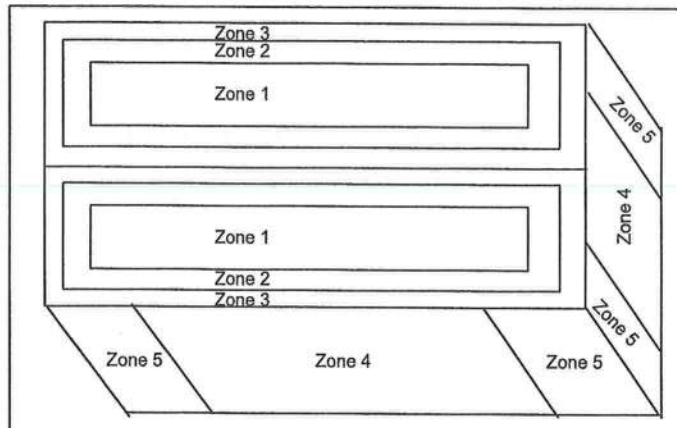
45445



Zone 1 +/- 19.47
Zone 2 +/- 29.96
Zone 3 +/- 41.63
Zone 4 +/- 24.65
Zone 5 +/- 28.42

WIND PRESSURE ON COMPONENTS AND CLADDING

PROFESSIONAL SERVICES BY
DRISCOLL ENGINEERING,INC.
PO BOX 357577.
GAINESVILLE, FL 32635
PH (352)-331-1513
CA 8690

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 the plans and specifications can be re-evaluated. The Design Professional should be given the opportunity to review final plans and specifications to see if the intent of the plans and specifications has been followed and/or if supplemental details and recommendations are needed. The Design Professional warrants that the plans and specifications contained herein, have been prepared in accordance with generally 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 any other construction phase services, and that such services will be provided by the Client. The Client assumes all responsibility for interpretation of the contractor Documents and for construction observation and supervision and waives any claims against the Design Professional that may be in any way connected thereto.

In addition, the Client agrees, to the fullest extent permitted by law, to indemnify and hold the Design Professional harmless from any loss, claim or cost, including reasonable attorney's fees and costs of defense, arising or resulting from the performance of such services by other person or entities and from any and all claims arising from modifications, clarifications, interpretations, adjustments or changes made to Contract Documents to reflect changed field or other conditions, except for claims arising from the sole negligence or willful misconduct to the Design Professional.

OWNERSHIP OF INSTRUMENTS OF SERVICE

All reports, plans, specifications, computer files, field data, notes and other documents and instruments prepared by the Design Professional as instruments of service shall remain the property of the Design Professional. The Design Professional shall retain all common law, statutory and other reserved rights, including the copyright thereto.

DEFECTS IN SERVICE

The Client shall promptly report to the Design Professional any defects or suspected defects in the Design Professional's work or services of which the Client becomes aware, so that the Design Professional may take measures to minimize the consequences of such a defect. The Client warrants that he or she will impose a similar notification requirement on all contractors in his or her Client/Contractor contract and shall require all subcontractors at any level to contain a like requirement. Failure by the Client, and the Client's contractors or subcontractors to notify the Design Professional, shall relieve the Design Professional of the costs of remedying the defects above the sum such remedy would have cost had prompt notification been given.

VERIFICATION OF EXISTING CONDITIONS

Inasmuch as the remodeling and/or rehabilitation of an existing building requires that certain assumptions be made regarding existing conditions, and because some of these assumptions may not be verifiable without expending additional sums of money or destroying otherwise adequate or serviceable portions of the building, the Client agrees, to the fullest extent permitted by law, to indemnify and hold the Design Professional harmless from any claim, liability or cost (including reasonable attorney's fees and costs of defense) for injury or economic loss arising or allegedly arising out of the professional services provided under this Agreement, excepting only those damages, liabilities, or costs attributable to the sole negligence or willful misconduct of the Design Professional

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 II
INTERNAL PRESSURE COEFFICIENT Gcpi= +/- 0.18
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 2000 PSF
TRUSS BEARING LOAD EACH END 5200LB
TRUSS UPLIFT @ POST 3400LBS

1. Wood framing and fasteners to meet NDS-2018 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.(#) 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

1. Concrete work shall conform to "Building Code Requirements for Reinforced Concrete" (ACI-318) and "Specifications for Structural Concrete" (ACI-301), Latest Edition.
2. Concrete mix shall conform to the following specifications. All concrete mixes shall contain a 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 #

3. Concrete mix
4 All concrete shall be cured for a minimum of 28 days. If forms for vertical surfaces are removed prior to the end of the curing period, spray surfaces with liquid membrane curing compound.

5. Reinforcing steel shall conform to ASTM A615, Grade 40 (Fy=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.
6. Welded wire fabric (WWF) shall conform to ASTM A185. Lap sheets two mesh spaces and wire tie adjacent sheets together securely. Cut alternate reinforcement at control joints.
7. All slabs on grade shall have construction or control joints not to exceed 10' - 0" spacing, unless otherwise noted.
8. 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.

