

REVISION:001	DATE: 11/22/21
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- ADJUST OPTION SQUARE FOOTAGES TO ACCURATELY SHOW THE DIFFERENCES FROM THE BASE PLAN SQUARE FOOTAGE TOTALS.

REVISION:002	DATE: 12/08/21
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- RELOCATE FRONT DOOR TO ALIGN W/ GARAGE WALL. ADJUST FOUNDATION AND OPTIONS ACCORDINGLY.
- ADD WALL & DOOR AT FOYER FOR OPTIONAL SMART DOOR DELIVERY CENTER.
- NOTE DOOR INTO MAIN HOUSE W/ OPTIONAL SMART DOOR DELIVERY CENTER TO BE 3068 3/4 LITE W/ 12" TRANSOM.
- DIMENSION & LOCATE BED #4 CLOSET DOOR 5'-0" FROM EXTERIOR WALL.
- CHANGE DOOR WIDTH FROM 2/6 TO 2/4 @ BATH #3, BED #3 CLOSET, BATH #2, BED #2 CLOSET AND OPT. BED #5.
- FLIP PANTRY SHELVES, DELETE DOOR ACCESSED FROM DROP ZONE & ADD 2/4 DOOR ACCESSED FROM MESSY KITCHEN.
- DIMENSION TO CENTER OF TRIPLE WINDOWS ONLY.
- MAKE ALL STUD POCKETS 4 1/2".
- ADD NOTE AT FIREPLACE FOR A "42"x39" R.O." FOR FIREBOX.
- RELOCATE WALL UNDER STAIR & NOTE @ 36" WALL HT (V.I.F.).
- ADD GOURMET KITCHEN, ALTERNATE KITCHEN AND ALTERNATE GOURMET KITCHEN OPTIONS.
- DELETE 2ND WINDOW NEAREST TO CORNER @ POCKET OFFICE OPTION.
- DELETE OPTIONAL PANTRY DOOR LOCATION.
- CHANGE SIDELOAD GARAGE FRONT WINDOWS FROM 5/0 HT TO 6/0 HT.
- ADD 8" DEEP CHASE BEHIND 2ND FL LINEN CLOSET @ HALL.
- RELOCATE WATER HEATER AT SIDELOAD GARAGE UNDER NEW LINEN CLOSET CHASE.
- DECREASE DEPTH OF CHASE BEHIND OWNERS BATH WATER CLOSET TO 10" TO INCREASE WATER CLOSET DEPTH TO 6'-1".
- MOVE OWNERS VANITY WALL UP TO ALLOW ROOM IN LAUNDRY FOR CHASE @ LINEN, OPT 30" CAB W/ OPT L.T. AND WASHER/DRYER.
- ADD PULL DOWN STAIR IN LAUNDRY. NOTE "25 1/2" X 54 1/2" R.O."
- ADD 18"x24" CHASE IN OWNERS MIC CLOSET @ SHOWER WALL.
- MAKE BATH#2 VANITY 60".
- MAKE MIC @ BED#2 5'-4" DEEP, ADDING 3" TO BATH #2.
- MOVE BATH#2 TOILET, TUB AND WINDOW 3" TOWARD FRONT OF HOUSE.
- MAKE WINDOW IN BED #2 CLOSET TEMPERED.

REVISION:003	DATE: 2/4/2022
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- DIMENSION TRIPLE STUD POCKETS
- RELOCATE ISLAND PER REDLINES.
- REMOVE WINDOW IN MESSY KITCHEN
- FULL HEIGHT WALL AT END OF CABINETS ON GARAGE ADJACENT WALL.
- REMOVE UNDER-COUNTER SIDE WALLS IN ISLAND.
- SHOW AND CALL OUT DROP ZONE BENCH AS 18" DEEP.
- VERIFY CASED OPENINGS ARE 3/0x8/8 ON 1ST FLOOR.
- ELIMINATE ALT KITCHEN
- MATCH BASE PLAN LOCATION FOR WATER HEATER IN SIDE LOAD GARAGE.
- 3/4 LITE ENTRY DOOR.
- CREATE SHOWER OPTION WITH 18" SEAT.
- RESIZE STANDARD SHOWER TO 60X36. EXTEND FULL HEIGHT WALL AT STANDARD SHOWER.
- ADD 2X6 WALL JUST INSIDE EXTERIOR WALL FOR OPT. SUPER SHOWER W/ OPT. 2ND FLOOR.
- ALL LINEN CALLED OUT AS (4) SHELVES.
- POCKET DOORS CHANGE TO STANDARD 2/4 IN OWNER'S MIC TO LAUNDRY.
- EXTEND REAR PORCH 6" SO BEAM BEARS ON CAFE WALL.
- CHANGE COLUMNS TO 6X6 P.T. WITH 1X WRAP FOR TRADITIONAL ELEVATION.
- CHANGE REAR PORCH COLUMNS TO 6X6 P.T. POST, NO WRAP.
- CHANGE ENTRY DOOR TO 3/4 LITE
- EXTEND PORCH SLAB 4" AT FRONT AND EXTEND AROUND CORNER 20" TO SUPPORT STONE VENEER.
- REMOVED HALF WALLS AT KITCHEN ISLAND AND UPDATED PER CABINET PROVIDER
- CHANGED THE BASE OWNER'S BATH WINDOW TO 4010
- CHANGED THE OWNER'S BATH OPTION SHOWER W/18" SEAT WINDOW TO 4010
- CHANGED THE OWNER'S BATH OPTION SUPER SHOWER WINDOWS TO (2)3010
- CHANGED THE OPTION 2ND FLOOR OWNER'S BATH WINDOW TO 4010
- CHANGED THE OPTION 2ND FLOOR OWNER'S BATH OPTION SUPER SHOWER WINDOWS TO (2)3010
- CHANGED 2ND FLOOR WINDOW OVER PORCH TO BE 2040 ALL ELEVATIONS
- UPDATED THE WINDOW HEADER AT THE STAIR LANDING TO BE 8'-10" ABOVE LANDING
- RE-CENTERED GEORGIAN PORCH TO BE CENTERED ON THE WINDOW ABOVE
- ADDED AN EXTENDED PORCH OPTION TO THE TRADITIONAL ELEVATION ONLY

REVISION:004	DATE: 3/30/2022
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- CHANGED 2ND FLOOR WINDOW OVER PORCH TO BE 2040 ALL ELEVATIONS
- UPDATED THE WINDOW HEADER AT THE STAIR LANDING TO BE 8'-10" ABOVE LANDING
- CHANGED SIZE OF GEORGIAN PORCH TO BE CENTERED ON THE WINDOW ABOVE
- CHANGED STYLE OF GEORGIAN COLUMNS FROM ROUND TO SQUARE
- ADDED AN EXTENDED PORCH OPTION TO THE TRADITIONAL ELEVATION ONLY
- ADDED ELECTRICAL PLAN SHEETS

REVISION:005	DATE: 7/22/2022
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- ADD STEM WALL SLAB FOUNDATION SHEETS.
- ADD "STEM WALL" TO CRAWL ELEVATION TITLES AND ADD NOTE "SEE FOUNDATION PAGES FOR FOUNDATION TYPE". UPDATE SHEET TITLES

REVISION:006	DATE: 1/2/2023
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- ADD THIRD CAR GARAGE OPTION MODIFYING THE 2 CAR GARAGE AND BEDROOM #2, ELEVATIONS.

REVISION:007	DATE: 11/28/2023
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- ADD 6" TO THE SIDE OF THE PATIO/DECK/COVERED PORCH TO THE BEAM FOR THE ROOF OF THE COVERED PORCH HAS A BEARING POINT.

Lot 194 - Ballard Road  
1931 Ballard Road  
Fuquay-Varina, NC 27526

NEW HOME INC.



Side Load Garage

Total Heated: 2,710 Sq Ft  
Total Unheated: 774 Sq Ft

# The Selma - LH

## 'ENGLISH COUNTRY'

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)
1.2.2	Foundation Third Car Garage Option
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
2.2.2	Third Car Garage Floor Plan Option
2.4	Covered Porch Plans & Elevations (Slab)
2.4.1	Covered Porch Plans & Elevations (Crawl/Stem Wall)
2.5	Side Load Garage Elevations (Slab)
2.5.1	Side Load Garage Elevations (Crawl/ Stem Wall)
2.6	Third Car Garage Right & Front Elevations (Crawl/ Slab)
2.6.1	Third Car Garage Left & Rear Elevations ( Crawl/ Slab)
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
5.1.1	First Floor Options Electrical
5.2	Second Floor Electrical
5.2.1	Second Floor Options Electrical
5.2.2	Third Car Garage Option Electrical

'ENGLISH COUNTRY' ELEVATION		
	UNHEATED	HEATED
FIRST FLOOR	0	1194
SECOND FLOOR	0	1452
FRONT PORCH (CRAWL)	149	0
2 CAR GARAGE	415	0
TOTAL UNDER ROOF	3578	
OPTIONS		
	UNHEATED S.F.	HEATED S.F.
OPT. POCKET OFFICE	0	+64
COVERED PATIO/DECK	210	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.

NEW HOME INC.

THE SELMA - LH

Cover Sheet 'English Country'

DRAWN BY:  
South Designs

ISSUE DATE:  
7/1/2021

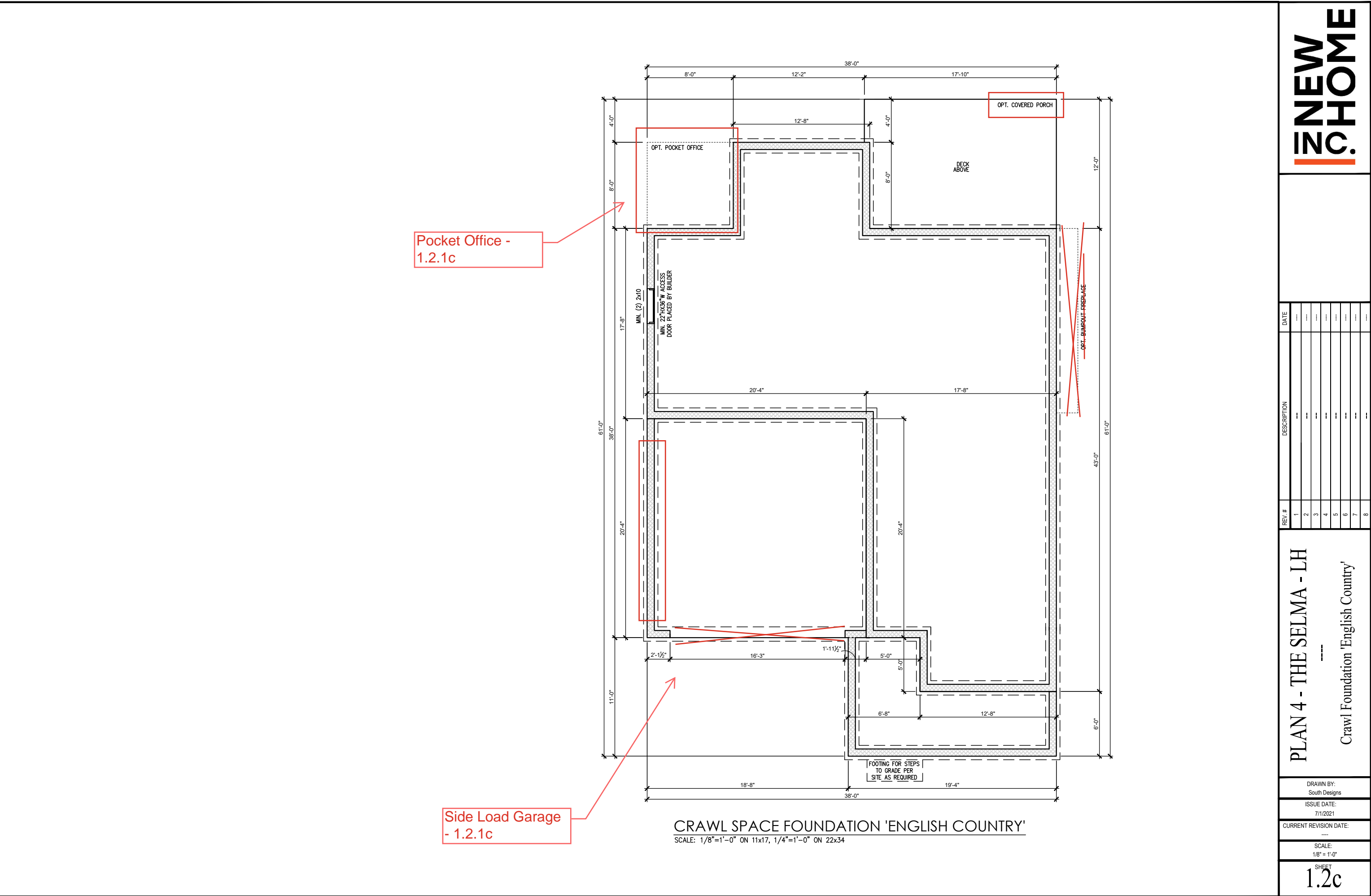
CURRENT REVISION DATE:  
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SCALE:  
1/8" = 1'-0"

SHEET  
0.0c

29-Apr-2025 - Redlines - DD

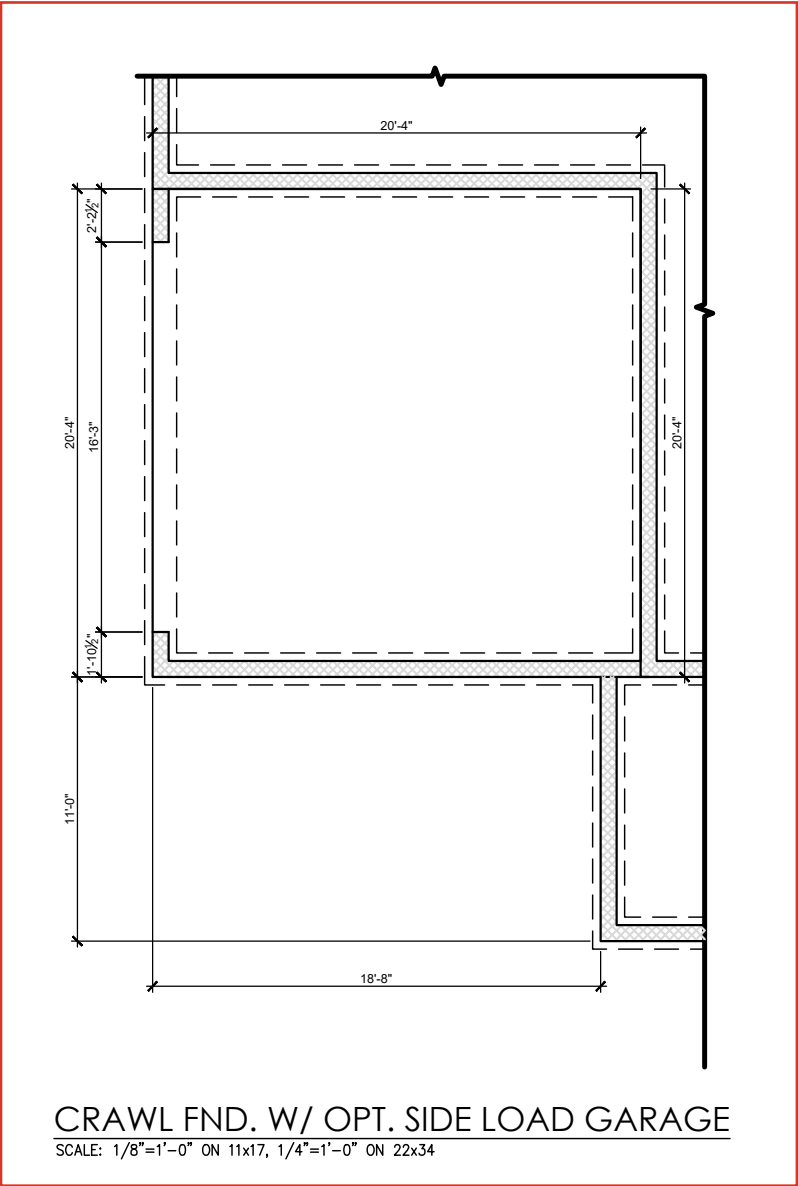
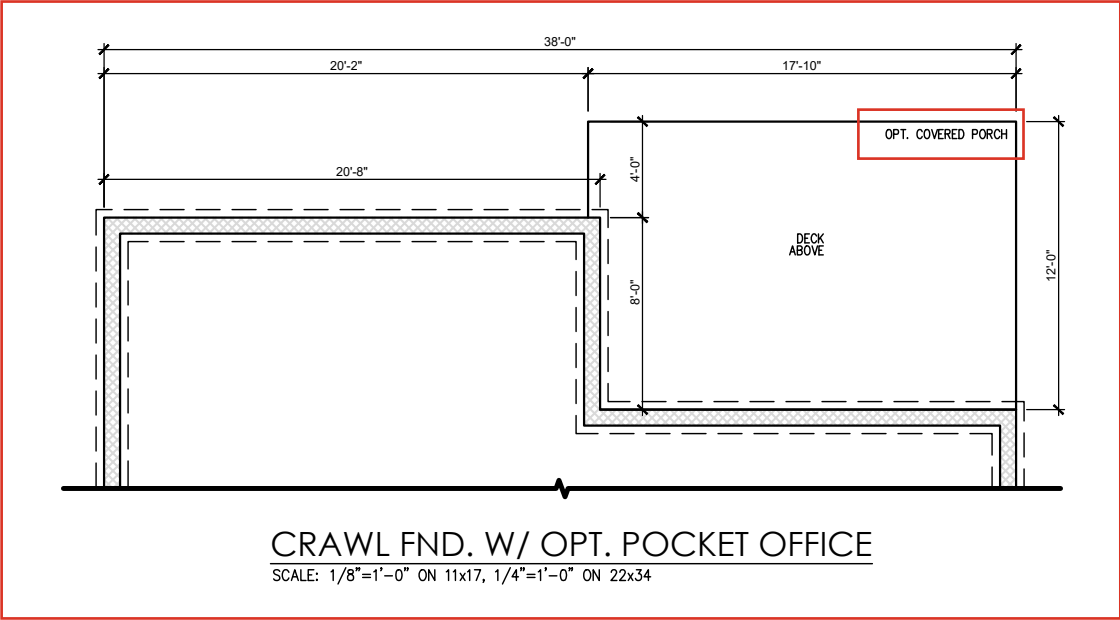
5.22.25 Design upgrades - CW



