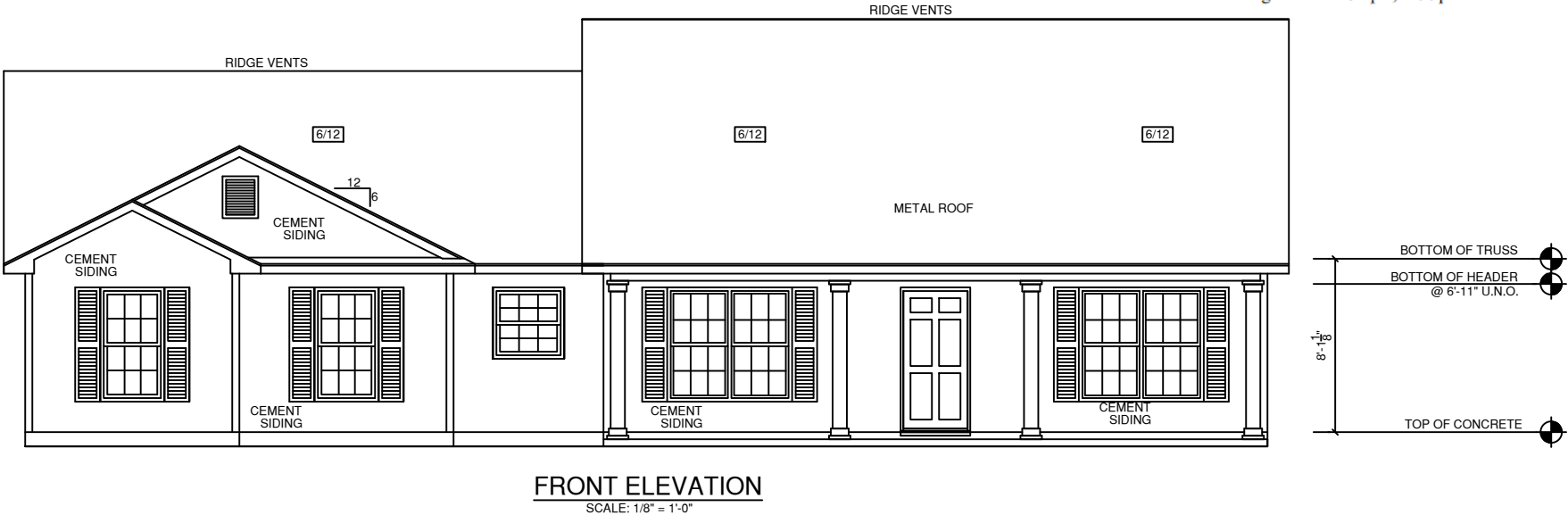


Frank J Sapienza Jr

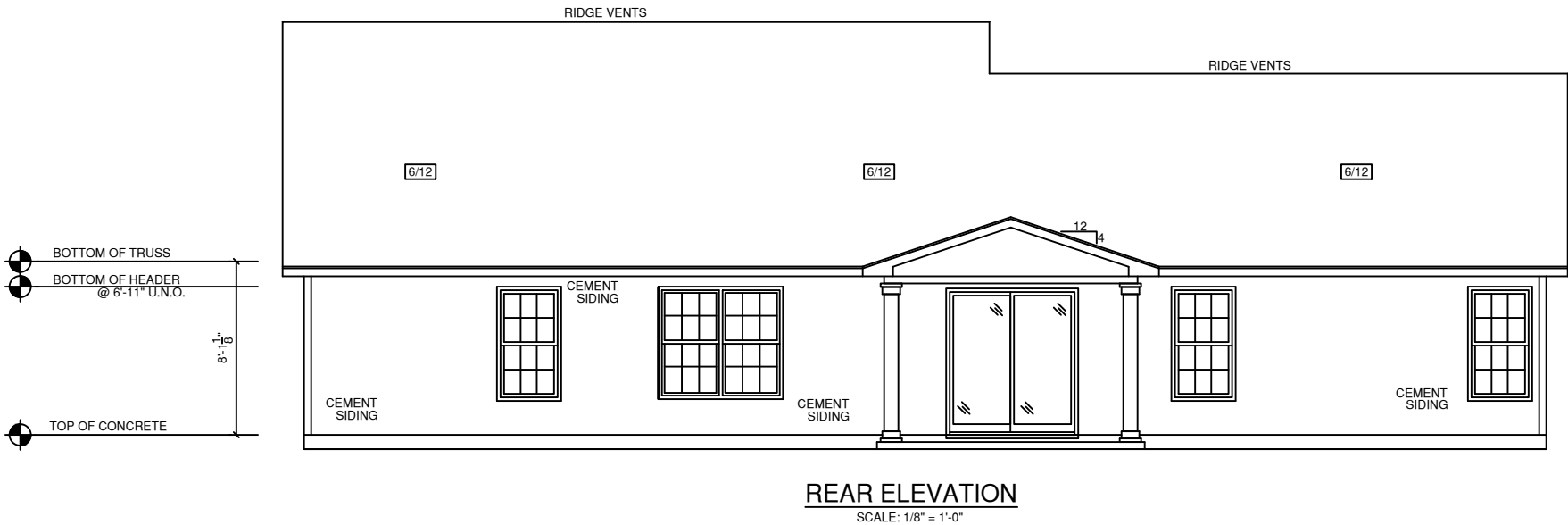
Digitally signed
by Frank J Sapienza Jr
Date: 2021.12.08 12:47:34 -05'00'

Wind Load Analysis and Certification
Coleman Residence (Pamlico"Classic") by Red Door Homes
2020 Florida Building Code section 1609 according to ASCE 7-16
Ultimate Design Wind Speed (Vult) = 130 MPH (3 second gust)
Nominal Design Wind Speed (Vasd)) = 101 MPH
Risk Category = II
Exposure Category = B, Enclosed Building
Applicable Internal Pressure Coefficient = .18
Design Wind Pressure for use of External Components (Components and Cladding)= +32.1psf, -43.3psf
Overhead Garage Door: +15.2psf, -16.9psf



This item has been electronically signed and sealed by FRANK J SAPIENZA JR PE using Digital Signature.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Engineer Signature is for structural and wind compliance only



GENERAL NOTES

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12.) BUILDER TO VERIFY ALL DIMENSIONS.

