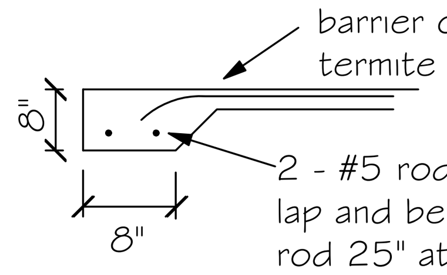
DESIGN SPECIFICATIONS

- DESIGN CODES:
  2023 FLORIDA BUILDING CODE (FBC),
  8TH EDITION
- OCCUPANCY: STORAGE/UTILITY
- DESIGN LOADS:
  ROOF CONVENTIONAL FRAMING:
  LL 20 PSF RAFTERS
  LL 20 PSF CEILING JOISTS
  DL 10 PSF RAFTERS
  DL 10 PSF CEILING JOISTS
  DL 30 PSF ATTICS WITH STORAGE
  DL 10 PSF ATTICS W/O STORAGE
  FLOORS:
  LL 40 PSF TOP CHORD
  LL 0 PSF BOTTOM CHORD
  DL 10 PSF TOP CHORD
  DL 5 PSF BOTTOM CHORD
- NUMBER OF STORIES: 1
- TYPE OF CONSTRUCTION: TYPE V-6,
  UNPROTECTED, UNSPRINKLERED
- WIND ZONE INFORMATION
  BUILDING: ENCLOSED STRUCTURE
  ULTIMATE DESIGN WIND SPEED: 130
  MPH
  NOMINAL DESIGN WIND SPEED: 110
  MPH
  BUILDING RISK CATEGORY: II
  WIND EXPOSURE CATEGORY: C
  INTERNAL PRESSURE COEFFICIENT:
  0.18 CGpi ±

