BXUV - Fire Resistance Ratings - ANSI/UL 263 Certified for United States BXUV7 - Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada Design No. V340

**Bearing Wall Rating — 1 Hr Exposed to Fire on Either Face** 

Bearing Wall Rating - 2 Hr Rating Exposed to Fire on Interior Face and 1 Hr Rating Exposed to Fire on Exterior Face (See Item 2)

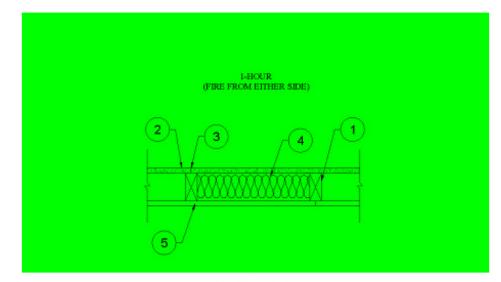
Bearing Wall Rating - 2 Hr Rating Exposed to Fire on Exterior Face and 1 Hr Rating Exposed to Fire on Interior Face (See Item 6)

For Wood Studs, Finish Rating — 4 min (Exposed to Fire on Exterior Face)

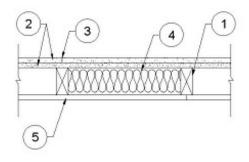
Loaded Per 2012 NDS Supplement, ASD Method, Wall Braced by Sheathing, 40% of Design Load Applied to Wall

This design was evaluated using a load design method other than the Limit States Design Method (e.g., Working Stress Design Method). For jurisdictions employing the Limit States Design Method, such as Canada, a load restriction factor shall be used — See Guide <u>BXUV</u> or <u>BXUV7</u>

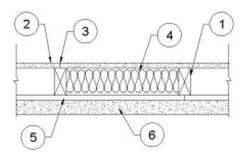
\* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.



2-HOUR INTERIOR 1-HOUR EXTERIOR



2-HOUR EXTERIOR 1-HOUR INTERIOR



1. **Wood Studs** — Nom 2 by 4 in., spaced 16 in. OC with double 2 by 4 top and single 2 by 4 in, bottom plates. Studs effectively firestopped.

2. Gypsum Board\* — Any 5/8 in. thick UL Classified Gypsum Board that is eligible for use in Design Nos. L501, G512 or U305. 1 Hr rating - Nom. 5/8 in. thick, 4 ft. wide, applied vertically, and nailed to studs and bearing plates 7 in. OC. with 6d cement coated nails, 1-7/8 in. long, 0.0915 in. shank diam. and 1/4 in. diam. head. Vertical joints centered over studs and staggered min. 1 stud cavity from the vertical joints of the building units (Item #5). 2 Hr rating - two layers required, base layer nailed 6 in. OC. with 6d cement coated nails, 1-7/8 in. long, 0.0915 in. shank diam. and 1/4 in. diam. head. The face layer nailed to the studs and bearing plates over the base layer, 8 in. OC with 8d cement coated nails, 2-3/8 in. long, 0.113 in. shank diam. 9/32 in. diam. head. Vertical joints in adjacent layers (multilayer systems) staggered one stud cavity.

3. Joints and Nail Heads — Wallboard joints covered with tape and joint compound. Nail heads covered with joint compound.

4. **Batts and Blankets\*** — Faced or unfaced mineral fiber insulation, 3-1/2 in. thick, minimum 2.87 pcf, friction fit in the wall cavity between stud, plates.

See Batts and Blankets\* (BZJZ) category for names of Classified manufacturers.

5. **Building Units\*** — Building units nailed to the wood framing, coating to studs, with 1-7/8 in. long, 6d nails, spaced 6 in. OC. on the perimeter and 12 in. OC. in the field. Vertical joints centered on studs. Horizontal joints backed with nom. 2 by 4 wood blocking.

LOUISIANA-PACIFIC CORP — Type Blazeguard 1-Side

LOUISIANA-PACIFIC CORP — Type LP FlameBlock 1-Side

6. **Exterior Facings** — Required for 2 Hour Rating on the Exterior Face. The following exterior facing shall be installed in accordance with the manufacturer's installation instructions:

6A. **Brick** — Brick veneer, minimum thickness of 3.4 inches, meeting the requirements of local code agencies. Brick veneer attached to the studs with corrugated metal wall ties attached to each stud with 8d cement coated nails, every sixth course of bricks and max 32 in. OC horizontally. One in. air space provided between brick veneer and sheathing.