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RED DOOR

homes

SQUARE FOOTAGE CHART

FIRST FLOOR AREA TO FRAMING:	1904
FRONT PORCH AREA:	186
GARAGE AREA TO FRAMING:	432
TOTAL UNDER BEAM AREA:	2522

SUBDIVISION NAME:

XXXXXXXXXX

CITY:

XXXXXXXXXX

PHASE:

XXXXXXXXXX

BLOCK:

XXXXXXXXXX

LOT:

XXXXXXXXXX

DRAFTING DATES:

MASTER DATE: 07/31/20

PRELIMINARY: 10/20/2021 JPH

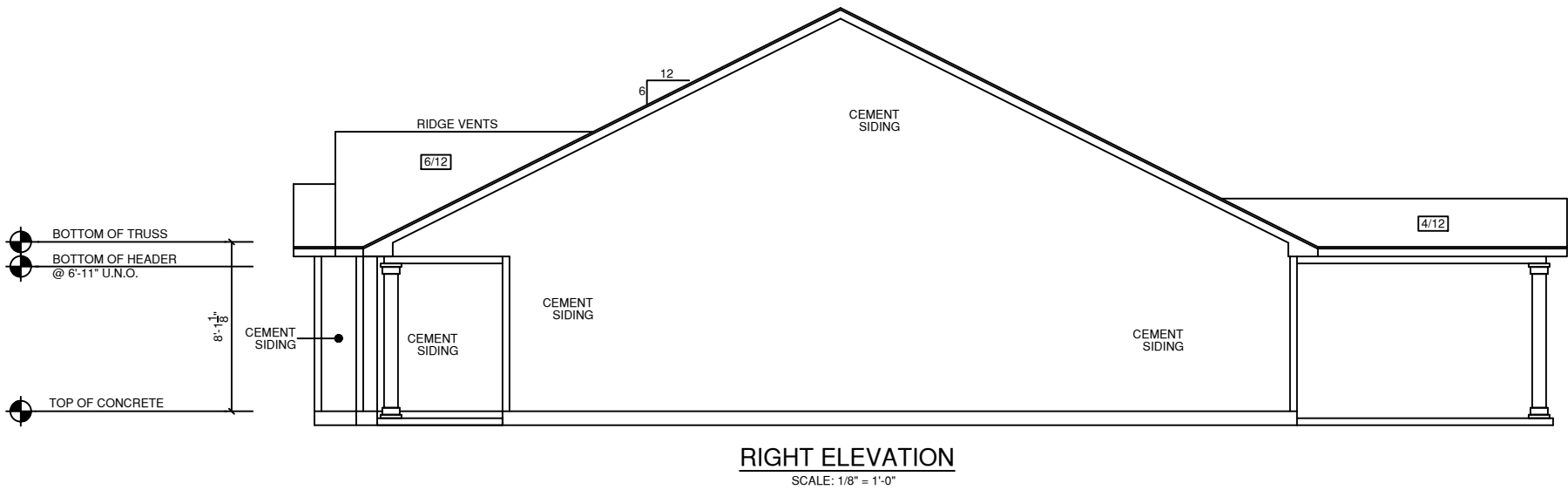
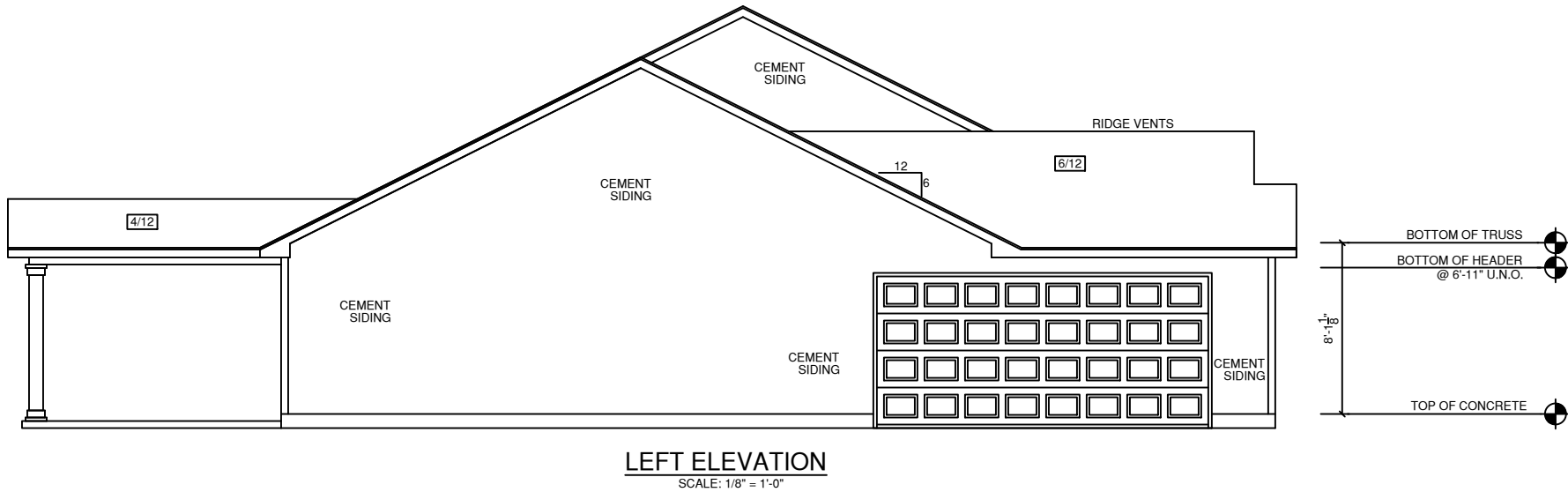
PERM: 11/15/2021 JPH

