DESIGN CRITERIA & GENERAL NOTES

26 GA. ALV. METAL ROOFING PANELSVER #15 FELT

PLYWOOCLIPS@ 24" O.C.)

7/16" B SHEETING INSTALLED -

2x4 SP₁ WOOD RAFTERS SPACED AT 24" C.

PAIND 3/8" SMART PANEL-

WS3 SEWS AT 24" O.C.

CONT. Y8 PT. SP#2 RIM JOIST .-

16" St 4" THK PRECAST CONC.

PAD APER FOUNDATION PLANS

PROVIDENCHORING AS

PER MFC ENGINEERED

26 GAGALV.METAL ROOFING PANEL:OVER #15 FELT

7/16" SB SHEETING INSTALLED -AS PEPRE-ENGINEERED PLANS

2x4 SP: WOOD RAFTERS SPACED —— AT 24".C. (ALIGN WITH WALL STUDS)

FASCIA ID SOFFIT AS PER

PAIND 3/8" SMART PANEL

WS3 SEWS AT 24" O.C. -

CONT. Y8 PT. SP#2 RIM JOIST .-

16" SI 4" THK PRECAST CONC.

PAD APER FOUNDATION PLANS

PROVIDENCHORING AS

PER MFG ENGINEERED

GRADE

SIDINAS PER MFGR.

PRE-ENIPLANS

GRADE

ATTACD W/ 6d NAILS AT 4" O.C. AT EES AND 12" O.C. IN FIELD.

FASCIA D SOFFIT AS PER

PRE-ENCLANS

MIN. 7/3" OSB SHEETING FASTENED W/ 8D FULL HEAD —

12

RING SHK NAILS. MIN GROUP 2 SPECIES TO BE USED AT

PERPENDULAR TO FRAMING W/ END JOINTS STAGGERED.

INTERMEATE FRAMING. SHEATHING TO BE INSTALLED

(SEE FMING PLAN FOR NAIL PATTERN) (PROVIDE

2X12 SP#2 RIDGE BEAM -

USP RT7A-TZ TYP. AT ALL

-(2) 2x4 SP#2 TOP PLATE

SPACED 24" OC

VAPOR BARRIER

PAINTED 1/2" DRYWALL

RAFTER TIE DOWN LOCATIONS.

TYP 2x4 SPF STUD GRADE STUDS

R-13 HI DENSITY BATT INSULATION

- 2x6 SP#2 FLOOR JOISTS SPACED AT 24" O.C.

CROSS SECTION B/A1

SIMPSON H5 TYP. AT ALL

-(2) 2x4 SP#2 TOP PLATE

SPACED 24" OC

VAPOR BARRIER

PAINTED 1/2" DRYWALL

RAFTER TIE DOWN LOCATIONS.

TYP 2x4 SPF STUD GRADE STUDS

R-13 HI DENSITY BATT INSULATION

3/4" PLYWOOD DECKING -ATTACHED TO FRAMING AS PER PRE-ENGINEERED PLANS

CROSS SECTION A/A1

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

4X6 PT. SP#2 SKIDS

PRE-ENGINEERED PLANS

ATTACHED AS PER

- (2) DRY STACKED 8X16 CMU BLOCK PIERS TYP.

- 4X6 PT. SP#2 SKIDS ATTACHED TO EA. FLOOR

- (2) DRY STACKED 8X16 CMU BLOCK

JOIST W/ (2) $\frac{1}{2}$ "X3 $\frac{1}{2}$ " LAG SCREWS TYP.

USP JUS24 HANGERS

AT ALL RAFTERS

- R-30 BATT INSULATION

_ 2x4 SP#2 COLLAR TIES W/ (1) USP NP15 NAIL PLATE

1 13/16" X 5" ON EA. SIDE

2"X4" STRUCTURAL MENDING

- R-30 HI DENSITY BATT INSULATION

PLATES AS PER PRE-ENGINEERED PLANS

Design Loads: Wind Loading = 140 mph TCLL = 20 psf TCDL = 7 psf (shingles/Metal)

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:

TCDL = 15 psf (Tiles)

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

Applicable Florida Codes:

Florida Building Code-Building, 6th Edition, 2017 Florida Building Code- Residential, 6th Edition ,2017

have factory applied self-seal strips or be interlocking.