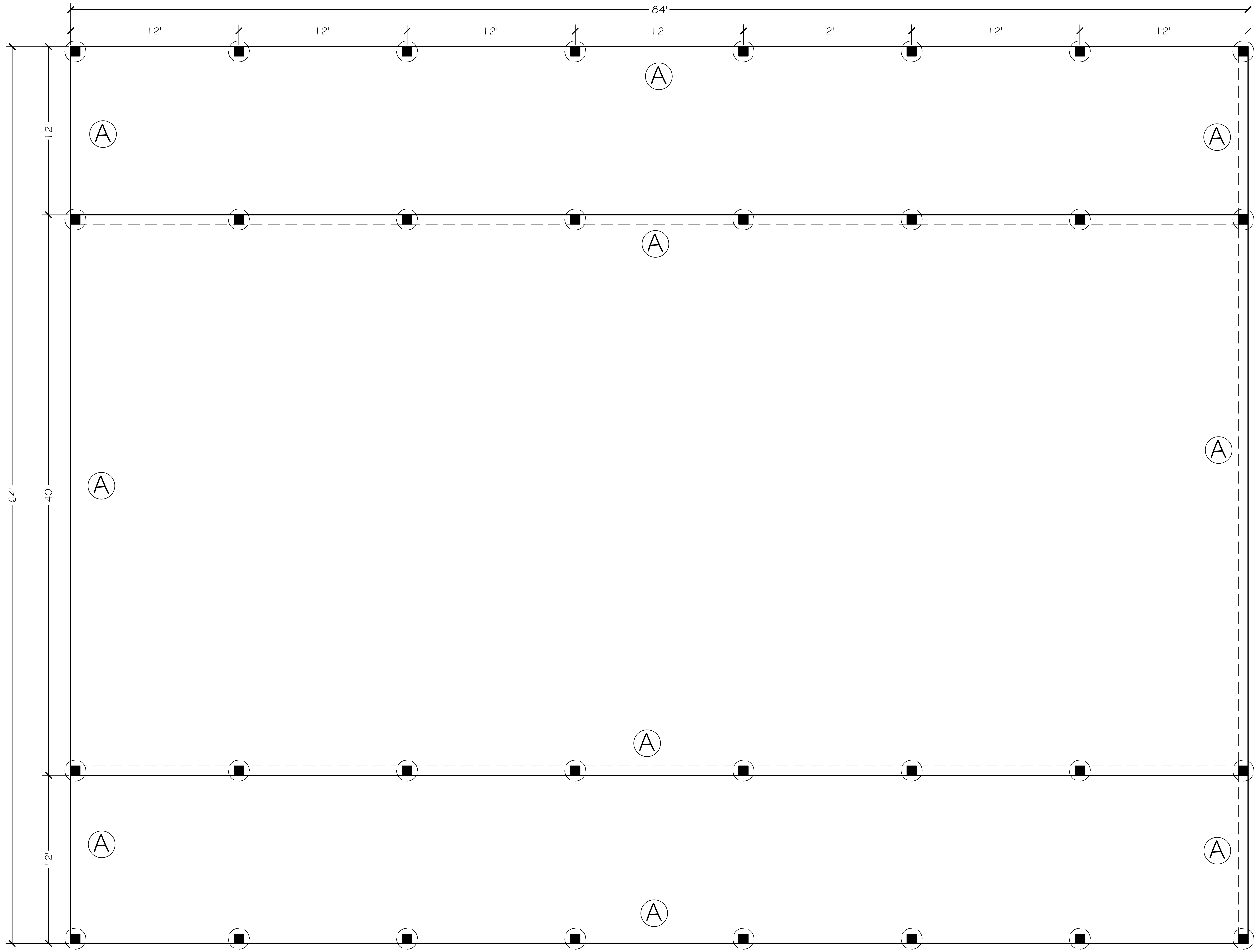


4" concrete slab over 6x6x10/10 (wwm) wire mesh over 6mil vapor barrier over clean compacted, termite treated soil

2 - #5 rods continuous w/min 25" lap and bend outside reinforcing rod 25" at corner (typ)

(A) Monolythic slab detail

ENGINEER'S NOTE:
SEE SHEET S-2 FOR POST FOUNDATION DETAIL



FOUNDATION PLAN

SCALE: 1/4" = 1'

FOUNDATION NOTES

1. REFER TO ARCHITECTURAL & BUILDING PLANS FOR ACTUAL DIMENSIONS, RECESSES IN SLAB, STEP DOWNS, ETC.
2. CONTRACTOR SHALL VERIFY ALL ROUGH PLUMBING LOCATIONS WITH OWNER PRIOR TO POURING SLAB
3. THE SLAB SHALL BE 4" CONCRETE SLAB REINFORCED w/ 6X6-1.4/1.4 WELDED WIRE MESH PLACED ON CHAIRS 1 1/2" DEPTH OR FIBER MESH CONCRETE, 6-MIL POLY VAPOR BARRIER w/ 6" LAPS SEALED w/ POLY TAPE OVER TERMITE-TREATED & COMPACTED FILL
4. BOTTOM OF EXTERIOR FOOTINGS SHALL BE A MINIMUM OF 12" BELOW UNDISTURBED SOIL OR ENGINEERED FILL
5. SOIL UNDER FOOTING SHALL BE COMPRESSED TO 2000 PSF AT 95% DENSITY. CONCRETE STRENGTH SHALL BE 2500 PSI.

CAROL J. CHADWICK LICENSE No. 82560 STATE OF FLORIDA PROFESSIONAL ENGINEER

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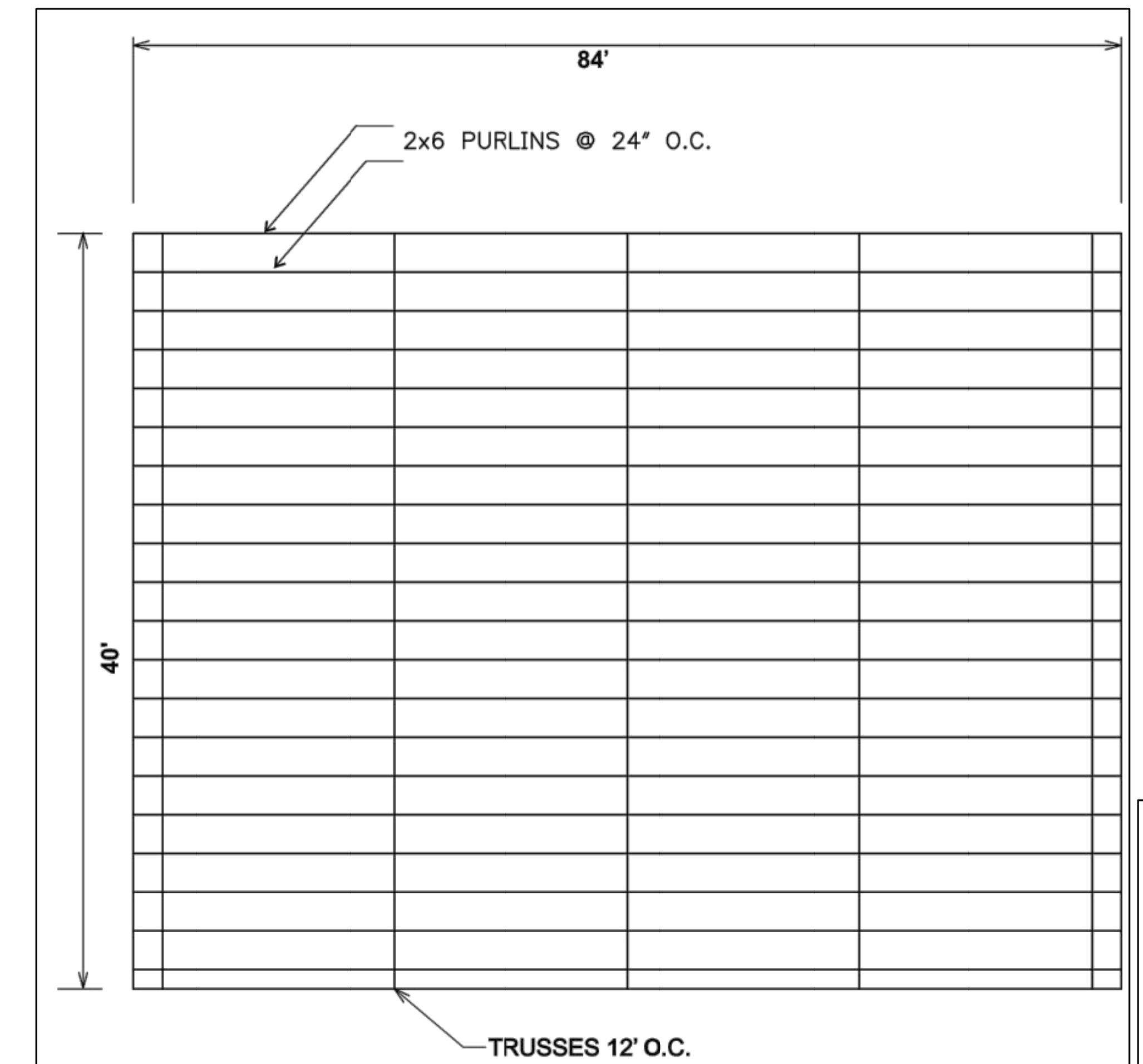
CAROL J. CHADWICK LICENSE No. 82560 STATE OF FLORIDA PROFESSIONAL ENGINEER