FINAL:

Front & Rear Elevation

Pamlico
"Classic"

PERMANENT
12-159 COLEMAN



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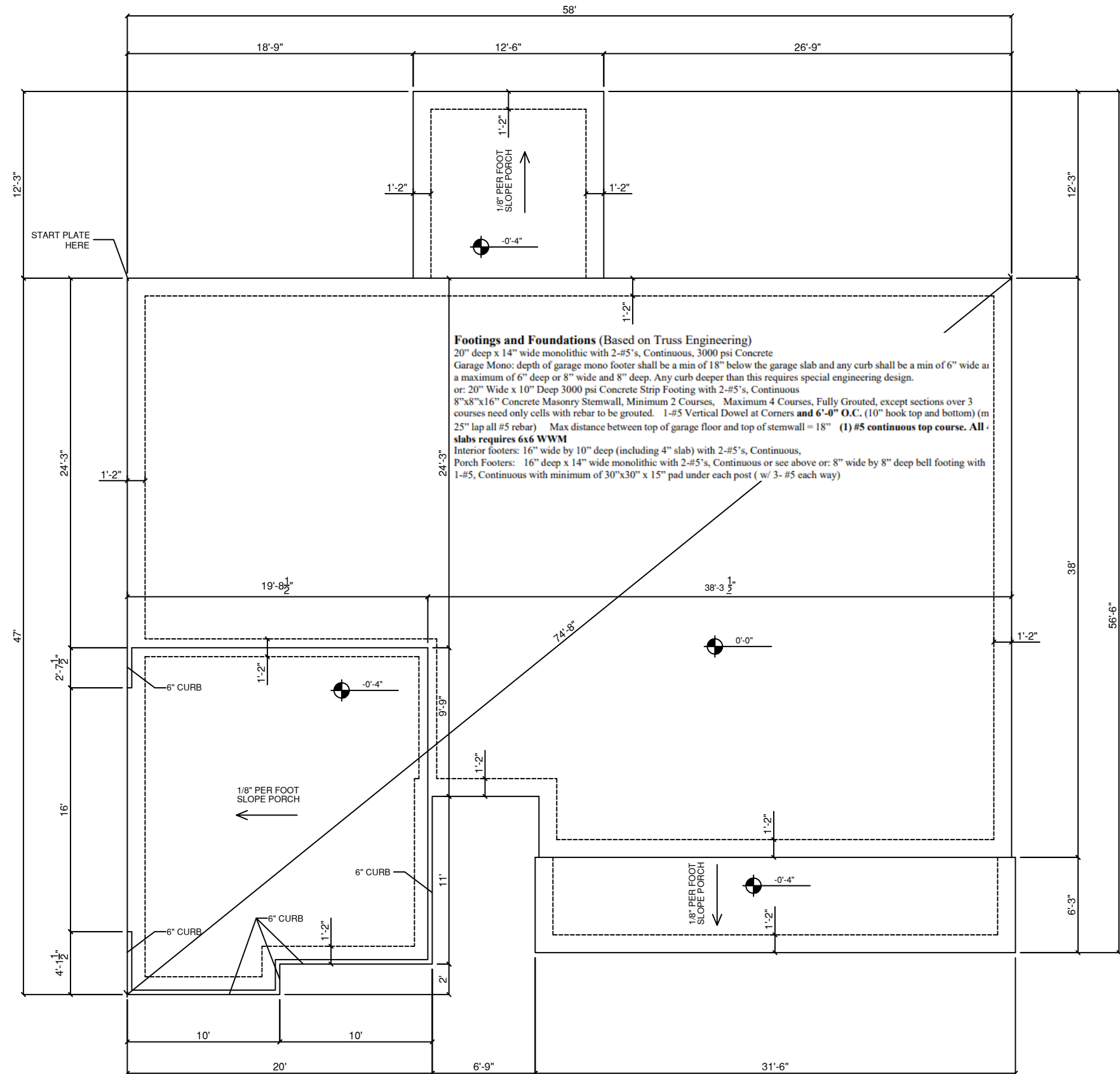
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FINAL:

Right & Left Elevation

Pamlico
"Classic"

PERMANENT
12-159 COLEMAN



MONOLITHIC SLAB FOUNDATION PLAN
SCALE 1/8" = 1'-0"

