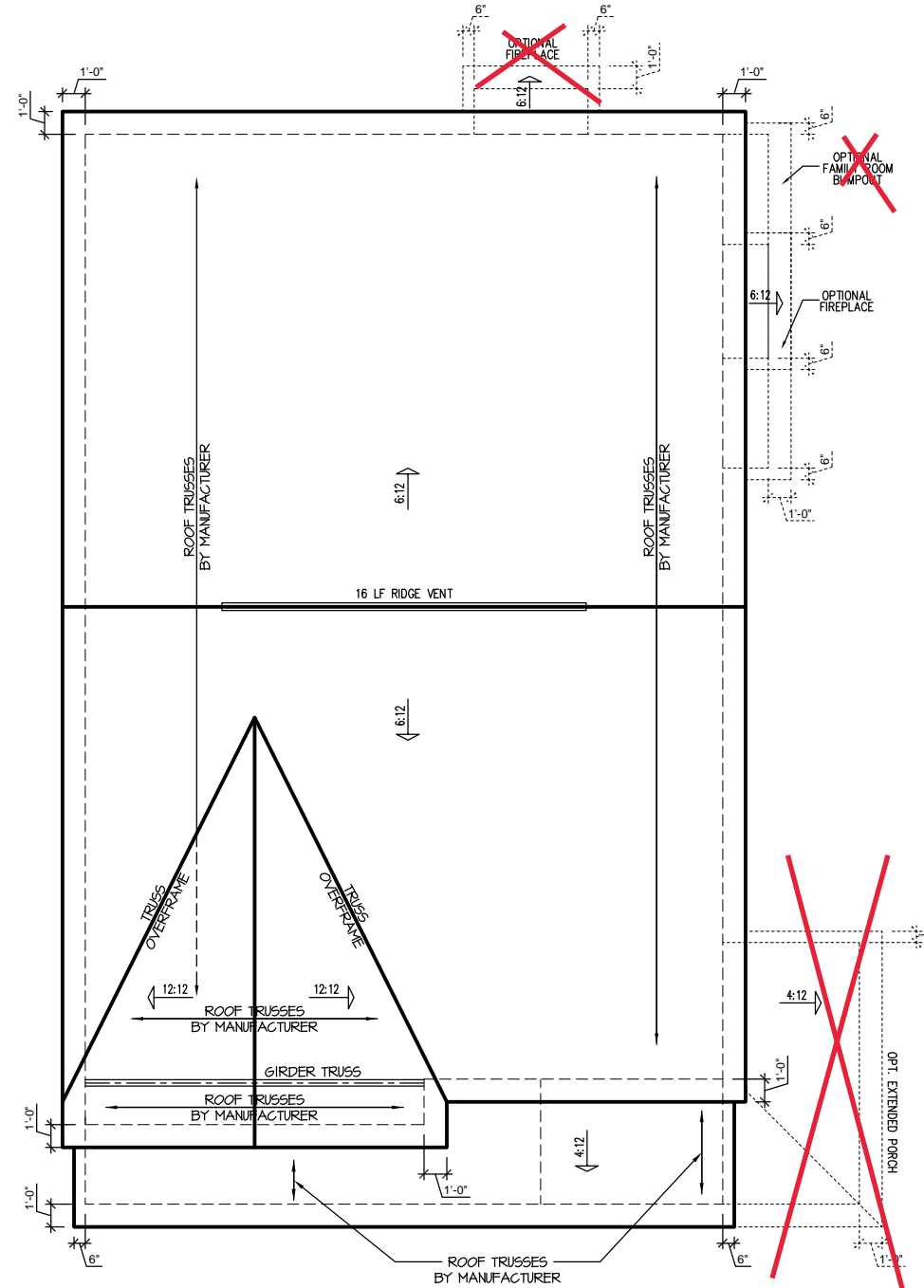
ROOF FRAMING NOTES:

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

1. 2x8 RAFTERS @ 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 1.75x11.875 LVL VALLEY. DO NOT SPLICE VALLEYS
 4. 1.75x11.875 LVL OR (2) 1.75x11.875 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.

