

WIND PRESSURE ON COMPONENTS AND CLADDING

Zone 1	+/- 19.47
Zone 2	+/- 29.96
Zone 3	+/- 41.63
Zone 4	+/- 27.05
Zone 5	+/- 30.02

PROFESSIONAL SERVICES BY
DRISCOLL ENGINEERING, INC.
PO BOX 337577
GAINESVILLE, FL 32633
PH: 352.331.9193
CA 6690

PLANS AND SPECIFICATIONS
The plans and specifications presented herein are applicable only for the anticipated construction at the locations shown. If construction plans change, the Design Professional should be notified so that the plans and specifications can be re-evaluated. The Design Professional shall be responsible for any changes to the plans and specifications. The Design Professional warrants that the plans and specifications have been prepared and checked in accordance with the standards and accepted professional engineering practice. No other warranties are implied or expressed.

CORPORATE PROTECTION
It is understood and agreed that the Design Professional's Basic Services under this Agreement do not include project observation or review of the Contractor's performance or quality of work. The Design Professional shall not be held responsible for the Contractor's performance or quality of work. The Design Professional shall not be held responsible for the Contractor's performance or quality of work. The Design Professional shall not be held responsible for the Contractor's performance or quality of work.

DESIGN PROFESSIONAL'S OBLIGATIONS
The Design Professional shall be responsible for the design and construction of the project. The Design Professional shall be responsible for the design and construction of the project. The Design Professional shall be responsible for the design and construction of the project.

DEFECTS IN SERVICE
The Client shall promptly report to the Design Professional any defects or suspected defects in the Design Professional's work. The Design Professional shall be responsible for the design and construction of the project. The Design Professional shall be responsible for the design and construction of the project.

VERIFICATION OF EXISTING CONDITIONS
The Design Professional shall be responsible for the design and construction of the project. The Design Professional shall be responsible for the design and construction of the project. The Design Professional shall be responsible for the design and construction of the project.

ASSUMPTIONS
The Design Professional shall be responsible for the design and construction of the project. The Design Professional shall be responsible for the design and construction of the project. The Design Professional shall be responsible for the design and construction of the project.

1-All construction shall comply with Florida Building Code 7th edition 2020.

- ULTIMATE WIND SPEED: 130
- NOMINAL WIND SPEED: 101
- WIND EXPOSURE CATEGORY: B
- RISK CATEGORY 1 NON HABITABLE
- INTERNAL PRESSURE COEFFICIENT G_{pr} = +/- 0.0
- DESIGN PRESSURE PER FBC CHAPTER 16, INCLUDING ASCE 7-16 LOAD CALCULATIONS
- ROOF LIVE LOAD = 12.5 PSF
- ROOF DEAD LOAD = 2.5 PSF
- MIN SOIL BEARING 2500 PSF
- TRUSS BEARING LOAD EACH END 5200LB
- TRUSS UPLIFT @ POST 3400LBS
- CONCRETE BEARING LIVE LOAD 60PSF
- CONCRETE BEARING LIVE LOAD 60PSF
- 1. Wood framing and fasteners to meet NDS-2012 requirements.
- 2. Fastener requirements: (1) All nails are Common galvanized; (2) all bolts are to be galvanized steel and include nuts and washers; and (3) all other hardware (Simpson, etc.) is to be installed according to manufacturer's specifications and recommendations. Nailing (size and number) shall satisfy Tables 2306.2 (1), 2306.3 (1) and 2306.3 (4) FBC unless otherwise indicated. Note: fasteners exposed to the weather are to be treated for weather resistance and compatible with the type of pressure treated wood used (connectors, nails, bolts, nuts and washers).

Concrete Construction Notes

- Concrete work shall conform to "Building Code Requirements for Reinforced Concrete" (ACI-318) and Specifications for Structural Concrete" (ACI-301), Latest Edition.
- Concrete mix shall conform to the following specifications. All concrete mixes shall conform to ASTM C-260, water-reducing admixture conforming to ASTM C-494. Air-entraining admixture shall conform to ASTM C-260.