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homes

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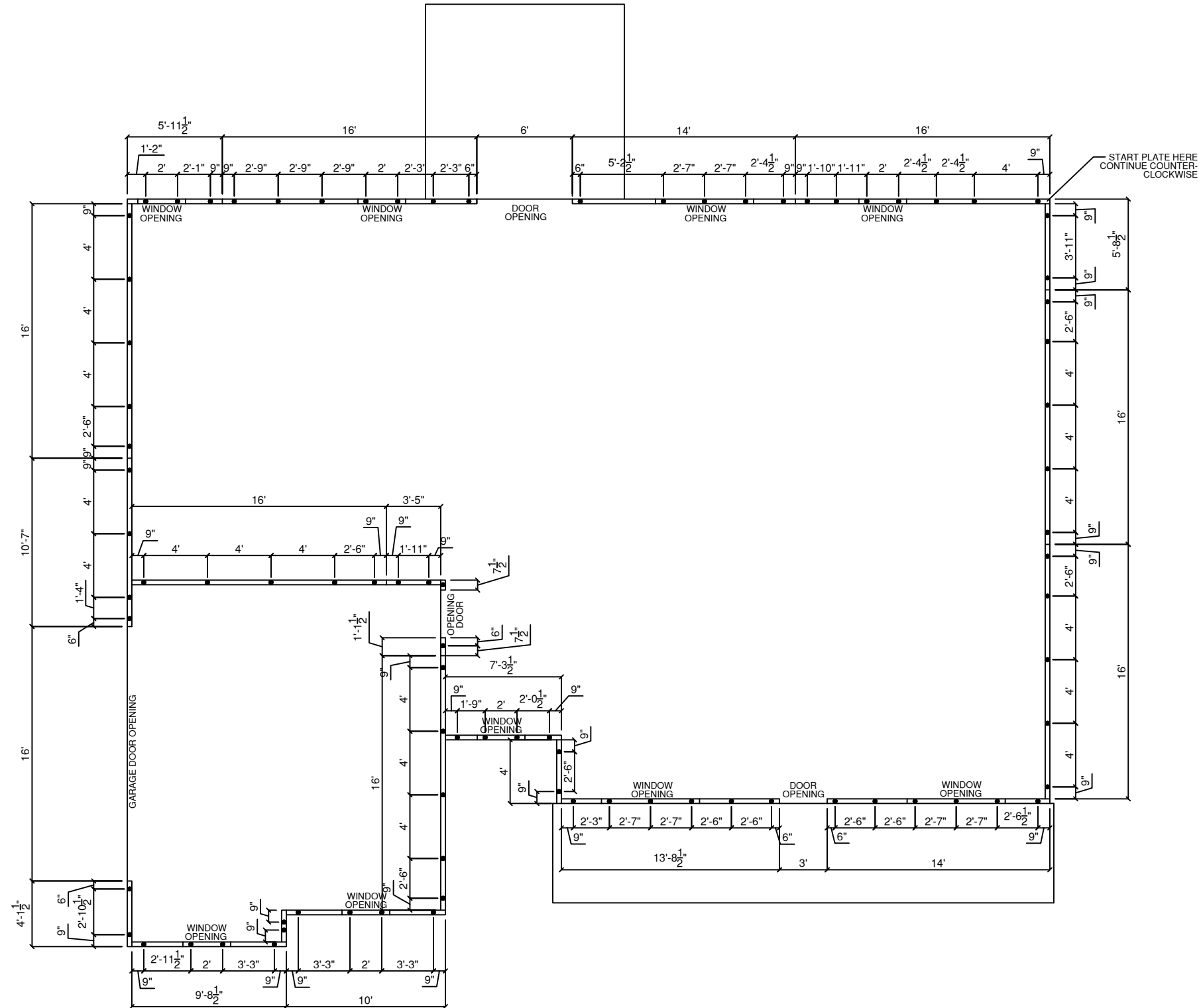
FINAL:

Slab Foundation

Pamlico

"Classic"

PERMANENT
12-159 COLEMAN



MONOLITHIC SLAB FOUNDATION PLAN
SCALE 1/8" = 1'-0"

PERMANENT
12-159 COLEMAN

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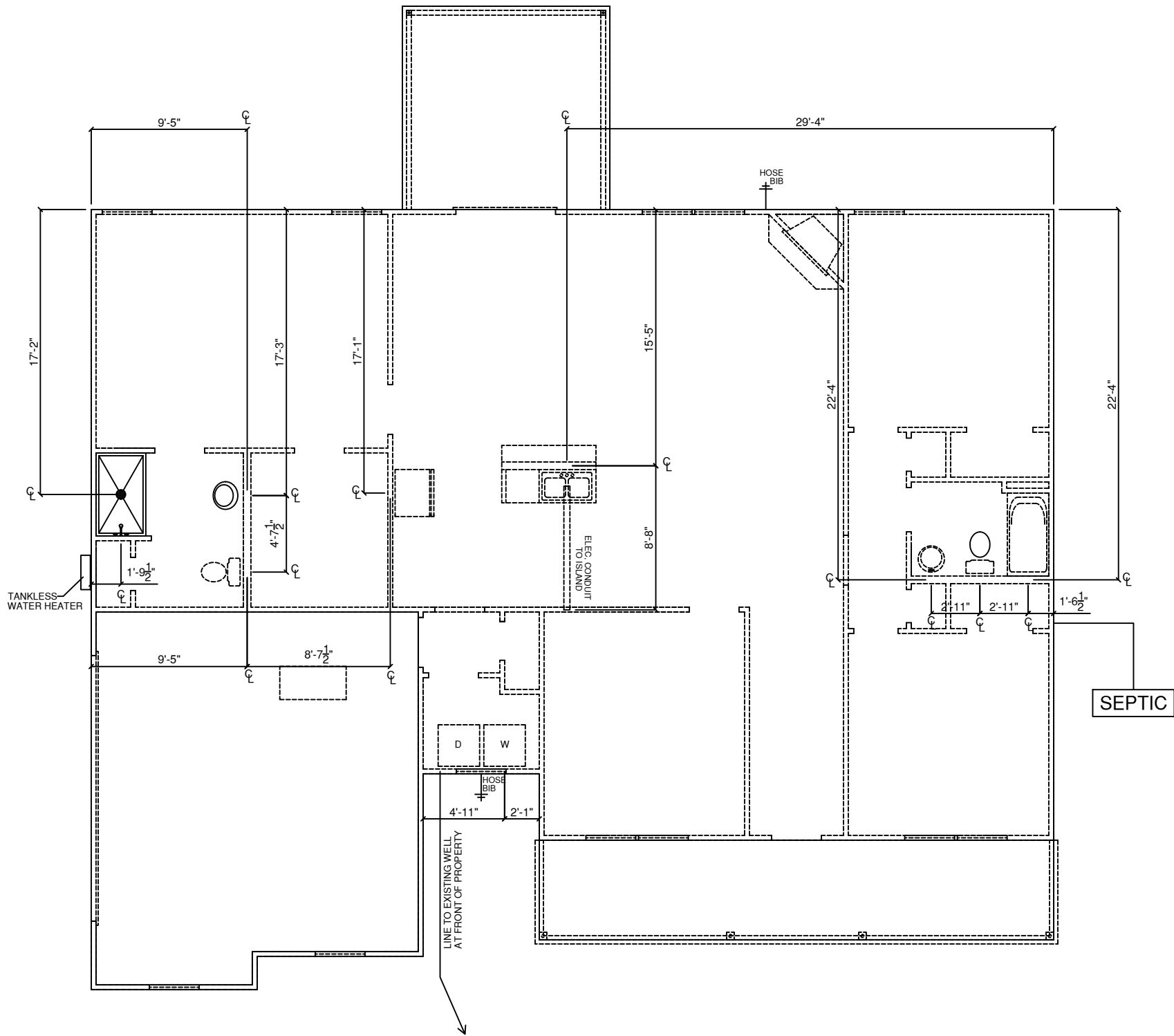
DRAFTING DATES:

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PERM: 11/15/2021 JPH
FINAL:

J Bolts

Pamlico
"Classic"

GAS



PLUMBING PLAN
SCALE 1/8" = 1'-0"

NOTE: DIMENSIONS TO THE
CENTER OF PLUMBING FIXTURES

GENERAL NOTES

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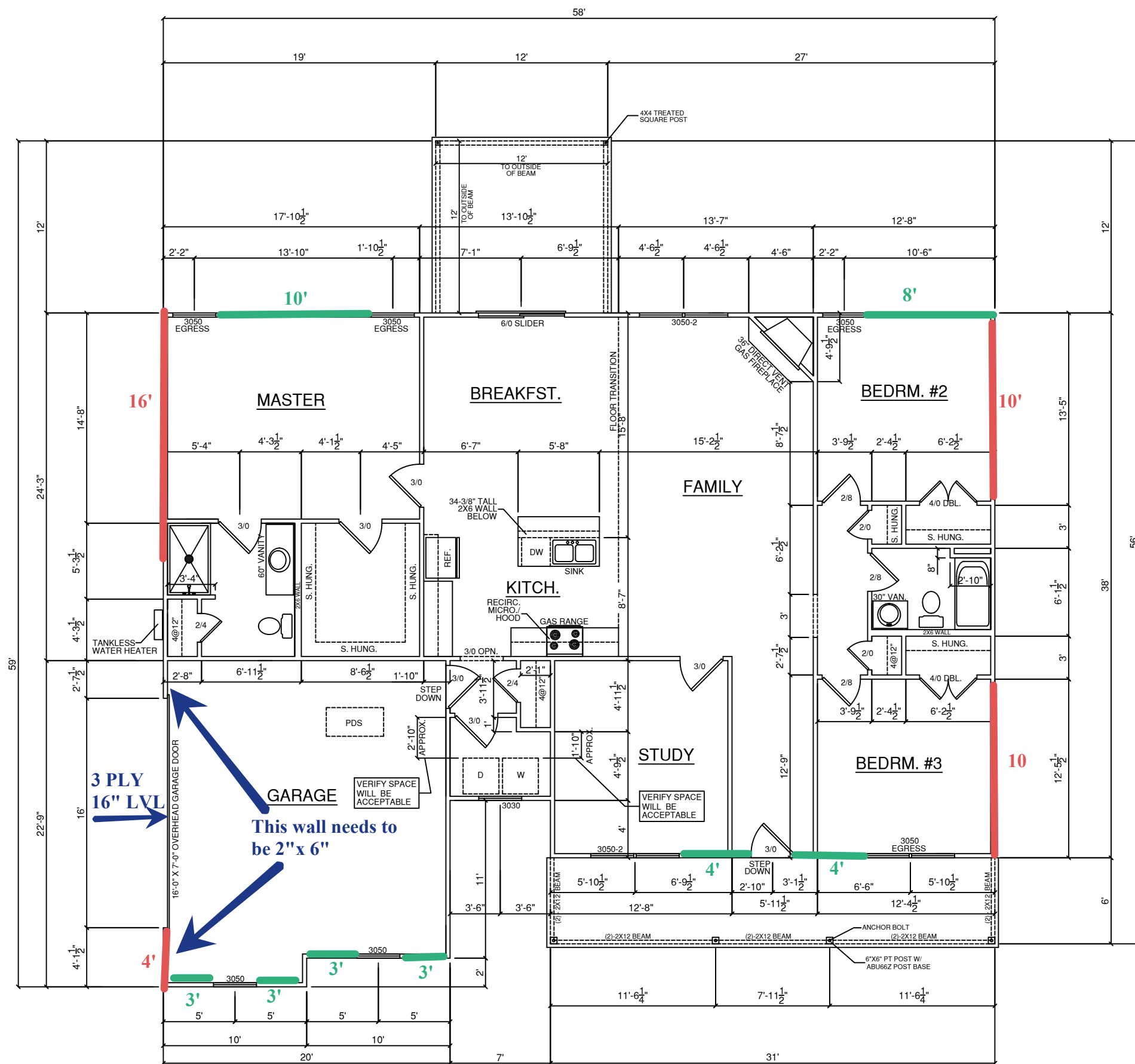
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FINAL:

Plumbing Plan

Pamlico
"Classic"

PERMANENT
12-159 COLEMAN



Trans. S.W. = 40'

Long. S.W. = 38'

SEPARATION

From the residence and attics

From habitable rooms above the garage

Structure(s) supporting floor/ceiling assemblies
used for separation required by this section

Garages located less than 3 feet from a dwelling unit on the same lot

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm.

MATERIAL

Not less than 1/2-inch gypsum board or equivalent applied to the garage side

Not less than 5/8-inch Type X gypsum board or equivalent

Not less than 1/2-inch gypsum board or equivalent

Not less than 1/2-inch gypsum board or equivalent applied to the interior side of exterior walls that are within this area

