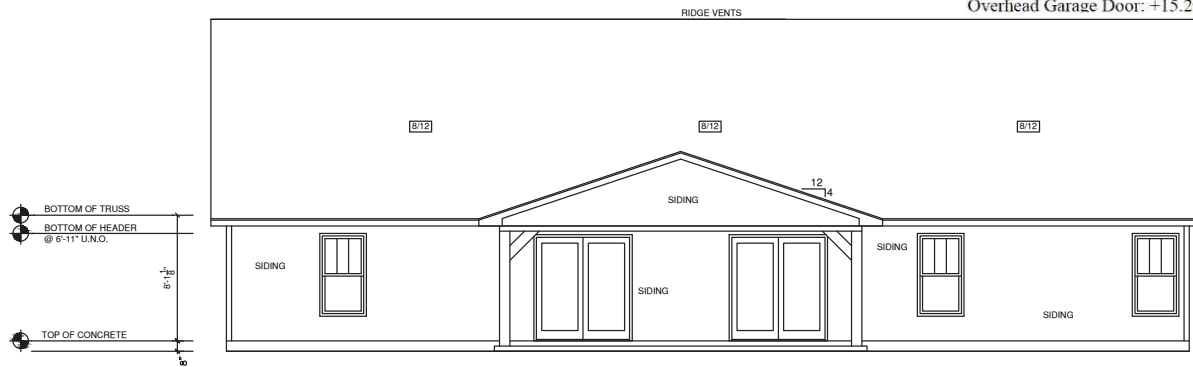


**Wind Load Analysis and Certification**  
**Slone Residence (Pamlico "Cabin") by Red Door Homes**  
 2020 Florida Building Code section 1609 according to ASCE 7-16  
 Ultimate Design Wind Speed (Vult) = 130 MPH (3 second gust)  
 Nominal Design Wind Speed (Vasd)) = 101 MPH  
 Risk Category = II  
 Exposure 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

**FRONT ELEVATION**  
 SCALE: 1/8" = 1'-0"



**REAR ELEVATION**  
 SCALE: 1/8" = 1'-0"

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**



**Frank J Sapienza Jr**  
 Digitally signed by Frank J Sapienza Jr  
 Date: 2021.08.05 11:47:16 -04'00'

**PERMANENT 2**  
 JOB# 12-153  
 SLONE

## 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.
- 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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## SQUARE FOOTAGE CHART

FIRST FLOOR AREA TO FRAMING:	2085
FRONT PORCH AREA:	209
REAR VERANDA AREA:	300
GARAGE AREA TO FRAMING:	432
TOTAL UNDER BEAM AREA:	3026

SUBDIVISION NAME:

XXXXXXXXXX

CITY:

XXXXXXXXXX

PHASE:

XXXXXXXXXX

BLOCK:

XXXXXXXXXX

LOT:

