

DESIGN CRITERIA & GENERAL NOTES

**Design Loads:**  
Wind Loading = 140 mph  
TCLL = 20 psf  
TCCL = 7 psf (shingles/Metal)  
TCCL = 15 psf (Tiles)  
BCDL = 10 psf  
All floor design loads = 40 psf (floor design loads are applicable to stairs also)  
Pre-Manufactured Trusses to be designed by a Florida Registered Engineer.

**General Notes:**  
These drawings were prepared with the assumption that the contractor or owner-builder is knowledgeable of common construction practices.  
The contractor / owner-builder shall review drawings for accuracy and interpretation. Any discrepancies shall be brought to the attention of the engineer/architect/draftsman prior to bid or construction.  
The contractor / owner-builder is to verify that truss engineering and design is compatible with these drawings prior to truss fabrication.  
The foundation plan shall be verified by the contractor / owner-builder to correspond with the final engineered truss layout.  
Dimensions shall take precedence over scale. **DO NOT SCALE DRAWINGS.**  
This building design complies with chapter 16 of the Florida Building Code, 6th Edition.  
All exterior walls between openings are designed as and should be considered shearwalls.  
Asphalt shingles, when used, shall comply with ASTM D 225 or ASTM D 3462 and shall have factory applied self-seal strips or be interlocking.

**Applicable Florida Codes:**  
Florida Building Code- Building, 6th Edition, 2017  
Florida Building Code- Residential, 6th Edition, 2017  
Florida Building Code- Plumbing, 6th Edition, 2017  
Florida Building Code- Mechanical, 6th Edition, 2017  
Florida Building Code-Accessibility, 6th Edition, 2017  
Florida Building Code- Energy Efficiency, 6th Edition, 2017  
NFPA 70 National Electrical Code, 2014 edition

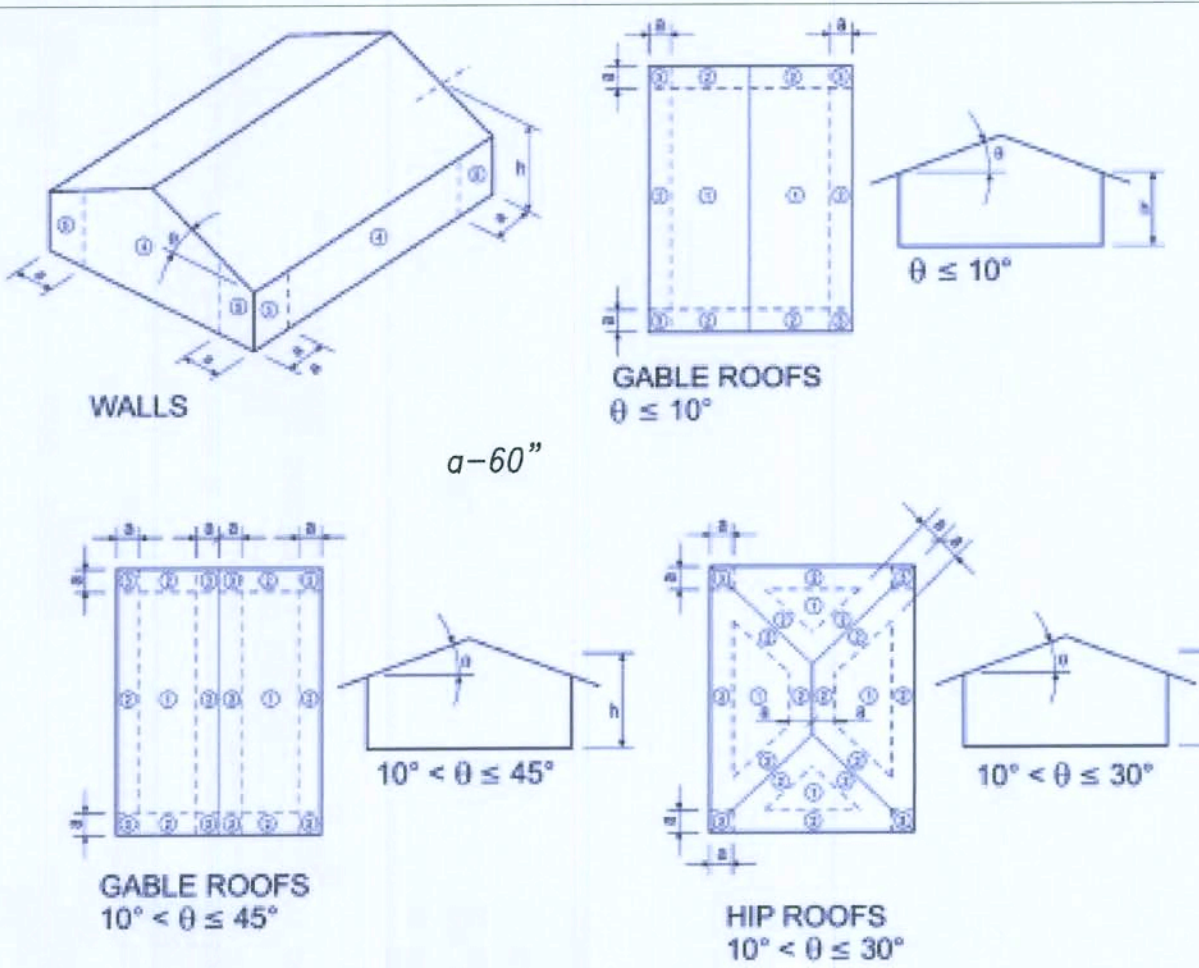
**1609 Design Criteria**  
Basic Wind Speed (ult) = 140 mph, Nominal 108 mph  
Wind Importance Factor = 1.0  
Wind Exposure Category = C  
Internal Pressure Coefficient = .18  
Building Category = II  
Fully Enclosed Design  
Surface Roughness Category = C

COMPONENTS & CLADDING

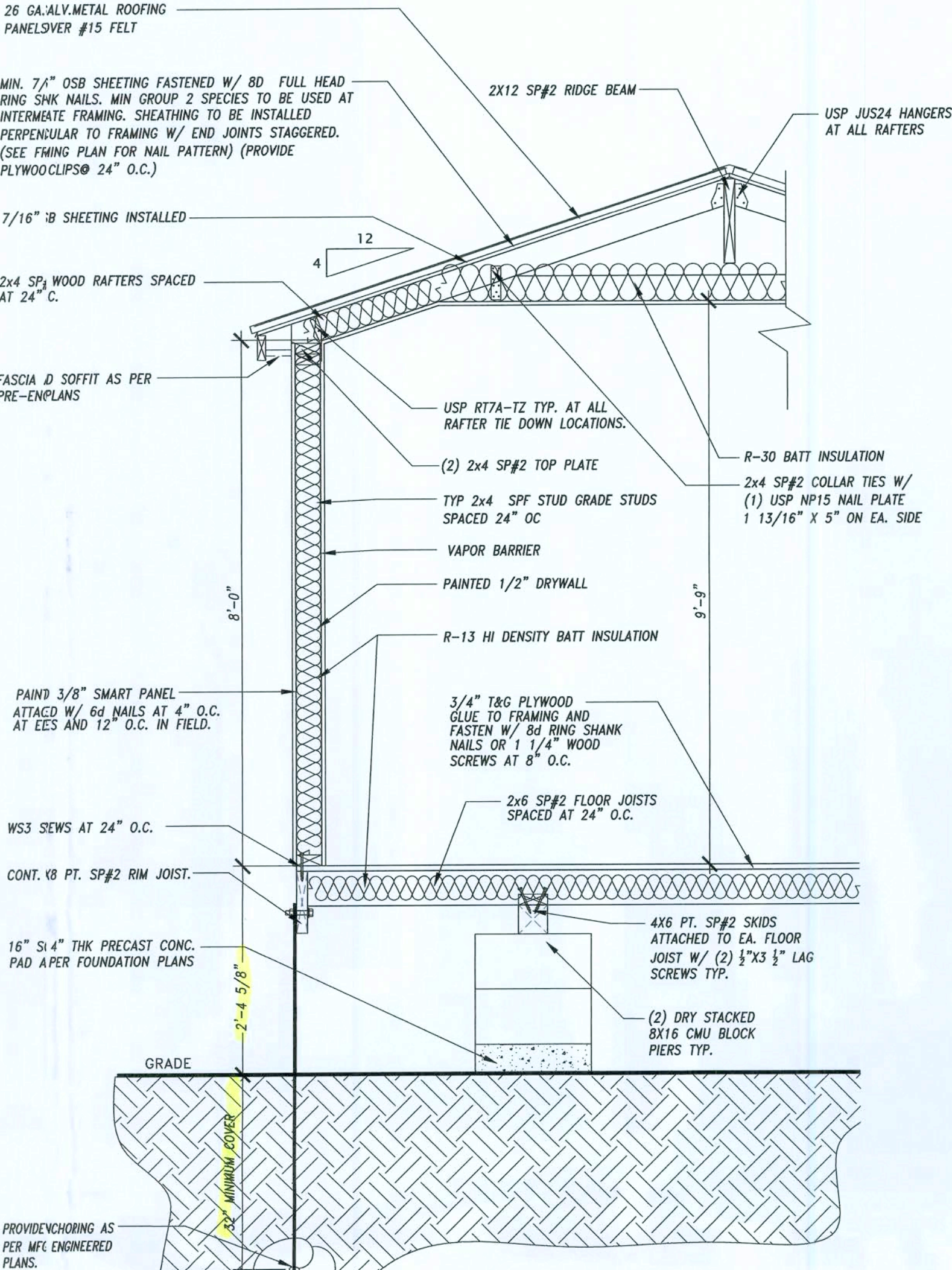
WINDOW/DOOR SIZE  
WINDOW/DOOR TYPE  
EFFECTIVE WIND AREA  
WINDOW/DOOR LOCATION

