

Zone 3	Zone 1 +/- 19.47 Zone 2 +/- 29.96 Zone 3 +/- 41.63
Zone 2	
Zone 1	
Zone 2	
Zone 3	
Zone 4	

WIND PRESSURE ON COMPONENTS AND CLADDING

PURLIN SIZE #2 SYP	
2" X 6"	2" X 8"

BUILDING DIMENSIONS D-1			
BARN WIDTH (FT)	INSIDE POST DIMENSION	OUTSIDE 6" X 6" POST DIMENSION	OUTSIDE 8" X 8" POST DIMENSION
40	39'-1"	40	40' 4"
36	35'-1"	36	36'-4"
30	29'-1"	30	30'-4"
24	23'-1"	24	24'-4"
20	19'-1"	20	20'-4"

BARN LENGTH (FT)	D-2	INSIDE DIMENSION FOR ROUND POST SEE D-1
	84'	
	72'	
	60'	
	50'	
	48'	
	40'	
	36'	
	30'	
	24'	

POST SIZE		
6" X 6"	8" X 8"	10" X 10"
ROUND MIN. DIA.		

ROOF PITCH			
3/12	4/12	5/12	6/12

POST HEIGHT SIZE CIRCLED OR LESS (D-3)		OTHER	
10'	12'	14'	16'

ULTIMATE & NOMINAL WIND SPEEDS	
ULTIMATE	NOMINAL SUSTAINED
120	93
130	101
140	108
150	116

WIND EXPOSURE CATEGORY		
B	C	D

CONCRETE INFORMATION	
CONCRETE SLAB	
NO CONCRETE SLAB	
4" THICK 3000 PSI CONCRETE SLAB W/ 6X6- 8/6 WWF OR FIBERMESH CONCRETE DESIGN LIVE LOAD 40 PSF	
6" THICK 3000 PSI CONCRETE SLAB W/ 6X6 4/4 WWF CONCRETE DESIGN LIVE LOAD 200 PSF	
8" THICK 3000 PSI CONCRETE SLAB W/ 2 MATS OF BARS TOP & BOTTOM EACH #4 BARS @ 12" C/C EACH WAY CONCRETE DESIGN LIVE LOAD 400 PSF	
THICKENED EDGE SLAB	
NO THICKENED EDGE SLAB	
12" W X 12" D W/ 2 #5 BAR CONT	
12" W X 20" D W/ 2 #5 BAR CONT	
RIBBON FOOTING	
NO RIBBON FOOTING	
12" W X 12" D W/ 2 #5 BAR CONT	
12" W X 20" D W/ 2 #5 BAR CONT	

POST FOOTING SIZE	
F-1	24" DIA X 48" DEEP
ALL POST REQUIRE CONCRETE FOOTINGS	

All the plans in this building plan set are protected under the Federal Copyright Act, Title XVII of the U.S. Code and Chapter 37 of the Code of Federal Regulations. You are not permitted to copy, broadcast, download, store (in any medium), transmit, show or play in public, adapt or change in any way the content of these engineering web pages for any purpose whatsoever without the prior written permission of Driscoll Engineering, Inc. authorized staff. The owner of the copyright retains title and ownership of the original documents. The plan set licensed to you cannot be used by or resold to any other individual. Reproduction of these plans, either in whole or in part, including any form of copying and/or preparation of derivative works thereof, for any reason without prior written permission, is strictly prohibited.

All the plans in this building plan set are protected under the Federal Copyright Act, Title XVII of the U.S. Code and Chapter 37 of the Code of Federal Regulations. The owner of the copyright retains title and ownership of the original documents. The plan set licensed to you cannot be used by or resold to any other individual.

Reproduction of these plans, either in whole or in part, including any form of copying and/or preparation of derivative works thereof, for any reason without prior written permission, is strictly prohibited. The purchase of a set of building plans in no way transfers any copyright or other ownership interest in it to the buyer. The purchase of additional sets of that plan set at a reduced price from the original set or as part of a multiple set package does not convey to the buyer a license to construct more than one structure as shown. Similarly, the purchase of reproducible sets carries the same copyright protection. To use any plans more than once and to avoid any copyright license infringement, it is necessary to contact the plan's designer to request a release and license for any additional use. Whereas a purchaser of PDFs, CAD and Reproducibles is granted a license to make copies, it should be noted that as copyrighted material, making photocopies from the plan set is illegal.