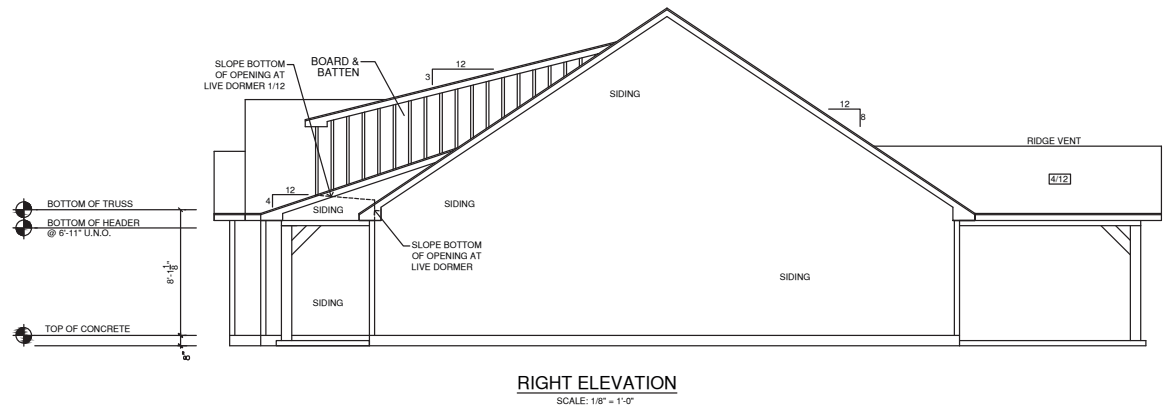
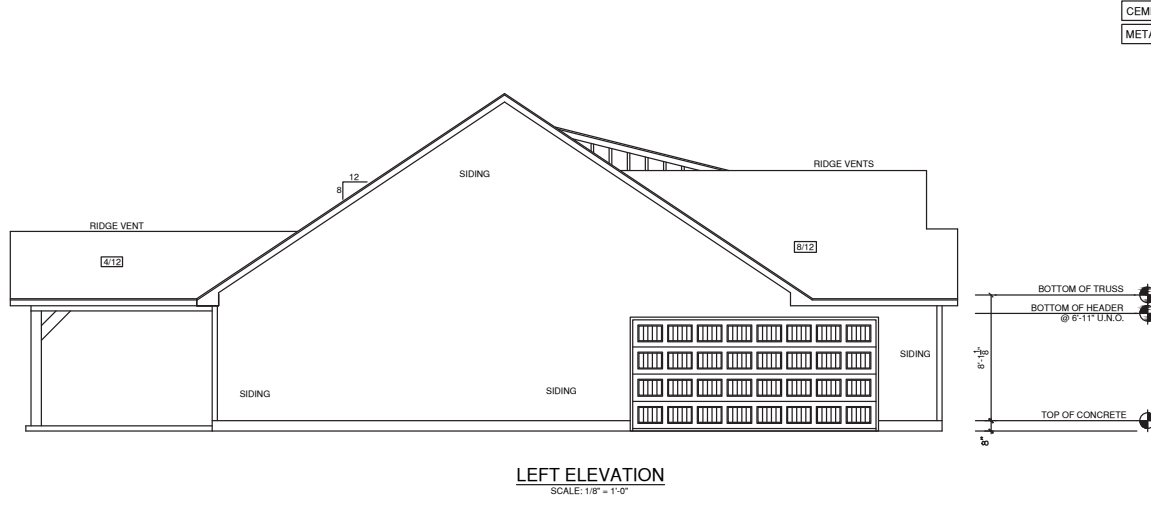
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DRAFTING DATES:

MASTER DATE: 07/31/20  
 PRELIMINARY: 5.20.21 GC  
 PERM: 6.12.21 GC  
 PERM 2: 6.14.21 GC

Front & Rear Elevation

**Pamlico  
 "Cabin"**



PERMANENT 2  
JOB# 12-153  
SLONE

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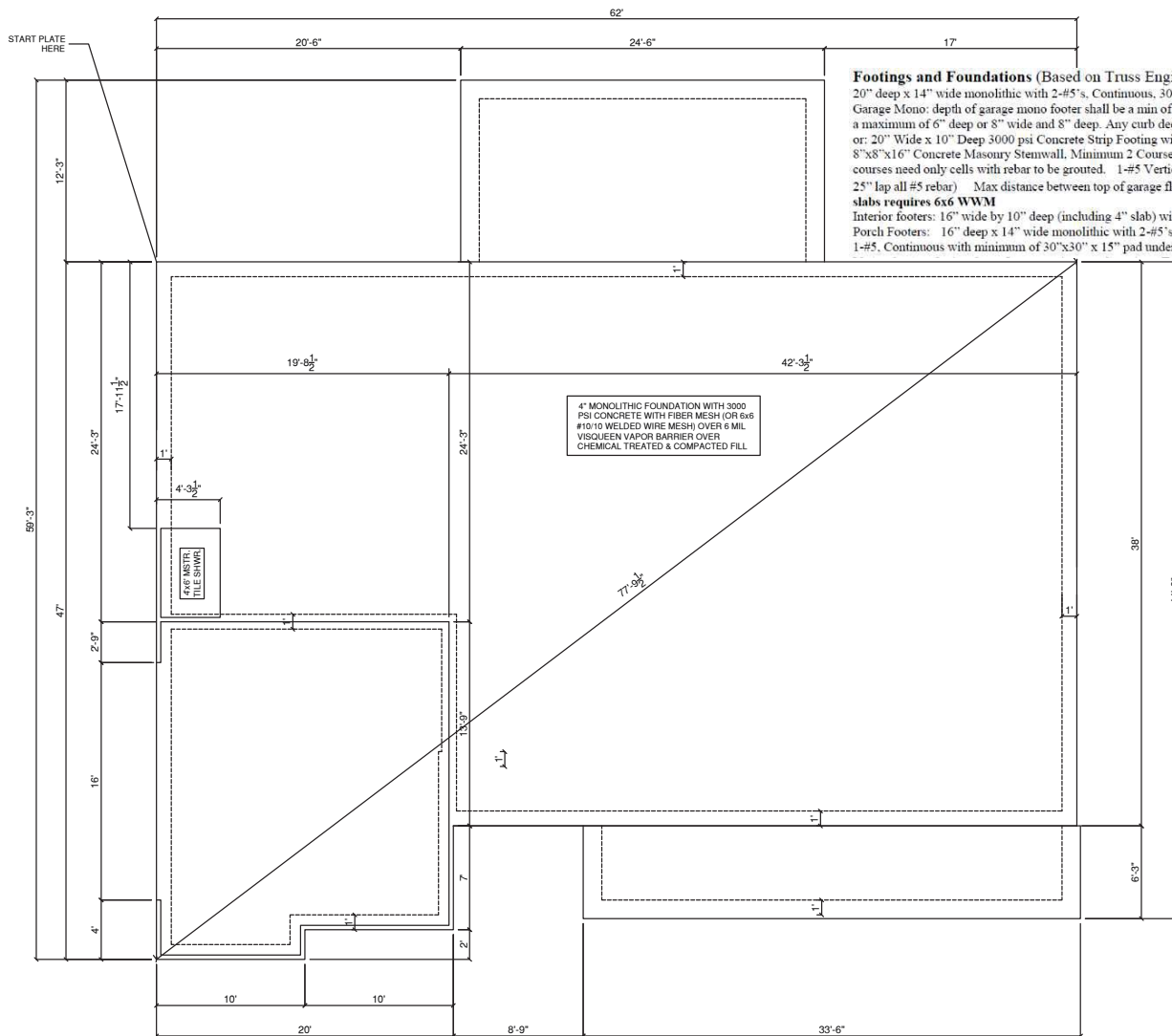
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Right & Left Elevation

Pamlico  
"Cabin"



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

#### Footings and Foundations (Based on Truss Engineering)

20" deep x 14" wide monolithic with 2-#5's, Continuous, 3000 psi Concrete  
Garage Mono: depth of garage mono footer shall be a min of 18" below the garage slab and any curb shall be a min of 6" wide and a maximum of 6" deep or 8" wide and 8" deep. Any curb deeper than this requires special engineering design.  
or: 20" Wide x 10" Deep 3000 psi Concrete Strip Footing with 2-#5's, Continuous  
8"x8"x16" Concrete Masonry Stenwall, Minimum 2 Courses, Maximum 4 Courses, Fully Grouted, except sections over 3 courses need only cells with rebar to be grouted. 1-#5 Vertical Dowel at Corners and 6'-0" O.C. (10" hook top and bottom) (min 25" lap all #5 rebar) Max distance between top of garage floor and top of stenwall = 18" (1) #5 continuous top course. All 4" slabs requires 6x6 WWM  
Interior footers: 16" wide by 10" deep (including 4" slab) with 2-#5's, Continuous.  
Porch Footers: 16" deep x 14" wide monolithic with 2-#5's, Continuous or see above or: 8" wide by 8" deep bell footing with 1-#5, Continuous with minimum of 30"x30" x 15" pad under each post (w/ 3-#5 each way)