EXAMPLE: 25 SH (B-4)

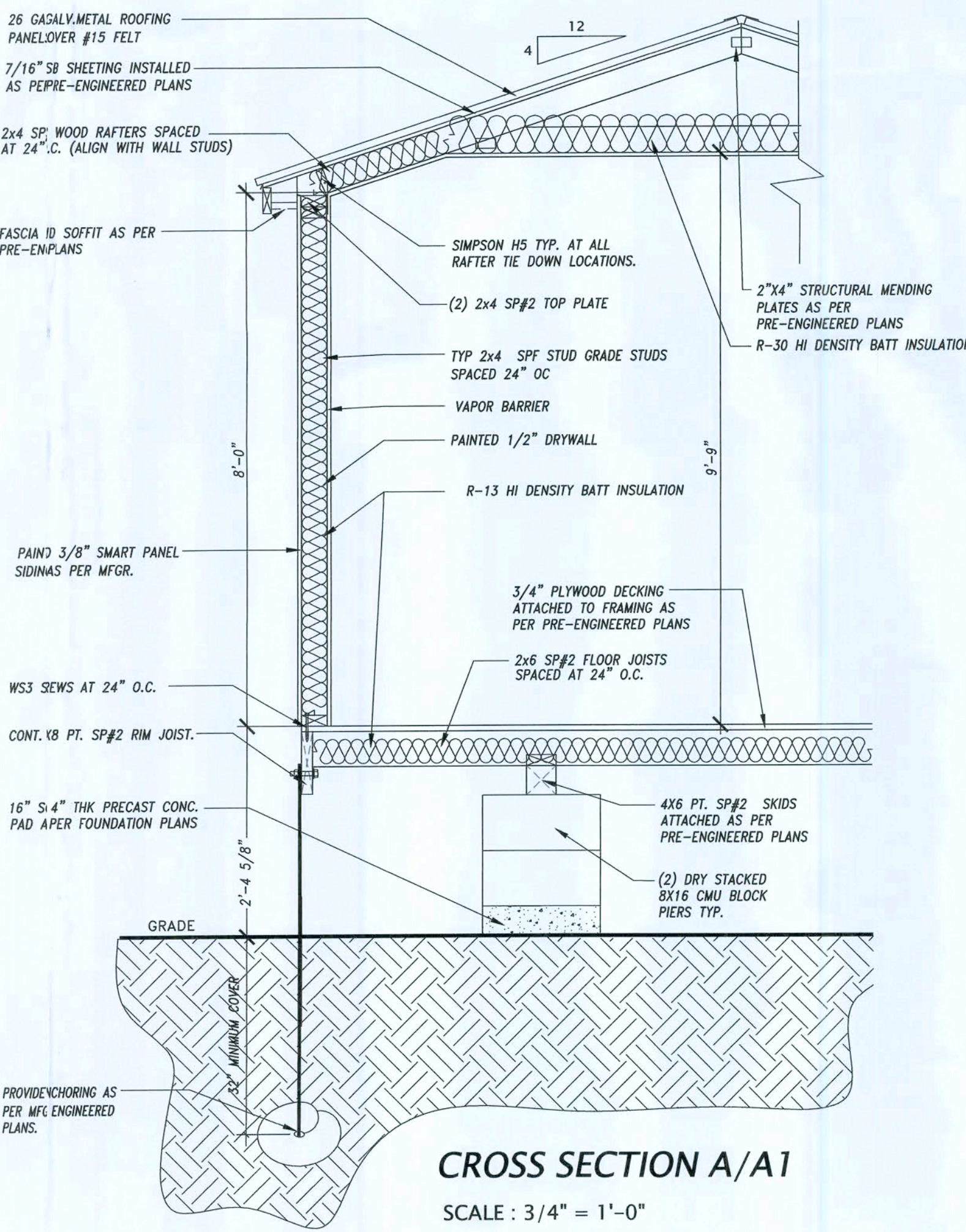
Zone	Location	Effective Wind Area	Component Pressure (PSF)
1	Roof Field	10 SF or Less	+24.5 or -38.9
		10.1 to 20 SF	+22.4 or -37.8
		20.1 to 100 SF	+19.5 or -36.4
2	Roof Edges	10 SF or Less	+24.5 or -82.2
		10.1 to 20 SF	+22.4 or -78.8
		20.1 to 100 SF	+19.5 or -84.5
3	Roof Corner	10 SF or Less	+24.5 or -82.2
		10.1 to 20 SF	+22.4 or -74.9
		20.1 to 100 SF	+19.5 or -84.5
4	Mid-Wall Areas	(A) 10 SF or Less	+42.6 or -48.2
		(B) 10.1 to 20 SF	+40.6 or -44.2
		(C) 20.1 to 50 SF	+38.1 or -43.8
		(D) 50.1 to 500 SF	+38.1 or -41.7
		(A) 10 SF or Less	+42.6 or -49.40
5	Wall Corners	(B) 10.1 to 20 SF	+40.6 or -48.2
		(C) 20.1 to 50 SF	+38.1 or -48.0
		(D) 50.1 to 500 SF	+38.1 or -44.0
		(A) 10 SF or Less	+42.6 or -48.2
		(B) 10.1 to 20 SF	+40.6 or -48.2



NOTE: NAIL PATTERN FOR SHEATHING IN ALL BUILDING ZONES IS 8d RING SHANK NAILS SPACED AT 4" O.C. THROUGHOUT.



CROSS SECTION B/A1  
SCALE: 3/4" = 1'-0"



CROSS SECTION A/A1  
SCALE: 3/4" = 1'-0"

WINDOW LEGEND

UNIT	FRAME	OPENING
2040	26-5/8" x 50-7/8"	

NOTE:

ALL WINDOW AND DOOR ROUGH OPENINGS SHOWN, MUST BE CONFIRMED WITH BUILDER BEFORE CONSTRUCTION.  
GENERAL CONTRACTOR, BUILDER OR OWNER / BUILDER TO VERIFY ALL DIMENSIONS SHOWN IN THESE PLANS PRIOR TO CONSTRUCTION.  
ALL INTERIOR FRAME WALLS ARE SHOWN AS 4" IN WIDTH UNLESS NOTED OTHERWISE  
ALL EXTERIOR FRAME SHEARWALLS ARE SHOWN AS 10" IN WIDTH UNLESS NOTED OTHERWISE  
SEE ROOF FRAMING SHEET FOR HEADER AND OR LINTEL SIZES AND TYPES.

