



Zone 3
Zone 2
Zone 1
Zone 1
Zone 2
Zone 3

WIND PRESSURE ON C

1-All construction shall comply with Florida Building Code 8th edition 2023.

ULTIMATE WIND SPEED: 130
NOMINAL WIND SPEED: 101
WIND EXPOSURE CATEGORY: B
RISK CATEGORY 1 NON HABITABLE
INTERNAL PRESSURE COEFFICIENT Gcpl= +/- 0.0
DESIGN PRESSURE PER FBC CHAPTER 16, INCLUDING ASCE 7-22 LOAD CALCULATIONS
ROOF LIVE LOAD = 12.5 PSF
ROOF DEAD LOAD = 2.5 PSF
MIN SOIL BEARING 2500 PSF
TRUSS BEARING LOAD EACH END 3600LB
TRUSS UPLIFT @ POST 2400LBS

REV: 3-15-24

Digitally signed by Michael E Driscoll PE Date: 2024.04.10 10:23:50 -0400

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 2306.2.2(1), 2306.3.3(1) and 2306.3.3(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

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 #

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3. Shotcrete 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.

PROFESSIONAL SERVICES BY
DRISCOLL ENGINEERING, INC.
PO BOX 35727
GAINESVILLE, FL 32635
PH 352.331-3113
CA 6690

PLANS AND SPECIFICATIONS

The plans and specifications shall be read in conjunction with the building code 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 that plans and specifications to see if they are still applicable. If not, the Design Professional shall be notified of the changes 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 practices. No other warranties are implied or expressed.

CORPORATE PROTECTION

It is understood and agreed that the Design Professional's Basic Services under this Agreement shall be limited to the design of the project and shall not include 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/or 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 attorneys' fees, incurred by the Design Professional as a result of any claim, suit, damages, judgments, settlements, 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 of the Design Professional.

OWNERSHIP OF INSTRUMENTS OF SERVICE

All reports, plans, specifications, computer files, field data, notes and other documents and instruments created by the Design Professional as instruments of service shall remain the property of the Design Professional. The Client agrees to execute all necessary common law, statutory and other reserved rights, including the copyright therein.

DEFECTS IN SERVICE

The Client shall promptly report and document 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 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 fair prompt notification been given.