DATE	REVISION DESCRIPTION

PREPARED FOR
JOHN PRITCHARD
615.351.8984
pritch@bellsouth.net

PRITCHARD POLE STRUCTURE
FOUNDATION PLAN
670 SW MAULDIN AVENUE, LAKE CITY, FL

PROJECT NO.	DATE	REVISION DATE	SHEET
FL24394	SEP. 3, 2024		S-1



TRUSS AND PURLIN LAYOUT

SCALE : N.T.S.

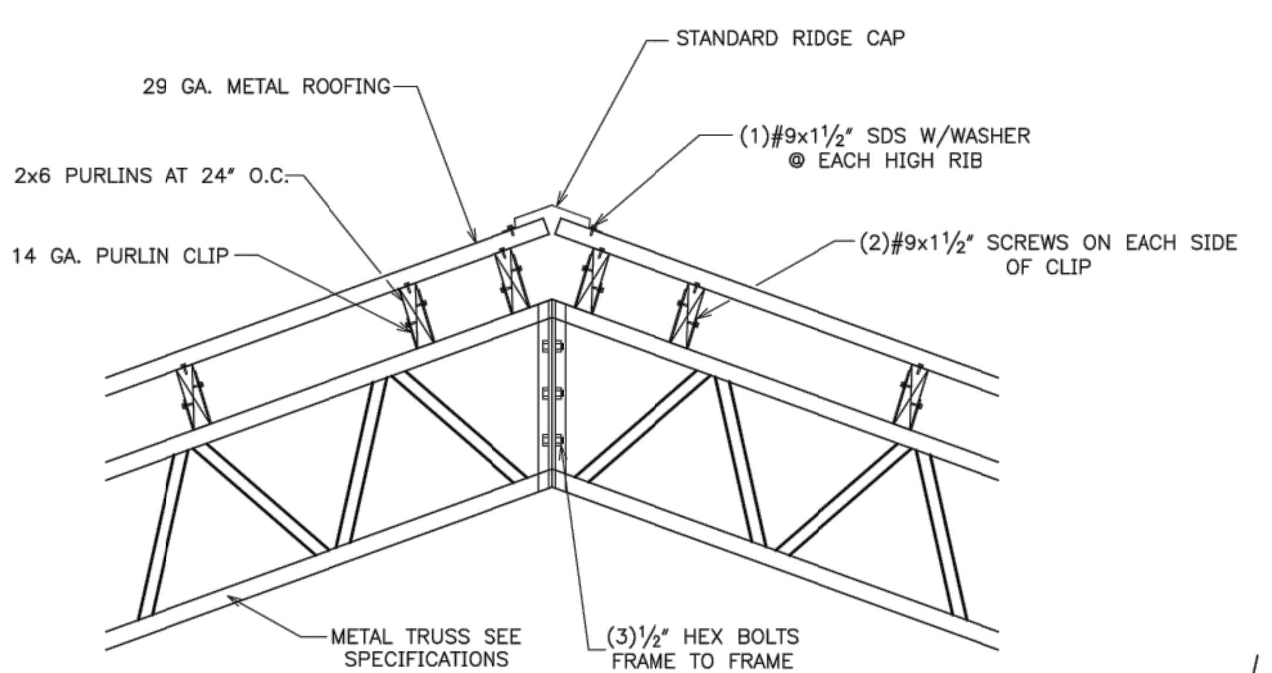
ENGINEER'S NOTE:
TRUSS DESIGN BY OTHERS

GENERAL NOTES:

1. ALL CONSTRUCTION SHALL BE PROVIDED IN ACCORDANCE WITH THE 2023 8TH EDITION FLA BUILDING CODE AND ASCE 7-10 WIND CODES FOR AN ULTIMATE WIND SPEED OF 140 MPH AND GREATER. THESE PLANS INCLUDE DESIGN FOR ALL WIND SPEEDS UP TO AN INCLUDING 170 MPH ULTIMATE WIND SPEED.
2. ALL ROOFING TO BE MIN 29 GAUGE OR BETTER, ATTACHED TO PURLINS AS SHOWN.
3. ALL CONCRETE WORK SHALL BE 3000 PSI AT 28 DAYS. CONTROL JOINTS SHALL BE CUT AT DISTANCES NO GREATER THAN 15' ELECTRICAL CONDUIT AND OTHER PIPES TO BE EMBEDDED IN STRUCTURAL CONCRETE FLOOR SLABS SHALL BE PLACED IN ACCORDANCE WITH ACI-318, PARAGRAPH 6.3.
4. MINIMUM SOIL BEARING SHALL BE ASSUMED AT 2000 PSF
5. ALL WINDOWS AND DOORS SHALL BE INSTALLED PER MANUFACTURERS SPECS.
6. ALL STEEL BUILDING MATERIALS ARE FLOOD RESISTANT AND WILL NOT BE DAMAGED BY FLOOD OR RAIN.
7. DESIGN LOADINGS:
   ROOF LIVE LOAD - 20 PSF
   DEAD LOADS:
      TRUSS SPACING @12' - DL =6 PSF
      TRUSS SPACING @ 10' - DL = 9 PSF
      TRUSS SPACING @ 8' - DL = 12 PSF
   DESIGN SPEED - 170 MPH
   WIND RISK CATEGORY - 1
   EXPOSURE CATEGORY - B
   IMPORTANCE FACTOR - 1.0
   BUILDING CATEGORY I
8. WOOD FRAMING AND FASTENERS TO MEET NDS-2012 REQUIREMENTS.
9. 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, ETC.) IS TO BE INSTALLED ACCORDING TO THE MANUFACTUERER'S SPECIFICATIONS
10. NAILING SIZE AND NUMBER SHALL SATISFY TABLES 2306.2.(1), 2306.3.(1) AND 2306.3.(#) fbc UNLESS OTHERWISE INDICATED.
11. ALL FASTENERS EXPOSED TO THE WEATHER SHALL BE TREATED FOR WEATHER RESISTANCE AND COMPATIBLE WITH THE PRESSURE TREATED WOODS USED.
12. ALL WOOD TO BE #2 YP OR BETTER, ALL WOOD TO BE IN CONTACT WITH CONCRETE TO BE P.T.
13. INTERNAL PRESSURE COEFFICIENT = 0 OPEN
14. COMPONENTS / CLADDING
   ZONE 1 = +/- 30 PSF
   ZONE 2 = +30 PSF / -53 PSF
   ZONE 3 = +3 PSF / -83 PSF

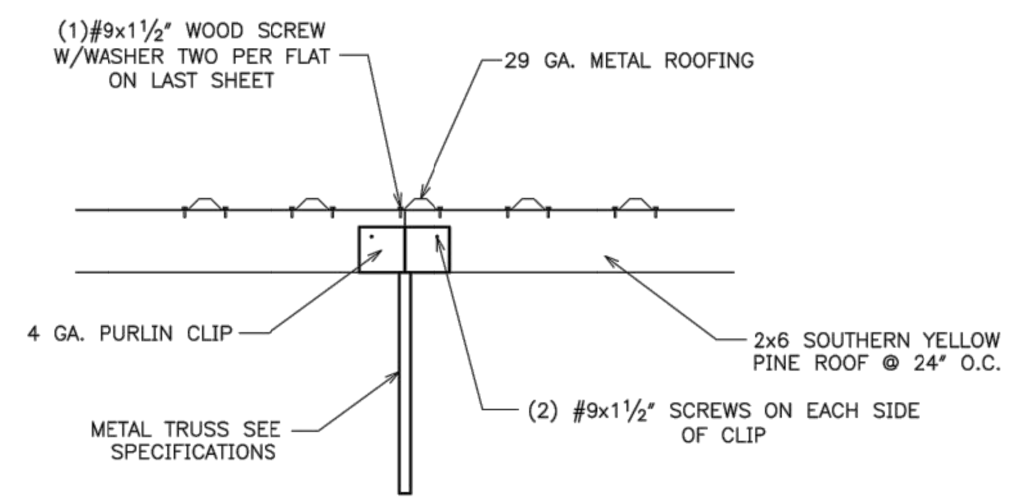
DESIGN STATEMENT:

THESE PLANS WERE DESIGNED FOLLOWING THE 2023 8TH EDITION FLORIDA BUILDING CODE AND ASCE 7-10. INCLUDING CHAPTER 16 ON STRUCTURAL DESIGN. AN ULTIMATE WIND SPEED OF 140 MPH, (3 SECOND GUST) IN WIND EXPOSURE CATEGORY "B". THIS STRUCTURE HAS BEEN DESIGNED AS RISK CATEGORY I. THE COMPONENTS AND CLADDING WERE DESIGNED BASED ON A WIND PRESSURE. THIS STRUCTURE HAS BEEN DESIGNED AS EITHER AN OPEN/ENCLOSED OR PARTIALLY ENCLOSED STRUCTURE AS PER PLAN NOTES.



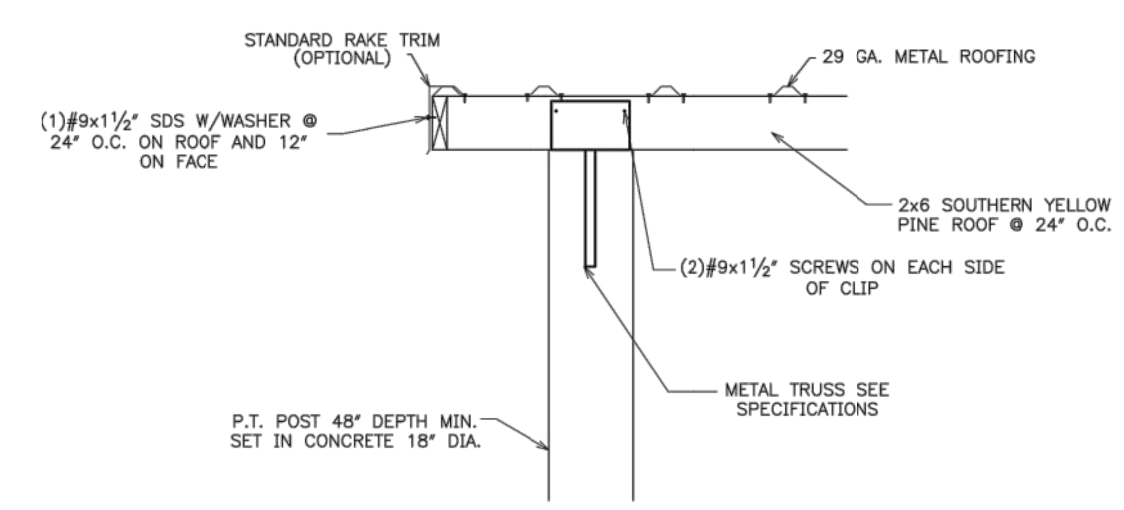
RIDGE DETAIL

SCALE : N.T.S.



PURLIN CONNECTION

SCALE : N.T.S.



RAKE DETAIL

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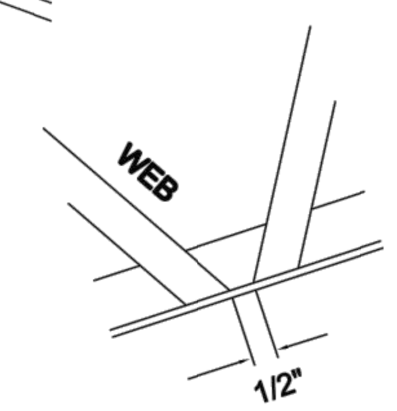