DO NOT SCALE FROM THESE DRAWINGS.

AREA TABULATION

LIVING AREA	1312
PORCH	44
TOTAL	1356

WALL KEY

- 2x4 FRAME EXTERIOR BEARING SHEARWALL TO 6-8" AFF.
- 2x4 OR 2x6 INTERIOR NON-BEARING WALL

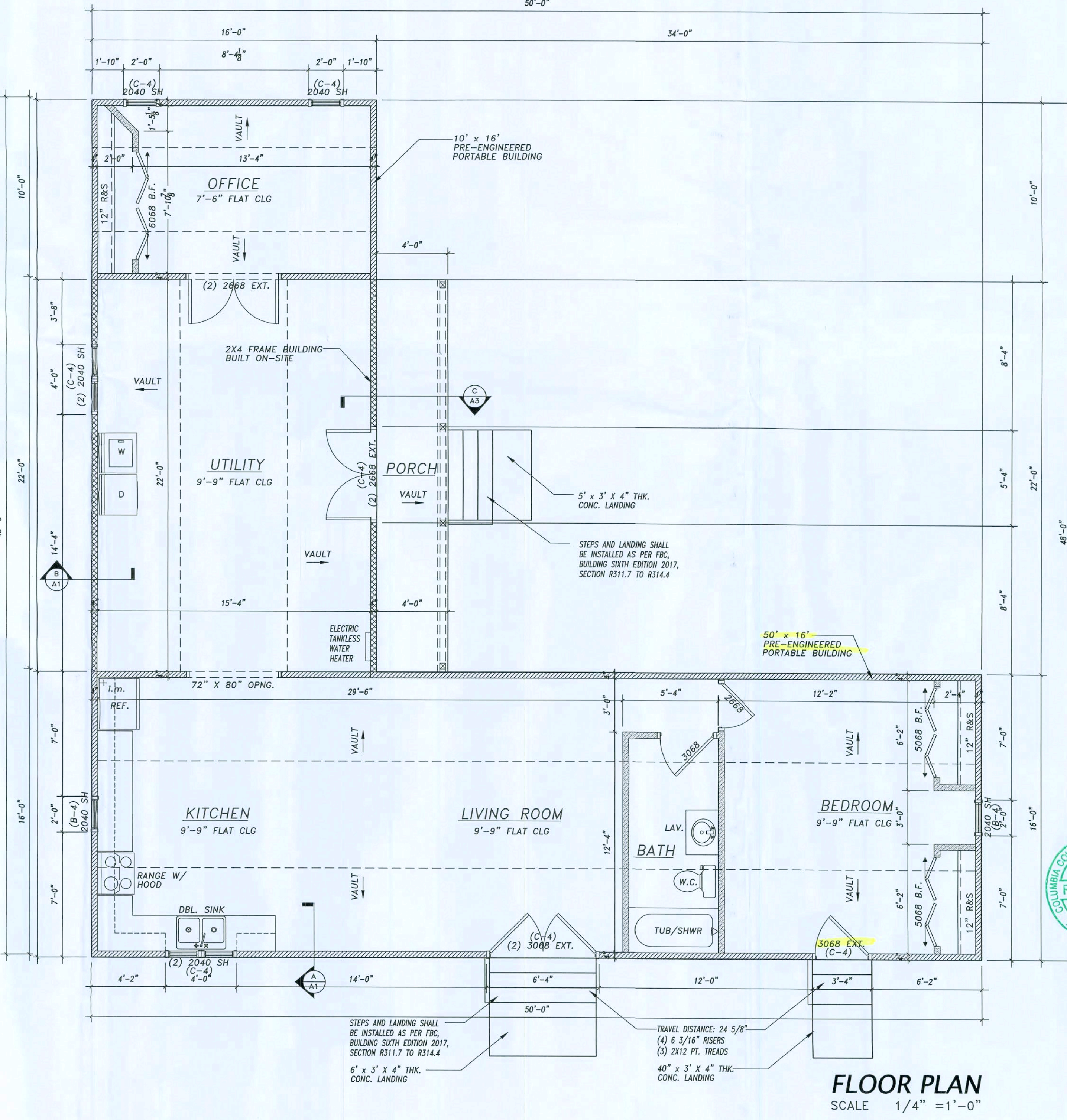
PRE-ENGINEERED PORTABLE STORAGE BUILDING PLANS BY EZ PORTABLE BUILDINGS, CERTIFIED BY WALTER E. WOOD DATED 6-14-18 ARE HEREBY INCORPORATED INTO THE CONSTRUCTION DOCUMENTS.

ROOF CRITERIA

- 4" OVERHANG U.N.O.
- PLUMB CUT FASCIA
- ROOF PITCH PER ELEVATION
- WINDLOAD CALC. PER ASCE 7-10 (VARIES BY LOCATION)
- SHINGLE LOADING

VENTILATION CALCULATION

VENTED SOFFIT ONLY  
FORMULA = S.F. / 150 (1/150) X 144  
(TO CONVERT TO SQ. INCHES) = NET SQ. INCH / 22.6 (CONVERT TO LINEAL FEET)  
1312/150 = 26.24 X 144 = 3778.6 SQ. INCHES/22.6 = 167.19 L.F. OF VENTILATION REQ'D VENTED SOFFIT  
196 L.F. OF VENTED SOFFIT PROVIDED



FLOOR PLAN  
SCALE 1/4" = 1'-0"

DRAWING ISSUE  
DATE: 06-30-2020  
REVISED:  
GENERAL CONTRACTOR

PROJECT  
**A NEW TINY HOME FOR SHANNON DEESE**  
382 SW POLARIS TERRACE, FORT WHITE FL.  
DRAWN BY:  
**CADTEC**  
Drafting Studio  
INCORPORATED  
PHONE: (352)2122242  
CADTECSTUDIO@GMAIL.COM  
Architect:

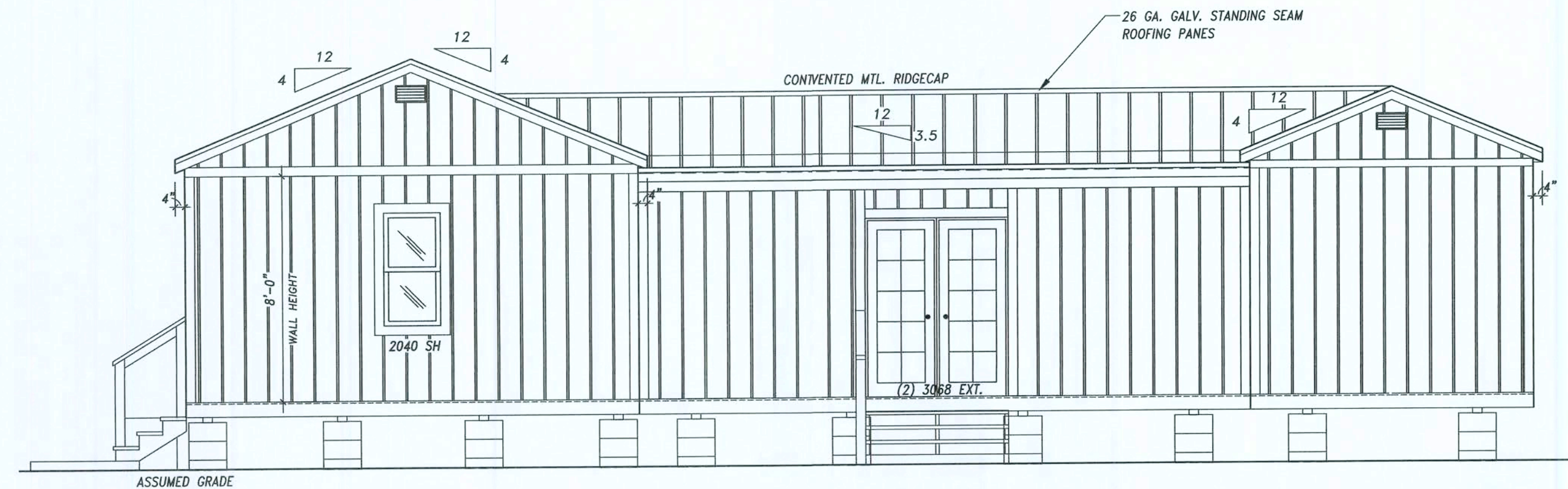
Thomas H. Williford  
Architect, P.A.  
FL. LIC. AA26001749  
P.O. Box 144  
Lecanto, Florida 34460  
352-476-1937