Columbia County Building Department
Plans Reviewed for Code Compliance
State of Florida

DRISCOLL ENGINEERING,INC.
CONSULTING ENGINEERS CA 8690
PO BOX 357577 PH (352) 331-1513
GAINESVILLE, FL 32635 PH (352) 335-3568

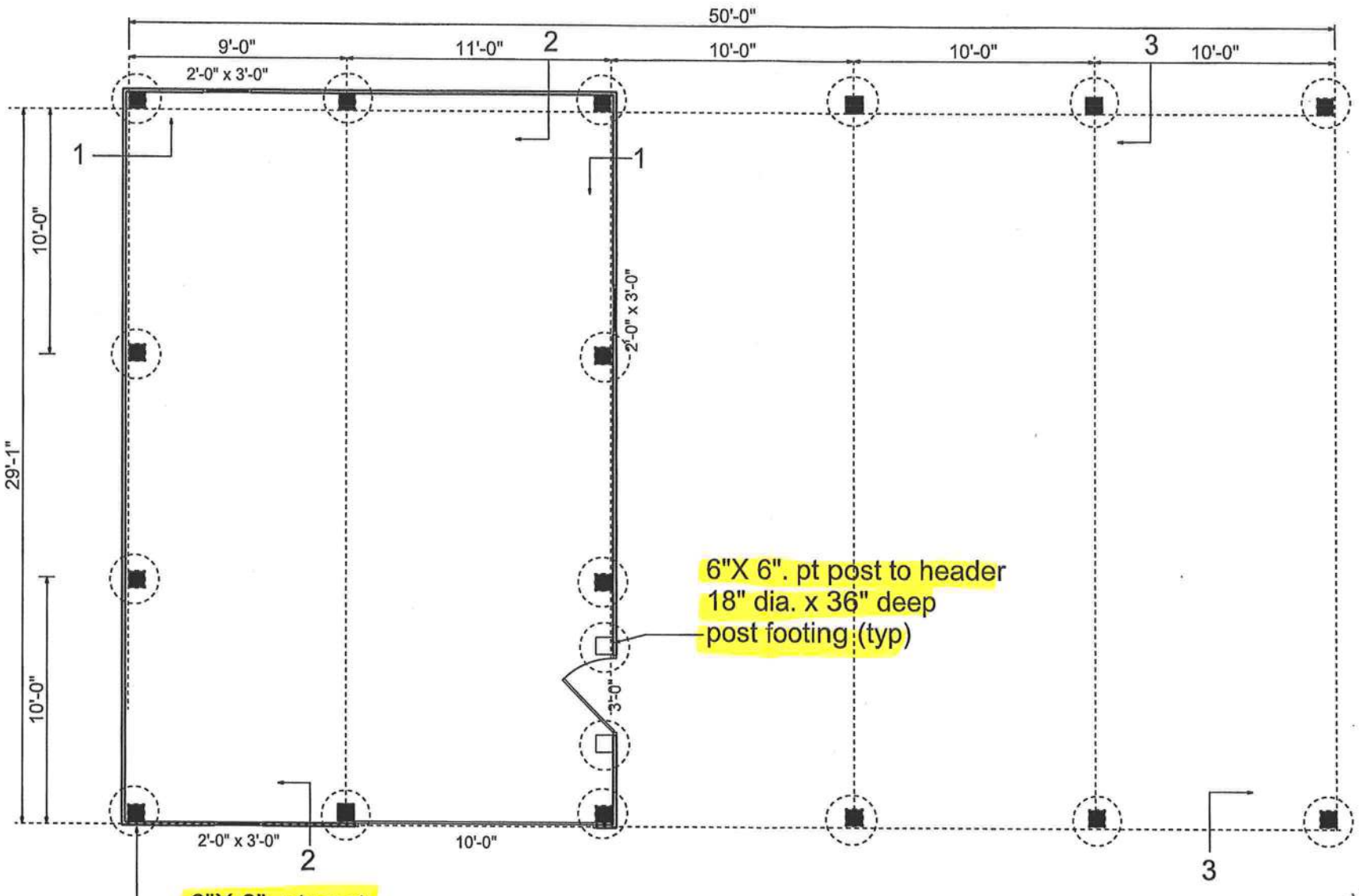
MICHAEL EDWARD DRISCOLL * LICENSE * No. 43922 * STATE OF FLORIDA * PROFESSIONAL ENGINEER
7-19-22

DRIGGERS
161 SW RIVER OAK COURT
FT WHITE, FL. DB22-425- boa

30' x 50' PARTIALLY ENCLOSED POLE STRUCTURE

7-15-22
Michael E Driscoll PE
FL Reg # 43922

1



POST FOOTING PLAN VIEW

3/16" = 1'-0"