Pocket Office -  
1.2.1c

Side Load Garage  
- 1.2.1c

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



REV. #	DESCRIPTION	DATE
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General Floor Plan Notes

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

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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.
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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.
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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. 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.
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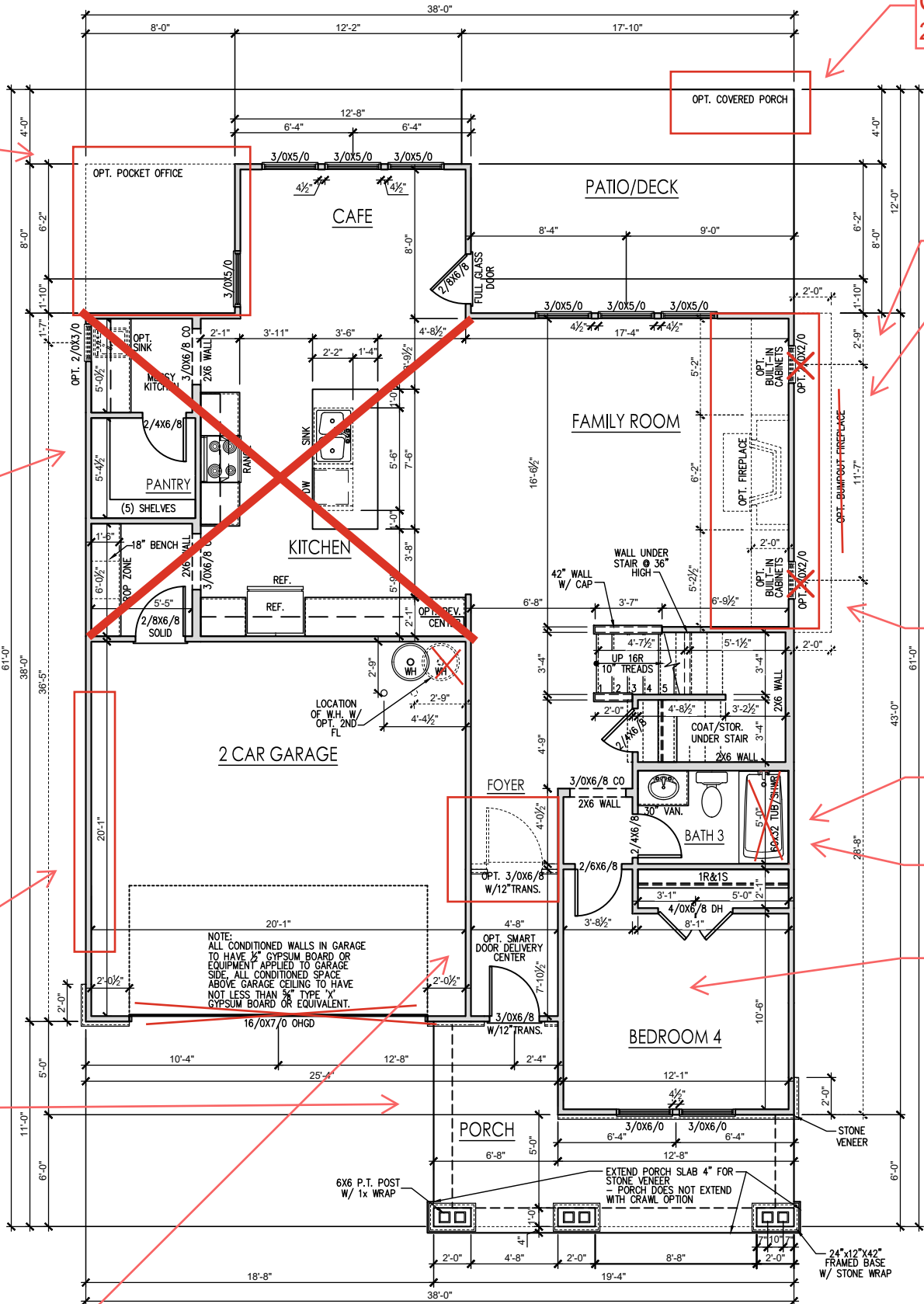
Pocket Office - 2.1.1c

Gourmet Kitchen - 2.1.1c

Side Load Garage - 2.1.1c

Hose bib in corner

Smart Door Delivery - 2.1.1c



Covered Porch - 2.4.1c

Hose bib on corner of home

Floor to ceiling built-ins

Interior Fireplace - 2.1.1c

Shower ILO Tub/ Shower

tile shower pan ilo of fiberglass

LVP ilo carpet

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

REV. #	DESCRIPTION	DATE
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DRAWN BY:  
South Designs

ISSUE DATE:  
7/1/2021

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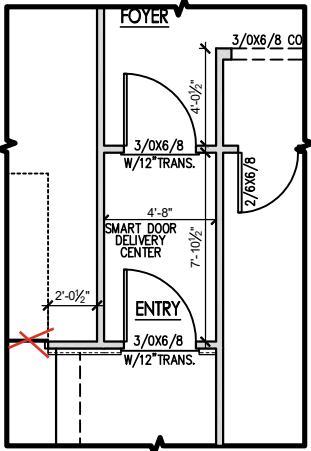
SCALE:  
1/8" = 1'-0"

SHEET  
2.1c

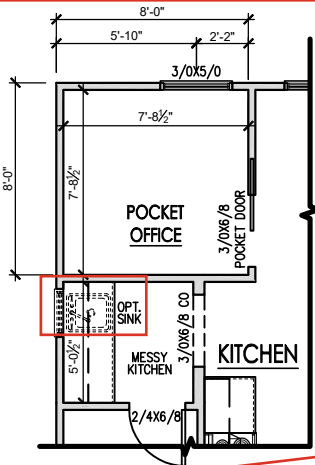
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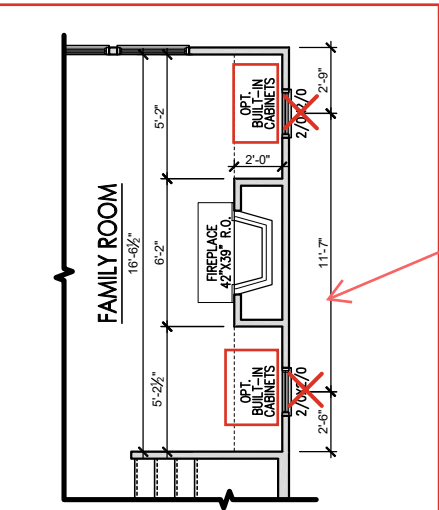
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OPT. SMART DOOR  
SCALE: 1/8"=1'-0" ON 11x17, 1/4"=1'-0" ON 22x34



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



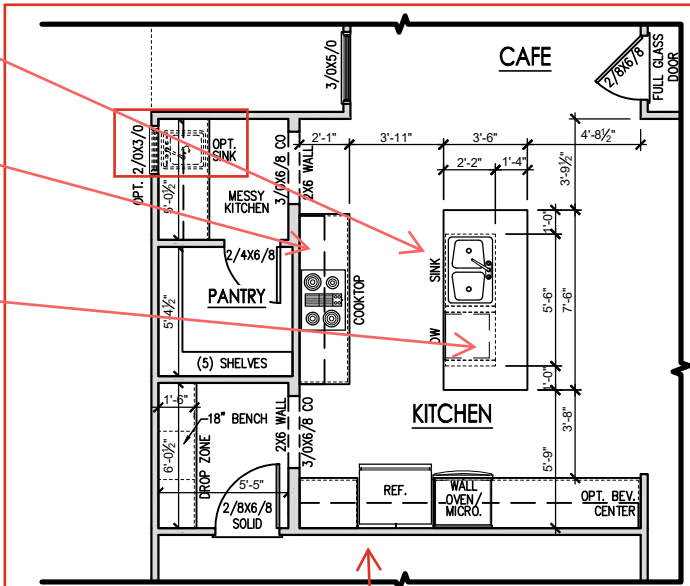
OPT. INTERIOR FIREPLACE  
SCALE: 1/8"=1'-0" ON 11x17, 1/4"=1'-0" ON 22x34

Floor to Ceiling  
Built-ins

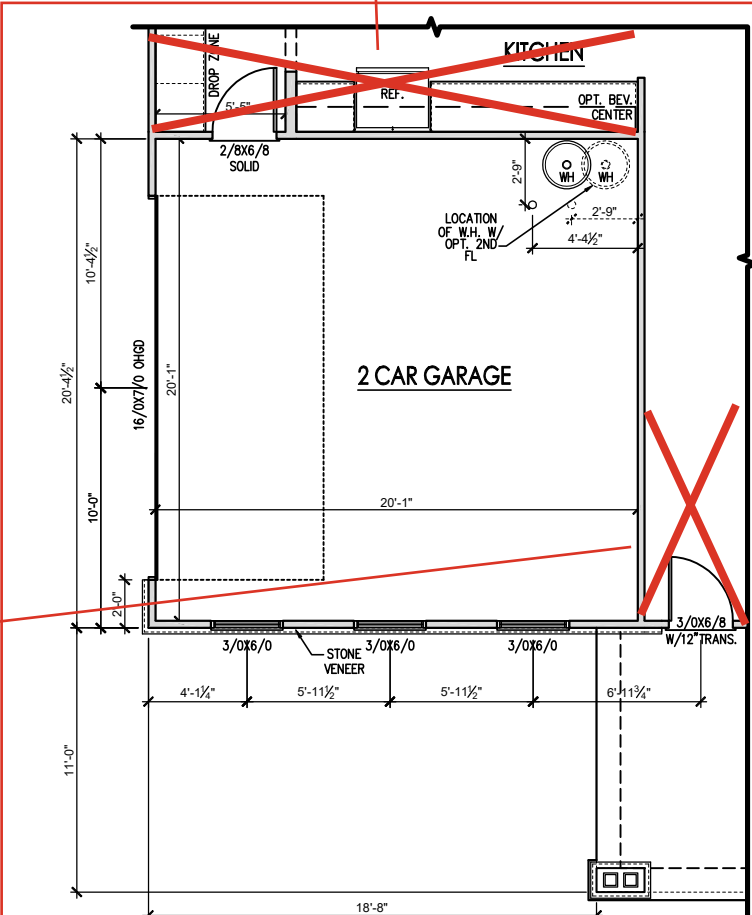
install SS  
farmhouse sink

under cabinet  
lighting

Remove  
countertop  
overhangs/add  
cabinet for trash  
pull out



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



OPT. SIDE LOAD GARAGE  
SCALE: 1/8"=1'-0" ON 11x17, 1/4"=1'-0" ON 22x34

NEW  
INC.

REV #	DESCRIPTION	DATE
1	REFER TO COVER SHEET	11/22/2021
2	REFER TO COVER SHEET	12/08/2021
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PLAN 4 - THE SELMA - LH  
SINGLE FAMILY  
First Floor Plan Options

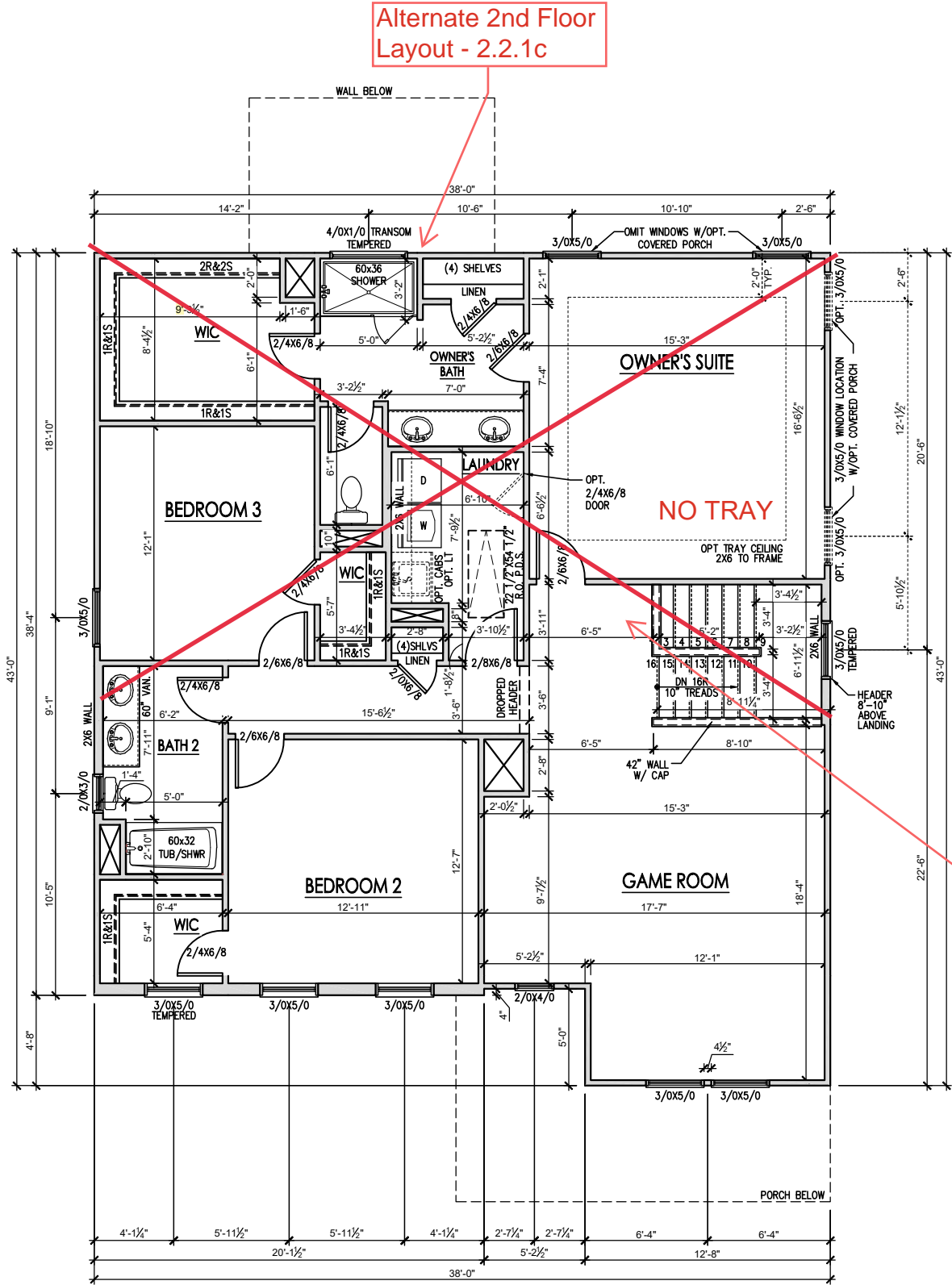
DRAWN BY: South Designs
ISSUE DATE: 07/01/2021
CURRENT REVISION DATE: —
SCALE: 1/8" = 1'-0"
SHEET 2.1.1c



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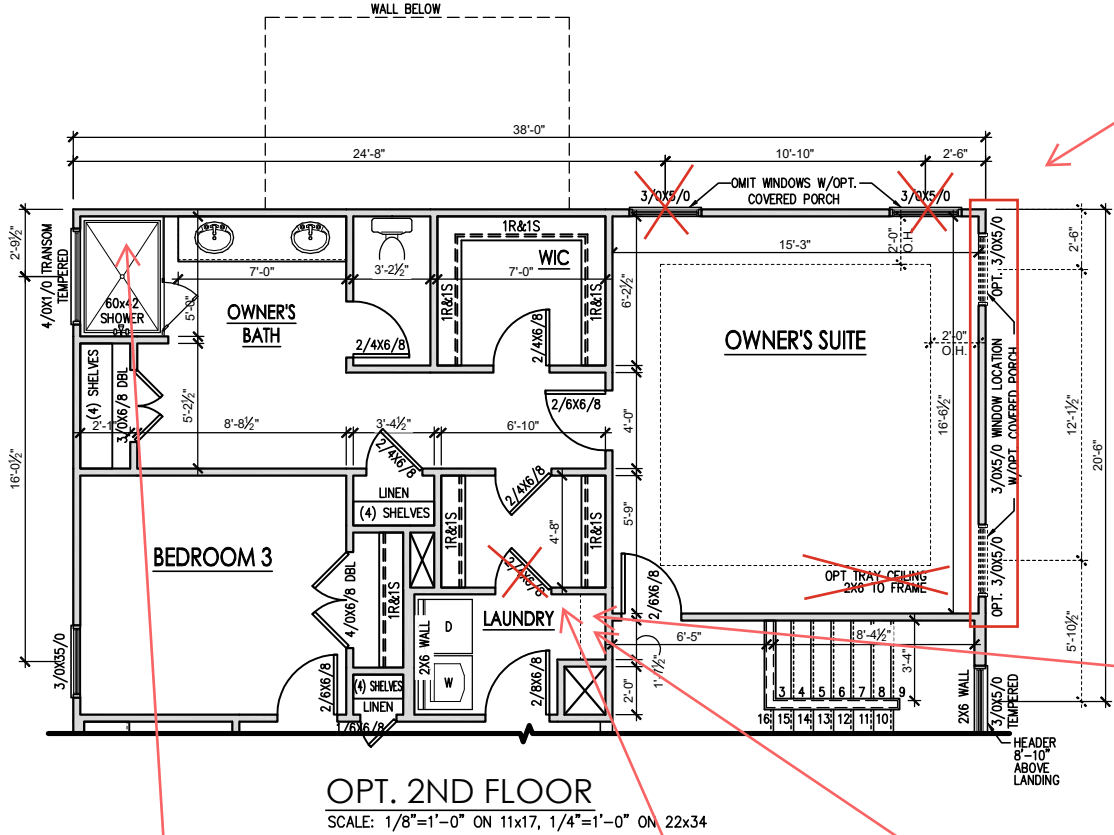
PLAN 4 - THE SELMA - LH  
SINGLE FAMILY  
Second Floor Plan 'English Country'