Thomas H. Williford  
SHEET TITLE:  
DESIGN CRITERIA, GENERAL NOTES  
FLOOR PLAN, WINDOW ROUGH  
OPENING SCHED. AREA TABULATION  
TYP. WALL SECTIONS

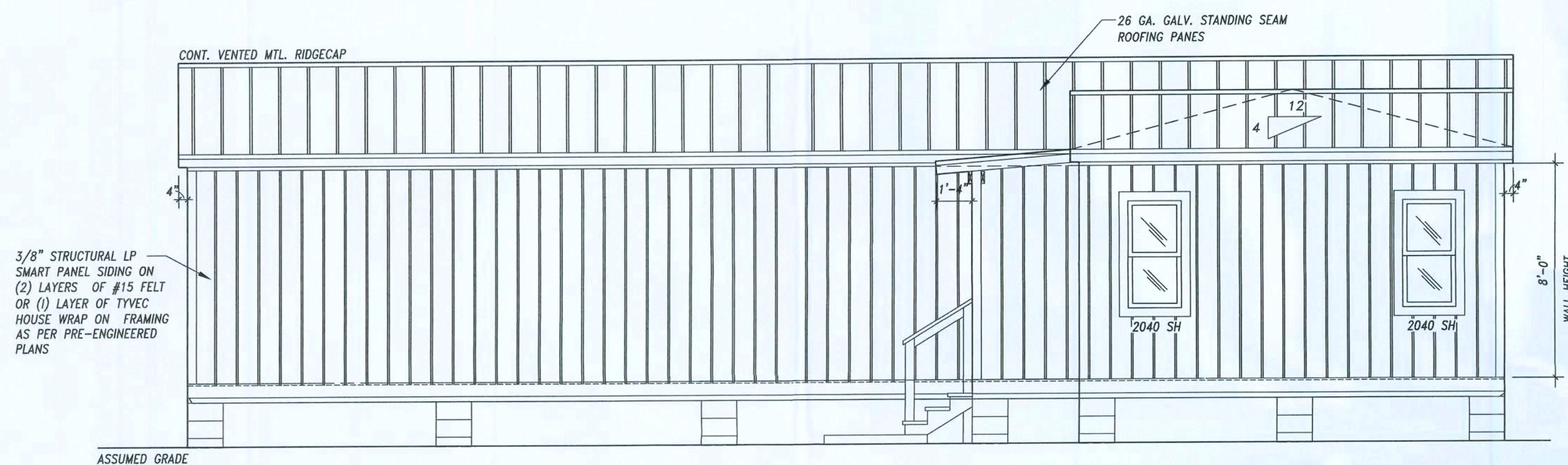
SHEET NUMBER 1 OF 3





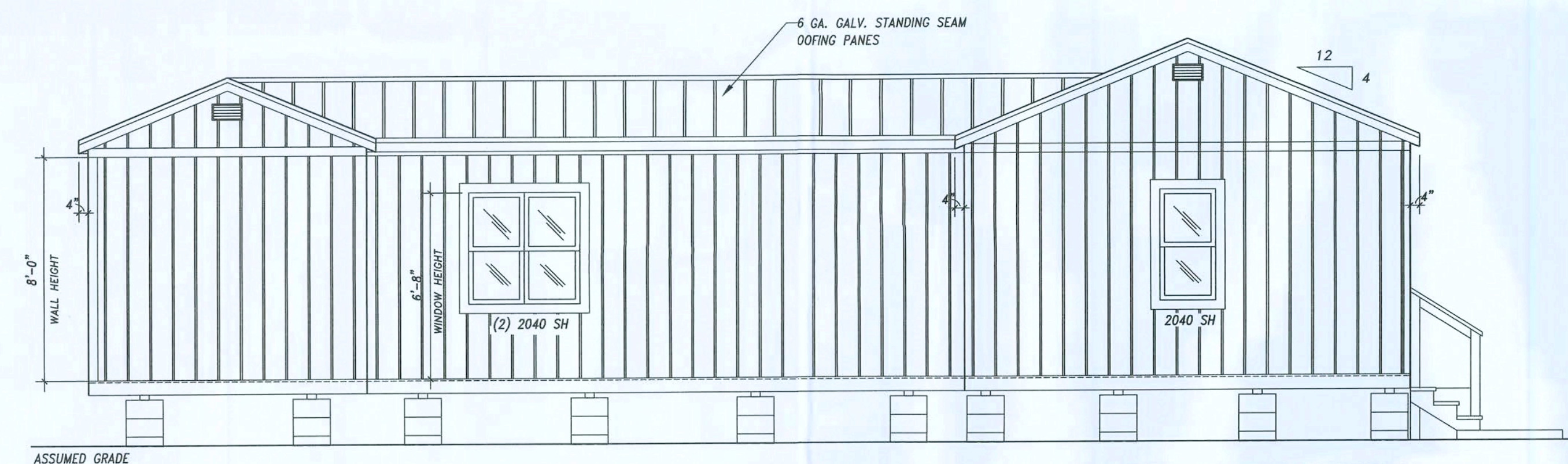
**RIGHT ELEVATION**

SCALE 1/4" = 1'-0"



**REAR ELEVATION**

SCALE 1/4" = 1'-0"