## \* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

Carriage Circle Lot 1154 - 150 Spruce Hollow Circle, Spring Lake 28390 Harnett County Created: 04/12/2021

Elevation Euro Garage Left Fiber Cement Siding

NOTICE TO CONTRACTOR All construction must comply with current t and is subject to field inspection and verifie	NC Building Codes	
APPROVED		
Limited building only review Permit holder responsible for	NW	1
full compliance with the code	1 Outer	Harnett
	5000	
05/28/2021	U	
		NORTH CAROLINA



2550 Capitol Drive Suite 105 Creedmoor, NC 27522 919-528-1347

# 2334 The Nicklaus II - LH

S	QUARE	FOOT	AGE	
	HERITAGE	EUROPEAN	HERITAGE F	ARMHOUSE
	UNHEATED	HEATED	UNHEATED	HEATED
FIRST FLOOR	0	971	0	971
SECOND FLOOR	0	1363	0	1363
REAR COVERED PORCH	50	0	50	0
FRONT PORCH	120	0	120	0
GARAGE	472	0	472	0
SUBTOTALS	642	2334	642	2334
TOTAL UNDER ROOF	29	76	29	76
TOTAL UNDER ROOF	29	76	29	76
	29 PTIONS	76	29	76
		76 HEATED S.F.	29	76
	PTIONS		29	76
	PTIONS UNHEATED S.F.	HEATED S.F.	29	76
	PTIONS UNHEATED S.F. 0	HEATED S.F. 0	29	76
	PTIONS UNHEATED S.F. 0 0	HEATED S.F. 0 0	29	76
	PTIONS UNHEATED S.F. 0 0	HEATED S.F. 0 0 0	25	76
	PTIONS UNHEATED S.F. 0 0 0 0	HEATED S.F. 0 0 0 0	25	76
	PTIONS UNHEATED S.F. 0 0 0 0 0	HEATED S.F. 0 0 0 0 0	25	76

S	QUARE	FOOT	AGE	
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GARAGE	472	0	472	0
SUBTOTALS	642	2334	642	2334
TOTAL UNDER ROOF	29	76	29	76
0	PTIONS			
	UNHEATED S.F.	HEATED S.F.		
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	RCHITECTURAL DRAWINGS
Sheet No.	Sheet Description
0.0	Cover Sheet
2.1	First Floor Plan
2.2	Second Floor Plan
3.A.0	Heritage European Front & Right Elevations
3.A.1	Heritage European Left & Rear Elevations
3.A.2	Heritage European Roof Plan
3.B.0	Heritage Farmhouse Front & Right Elevations
3.B.1	Heritage Farmhouse Left & Rear Elevations
3.B.2	Heritage Farmhouse Roof Plan
S.1.1	Crawl Foundation
S.1.2	Slab Foundation
S.2.1	Second Floor Framing
S.3.1	Attic Floor Framing
S.4.1	Roof Plan - Heritage European
S.4.2	Roof Plan - Heritage Farmhouse

	REVISION LOG					
Rev	Description	Drawn By	Date	Sheets Affected	Brochure Required	Engineering Required
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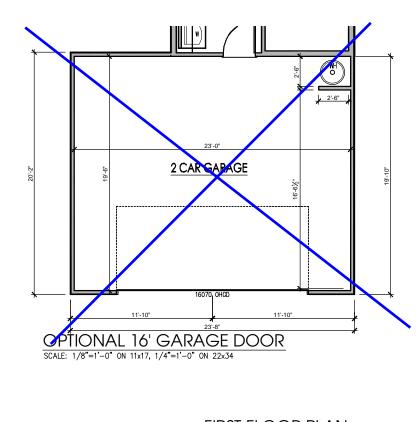
### **General Floor Plan Notes**