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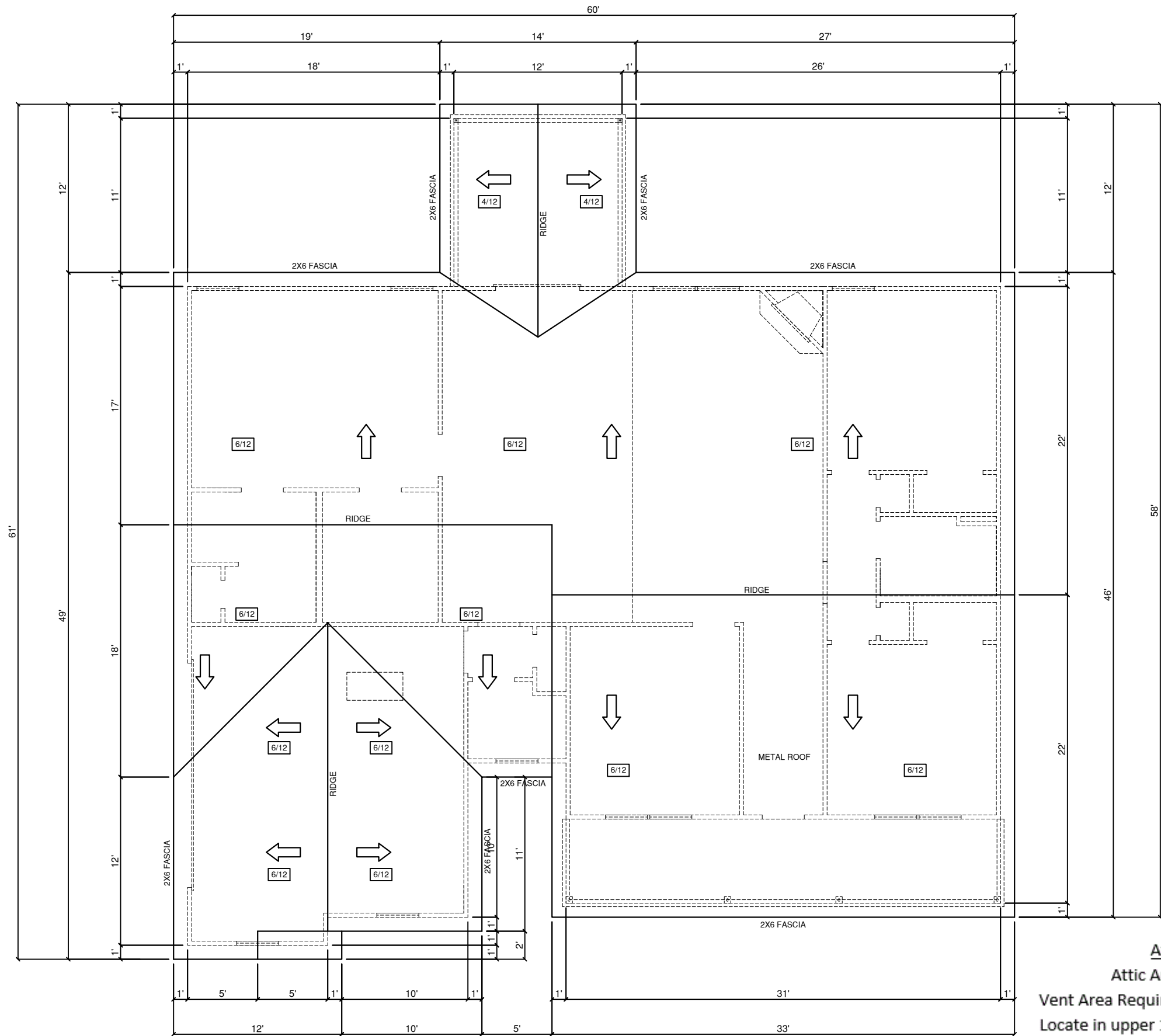
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FINAL:

Floor Plan

Pamlico
"Classic"

PERMANENT
12-159 COLEMAN



ROOF PLAN
SCALE 1/8" = 1'-0"

Attic Vent Calculation				
Attic Area	2522	÷	300	= 8.40667
Vent Area Required	8.4067	÷	2	= 4.20333
Locate in upper 1/2	4.2033	÷	0.72	= 5.83796
4 ft off Ridge vents	6			

PERMANENT
12-159 COLEMAN

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Roof Plan

Pamlico
"Classic"

ELECTRICAL SYMBOLS

◀	RECEPTACLE, PHONE
⦿	RECEPTACLE, CABLE
🔔	DOOR BELL CHIMES
Ⓢ	SMOKE / CARBON MONOXIDE DETECTOR
⦶	DUPLEX OUTLET
220V	220 VOLT RECEOTICAL
⦶GFI	GROUND FAULT INTER. OUTLET
⦶WP	WATER PROOF OUTLET
⚡	SINGLE POLE SWITCH
⚡3	THREE WAY SWITCH
⦿	LIGHT, SURFACE MOUNTED
⦿	LIGHT, WALL MOUNTED
▮	LIGHT, FLUORESCENT BOX
⎓	LIGHT, TRACK LIGHTING
⦿	FAN, EXHAUST
⦿X	FAN, CEILING FAN W/LIGHT

ELECTRICAL NOTES

1. ALL ELECTRICAL TO MEET N.E.C.

2. PROVIDE 200 AMP SINGLE PHASE SERVICE.

3. PROVIDE ALL COPPER WIRING.

4. CONTRACTOR TO CONNECT ALL FIXTURES AND APPLIANCES.

5. CONTRACTOR TO HAVE VALID LICENSE TO DO ELECTRICAL WORK

6. PROVIDE #5 REBAR ELECTRICAL GROUND TO FOUNDATION STEEL

7. PROVIDE AND INSTALL LOCALLY CERTIFIED SMOKE DETECTORS AS REQ. BY NATIONAL FIRE PROTECTION ASSOC. (NFFA) AND MEETING THE REQUIRMENTS OF ALL GOVERNING CODES.

8. PROVIDE AND INSTALL GROUND FAULT CIRCUIT-INTERRUPTERS (GFI) AS REQ. BY NATIONAL ELECTRIC CODE (NEC) AND MEETING THE REQUIRMENTS OF ALL GOVERNING CODES.