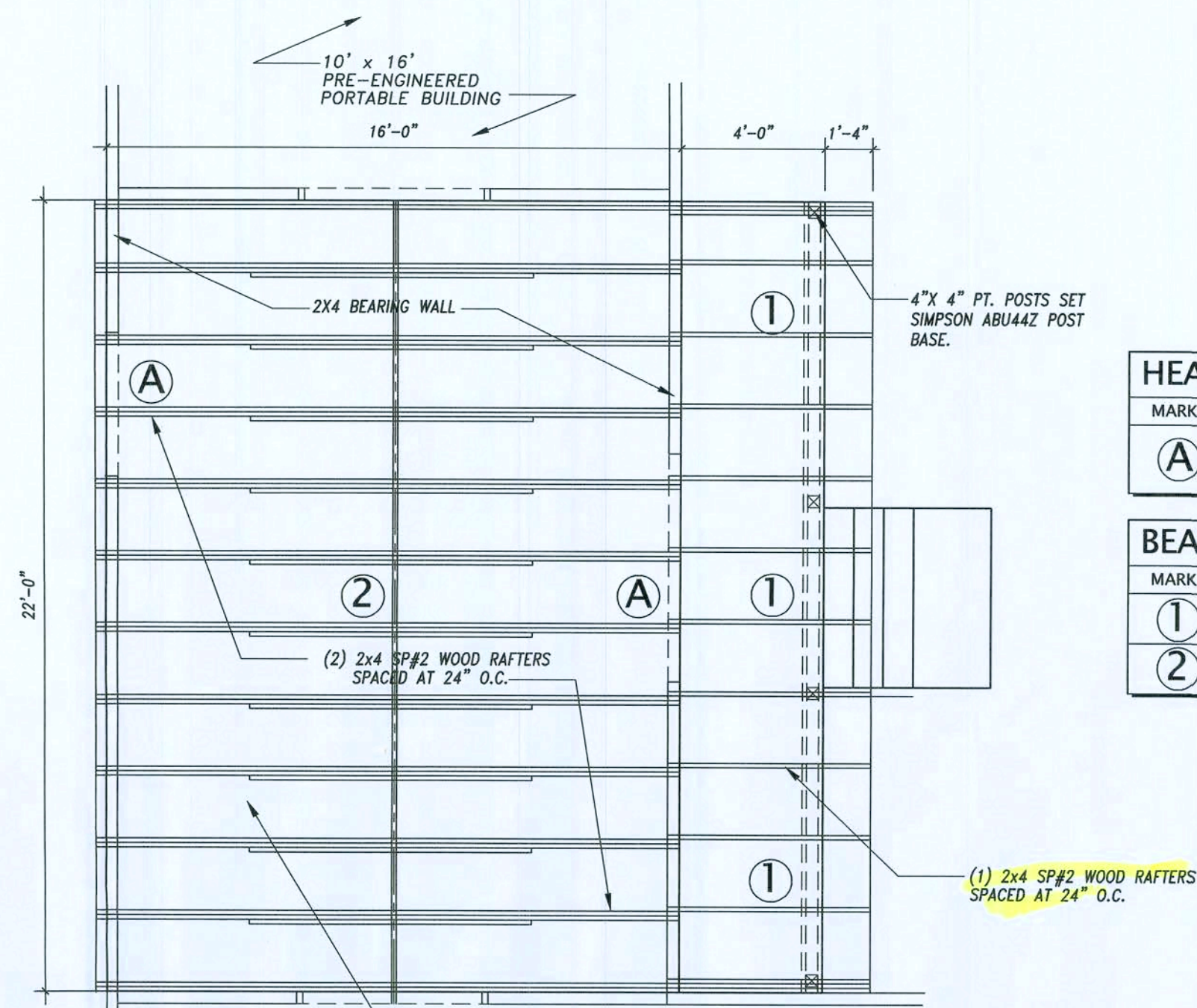
**LEFT ELEVATION**

SCALE 1/4" = 1'-0"



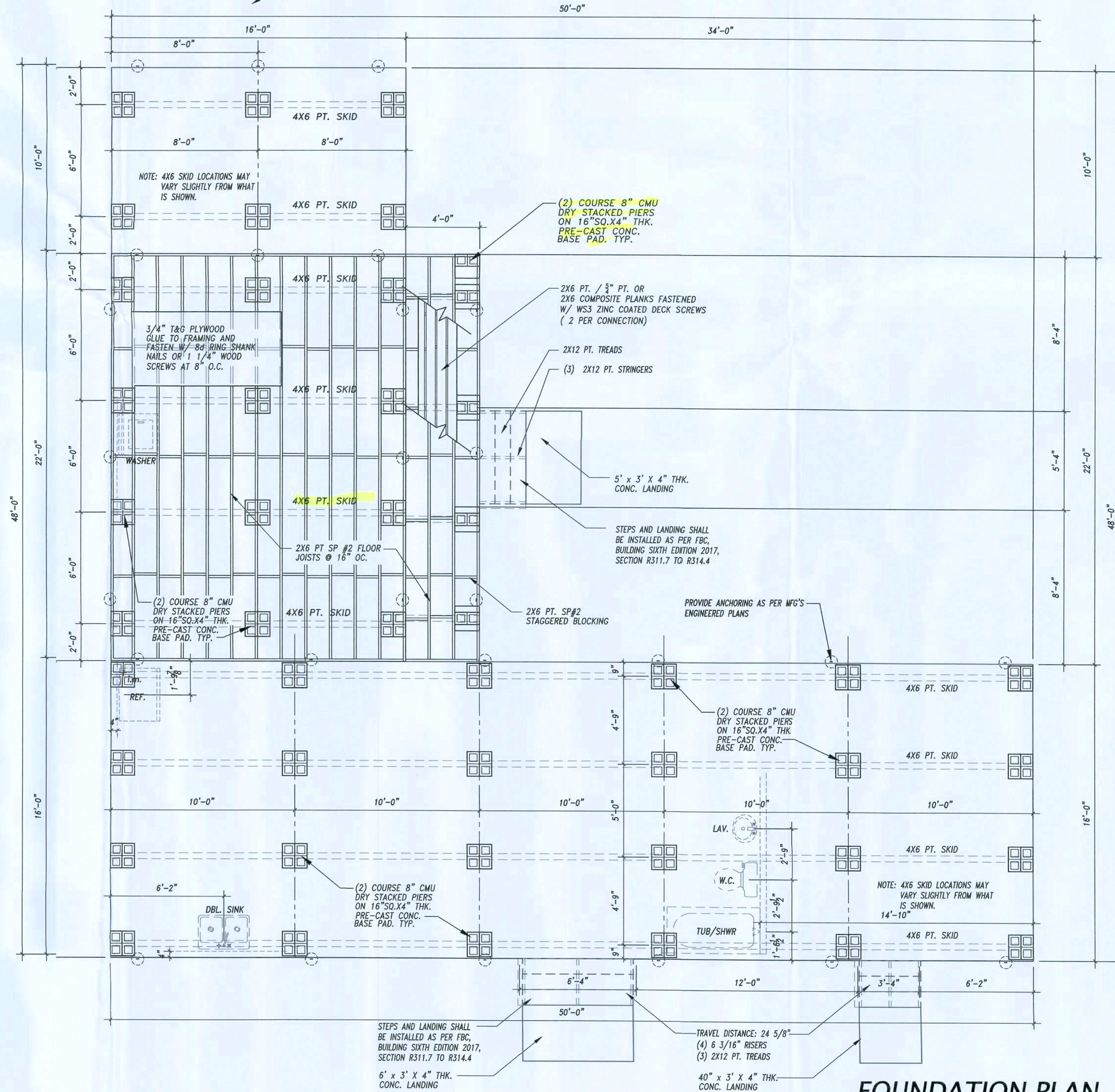
**FRONT ELEVATION**

SCALE 1/4" = 1'-0"



**ROOF FRAMING PLAN**

SCALE 1/4" = 1'-0"



**FOUNDATION PLAN**

SCALE 1/4" = 1'-0"

**ROOF ANCHOR SCHEDULE**

UPLIFT VALUES				
LOCATION	COMMON/ HIP JACK	HIP TRUSS	CORNER/ END JACK	END ZONE
FRAME WALL				
BEAM				

NOTE : PROVIDE (1) USP RTA-TZ TYP. AT ALL RAFTER TIE (TYPICAL AT FRAME LOCATIONS). (EQUALLY RATED SUBSTITUTIONS ARE ALLOWABLE).

**HEADER SCHEDULE**

MARK	HEADER SPECIFICATION
A	2-2X6 #2 BEAM

**BEAM SCHEDULE**

MARK	BEAM SPECIFICATION
1	2-2X6 PT. #2 BEAM
2	1-2X12 #2 BEAM

ALL FASTENINGS MUST BE IN COMPLIANCE WITH CHAPTERS 6 AND 7 FBC. BUILDING, SIXTH EDITION, 2017

WOOD STUDS AND GIRDER SUPPORT POSTS USED FOR BEARING WALL FRAMING OF LESS THAN 10'-0" PLATE HEIGHT SHALL BE HEM-FIR, S-P-F, OR S-Y-P. STUD GRADE OR BETTER. WOOD STUDS AND GIRDER SUPPORT POSTS USED FOR BEARING WALL FRAMING WITH 10'-0" PLATE HEIGHTS OR GREATER SHALL BE HEM-FIR, S-P-F, OR S-Y-P. CONSTRUCTION GRADE OR BETTER. WALL OPENINGS SHALL BE CONSTRUCTED IN ACCORDANCE WITH CHAPTER 6 SECTION R602, FBC. BUILDING, SIXTH EDITION, 2017

ALL WOOD CONSTRUCTION MUST CONFORM TO THE PROVISIONS OF CHAPTER 6 FBC. BUILDING, SIXTH EDITION, 2017

PROVIDE A CONTINUOUS LOAD PATH BETWEEN FOUNDATION AND ROOF SYSTEM. ALL CONNECTORS SHALL BE INSTALLED PER MFG'S RECOMMENDATIONS. FASTENERS NOT OTHERWISE SPECIFIED ON DRAWINGS SHALL BE IN ACCORDANCE W/ R602 FBC. BUILDING, SIXTH EDITION, 2017

DRAWING ISSUE

DATE: 06-30-2020

REVISED:

GENERAL CONTRACTOR

PROJECT

**A NEW TINY HOME  
FOR  
SHANNON DEESE**

382 SW POLARIS TERRACE, FORT WHITE, FL.

DRAWN BY:

**CADTEC**  
*Drafting Studio*  
**INCORPORATED**  
PHONE : (352) 2122242  
**CADTECSTUDIO@GMAIL.COM**

Architect:

**Thomas H. Wiliford**  
Architect, P.A.  
FL. LIC. AA26001749  
P.O. Box 144  
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352-476-1937

SEAL

**Thomas H. Wiliford**

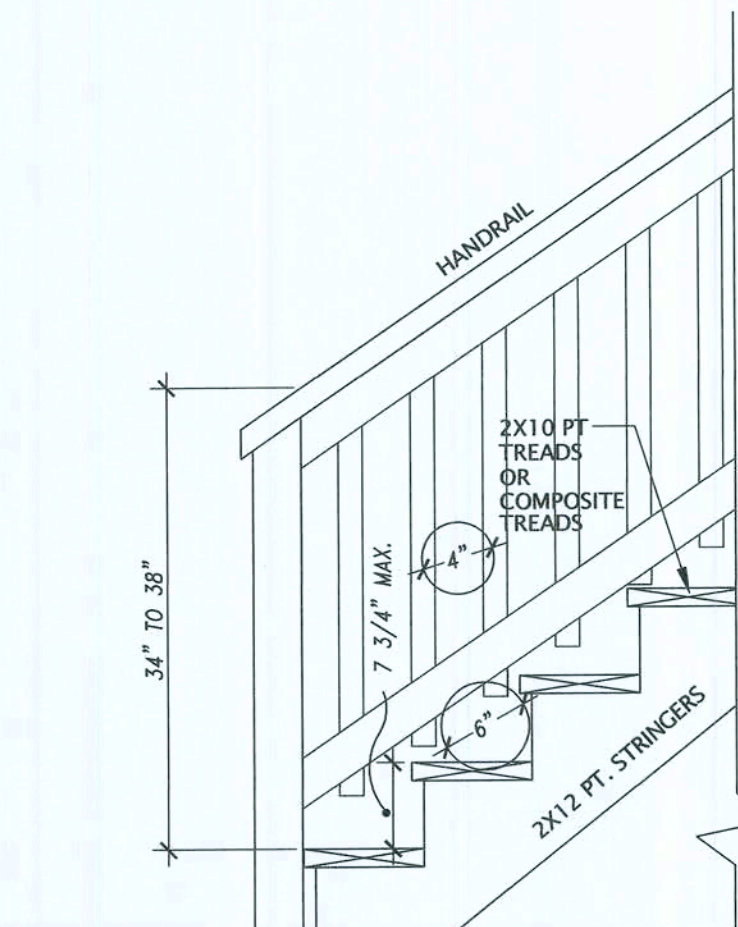
SHEET TITLE:  
FOUNDATION PLAN, TYP. DETAILS.  
ROOF FRAMING PLAN, UPLIFT CONNECTOR  
SCHEDULE, BEAM & HEADER  
SCHEDULE, EXTERIOR ELEVATIONS.

SHEET NUMBER

2 OF 3

**A2**





1. A BOTTOM RAIL OR CURB IS NOT REQUIRED ON STAIRS
2. A 6" SPHERE SHALL NOT PASS THROUGH THE TRIANGULAR OPENING FORMED BY THE TREAD, RISER AND BOTTOM OF GUARDRAIL

## STAIR DETAIL

NTS.

R311.7 Stairways.

R311.7.1 Width.  
Stairways shall not be less than 36 inches (914 mm) in clear width at all points above the permitted handrail height and below the required headroom height. Handrails shall not project more than 4.5 inches (114 mm) on either side of the stairway and the minimum clear width of the stairway at and below the handrail height, including treads and landings, shall not be less than 31 1/2 inches (787 mm) where a handrail is installed on one side and 27 inches (688 mm) where handrails are provided on both sides.

Exception: The width of spiral stairways shall be in accordance with Section R311.7.9.1.

R311.7.2 Headroom.  
The minimum headroom in all parts of the stairway shall not be less than 6 feet 8 inches (2032 mm) measured vertically from the sloped line adjoining the tread nosing or from the floor surface of the landing or platform on that portion of the stairway.

Exception: Where the nosings of treads at the side of a flight extend under the edge of a floor opening through which the stair passes, the floor opening shall be allowed to project horizontally into the required headroom a maximum of 43/4 inches (121 mm). R311.7.3 Walkline.  
The walkline across wider treads shall be concentric to the curved direction of travel through the turn and located 12 inches (305 mm) from the side where the winders are narrower. The 12-inch (305 mm) dimension shall be measured from the widest point of the clear stair width at the walking surface of the winder. If winders are adjacent within the flight, the point of the widest clear stair width of the adjacent winders shall be used.

R311.7.4 Stair treads and risers.  
Stair treads and risers shall meet the requirements of this section. For the purposes of this section all dimensions and dimensioned surfaces shall be exclusive of carpets, rugs or runners.

R311.7.4.1 Riser height.  
The maximum riser height shall be 7 3/4 inches (196 mm). The riser shall be measured vertically between leading edges of the adjacent treads. The greatest riser height within any flight of stairs shall not exceed the smallest by more than 3/8 inch (9.5 mm). R311.7.4.2 Tread depth.  
The minimum tread depth shall be 10 inches (254 mm). The tread depth shall be measured horizontally between the vertical planes of the foremost projection of adjacent treads and at a right angle to the tread's leading edge. The greatest tread depth within any flight of stairs shall not exceed the smallest by more than 3/8 inch (9.5 mm). Consistently shaped winders at the walkline shall be allowed within the same flight of stairs as rectangular treads and do not have to be within 3/8 inch (9.5 mm) of the rectangular tread depth.

Winder treads shall have a minimum tread depth of 10 inches (254 mm) measured between the vertical planes of the foremost projection of adjacent treads at the intersections with the walkline. Winder treads shall have a minimum tread depth of 6 inches (152 mm) at any point within the clear width of the stair. Within any flight of stairs, the largest winder tread depth of the walkline shall not exceed the smallest winder tread by more than 3/8 inch (9.5 mm).

R311.7.4.3 Profile.  
The radius of curvature at the leading edge of the tread shall be no greater than 9/16 inch (14.3 mm). A nosing not less than 3/4 inch (19 mm) but not more than 1 1/4 inches (32 mm) shall be provided on stairways with solid risers. The greatest nosing projection shall not exceed the smallest nosing projection by more than 3/8 inch (9.5 mm) between two stories, including the nosing at the level of floors and landings. Beveling of nosings shall not exceed 1/2 inch (12.7 mm). Risers shall be vertical or sloped from the underside of the leading edge of the tread at an angle not more than 30 degrees (0.51 rad) from the vertical. Open risers are permitted, provided that the opening between treads does not permit the passage of a 4-inch (102 mm) diameter sphere.