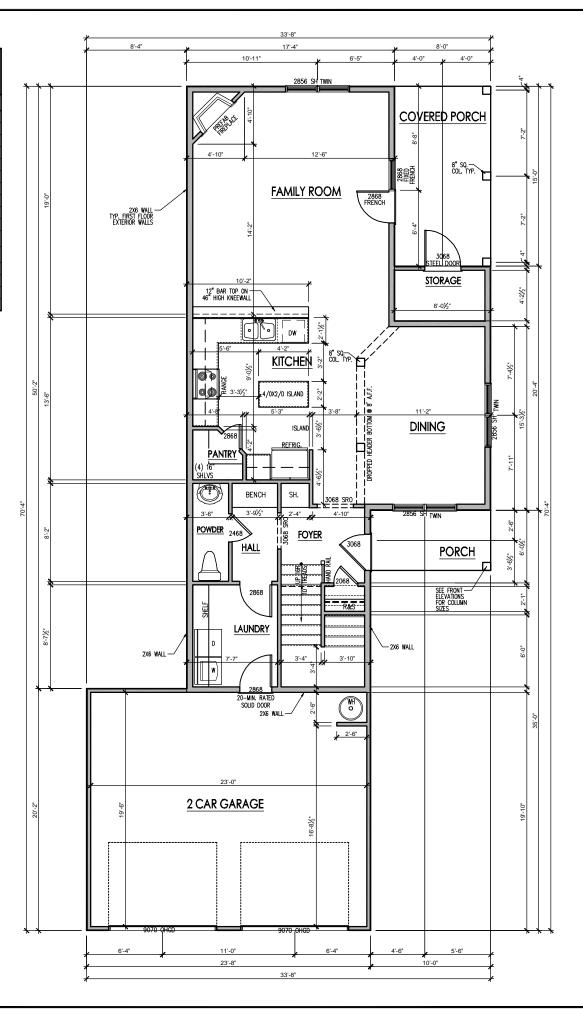
General Floor Plan Notes shall apply unless noted otherwise on plan.

- Wall Heights: Typically 10'-1-1/2' at first floor and second floor, and 9' 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 4" at exterior walls, 3-1/2" at inherior. 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. Header height shall be 8'-0" AFF at First Floor, and 7'-6" AFF at Second Floor unless noted otherwise.
- 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.
- 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 <u>de</u> <u>not</u> include soffits over wall cabinetry.
- 6. Door & Window Frames, where occurring near corners, shall be a minimum of 6' from corner. Except for walk-in closets with doors near a corner, doors at closets shall be centered on closet.
- Windows: Shall have at least (1) window in each sleeping room, that meets egress. Shall be provided with tempered glass th hazardous glazing areas. False windows shall be installed with obscure glazing.
- Closets for clothing or coat storage shall be equipped with 1 rod/shelf, open wire. Closets for linen shall have 5 open wire shelves. Closets for pantries shall have 5 wood shelves, painted.
- Stair treads shall be 10" deep, risers shall be a maximum of 7-3/4", unless noted otherwise.
- 10. Handrails and Guards at stairs shall be 34" above the linished 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 balishers) shall be spaced with no more than 4" between guards.
- 11. Aftic Access shall be provided at all aftic area with a height greater than 30°. Minimum clear attic access shall be 20° x 30°. Puil down stairs and access dows in knew 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 and living space attic by installing 1/2" gypsum board on the garage side of the wall.

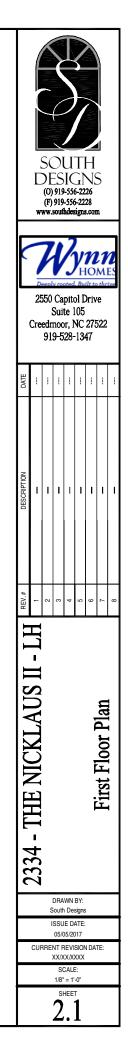
# SQUARE FOOTAGE HERITAGE EUROPEAN & FARMHOUSE

	UNHEATED S.F.	HEATED S.F.
FIRST FLOOR	0	971
SECOND FLOOR	0	1363
FRONT PORCH	50	0
COVERED PORCH	120	0
GARAGE	472	0
TOTAL	642	2334
	OPTIONS	
	UNHEATED S.F.	HEATED S.F.