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7-19-22

7-15-22
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SHEET: 2

DRIGGERS
161 SW RIVER OAK COURT
FT WHITE, FL. DB22-425- boa

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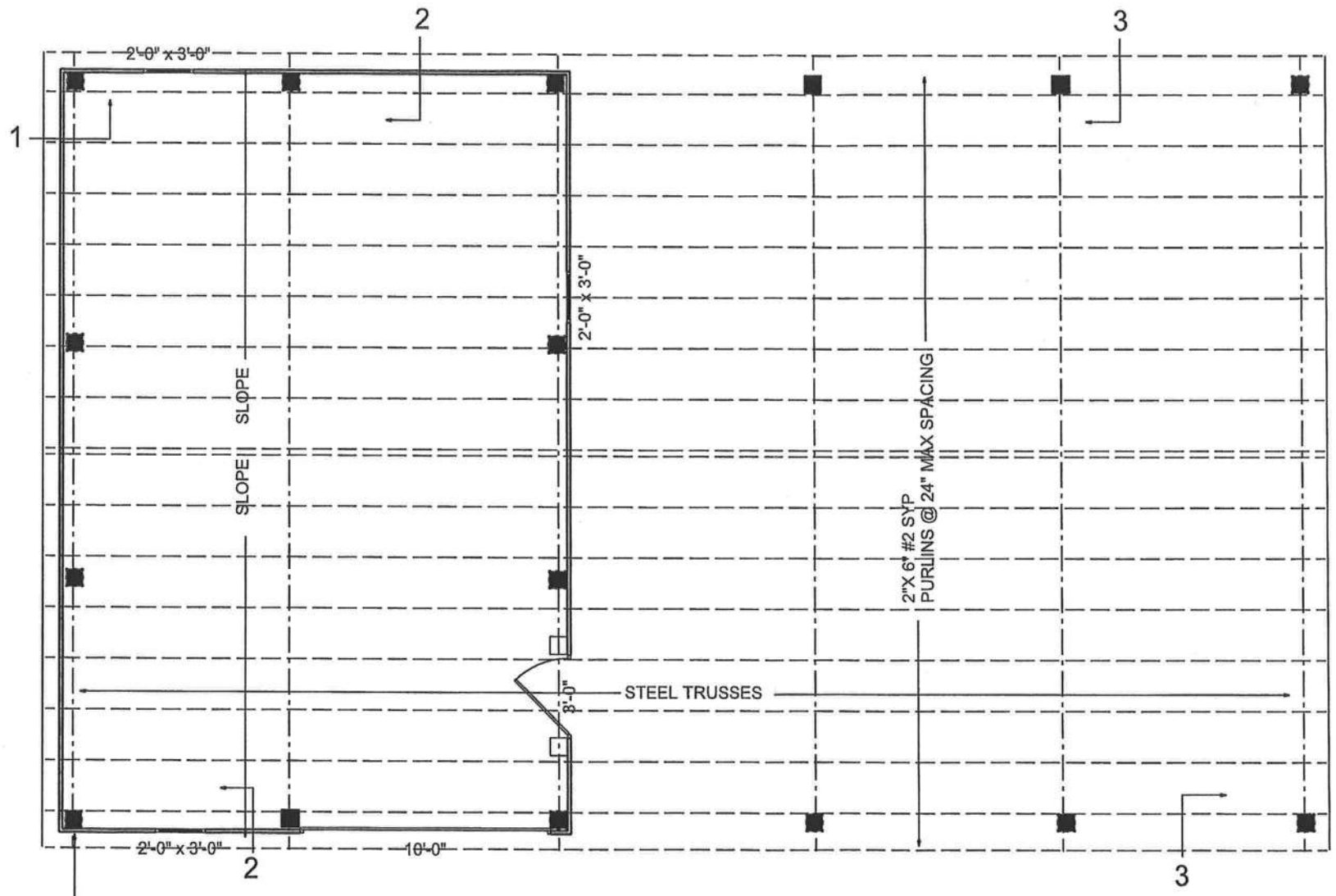

ROOF PLAN VIEW

MICHAEL EDWARD DRISCOLL
LICENSE
NO. 43922
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