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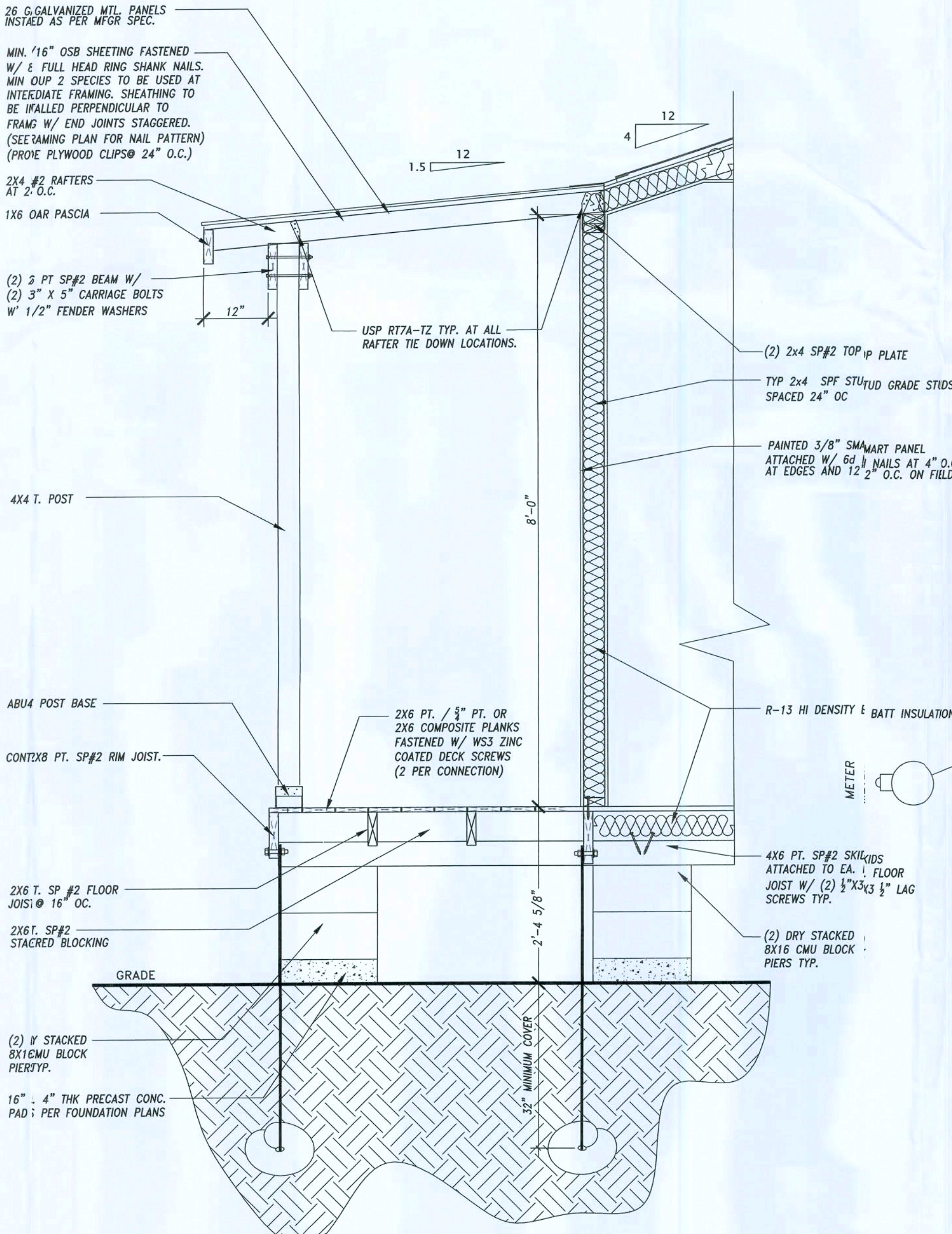
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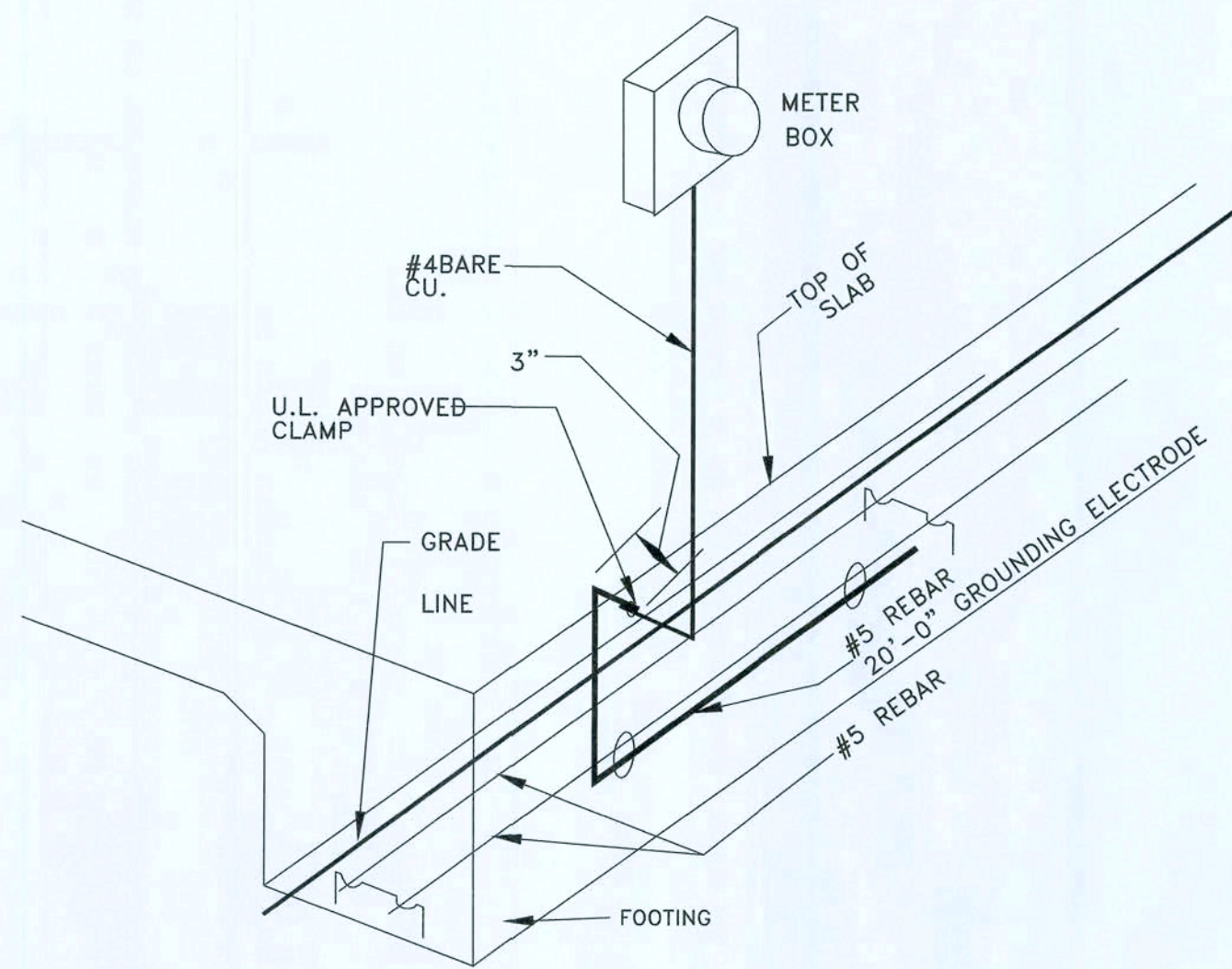
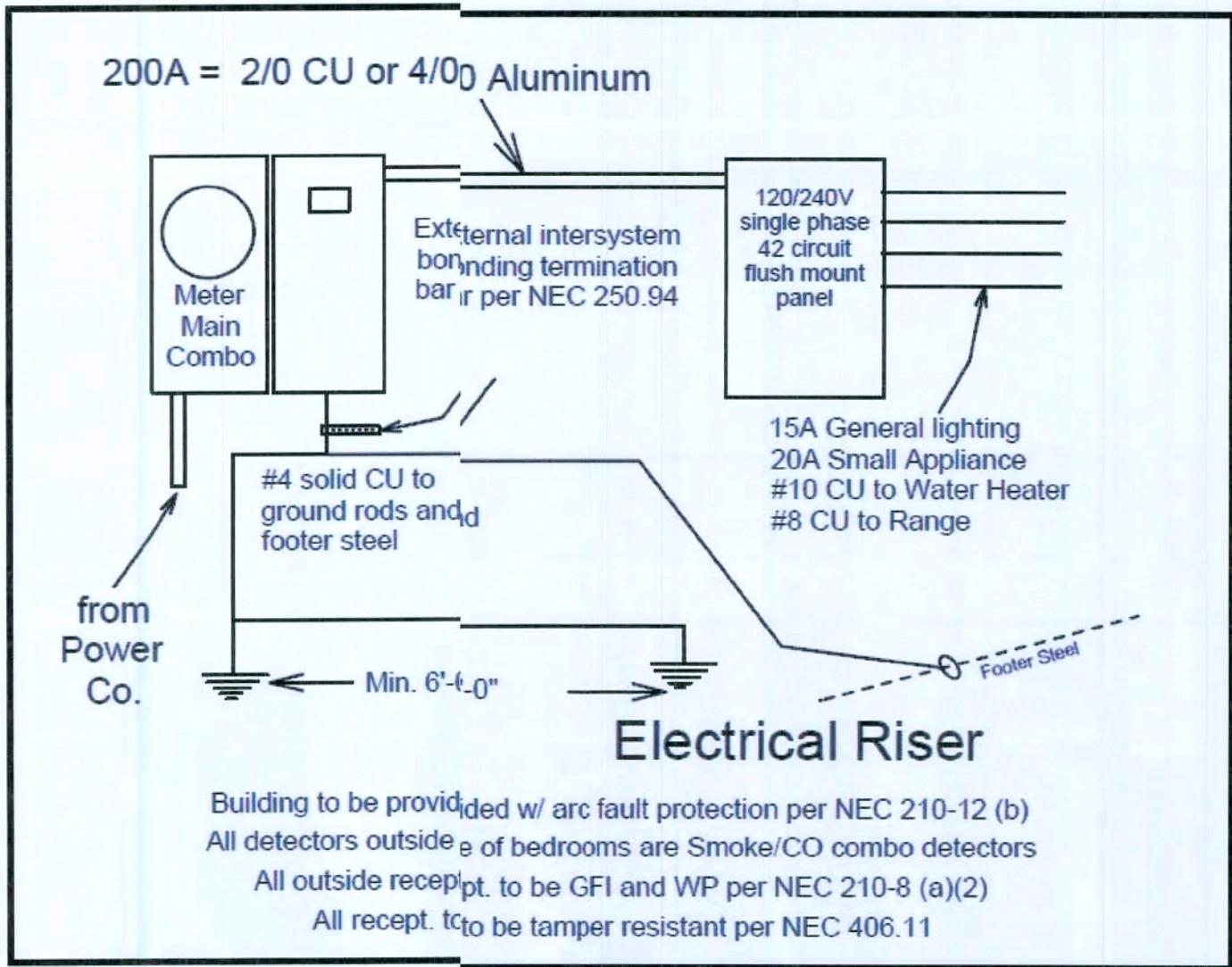
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## CROSS SECTION C/A3