ATTIC VENT SCHEDULE								
"ENGLISH COUNTRY" ELEVATION								
MAIN HOUSE		SQ FTG	1192	AT / NEAR RIDGE			AT / NEAR EAVE	
VENT TYPE	SQ. FT. REQUIRED RANGE	SQ. FT. SUPPLIED	PERCENT OF TOTAL SUPPLIED	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)
				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 REQUIRED IF THERE IS INSUFFICIENT RIDGE AVAILABLE			

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



"ENGLISH COUNTRY" ROOF PLAN

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

Roof Truss Version

PROJECT #
21-3366-LH

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S-3.1

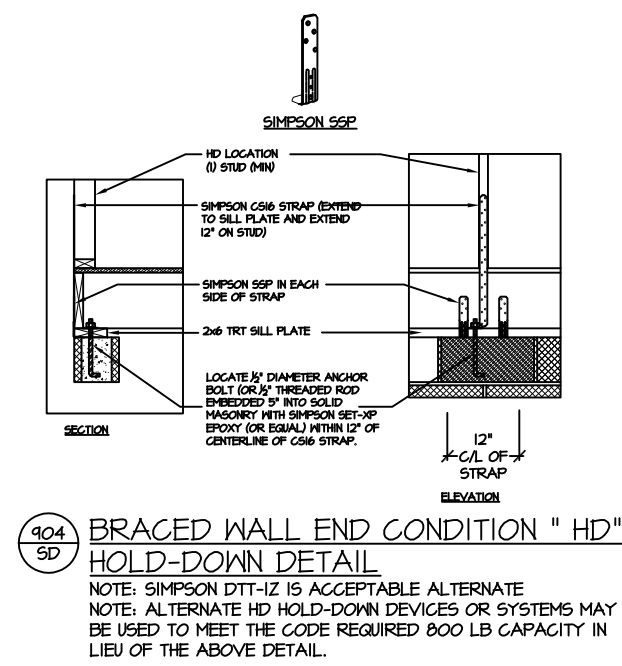
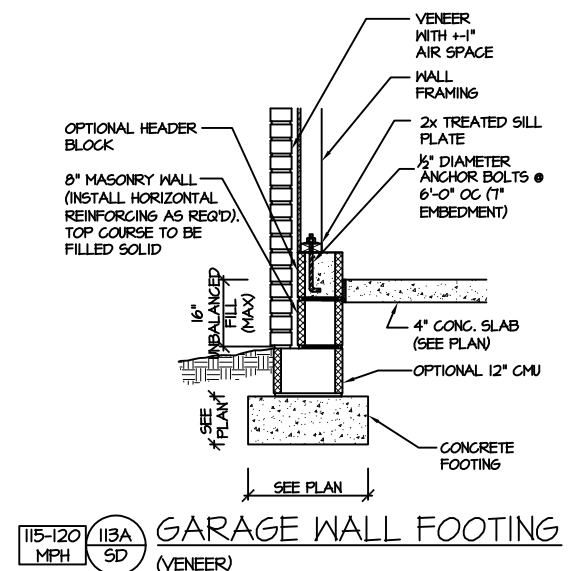
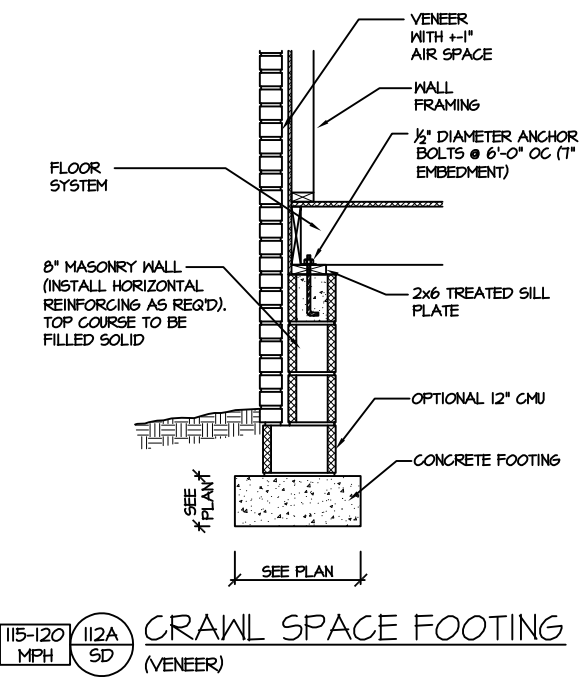
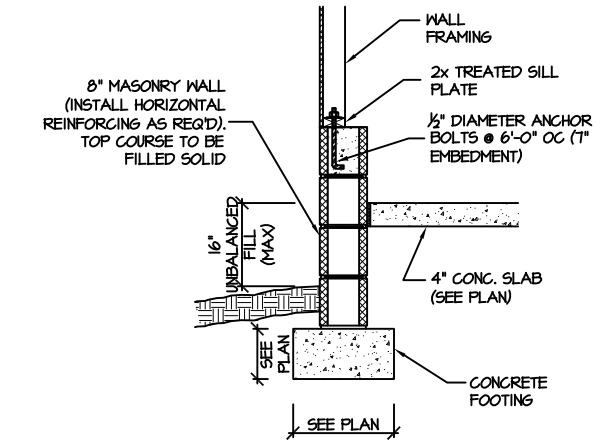
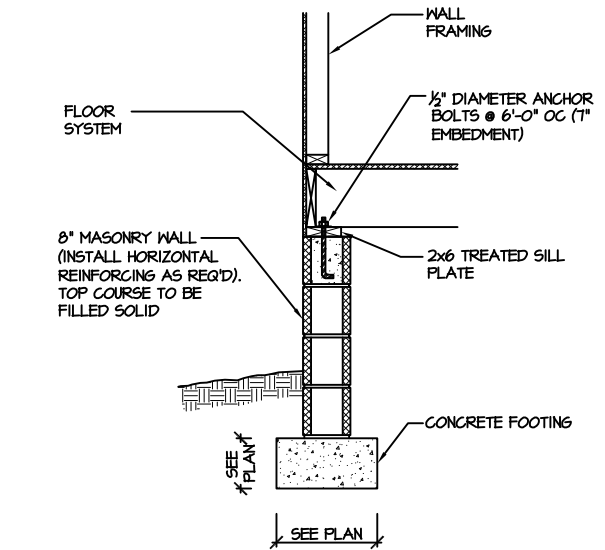
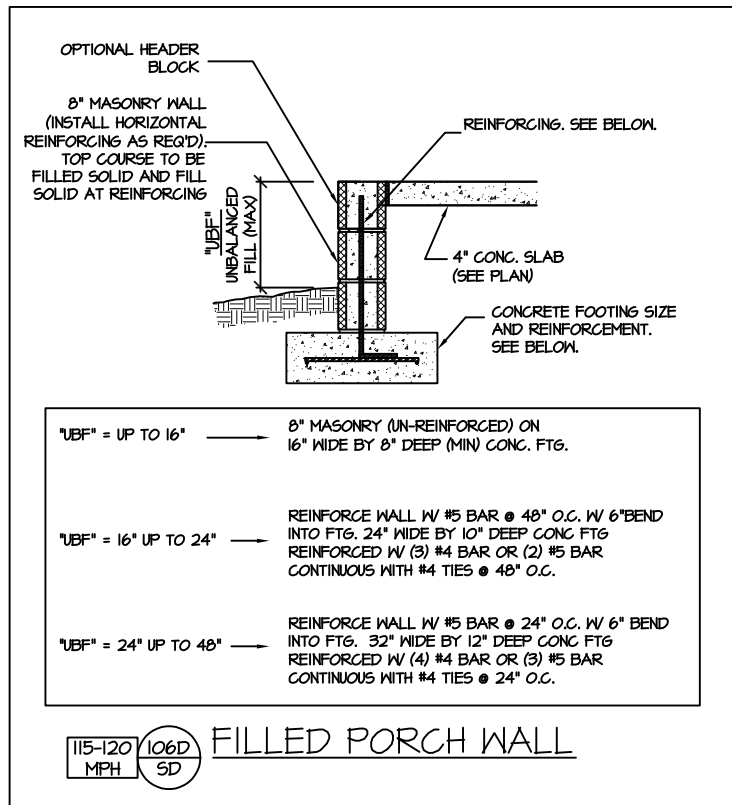
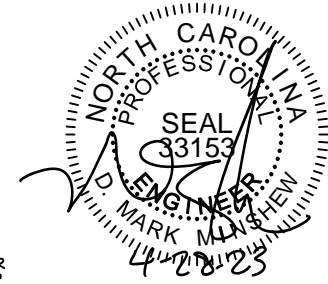
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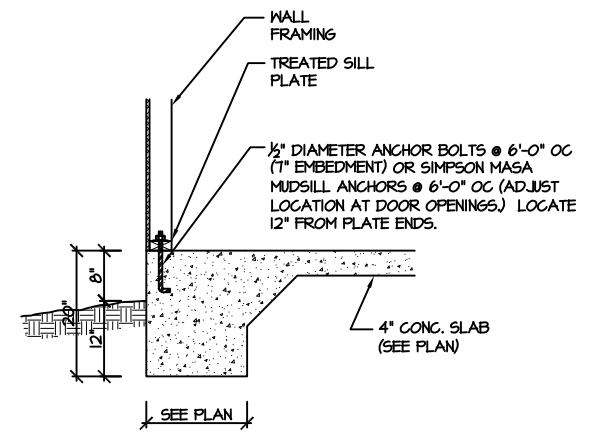
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SMITHFIELD PLAN