7-15-22

7-15-22
Michael E Driscoll PE
FL Reg # 43922

SHEET: 3

DRIGGERS
161 SW RIVER OAK COURT
FT WHITE, FL. DB22-425- boa

DRISCOLL ENGINEERING,INC.
CONSULTING ENGINEERS CA 8699
PO BOX 357977
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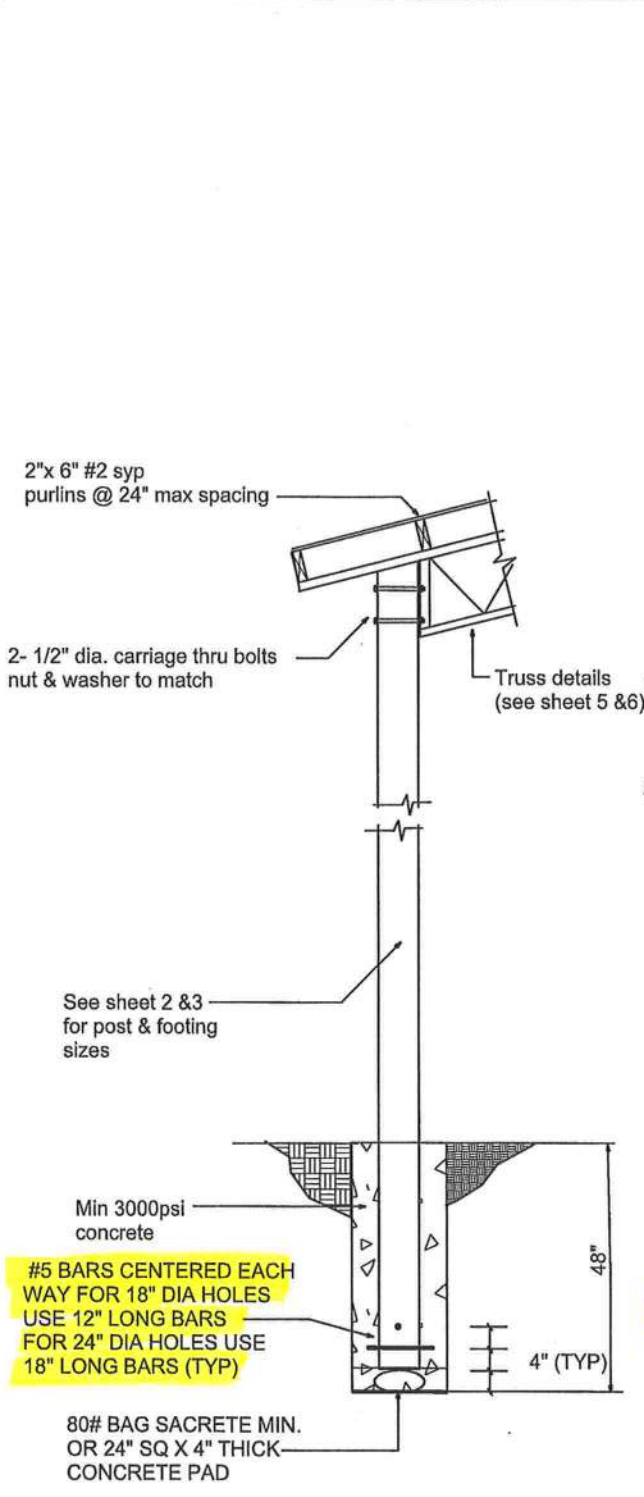
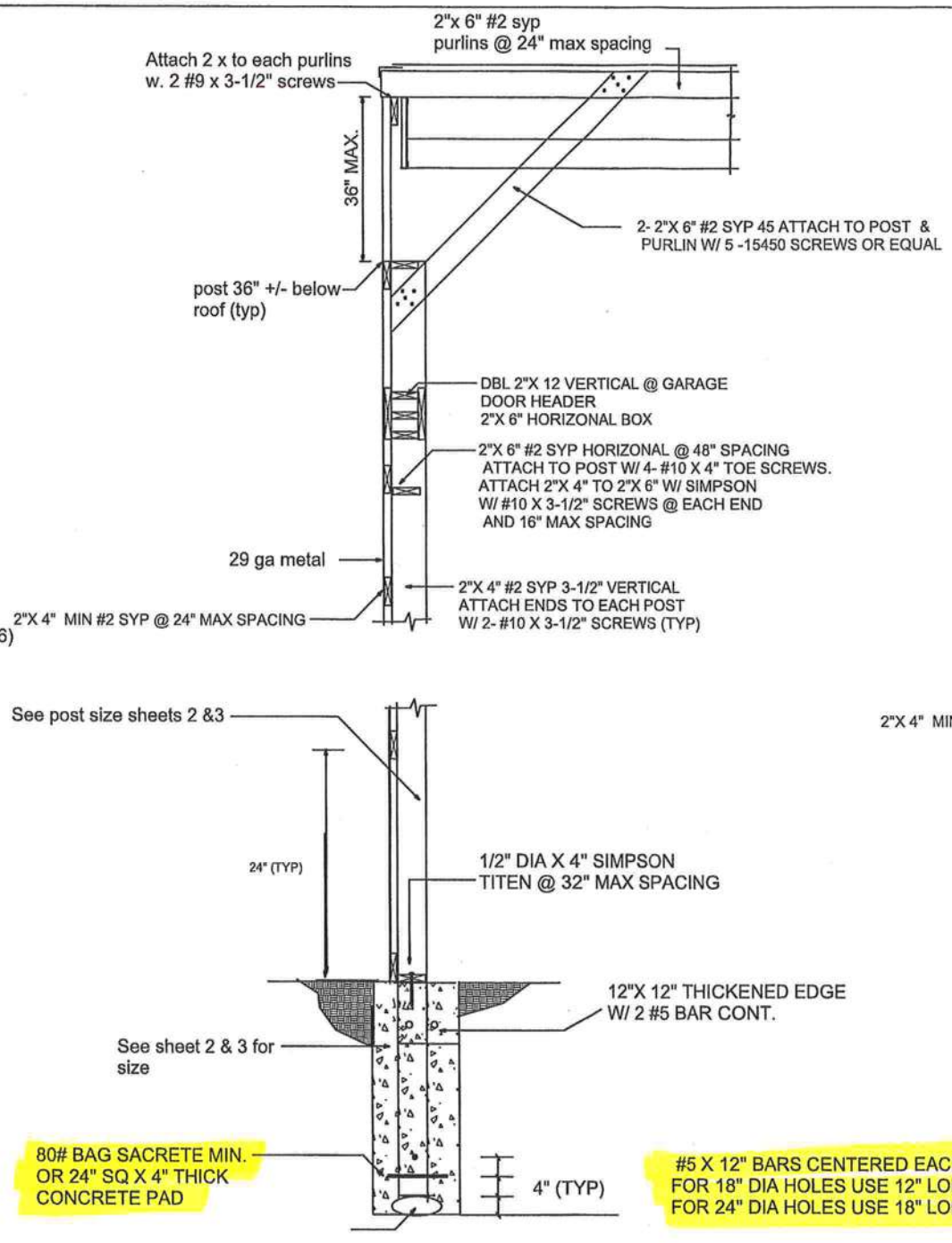