CONCRETE MIX A

Ultimate Compressive Strength @ 28 days	3,000 PSI
Slump Range	4" +/- 1"
Maximum Aggregate Size	1"
Entrained Air	None
Dry Weight per Cubic Foot	150 #

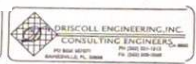


- Shotcrete mix
- All concrete shall be cured for a minimum of 28 days before use. If forms for vertical surfaces are removed prior to the end of the curing period, spray surfaces with liquid membrane curing compound.
- Reinforcing steel shall conform to ASTM A615, Grade 40 (F_y=40 ksi). Lap continuous bars for tension lap splice per ACI-318, unless otherwise noted. Provide corner bars of same size and spacing as horizontal wall reinforcement. Cover for concrete reinforcing steel shall be in accordance with ACI-318, Paragraph 7.7.
- Welded wire fabric (WWF) shall conform to ASTM A 185. Lap sheets two mesh spaces and wire tie adjacent sheets together securely. Cut alternate reinforcement at control joints.
- All slabs on grade shall have construction or control joints not to exceed 10'-0" spacing, unless otherwise noted.
- Electrical conduit and other pipes to be embedded in structural concrete floor slabs or walls shall be placed in accordance with the requirements of ACI-318, Paragraph 6.3.

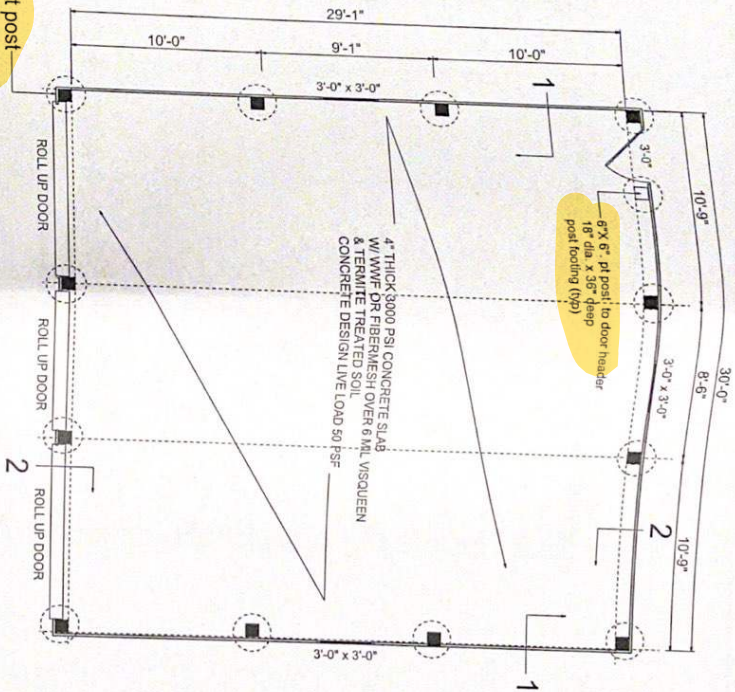
30' x 30' ENCLOSED POLE STORAGE STRUCTURE

4-26-21
Michael E Driscoll PE
FL Reg # 43922

MONROE
1768 SW SHILOH ST
FT WHITE, FL. DB21-264 abt



6" X 6" : pt post
 24" dia. x 48" deep
 post footing (typ)



ALL DOOR DESIGN & ATTACHMENTS BY OTHERS

FOUNDATION PLAN VIEW

3/16" = 1'-0"