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

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Windows Move  
Due to Covered  
Porch

Wooden shelf ilo  
wire

Opt. Pocket Door

Laundry Sink

tile shower floor ilo  
of fiberglass pan

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PLAN 4 - THE SELMA - LH  
SINGLE FAMILY  
Second Floor Plan Options

DRAWN BY: South Designs
ISSUE DATE: 07/01/2021
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SCALE: 1/8" = 1'-0"
SHEET 2.2.1c





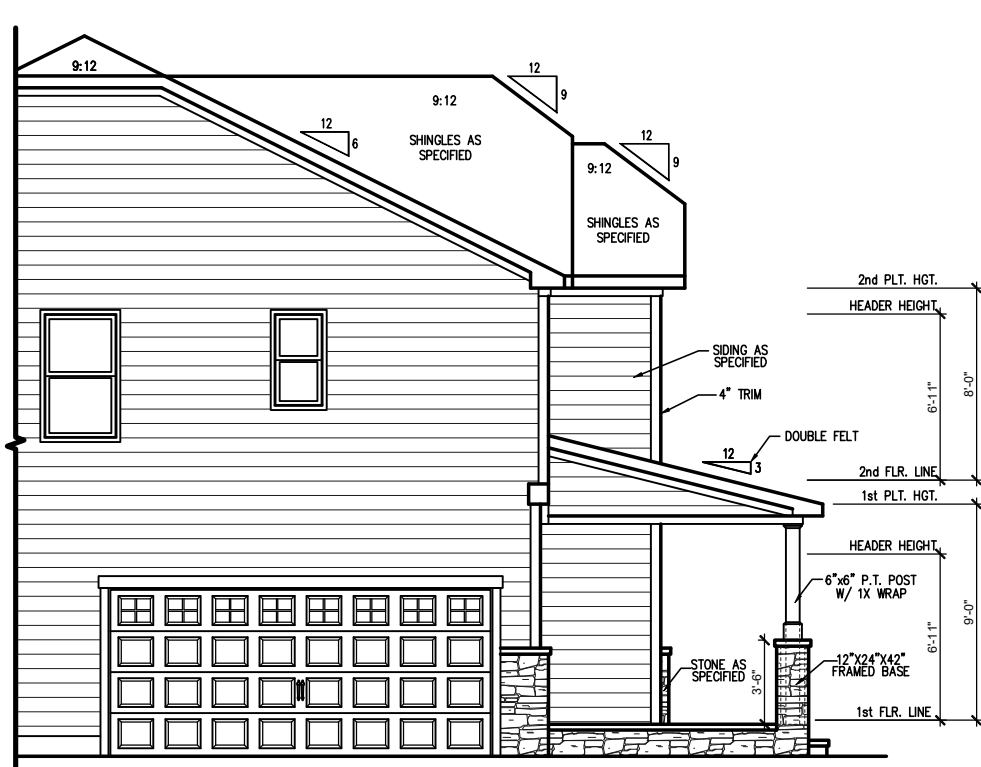
General Elevation Notes

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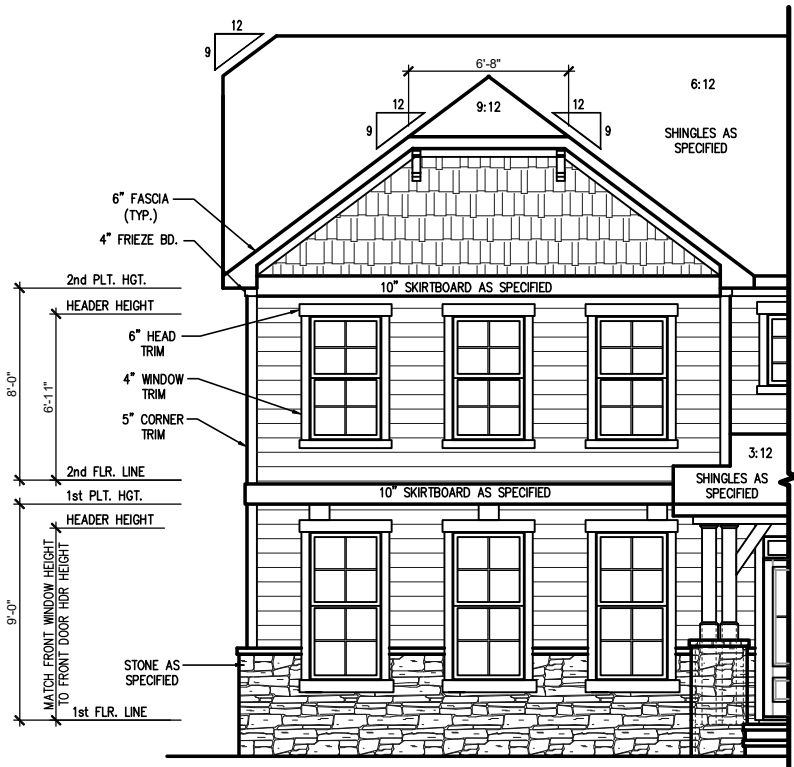
- Roof shall be finished with architectural composition shingles with slopes as noted on plan.
- Ridge Vent shall be provided and installed on all ridges greater than 6' in length per manufacturer's specifications.
- Soffit Vent shall be continuous soffit vent
- House Wrap, "tyvek" or approved equal 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.
- Finish Wall Material shall be as noted on elevation drawings.
- 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.
- 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



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



FRONT 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

REV. #	DESCRIPTION	DATE
1	REFER TO COVER SHEET	11/22/2021
2	REFER TO COVER SHEET	12/08/2021
3	REFER TO COVER SHEET	2/14/2022
4	REFER TO COVER SHEET	3/30/2022
5		
6		
7		
8		

General Elevation Notes

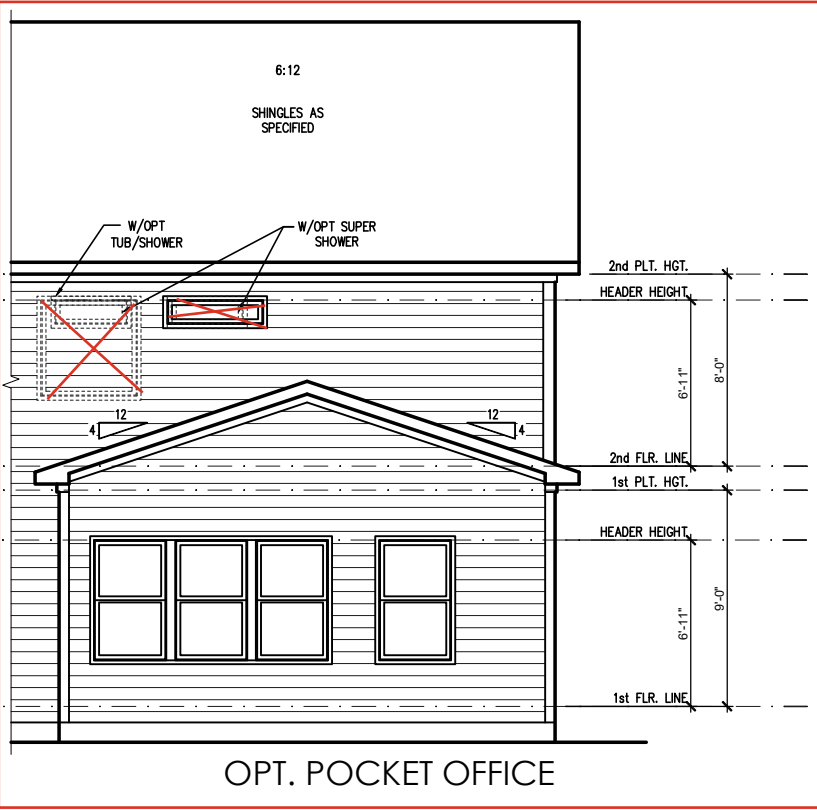
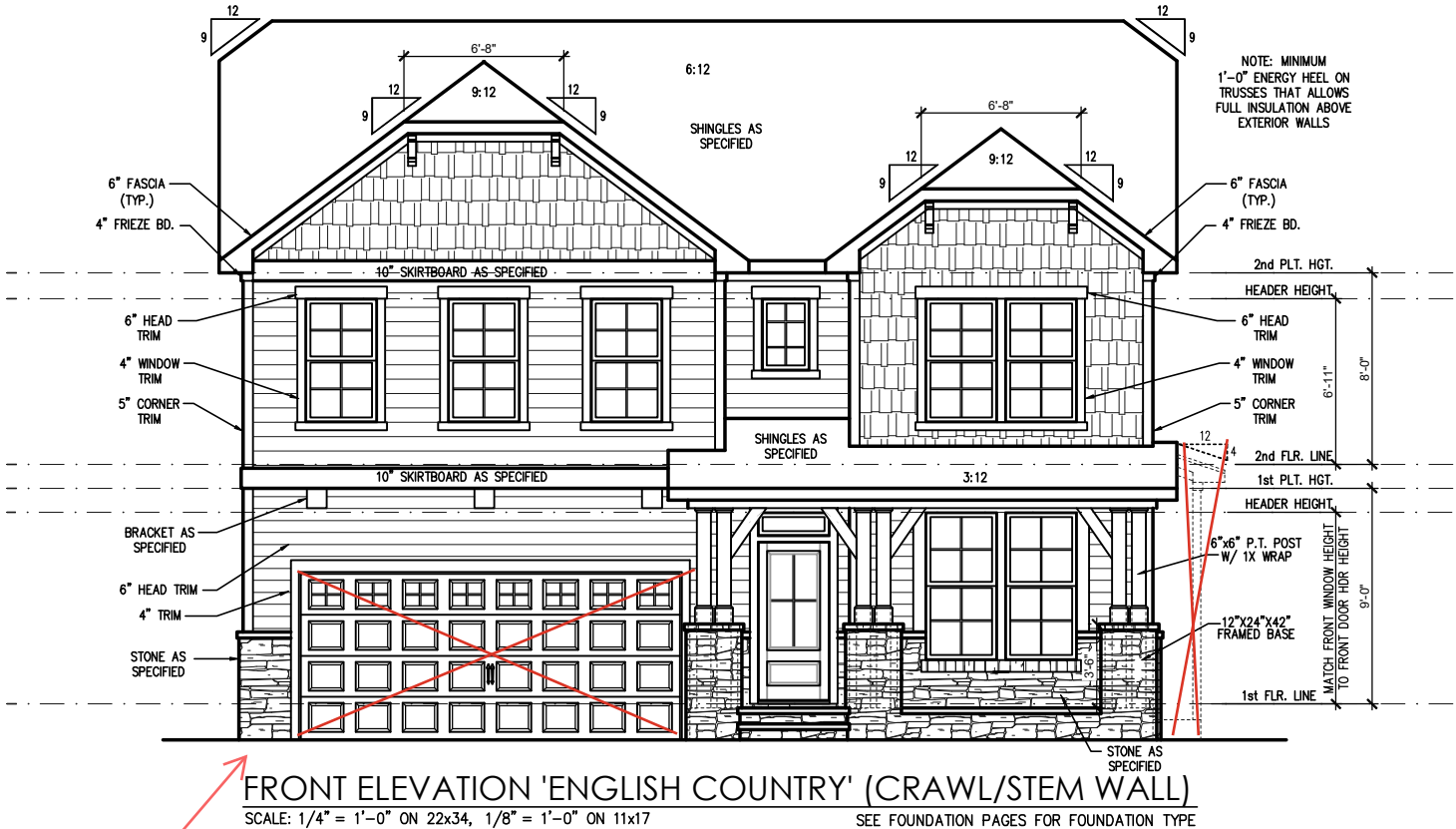
General Elevation Notes shall apply unless noted otherwise on plan.

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

Side Load Garage  
- 2.5.1c



REV. #	DESCRIPTION	DATE
1	REFER TO COVER SHEET	11/22/2021
2	REFER TO COVER SHEET	12/08/2021
3	REFER TO COVER SHEET	2/14/2022
4	REFER TO COVER SHEET	3/30/2022
5		
6		
7		
8		

PLAN 4 - THE SELMA - LH  
SINGLE FAMILY  
Front & Rear Elevations (Crawl or Stem  
Wall) 'English Country'

DRAWN BY: South Designs
ISSUE DATE: 07/01/2021
CURRENT REVISION DATE: ---
SCALE: 1/8" = 1'-0"
SHEET 3.1.1c

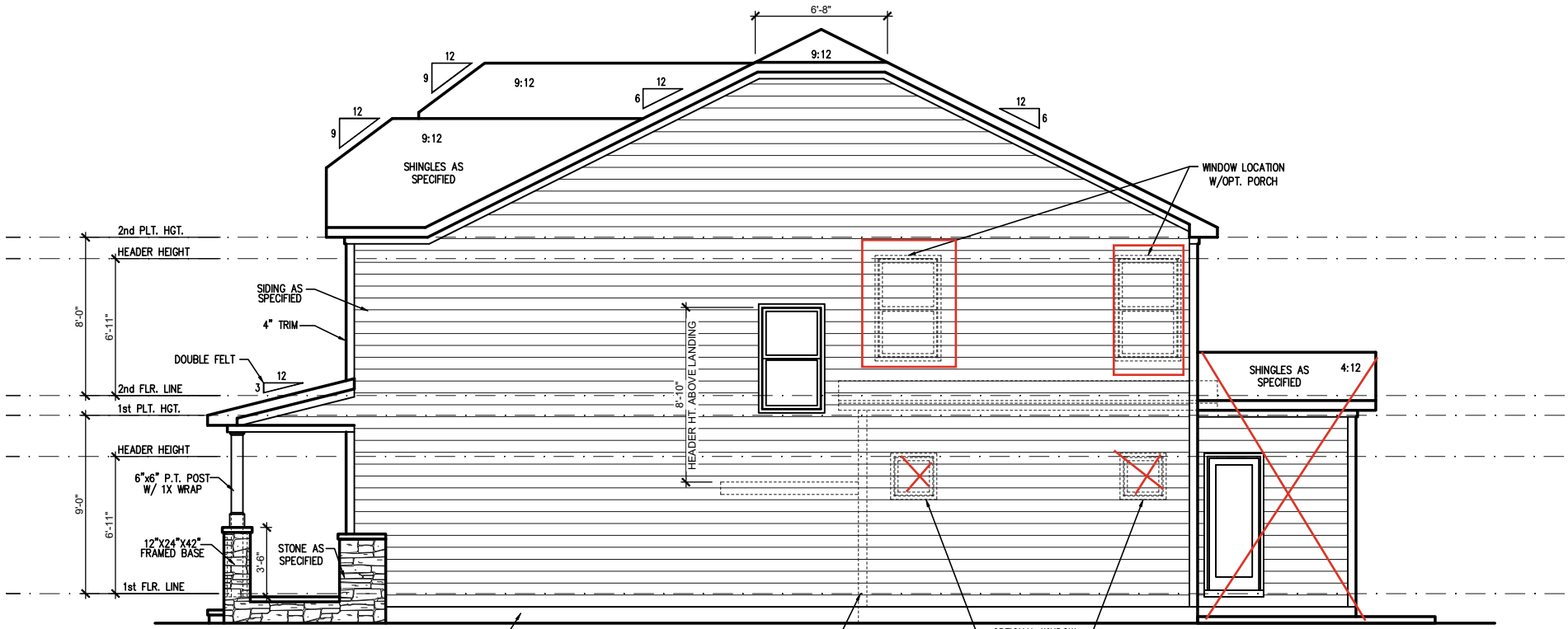
General Elevation Notes

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 4". 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

