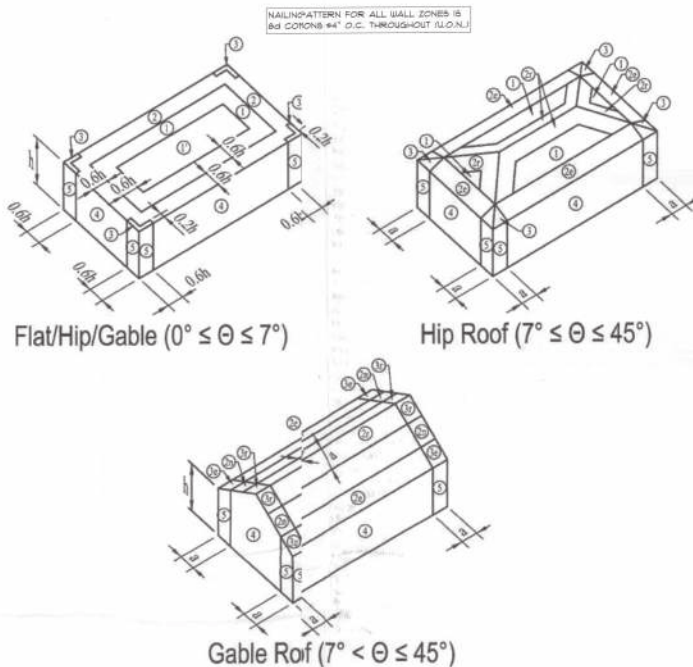




GENERAL NOTES EXPOSURE B (140 mph)

- The design for this structure has been reviewed for compliance with the windload provisions of Chapter 16, Florida Building Code, Building, 2020 Seventh Edition and ASCE 7-16 using the following criteria:

ULTIMATE DESIGN WIND SPEED = 140 mph
NOMINAL DESIGN WIND SPEED = 108 mph

BUILDING RISK CATEGORY = II
EXPOSURE CATEGORY = B (all directions)

INTERNAL PRESSURE COEFFICIENT:
± 0.18 FOR ENCLOSED STRUCTURES
± 0.55 FOR PARTIALLY ENCLOSED STRUCTURES
± 0.0 FOR OPEN STRUCTURES

- Components and cladding wind pressures in pounds per square foot (PSF) to be used for design of exterior component and cladding materials shall be in compliance with ASCE 7-16 Chapter 30 as follows:

GABLE ROOF 20- 27 DEGREES						
EFFECTIVE AREA	Zone 1	Zone 2e	Zone 2n	Zone 2r	Zone 3e	Zone 3r
A: $0.5 \leq 10$	+21.4/-50.2	+21.4/-50.2	+21.4/-80.1	+21.4/-80.1	+21.4/-80.1	+21.4/-103.2
B: $11 \leq 20$	+19.3/-50.2	+19.3/-50.2	+19.3/-70.1	+19.3/-70.1	+19.3/-70.1	+19.3/-84.2
C: $21 \leq 50$	+16.5/-42.6	+16.5/-42.6	+16.5/-57.0	+16.5/-57.0	+16.5/-57.0	+16.5/-59.2
D: $51 \leq 100$	+14.3/-36.9	+14.3/-36.9	+14.3/-47.1	+14.3/-47.1	+14.3/-47.1	+14.3/-59.2

HIP ROOF 20- 27 DEGREES				
EFFECTIVE AREA	Zone 1	Zone 2e	Zone 2r	Zone 3
A: $0.5 \leq 10$	+12.1/-31.7	+12.1/-30.0	+12.1/-30.0	+12.1/-30.0
B: $11 \leq 20$	+10.5/-19.3	+10.5/-19.3	+10.5/-19.3	+10.5/-19.3
C: $21 \leq 50$	+8.3/-16.1	+8.3/-16.1	+8.3/-16.1	+8.3/-16.1
D: $51 \leq 100$	+6.6/-13.5	+6.6/-13.5	+6.6/-13.5	+6.6/-13.5

WALL		
EFFECTIVE AREA	Zone 4	Zone 5
A: $0.5 \leq 10$	+35.3/-38.2	+35.3/-47.2
B: $11 \leq 20$	+33.7/-36.7	+33.7/-44.0
C: $21 \leq 50$	+31.6/-34.6	+31.6/-39.8
D: $51 \leq 100$	+30.0/-33.0	+30.0/-36.7

- All work and materials shall conform to the requirements of the Florida Building Code, Building, 2020 Seventh Edition.
- All exterior walls between openings are designed as and should be considered shearwalls.
- Design loads used in the analysis are as follows:

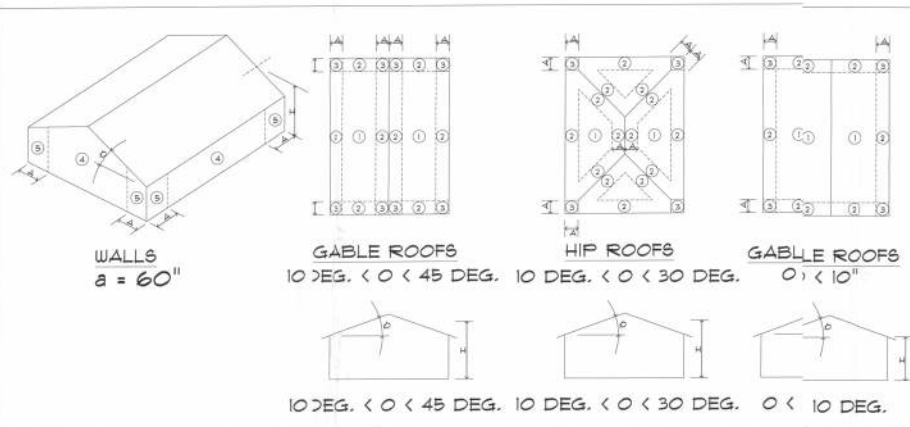
LIVE LOADS

ROOFS = 20 PSF
FLOORS = 40 PSF
GARAGE FLOOR = 50 PSF
BALCONIES = 60 PSF
PORCHES, LOFTS, DECKS = 40 PSF

DEAD LOADS

ROOFS = 17 PSF FOR ALL PROJECTS EXCEPT
CLAY OR CONCRETE TILE ROOFS
FLOORS = 10 PSF

- Concrete foundations shall comply with the requirements of Chapter 18, FBCB, subsurface Geotechnical Information has not been provided to the engineer. Therefore, foundations and footings are designed for the following assumed soil bearing conditions: Loose granular material with no appreciable clay or organic material with a minimum allowable bearing pressure of 2000 PSF per FBCB Table 1806.2. Compact fill to 95% modified proctor.
- Masonry construction shall conform to requirements of Chapter 21, FBCB. Net area compressive strength of masonry is 1500 PSI. Type M or S Mortar shall be used. All masonry should be laid in running bond pattern with head joints in successive courses offset by not less than one-fourth the unit length. Thickness of bed joints shall not exceed 5/8". Glass unit masonry shall be constructed in accordance with Section 2110 FBCB.
- Grout used to fill cells, lintels and band beams shall conform to requirements of ASTM C476 and Chapter 21 FBCB. Required minimum compressive strength is 2000 PSF at 28 days UNO.
- Concrete shall conform to requirements of Chapter 19, FBCB, and have a minimum compressive strength of 3000 PSI at 28 days UNO.
- Reinforcing bars shall be Grade 40 or 60 minimum in foundations, masonry foundation walls, and CMU walls UNO. Reinforcing bars shall be deformed billet steel bars and comply with ASTM A 615 requirements. Joint reinforcing if used, shall be 9 Gauge, galvanized steel conforming to ASTM A82 requirements. Welded wire fabric shall conform to ASTM A 185 requirements. Wire fabric shall be supported as required in Section 1907 FBCB. Synthetic fiber reinforcement shall conform to requirements of Section 1907, FBCB.
- Wood roof and wall sheathing shall be APA-Rated panels. Wall sheathing fasteners shall be 8D common or galvanized boxnails with spacing along panel edges 6" O.C. with intermediate fasteners at 12" O.C. UNO. Roof sheathing fasteners shall be 8D ring shank nails without exception with spacing 6" O.C. within "X" distance of eaves, hips, ridges, gable ends, lookout blocks, outlookers and intermediate field spacing at 8" O.C. UNO. Thickness of all wood panels to be noted on the drawings.
- Wood studs and girder support posts used for bearing wall framing shall be HEM-Fir, S-P-F or S-P-F #2 Grade or better. All posts under girders shall have a minimum of one stud per girder ply. Wall openings shall be constructed in accordance with Ch. 23 FBCB, UNO. Wood beams, headers, rafters and other horizontal load bearing elements shall be S-P-F #2 Grade or better.
- Fastening of wood framing shall conform to Table 2304.10.1 FBCB, unless noted otherwise.
- Design of prefabricated wood trusses in floors and roofs is delegated to the truss manufacturer's design intent of the project. The contractor is responsible for installing all temporary and permanent truss bracing required by the manufacturer in addition to any supplemental bracing shown on the drawings. Installation of prefabricated wood trusses shall follow the recommendations of the manufacturer.
- Wood construction connectors shown on the drawing represent the designer's intent to furnish a complete load path from roof to foundation. The contractor is responsible for furnishing and installing the specified connector a substitute connector with documented equivalent capacity.
- Deviations from these drawings are the responsibility of the contractor and owner. Modifications of structural details shall be submitted to the engineer for approval prior to proceeding with the modification. All changes to structural details constructed without approval of the engineer are at the contractor's and owner's risk.