9. UNLESS OTHERWISE INDICATED, INSTALL SWITCHES & RECEPTICALS AT THE FOLLOWING HEIGHTS A. F. F.:

SWITCHES

42"

OUTLETS

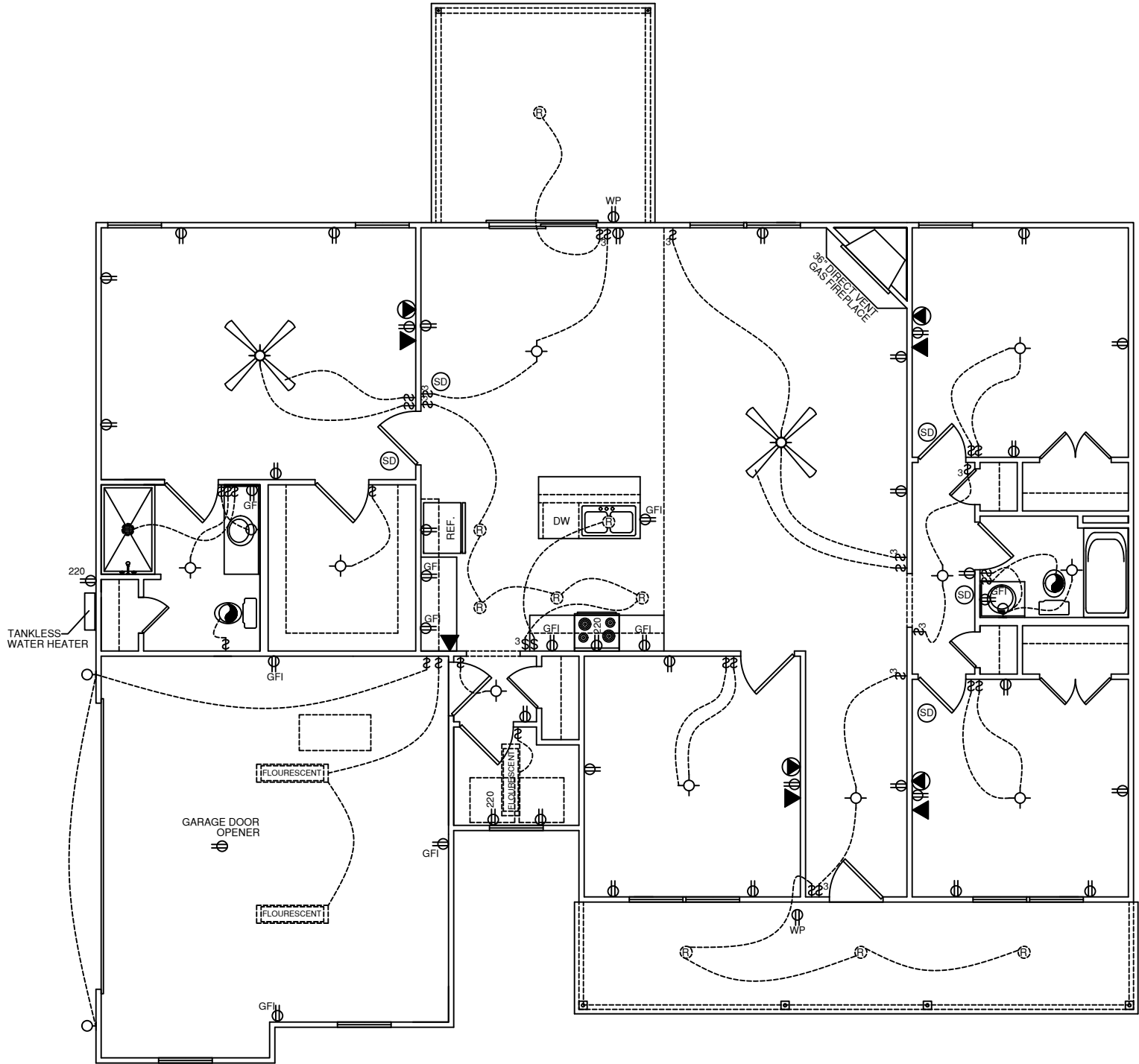
14"

TELEPHONE

14"

TELEVISION

14"



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

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FINAL:

Electrical Plan

Pamlico

"Countryside"

PERMANENT
12-159 COLEMAN

Wood Sections	Uplift Force Lbs	Top Connector Simpson **	Rating Lbs	Bottom Connector Simpson **	Rating Lbs
HEADERS					
	up to 455 lbs	LSTA9	775	H3	455
	up to 910 lbs	LSTA12	970	2-H3	910
	up to 1235 lbs	LSTA18	1235	LTT19	1350
	up to 1750 lbs	2-LSTA12	1940	LTT20	1750
	up to 2470 lbs	2-LSTA18	2470	HD2A-2.5	2565
	up to 2775 lbs	3-LSTA18	3705	HD2A-3.5	2775
	up to 3705 lbs	3-LSTA18	3705	HD5A-3	3705

Trusses/Girders - Uplift	
up to 600 lbs - use	H2.5A top, no special device required at bottom
over 600 lbs but under 990 lbs use	H10 top, no special device required at bottom
up to 1215 lbs use	TS22 or equivalent at top and LTT19 at bottom
up to 1750 lbs use	2-TS22 or equivalent at top and LTT20 at bottom
up to 2430 lbs use	2-TS22 or equivalent at top and HD2A bottom
up to 3645 lbs use	3-TS22 or equivalent at top and HD5A bottom

Note: Four (4) 12d comm toenails (2 on each side) required per truss/rafter per bearing point into plate to resist both lateral loads (wall to truss) and transverse loads (max plate height = 12", not including gable)

Horizontal Resistance (from truss loads) - Note: these devices are in addition to required toe-nails

up to 110 lbs - use H2.5A	Note: hardware to be used must satisfy both
up to 525 lbs use H10	uplift and horizontal resistance, combination
up to 1090 lbs use H10 plus A23	of devices is acceptable

	top		bottom	
BEAM SEATS	LSTA18*	1235	LTT19*	1350
POSTS	2-LSTA18	2400	ABU44 or ABU66	2200
	* or per truss engineering		Must Use proper bolt anchors	

Wall Sheathing Nailing Adequate Exterior Walls bottom (8d nails at 3" O.C.), must cover sill plate
Wall Sheathing Nailing Adequate Exterior Walls Top (8d nails at 3" O.C.), as long as sheathing covers top
plate, otherwise use SP2 @32" O.C. in addition to sheathing nailing,
Use SP2 top and SP1 bottom each stud an anchor bolts @ 32" O.C. for all interior load bearing walls that
have uplift. Interior anchor bolts to be 1/2" x 8" A307 or 1/2" x 6" wedge anchor with 2" washers

Note: For nailing into SPF members, multiply table values by .86
This item has been electronically signed and sealed by FRANK J SAPIENZA JR PE using Digital Signature.
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1/2" x 12" Plywood

2" x 12" SYP

2" x 4"

16d COMMON @16" O.C.
@Top & Bottom Edge

Other Wall Segments - Same as Shear Walls

Note: Must Strap each Outlooker to Gable End-Truss with Simpson H3 or equivalent

12 d comm at 6" O.C into solid blocking

Solid Blocking Between Outlookers (2x4 SYP #2) (Typ.)