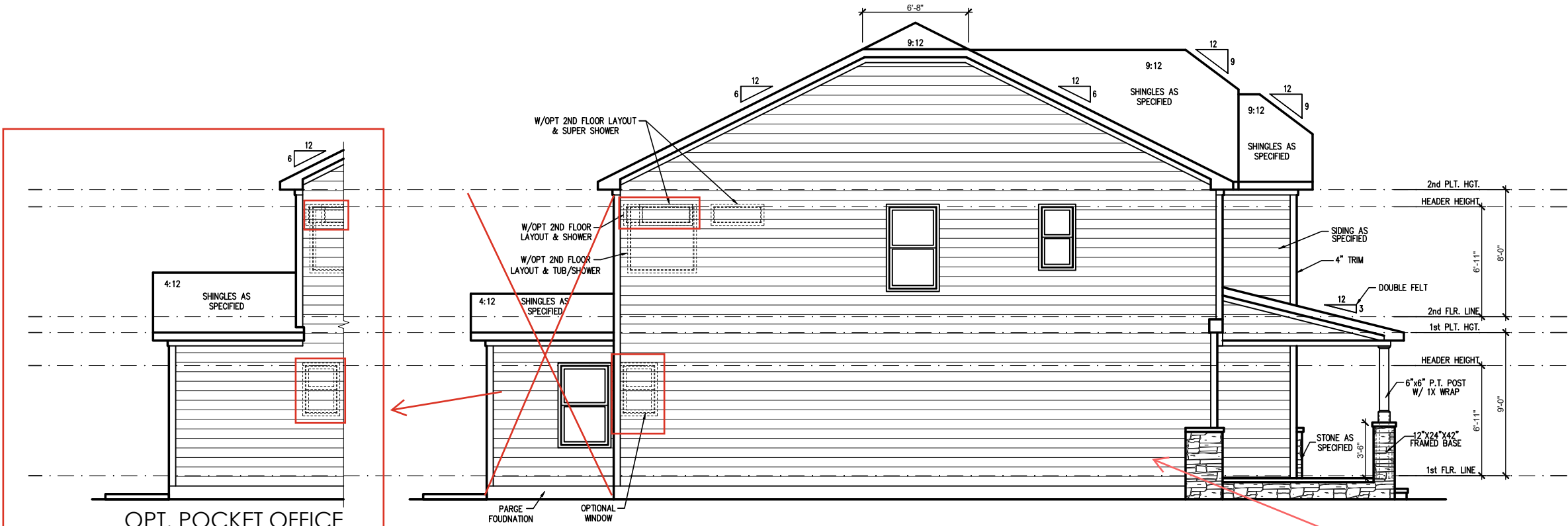


RIGHT SIDE ELEVATION 'ENGLISH COUNTRY' (CRAWL/STEM WALL)

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

SEE FOUNDATION PAGES FOR FOUNDATION TYPE

Covered Porch - 2.4.1c



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

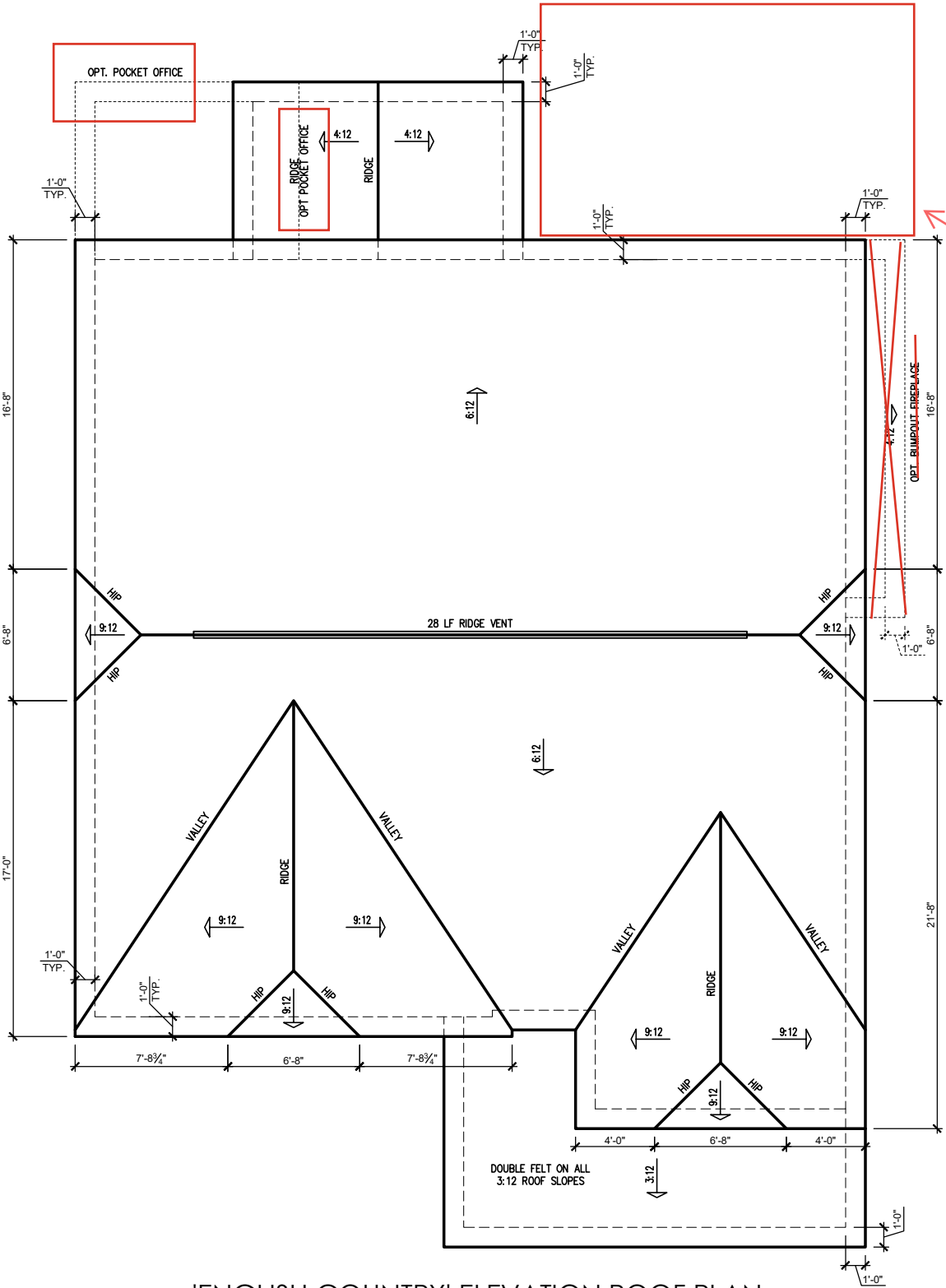
Side Load Garage - 2.5.1c

REV. #	DESCRIPTION	DATE
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2	REFER TO COVER SHEET	12/08/2021
3	REFER TO COVER SHEET	2/14/2022
4	REFER TO COVER SHEET	3/30/2022
5		
6		
7		
8		

DRAWN BY: South Designs
ISSUE DATE: 07/01/2021
CURRENT REVISION DATE: —
SCALE: 1/8" = 1'-0"
SHEET 3.2.1c

ATTIC VENT SCHEDULE								
'ENGLISH COUNTRY' ELEVATION								
MAIN HOUSE		SQ. FTG.	1514	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	2.02	2.52	3.50	48.28	0	28.00		
SOFFIT VENTS	3.03	2.52	3.75	51.72			0	60.00
TOTAL (MIN)	5.05	5.05	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



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

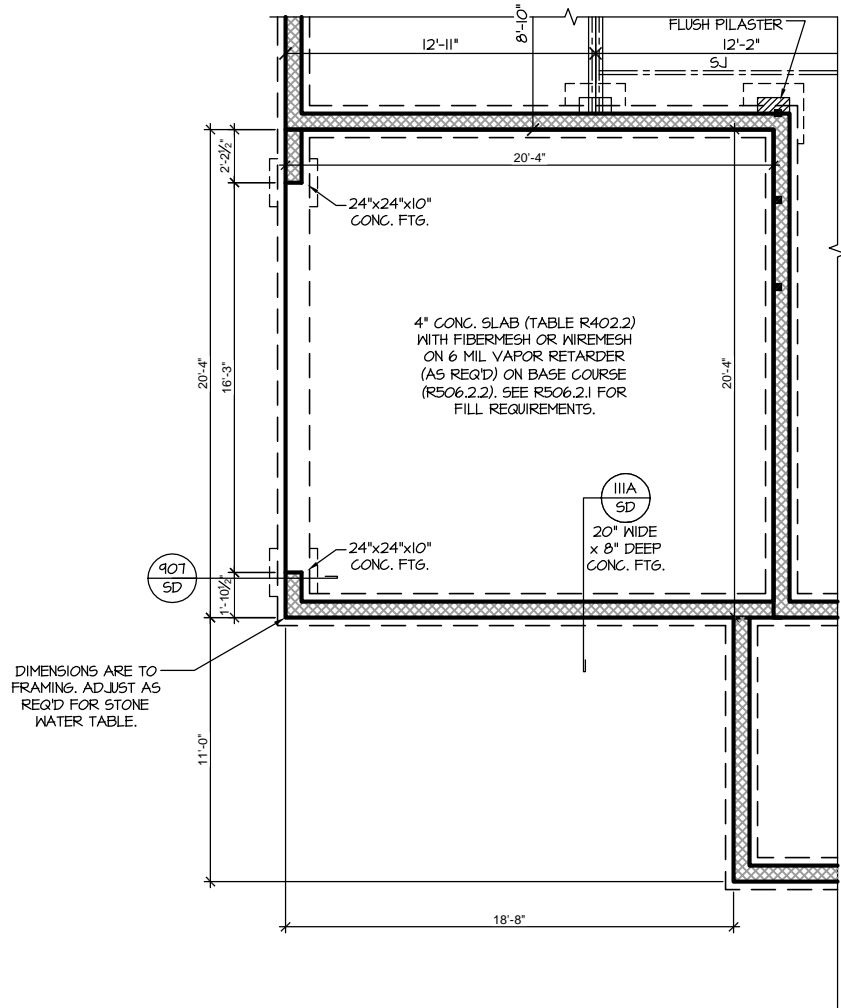


SCALE: 1/8"=1'-0" ON 11x17, 1/4"=1'-0" ON 22x34

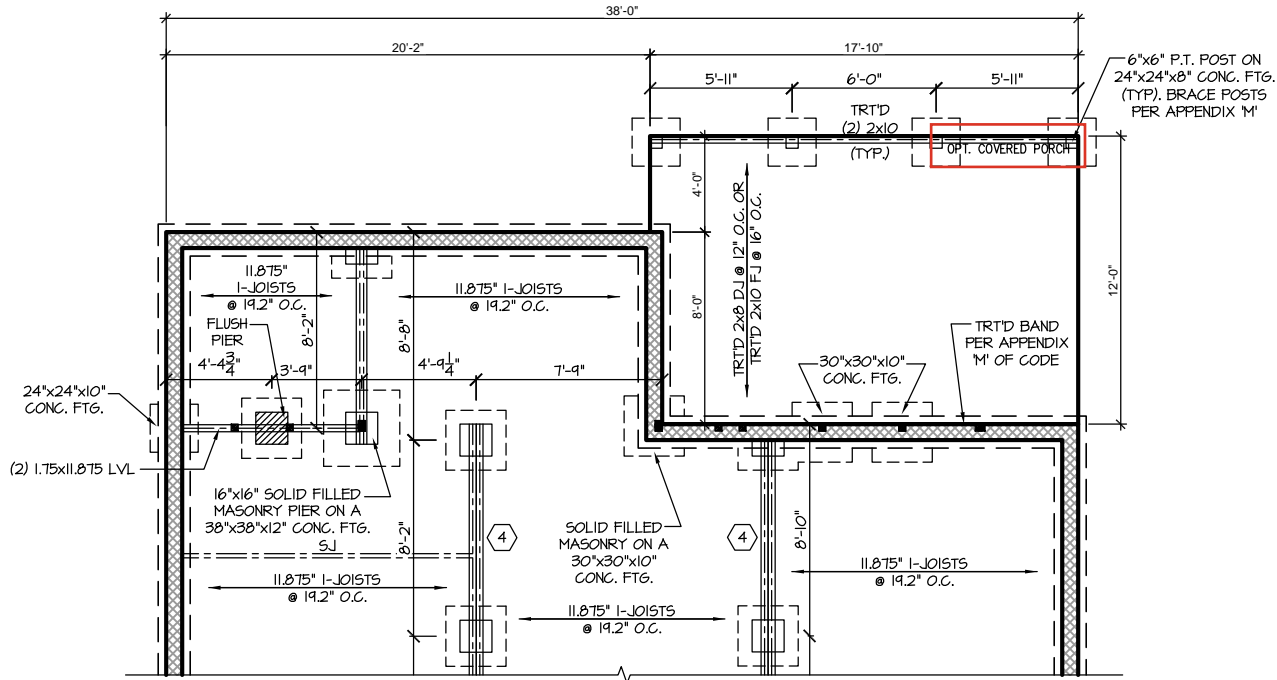
S-1.2

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





**CRAWL FND. W/ OPT. SIDE LOAD GARAGE**  
SCALE: 1/8"=1'-0" ON 11x17, 1/4"=1'-0" ON 22x34



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



PROJECT #  
21-2817-LH

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SOUTH DESIGNS

**The Selma - LH**  
NEW HOME, INC.

S-1.2.1

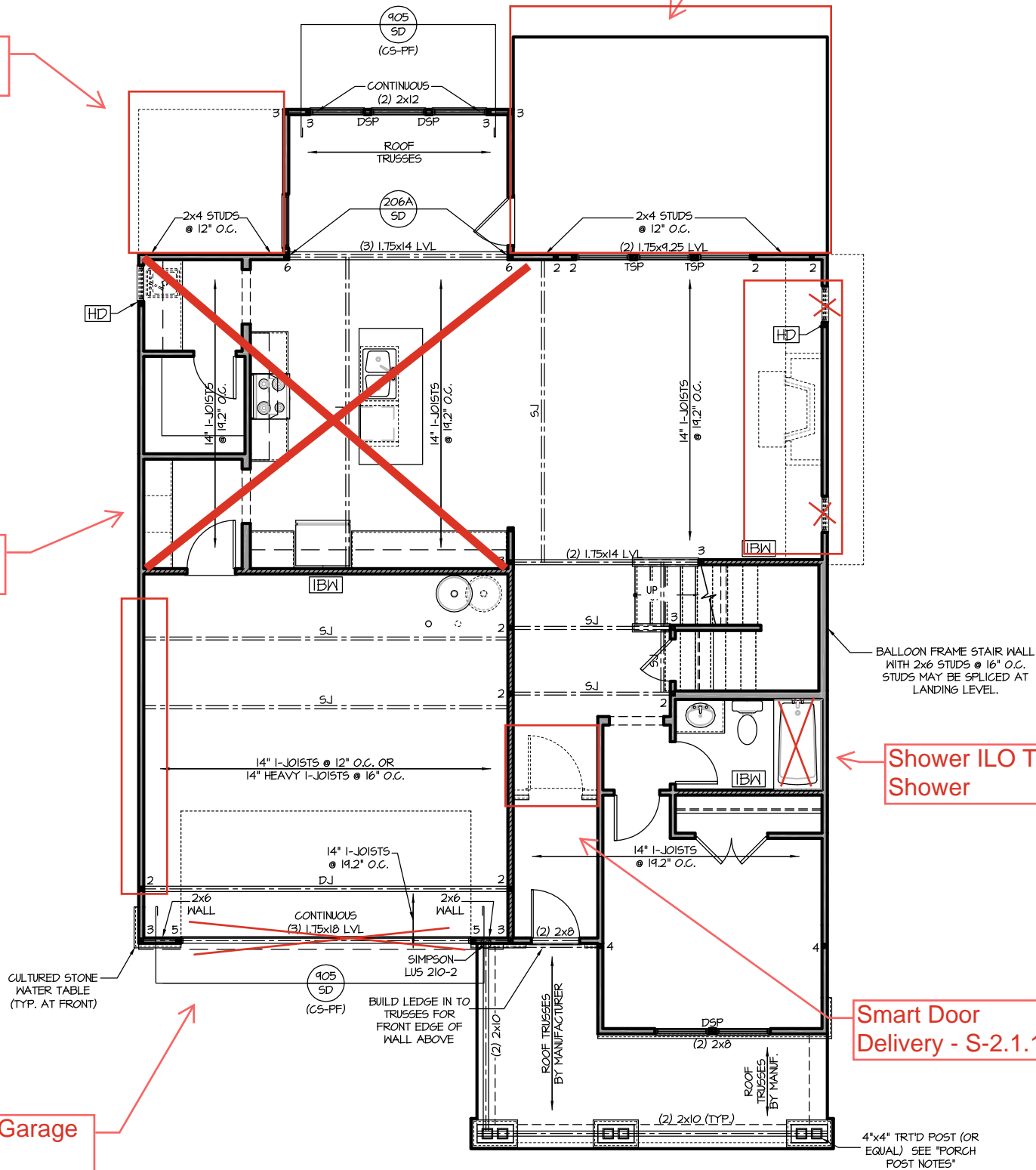
REFER TO "SD" SHEET(S) FOR  
STANDARD DETAILS, BRACING  
DETAILS AND STRUCTURAL NOTES.