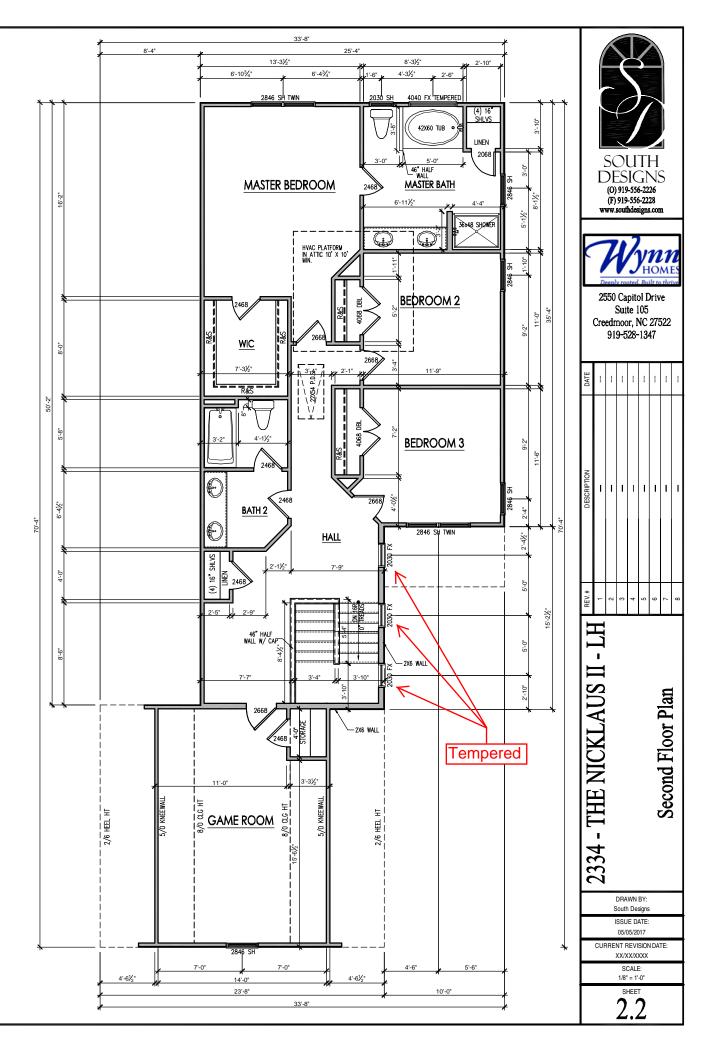
FIRST FLOOR PLAN SCALE: 1/8"=1'-0" ON 11x17, 1/4"=1'-0" ON 22x34



#### General Floor Plan Notes

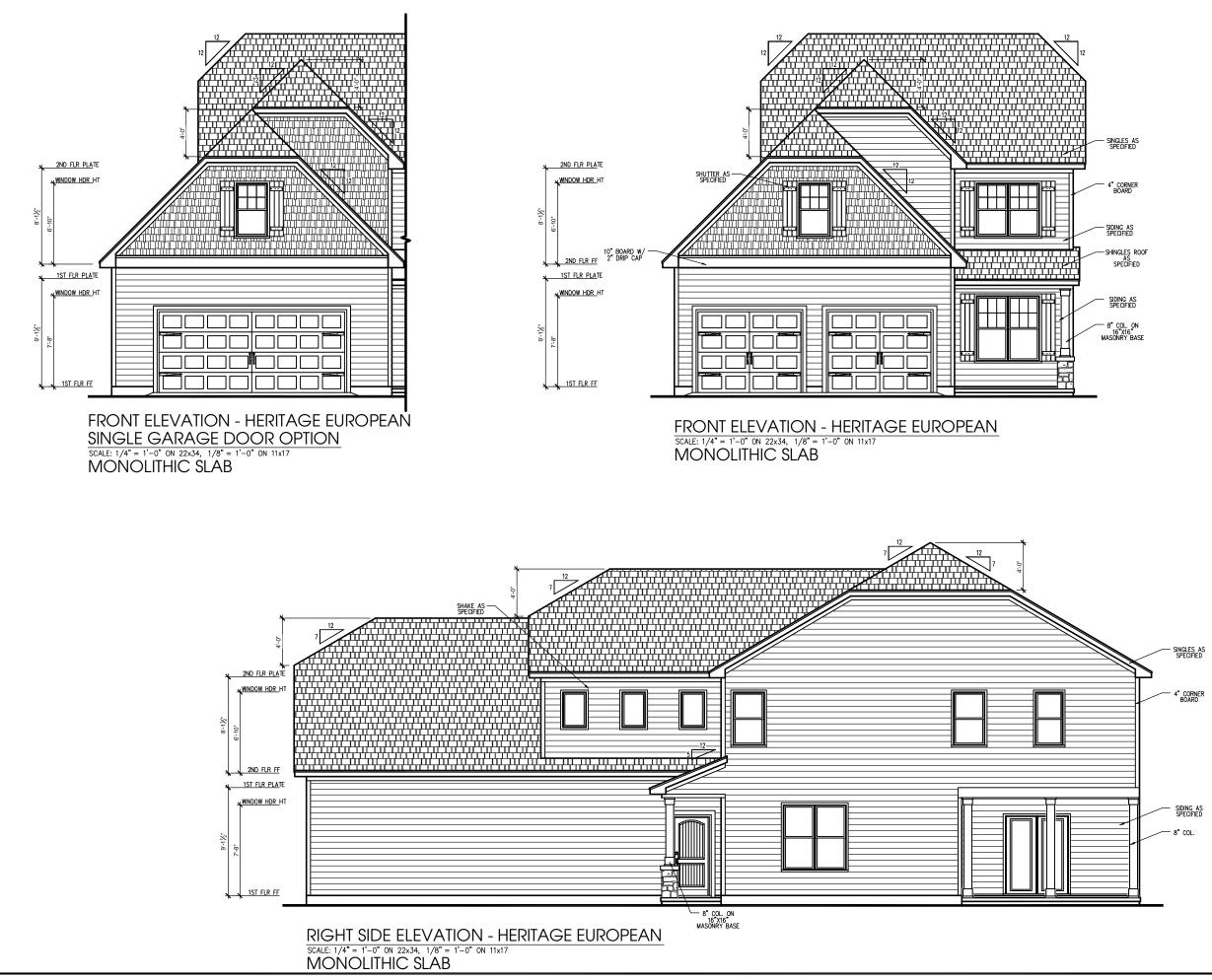
General Floor Plan Notes shall apply unless noted otherwise on plan.