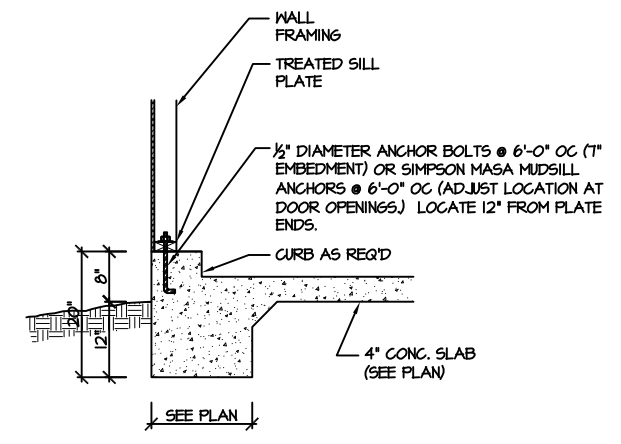
SD



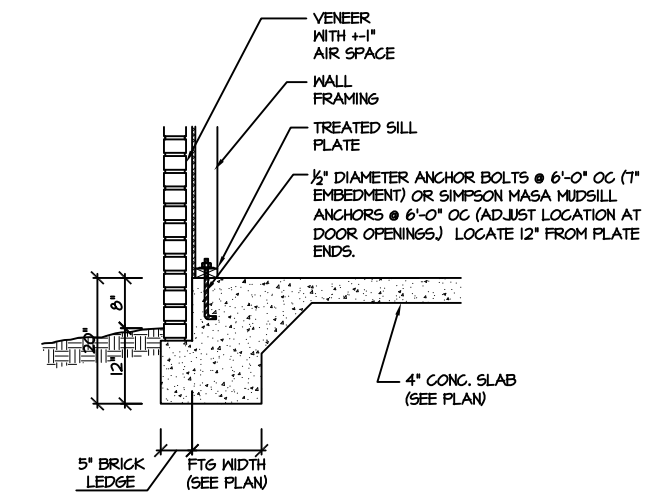
CRAWL SPACE FOUNDATION



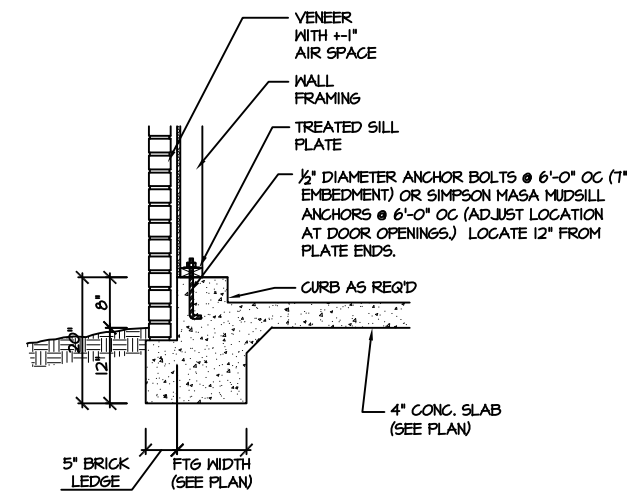
115-120 MPH 100A SD MONOLITHIC SLAB FOOTING (SIDING OR EQUAL)