Pocket Office -  
S-2.1.1

Gourmet Kitchen -  
S-2.1.1

Side Load Garage -  
S-2.1.1

Covered Porch -  
S-2.4



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

TRUSS SYSTEM REQUIREMENTS

NC (2018 NCRC): 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 SPF #2 OR #3 PLATES OR LEDGERS (NO).
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 1-9-2020:
  - 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 NCRC): 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: 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.
3. WSP SHEATHING SHALL EXTEND TO THE UPPERMOST DOUBLE BEARING PLATE. BLOCK AT ROOF PER SECTION R602.10.4.5 AND ATTACH BRACED WALLS PER CODE. WSP SHEATHING BETWEEN FLOORS SHALL BE SPLICED ALONG CONTINUOUS BAND OR THE WSP SHEATHING MAY BE SPLICED ACROSS STUDS (CONTINUOUS ACROSS FLOOR SYSTEM) WITH BLOCKING AT PANEL EDGES. (MINIMUM 12" BEYOND FLOOR BREAK) OR OTHER APPROVED METHOD.
4. "HD" = HOLD-DOWN: HOLD-DOWN DEVICE (NOTED AS "HD" ON PLANS) SHALL BE AN 800 POUND CAPACITY ASSEMBLY AS NOTED ON PLANS. SEE DETAILS FOR HD ASSEMBLY.
  - \*\*GROUND/FIRST FLOOR: USE "HD HOLD-DOWN DETAIL" ON SD SHEET (OR EQUIV.)
  - \*\*UPPER FLOORS: ATTACH BASE OF KING STUD WITH A SIMPSON CS20 OR CSHF20 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. SEE SECTION R602.10.4.4 OF THE CODE.
6. INTERIOR BRACED WALL-WOOD STRUCTURAL PANEL: (NOTED AS "IBW-WSP" ON PLANS). ATTACH ONE SIDE WITH 3/8" 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" OC ALONG THE EDGES AND AT INTERMEDIATE SUPPORTS. SEE SECTION R602.10.4.4 OF THE CODE.



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
- BLI 40 BY onCENTER

HEAVY 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
- BLI 65 BY onCENTER

- 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.

PORCH POST NOTES:

- 4"x4" (6"x6") TRTD POST (OR EQUAL).
- ATTACH TRUSSES (RAFTERS) AT PORCH WITH HURRICANE CONNECTORS.
- 1. POST GAP: SIMPSON AC4-MAX (AC6-MAX)
- 2. POST GAP 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: THE ABOVE CONNECTORS ARE SUGGESTIONS. EQUIVALENT CONNECTORS THAT MEET THE REQUIREMENTS OF THE NC RESIDENTIAL BUILDING CODE, LOCAL CODES, AND/OR ARE APPROVED BY THE BUILDING INSPECTOR MAY BE SUBSTITUTED.

PROJECT #  
21-2817-LH

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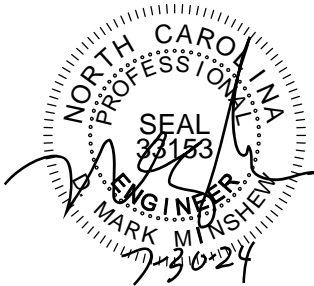
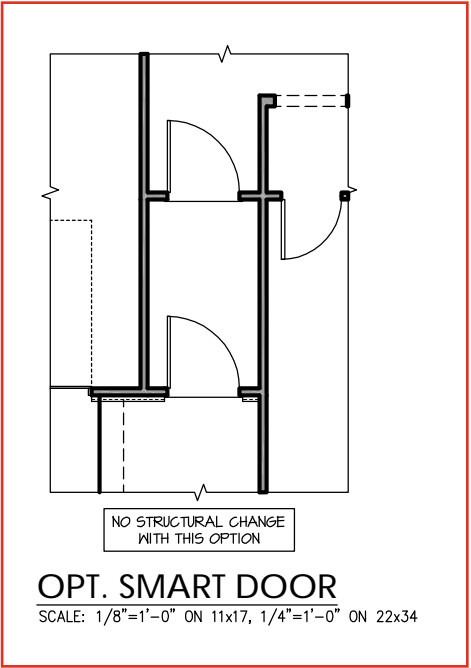
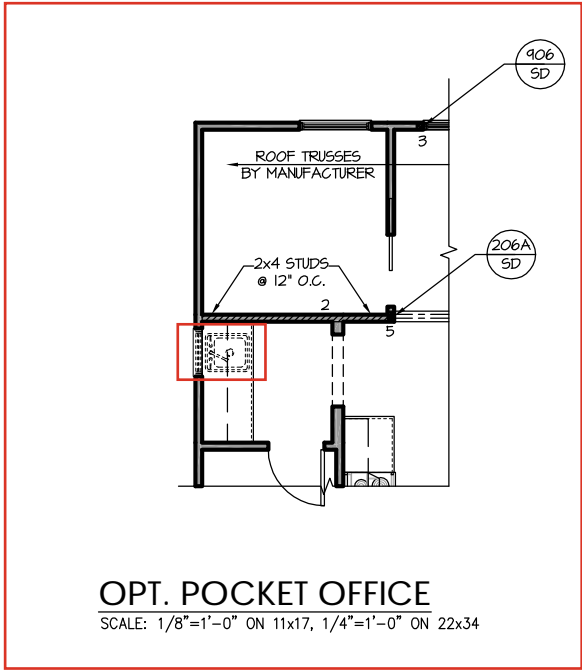
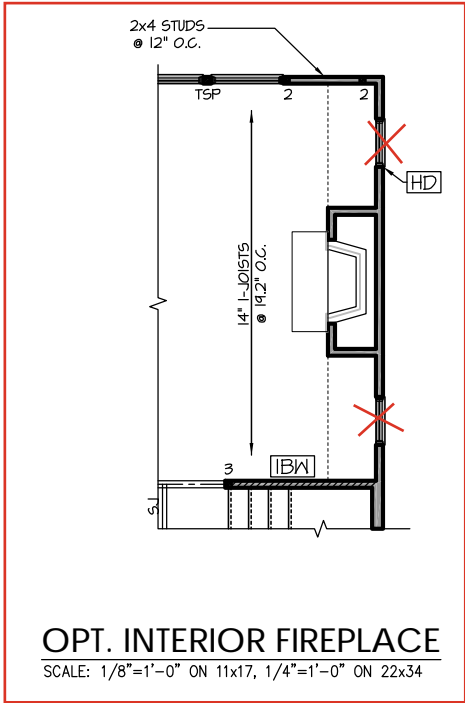
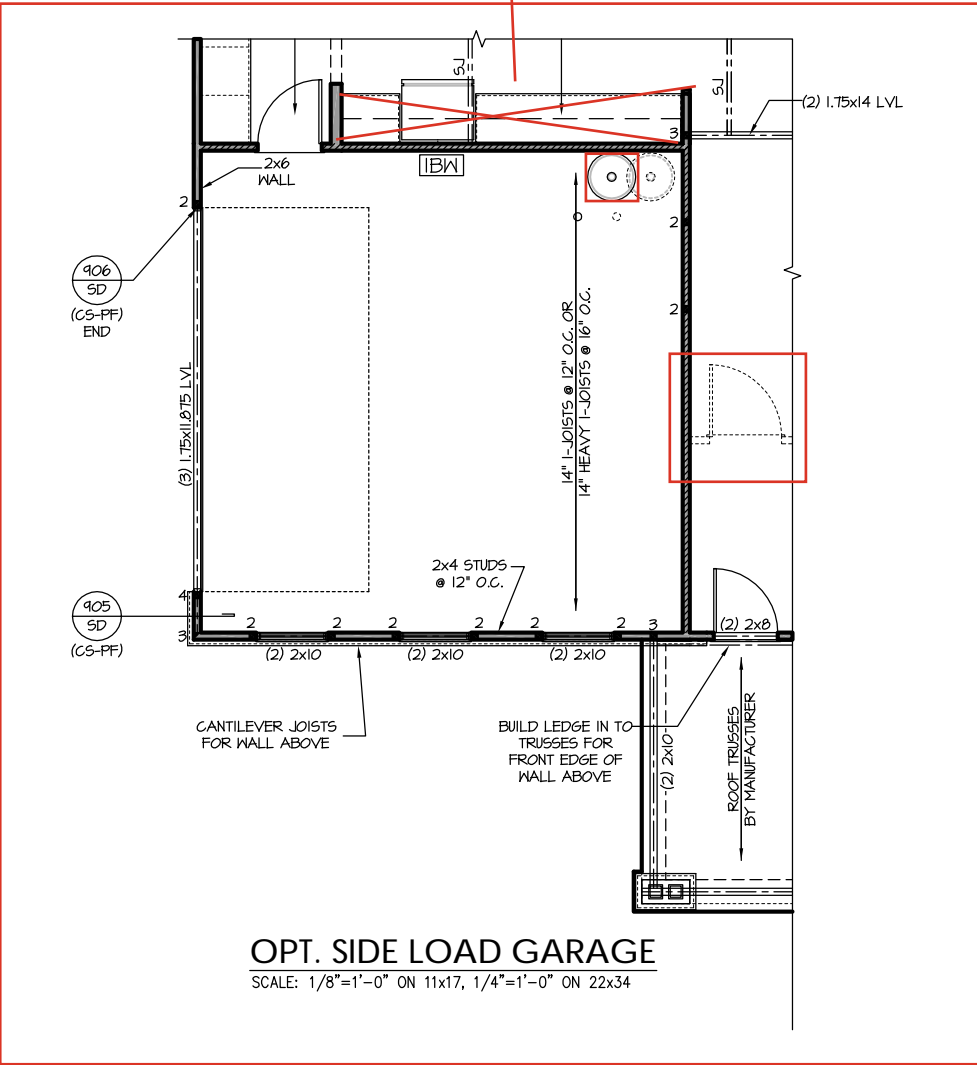
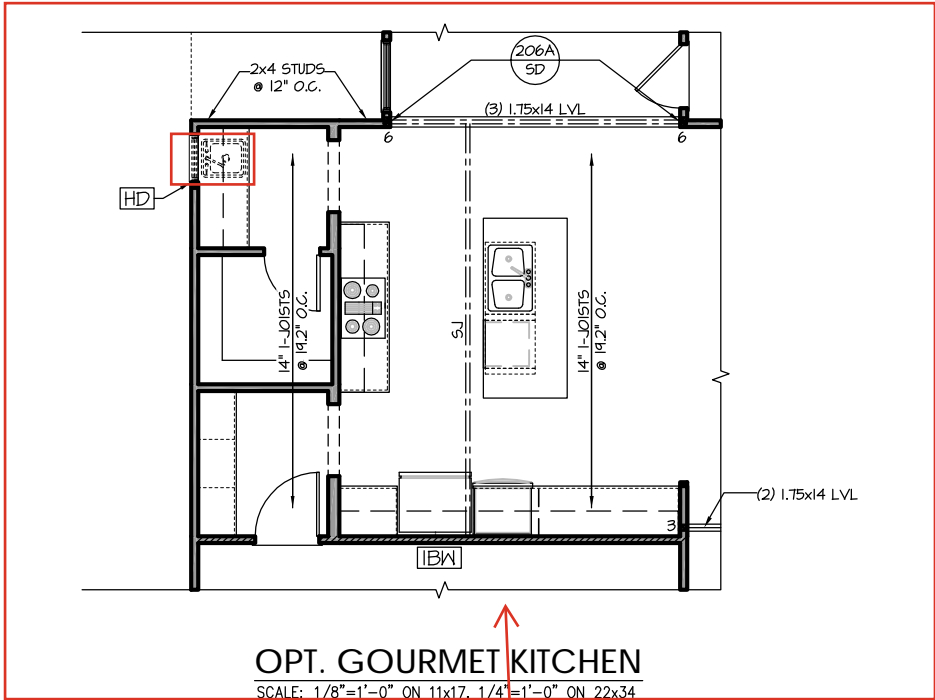
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SOUTH DESIGNS

The Selma - LH  
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S-2.1

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



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**PROJECT #**  
21-2817-LH

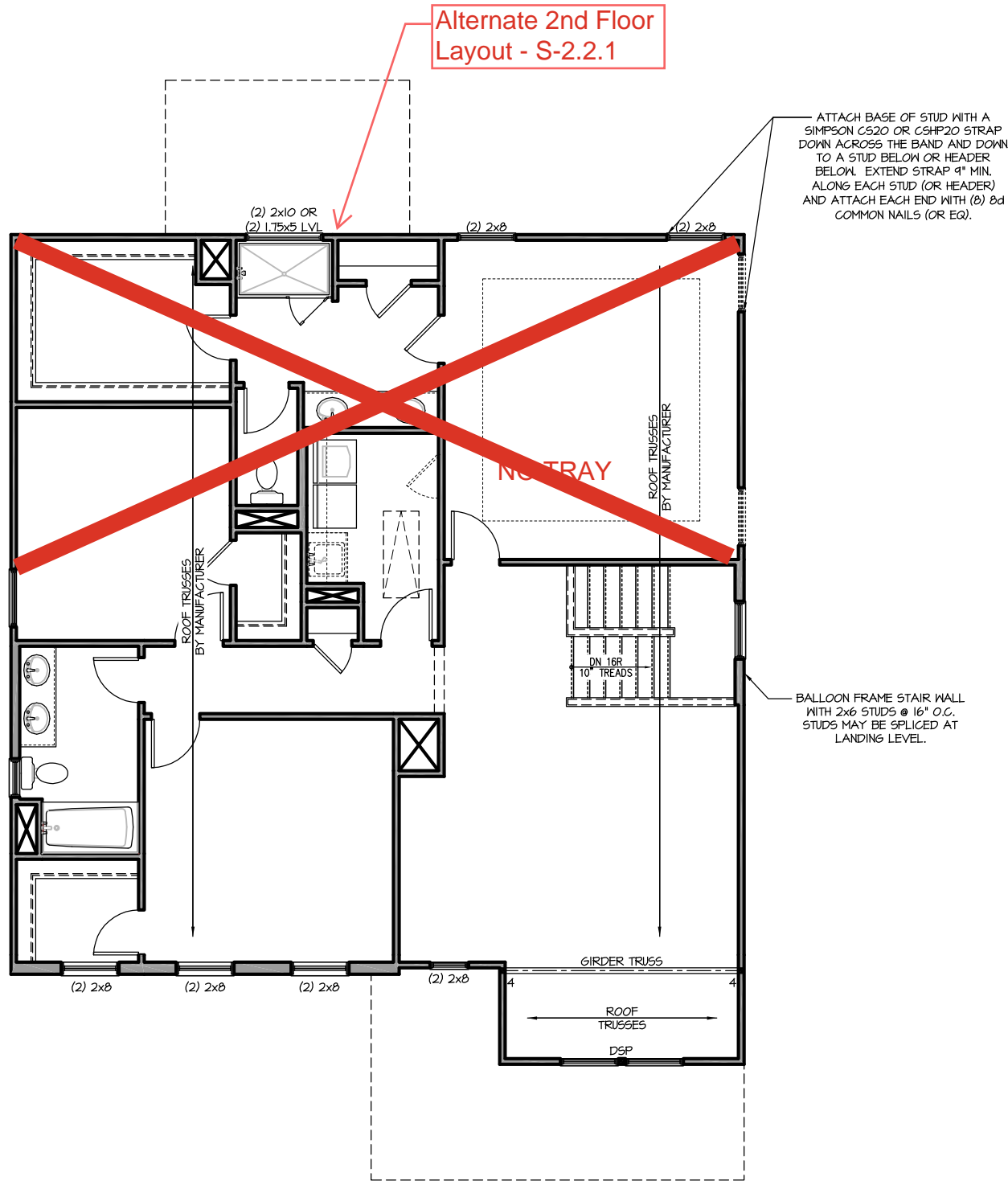
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**SOUTH DESIGNS**

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NEW HOME, INC.

**S-2.1.1**



SECOND FLOOR PLAN 'ENGLISH COUNTRY'

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

TRUSS SYSTEM REQUIREMENTS

NC (2018 NCRG); 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 SPF #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.

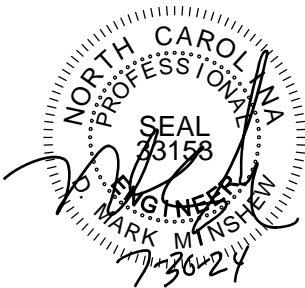
HEADER/BEAM & COLUMN NOTES

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 1-9-2020:
  - 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 NCRG); Wind: 115-120 mph

1. BRACING METHOD AND TYPE: CONTINUOUSLY SHEATHED WSP: GS-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 CS20 OR CSH20 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. SEE SECTION R602.10.4.4 OF THE CODE.
6. INTERIOR BRACED WALL-WOOD STRUCTURAL PANEL: (NOTED AS "IBW-WSP" ON PLANS). ATTACH ONE SIDE WITH 1/8" 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" OC ALONG THE EDGES AND AT INTERMEDIATE SUPPORTS. SEE SECTION R602.10.4.4 OF THE CODE.