Copyright licensing of plans for construction exists to protect all parties. It respects and supports the intellectual property of the original architect or designer. Copyright law has been reinforced over the past few years. Willful infringement could cause settlements for statutory damages up to \$150,000 plus attorney fees, damages, and loss of profits.

POST SPACING D-4 (FT)			
8	10	12	15

METAL ROOF	
26 GA	29 GA
FL 42382.00-R0	

OPEN POLE STORAGE STRUCTURE

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

ULTIMATE WIND SPEED SEE TABLE THIS SHEET
NOMINAL WIND SPEED SEE TABLE THIS SHEET
WIND EXPOSURE CATEGORY SEE TABLE THIS SHEET
RISK CATEGORY 1 2 3
INTERNAL PRESSURE COEFFICIENT Gcpl= +/- 0.0
DESIGN PRESSURE PER FBC CHAPTER 16, INCLUDING ASCE 7-22 LOAD CALCULATIONS
ROOF LIVE LOAD = 12.5 PSF 20 PSF
ROOF DEAD LOAD = 2.5 PSF 7.5 PSF
MIN SOIL BEARING 2000 PSF
MAX TRUSS BEARING LOAD EACH END 3240LB
MAX TRUSS UPLIFT @ POST 1400LBS
TERMITE TREATMENT SHALL BE APPLIED IN ACCORD WITH THE FLORIDA BUILDING CODE & LOCAL CODES
Wood framing and fasteners to meet NDS-2018 requirements

Fastener requirements (1) all nails are common galvanized; (2) all bolts are to be galvanized steel and include nuts and washers, (3) all other hardware (Simpson or equal) is to be installed according to manufacturer's specifications and recommendations, (4) nailing (size and number) shall satisfy Tables 2306.2 (1), 2306.3 (1), and 2306.3 (#) FBC unless otherwise indicated, (5) Fasteners exposed to the weather are to be treated for weather resistance and compatible with the type of pressure treated wood use (connectors, nails, bolts, nuts, & washers)

- Wood Pole Concrete Footings
 - Minimum Ultimate Compressive Strength @ 28 days = 3,000 PSI
 - Bag concrete mix allowed for wood pole footings when mixed in accord with manufactures requirements for a minimum ultimate compressive strength of 3,000 PSI
- Building Concrete Wall Footings & Slabs
 - Concrete work shall conform to "Building Code Requirements for Reinforced Concrete" (ACI-318) and "Specifications for Structural Concrete" (ACI-301), Latest Edition
 - Minimum Ultimate Compressive Strength @ 28 days = 3,000 PSI
 - 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
- Reinforcing Steel
 - 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 the 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 A185 Lap sheets two mesh spaces and wire tie adjacent sheets together securely Cut alternate reinforcement at control joints.

The Structural Design Work In This Set of Engineering Plans Is Subject to But Not Limited to The Following Exclusions.

- Architectural Design Services
- Civil Engineering and Site Plan Design Services
- Electrical and Lighting Design Services
- HVAC Design Services
- Plumbing Design Services
- Geotechnical Engineering Services
- Life Safety Plan Design Services
- Flood Resistant Design Per Asce24-14
- Any and All Local Code Requirements and Comments Made by The Authority Having Jurisdiction with The Regard To The Plans And Specifications

These Exclusions Are All the Owner's Responsibility

OWNER /CONTRACTOR SHALL VERIFY ALL DIMENSIONS OF THIS STRUCTURE BEFORE BEGINNING CONSTRUCTION

SHEET

1 OF 4

JEFF BROWN

947 SE CR 18

LAKE CITY, FL DB26-634

36' X 36' X 12-130- 7-14-26

DRISCOLL ENGINEERING, INC.

