

PLAN 3 The Cary - LH 'TRADITIONAL'

Lot 171 Duncan's Creek

80 Duncan's Creek Road
Lillington, NC 27546



REVISION LOG

- REVISION:001 DATE: 2/4/2022
1. CHANGED OPT. EXTENDED CAFE TO STANDARD
 2. ADDED 24" CHASE TO EXTENDED CAFE
 3. ADDED BEAD BOARD AND HOOKS TO DROP ZONE AREA
 4. BUMPED LOFT AND BEDROOM 3 OUT 24" TO LINE UP WITH FLOOR BELOW
 5. FLIPPED DOOR AT LAUNDRY CLOSET
 6. CHANGED OWNER'S LINEN DOOR TO A 3/0 DOUBLE HINGE
 7. ALIGNED OWNER'S BATH DOOR WITH MIC ACROSS
 8. FLIPPED SEAT AT OPT. SHOWER
 9. ROOF AT REAR CHANGED PER BUMP OUT
 10. EXTENDED TRIM AT GARAGE DOOR DOWN TO BASE AND CUT BRICK/STONE BACK
 11. REMOVED HALF WALLS AT KITCHEN ISLAND AND UPDATED PER CABINET PROVIDER
 12. CHANGED ALL LINEN CLOSETS TO HAVE ONLY 4 SHELVES
 22. CHANGED THE BASE OWNER'S BATH WINDOW TO 4010
 24. CHANGED THE OWNER'S BATH OPTION SHOWER W/18" SEAT WINDOW TO 4010
 24. CHANGED THE OWNER'S BATH OPTION SUPER SHOWER WINDOWS TO (2)3010
 25. UPDATED THE FRENCH COUNTRY PORCH STONE COLUMNS
 26. EXTENDED FRENCH COUNTRY PORCH SLAB 4" AT FRONT AND EXTEND AROUND CORNER TO SUPPORT STONE VENEER

REVISION: 002 DATE: 3/24/2022

1. ADD ELECTRICAL PLANS
2. SHOW CRAWL SPACE GRADE LINE 2'-6" BELOW FINISHED FLOOR.

REVISION: 003 DATE: 6/20/2022

1. ADD SIDE LOAD GARAGE.

REVISION: 004 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

ARCHITECTURAL DRAWINGS	
Sheet No.	Sheet Description
0.0	Cover Sheet
1.1	Foundation (Slab)
1.1.1	Foundation Options (Slab)
1.2	Foundation (Crawl)
1.2.1	Foundation Options (Crawl)
1.3	Foundation (Stem Wall Slab))
1.3.1	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
2.4	Covered Patio Plans & Elevations (Slab)
2.4.1	Covered Deck Plans & Elevations (Crawl/ Stem Wall)
2.5	2-Car Sideload Garage Plans
2.5.1	2-Car Sideload Garage Elevations
3.1	Front & Rear Elevations (Slab)
3.1.1	Front & Rear Elevations (Crawl/ Stem Wall)
3.2	Side Elevations (Slab)
3.2.1	Side Elevations (Crawl/ Stem Wall)
3.3	Roof Plan
5.1	First Floor Electrical Plan
5.1.1	First Floor Options Electrical Plan
5.2	Second Floor Electrical Plan
5.2.1	Second Floor Options Electrical Plan



SQUARE FOOTAGE		
	'TRADITIONAL' ELEVATION	
	UNHEATED	HEATED
FIRST FLOOR	0	1053
SECOND FLOOR	0	1459
FRONT PORCH	142	0
REAR PATIO	144	0
2 CAR GARAGE	403	0
SUBTOTALS	709	2512
TOTAL UNDER ROOF	3221	
OPTIONS		
	UNHEATED S.F.	HEATED S.F.
COVERED PATIO	144	0
EXTENDED PATIO	100	0
SMART DOOR	-0	+0

DESIGN CRITERIA:

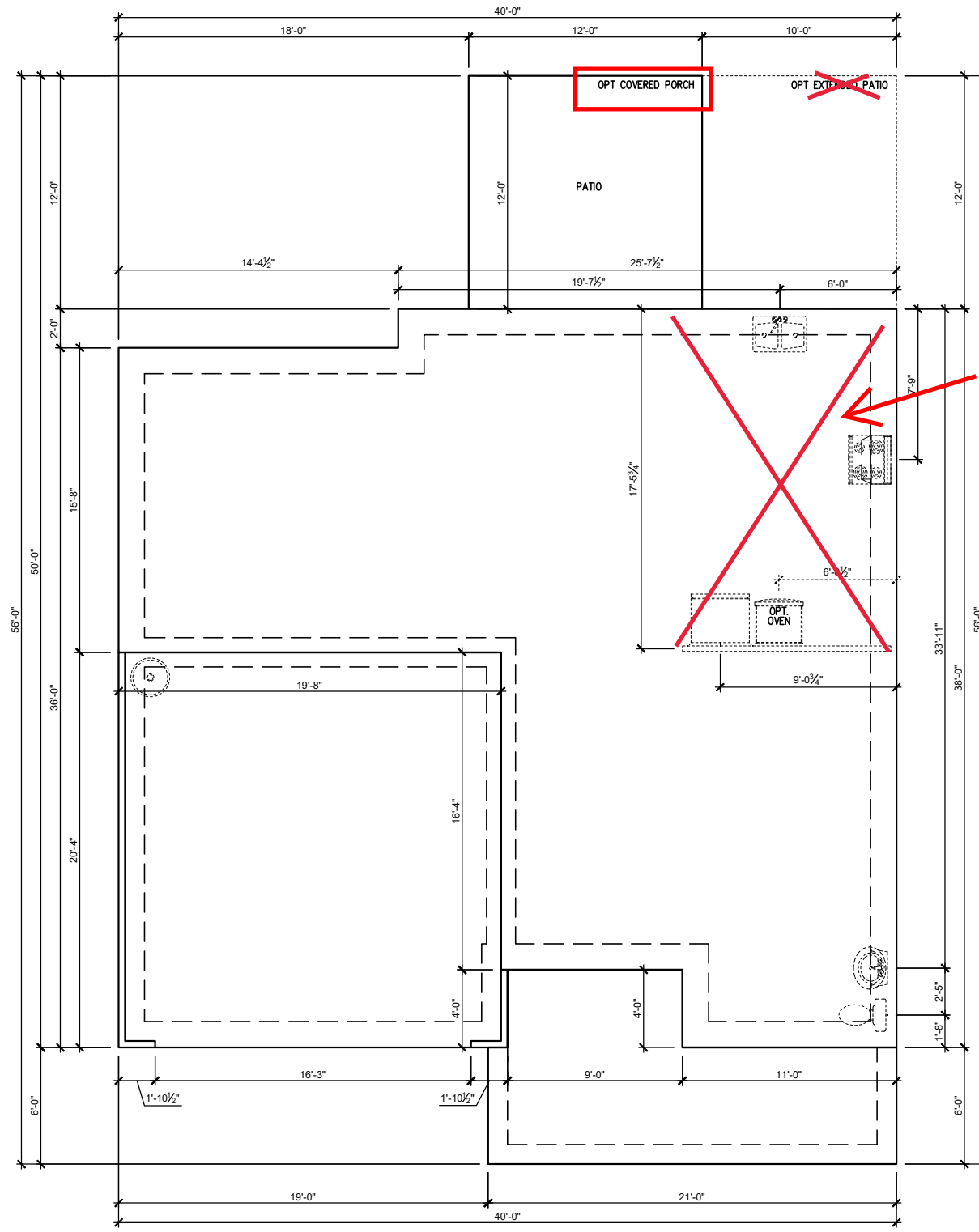
THIS PLAN IS TO BE BUILT IN CONFORMANCE WITH THE 2018 NORTH CAROLINA STATE BUILDING CODE: RESIDENTIAL CODE

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

REV. #	DESCRIPTION	DATE
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PLAN 3 - THE CARY - LH
SINGLE FAMILY
Cover Sheet 'Traditional'

DRAWN BY:
South Designs
ISSUE DATE:
07/01/2021
CURRENT REVISION DATE:
07/22/2022
SCALE:
1/8" = 1'-0"
SHEET
0.0a



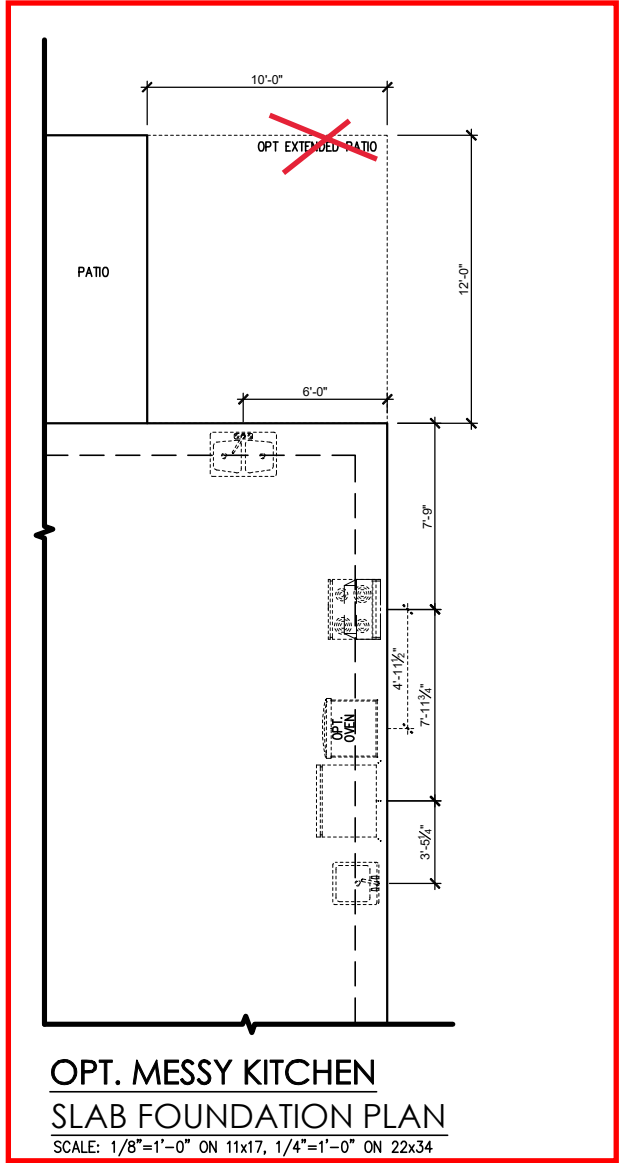
Insert Messy Kitchen
see Page 1.1.1a

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

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1	REFER TO COVER SHEET	2/4/2022
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6	---	---
7	---	---
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PLAN 3 - THE CARY - LH
SINGLE FAMILY
Slab Foundation 'Traditional'

DRAWN BY:
South Designs
ISSUE DATE:
07/01/2021
CURRENT REVISION DATE:
07/22/2022
SCALE:
1/8" = 1'-0"



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6	—	...
7	—	...
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PLAN 3 - THE CARY - LH
SINGLE FAMILY
 Slab Foundation Options "Traditional"