PROJECT #  
21-2817-LH

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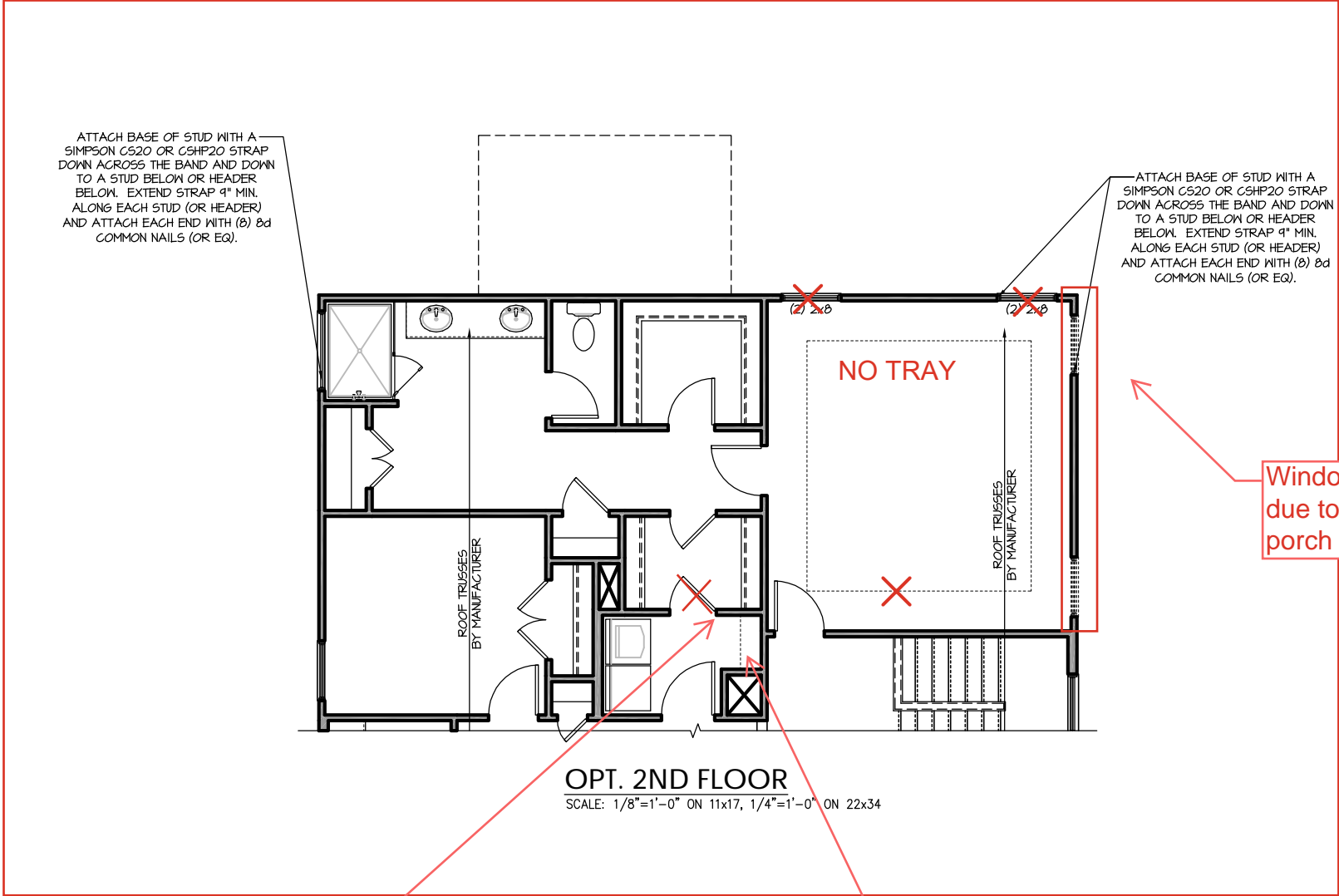
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SOUTH DESIGNS

The Selma - LH  
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S-2.2

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



Windows Move  
due to covered  
porch

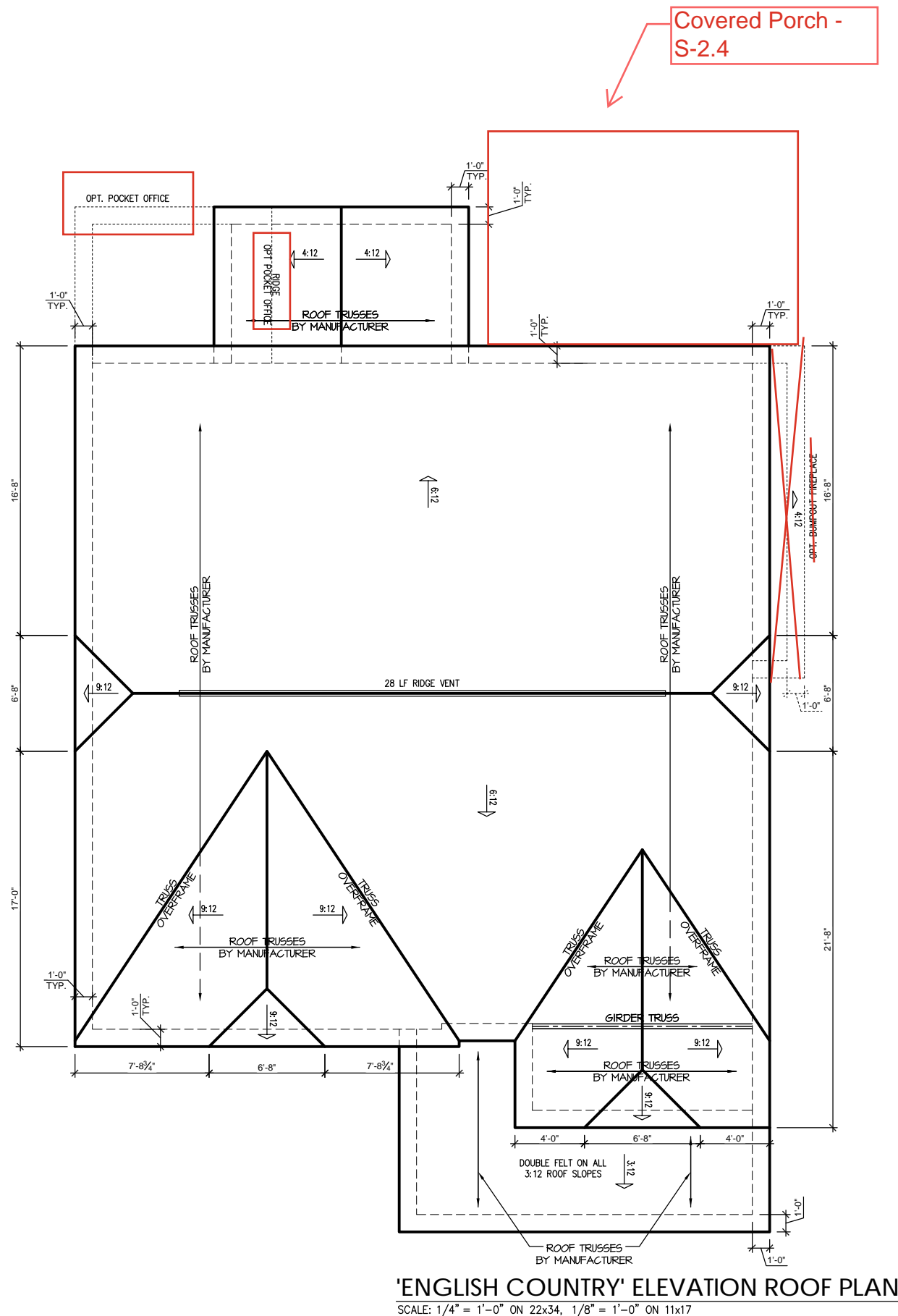
Pocket Door

Laundry Tub

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

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<p>SOUTH DESIGNS</p>
<p><u>The Selma - LH</u> NEW HOME, INC.</p>
<p>S-2.2.1</p>

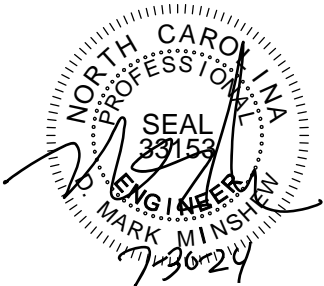




'ENGLISH COUNTRY' ELEVATION ROOF PLAN  
SCALE: 1/4" = 1'-0" ON 22x34, 1/8" = 1'-0" ON 11x17

TRUSS SYSTEM REQUIREMENTS  
NC (2018 NCRG); 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 SPF #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.



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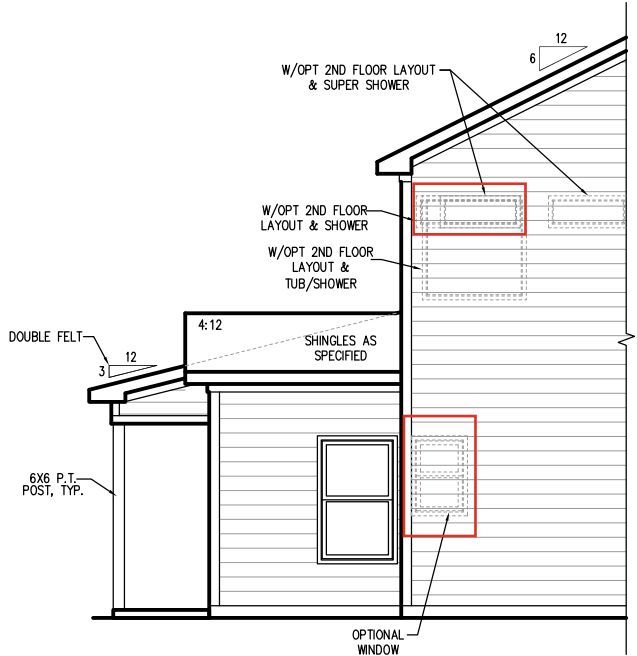
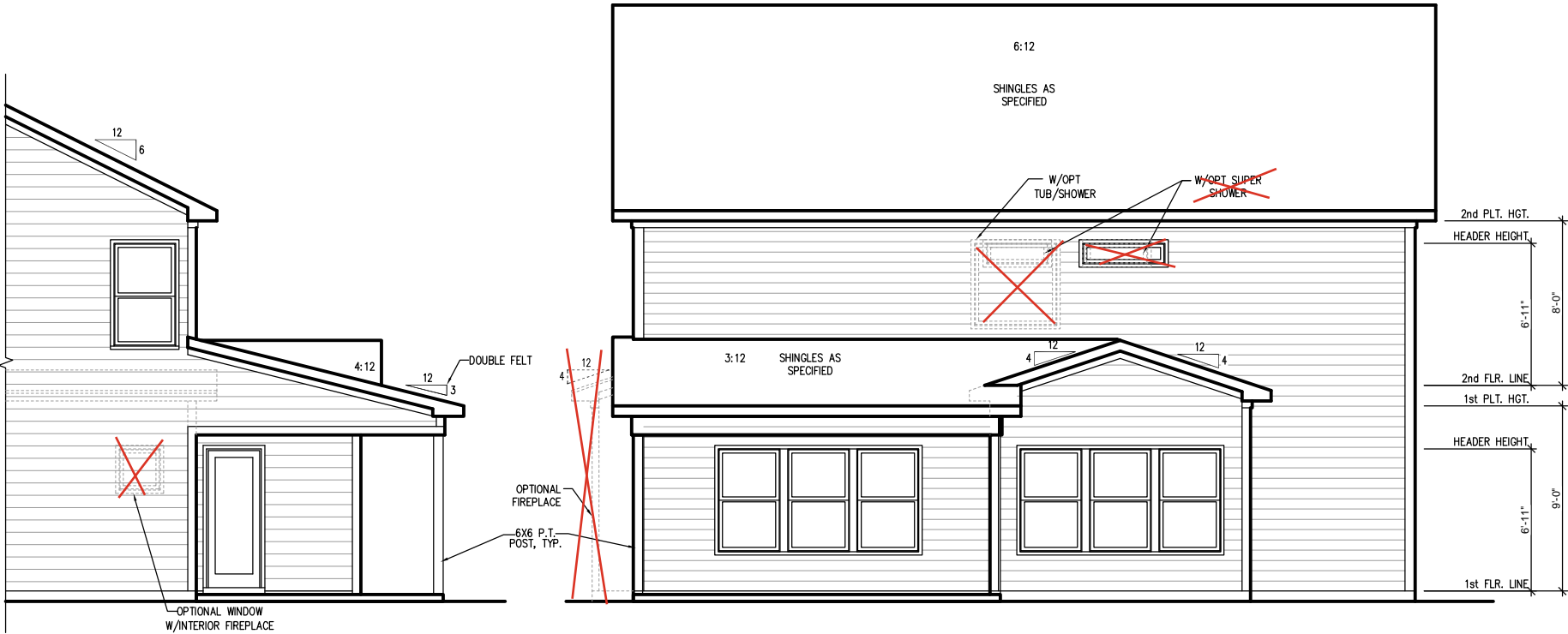
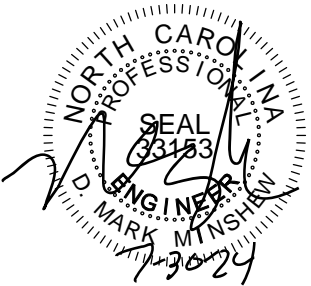
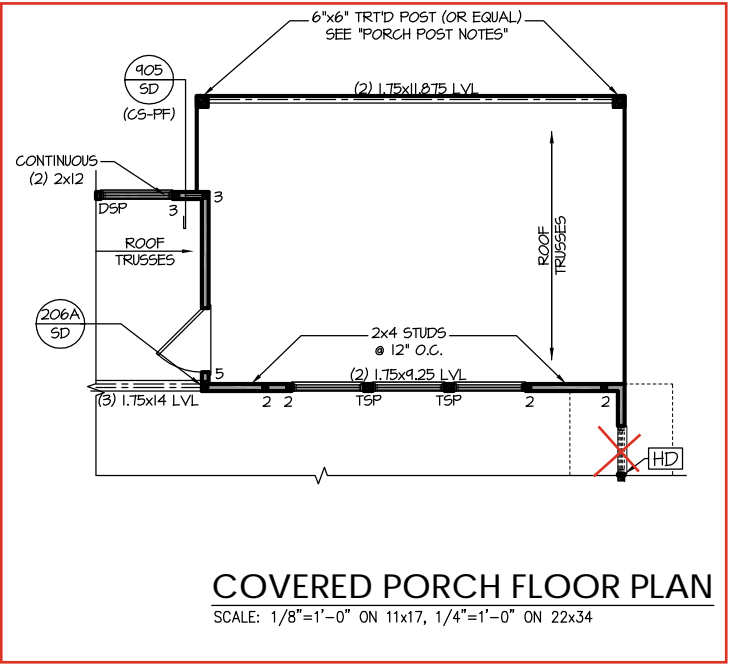
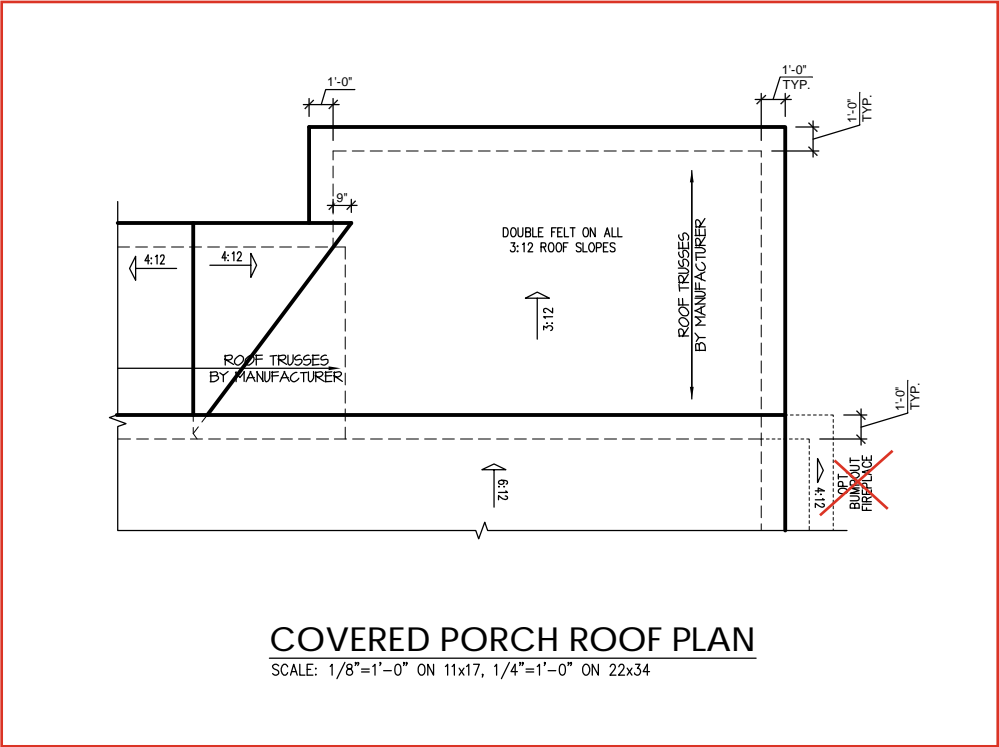
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S-3.1