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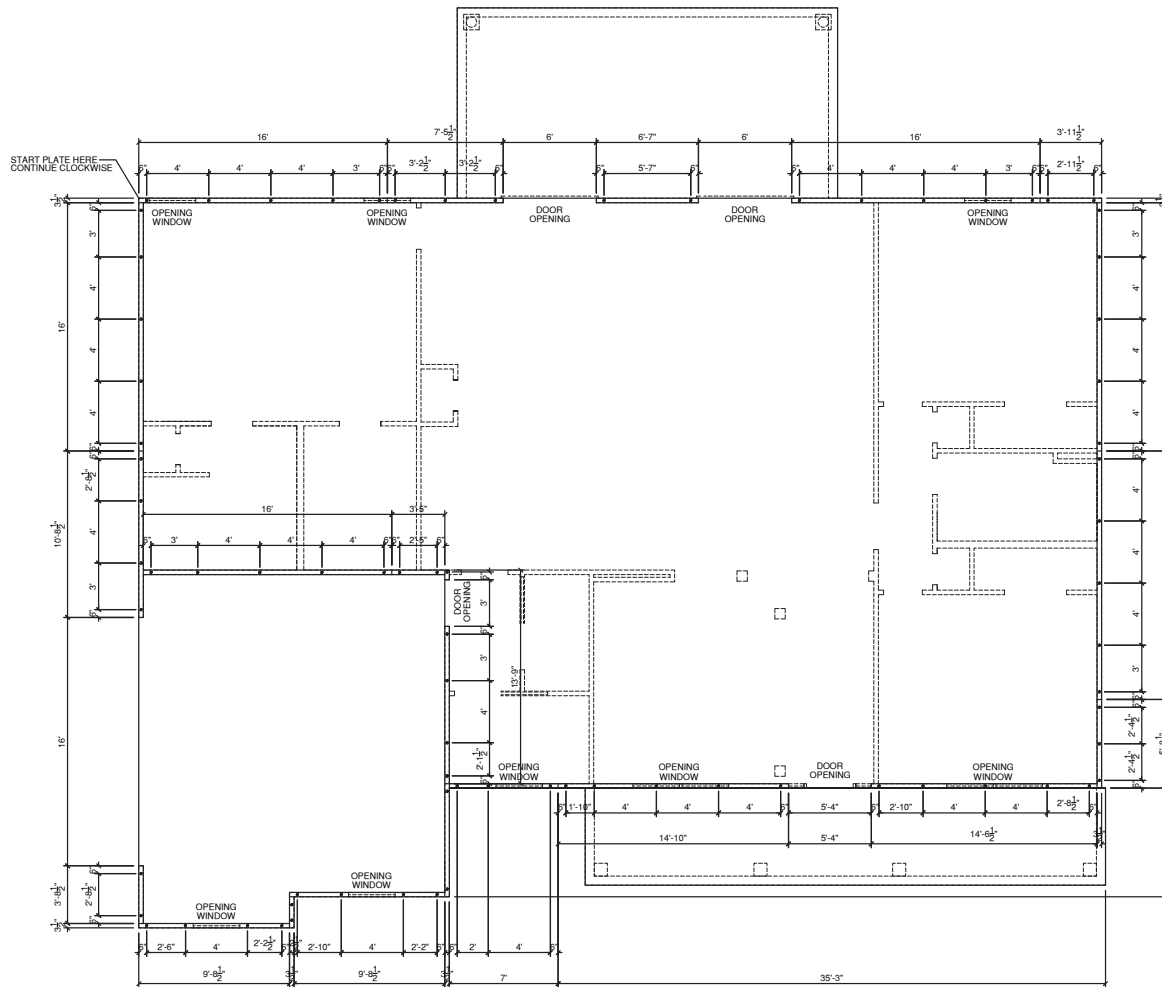
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Slab Foundation

PERMANENT 2  
JOB# 12-153  
SLONE

Pamlico  
"Cabin"