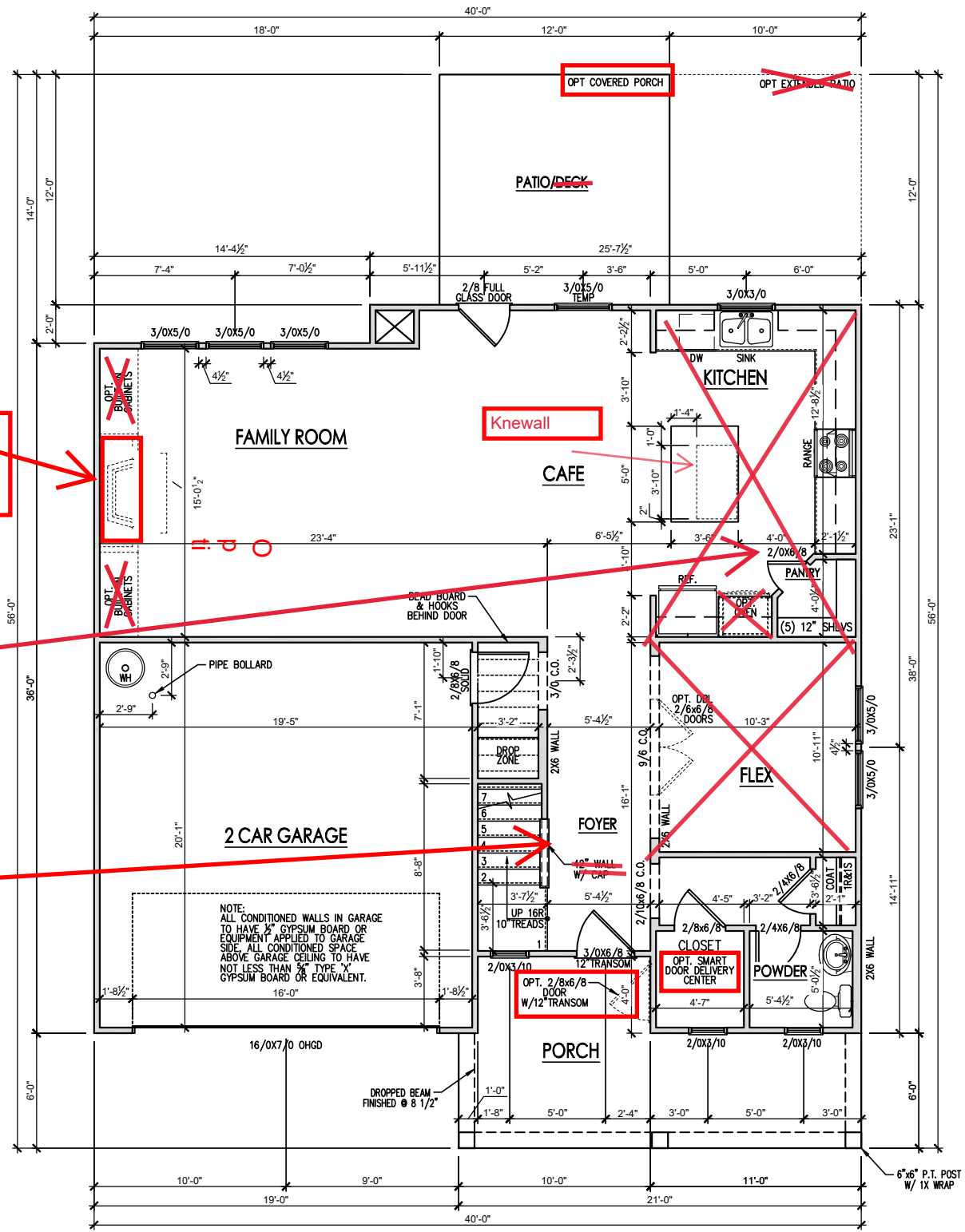
DRAWN BY:
 South Designs
 ISSUE DATE:
 07/01/2021
 CURRENT REVISION DATE:
 07/22/2022

SCALE:
 1/8" = 1'-0"
 SHEET
1.1.1a

General Floor Plan Notes

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

1. Wall Heights: Typically 9'-0" at first floor and 8'-0" at second floor and 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. on elevation drawings. Windows at front elevation may be higher at the first floor.
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, Tray 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.



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

insert Messy Kitchen see Page 2.1.1a

Open Handrail

Optional Fireplace see Page 2.1.1a

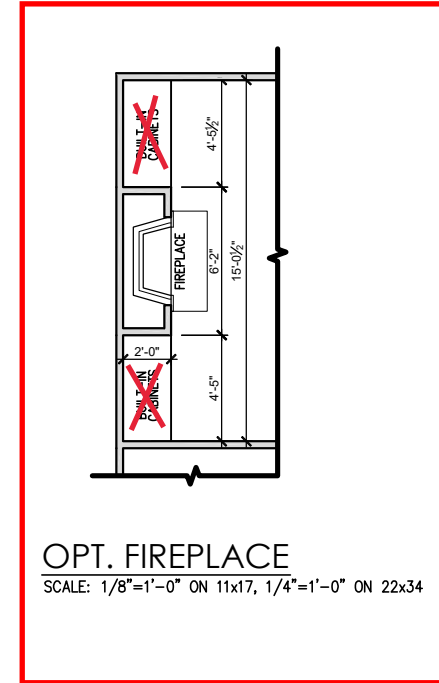
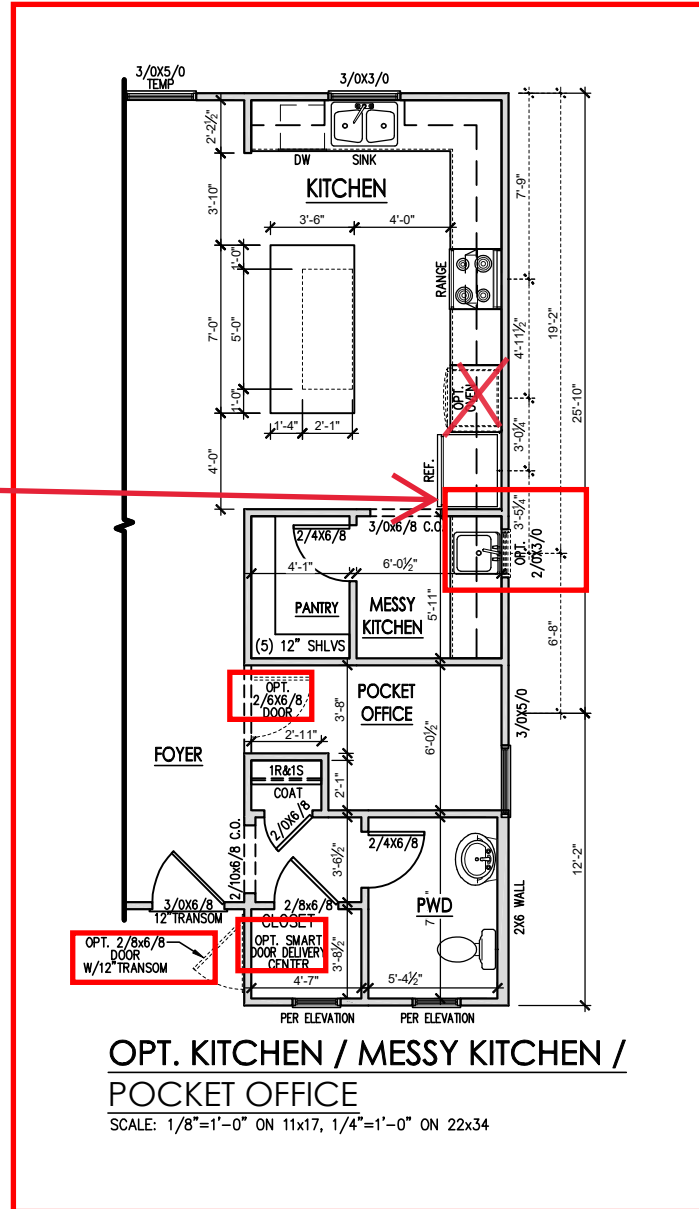
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Opt Sink and Window @ messy



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PLAN 3 - THE CARY - LH
SINGLE FAMILY
First Floor Plan Options 'Traditional'

DRAWN BY:
South Designs
ISSUE DATE:
07/01/2021
CURRENT REVISION DATE:
07/22/2022
SCALE:
1/8" = 1'-0"

General Floor Plan Notes

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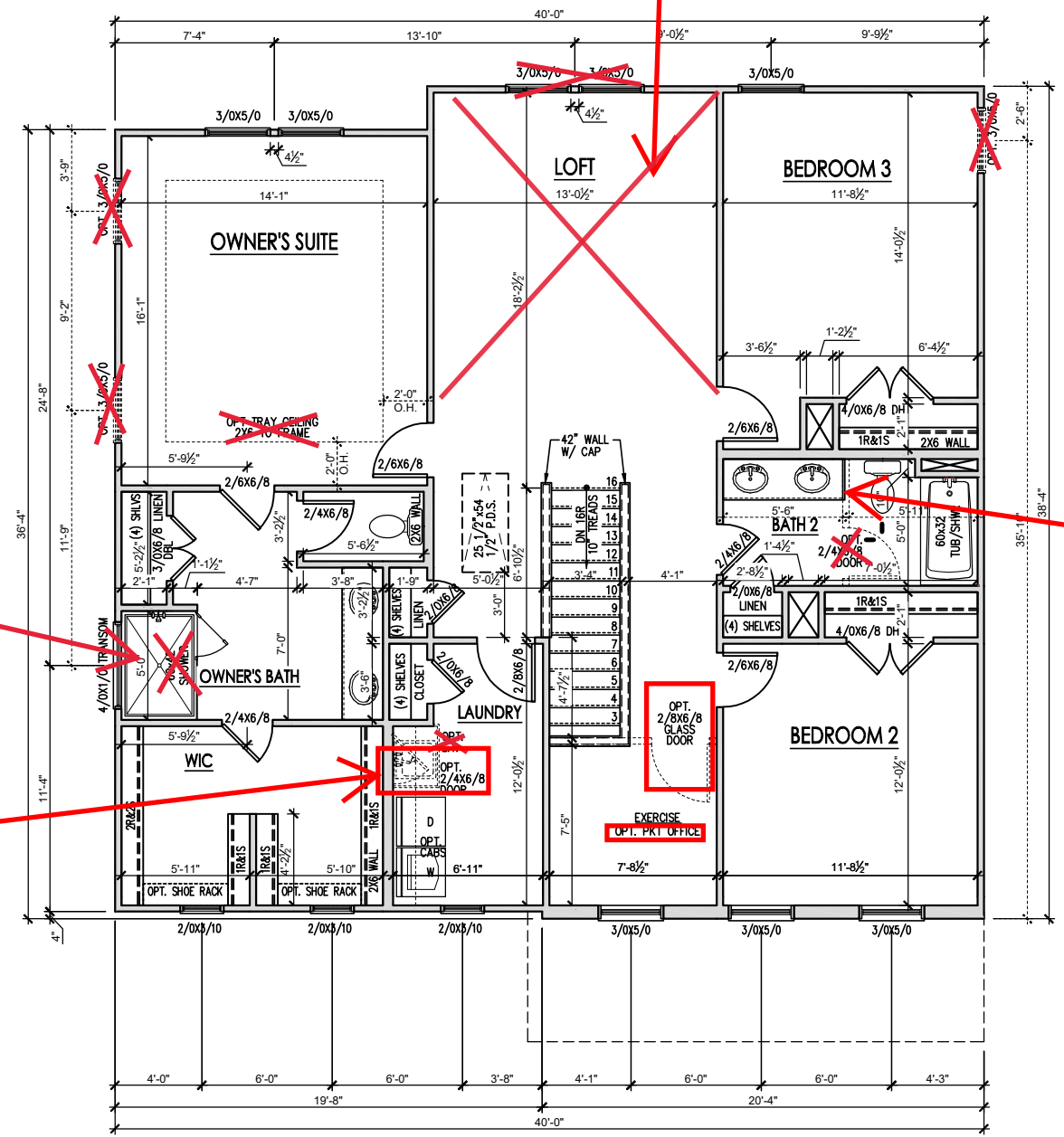
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Insert Bedroom 4 Option with single window see Page 2.2.1a - no twin window