POST FOOTING TO TRUSS DETAIL
SECTION 3



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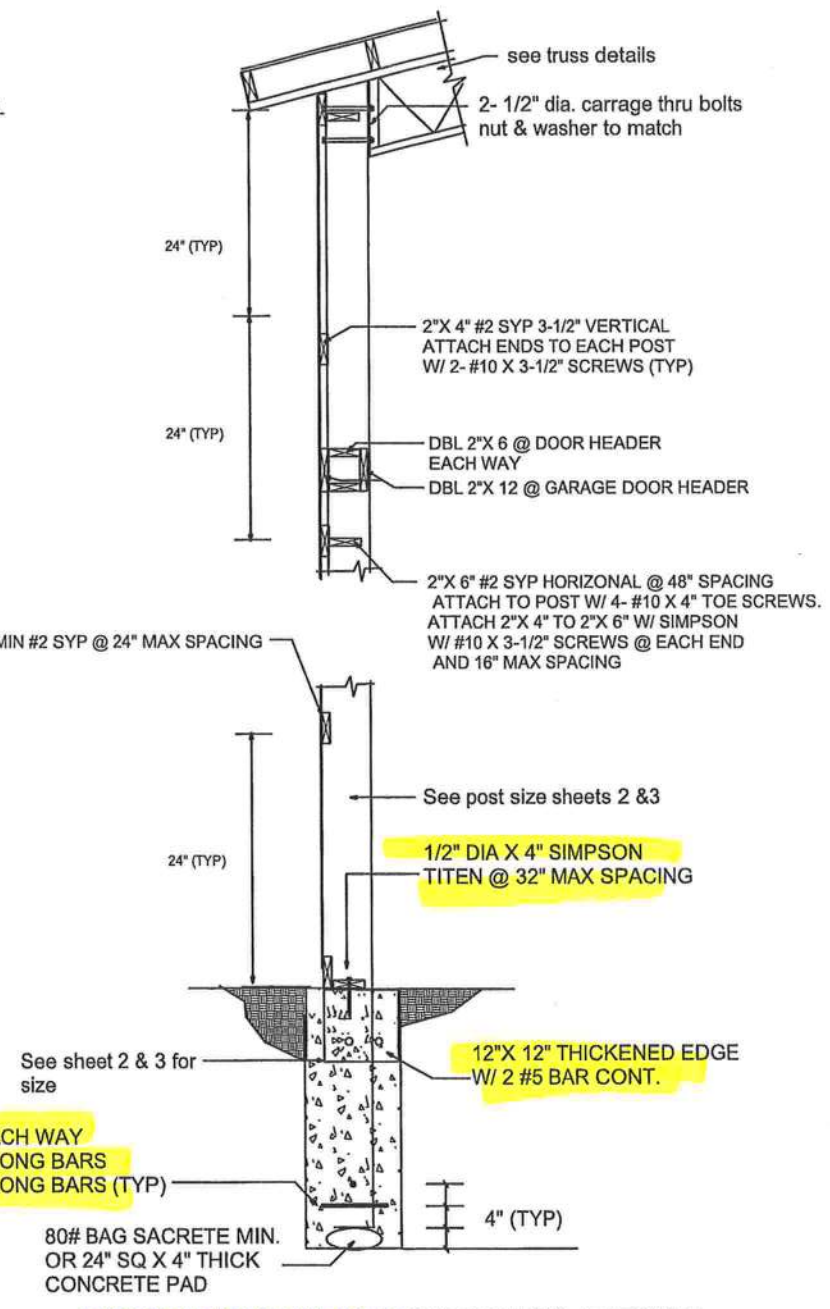
SECTION 1



POST FOOTING TO TRUSS DETAIL
SECTION 2

MICHAEL EDWARD DRISCOLL
LICENSE
No. 43922
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