**J-BOLT LOCATION PLAN**  
SCALE 1/8" = 1'-0"

**PERMANENT 2**  
JOB# 12-153  
SLONE

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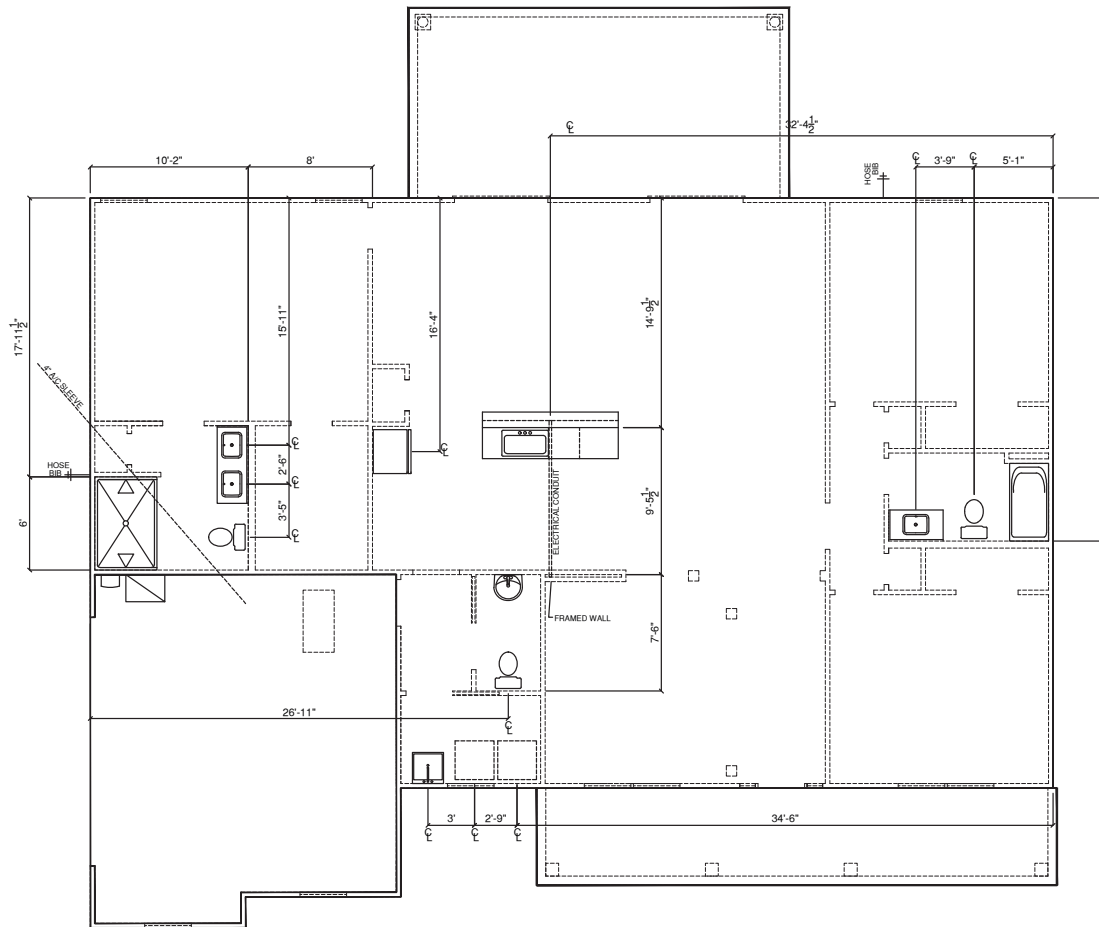
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## "J" - BOLT PLAN

**Pamlico**  
"Cabin"



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

PERMANENT 2  
JOB# 12-153  
SLONE

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Plumbing Plan

Pamlico  
"Cabin"