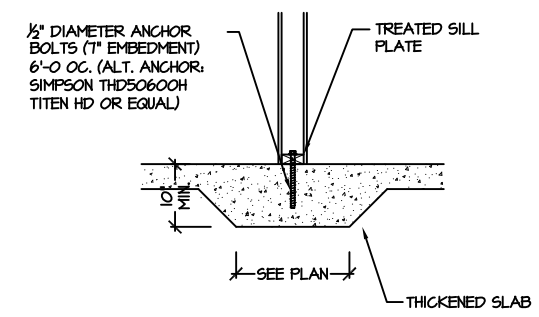
115-120 MPH 101A SD MONOLITHIC SLAB @ GARAGE (SIDING OR EQUAL)



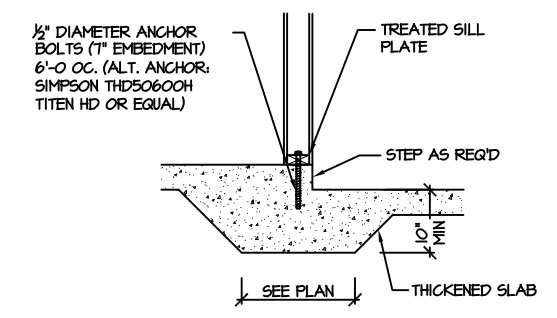
115-120 MPH 102A SD MONOLITHIC SLAB FOOTING (VENEER)



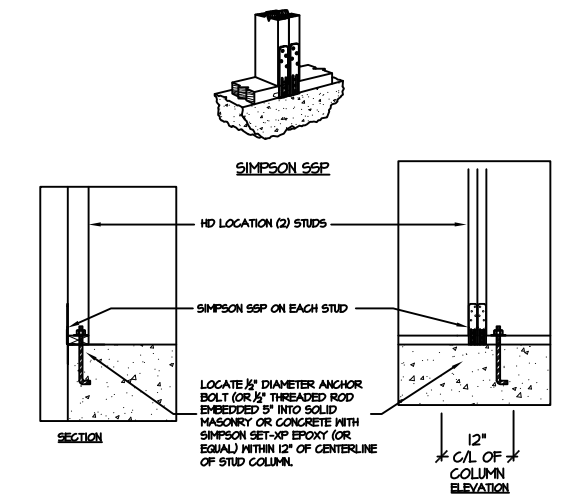
115-120 MPH 103A SD MONOLITHIC SLAB @ GARAGE (VENEER)



115-120 MPH 104A SD THICKENED SLAB (INTERIOR BEARING WALL)



115-120 MPH 105A SD THICKENED SLAB @ GARAGE (INTERIOR GARAGE WALL)



903 SD BRACED WALL END CONDITION "HD" HOLD-DOWN DETAIL
NOTE: SIMPSON DTT-1Z IS ACCEPTABLE ALTERNATE
NOTE: ALTERNATE HD HOLD-DOWN DEVICES OR SYSTEMS MAY BE USED TO MEET THE CODE REQUIRED 800 LB CAPACITY IN LIEU OF THE ABOVE DETAIL.