SCALE : 3/4" = 1'-0"



## GROUNDING ELECTRODE SYSTEM DETAIL

NEC-250-50(C)

N.T.S.

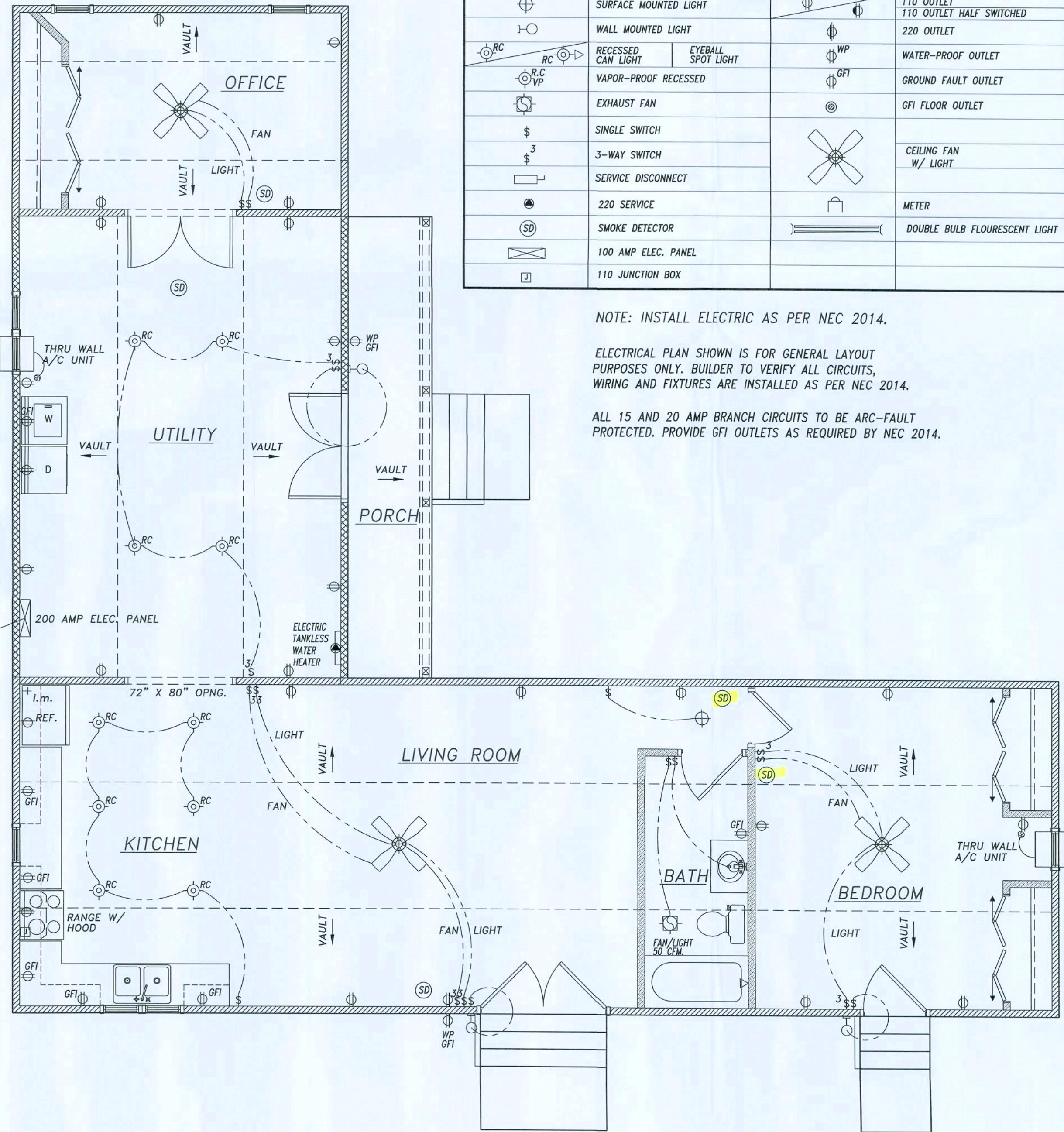
## ELECTRICAL SYMBOL KEY

	SURFACE MOUNTED LIGHT		110 OUTLET
	WALL MOUNTED LIGHT		110 OUTLET HALF SWITCHED
	RECESSED CAN LIGHT		220 OUTLET
	EYEBALL SPOT LIGHT		WATER-PROOF OUTLET
	VAPOR-PROOF RECESSED		GROUND FAULT OUTLET
	EXHAUST FAN		GFI FLOOR OUTLET
	SINGLE SWITCH		CEILING FAN W/ LIGHT
	3-WAY SWITCH		METER
	SERVICE DISCONNECT		DOUBLE BULB FLOURESCENT LIGHT
	220 SERVICE		
	SMOKE DETECTOR		
	100 AMP ELEC. PANEL		
	110 JUNCTION BOX		

NOTE: INSTALL ELECTRIC AS PER NEC 2014.

ELECTRICAL PLAN SHOWN IS FOR GENERAL LAYOUT PURPOSES ONLY. BUILDER TO VERIFY ALL CIRCUITS, WIRING AND FIXTURES ARE INSTALLED AS PER NEC 2014.

ALL 15 AND 20 AMP BRANCH CIRCUITS TO BE ARC-FAULT PROTECTED. PROVIDE GFI OUTLETS AS REQUIRED BY NEC 2014.



## ELECTRICAL PLAN

SCALE 1/4" = 1'-0"

DRAWING ISSUE

DATE: 06-30-2020

REVISED:

GENERAL CONTRACTOR

PROJECT

## A NEW TINY HOME FOR SHANNON DEESE

382 SW POLARIS TERRACE, FORT WHITE FL.  
DRAWN BY:

## CADTEC

Drafting Studio

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PHONE : (352)212-3242  
CADTECSTUDIO@GMAIL.COM

Architect:

Thomas H. Wiliford  
Architect, F.A.

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P.O. Box 144  
Lecanto, Florida 34460

352-476-1937

SEAL

Thomas H. Wiliford

SHEET TITLE:

ELECTRICAL PLAN TYPICAL SECTIONS AND DETAILS.

SHEET NUMBER

3 OF 3

## A3