7-18-22
Michael E Driscoll PE
FL Reg # 43922

SHEET: 4

DRIGGERS
161 SW RIVER OAK COURT
FT WHITE, FL. DB22-425- boa

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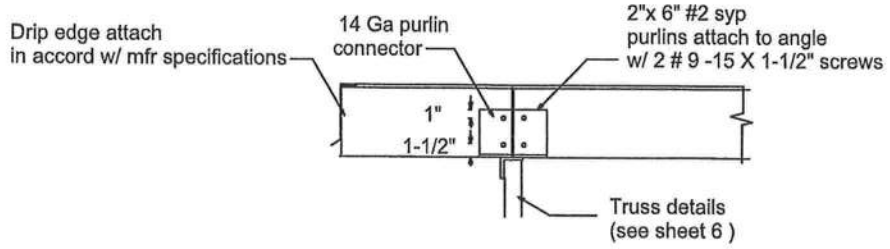
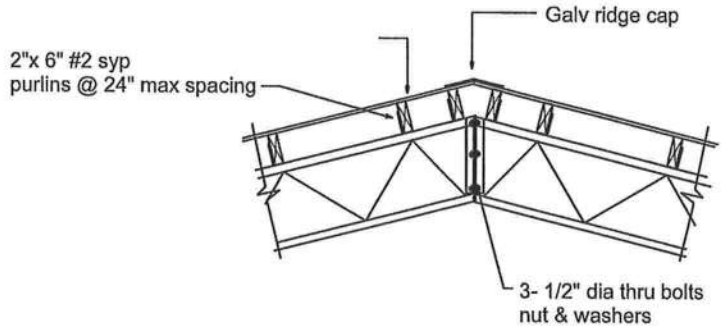
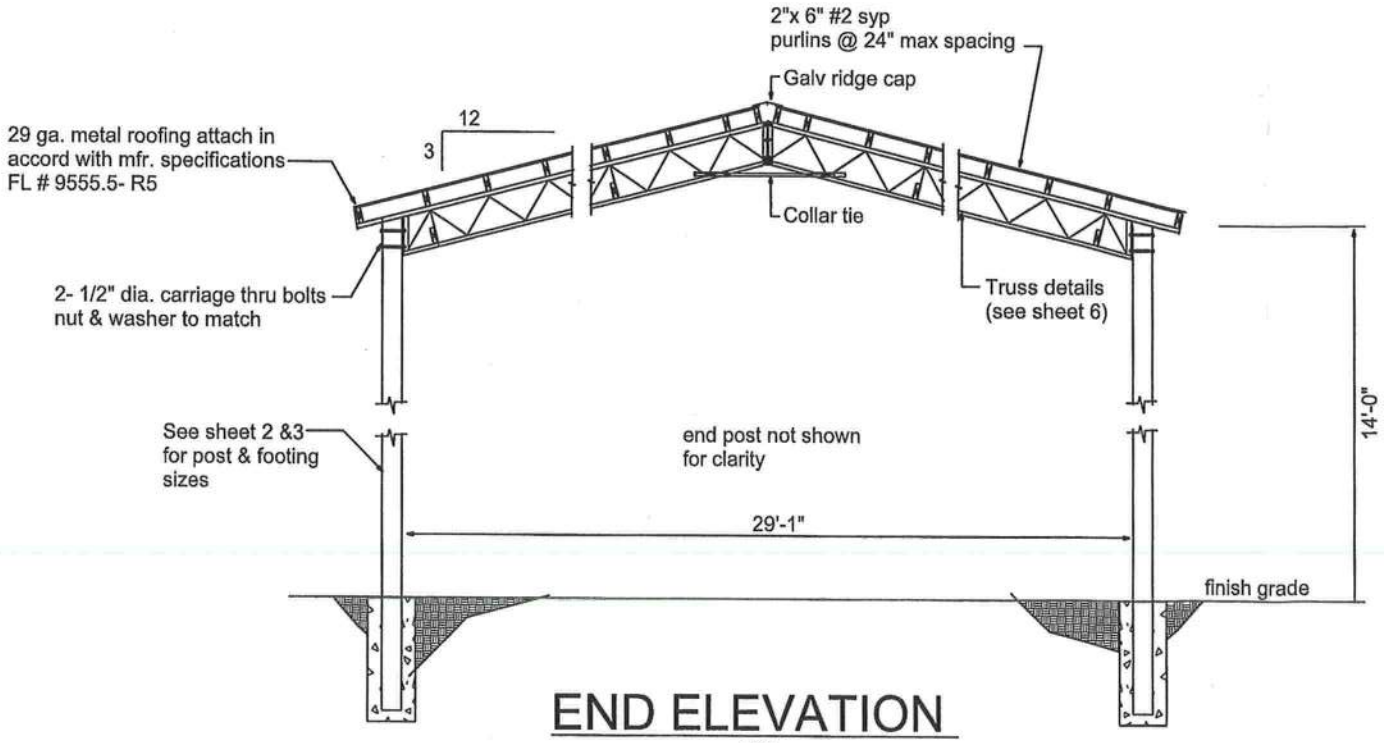