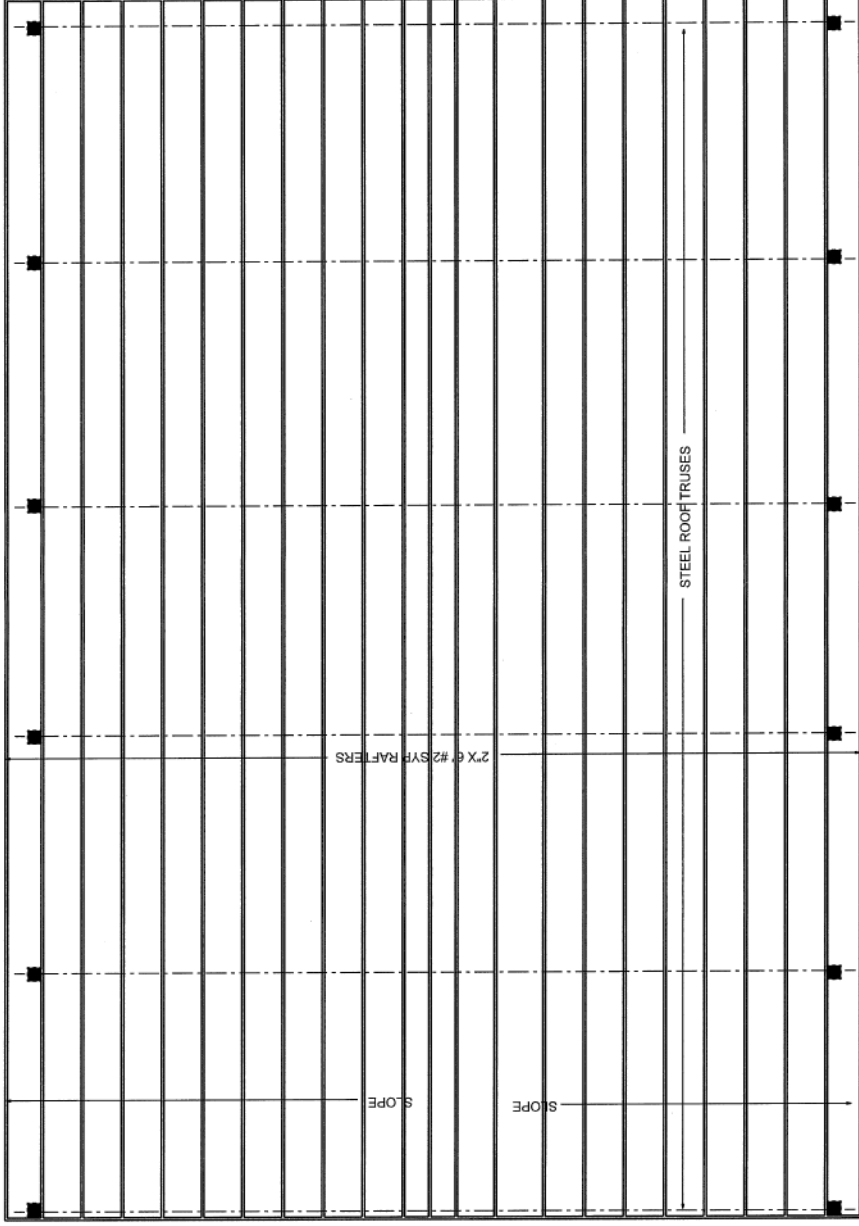
VERIFICATION OF EXISTING CONDITIONS

Inasmuch as the remodeling and/or rehabilitation of an existing building requires that existing conditions be verified, the Design Professional warrants that because of the assumptions made and the verifiability of existing conditions, the Design Professional is not responsible for the accuracy of the existing conditions. The Client agrees, to the fullest extent permitted by law, to indemnify and hold the Design Professional harmless from any claim, suit, damages, judgments, settlements, 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 of the Design Professional.

40' x 60' OPEN POLE STORAGE STRUCTURE

12-1-22 REV: 3-15-24
Michael E Driscoll PE
FL Reg # 43922

JON ROBBINS
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12-1-22
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FL Reg # 43922

8"X 8" : pt post
24" dia. x 48" deep
post footing (typ)

3/16" = 1'-0"

ROOF PLAN VIEW

8"X 8" : pt post
24" dia. x 48" deep
post footing (typ)

STEEL ROOF TRUSSES

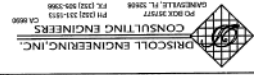
2"X 6" #2 SYP RAFTERS

SLOPE

SLOPE



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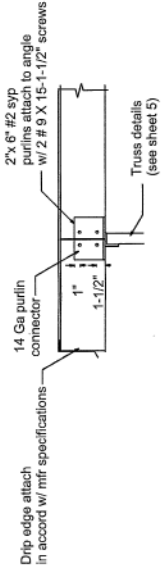
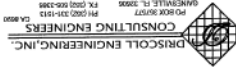
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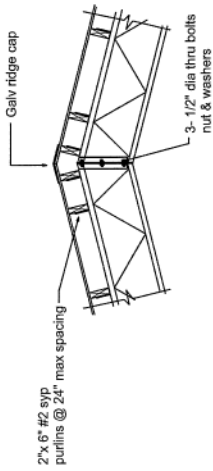


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Michael E. Driscoll PE
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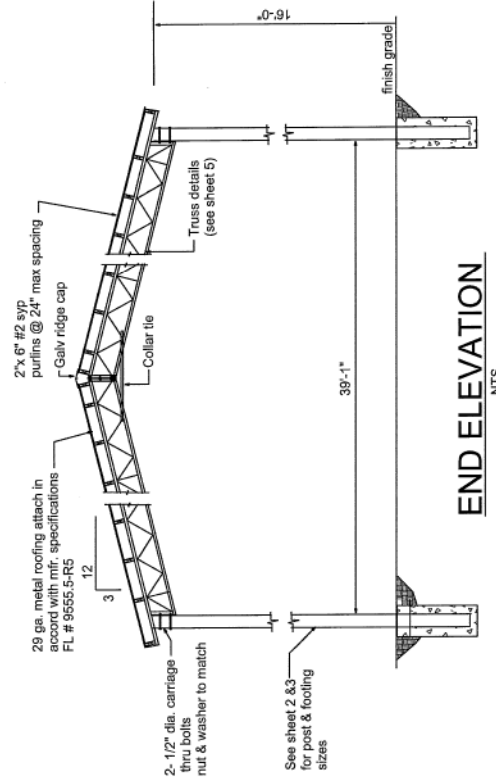
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PURLIN CONNECTION DETAIL