CONSULTING ENGINEERS

PO BOX 357577

CA 8690

PH (352) 331-1513

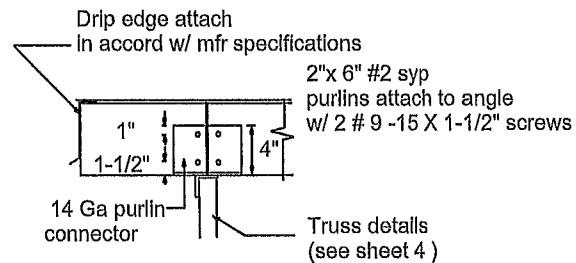
FX (352) 505-3366

GAINESVILLE, FL 32606

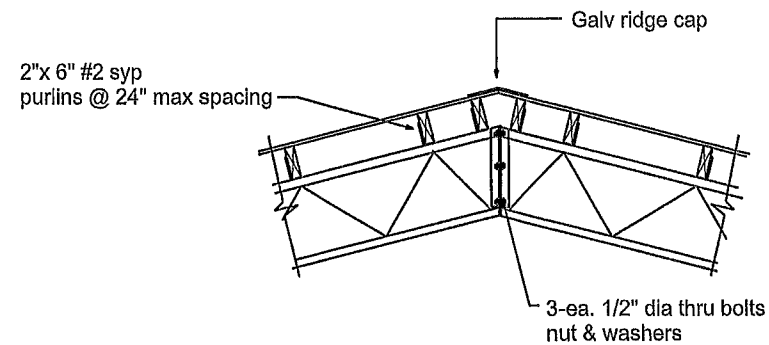
Michael E Driscoll PE