Double Stud

Sheathing

2x4 SYP #2 Outlookers Max 24" O.C. Typ.

8d @ 4" O.C. (Typ.)

Top Plate

Horizontal Blocking

Sheathing nailed at required nail pattern (per W/L analysis)

Bottom Plate

Double Stud

Cripple

Header

Stud

Jack Stud

Cripple

2' Max

(2) 12d comm nails

(3) 12d comm nails

Gable Truss

2x4 Vertical Blocking at 4' O.C. between Gable end truss and second truss from wall.

Anchor or strap per windload engineer

The diagram illustrates the components of a window frame. At the top is a horizontal bar labeled "Header". Below it is a large rectangular opening. On the left and right sides of this opening are vertical bars labeled "Jacks". At the bottom of the opening is a horizontal bar labeled "Sill". The space between the jacks is divided into sections by vertical lines labeled "Studs".

Opening Width	#of Jacks	#of Studs
up to 4'	1	1
up to 6'	2	1
up to 9'	2	2
up to 12'	3	2
up to 14'	3	3
up to 18'	4	3
over 18' must be engineered		

Below the table, a horizontal double-headed arrow spans the width of the opening, labeled "Opening Width". To the right of this arrow, a vertical double-headed arrow indicates the height of a stud, labeled "Studs".

2x4 Stiffener for chords over 5' in vertical length

2x4 T-Blocking or Solid Blocking with Floor Sheathing (3/4" plyw @ each end of gable (within 8" from 2' O.C. to 8' from wall or to nearest Note: vertical blocking against end-tr be notched around top plate.

3d panel @ 6" O.C.

TRUSS

H2.5 or equiv.

Bottom chord of truss (Flat or sloped)

Min (2) 12d comm Nails (typ)

Min (4) 12d comm Nails (typ)

1/2" Gypsum Diaphr nail at 4" O.C. Typ

2 x 4 SYP Blocking (continuous) w/ 12d at 6" O.C. Nail per W/L requirements

Sheathing per Windload

Note: Any chord on gable end—truss with a vertical distance over 5' requires a 2x4 SP #2 stiffener nailed to it.

- 1.) MAIN FLOOR PLATE HEIGHT TO BE 8'-0" UNLESS NOTED OTHERWISE.
- 2.) OPTIONAL BONUS PLATE HEIGHT TO BE 8'-0" UNLESS NOTED OTHERWISE.
- 3.) INTERIOR & EXTERIOR WALLS TO BE DRAWN @ 3 1/2" UNLESS NOTED OTHERWISE
- 4.) ALL ANGLES TO BE DRAWN AT 45° OR 90° UNLESS NOTED OTHERWISE.
- 5.) WINDOW HEADER HEIGHT TO BE SET @ 6'-11" UNLESS NOTED OTHERWISE. HEADER SIZE AND MATERIAL TO BE DETERMINED & VERIFIED BY FRAMER, BUILDER, TRUSS SHOP OR BY A LICENSED ENGINEER.
- 6.) SIZE, LOCATION AND MATERIALS OF BEAMS TRUSSES, GIRDERS AND HEADERS TO BE DETERMINED & VERIFIED BY BUILDER, FRAMER TRUSS SHOP OR LICENSED ENGINEER.
- 7.) FOOTER SIZE, MATERIAL & LOCATIONS TO BE VERIFIED AND DETERMINED BY BUILDER, FOOTER CONTRACTOR OR LICENSED ENGINEER.
- 8.) ROOF VENTILLATION TO BE DETERMINED & VERIFIED BUILDER, ROOFING COTRCTOR OR LICENSED ENGINEER.
- 9.) ALL MECHANICAL SYSTEMS DESIGNS, LOCATIONS AND SIZING TO BE DETERMINED & VERIFIED BY HVAC APPROPRIATE TRADE CONTRACTOR AND OR LICENSED ENGINEER.
- 10.) BUILDER RESPONSIBLE FOR VERIFYING AND COMPLYING WITH ALL LOCAL, STATE & NATIONAL CODES.
- 11.) LOCAL, STATE AND NATIONAL CODES TAKE PRECEDENCE OVER DRAWINGS.
- 12.) BUILDER TO VERIFY ALL DIMENSIONS.



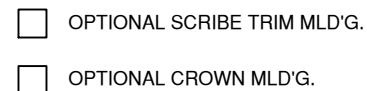
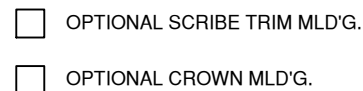
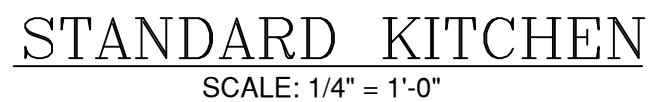
RED DOOR
homes

[illegible]

MASTER DATE: 07/31/20
PRELIMINARY: 10/20/2021 JPH
PERM: 11/15/2021 JPH
FINAL:

Pamlico
"Classic"

PERMANENT
12-159 COLEMAN



WC: WALL CABINET
B: BASE CABINET
SB: SINK BASE
CB: CORNER BASE

Pamlico
"Classic"

PERMANENT
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