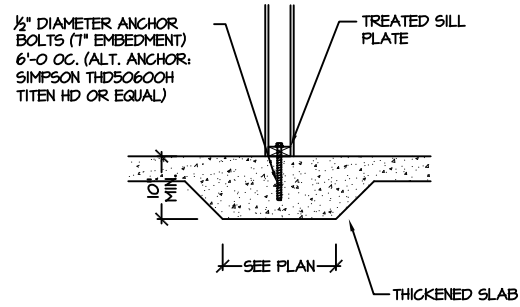
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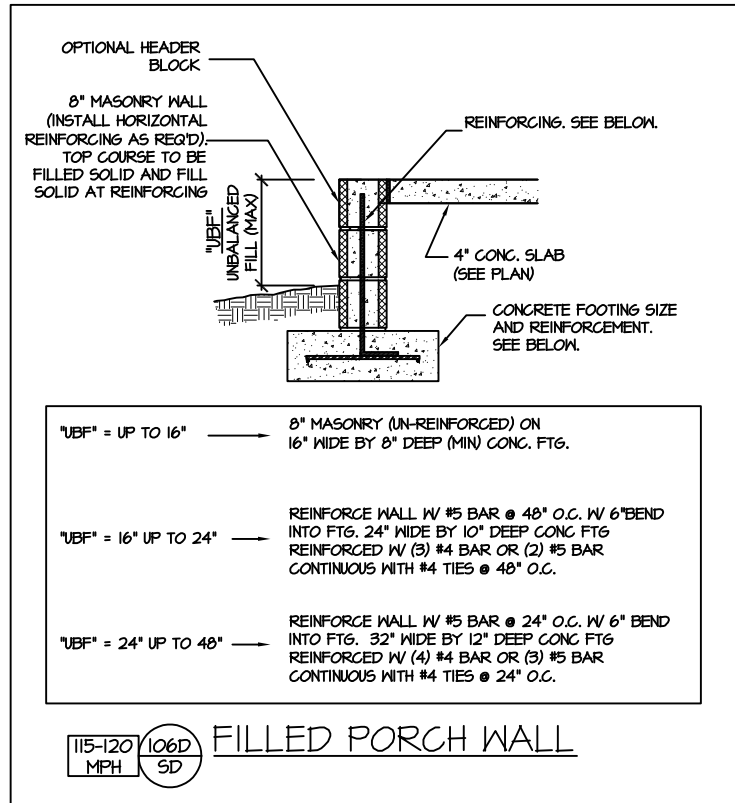
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SMITHFIELD PLAN

SD

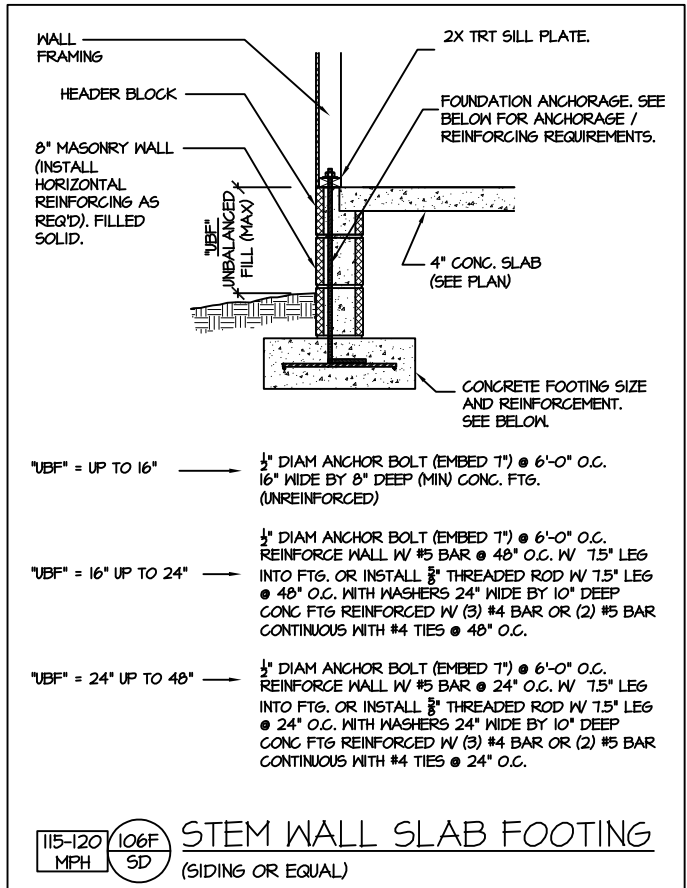


115-120 MPH 104A SD THICKENED SLAB (INTERIOR BEARING WALL)