Insert Opt Shower w/Seat see Page 2.2.1a

No Laundry Tub
Install Opt door from WIC to Laundry

remove wall separation



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

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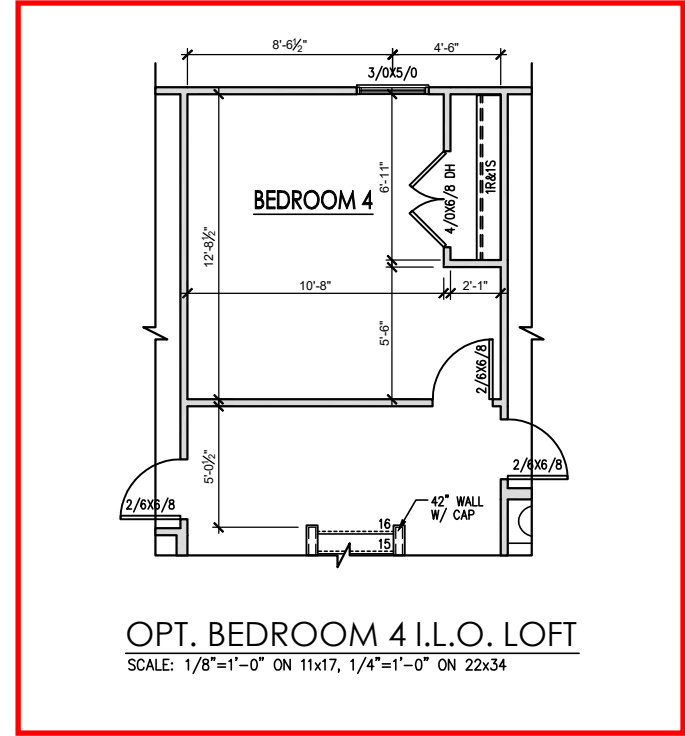
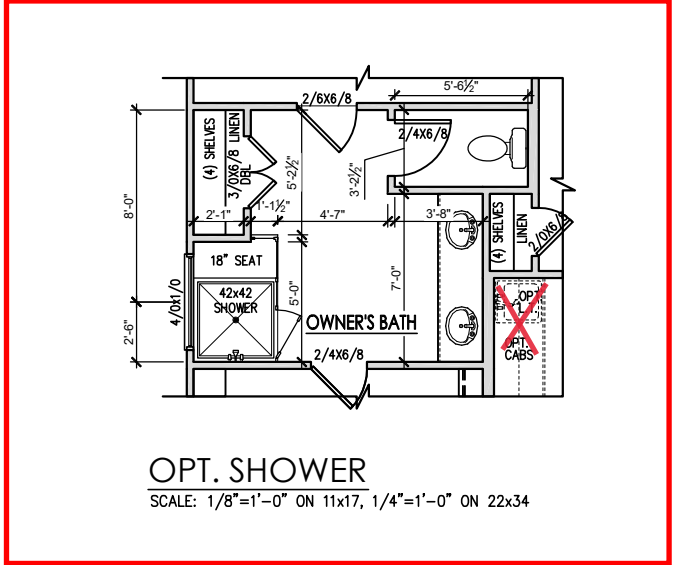
PLAN 3 - THE CARY - LH
SINGLE FAMILY
Second Floor Plan 'Traditional'

DRAWN BY: South Designs
ISSUE DATE: 07/01/2021
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SCALE: 1/8" = 1'-0"
SHEET 2.2a

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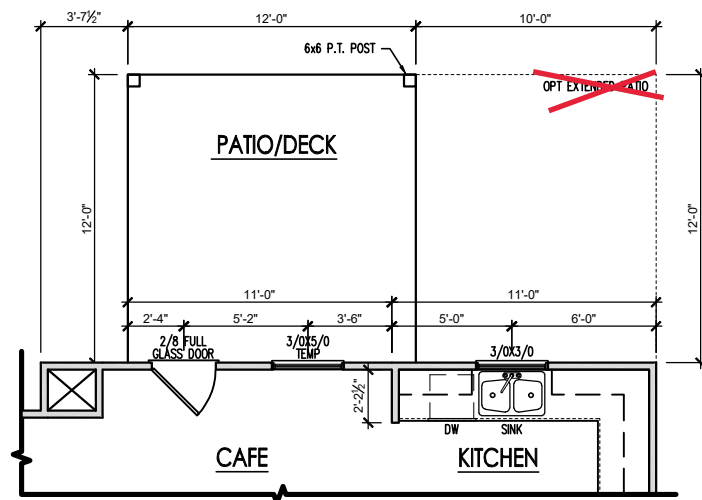
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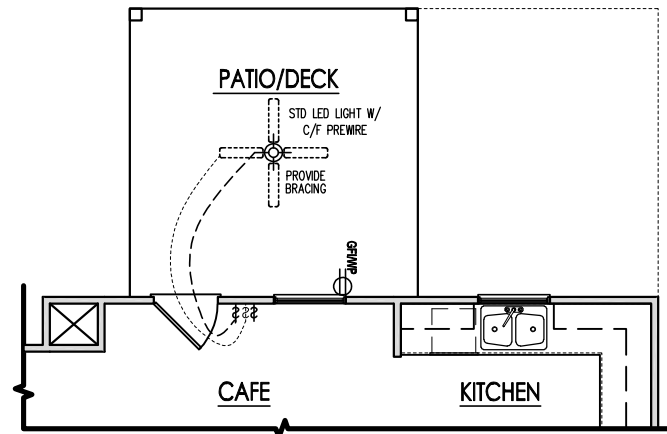
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PLAN 3 - THE CARY - LH
SINGLE FAMILY
Second Floor Plan Options 'Traditional'

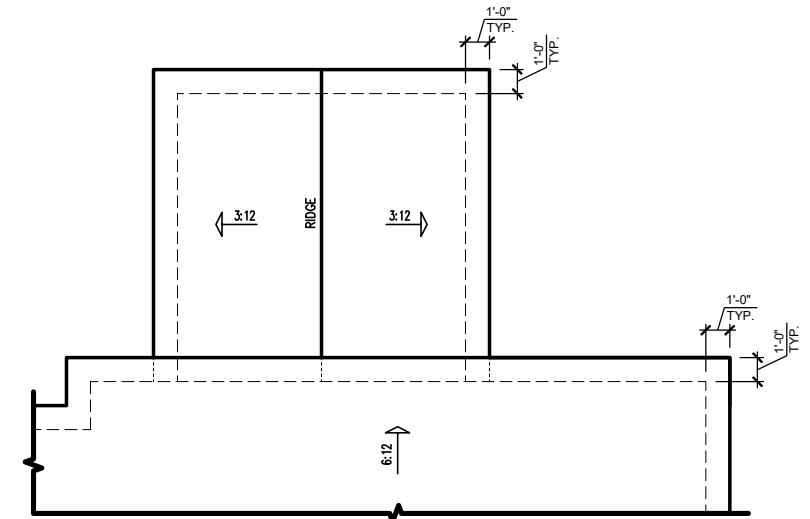
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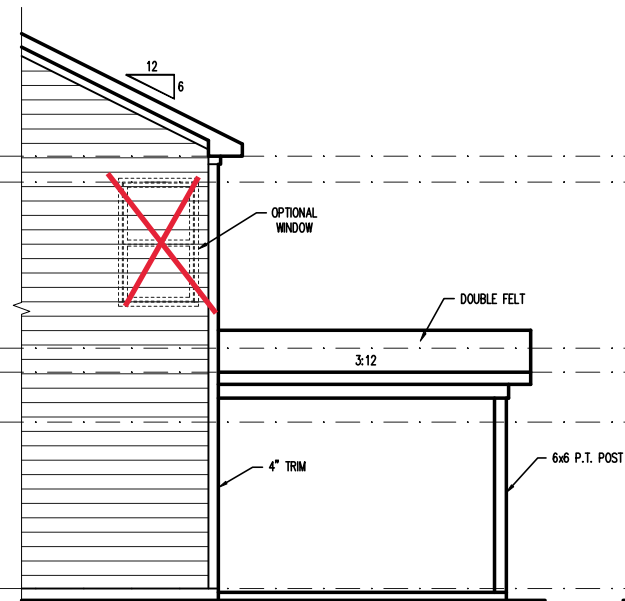
COVERED PORCH FLOOR PLAN
SCALE: 1/8"=1'-0" ON 11x17, 1/4"=1'-0" ON 22x34



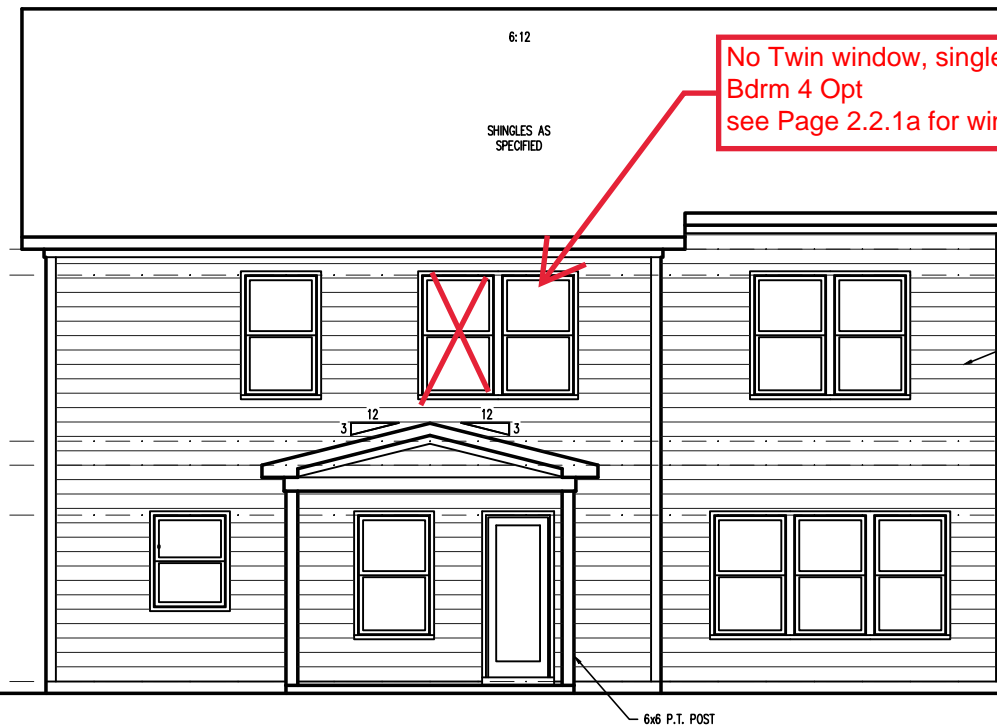
COVERED PORCH ELECTRICAL
SCALE: 1/8"=1'-0" ON 11x17, 1/4"=1'-0" ON 22x34



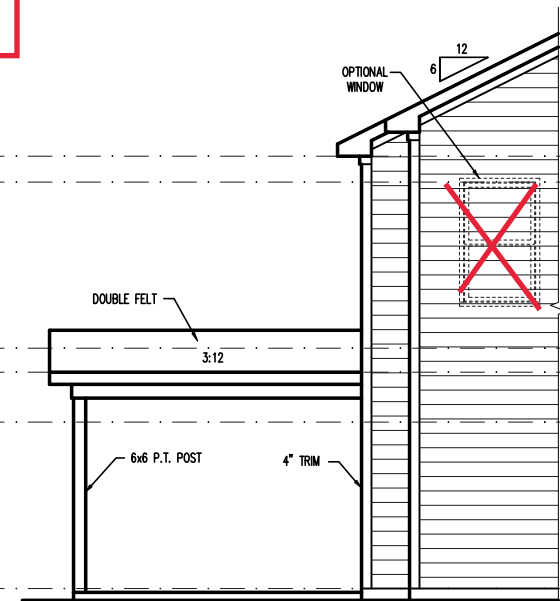
COVERED PORCH ROOF PLAN
SCALE: 1/8"=1'-0" ON 11x17, 1/4"=1'-0" ON 22x34



PARTIAL RIGHT SIDE ELEVATION (SLAB)
SCALE: 1/8"=1'-0" ON 11x17, 1/4"=1'-0" ON 22x34



COVERED PORCH REAR ELEVATION (SLAB)
SCALE: 1/8"=1'-0" ON 11x17, 1/4"=1'-0" ON 22x34



PARTIAL LEFT SIDE ELEVATION (SLAB)
SCALE: 1/8"=1'-0" ON 11x17, 1/4"=1'-0" ON 22x34

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PLAN 3 - THE CARY - LH
SINGLE FAMILY
Covered Porch Plans & Elevations (Slab) 'Traditional'