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

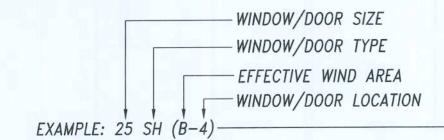
Wind Importance Factor = 1.0 Wind Exposure Category = C

Internal Pressure Coefficient = .18

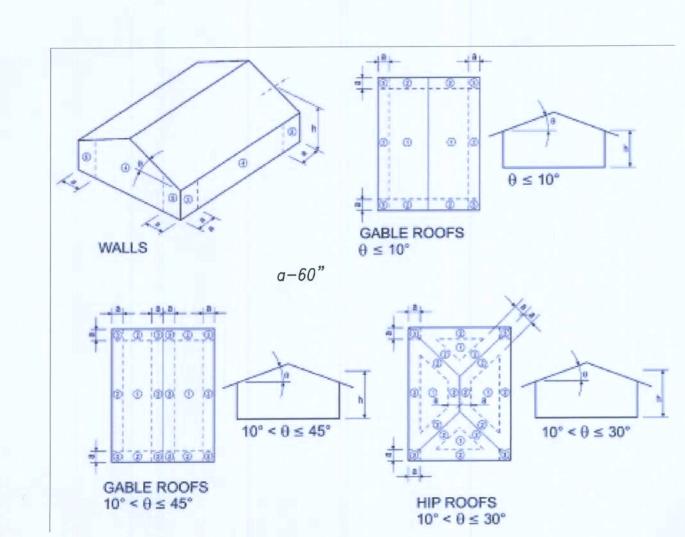
Building Catagory = II Fully Enclosed Design

Surface Roughness Catagory = C

COMPONENTS & CLADDING



Cone	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 -76.6
		20.1 to 100 SF	+19.5 or -64.5
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 -64.5
4	Mid-Wall Areas	(A) 10 SF or Less	+42.6 or -46.2
		(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
5	Wall Comers	(A) 10 SF or Less	+42.6 or -49.40
		(B) 10.1 to 20 SF	+40.6 or -48.2
		(C) 20.1 to 50 SF	+38.1 or -46.0
		(D) 50.1 to 500 SF	+38.1 or -44.0