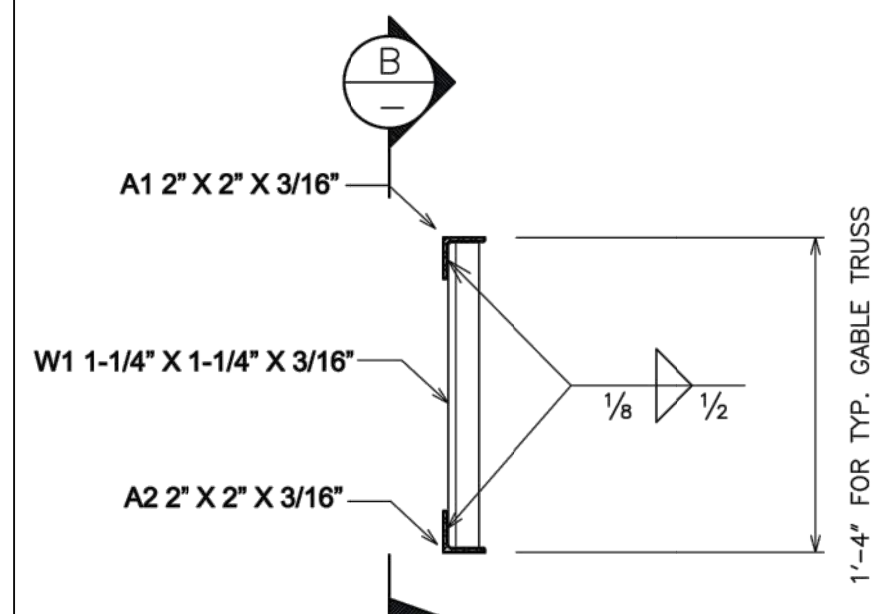

SECTION A

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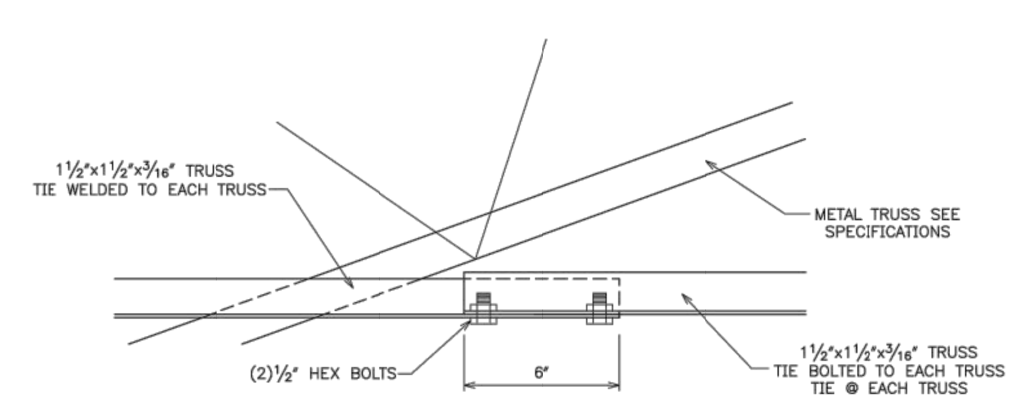

TRUSS TIE CONNECTION

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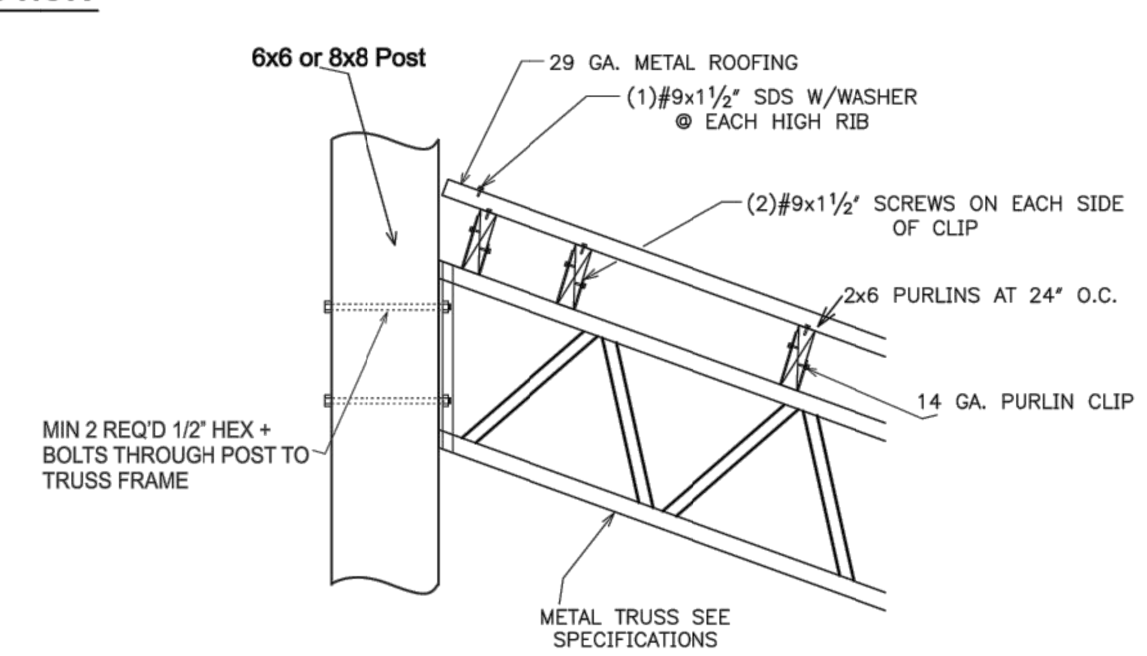