FL Reg # 43922

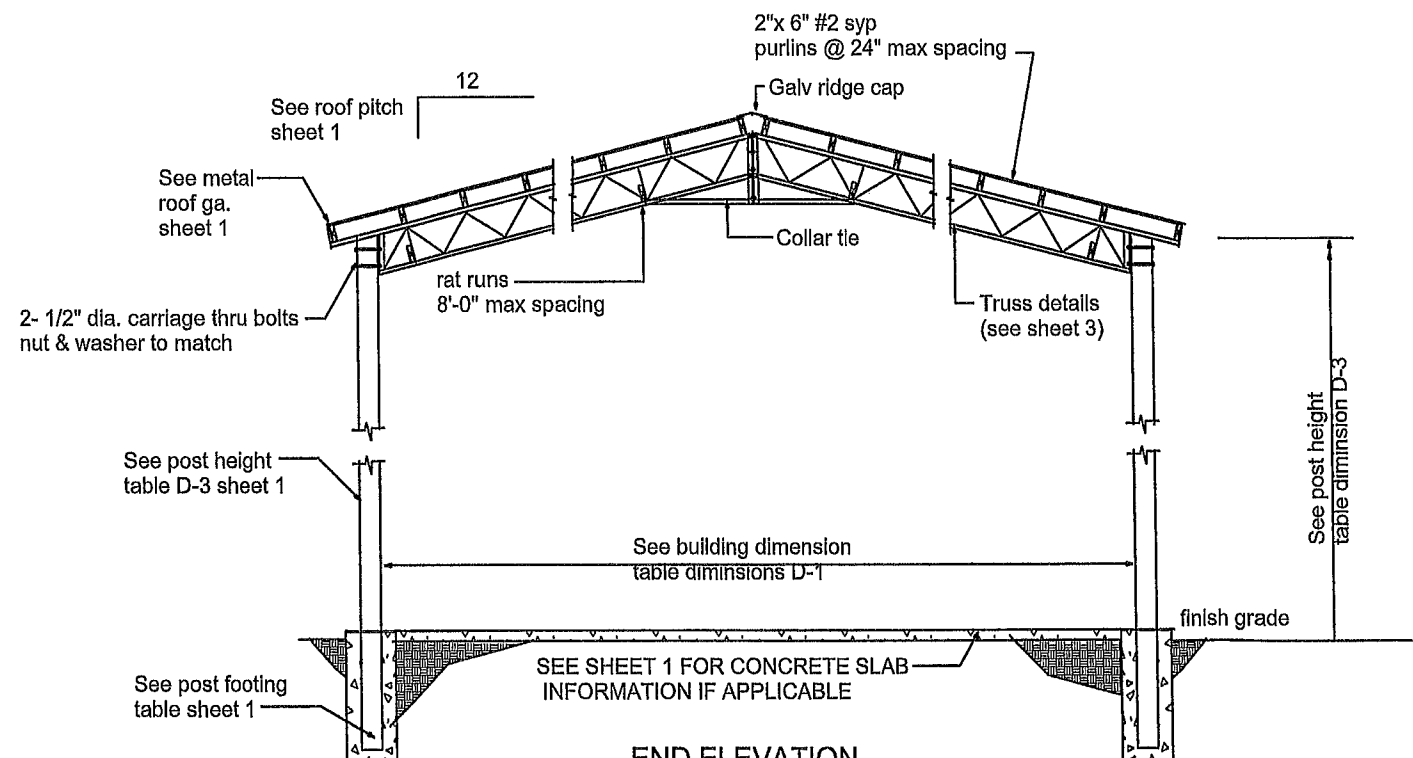
77311



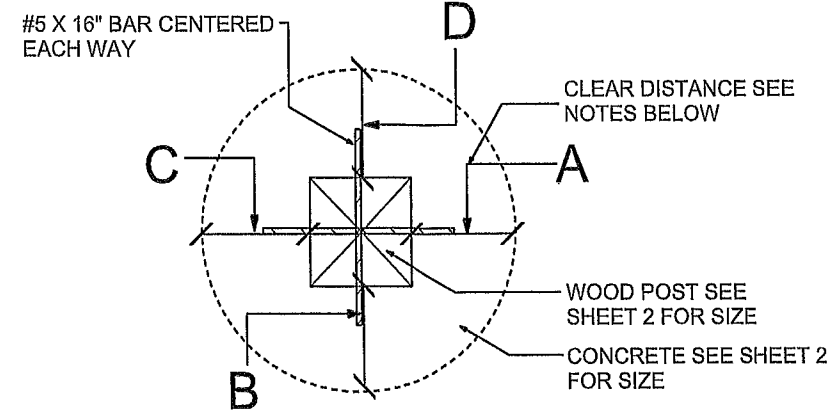
PURLIN CONNECTION DETAIL



RIDGE CONNECTION DETAIL



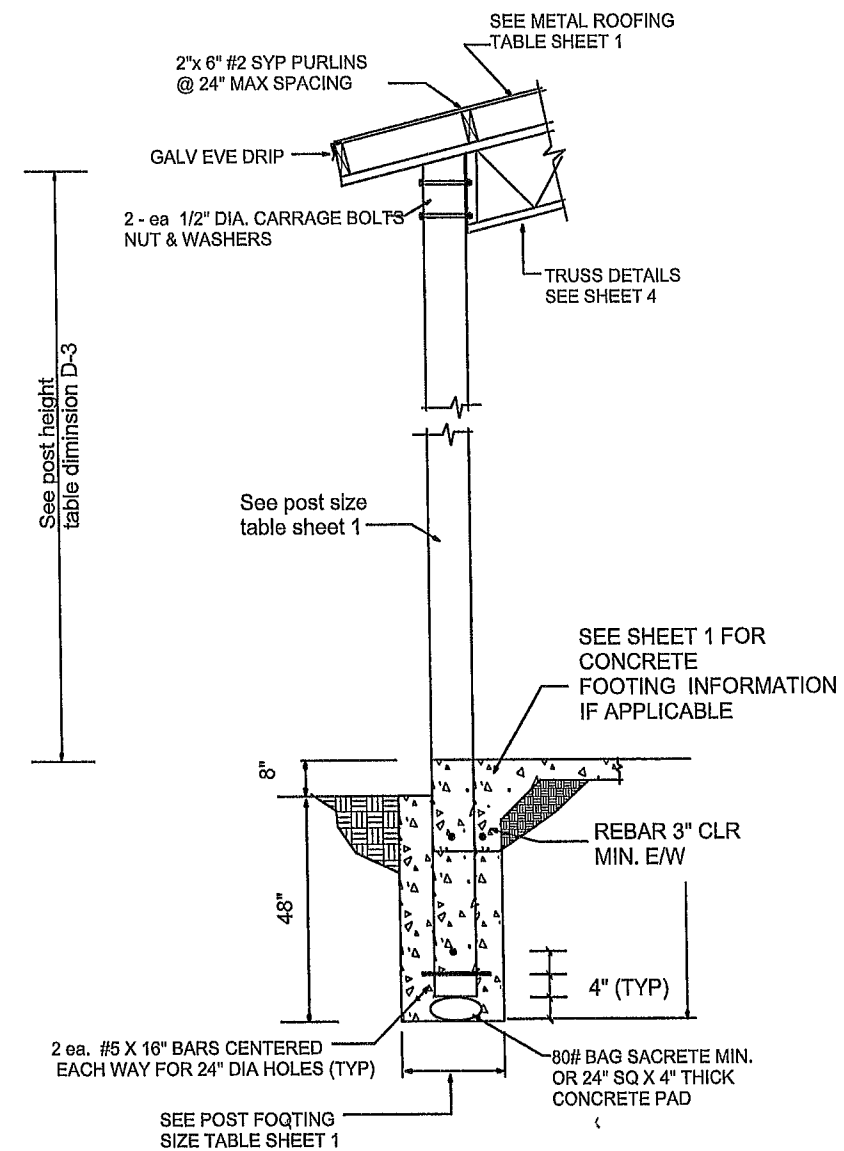
END ELEVATION
NTS



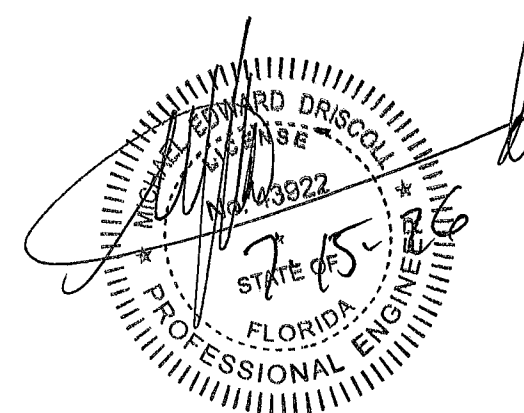
NOTES:

6"X 6" POST MIN CLEAR DISTANCE	A THRU D = 8"
8"X 8" POST MIN CLEAR DISTANCE	A THRU D = 7"
10"X 10" POST MIN CLEAR DISTANCE	A THRU D = 9"