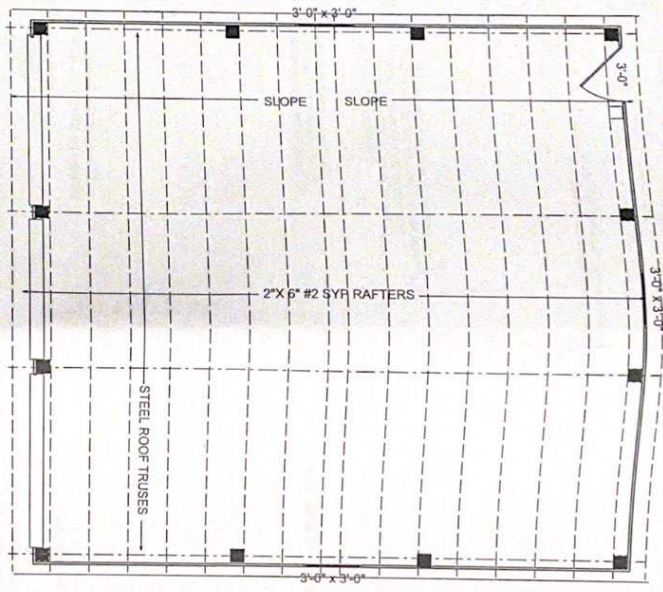


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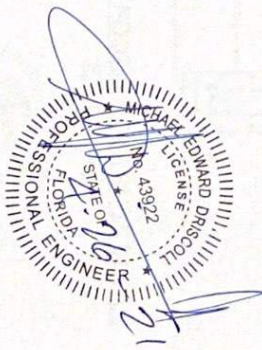
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SHEET
 2



ROOF PLAN VIEW
 ALL DOOR DESIGN & ATTACHMENTS BY OTHERS



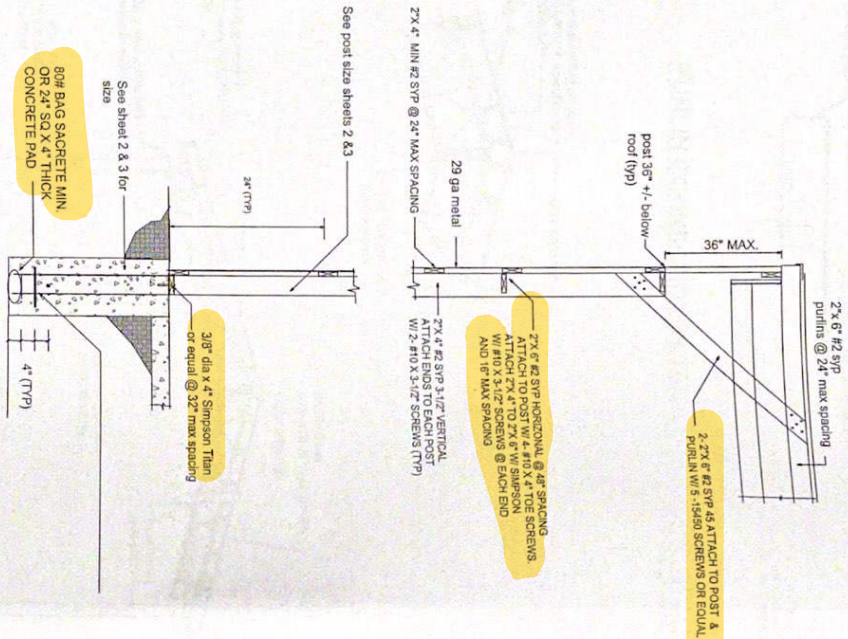
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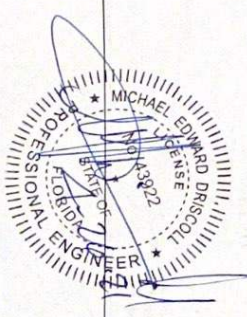
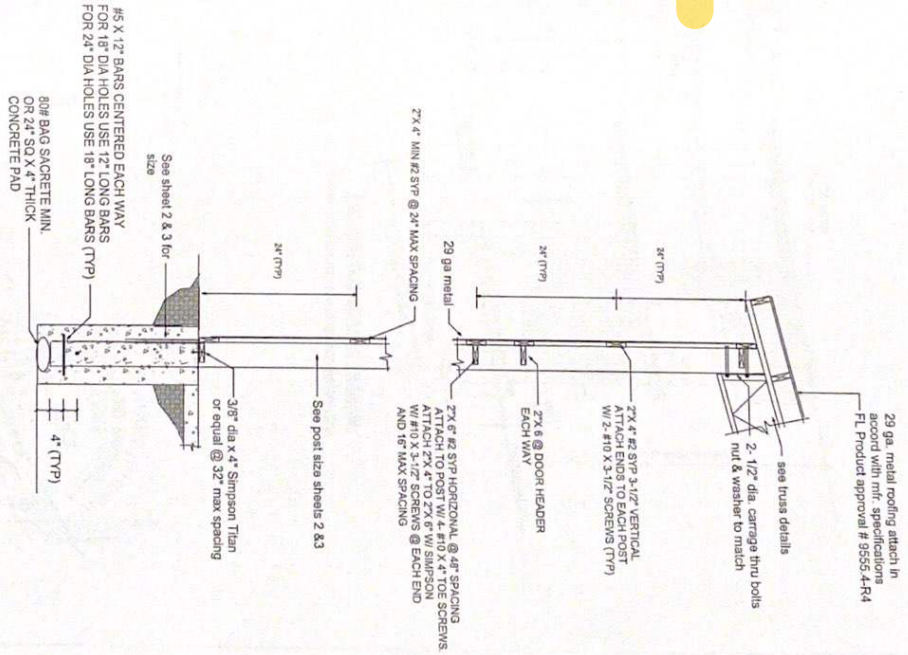
MONROE
 1768 SW SHILOH ST
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SHEET:
3