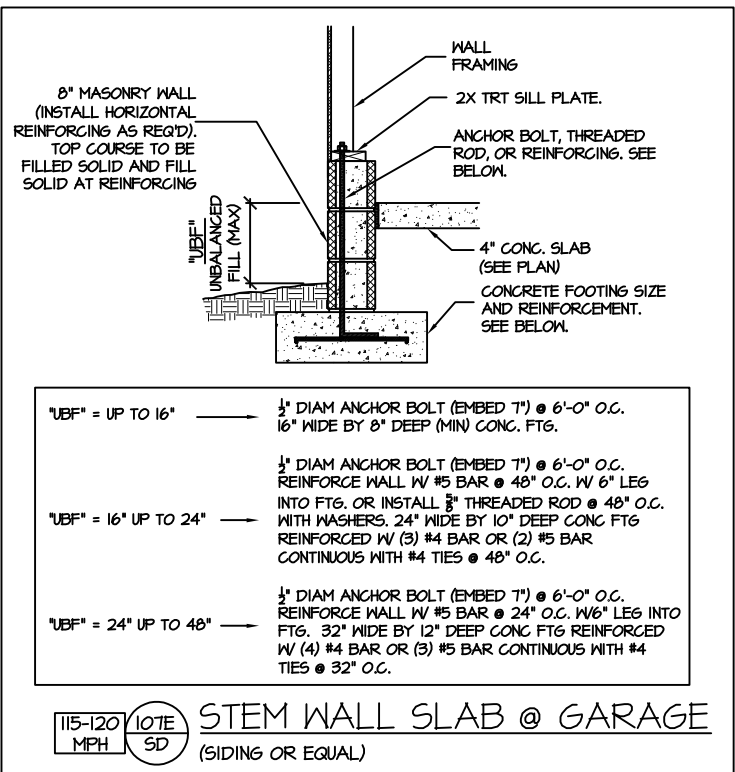
- "UBF" = UP TO 16" → 8" MASONRY (UN-REINFORCED) ON 16" WIDE BY 8" DEEP (MIN) CONG. FTG.
- "UBF" = 16" UP TO 24" → REINFORCE WALL W/ #5 BAR @ 48" O.C. W/ 6" BEND INTO FTG. 24" WIDE BY 10" DEEP CONG FTG REINFORCED W/ (3) #4 BAR OR (2) #5 BAR CONTINUOUS WITH #4 TIES @ 48" O.C.
- "UBF" = 24" UP TO 48" → REINFORCE WALL W/ #5 BAR @ 24" O.C. W/ 6" BEND INTO FTG. 32" WIDE BY 12" DEEP CONG FTG REINFORCED W/ (4) #4 BAR OR (3) #5 BAR CONTINUOUS WITH #4 TIES @ 24" O.C.

115-120 MPH 106D SD FILLED PORCH WALL



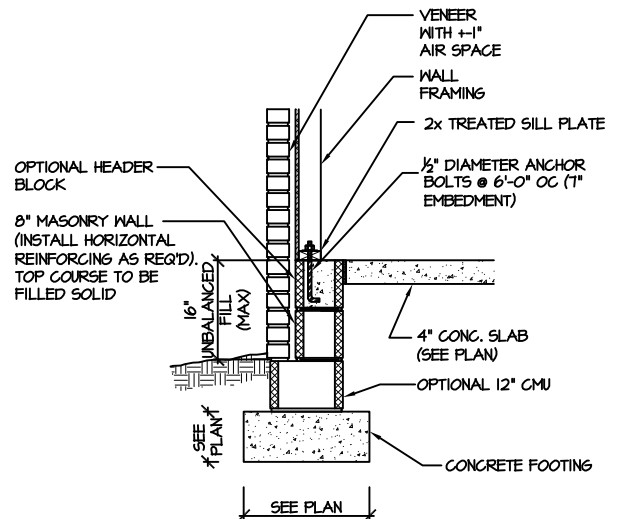
- "UBF" = UP TO 16" → 1/2" DIAM ANCHOR BOLT (EMBED 7") @ 6'-0" O.C. 16" WIDE BY 8" DEEP (MIN) CONG. FTG. (UNREINFORCED)
- "UBF" = 16" UP TO 24" → 1/2" DIAM ANCHOR BOLT (EMBED 7") @ 6'-0" O.C. REINFORCE WALL W/ #5 BAR @ 48" O.C. W/ 7.5" LEG INTO FTG. OR INSTALL 3/8" THREADED ROD W/ 7.5" LEG @ 48" O.C. WITH WASHERS 24" WIDE BY 10" DEEP CONG FTG REINFORCED W/ (3) #4 BAR OR (2) #5 BAR CONTINUOUS WITH #4 TIES @ 48" O.C.
- "UBF" = 24" UP TO 48" → 1/2" DIAM ANCHOR BOLT (EMBED 7") @ 6'-0" O.C. REINFORCE WALL W/ #5 BAR @ 24" O.C. W/ 7.5" LEG INTO FTG. OR INSTALL 3/8" THREADED ROD W/ 7.5" LEG @ 24" O.C. WITH WASHERS 24" WIDE BY 10" DEEP CONG FTG REINFORCED W/ (3) #4 BAR OR (2) #5 BAR CONTINUOUS WITH #4 TIES @ 24" O.C.

