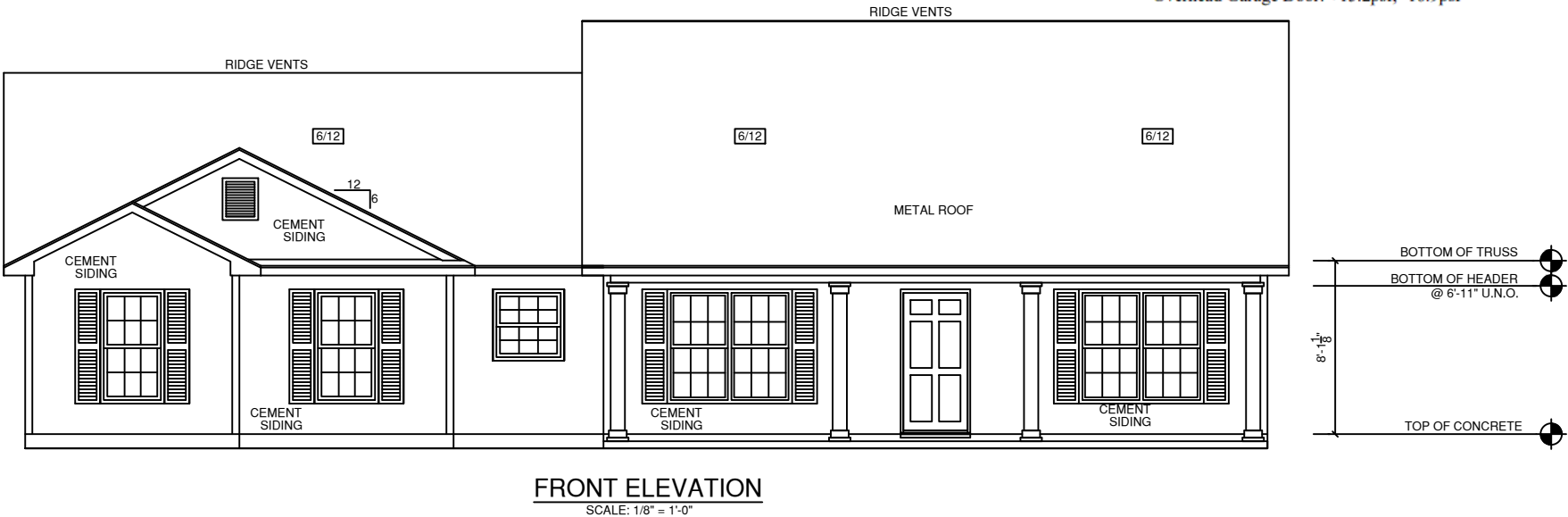


Frank J  
Sapienza  
Jr

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

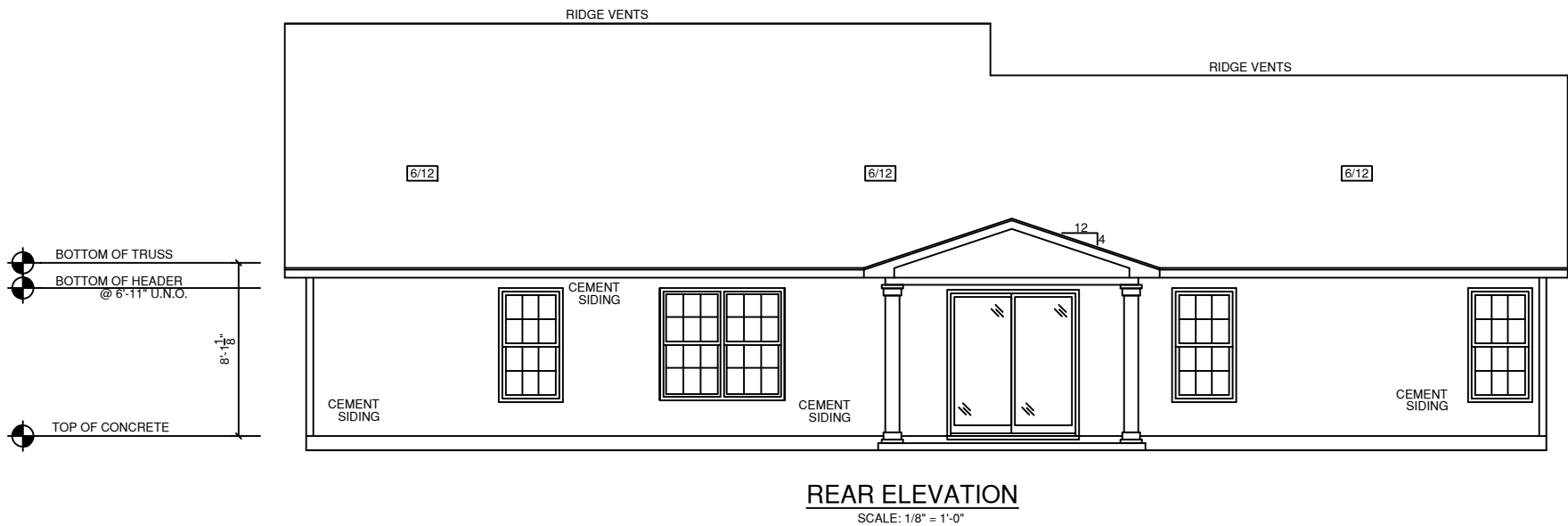
Wind Load Analysis and Certification  
Coleman Residence (Pamlico"Classic") by Red Door Homes

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



PERMANENT  
12-159 COLEMAN

GENERAL NOTES

- 1.) MAIN FLOOR PLATE HEIGHT TO BE 8'-0" UNLESS NOTED OTHERWISE.
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LICENSED TO RED DOOR HOMES OF:  
OFFICE NAME



SQUARE FOOTAGE CHART

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

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CITY:

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PHASE:

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BLOCK:

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LOT:

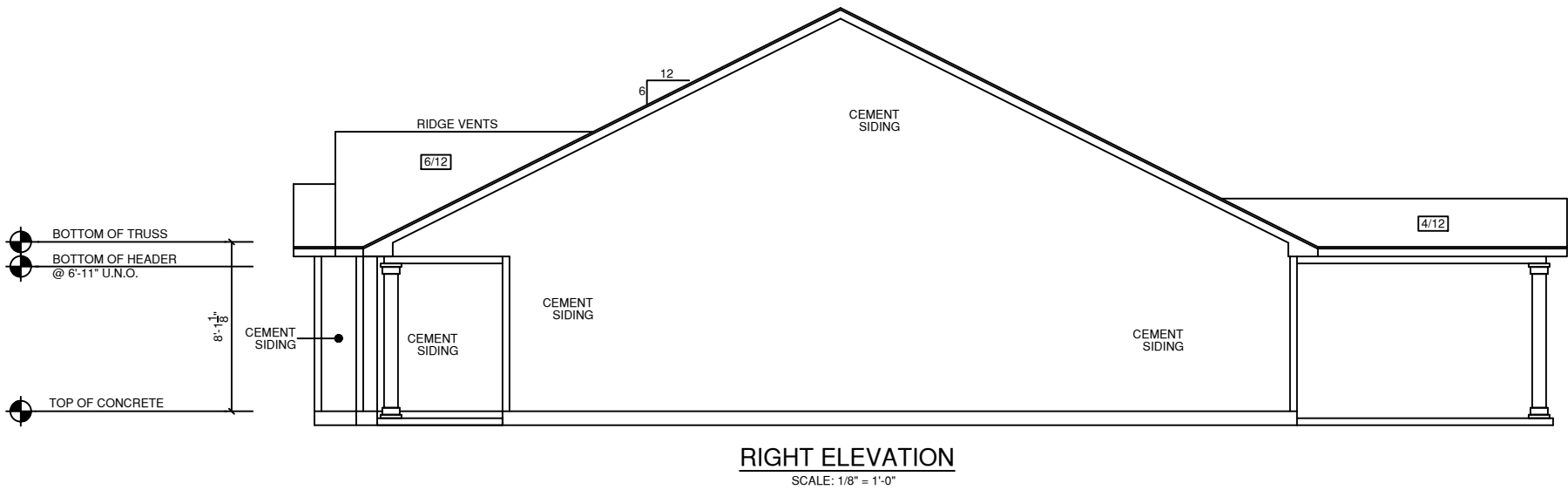
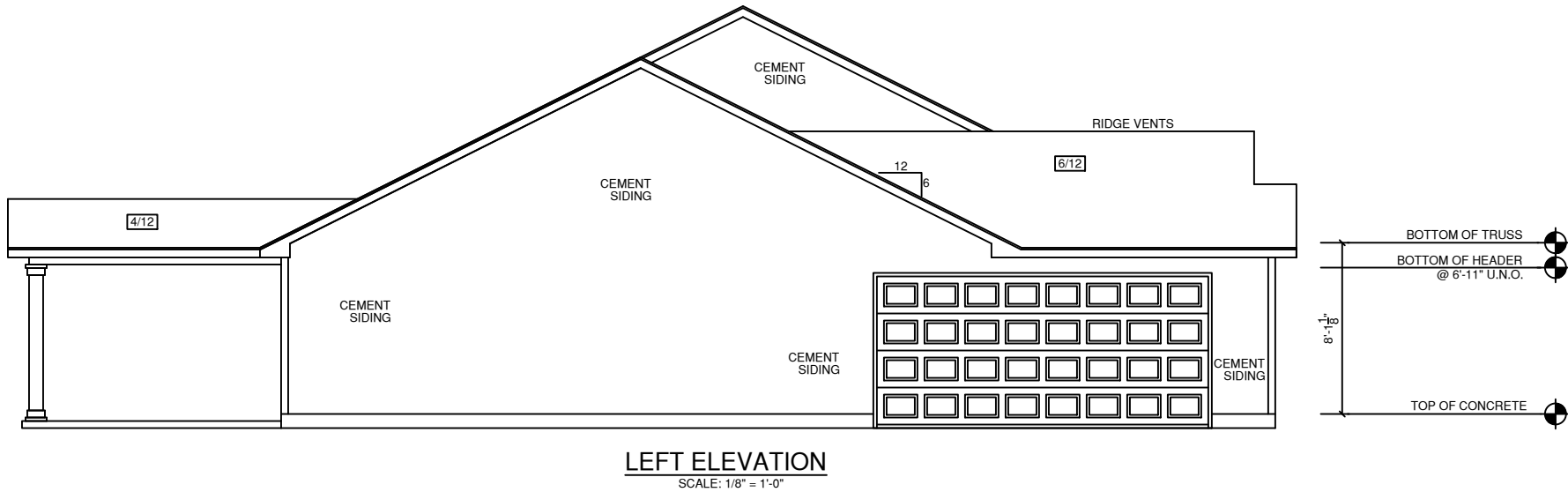
XXXXXXXXXX

DRAFTING DATES:

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

Front & Rear Elevation

Pamlico  
"Classic"



### GENERAL NOTES

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OFFICE NAME



### RED DOOR homes

|                              |      |
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SUBDIVISION NAME:

XXXXXXXXXX

CITY:

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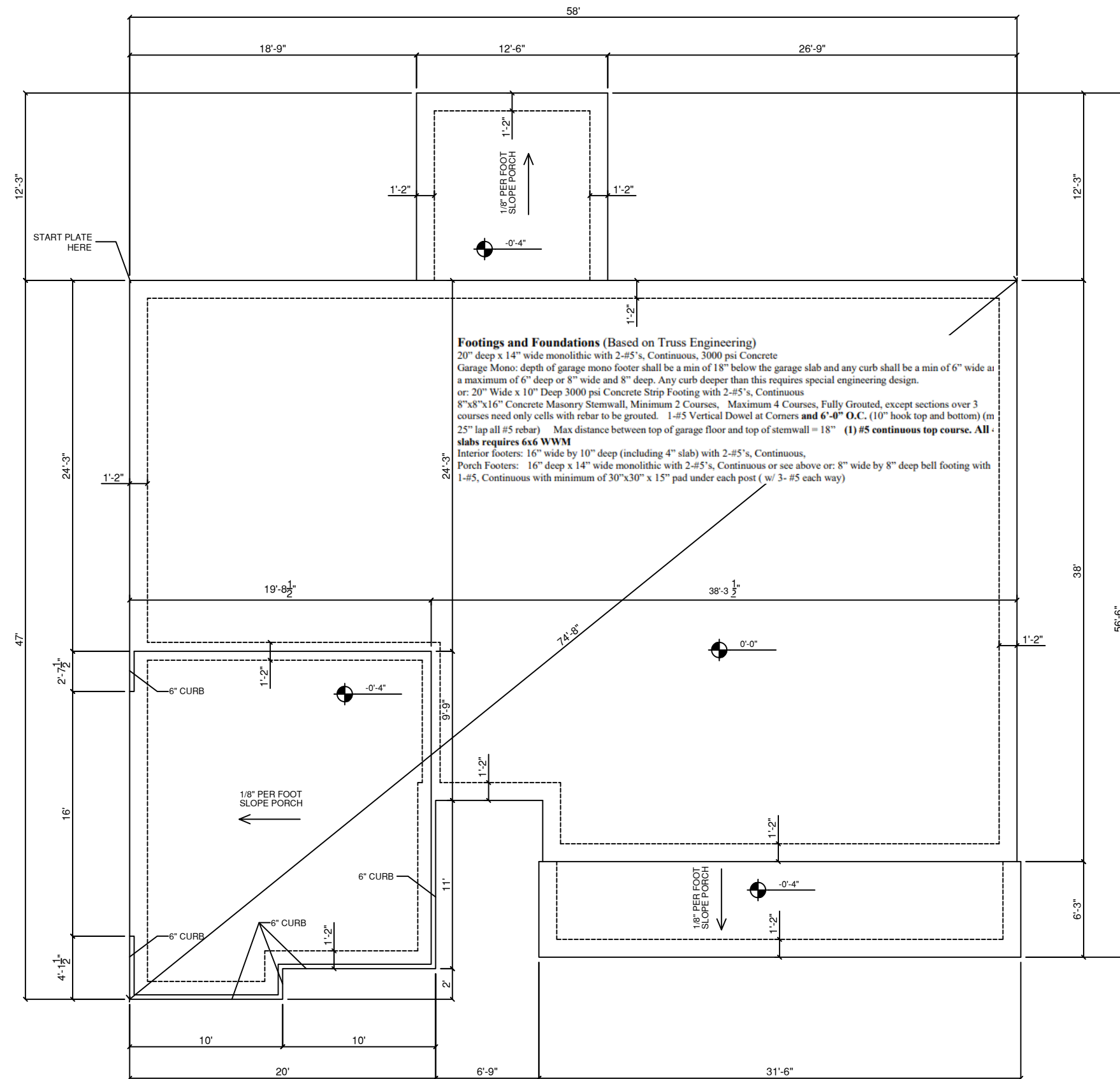
DRAFTING DATES:

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

Right & Left Elevation

Pamlico  
"Classic"

PERMANENT  
12-159 COLEMAN



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

## GENERAL NOTES

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OFFICE NAME



## SQUARE FOOTAGE CHART

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| SUBDIVISION NAME: | XXXXXXXXXX |
| CITY:             | XXXXXXXXXX |
| PHASE:            | XXXXXXXXXX |
| BLOCK:            | XXXXXXXXXX |
| LOT:              | XXXXXXXXXX |

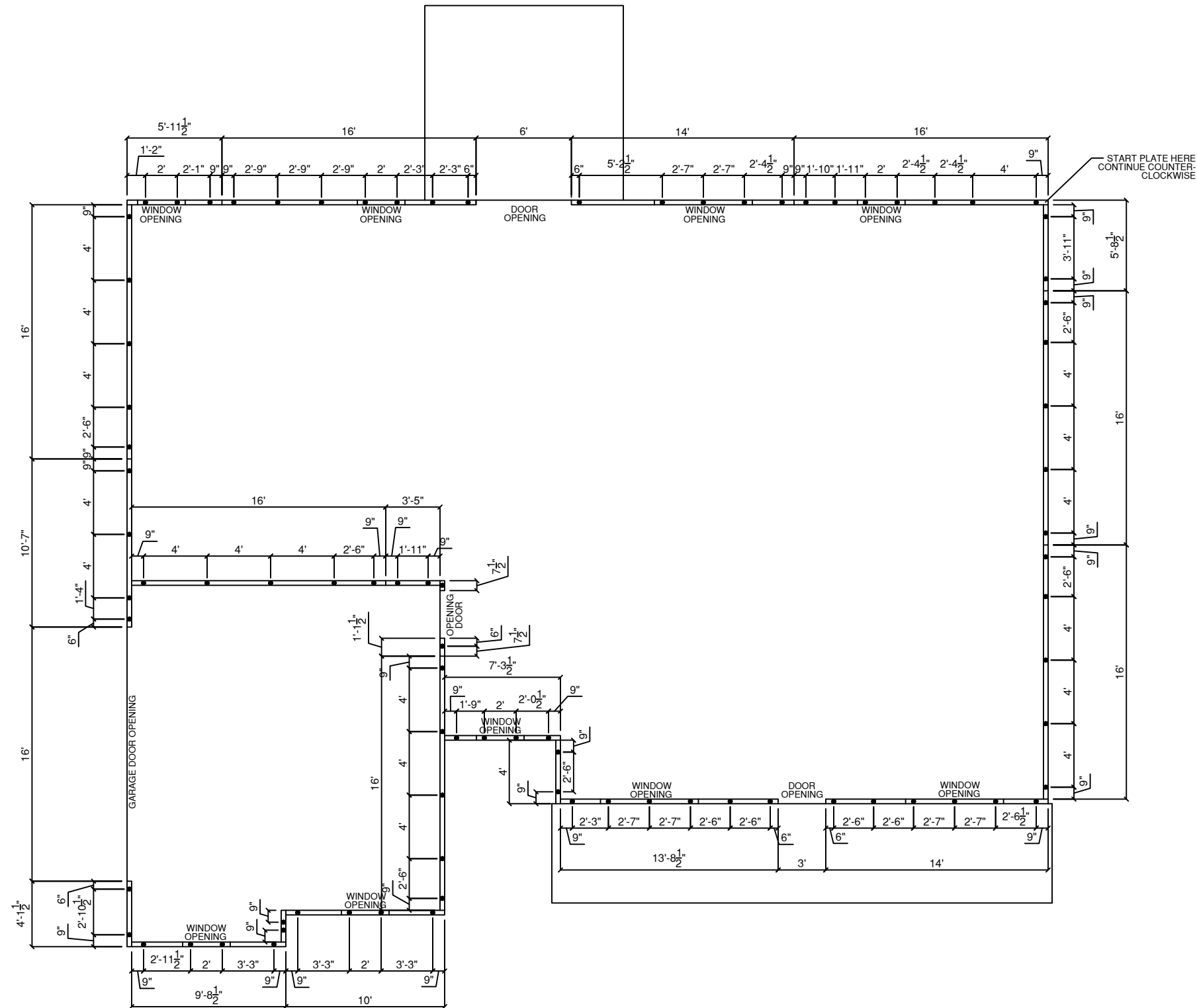
## DRAFTING DATES:

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

Slab Foundation

Pamlico  
"Classic"

PERMANENT  
12-159 COLEMAN



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

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## SQUARE FOOTAGE CHART

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| SUBDIVISION NAME: | XXXXXXXXXX |
| CITY:             | XXXXXXXXXX |
| PHASE:            | XXXXXXXXXX |
| BLOCK:            | XXXXXXXXXX |
| LOT:              | XXXXXXXXXX |

## DRAFTING DATES:

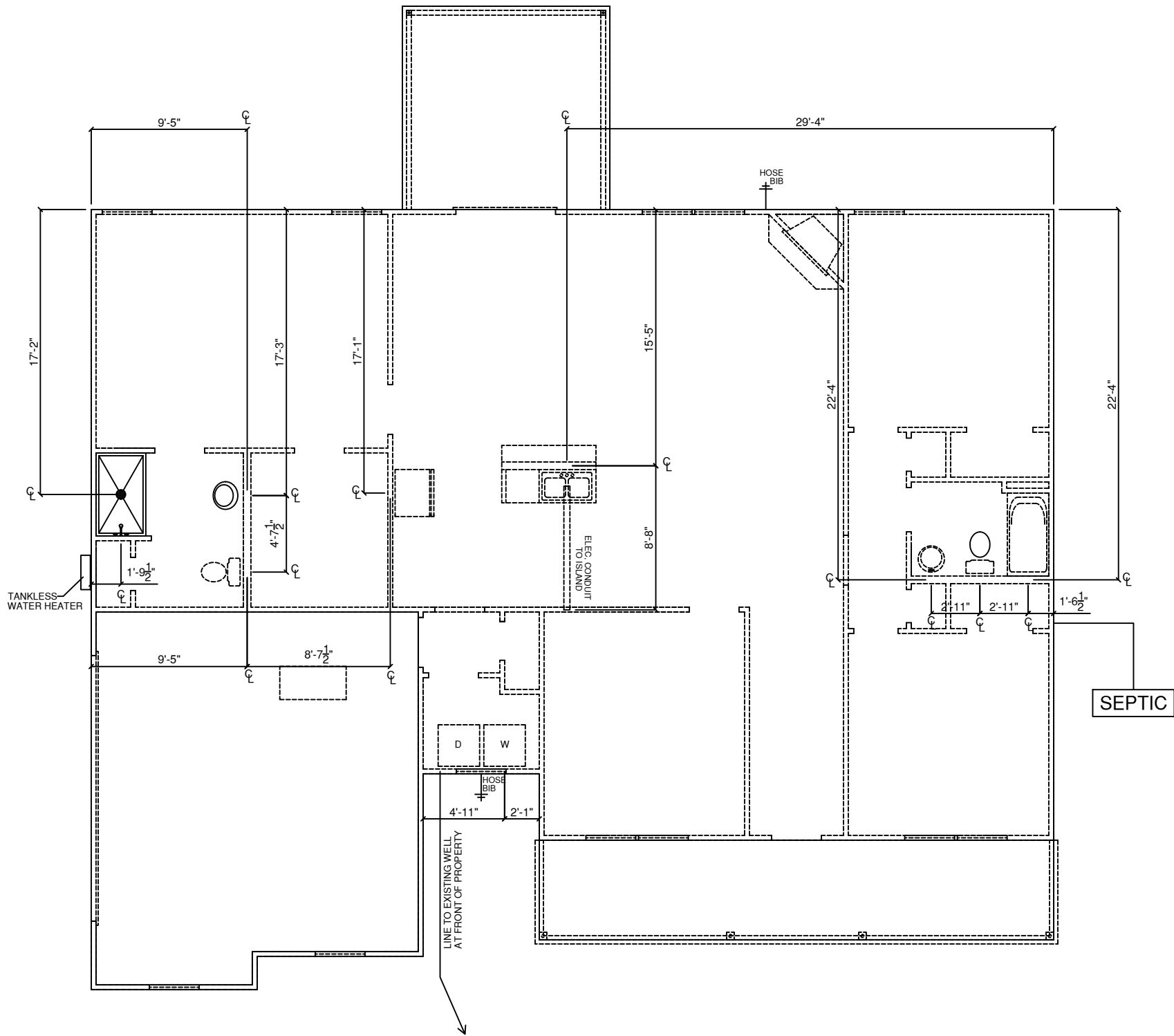
MASTER DATE: 07/31/20  
PRELIMINARY: 10/20/2021 JPH  
PERM: 11/15/2021 JPH  
FINAL:

J Bolts

Pamlico  
"Classic"

PERMANENT  
12-159 COLEMAN

GAS



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

NOTE: DIMENSIONS TO THE  
CENTER OF PLUMBING FIXTURES

GENERAL NOTES

- 1.) MAIN FLOOR PLATE HEIGHT TO BE 8'-0" UNLESS NOTED OTHERWISE.
- 2.) OPTIONAL BONUS PLATE HEIGHT TO BE 8'-0" UNLESS NOTED OTHERWISE.
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SQUARE FOOTAGE CHART

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SUBDIVISION NAME: XXXXXXXXXXXX