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



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

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

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

REFER TO "SD" SHEET(S) FOR  
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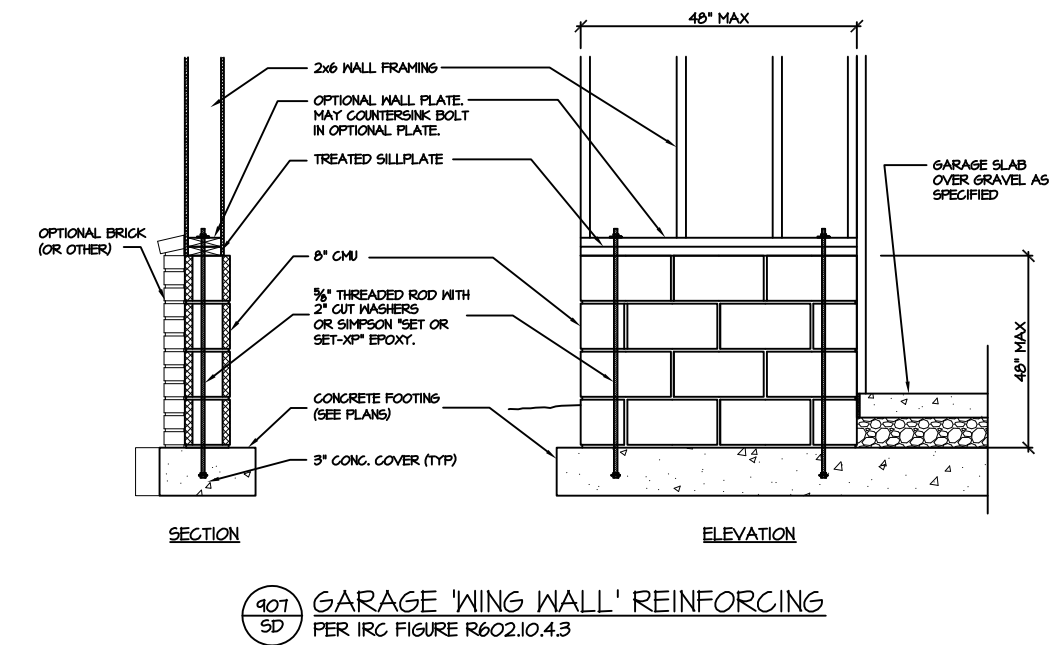
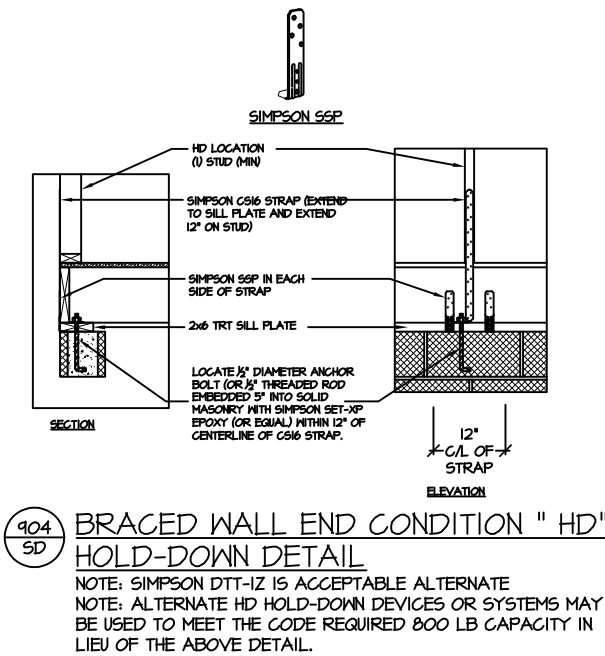
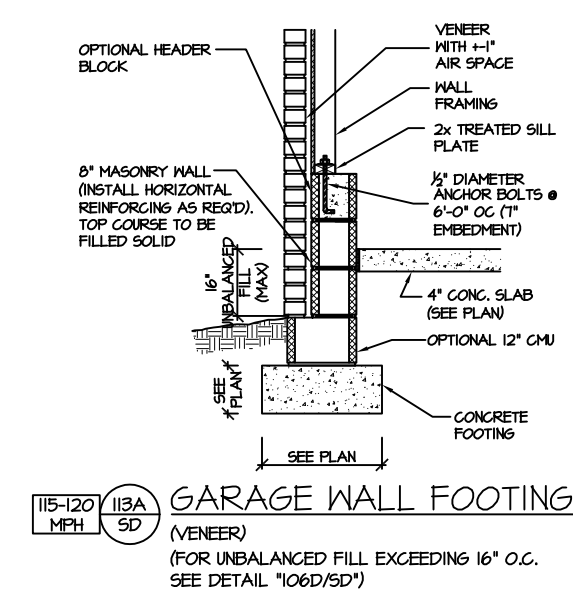
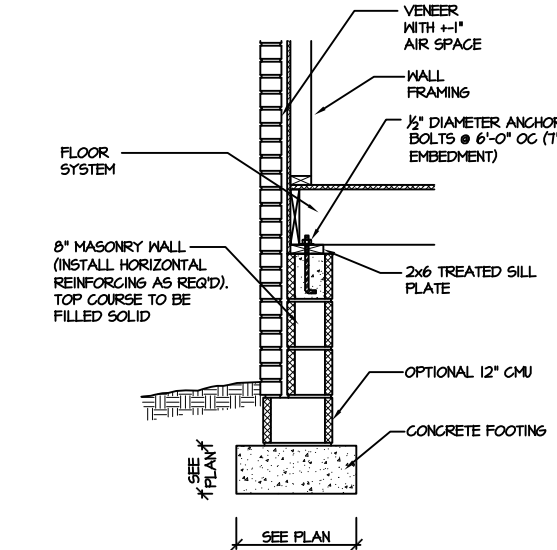
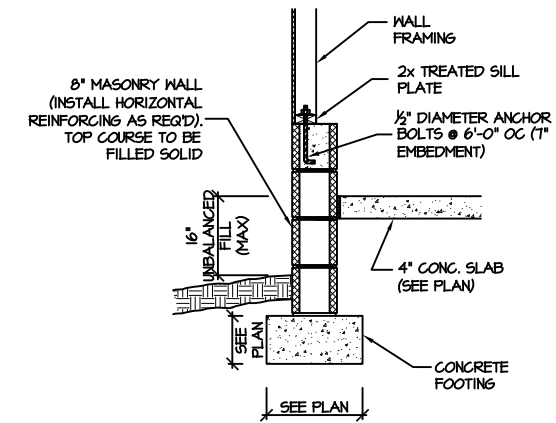
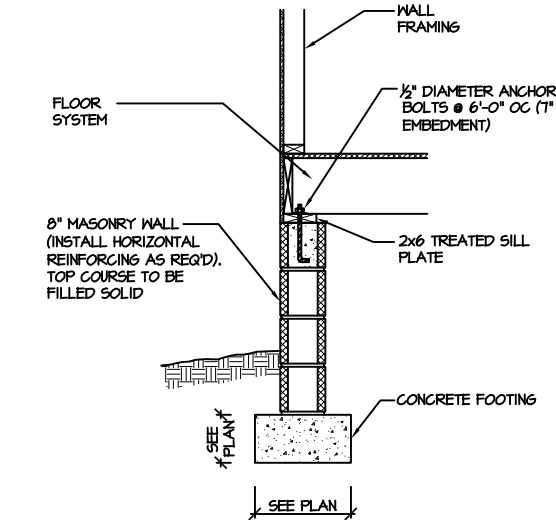
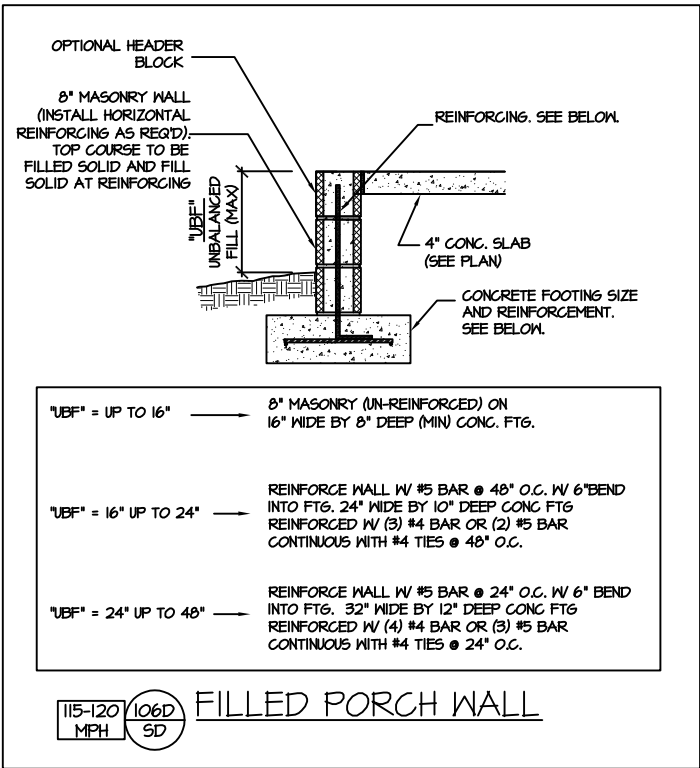
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SOUTH DESIGNS

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S-2.4



CRAWL SPACE FOUNDATION



PROJECT #  
21-2817

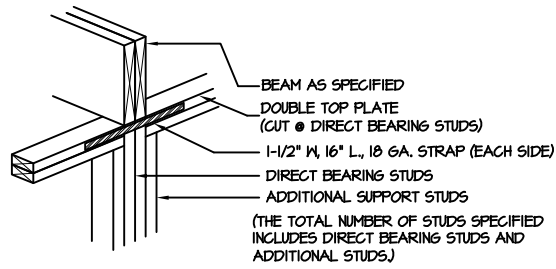
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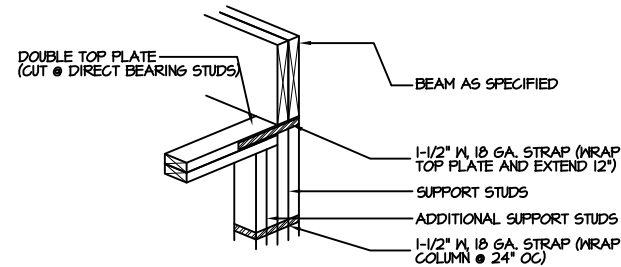
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PLAN 4 - THE SELMA

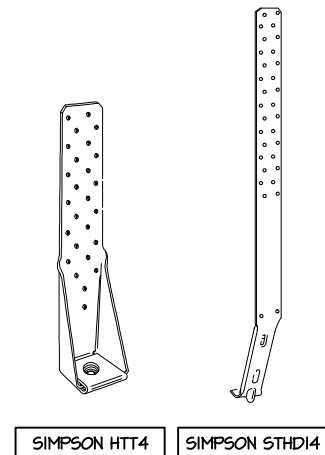
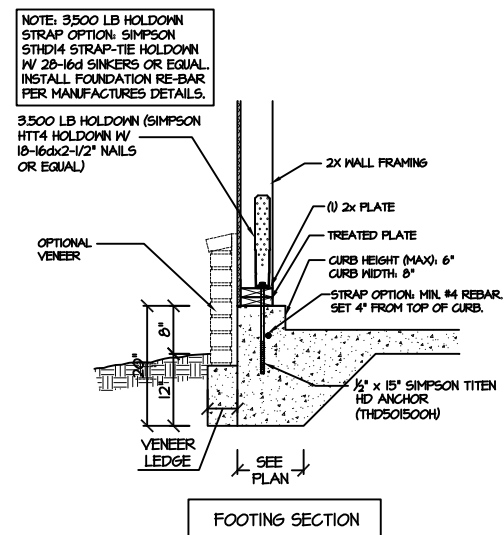
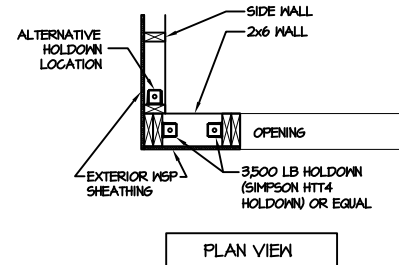
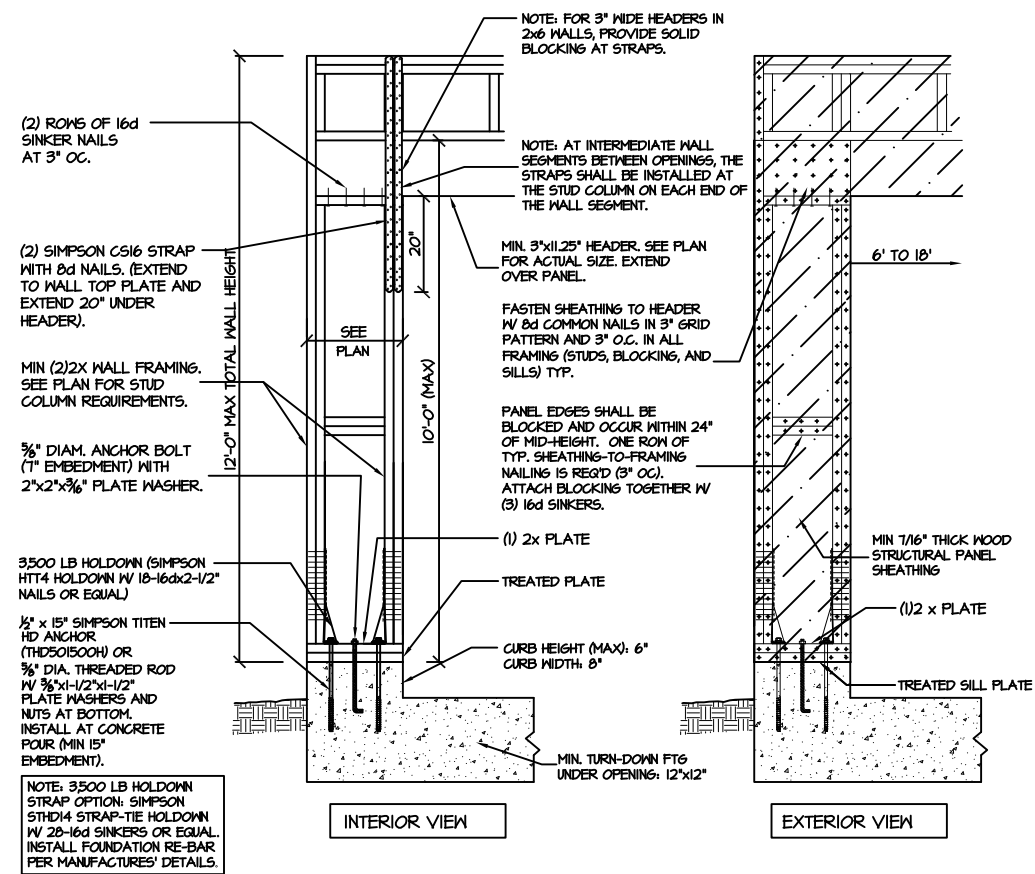
SD



205A  
SD  
DIRECT STUD BEARING  
NTS



206A  
SD  
DIRECT BEAM BEARING  
P&L COLUMN



SECTION 900A  
SD  
APA PORTAL FRAME W/ HOLD-DOWNS  
DETAIL AND APPLICATION BASED ON APA TT-100F WITH USE OF TABLE I FOR APA PORTAL FRAME WITH HOLD-DOWN CAPACITIES.



PROJECT #  
21-2817

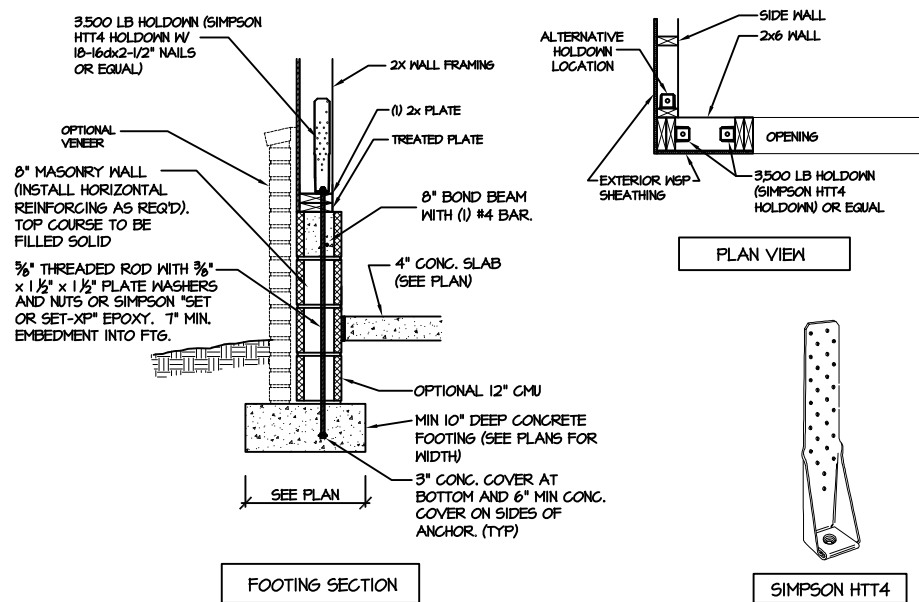
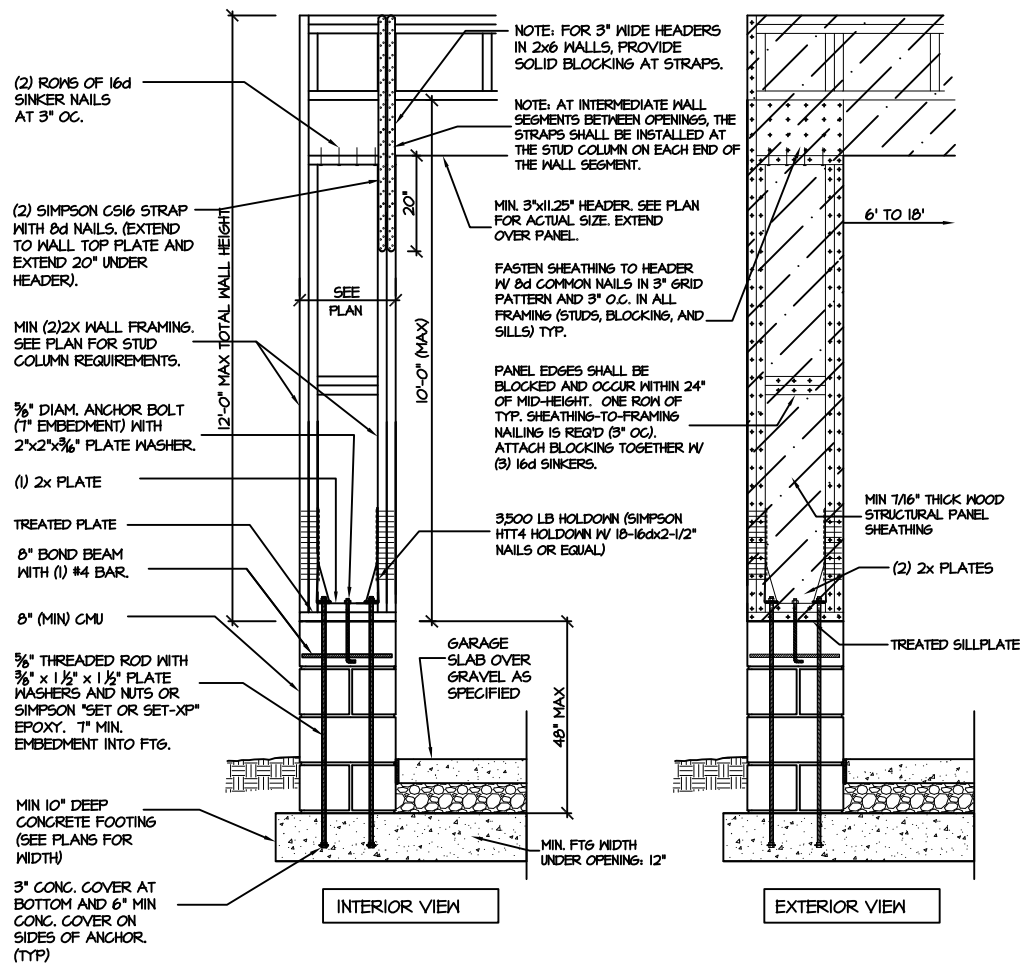
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SECTION 901A  
SD

APA PORTAL FRAME W/ HOLD-DOWNS  
DETAIL AND APPLICATION BASED ON APA TT-100F WITH USE OF TABLE I FOR APA PORTAL FRAME WITH HOLD-DOWN CAPACITIES.