LEAN TO CONNECTION DETAIL

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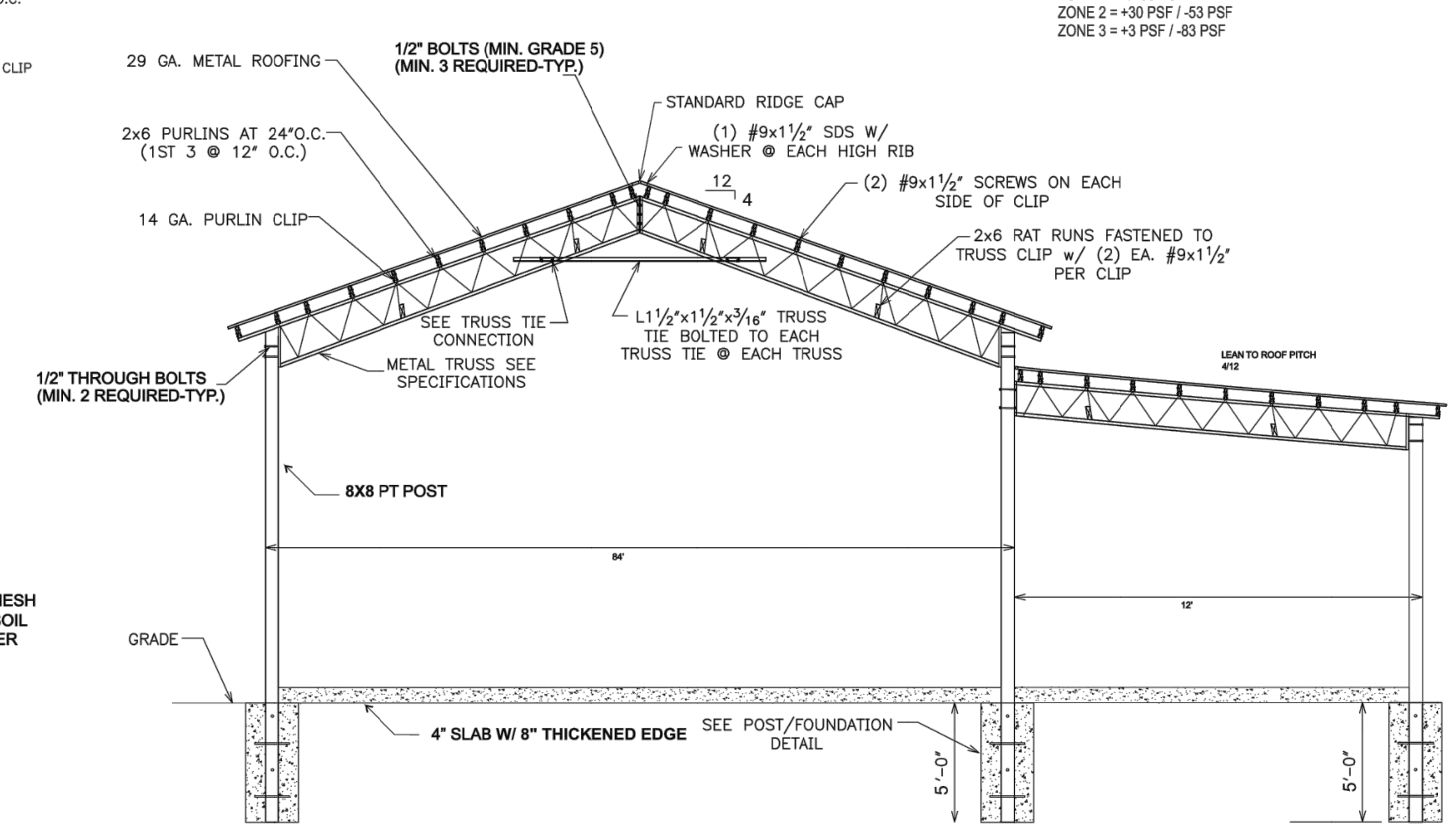
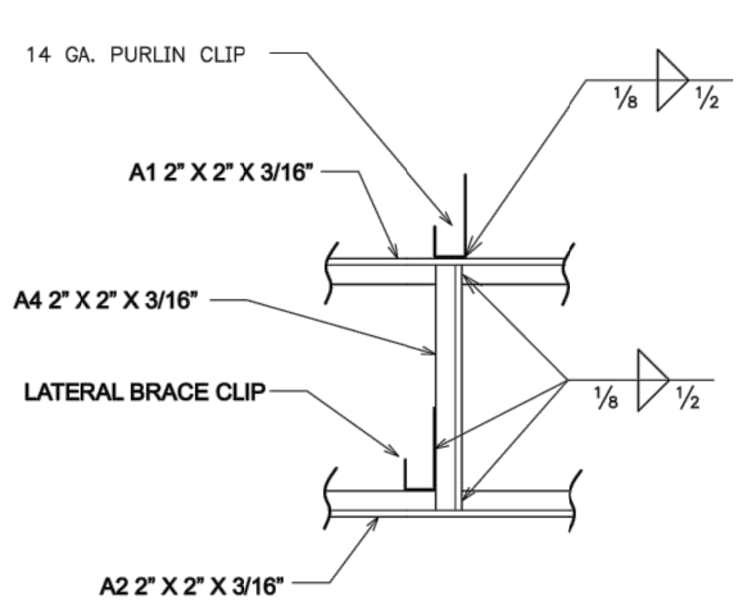