POST TO CONCRETE
PLAN VIEW



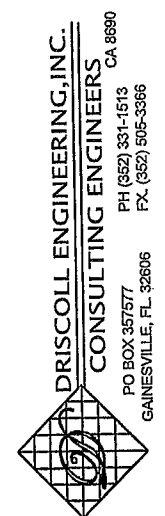
POST FOOTING TO TRUSS DETAIL 1



SHEET

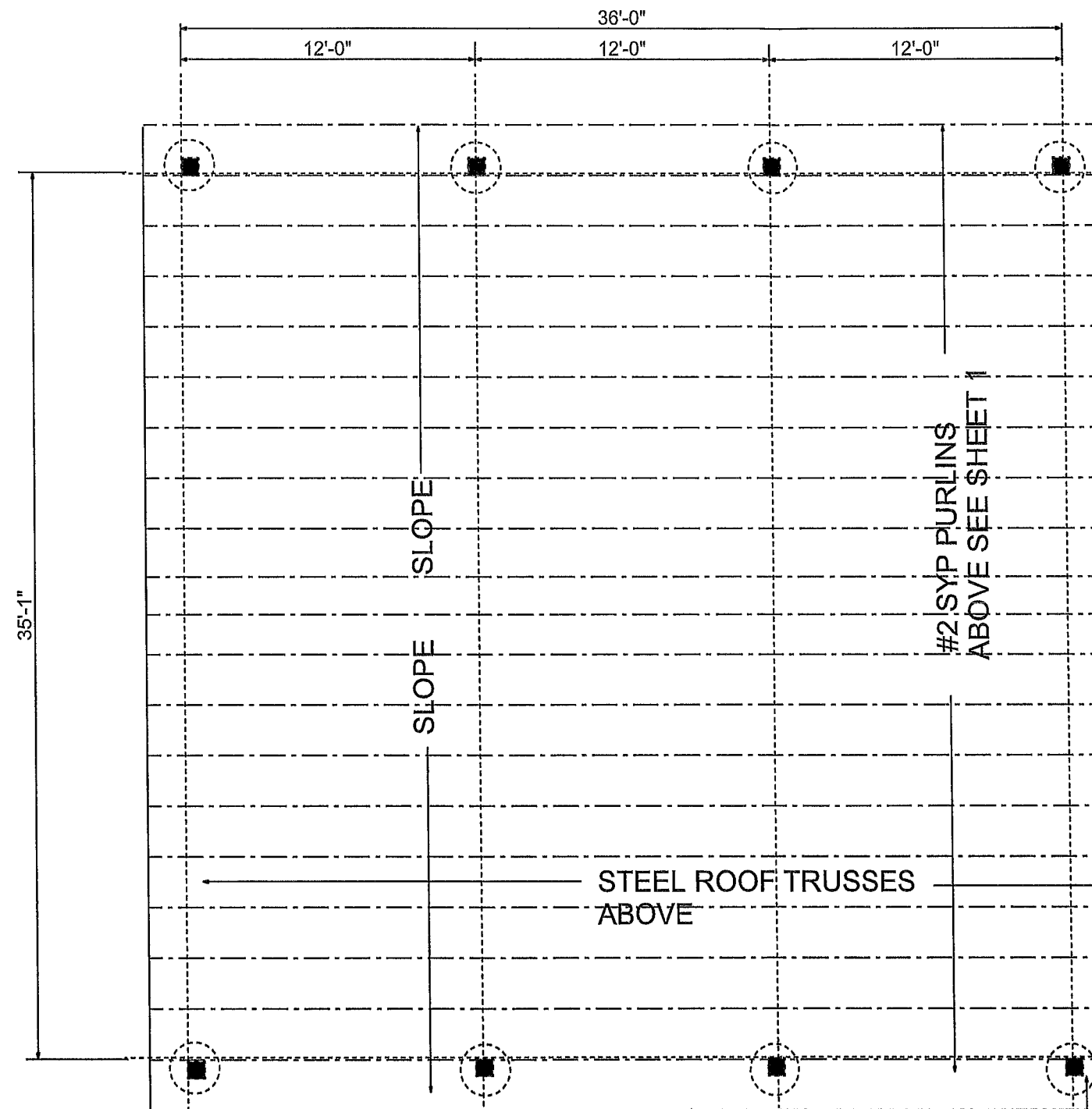
2 OF 4

JEFF BROWN
947 SE CR 18
LAKE CITY, FL DB26-634
36' X 36' X 12-130- 7-14-26



DRISCOLL ENGINEERING, INC.
CONSULTING ENGINEERS
PO BOX 357577
GAINESVILLE, FL 32606
CA 8690
PH (352) 331-1513
FX (352) 505-3366

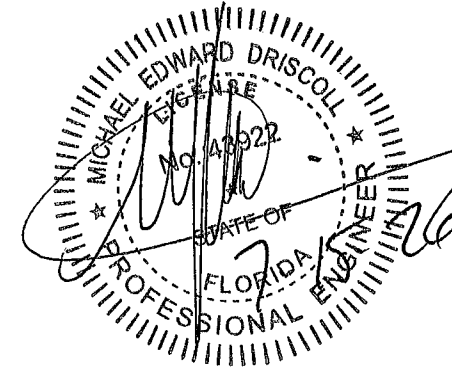
Michael E Driscoll PE
FL Reg # 43922



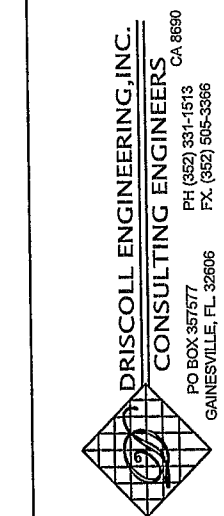
FOUNDATION & ROOF PLAN VIEW

3/16" = 1'-0"