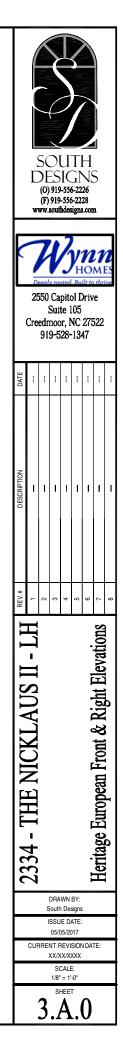
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- 2. Wall Thickness is typically 4° at exterior walls, 3-1/2° at interior. 2x6 frame shall be used at walls that back up to plumbing fixtures. Walls greater than 10° high shall be framed with 2x6 framing or greater and will be noted as a special condition where it occurs on plan.
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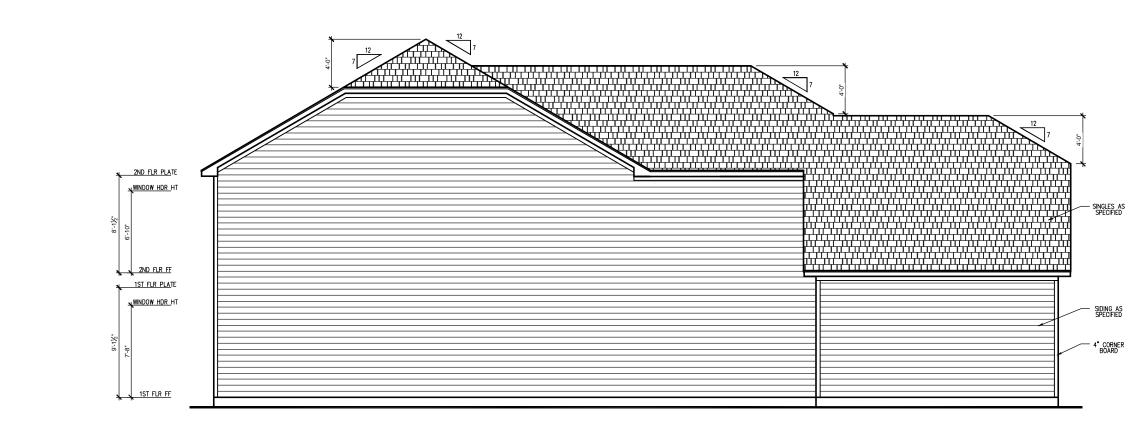