DRAWN BY:
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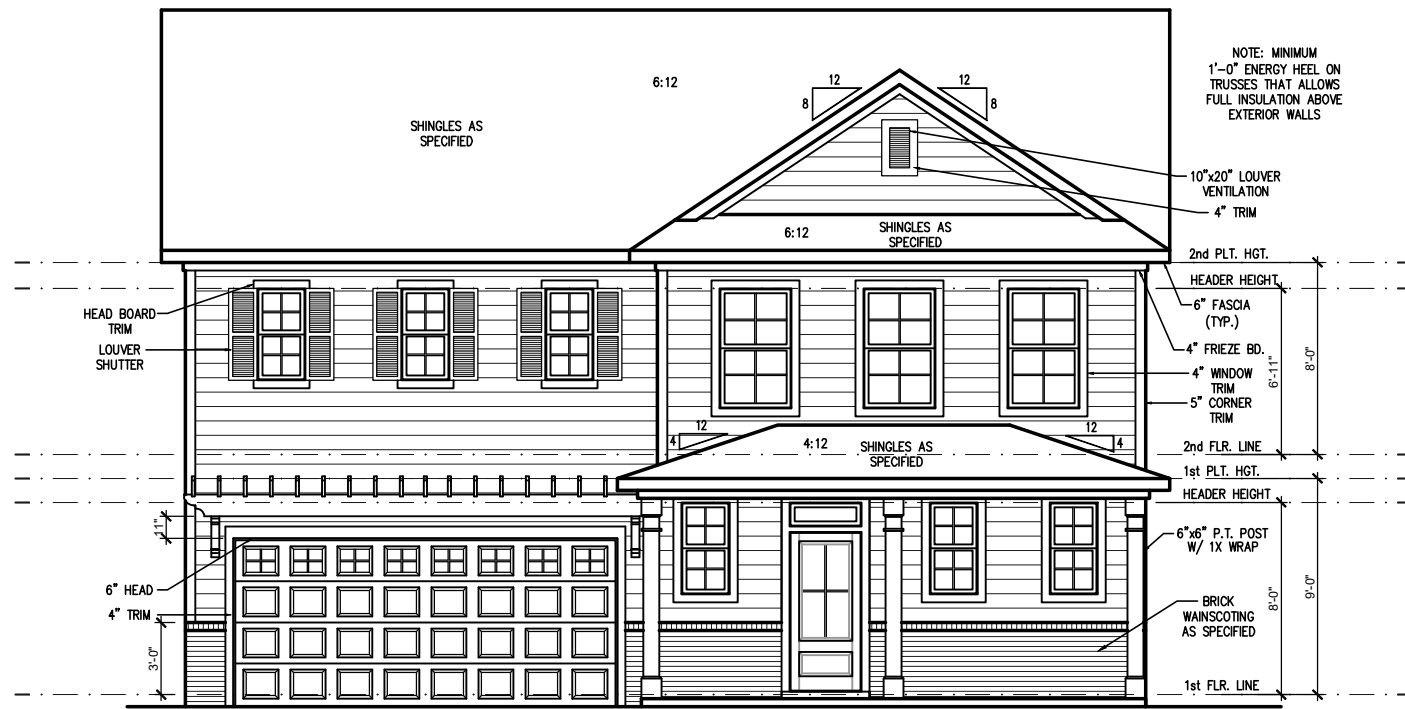
General Elevation Notes

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 4-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 1/600.

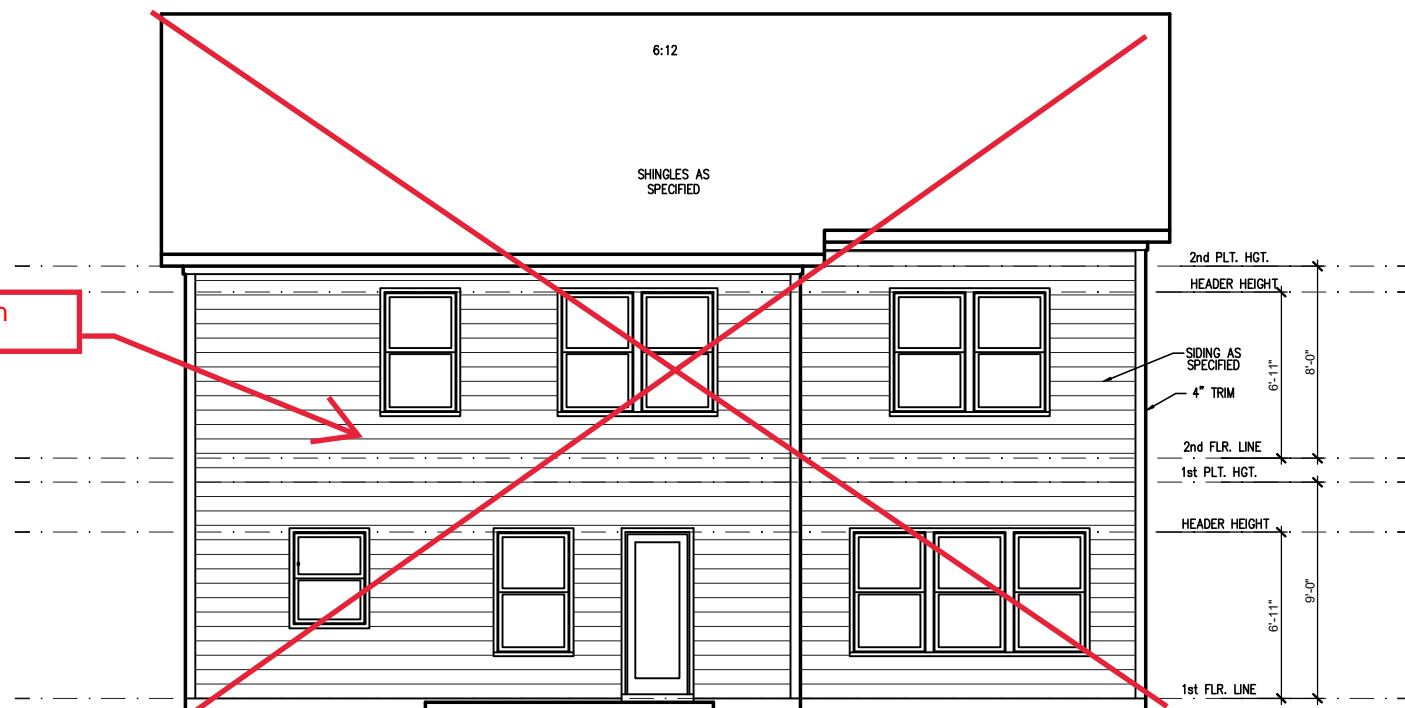
Masonry Opening Lintel Schedule

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



FRONT ELEVATION 'TRADITIONAL' (SLAB)
SCALE: 1/4" = 1'-0" ON 22x34, 1/8" = 1'-0" ON 11x17

see Page 2.4a for Rear Elevation



REAR ELEVATION 'TRADITIONAL' (SLAB)
SCALE: 1/4" = 1'-0" ON 22x34, 1/8" = 1'-0" ON 11x17

REV. #	DESCRIPTION	DATE
1	REFER TO COVER SHEET	2/14/2022
2	REFER TO COVER SHEET	03/24/2022
3	REFER TO COVER SHEET	06/20/2022
4	REFER TO COVER SHEET	07/22/2022
5		
6		
7		
8		

PLAN 2 - THE HOLLY - RH
SINGLE FAMILY
Front & Rear Elevations (Slab)
'Traditional'

DRAWN BY:
South Designs
ISSUE DATE:
07/01/2021
CURRENT REVISION DATE:
07/22/2022
SCALE:
1/8" = 1'-0"

SHEET
3.1a

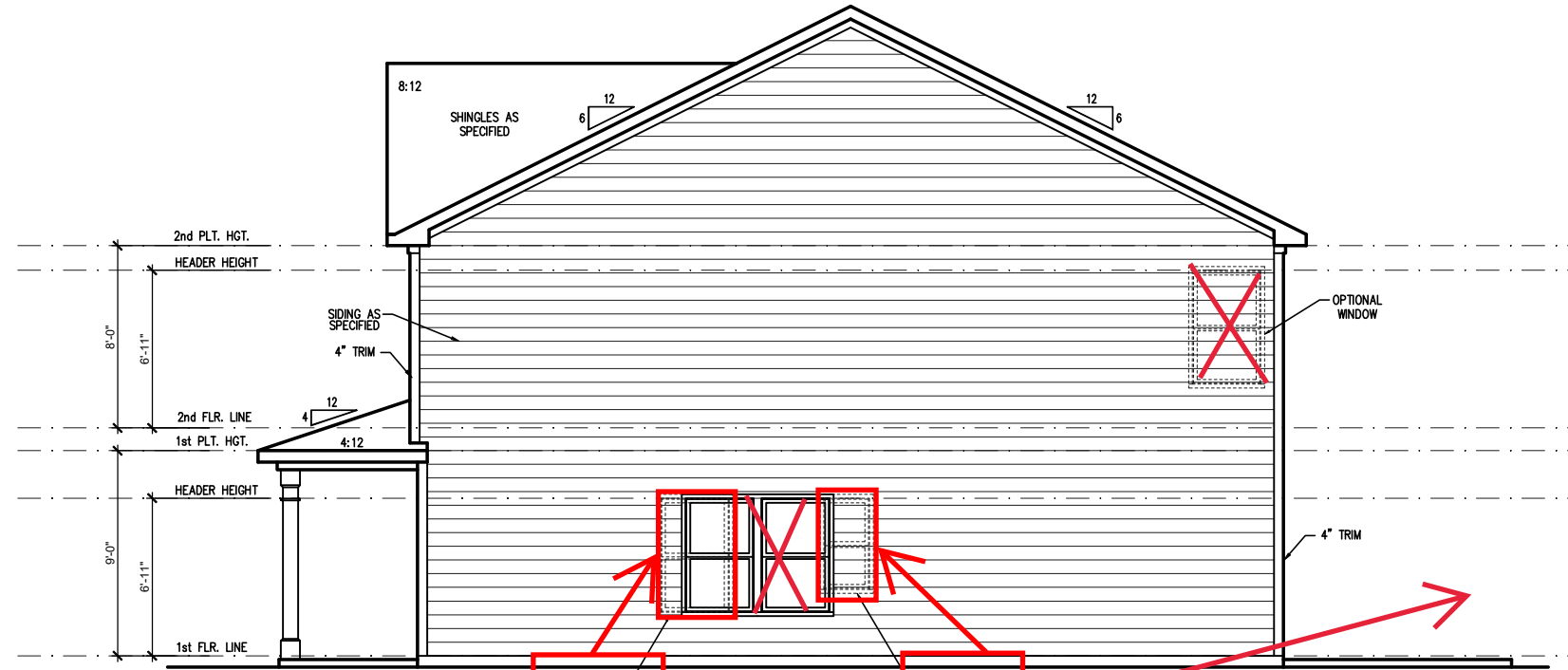
General Elevation Notes

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 1/600.