PURLIN CONNECTION DETAIL

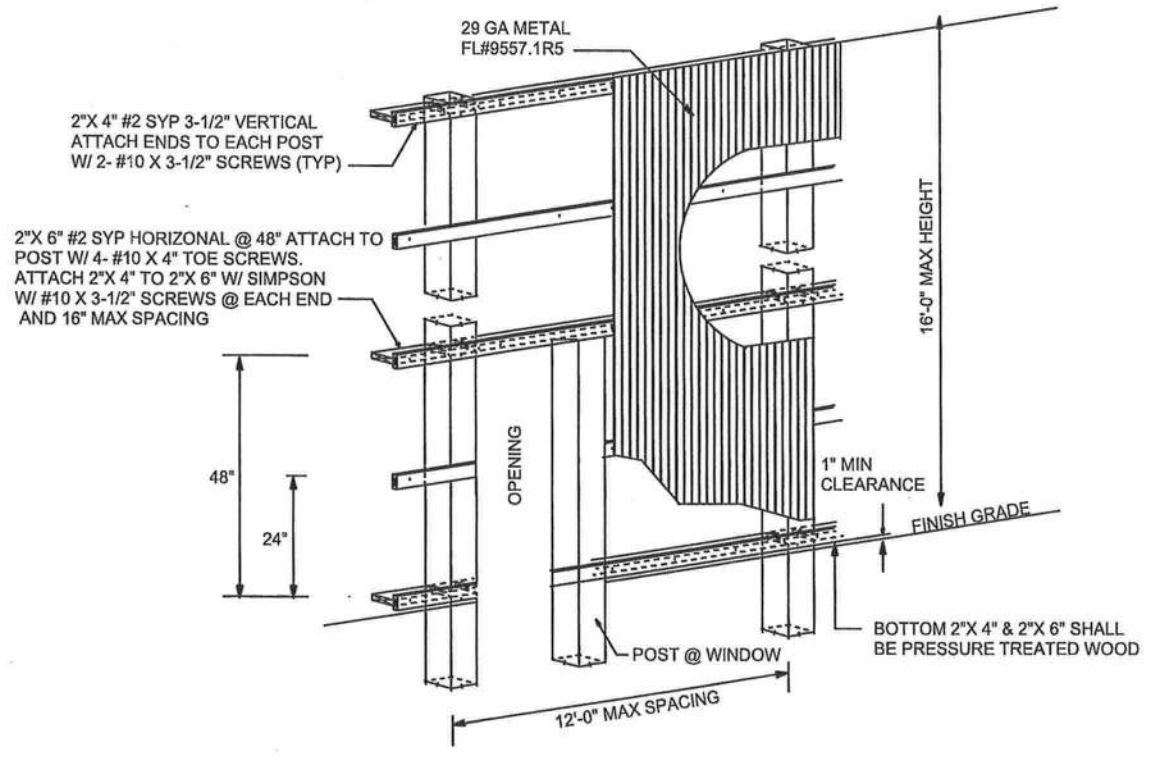


RIDGE CONNECTION DETAIL



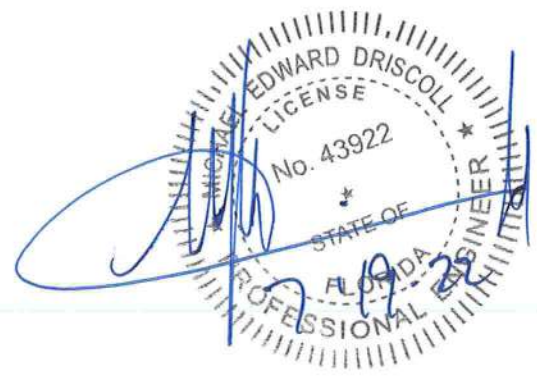
END ELEVATION

NTS



140 MPH SOLID WALL DESIGN

* USE COATED SCREWS FOR EXTERIOR USE



7-15-22
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FL Reg # 43922

SHEET: 5

DRIGGERS
161 SW RIVER OAK COURT
FT WHITE, FL. DB22-425- boa

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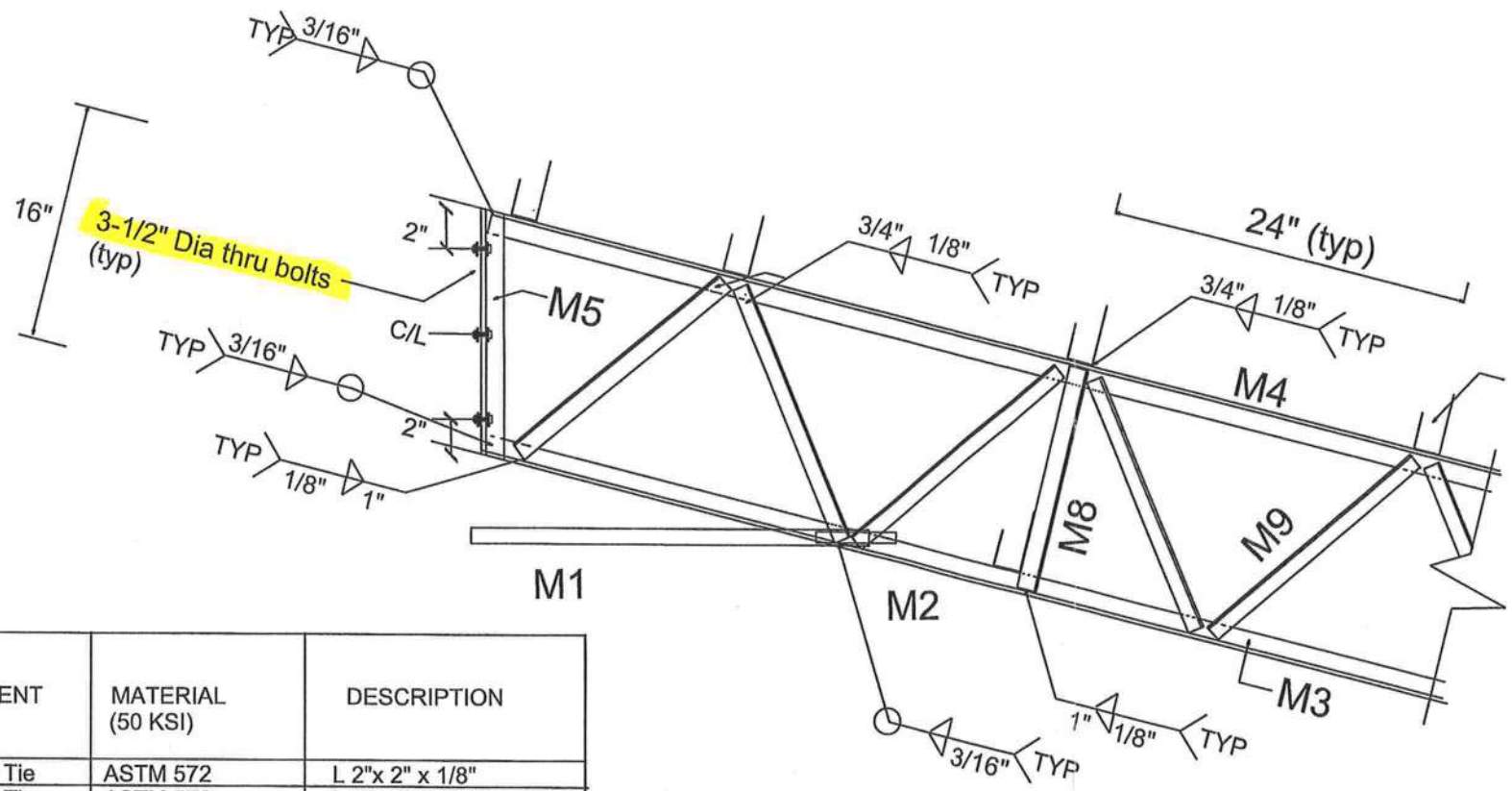
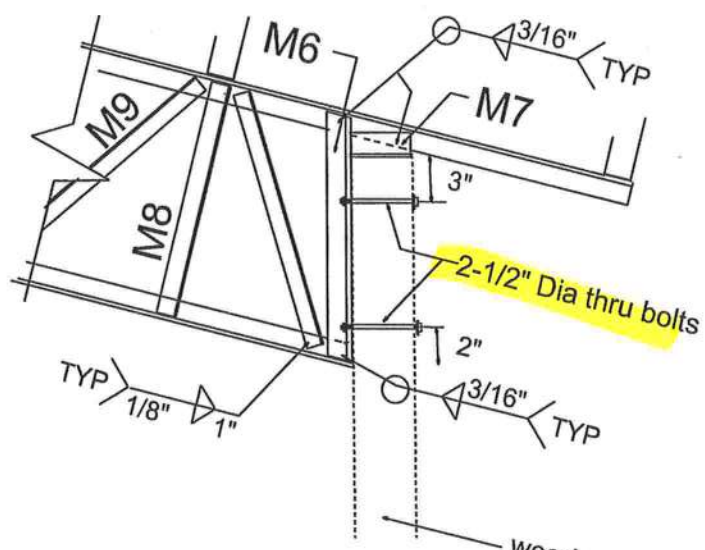
GAINESVILLE, FL. 32606