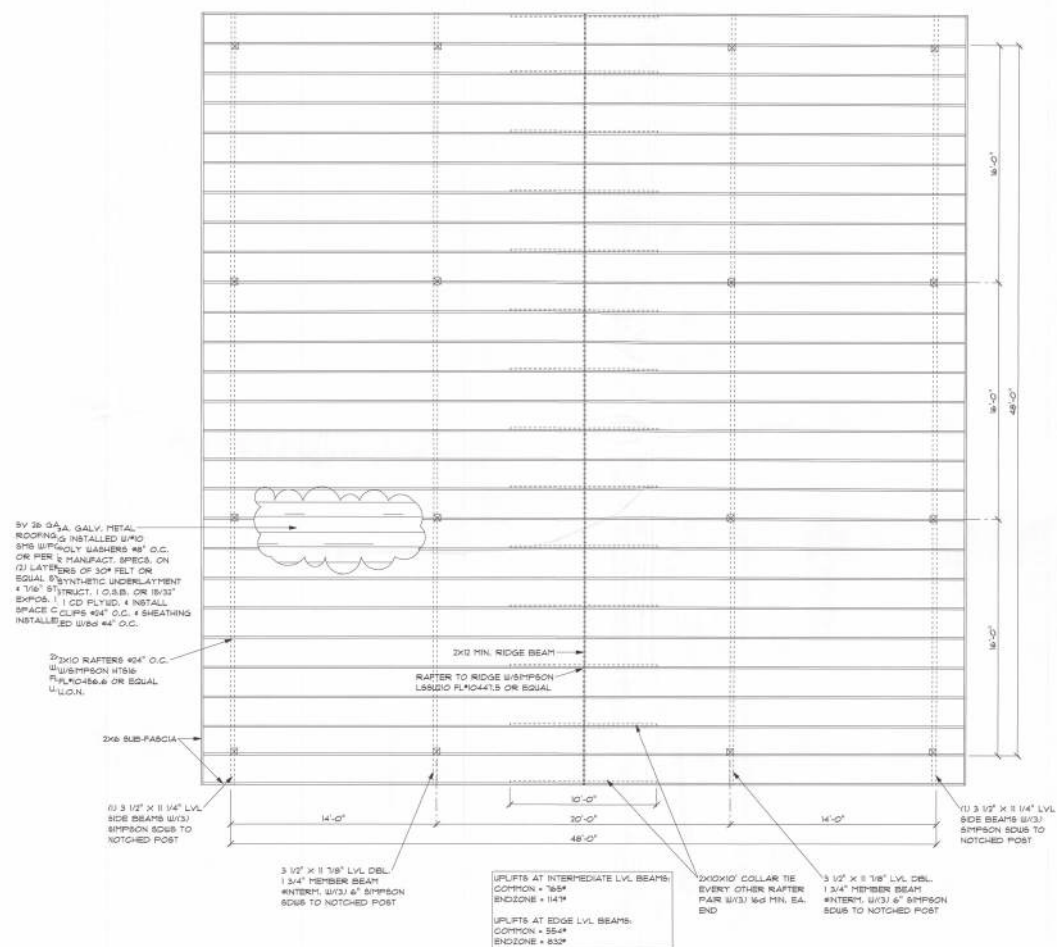
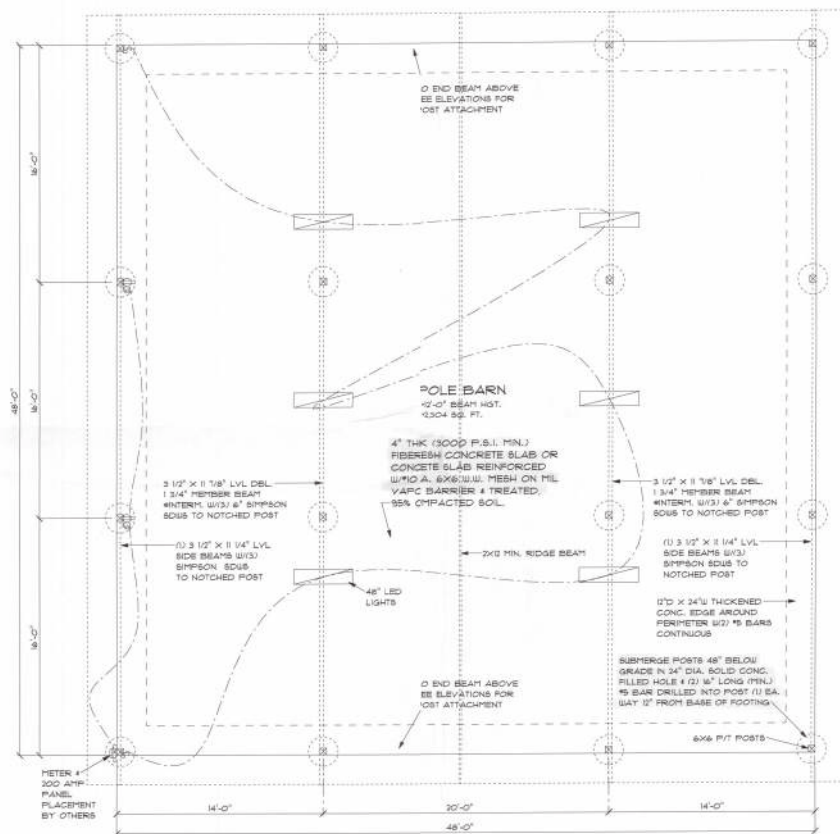
PROPOSED 48' X 48' POLE BARN FOR:

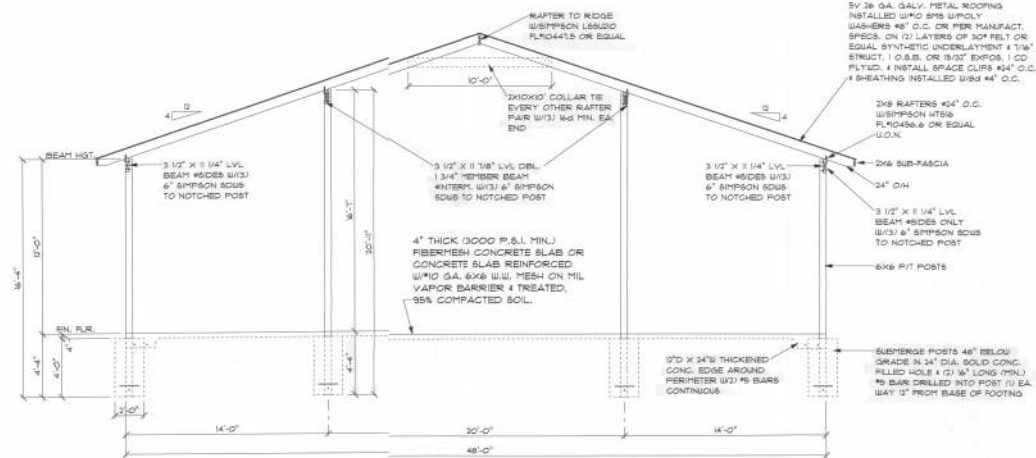
EVAN EKASALA
PARCEL #17-65-16-03847-001
6256 SW ELIM CHURCH RD
FORT WHITE FL 32038

CONTENTS:

- 1 OF 3 COVER
- 2 OF 3 MAIN FLOOR & ROOF TRUSS LAYOUT
- 3 OF 3 ELEVATIONS

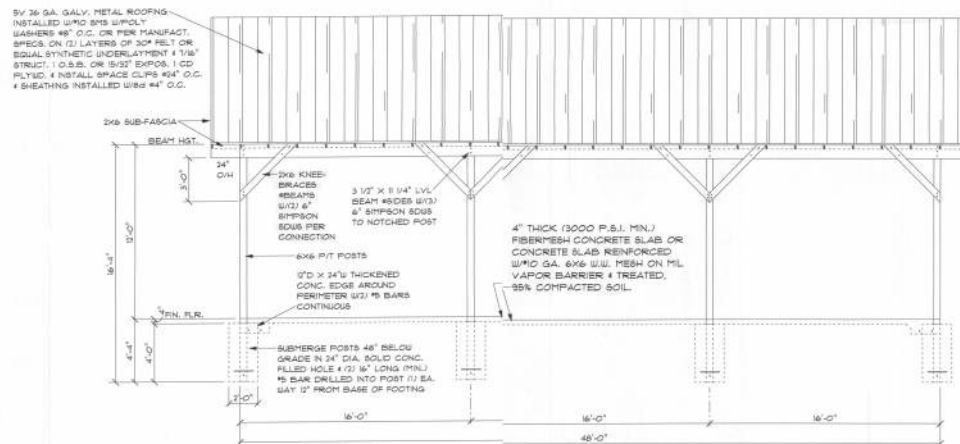






FRONT & REAR ELEVATION

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



LEFT & RIGHT ELEVATION

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