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

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

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

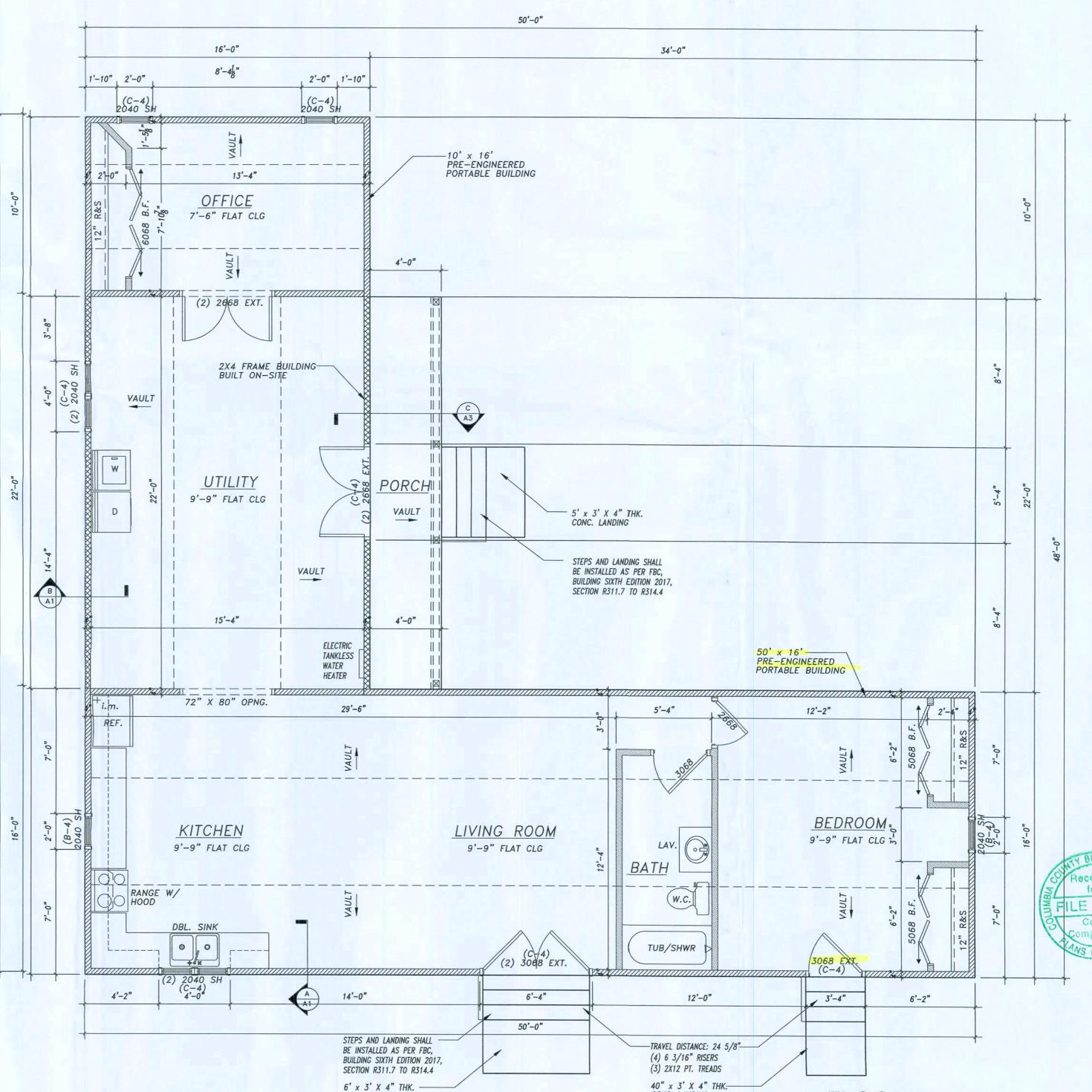
VENTILATION CALCULATION

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



CONC. LANDING

DRAWING ISSUE DATE: 06-30-2020

REVISED:

GENERAL CONTRACTOR

PROJECT

A NEW TINY HOME SHANNON DEESE

382 SW POLARIS TERRACE, FORT WHITE FL,

CADTEC

Drafting Studio INCORPORATED

PHONE: (352)212-2242 CADTECSTUDIO@GNAIL.COM

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

Thomas H. Williford

DESIGN CRITERIA, GENERAL NOTES FLOOR PLAN, WINDOV ROUGH OPENING SCHED. AREA TABULTION TYP. WALL SECTIONS

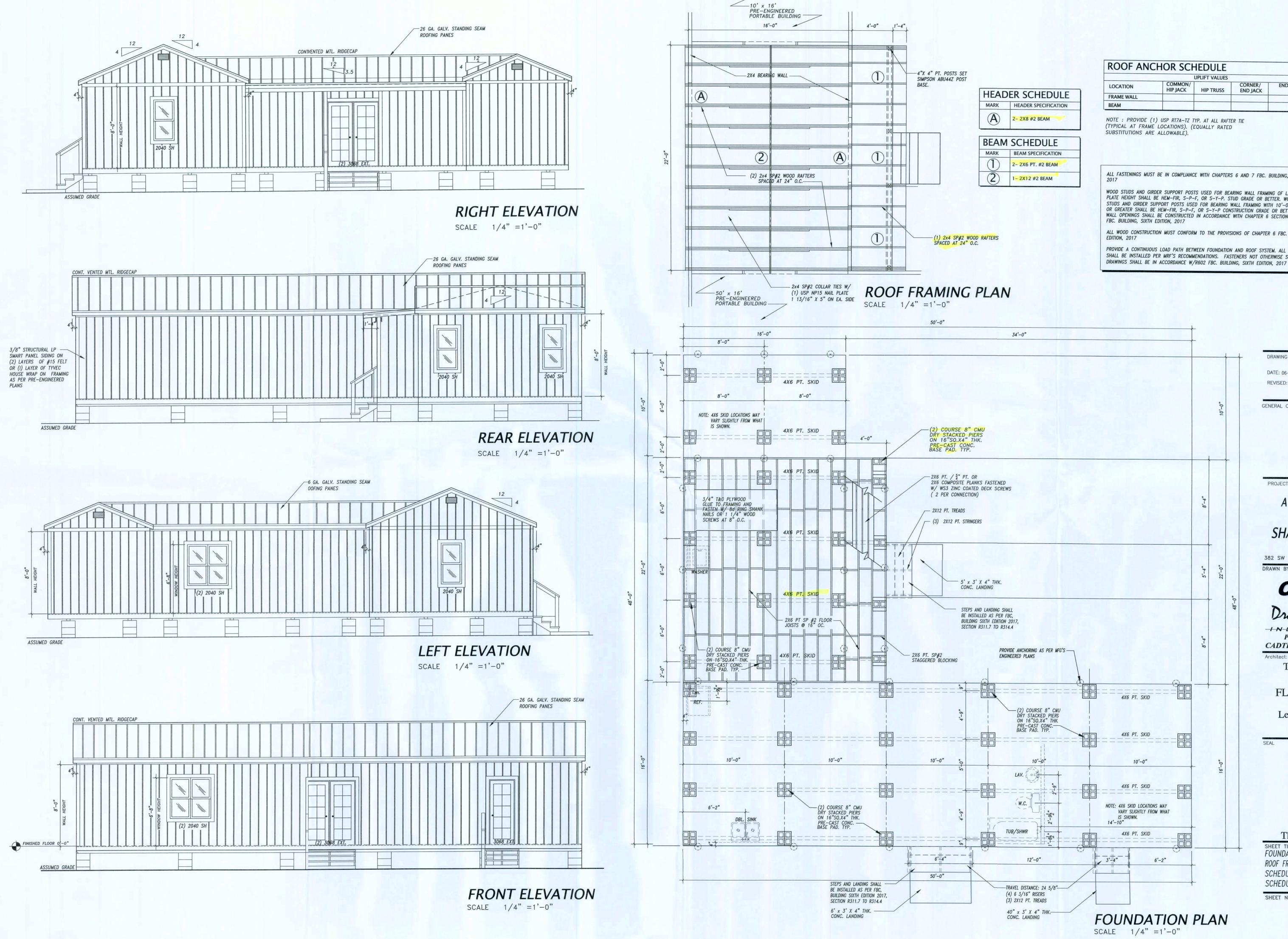
SHEET NUMBER

FLOOR PLAN

SCALE 1/4" =1'-0"

A1

1 OF 3



END ZONE HIP TRUSS END JACK

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

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,

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

PROVIDE A CONTINUOUS LOAD PATH BETWEEN FOUNDATION AND ROOF SYSTEM. ALL CONNECTORS SHALL BE INSTALLED PER MRF'S RECOMMENDATIONS. FASTENERS NOT OTHERWISE SPECIFIED ON

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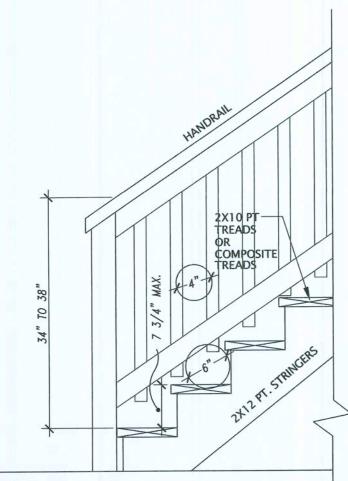
2 OF 3

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

SHEET NUMBER

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

R311.7 Stairways.

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 311/2 inches (787 mm) where a handrail is installed on one side and 27 inches (698 mm) where handrails are provided on both sides.

26 G, GALVANIZED MTL. PANELS INSTAED AS PER MFGR SPEC.

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 winder 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.

The maximum riser height shall be 7 \(\frac{3}{4} \) 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).

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

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 at 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 11/4 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.

1. A nosing is not required where the tread depth is a minimum of 11 inches (279 mm).

2. The opening between adjacent treads is not limited on stairs with a total rise of 30 inches (762 mm) or less.

R311.7.4.4 Exterior wood/plastic composite stair treads. Wood/plastic composite stair treads shall comply with the provisions of Section R317.4.

R311.7.5 Landings for stairways. There shall be a floor or landing at the top and bottom of each stairway.

Exception: A floor or landing is not required at the top of an interior flight of stairs, including stairs in an enclosed garage, provided a door does not swing over the stairs. A flight of stairs shall not have a vertical rise larger than 12 feet (3658 mm) between floor levels or landings. The width of each landing shall not be less than the width of the stairway served. Every landing shall have a minimum dimension of 36 inches (914 mm) measured in the direction of travel.

The walking surface of treads and landings of stairways shall be sloped no steeper than one unit vertical in 48 inches horizontal (2-percent slope). R311.7.7 Handrails.

Handrails shall be provided on at least one side of each continuous run of treads or flight with four or more risers.

Handrail height, measured vertically from the sloped plane adjoining the tread nosing, or finish surface of ramp slope, shall be not less than 34 inches (864 mm) and not more than 38 inches (965 mm).