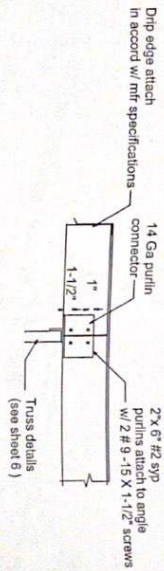
**POST FOOTING TO TRUSS DETAIL
SECTION 2**



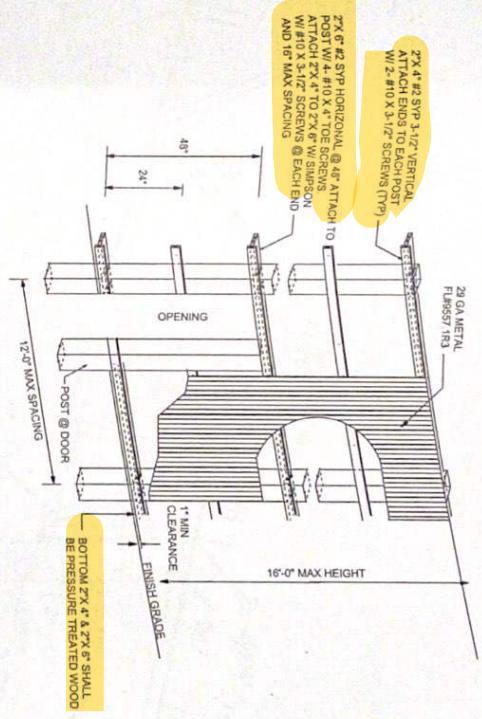
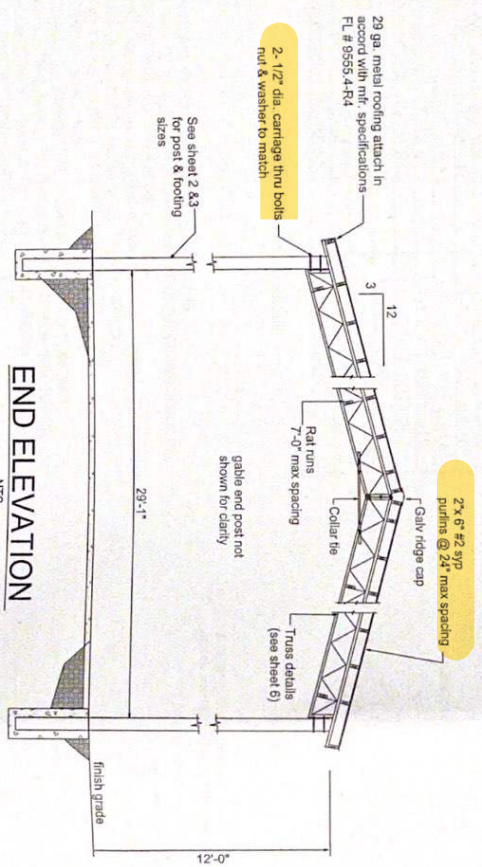
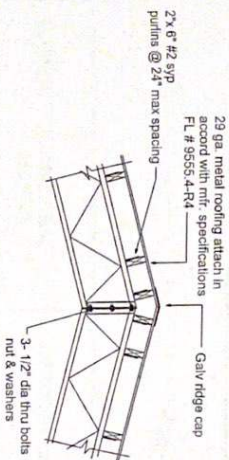
**POST FOOTING TO TRUSS DETAIL
SECTION 1**