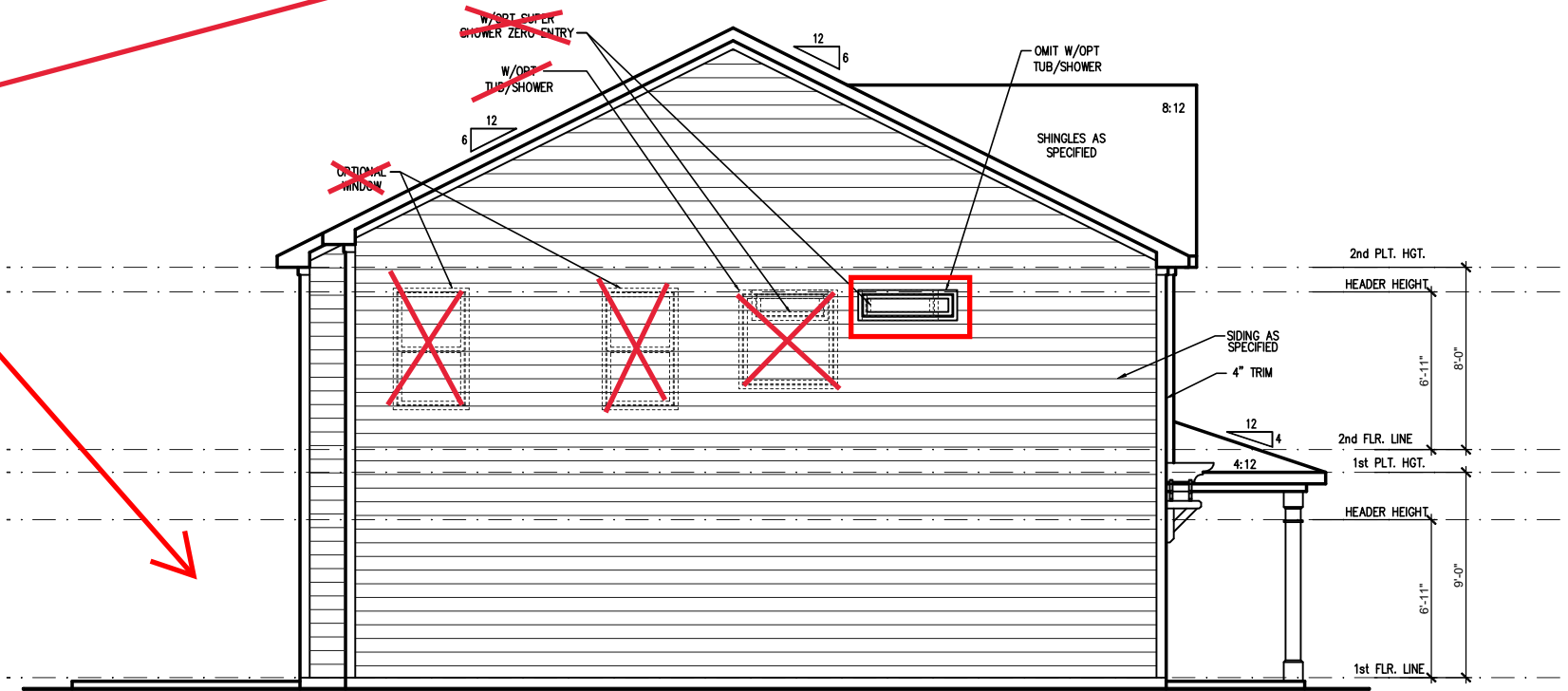
Masonry Opening Lintel Schedule

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



RIGHT SIDE ELEVATION 'TRADITIONAL' (SLAB)
SCALE: 1/4" = 1'-0" ON 22x34, 1/8" = 1'-0" ON 11x17

See Page 2.4a for Rear Porch Side Elevations



LEFT SIDE ELEVATION 'TRADITIONAL' (SLAB)
SCALE: 1/4" = 1'-0" ON 22x34, 1/8" = 1'-0" ON 11x17

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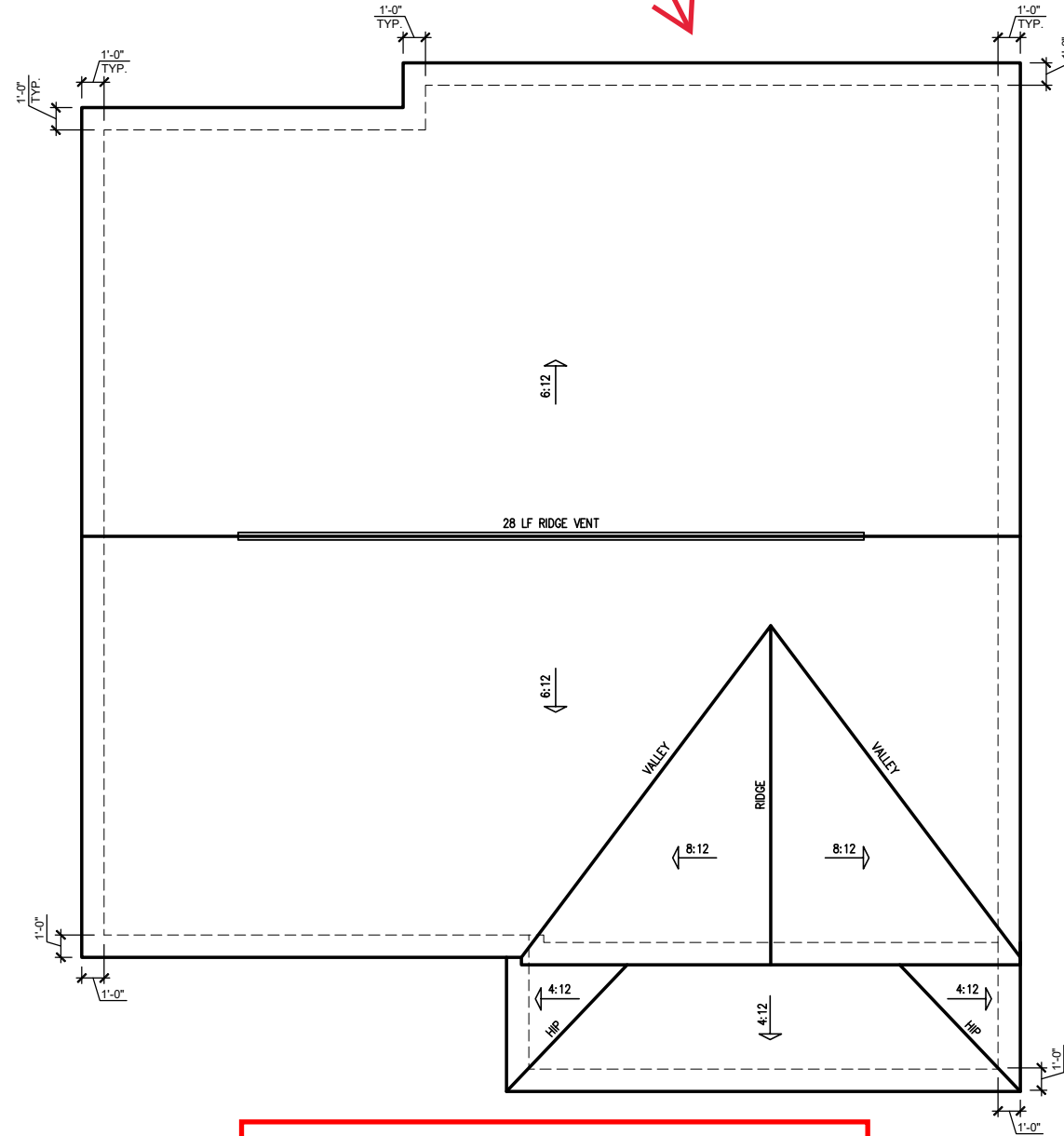
PLAN 3 - THE CARY - LH
SINGLE FAMILY
Side Elevations (Slab) 'Traditional'

DRAWN BY:
South Designs
ISSUE DATE:
07/01/2021
CURRENT REVISION DATE:
07/22/2022
SCALE:
1/8" = 1'-0"

ATTIC VENT SCHEDULE								
'TRADITIONAL' ELEVATION								
MAIN HOUSE		SQ FTG	1447	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	1.93	2.41	3.50	48.28	0	0	28.00	
SOFFIT VENTS	2.89	2.41	3.75	51.72			0	60.00
TOTAL (MIN)	4.82	4.82	7.25	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

Rear Porch Roof Plan adder see Page 2.4a

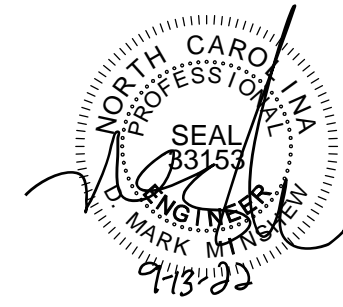


'TRADITIONAL' ELEVATION ROOF PLAN
SCALE: 1/4" = 1'-0" ON 22x34, 1/8" = 1'-0" ON 11x17

REV. #	DESCRIPTION	DATE
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2	REFER TO COVER SHEET	03/24/2022
3	REFER TO COVER SHEET	06/20/2022
4	REFER TO COVER SHEET	07/22/2022
5	—	—
6	—	—
7	—	—
8	—	—

PLAN 3 - THE CARY - LH
SINGLE FAMILY
Roof Plan 'Traditional'

DRAWN BY:
South Designs
ISSUE DATE:
07/01/2021
CURRENT REVISION DATE:
07/22/2022
SCALE:
1/8" = 1'-0"



PROJECT #
21-2867-LH

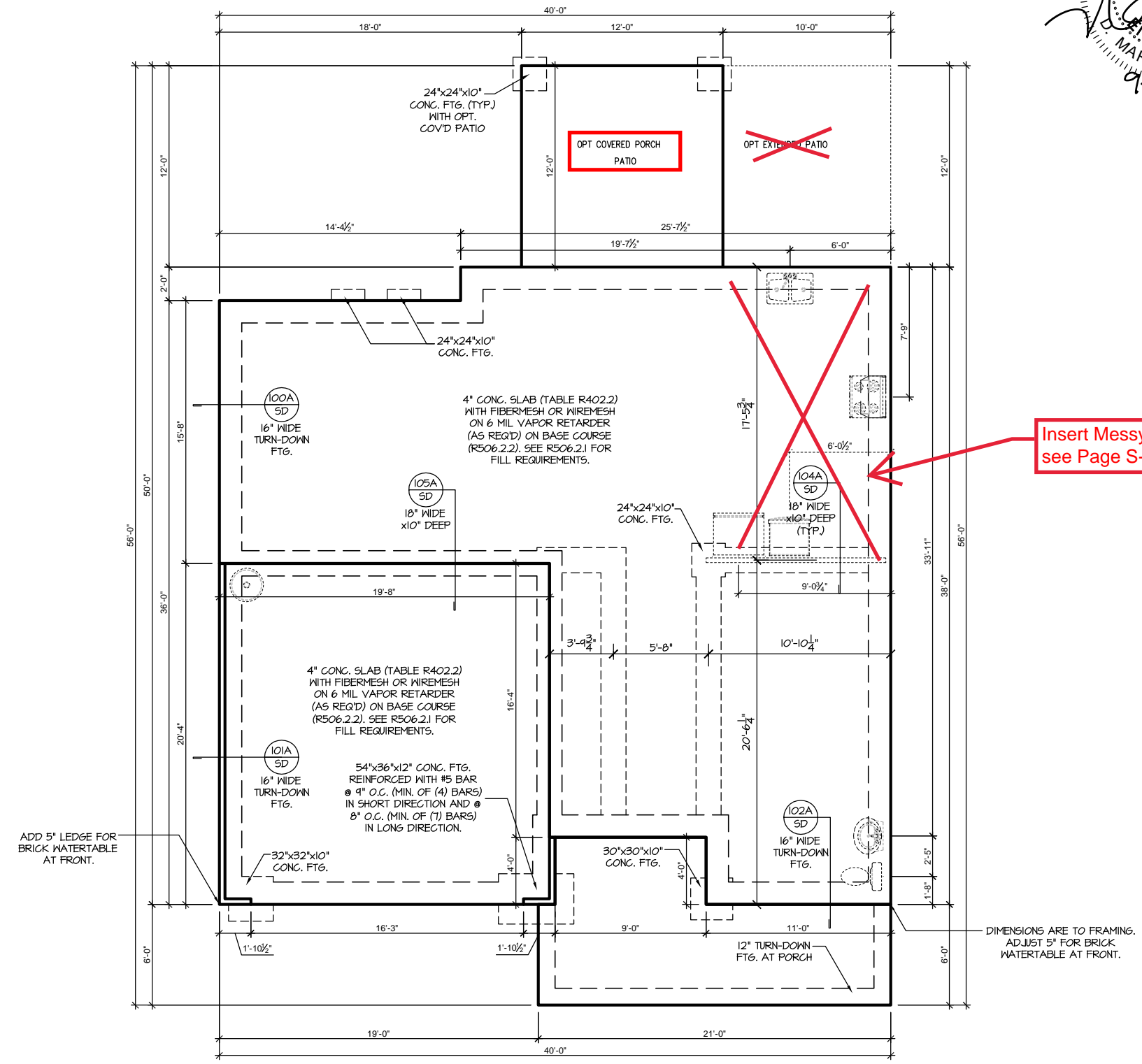
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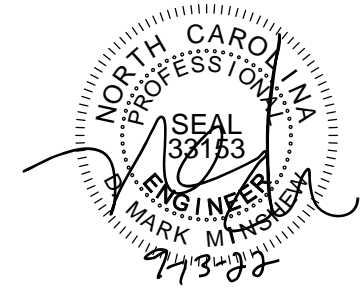
Plan 3 -The Cary - LH