SECOND FLOOR PLAN

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



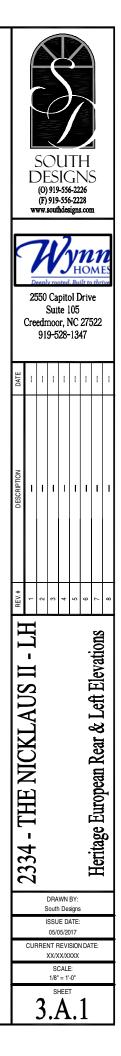


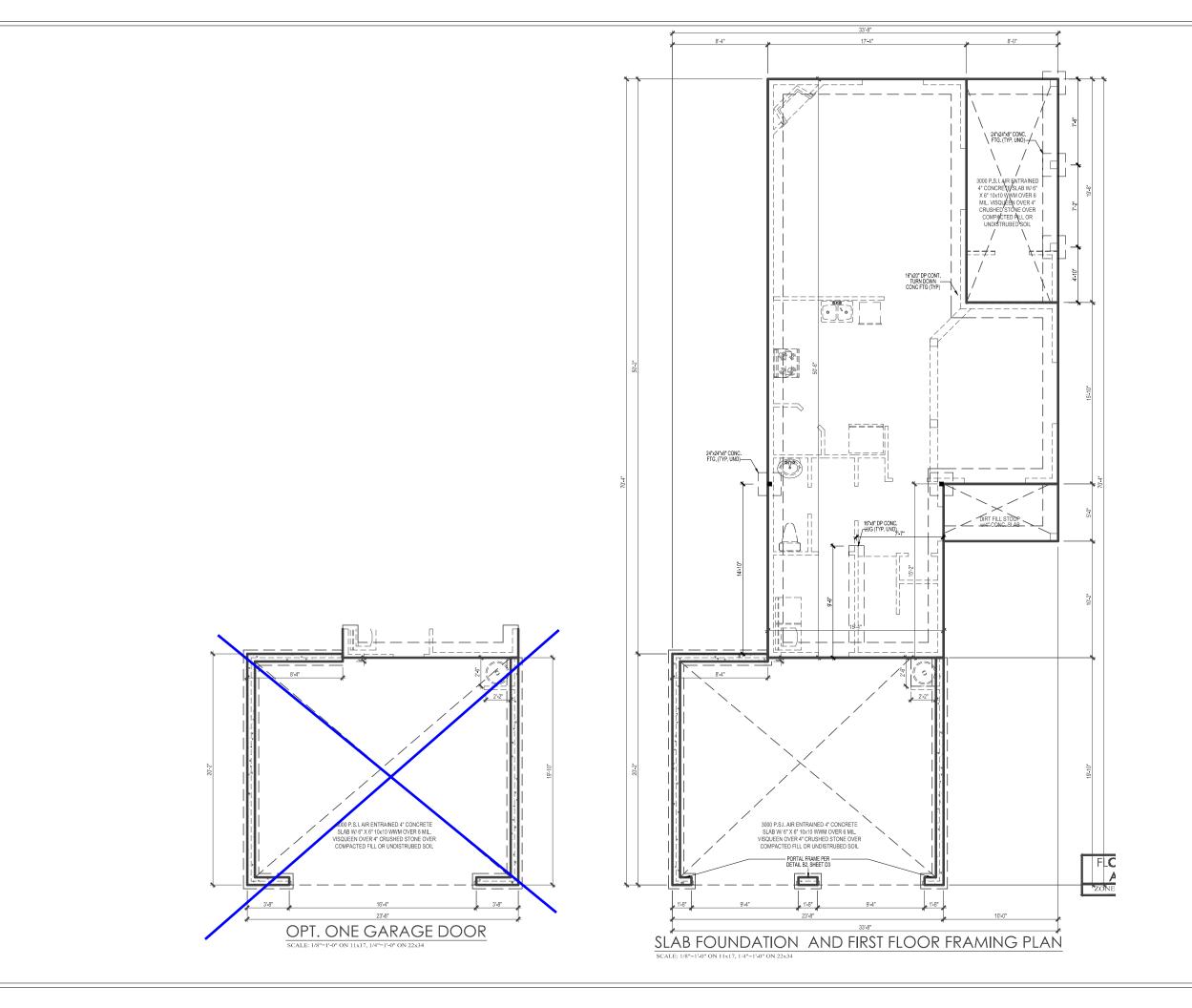


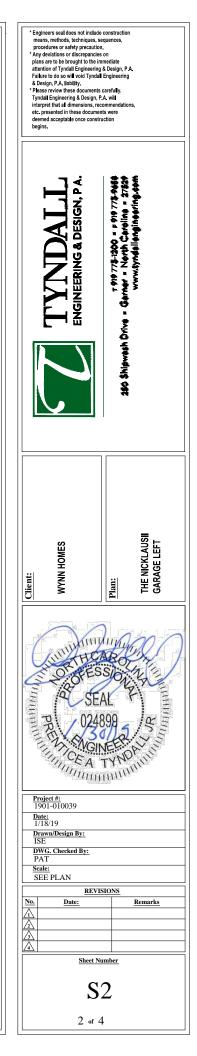
## LEFT SIDE ELEVATION - HERITAGE EUROPEAN SCALE: 1/4" = 1'-0" ON 22x34, 1/8" = 1'-0" ON 11x17 MONOLITHIC SLAB