GABLE END VIEW

SCALE : N.T.S.



SECTION B

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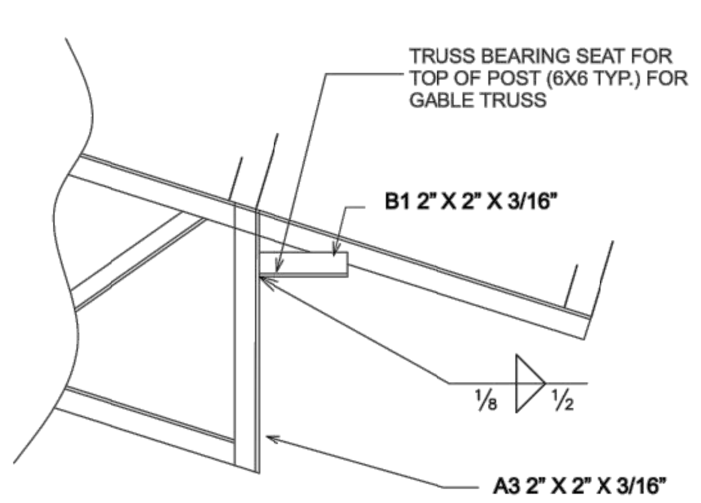
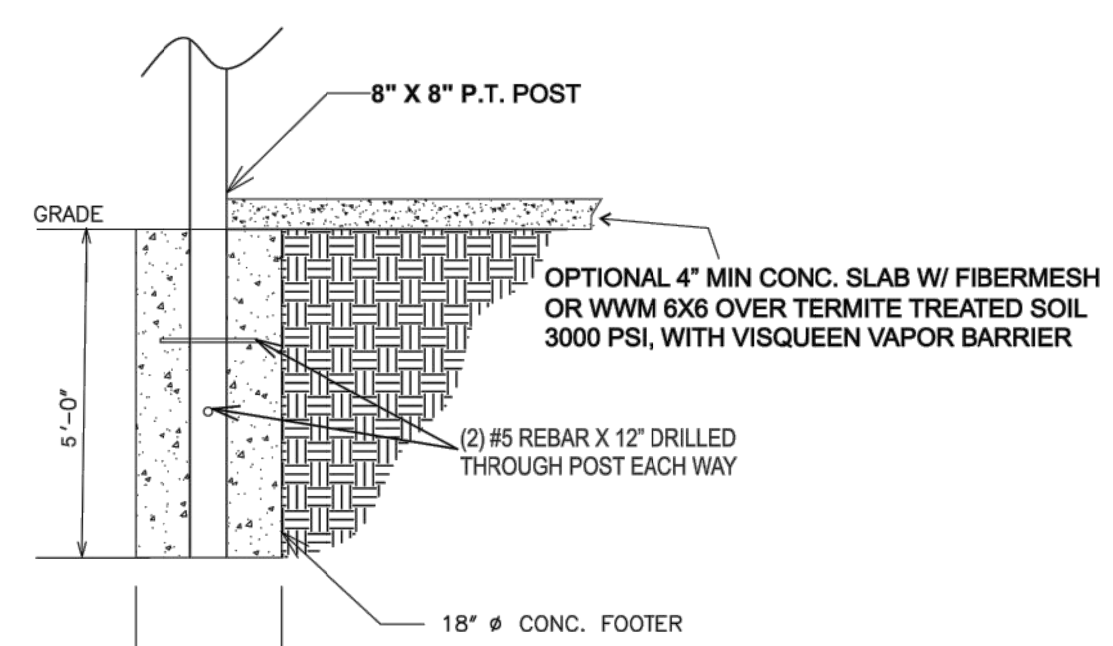


TRUSS SEAT DETAIL

SCALE : N.T.S.



POST/FOUNDATION DETAIL

SCALE : N.T.S.

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