R311.7.6 Stairway walking surface.

1. The use of a volute, turnout or starting easing shall be allowed over the lowest tread.

2. When handrail fittings or bendings are used to provide continuous transition between flights, the transition from handrail to guardrail, or used at the start of a flight, the handrail height at the fittings or bendings shall be permitted to exceed the maximum height.

Handrails for stairways shall be continuous for the full length of the flight, from a point directly above the top riser of the flight to a point directly above the lowest riser of the flight. Handrail ends shall be returned or shall terminate in newel posts or safety terminals. Handrails adjacent to a wall shall have a space of not less than 11/2 inch (38 mm) between the wall and the handrails.

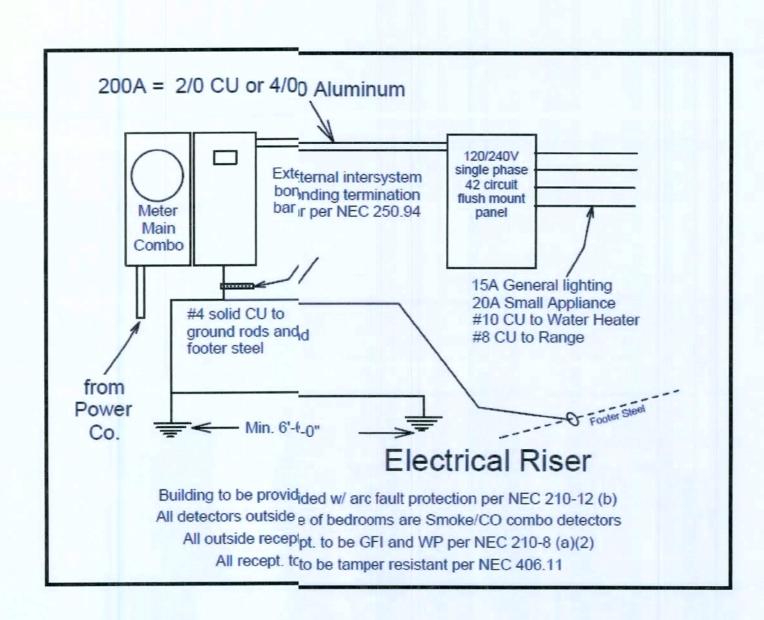
1. Handrails shall be permitted to be interrupted by a newel post at the turn.

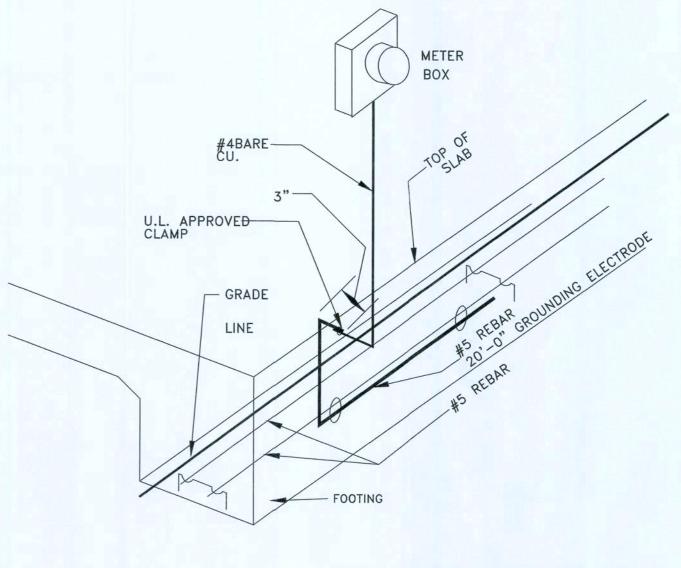
2. The use of a volute, turnout, starting easing or starting newel shall be allowed over the lowest tread.

R311.7.7.3 Grip-size. All required handrails shall be of one of the following types or provide equivalent graspability.

1. Type I. Handrails with a circular cross section shall have an outside diameter of at least 11/4 inches (32 mm) and not greater than 2 inches (51 mm). If the handrail is not circular, it shall have a perimeter dimension of at least 4 inches (102 mm) and not greater than 61/4 inches (160 mm) with a maximum cross section of dimension of 2 1/4 inches (57 mm). Edges shall have a minimum radius of 0.01 inch (0.25 mm).