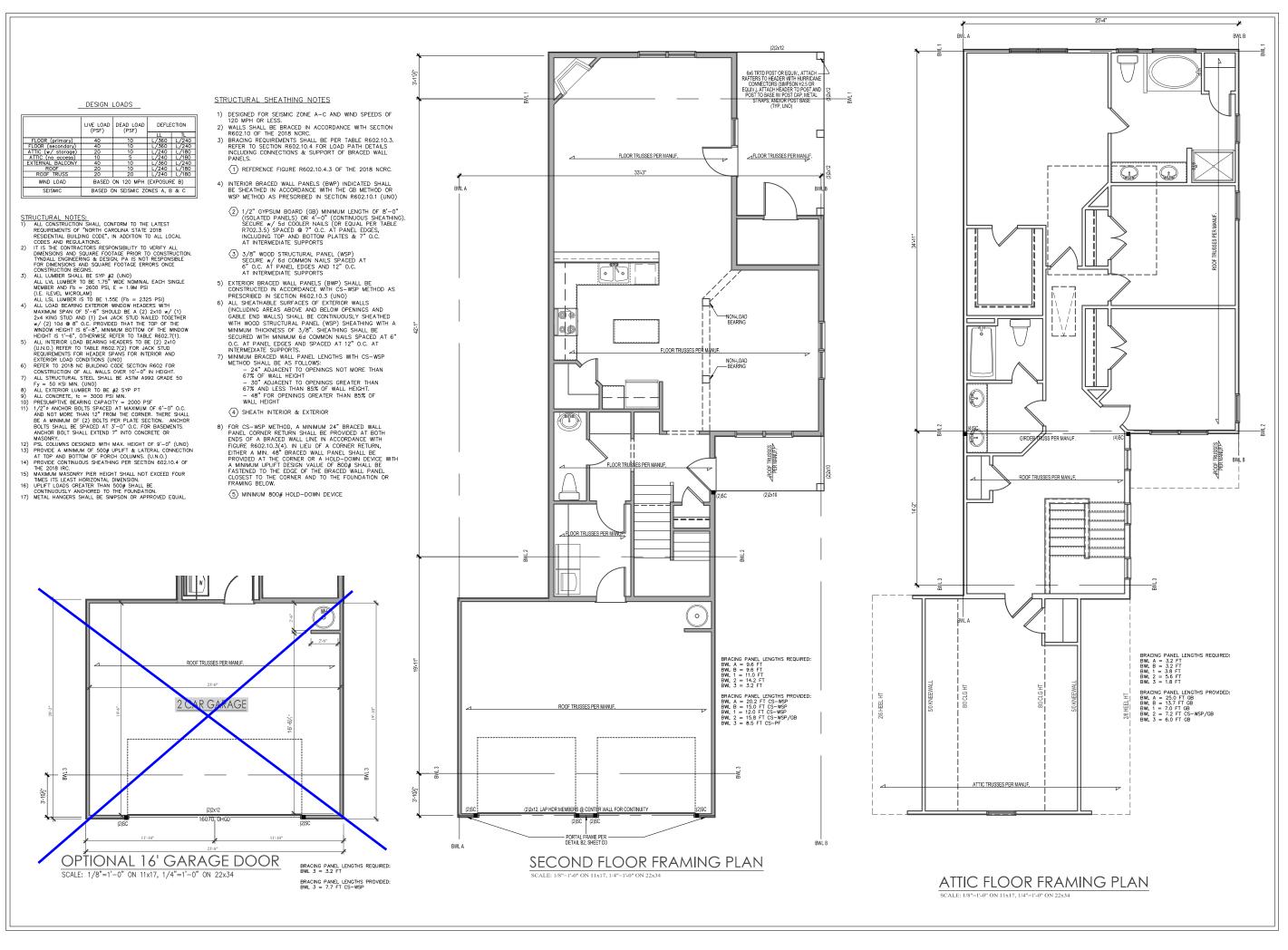


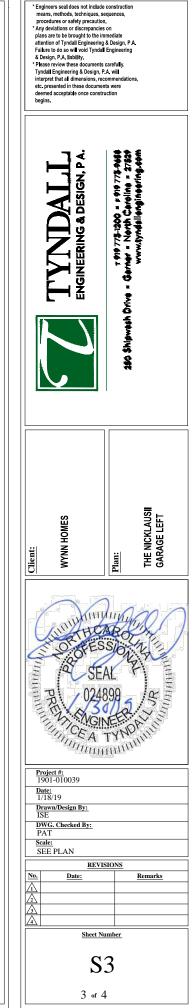
REAR ELEVATION - HERITAGE EUROPEAN SCALE: 1/4" = 1'-0" ON 22x34, 1/8" = 1'-0" ON 11x17 MONOL ITHIC, SLAB