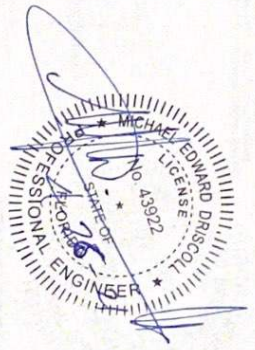
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PURLIN CONNECTION DETAIL



140 MPH SOLID WALL DESIGN.
 * USE COATED SCREWS FOR EXTERIOR USE



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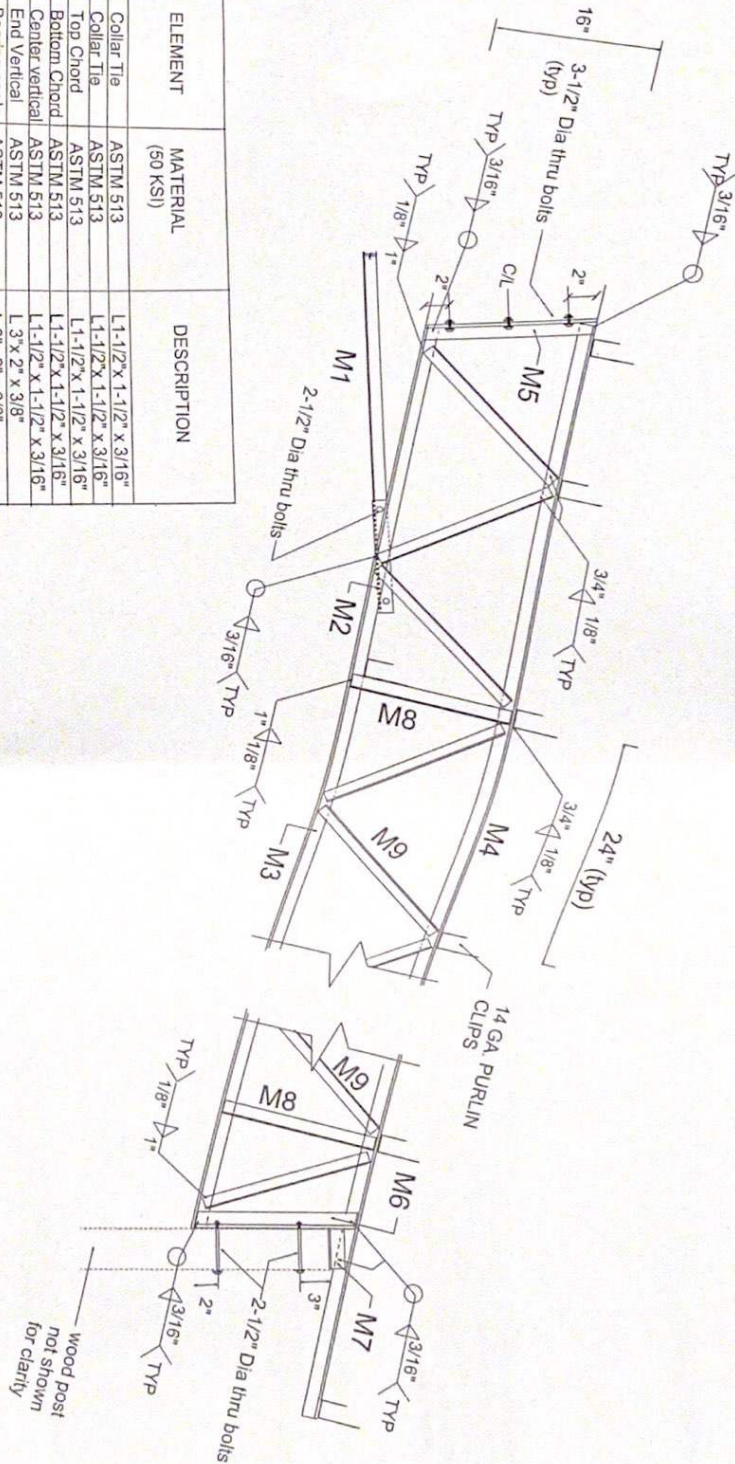
SHEET
5