NOTE: FOR 3" WIDE HEADERS IN 2x6 WALLS, PROVIDE SOLID BLOCKING AT STRAPS.

(2) SIMPSON CS16 STRAP WITH 8d NAILS. (EXTEND TO WALL TOP PLATE AND EXTEND 20" UNDER HEADER).

ATTACH KING STUD TO SUPPORT STUDS WITH 10d NAILS @ 8" OC.

MIN (2)2X SUPPORT STUDS AND (2) KING STUD (SEE PLAN FOR STUD COLUMN REQUIREMENTS).

1,000 LB HOLDOWN (SIMPSON HTT4 HOLDOWN W/ 18-10d NAILS OR EQUAL)

HOLDOWN ANCHOR  
CONCRETE: 1/2"x12 SIMPSON TITEN HD (THD501200H)

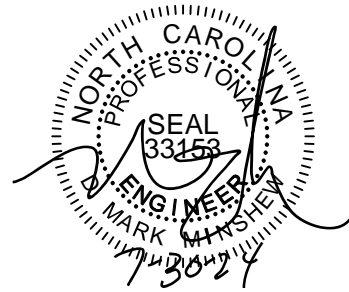
STRAP OPTION (MONO: SIMPSON STD14 STRAP-TIE HOLDOWN.

CMU: 3/8" THREADED ROD (EMBEDDED 12") WITH SIMPSON SET EPOXY. (HIGH WIND ZONE: EXTEND ROD TO FOOTING)

902  
SD

#### END CONDITION DETAIL

(FOR USE WITH SINGLE APA PORTAL FRAME CONDITION)  
DETAIL AND APPLICATION BASED ON APA TT-100F WITH USE OF TABLE I FOR APA PORTAL FRAME WITH HOLD-DOWN CAPACITIES.



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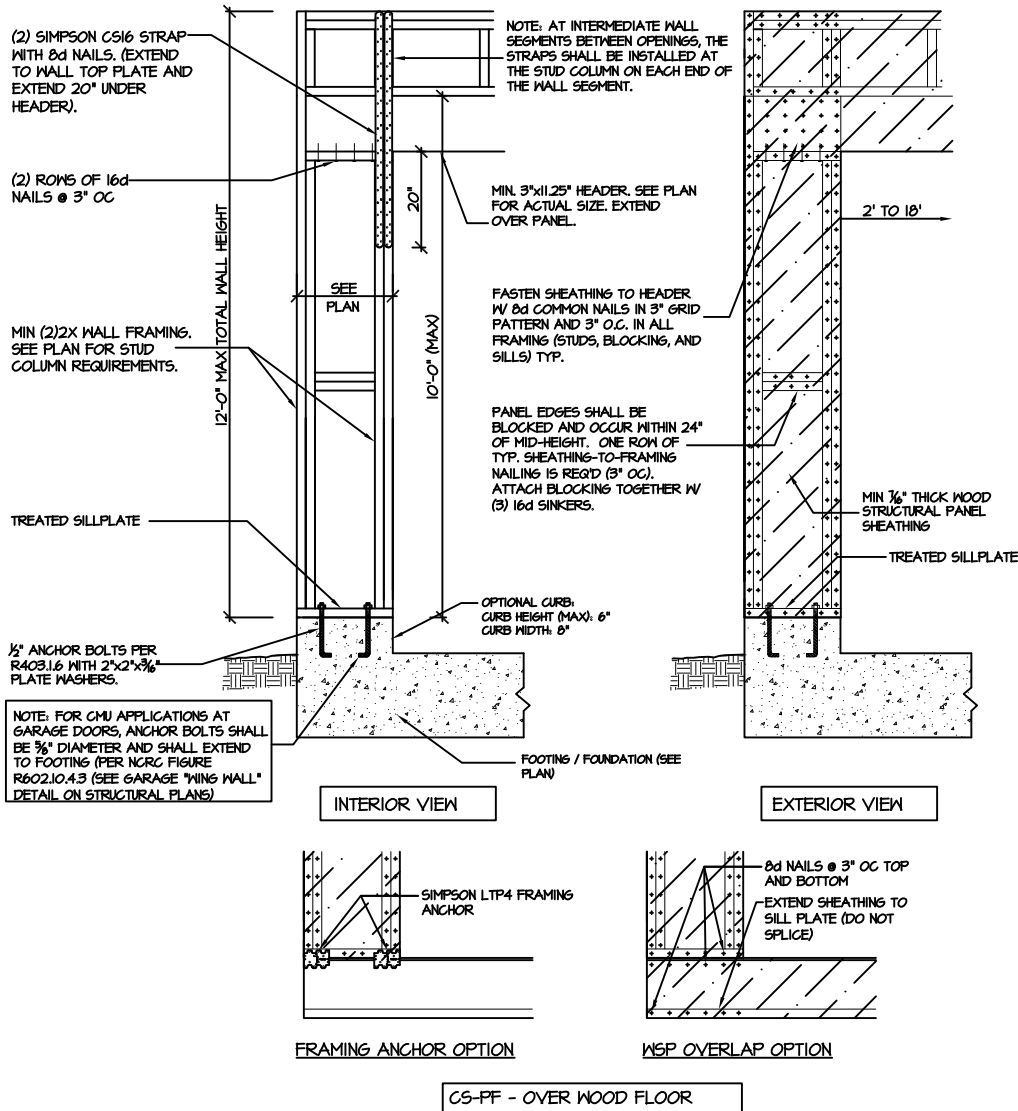
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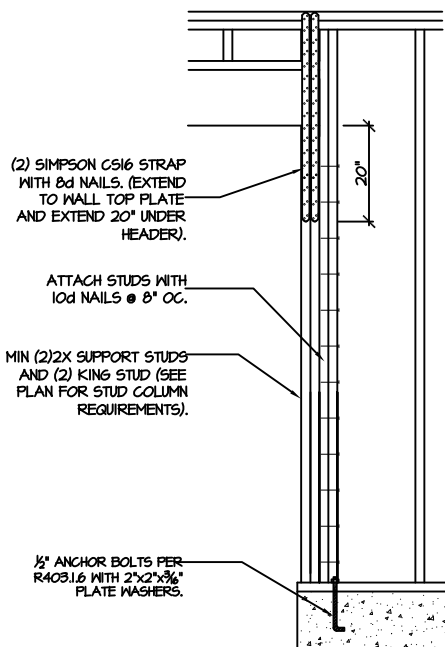
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SD

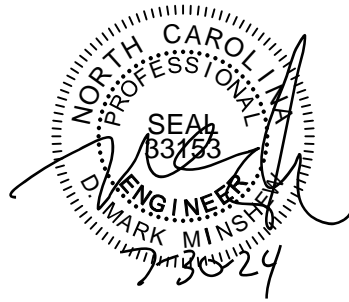




905  
SD  
**CS-PF: CONTINUOUS PORTAL FRAME CONSTRUCTION**  
DETAIL AND APPLICATION BASED ON NCRG FIGURE  
R602.10.1 - PORTAL FRAME CONSTRUCTION



906  
SD  
**CS-PF: END CONDITION DETAIL**  
(FOR USE WITH SINGLE CS-PF CONDITION)  
DETAIL AND APPLICATION BASED ON NCRG FIGURE  
R602.10.1 - PORTAL FRAME CONSTRUCTION



**STRUCTURAL NOTES**  
NC (2018 NCRG): Wind: 115-120 mph

- ENGINEER'S SEAL APPLIES ONLY TO STRUCTURAL COMPONENTS INCLUDING ROOF RAFTERS, HIPs, VALLEYS, RIDGES, FLOORS, WALLS, BEAMS AND HEADERS, COLUMNS, CANTILEVERS, OFFSET LOAD BEARING WALLS, PIER & GIRDER SYSTEM, FOOTING, AND PILING SYSTEM. ENGINEER'S SEAL DOES NOT CERTIFY DIMENSIONAL ACCURACY OR ARCHITECTURAL LAYOUT INCLUDING ROOF SYSTEM. ALL REQUIREMENTS FOR PROFESSIONAL CERTIFICATION SHALL BE PROVIDED BY THE APPROPRIATE PROFESSIONAL. SOUTHERN ENGINEERS, P.A. CERTIFIES ONLY THE STRUCTURAL COMPONENTS AS SPECIFICALLY STATED.
- ALL CONSTRUCTION SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE 2018 NC RESIDENTIAL CODE, PLUS ALL LOCAL CODES AND REGULATIONS. THE STRUCTURAL ENGINEER IS NOT RESPONSIBLE FOR, AND WILL NOT HAVE CONTROL OF, CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE CONSTRUCTION WORK, NOR WILL THE ENGINEER BE RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO CARRY OUT THE CONSTRUCTION WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. "CONSTRUCTION REVIEW" SERVICES ARE NOT PART OF OUR CONTRACT. ALL MEMBERS SHALL BE FRAMED ANCHORED, TIED AND BRACED IN ACCORDANCE WITH GOOD CONSTRUCTION PRACTICE AND THE BUILDING CODE.
- DESIGN LOADS (LISTED AS: LIVE LOAD, DEAD LOAD, DEFLECTION)
  - ROOMS OTHER THAN SLEEPING ROOMS: (40 PSF, 10 PSF, L/360)
  - SLEEPING ROOMS: (30 PSF, 10 PSF, L/360)
  - ATTIC WITH PERMANENT STAIR: (40 PSF, 10 PSF, L/360)
  - ATTIC WITHOUT PERMANENT STAIR: (20 PSF, 10 PSF, L/360)
  - ATTIC WITHOUT STORAGE: (10 PSF, 10 PSF, L/240)
  - STAIRS: (40 PSF, 10 PSF, L/360)
  - EXTERIOR BALCONIES: (60 PSF, 10 PSF, L/360)
  - DECKS: (40 PSF, 10 PSF, L/360)
  - GUARDRAILS AND HANDRAILS: (200 LB5)
  - PASSENGER VEHICLE GARAGES: (50 PSF, 10 PSF, L/360)
  - FIRE ESCAPES: (40 PSF, 10 PSF, L/360)
  - SNOW: (20 PSF)
- WALLS SHALL BE BRACED BY SHEATHING WALLS ON ALL STORIES WITH WOOD STRUCTURAL PANELS. SEE FRAMING NOTES FOR THICKNESS AND NAILING REQUIREMENTS.
- SEE APPENDIX M (DCA6) FOR EXTERIOR DECK REQUIREMENTS INCLUDING ATTACHMENTS FOR LATERAL LOADS.
- CONCRETE SHALL HAVE A MINIMUM 28 DAY STRENGTH OF 3000 PSI AND A MAXIMUM SLUMP OF 5 INCHES UNLESS NOTED OTHERWISE (UNO). AIR ENTRAINED PER TABLE 402.2. ALL CONCRETE SHALL BE PROPORTIONED, MIXED, HANDLED, SAMPLED, TESTED, AND PLACED IN ACCORDANCE WITH ACI STANDARDS. ALL SAMPLES FOR PUMPING SHALL BE TAKEN FROM THE EXIT END OF THE PUMP. CONTROL JOINTS IN SLABS SHALL BE SPACED ON A GRID OF +30 TIMES THE DEPTH (D). CONTROL JOINTS SHALL BE SAWCUT TO A DEPTH OF 1/D. (I.E. 4' CONCRETE SLABS SHALL HAVE 1/4" DEEP CONTROL JOINTS SAWCUT IN SLAB ON A +10'-0" x +10'-0" GRID).
- ALLOWABLE SOIL BEARING PRESSURE ASSUMED TO BE 2000 PSF. THE CONTRACTOR MUST CONTACT A GEOTECHNICAL ENGINEER AND THE STRUCTURAL ENGINEER IF UNSATISFACTORY SUBSURFACE CONDITIONS ARE ENCOUNTERED. THE SURFACE AREA ADJACENT TO THE FOUNDATION WALL SHALL BE PROVIDED WITH ADEQUATE DRAINAGE, AND SHALL BE GRADED SO AS TO DRAIN SURFACE WATER AWAY FROM FOUNDATION WALLS.
- ALL FRAMING LUMBER SHALL BE SPF #2 (Fb = 875 PSI) UNLESS NOTED OTHERWISE (UNO). ALL TREATED LUMBER SHALL BE SYP # 2. PLATE MATERIAL MAY BE SPF # 3 OR SYP #3 (Fc(perp) = 425 PSI - MIN).
- L.V.L. SHALL BE LAMINATED VENEER LUMBER: Fb=2600 PSI, Fv=285 PSI, E=1.9x10<sup>6</sup> PSI.
  - P.S.L. SHALL BE PARALLEL STRAND LUMBER: Fb=2400 PSI, Fv=240 PSI, E=2.0x10<sup>6</sup> PSI.
  - L.S.L. SHALL BE LAMINATED STRAND LUMBER: Fb=2250 PSI, Fv=400 PSI, E=1.55x10<sup>6</sup> PSI.
 INSTALL ALL CONNECTIONS PER MANUFACTURERS INSTRUCTIONS.
- ALL ROOF TRUSS AND I-JOIST LAYOUTS SHALL BE PREPARED IN ACCORDANCE WITH THE SEALED STRUCTURAL DRAWINGS. TRUSSES AND I-JOISTS SHALL BE INSTALLED ACCORDING TO THE MANUFACTURE'S SPECIFICATIONS. ANY CHANGE IN TRUSS OR I-JOIST LAYOUT SHALL BE COORDINATED WITH SOUTHERN ENGINEERS.
- ALL STRUCTURAL STEEL SHALL BE ASTM A-36. STEEL BEAMS SHALL BE SUPPORTED AT EACH END WITH A MINIMUM BEARING LENGTH OF 3 1/2" INCHES AND FULL FLANGE WIDTH. PROVIDE SOLID BEARING FROM BEAM SUPPORT TO FOUNDATION. BEAMS SHALL BE ATTACHED TO EACH SUPPORT WITH TWO LAG SCREWS (1/2" DIAMETER x 4" LONG). LATERAL SUPPORT IS CONSIDERED ADEQUATE PROVIDING THE JOIST ARE TOE NAILED TO THE SOLE PLATE, AND SOLE PLATE IS NAILED OR BOLTED TO THE BEAM FLANGE @ 48" O.C. ALL STEEL TUBING SHALL BE ASTM A500.
- REBAR SHALL BE DEFORMED STEEL, ASTM615, GRADE 60. LAP ALL REBAR SPLICES 30 BAR DIAMETERS.
- FLITCH BEAMS SHALL BE BOLTED TOGETHER USING (2) ROWS OF 1/2" DIAMETER BOLTS (ASTM A325) WITH WASHERS PLACED UNDER THE THREADED END OF BOLT. BOLTS SHALL BE SPACED AT 24" O.C. (MAX), AND STAGGERED AT THE TOP AND BOTTOM OF BEAM (2" EDGE DISTANCE), WITH 2 BOLTS LOCATED AT 6" FROM EACH END.
- BRICK LINTELS (WHEN REQUIRED) SHALL BE 3 1/2"x3 1/2"x1/4" STEEL ANGLE FOR UP TO 6'-0" SPAN AND 6"x4"x5/16" STEEL ANGLE WITH 6" LEG VERTICAL FOR SPANS UP TO 9'-0". SEE PLANS FOR SPANS OVER 9'-0". SEE ALSO SECTION RT03.8.3 LINTELS.

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