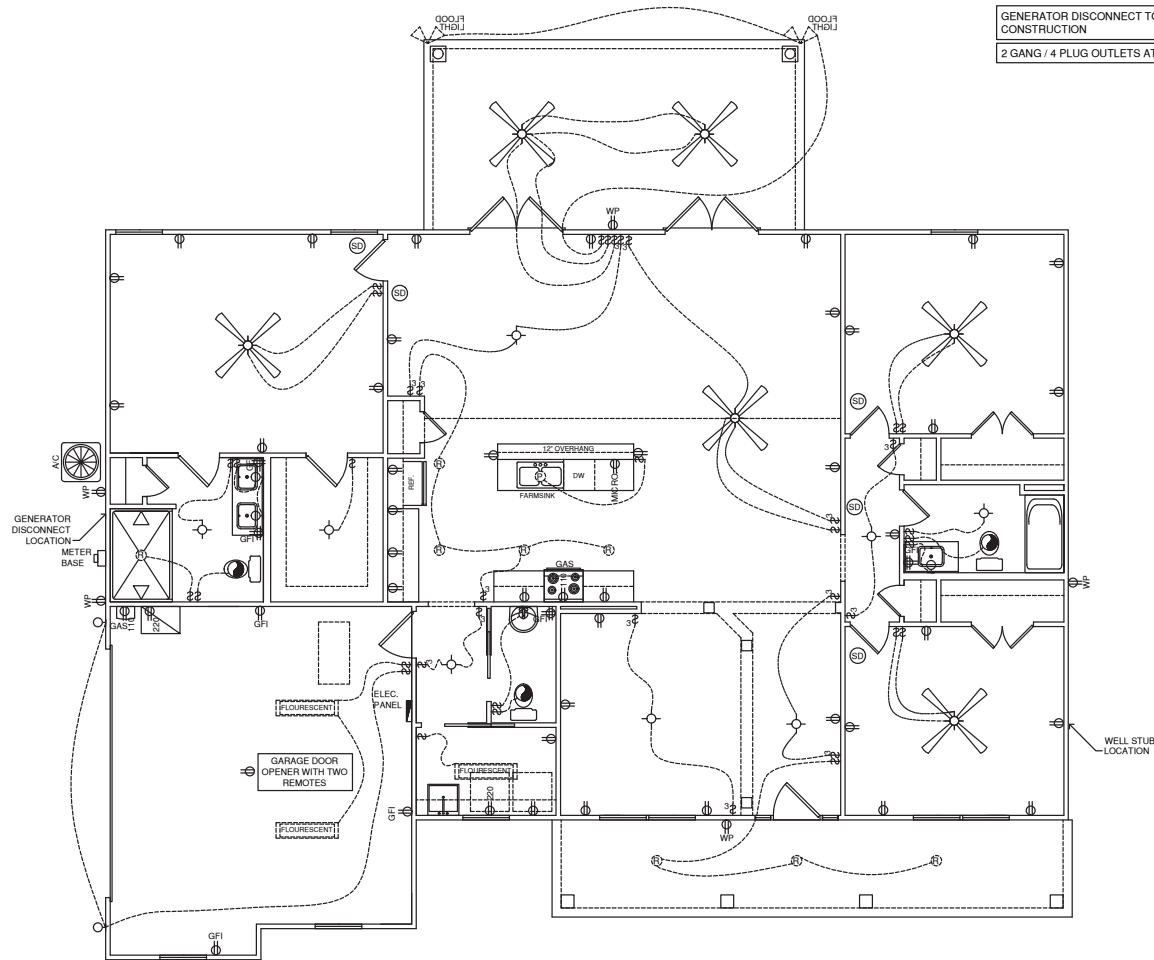


## ELECTRICAL SYMBOLS

	RECEPTACLE, PHONE
	RECEPTACLE, CABLE
	DOOR BELL CHIMES
	SMOKE / CARBON MONOXIDE DETECTOR
	DUPLEX OUTLET
	220 VOLT RECEPTACLE
	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 #6 REBAR ELECTRICAL GROUND TO FOUNDATION STEEL.
7. PROVIDE AND INSTALL LOCALLY CERTIFIED SMOKE DETECTORS AS REQ. BY NATIONAL FIRE PROTECTION ASSOC. (NFPA) AND MEETING THE REQUIREMENTS OF ALL GOVERNING CODES.
8. PROVIDE AND INSTALL GROUND FAULT CIRCUIT INTERRUPTERS (GFI) AS REQ. BY NATIONAL ELECTRIC CODE (NEC) AND MEETING THE REQUIREMENTS 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"