S-1.1



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

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



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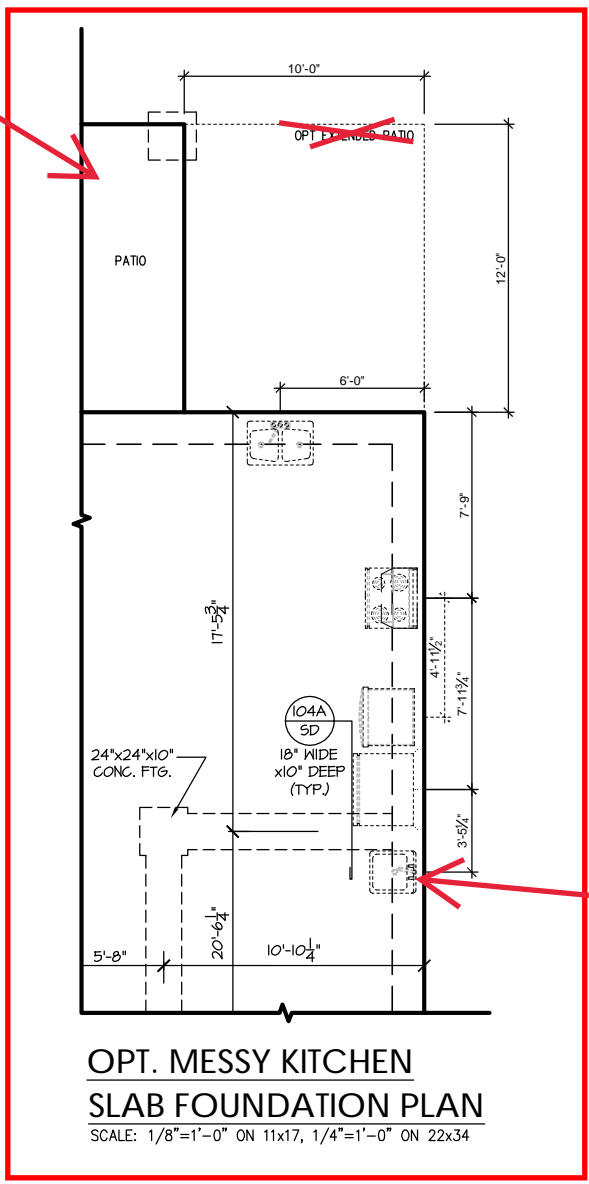
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Plan 3 - The Cary - LH

S-1.1.1

Opt. Covered Rear Porch
see Page S-2.4



yes to Opt Messy Sink

OPT. MESSY KITCHEN
SLAB FOUNDATION PLAN
SCALE: 1/8"=1'-0" ON 11x17, 1/4"=1'-0" ON 22x34

REFER TO "SD" SHEET(S) FOR
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Plan 3 -The Cary - LH

S-2.1

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

1. 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.
2. TRUSS SCHEMATICS (PROFILES) SHALL BE PREPARED AND SEALED BY TRUSS MANUFACTURER.
3. ALL TRUSSES SHALL BE DESIGNED FOR BEARING ON SFF #2 OR #3 PLATES OR LEDGERS (UNO).
4. 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):

- TJI 210 BY TRUS JOIST
 - LPI 20 PLUS BY LP
 - BCI 5000s 1.8 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 THE MANUFACTURER MAY BE SUBSTITUTED FOR I-JOISTS.

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 "4" IN TABLE R602.3(5) OR AS BELOW PER NCD01 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:

- 4"x4" (6"x6") 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: 3/8" ANCHOR (EMBED 1")
 - 3.2. CMU: 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.

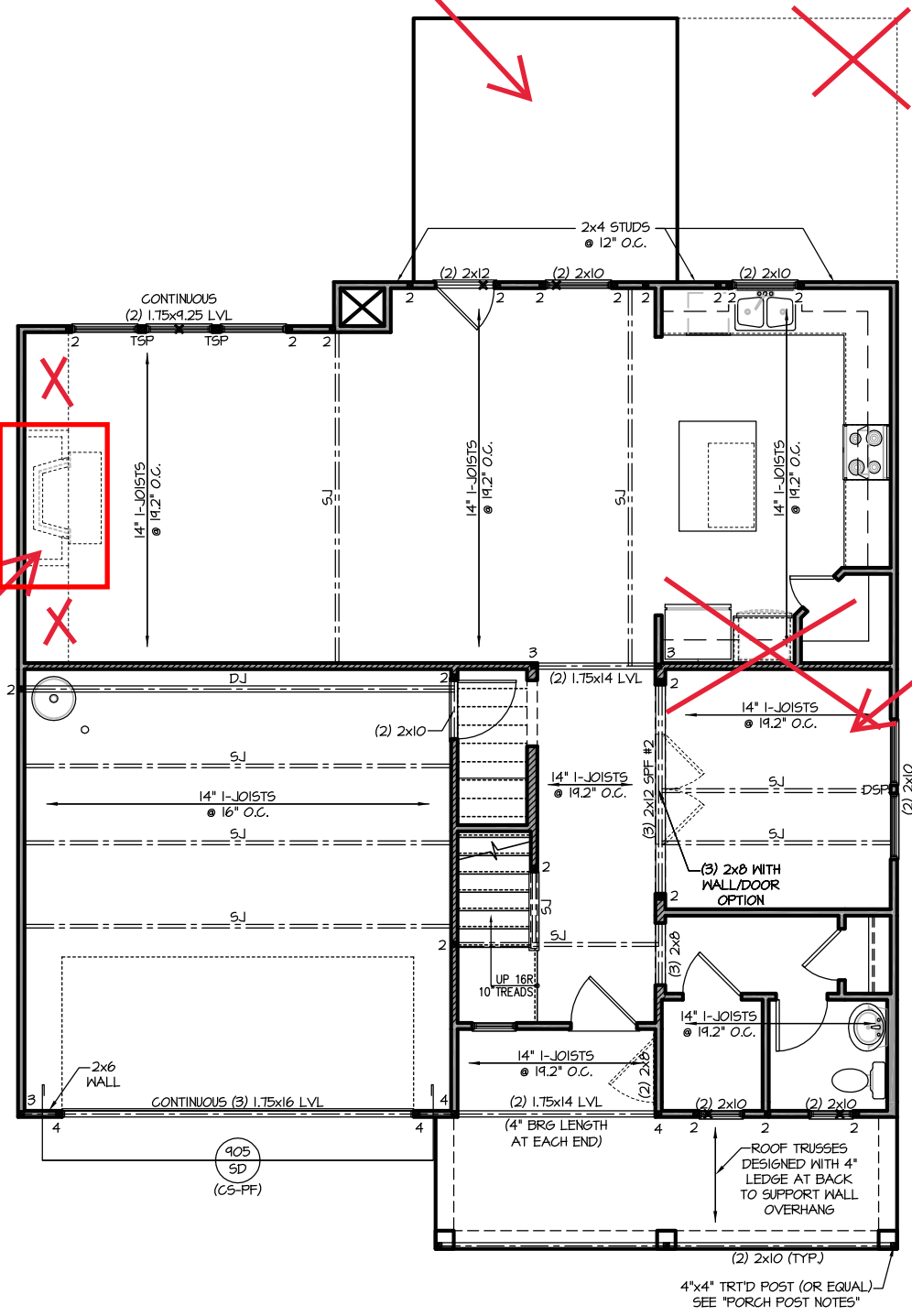
FRAMING NOTES
NC (2018 NCR): Wind: 115-120 mph

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 B: 1/16" EXPOSURE C: 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 CS22 STRAP DOWN ACROSS THE BAND AND DOWN TO A STUD BELOW OR HEADER BELOW. EXTEND STRAP 1" MIN ALONG EACH STUD (OR HEADER) AND ATTACH EACH END W/ (7) 8d NAILS.
5. INTERIOR BRACED WALL: (NOTED AS "IBW" ON PLANS) ATTACH 1/2" GYPSUM BOARD (GB) ON EACH SIDE OF WALL WITH A MIN. OF 5d COOLER NAILS OR #6 SCREWS @ 1' O.C. ALONG THE EDGES AND AT INTERMEDIATE SUPPORTS.
6. INTERIOR BRACED WALL-WOOD STRUCTURAL PANEL: (NOTED AS "IBW-WSP" ON PLANS) ATTACH ONE SIDE WITH 1/4" 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.