No.	ELEMENT	MATERIAL (50 KSI)	DESCRIPTION	
M1	Collar Tie	ASTM 572	L 2"x 2" x 1/8"	
M2	Collar Tie	ASTM 572	L 2"x 2" x 1/8"	
M3	Top Chord	ASTM 572	L 2"x 2" x 1/8"	
M4	Bottom Chord	ASTM 572	L 2"x 2" x 1/8"	
M5	Center vertical	ASTM 572	L 2" x 2" x 3/16"	
M6	End Vertical	ASTM 572	L 2"x 2" x 3/16"	truss span over 30' use L 3"x 2" x 3/8"
M7	Bearing angle	ASTM 572	L 2"x 2" x 3/16"	truss span over 30' use L 3"x 2" x 3/8"
M8	Inside vertical	ASTM 572	L1-1/2"x 1-1/2" x 3/16"	
M9	Diagonal web	ASTM 572	L1-1/2"x 1-1/2" x 3/16"	

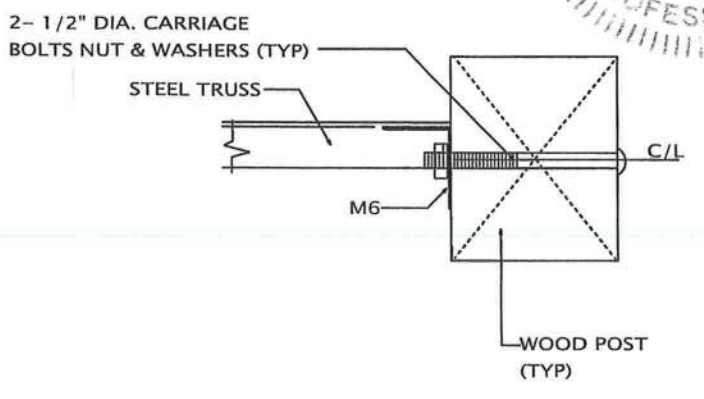
STEEL TRUSS CROSS SECTION

CONNECTOR SCHEDULE

2"x 6" #2 syp purlin to 6"x 6" x 14 ga. clip 2-#9 x 1-1/4" screws
Truss to truss @ ridge 3- 1/2" dia thru bolts & nut
Wood post to truss- 2 1/2" dia thru bolts nut & washers
Post to concrete 24" dia x 48" deep w/ 2 #5 bars thru post

NOTES:

1-MATERIALS SHALL CONFORM TO STEEL ASTM 572.
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 AWS 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 #2 DENSE 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" UNO.
12-THE DESIGNER DISCLAMS ANY RESPONSIBILITY FOR DAMAGES AS A RESULT OF POOR WORKMANSHIP, OR IMPROPER USE, AND ACCEPTS NO RESPONSIBILTY OR EXERCISES NO CONTROL WITH REGUARD TO FABRICATION, HANDLING,AND INSTALLATION OF TRUSSES.



TRUSS TO POST DETAIL
PLAN VIEW

MICHAEL EDWARD DRISCOLL LICENSE No. 43922 STATE OF FLORIDA PROFESSIONAL ENGINEER
7-22-22

TRUSS DETAILS

7-15-22
Michael E Driscoll PE
FL Reg # 43922

SHEET: 6

DRIGGERS
161 SW RIVER OAK COURT
FT WHITE, FL. DB22-425- boa

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