6"X 6" PT POST
24" DIA X 48" DEEP
POST FOOTING (TYP)



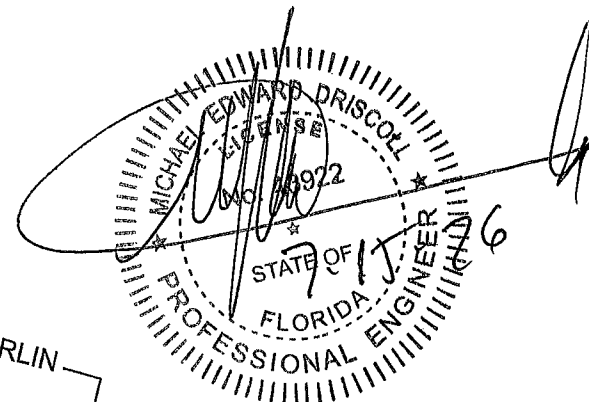
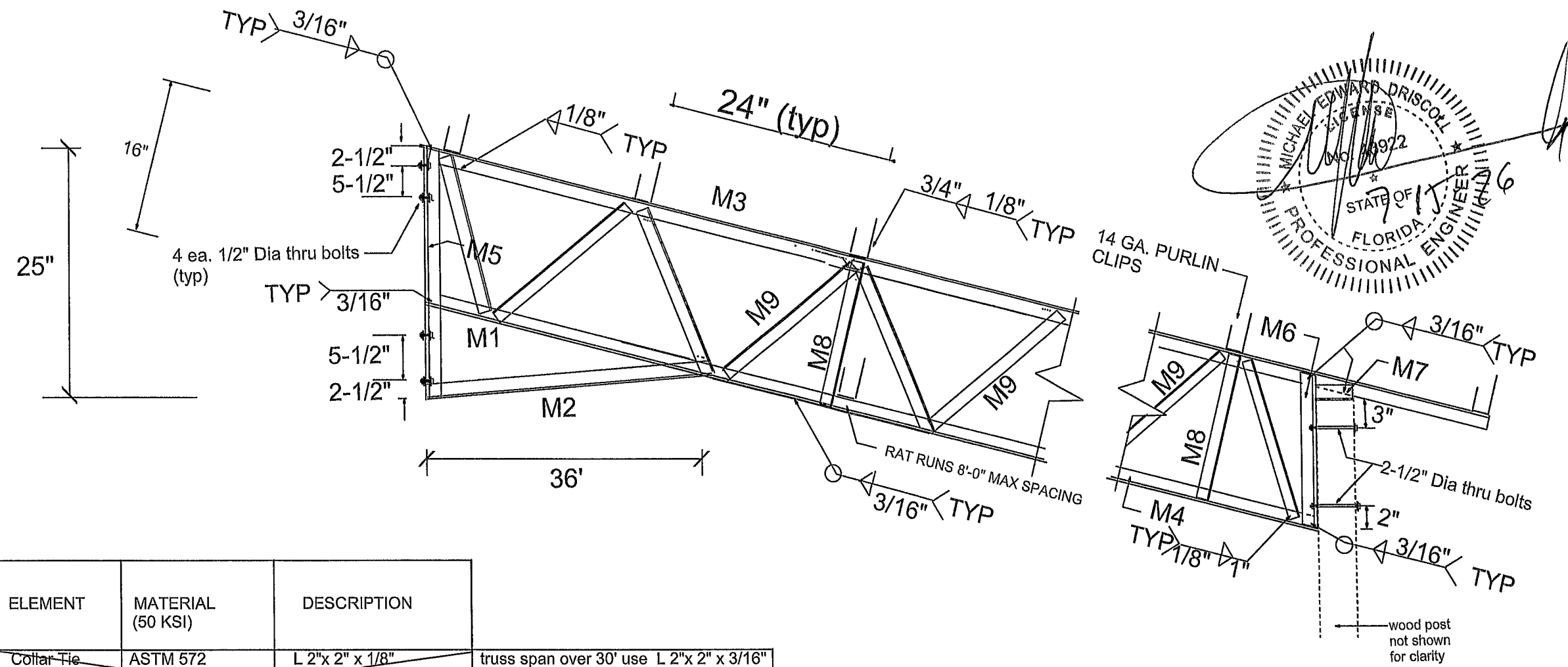
Michael E Driscoll PE
FL REG 43922