2. Type II. Handrails with a perimeter greater than 61/4 inches (160 mm) shall have a graspable finger recess area on both sides of the profile. The finger recess shall begin within a distance of 3/4 inch (19 mm) measured vertically from the tallest portion of the profile and achieve a depth of at least 5/16 inch (8 mm) within 7/8 inch (22 mm) below the widest portion of the profile. This required depth shall continue for at least 3/8 inch (10 mm) to a level that is not less than 13/4 inches (45 mm) below the tallest portion of the profile. The minimum width of the handrail above the recess shall be 11/4 inches (32 mm) to a maximum of 23/4 inches (70 mm). Edges shall have a minimum radius of 0.01 inch (0.25 mm).



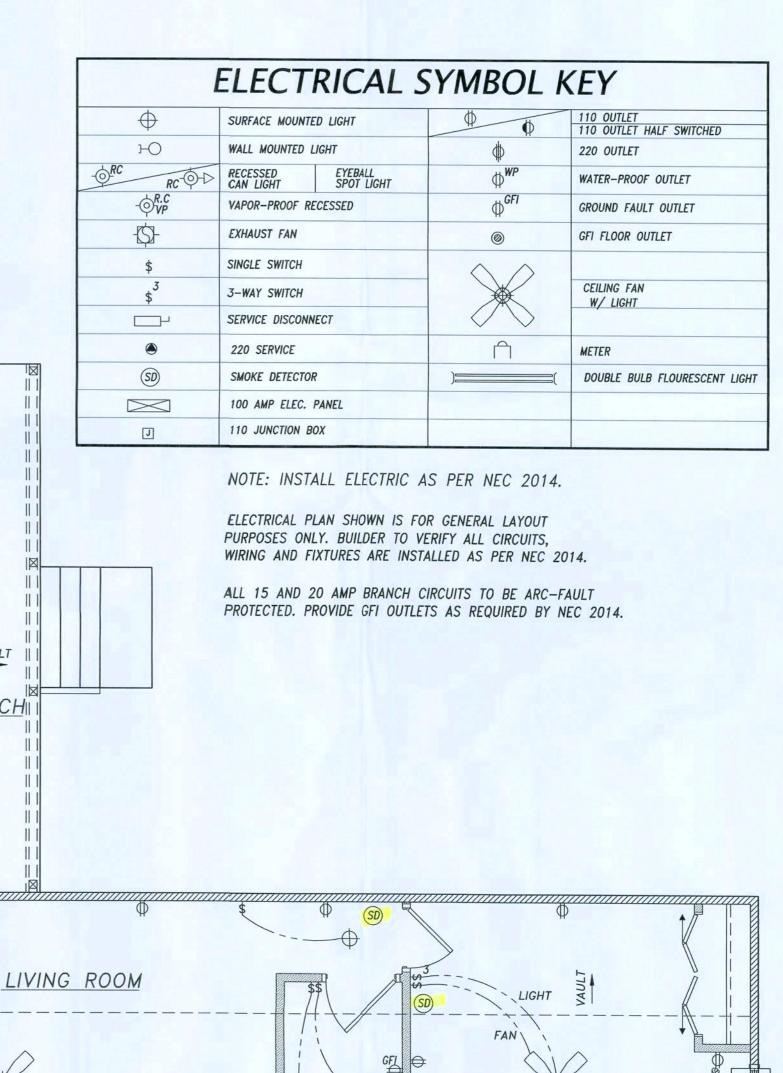


GROUNDING ELECTRODE SYSTEM DETAIL

NEC - 250 - 50(C)

N.T.S.

SCALE 1/4" =1'-0"



DRAWING ISSUE DATE: 06-30-2020 REVISED:

GENERAL CONTRACTOR

PROJECT

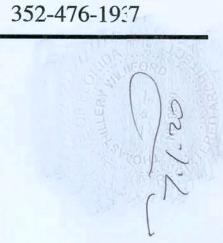
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382 SW POLARIS TERRACE, FORT WHITE FL,

CADTEC

Drafting Studio INGORPORATED PHONE: (352)212-2242 CADTECSTUDIO@GMAIL.COM

Thomas H. Williford Architect, F.A. FL. LIC. AA26001749 P.O. Box 144 Lecanto, Florida 34460



Thomas H. Williford

ELECTRICAL PLAN TYPICAL SECTIONS AND DETAILS.

SHEET NUMBER

3 OF 3