115-120 MPH 106F SD STEM WALL SLAB FOOTING (SIDING OR EQUAL)

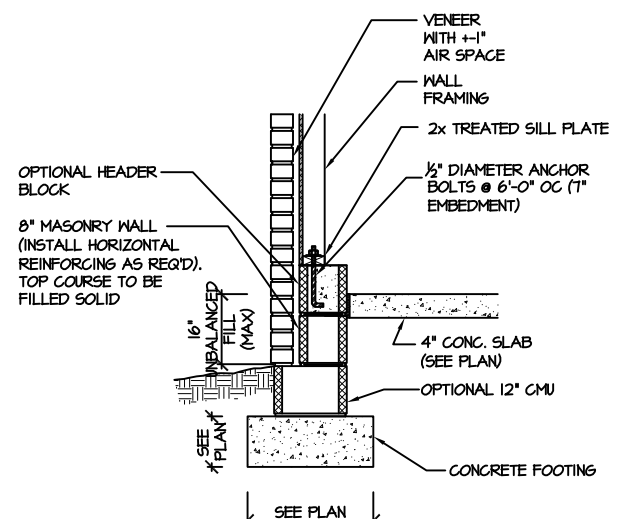


- "UBF" = UP TO 16" → 1/2" DIAM ANCHOR BOLT (EMBED 7") @ 6'-0" O.C. 16" WIDE BY 8" DEEP (MIN) CONG. FTG.
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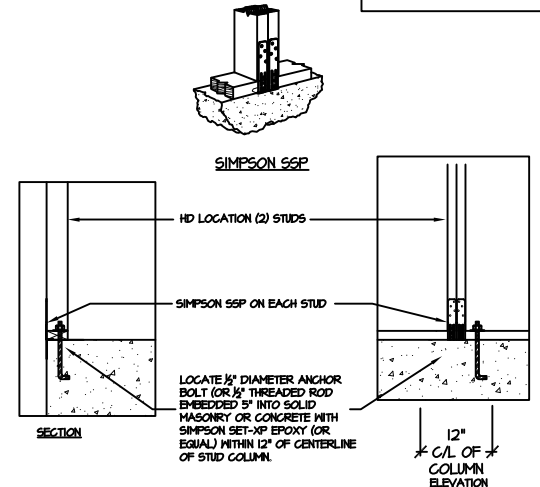
115-120 MPH 107E SD STEM WALL SLAB @ GARAGE (SIDING OR EQUAL)



115-120 MPH 108A SD STEM WALL SLAB FOOTING (VENEER) SEE "107E/SD" FOR GREATER THAN 16" UNBALANCED FILL.



115-120 MPH 109A SD STEM WALL SLAB @ GARAGE (VENEER) SEE "107E/SD" FOR GREATER THAN 16" UNBALANCED FILL.



903 SD BRACED WALL END CONDITION "HD" HOLD-DOWN DETAIL NOTE: SIMPSON DTT-1Z IS ACCEPTABLE ALTERNATE NOTE: ALTERNATE HD HOLD-DOWN DEVICES OR SYSTEMS MAY BE USED TO MEET THE CODE REQUIRED 800 LB CAPACITY IN LIEU OF THE ABOVE DETAIL.

STEM WALL SLAB FOUNDATION



PROJECT # 21-3366

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 Engineer's liability. Seal is valid for projects permitted one year from date of seal. Use of these plans constitutes approval of terms & conditions as defined in the customer agreement.

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

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