JEFF BROWN
947 SE CR 18
LAKE CITY, FL DB26-634
36' X 36' x 12-130- 7-14-26

SHEET

3 OF 4



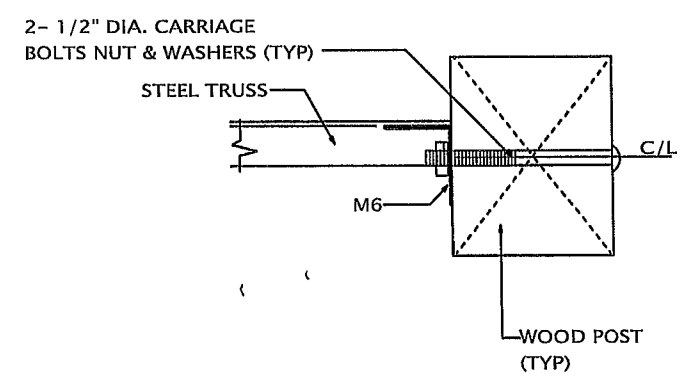
No.	ELEMENT	MATERIAL (50 KSI)	DESCRIPTION
M1	Collar Tie	ASTM 572	L 2"x 2" x 1/8" truss span over 30' use L 2"x 2" x 3/16"
M2	Collar Tie	ASTM 572	L 2"x 2" x 1/8" truss span over 30' use L 2"x 2" x 3/16"
M3	Top Chord	ASTM 572	L 2"x 2" x 1/8" truss span over 30' use L 2"x 2" x 3/16"
M4	Bottom Chord	ASTM 572	L 2"x 2" x 1/8" truss span over 30' use 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" 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	L 1-1/2" x 1-1/2" x 3/16" M8 & rat run @ 8'-0"
M9	Diagonal web	ASTM 572	L 1-1/2" x 1-1/2" x 3/16"

NOTES:

- 1-MATERIALS SHALL CONFORM TO STEEL ASTM 572./ 529
- 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 PRESSURE TREATED GROUND CONTACT. (1500FB Min)
- 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 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.
- 13- ALL TRUSSES ARE PRE- ENGINEERED AND SHOP WELDED WITH NO FIELD WELDING.

All the plans in this building plan set are protected under the Federal Copyright Act, Title XVII of the U.S. Code and Chapter 37 of the Code of Federal Regulations. You are not permitted to copy, broadcast, download, store (in any medium), transmit, show or play in public, adapt or change in any way the content of these engineering web pages for any purpose whatsoever without the prior written permission of Driscoll Engineering, Inc. authorized staff. The owner of the copyright retains title and ownership of the original documents. The plan set licensed to you cannot be used by or resold to any other individual. Reproduction of these plans, either in whole or in part, including any form of copying and/or preparation of derivative works thereof, for any reason without prior written permission, is strictly prohibited.

TRUSS DETAILS



**TRUSS TO POST DETAIL
PLAN VIEW
STRUCTURAL ONLY**

SHEET

4 OF 4

JEFF BROWN

947 SE CR 18

LAKE CITY, FL DB26-634

36' X 36' x 12-130- 7-14-26

DRISCOLL ENGINEERING, INC.

CONSULTING ENGINEERS

PO BOX 357577
GAINESVILLE, FL 32606

PH (352) 331-1513
FX (352) 505-5666