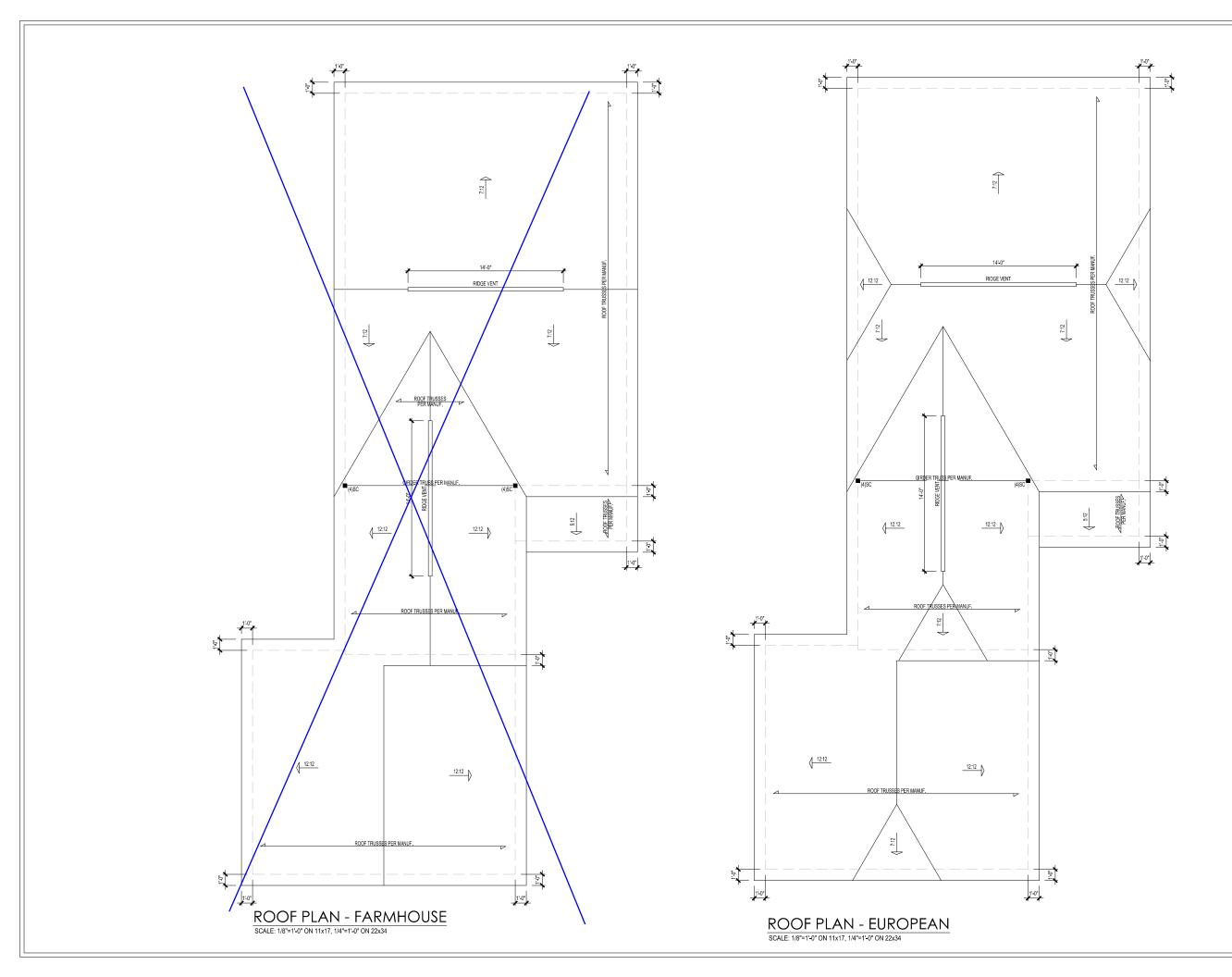












* Engineers seal does not include means, methods, techniques, s procedures or safety precaution * Any deviations or discrepancies plans are to be brought to the im attention of Tyndall Engineering Failure to do as will void Tyndal & Design, P.A. Isbility. * Please review these documents Tyndall Engineering & Design, P. interpret that all dimensions, rec etc. presented in these document deemed acceptable once constru- begins.	equences, ton mediate & Design, P.A. Engineering carefully. A. will ommendations, ts were
TYNDALL ENGINEERING & DESIGN, P.A.	+ 919 778-1300 = x 919 778-1300 = x 919 778-9468 280 Shipwaah Driva = Garnar = Narzh Garaina = 27829 www.tyndallanginaaring.com
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