Opt. Covered Rear Porch
see Page S-2.4

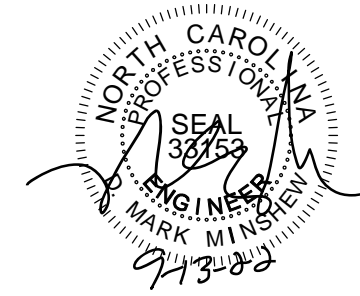
Opt. Fireplace
see Page S-2.2.1

Opt. Messy Kitchen
see Page S-2.1.1



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

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



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21-2867-LH

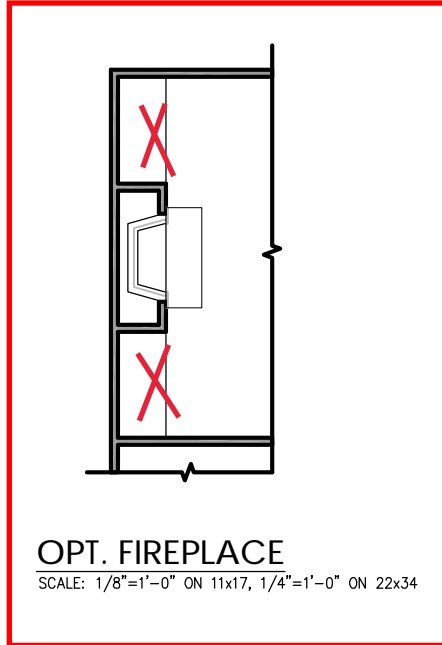
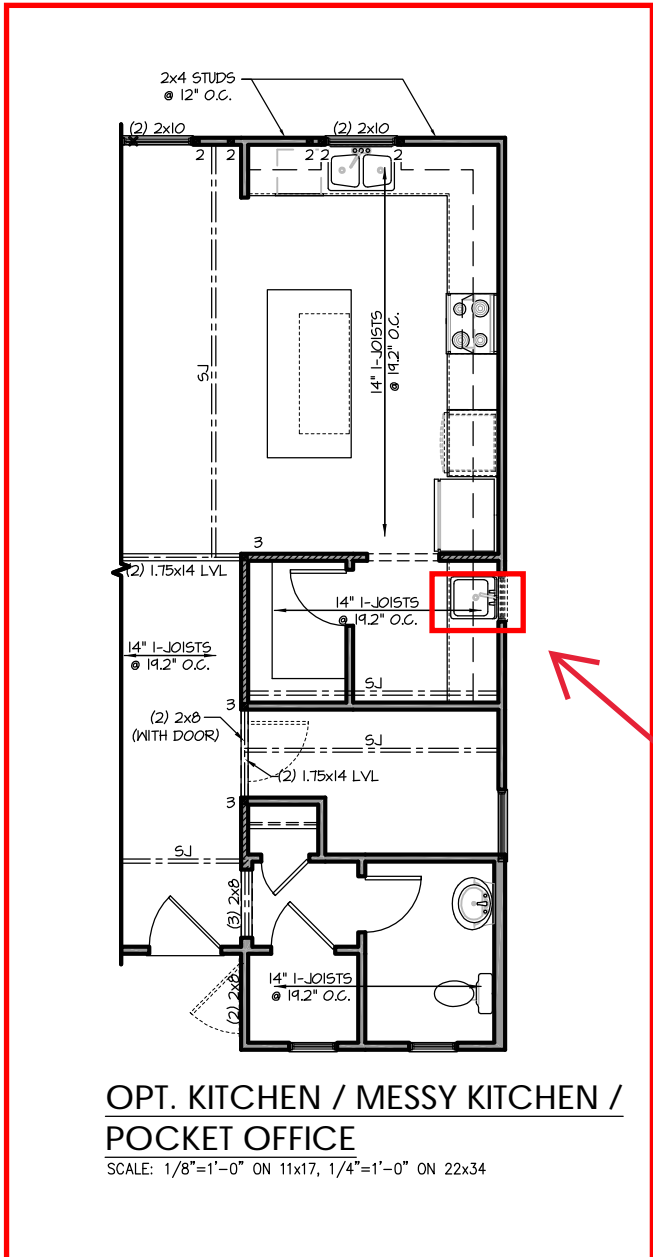
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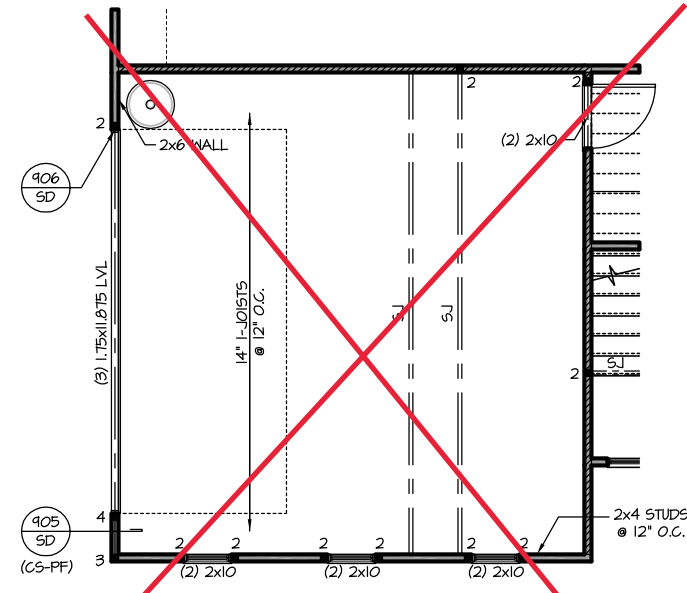
Plan 3 - The Cary - LH

S-2.1.1



Opt. Messy Window &
Opt. Messy Sink

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

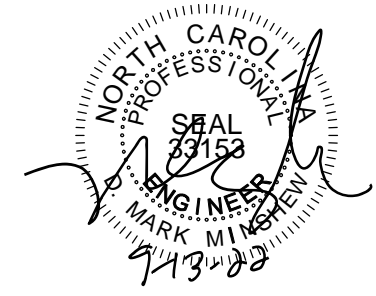


OPT. 2-CAR SIDELOAD GARAGE

FIRST FLOOR PLAN

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

No Side Load Garage



PROJECT #
21-2867-LH

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Plan 3 - The Cary - LH

S-2.1.2

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Plan 3 - The Cary - LH

S-2.2

TRUSS SYSTEM REQUIREMENTS

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

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2. TRUSS SCHEMATICS (PROFILES) SHALL BE PREPARED AND SEALED BY TRUSS MANUFACTURER.
3. ALL TRUSSES SHALL BE DESIGNED FOR BEARING ON SFF #2 OR #3 PLATES OR LEDGERS (UNO).
4. ALL REQUIRED ANCHORS FOR TRUSSES DUE TO UPLIFT OR BEARING SHALL MEET THE REQUIREMENTS AS SPECIFIED ON THE TRUSS SCHEMATICS.

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 NCD01 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

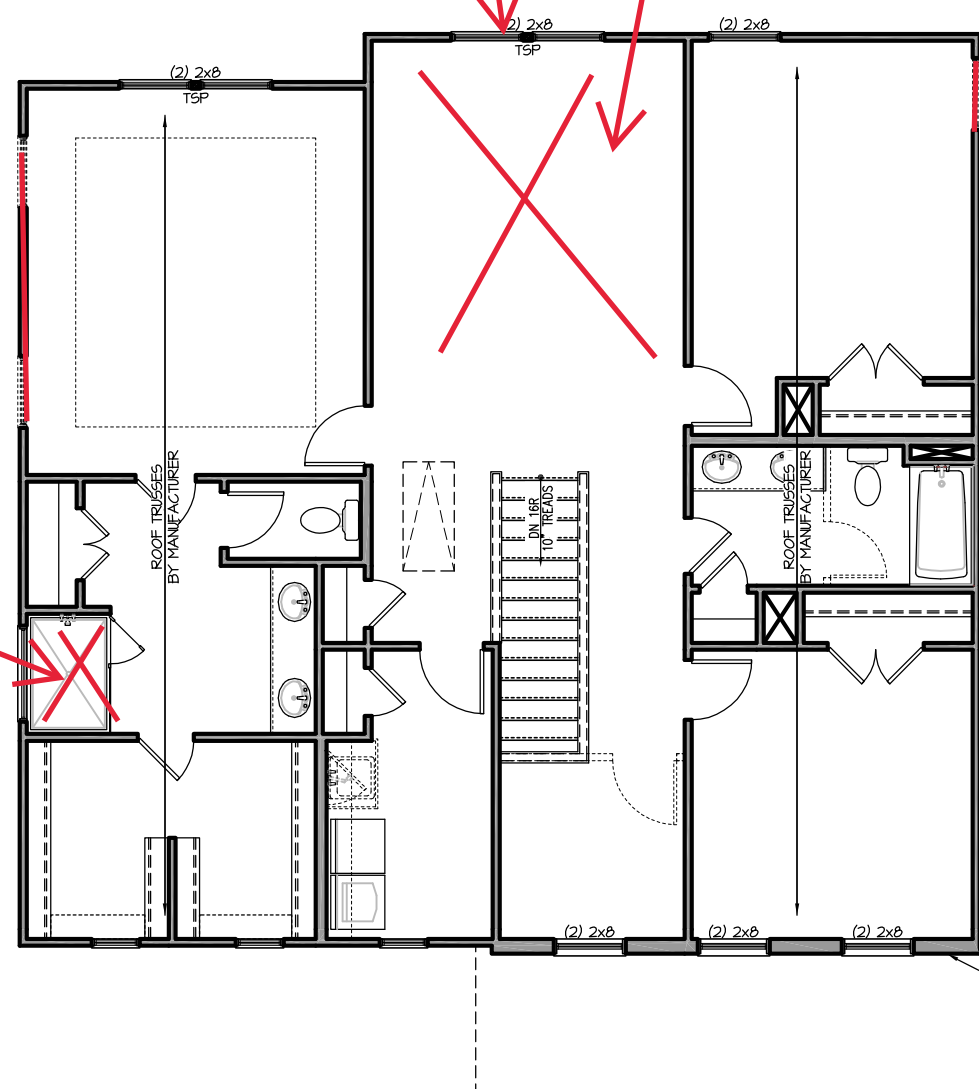
NC (2018 NRC): Wind: 115-120 mph

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.
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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 C522 STRAP DOWN ACROSS THE BAND AND DOWN TO A STUD BELOW OR HEADER BELOW. EXTEND STRAP 1" MIN ALONG EACH STUD (OR HEADER) AND ATTACH EACH END W/ (1) 8d NAILS.
5. INTERIOR BRACED WALL: (NOTED AS "IBW" ON PLANS) ATTACH 1/2" GYPSUM BOARD (GB) ON EACH SIDE OF WALL WITH A MIN. OF 5d COOLER NAILS OR #6 SCREWS @ 1" O.C. ALONG THE EDGES AND AT INTERMEDIATE SUPPORTS.
6. INTERIOR BRACED WALL-WOOD STRUCTURAL PANEL: (NOTED AS "IBW-WSP" ON PLANS) ATTACH ONE SIDE WITH 1/4" 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.

Single Window, no Twin per Opt. Bedroom 4

Opt. Bedroom 4 see Page S-2.1.1

Opt. Shower w/ Seat see Page S-2.2.1



ATTACH BASE OF STUD WITH A SIMPSON C520 OR C5HP20 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 WITH (8) 8d COMMON NAILS (OR EQ).

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

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

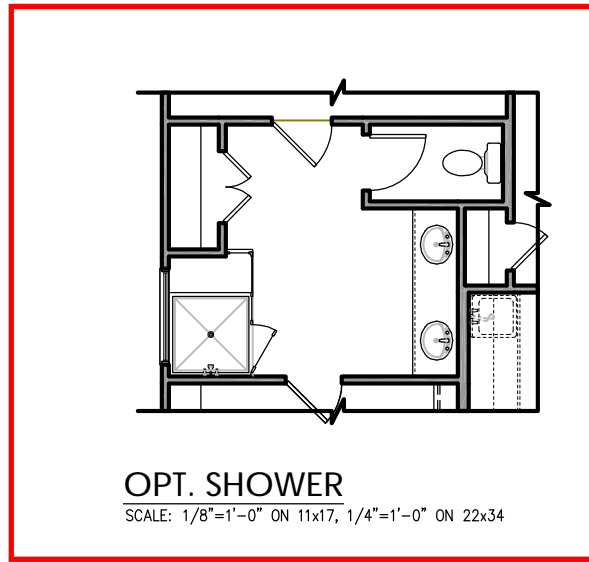


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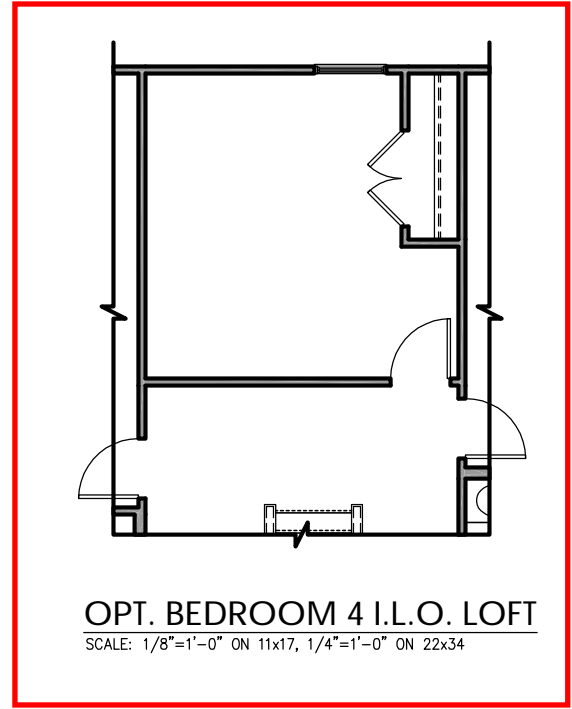
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Plan 3 - The Cary - LH