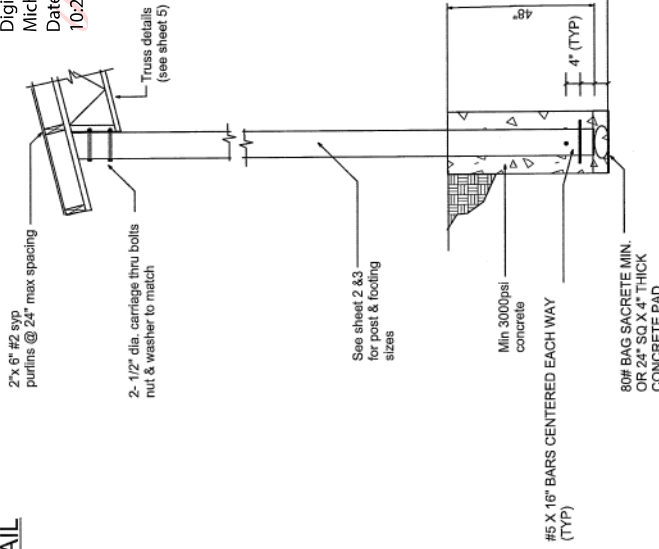


RIDGE CONNECTION DETAIL



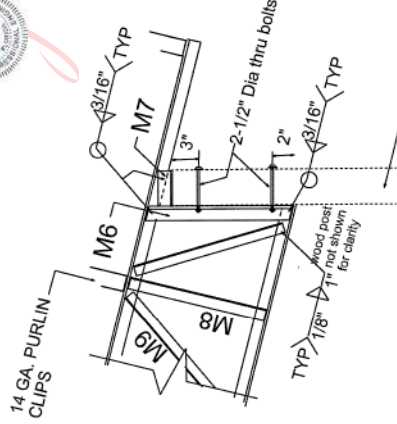
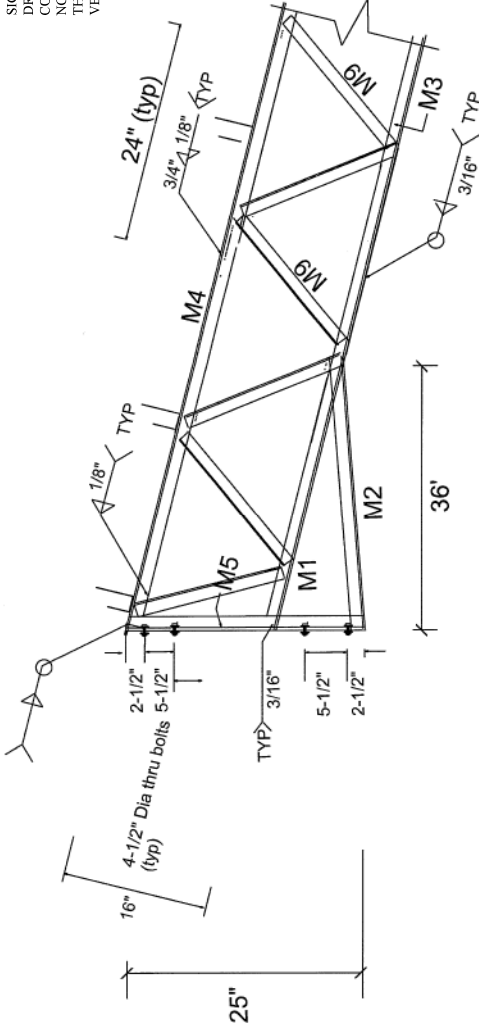
END ELEVATION NTS

POST FOOTING TO TRUSS DETAIL



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CONNECTOR SCHEDULE
2" 6" #2 esp pull in to 6" x 6" x 14 ga clip 2-48 x 1-1/4" screws
Truss to base @ ridge 3-1/2" dia thru bolts & nut
Truss to base @ eave 3-1/2" dia thru bolts & washers
Post to concrete see sheet 1

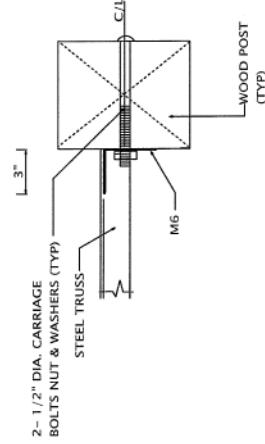
No.	ELEMENT	MATERIAL (50 KSI)	DESCRIPTION
M1	Collar Tie	ASTM 572	L 2" x 2" x 3/16"
M2	Collar Tie	ASTM 572	L 2" x 2" x 3/16"
M3	Top Chord	ASTM 572	L 2" x 2" x 3/16"
M4	Bottom Chord	ASTM 572	L 2" x 2" x 3/16"
M5	Center vertical	ASTM 572	L 2" x 2" x 3/16"
M6	End Vertical	ASTM 572	L 2" x 2" x 3/16"
M7	Bracing angle	ASTM 572	L 1-1/2" x 1-1/2" x 3/16"
M8	Bracing angle	ASTM 572	L 1-1/2" x 1-1/2" x 3/16"
M9	Diagonal web	ASTM 572	L 1-1/2" x 1-1/2" x 3/16"

TRUSS SPAN 29' - USE L 3" x 2" x 3/8"
TRUSS SPAN 29' - USE L 3" x 2" x 3/8"

STEEL TRUSS CROSS SECTION

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 POSTS SHALL BE #2 DENSE PRESSURE TREATED GROUND CONTACT.
- 9-PRIMING & PAINTING SHALL BE DONE BY TRUSS MANUFACTURER.
- 10- MIN EDGE DISTANCE FOR BOLT HOLES SHALL BE 3/4" MIN
- 11-MAX TRUSS SPACING SHALL NOT EXCEED 12'-0" UNO.
- 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.



TRUSS TO POST DETAIL
PLAN VIEW

TRUSS DETAILS 21' TO 40' MAX LENGTH

12-1-22
MICHAEL E. DRISCOLL P.E.
FL 43922

SHEET: 5

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