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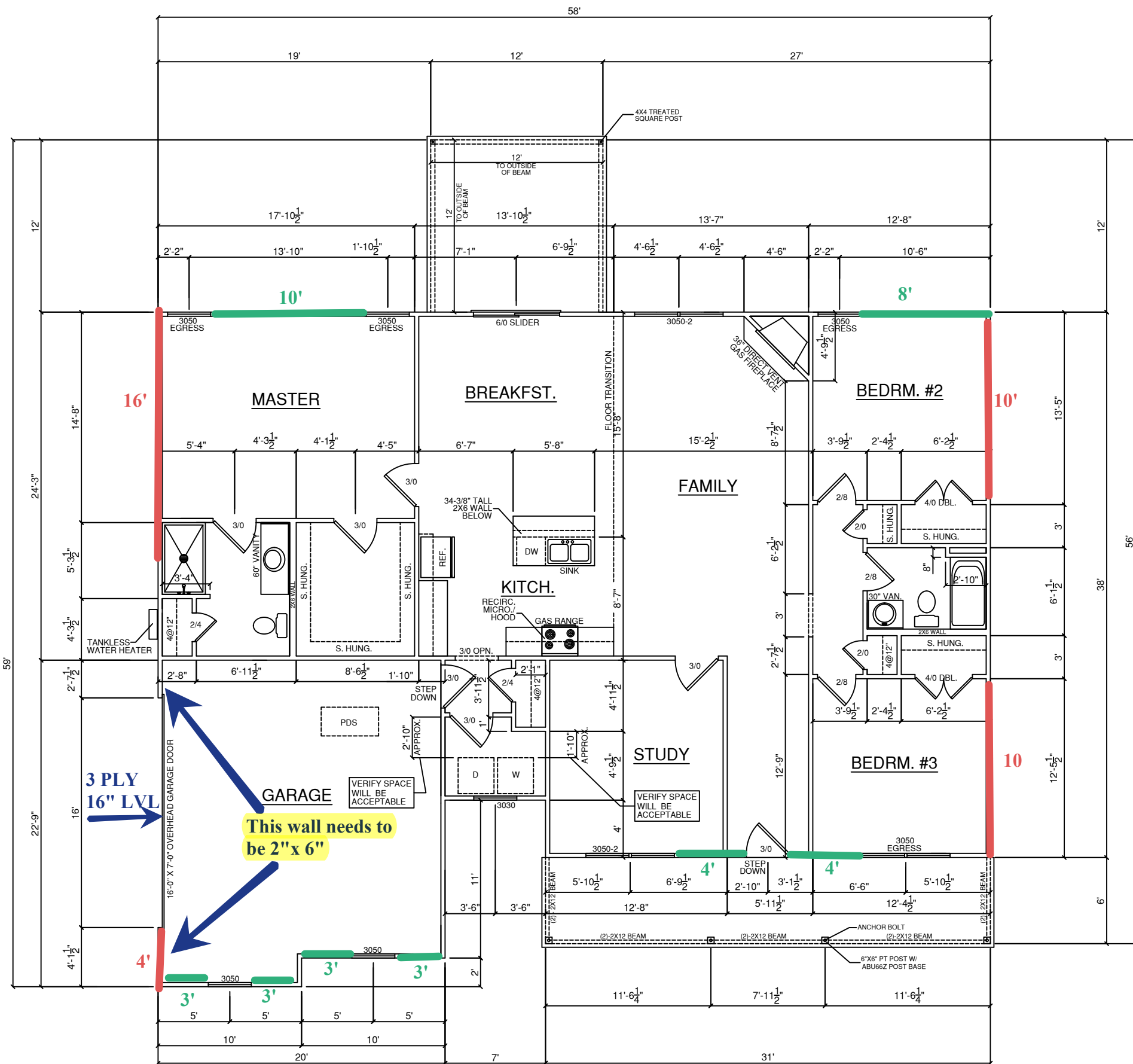
LOT: XXXXXXXXXXXX

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

Plumbing Plan

Pamlico  
"Classic"

PERMANENT  
12-159 COLEMAN



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

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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SQUARE FOOTAGE CHART

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SUBDIVISION NAME:

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BLOCK:

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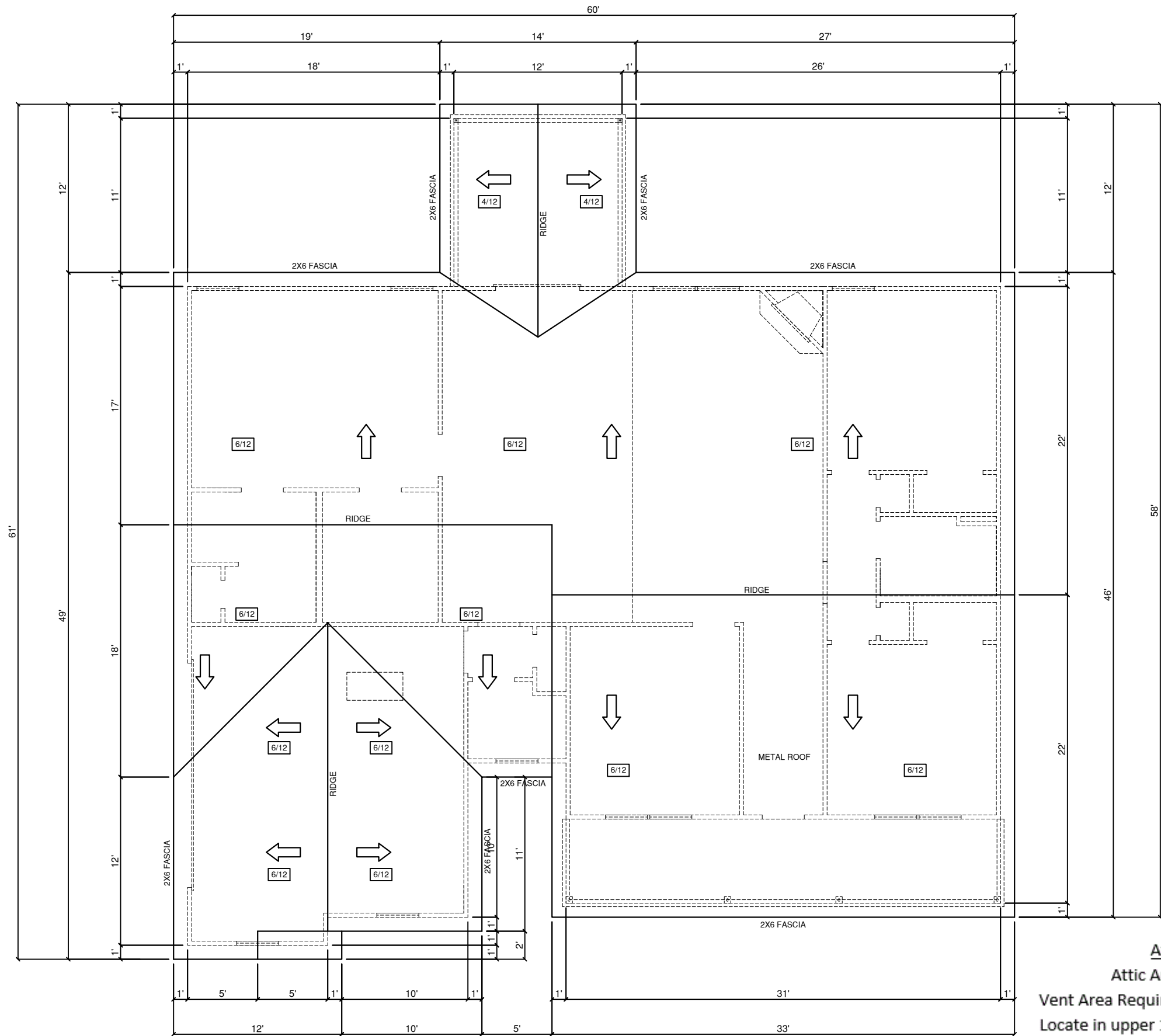
DRAFTING DATES:

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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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### RED DOOR homes

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SUBDIVISION NAME:  
XXXXXXXXXX

CITY:  
XXXXXXXXXX

PHASE:  
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BLOCK:  
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LOT:  
XXXXXXXXXX

DRAFTING DATES:

|                             |
|-----------------------------|
| MASTER DATE: 07/31/20       |
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| FINAL:                      |

Roof Plan

Pamlico  
"Classic"

ELECTRICAL SYMBOLS

|  |                                  |
|--|----------------------------------|
|  | RECEPTACLE, PHONE                |
|  | RECEPTACLE, CABLE                |
|  | DOOR BELL CHIMES                 |
|  | SMOKE / CARBON MONOXIDE DETECTOR |
|  | DUPLEX OUTLET                    |
|  | 220 VOLT RECEOTICAL              |
|  | GROUND FAULT INTER. OUTLET       |
|  | WATER PROOF OUTLET               |
|  | SINGLE POLE SWITCH               |
|  | THREE WAY SWITCH                 |
|  | LIGHT, SURFACE MOUNTED           |
|  | LIGHT, WALL MOUNTED              |
|  | LIGHT, FLUORESCENT BOX           |
|  | LIGHT, TRACK LIGHTING            |
|  | FAN, EXHAUST                     |
|  | 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

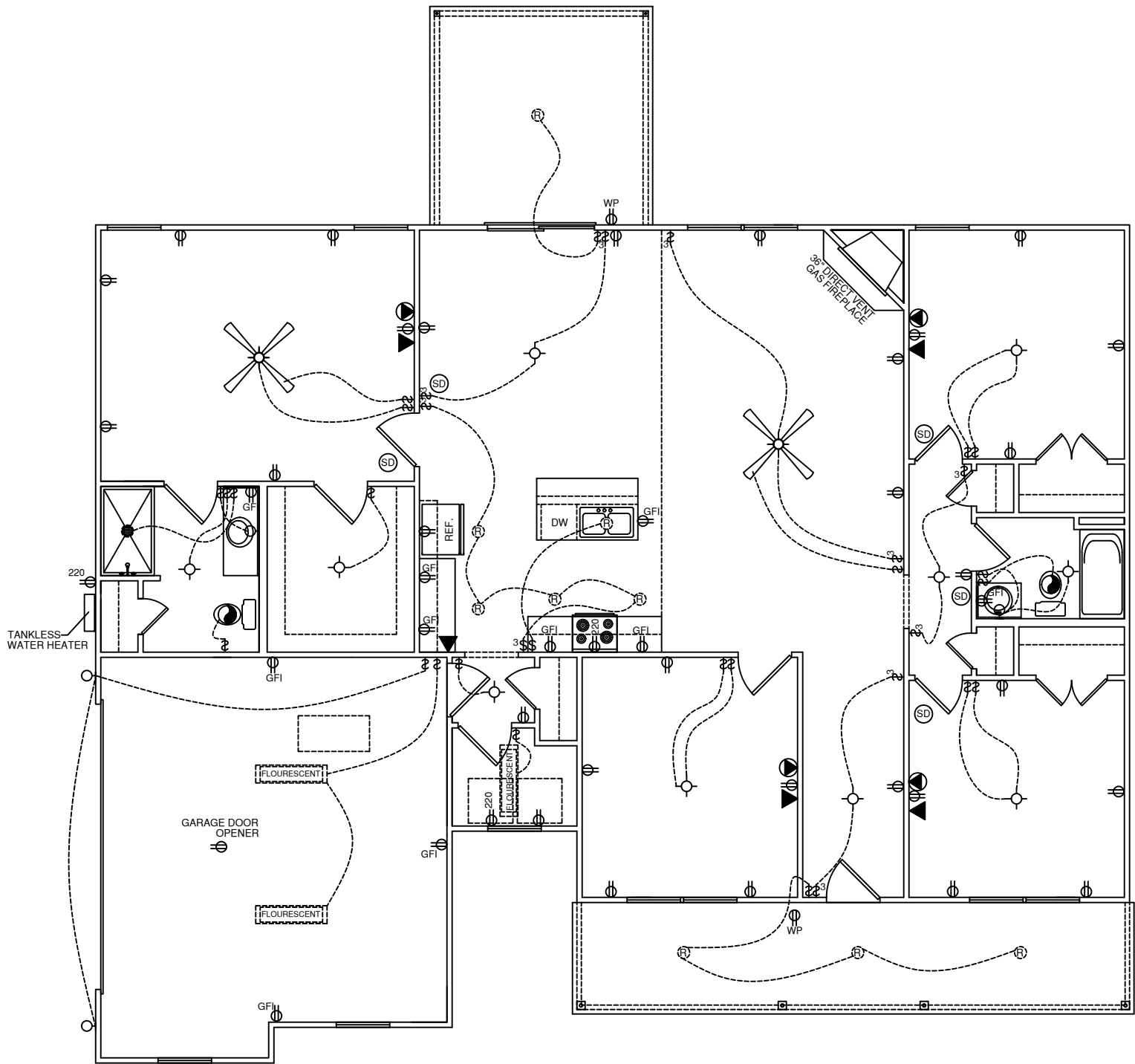
14"

TELEPHONE

14"

TELEVISION

14"



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

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SQUARE FOOTAGE CHART

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

XXXXXXXXXX

CITY:

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BLOCK:

XXXXXXXXXX

LOT:

XXXXXXXXXX

DRAFTING DATES:

MASTER DATE: 07/31/20

PRELIMINARY: 10/20/2021 JPH

PERM: 11/15/2021 JPH

FINAL:

Electrical Plan

Pamlico

"Countryside"

PERMANENT  
12-159 COLEMAN

HOLD-DOWN TABLE

| 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       |
| To determine uplift force on header at each end, total the uplifts for each truss resting on the header and divide by 2 (assumes uniform load)      Note: must use proper bolt anchors sufficient to support required load |                  |                          |            |                             |            |

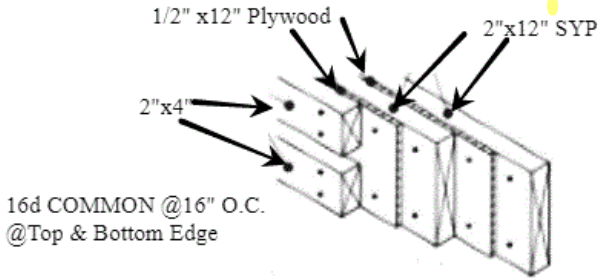
|                                                                                                                         |  |
|-------------------------------------------------------------------------------------------------------------------------|--|
| Trusses/Girders - Uplift                                                                                                |  |
| 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                                                          |  |
| Must Use proper bolt anchors                                                                                            |  |
| Note: it is the contractors responsibility to provide a continuous load path from truss/rafter/ridge beam to foundation |  |
| Strap rafters to truss or at each end with min uplift resistance of 450 lbs each end                                    |  |
| Strap ridge beam at each end with min uplift resistance of 1800 lbs                                                     |  |

|                                                                                                                                                                                                                         |                                                                                                                    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| 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 uplift and horizontal resistance, combination of devices is acceptable |
| up to 525 lbs use H10                                                                                                                                                                                                   |                                                                                                                    |
| up to 1090 lbs use H10 plus A23                                                                                                                                                                                         |                                                                                                                    |

|            |                            |      |                              |      |
|------------|----------------------------|------|------------------------------|------|
|            | 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 |      |

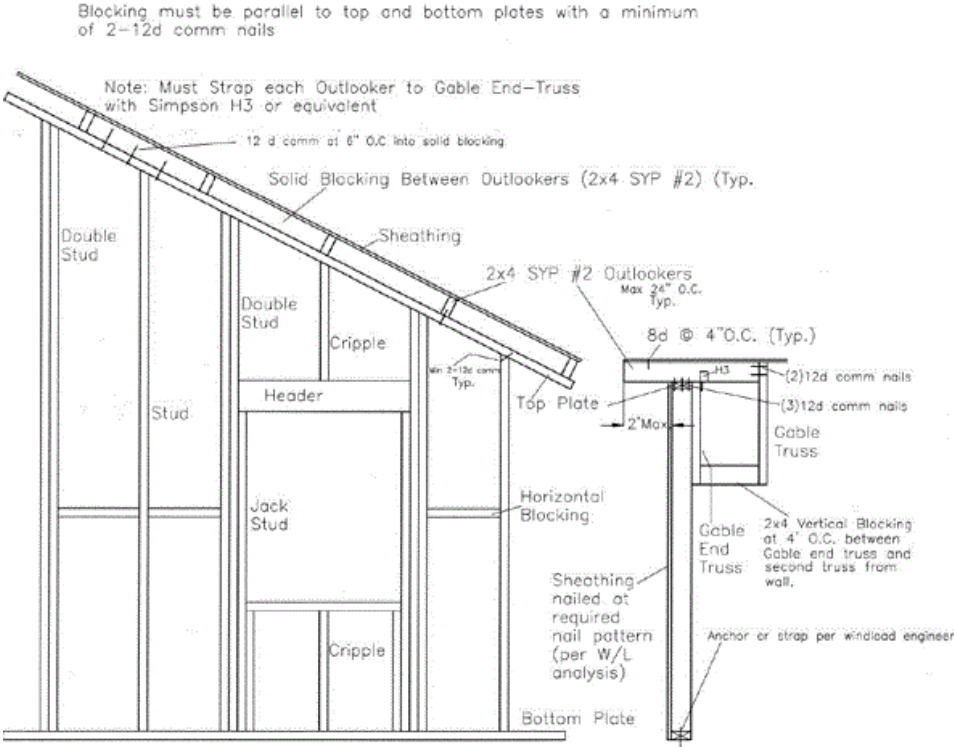
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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| STUDS                                                                                                                                                                                                     |  |
| 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 ancor 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 |  |
| Please Note:All Beams must be sheathed or strapped to double top plate (if applicable)                                                                                                                    |  |
| An equivalent device of same or other manufactures can be substituted for any of the devices specified on this page as long as it meets the required load capacities                                      |  |
| 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.                                                                                                   |  |
| Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.                                                                         |  |