GENERATOR DISCONNECT TO BE LOCATED PRIOR TO CONSTRUCTION

2 GANG / 4 PLUG OUTLETS AT BATHROOMS

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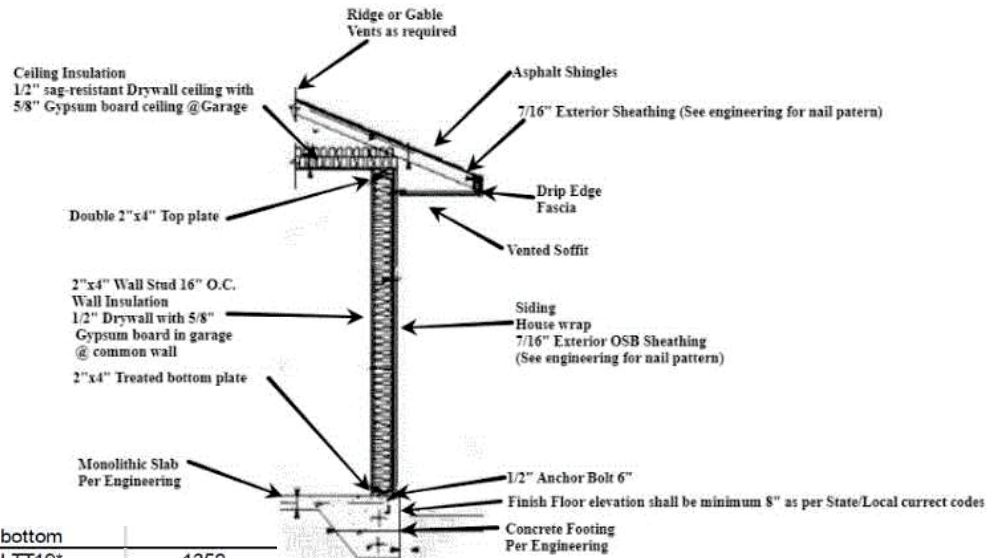
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Electrical Plan

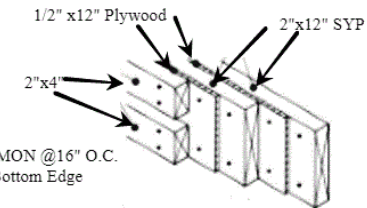
PERMANENT 2  
JOB# 12-153  
SLONE

Pamlico  
"Cabin"





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 = 30'  
2x4 SPF (No. 1&2) Studs at 16" O.C., up to 12' wall height  
or: 2x6 SPF (No. 1&2) Studs at 16" O.C., up to 17' wall height  
**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

			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	
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						

ALLOWABLE SPANS FOR DF #2 HEADERS FOR EXTERIOR BEARING WALLS							ALLOWABLE SPANS FOR DF #2 HEADERS FOR EXTERIOR BEARING WALLS						
Max. Roof/Ceiling Dead Load: 25 psf Max Live Load 20 psf (T-R502.5(1))							Max. Roof/Ceiling Dead Load: 25 psf Max Live Load 40 psf (Roof/Limited Storage Attic) (T-R502.5(1))						
SIZE	20-ft Building Width	NJ	28-ft Building Width	NJ	36-ft Building Width	NJ	20-ft Building Width	NJ	28-ft Building Width	NJ	36-ft Building Width	NJ	
2-2x6	5'- 5"	1	4'- 8"	1	4'- 2"	1	4 - 6"	1	4'- 0"	1	3'- 7"	2	
2-2x8	6'- 10"	1	5'- 11"	2	5'- 4"	2	5'- 9"	2	5'- 0"	2	4'- 6"	2	
2-2x10	8'- 5"	2	7'- 3"	2	6'- 6"	2	7'- 0"	2	6'- 2"	2	5'- 6"	2	
2-2x12	9'- 9"	2	8'- 5"	2	7'- 6"	2	8'- 1"	2	7'- 1"	2	6'- 5"	2	
3-2x8	8'- 4"	1	7'- 5"	1	6'- 8"	1	7'- 2"	1	6'- 3"	2	5'- 8"	2	
3-2x10	10'- 6"	1	9'- 1"	2	8'- 2"	2	8'- 9"	2	7'- 8"	2	6'- 11"	2	
3-2x12	12'- 2"	2	10'- 7"	2	9'- 5"	2	10'- 2"	2	8'- 11"	2	8'- 0"	2	

- a. Building width is perpendicular to ridge measured to exterior walls.  
b. NJ - Number of Jack Studs required to support each end of header.

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#### Details

Pamlico  
"Cabin"

PERMANENT 2  
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