No.	ELEMENT	MATERIAL (50 KSI)	DESCRIPTION
M1	Collar Tie	ASTM 513	L-1-1/2" x 1-1/2" x 3/16"
M2	Collar Tie	ASTM 513	L-1-1/2" x 1-1/2" x 3/16"
M3	Top Chord	ASTM 513	L-1-1/2" x 1-1/2" x 3/16"
M4	Bottom Chord	ASTM 513	L-1-1/2" x 1-1/2" x 3/16"
M5	Center vertical	ASTM 513	L-1-1/2" x 1-1/2" x 3/16"
M6	End Vertical	ASTM 513	L-3" x 2" x 3/8"
M7	Bearing angle	ASTM 513	L-3" x 2" x 3/8"
M8	Inside vertical	ASTM 513	L-1-1/4" x 1-1/4" x 1/8"
M9	Diagonal web	ASTM 513	L-1-1/4" x 1-1/4" x 1/8"

STEEL TRUSS CROSS SECTION

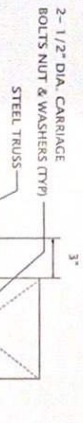
NOTES:

- 1-MATERIALS SHALL CONFORM TO STEEL ASTM 513.
- 2- ALL STEEL SHALL BE 50KSI IN ACCORD WITH CURRENT AISC MANUAL.
- 3- WELDING ELECTRODES TYPE E70XX
- 4- ALL WELDING SHALL BE IN ACCORD WITH CURRENT AWWA REQUIREMENTS.
- 5- ALL WELDING SHALL BE DONE BY A CERTIFIED WELDER
- 6- BOLTS SHALL BE ASTM A325 W/ NUTS & WASHERS. (TYP)
- 7- WELD STRENGTH 70 KSI MIN.
- 8- ALL POST SHALL BE PRESSURE TREATED GROUND CONTACT.
- 9- PRIMING & PAINTING SHALL BE DONE BY TRUSS MANUFACTURER
- 10- MIN EDGE DISTANCE FOR BOLTS HOLES SHALL BE 3/4" MIN
- 11- MAX TRUSS SPACING SHALL NOT EXCEED 12'-0"
- 12- THE DESIGNER DISCLAIMS ANY RESPONSIBILITY FOR DAMAGES AS A RESULT OF POOR WORKMANSHIP OR IMPROPER USE, AND ACCEPTS NO RESPONSIBILITY OR EXERCISES NO CONTROL WITH REGARD TO FABRICATION, HANDLING AND INSTALLATION OF TRUSSES.



CONNECTOR SCHEDULE

2" x 6" x 1/4" steel plate for 1/2" x 1-1/4" x 3/8" wood post to truss @ rafter 2, 1/2" dia thru bolt nut & washers. Post to concrete 2 1/4" dia x 48" deep w/ 2 #5 bars thru post.



TRUSS DETAILS

3-26-21
 Michael E Driscoll PE
 FL Reg # 43922

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