Typical Header Detail



Shear Wall Segments

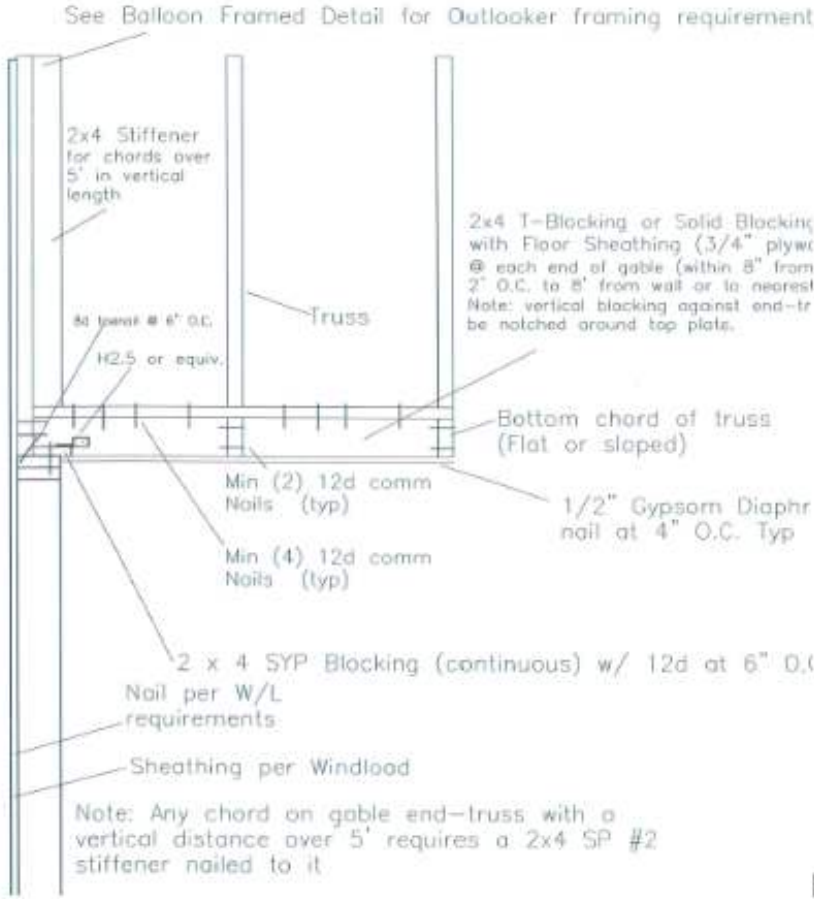
7/16" OSB or 1/2" CDX plywood, 48" Wide Sheets - Sheathing Continuous from Top Plate down to Pressure Treated Sole Plate Bearing on Foundation.  
8d common (.131" dia) nails at 3" O.C. on Edges and Ends, 8" O.C. in Interior  
Transverse Shearwall = 40', Longitudinal Shearwall = 38'  
2x4 SPF (No. 1&2) Studs at 16" O.C., up to 12'  
or: 2x6 SPF (No. 1&2) Studs at 16" O.C., up to 17'  
See attached detail for stud and jack requirements for wall openings  
Nail Together Double Top Plate 6" O.C. w/12-d Common Nails (SYP top plates)  
Other Wall Segments - Same as Shear Walls



Number of Jack and Stud Requirements per Opening Width  
2x4 or 2x6 SPF #1&2 Construction – max Wall Height=12'  
(based on 16" O.C. Stud Spacing)

| 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 |           |

Note – Based on uniform loads. Heavy concentrated loads require engineering review



PERMANENT  
12-159 COLEMAN

GENERAL NOTES

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- 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.
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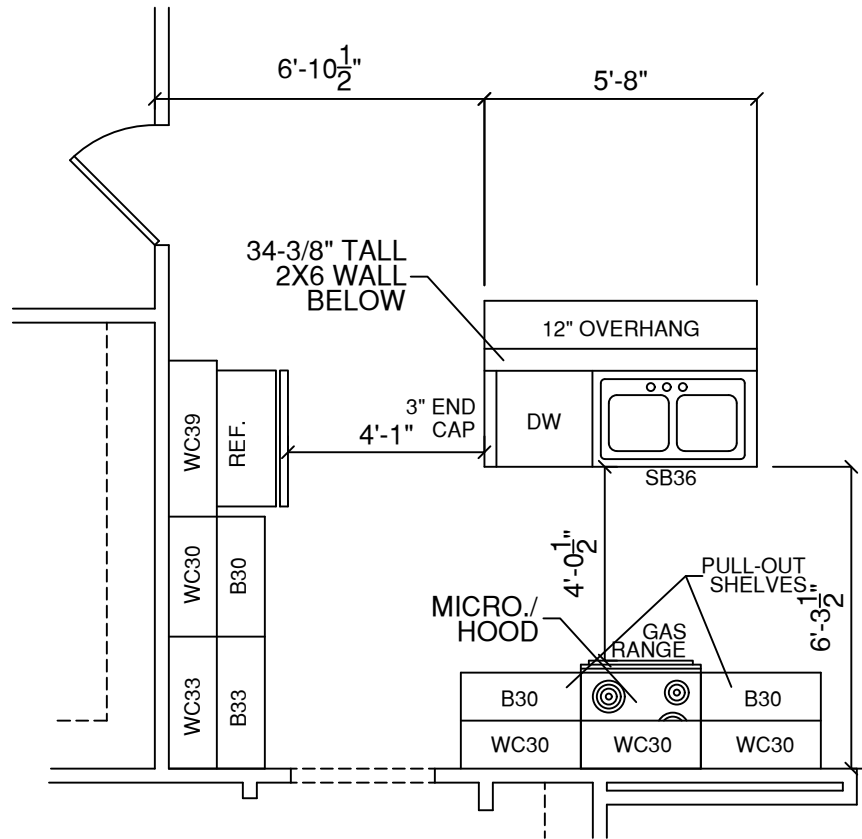
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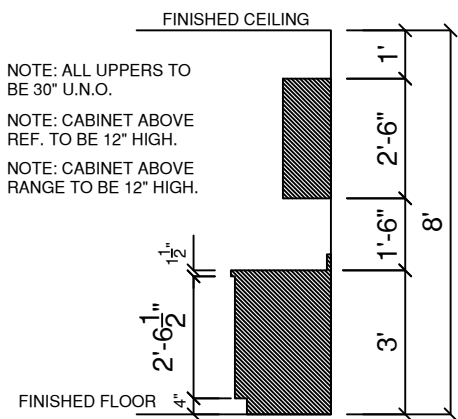
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Details

Pamlico  
"Classic"

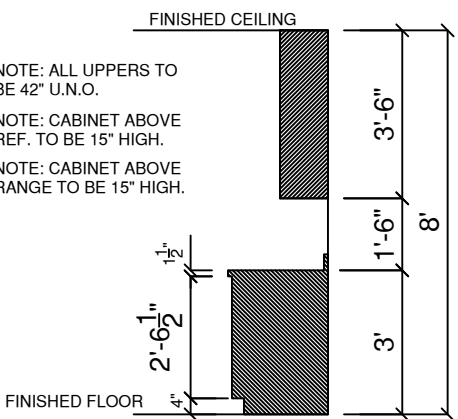


STANDARD KITCHEN  
SCALE: 1/4" = 1'-0"



STANDARD 30" WALL CABS.  
SCALE: = 1/4" = 1'-0"

- ☐ OPTIONAL SCRIBE TRIM MLD'G.  
☐ OPTIONAL CROWN MLD'G.



OPTIONAL 42" WALL CABS.  
SCALE: = 1/4" = 1'-0"

- ☐ OPTIONAL SCRIBE TRIM MLD'G.  
☐ OPTIONAL CROWN MLD'G.

CABINET LEGEND

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

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Cabinet Plan

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