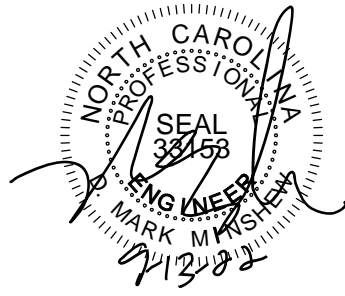
NO STRUCTURAL CHANGES FROM BASE PLAN



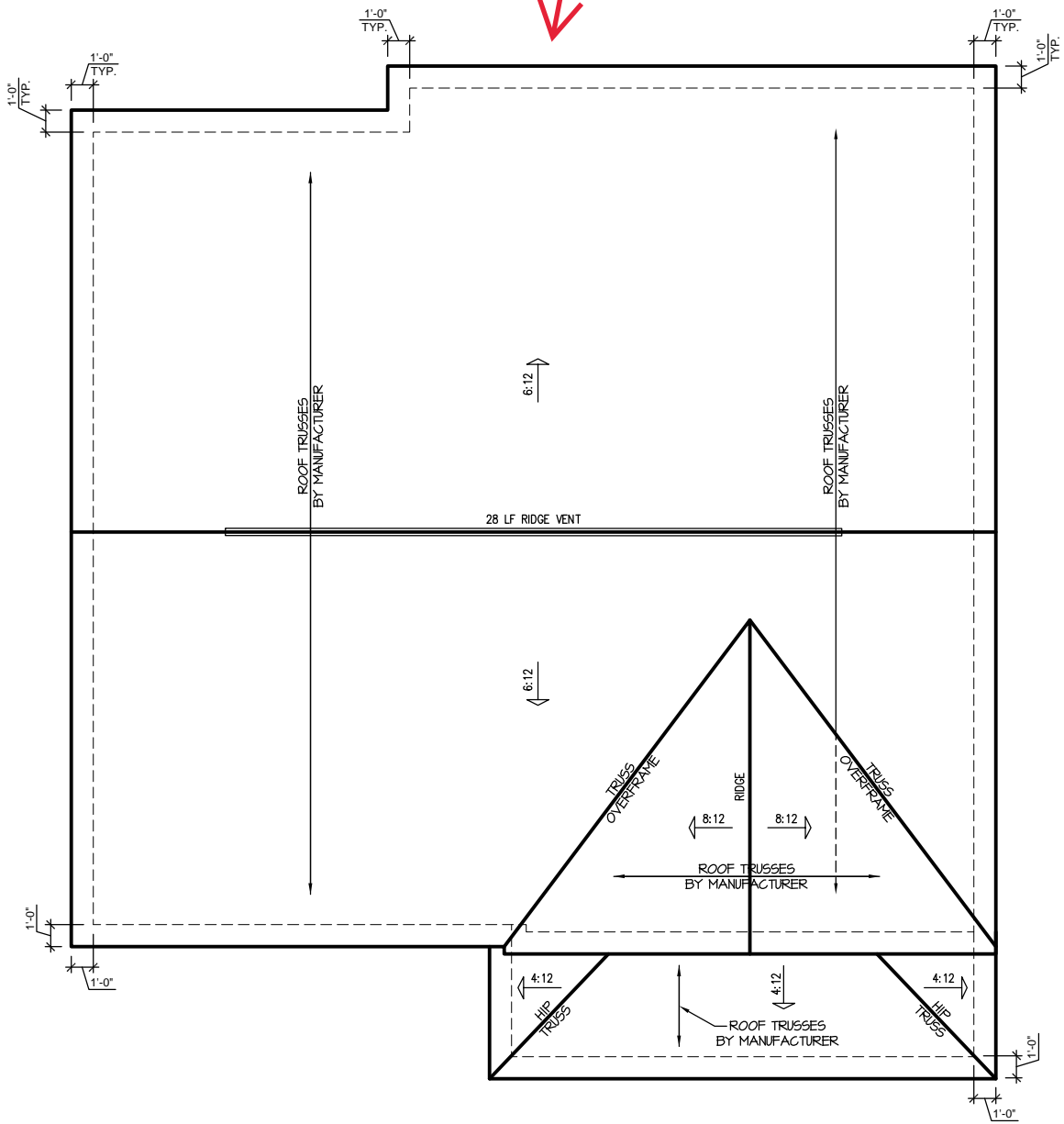
TRUSS SYSTEM REQUIREMENTS

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

1. 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.
2. TRUSS SCHEMATICS (PROFILES) SHALL BE PREPARED AND SEALED BY TRUSS MANUFACTURER.
3. ALL TRUSSES SHALL BE DESIGNED FOR BEARING ON SFF #2 OR #3 PLATES OR LEDGERS (UNO).
4. ALL REQUIRED ANCHORS FOR TRUSSES DUE TO UPLIFT OR BEARING SHALL MEET THE REQUIREMENTS AS SPECIFIED ON THE TRUSS SCHEMATICS.



Opt. Covered Rear Porch
see add' Roof Plan
Page S-2.4



'TRADITIONAL' ELEVATION ROOF PLAN

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

ATTIC VENT SCHEDULE									
'TRADITIONAL' ELEVATION									
MAIN HOUSE		SQ FTG		1447	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	1.93	2.41	3.50	48.28	0	0	28.00		
SOFFIT VENTS	2.89	2.41	3.75	51.72				0	60.00
TOTAL (MIN)	4.82	4.82	7.25	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

PROJECT #
21-2867-LH

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.

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S-3.1

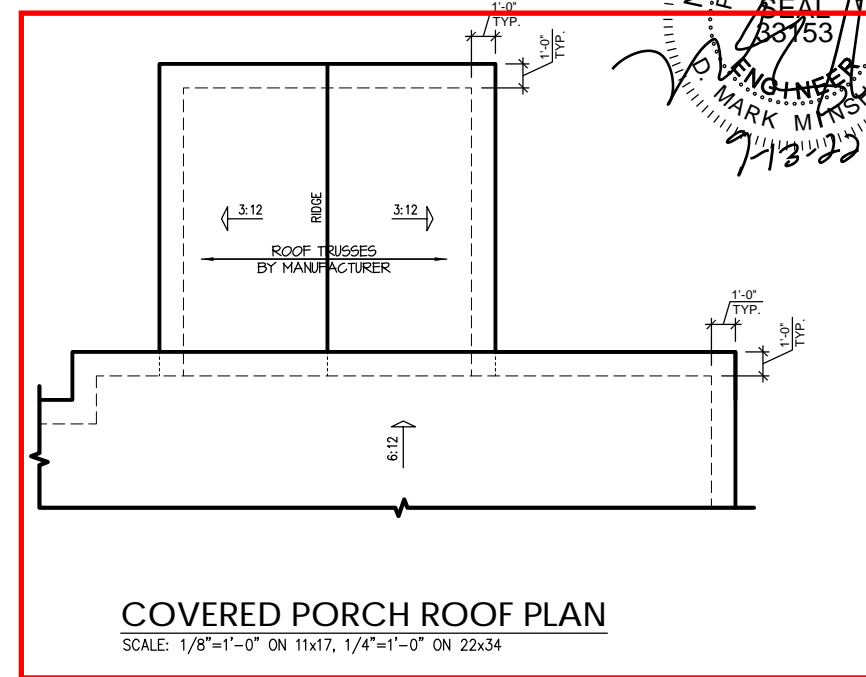
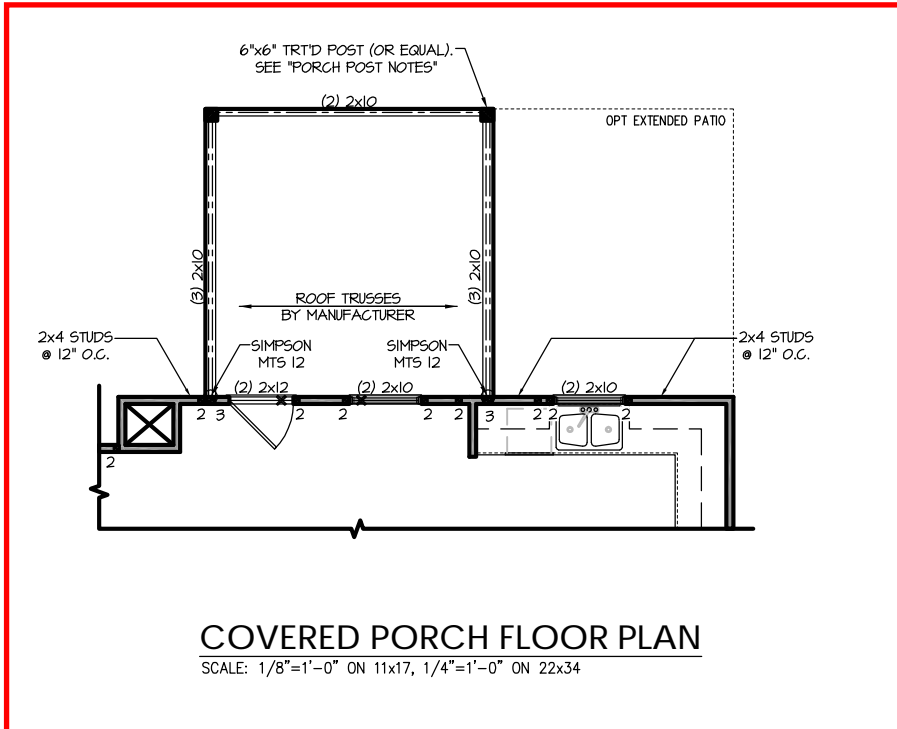
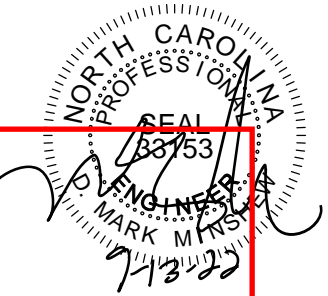
REFER TO "SD" SHEET(S) FOR STANDARD DETAILS, BRACING DETAILS AND STRUCTURAL NOTES.

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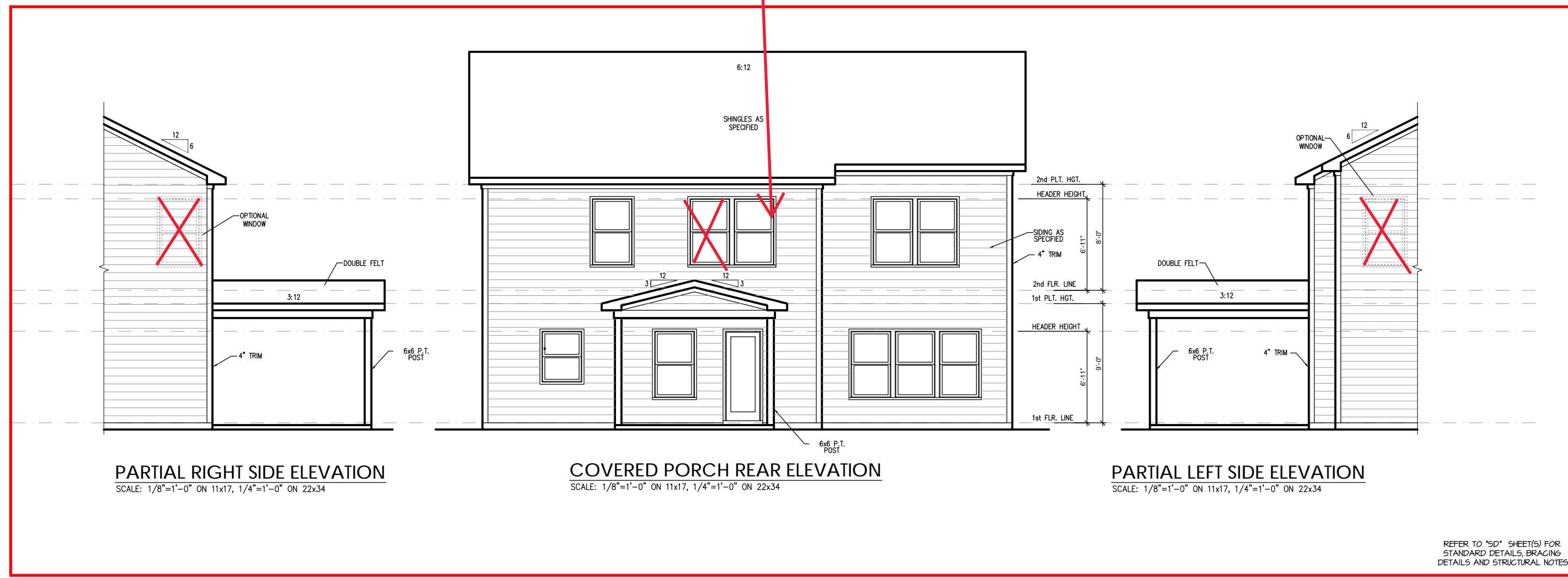
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Single Window - no Twin per
Opt. Bedroom 4 - 2nd Floor
Single Window Spacing
Page 2.2.1a



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