

RICHWOOD FAIR LIVESTOCK ARENA

SITE ADDRESS:
1 GILL STREET
RICHWOOD, OHIO 43344

BUILDING USE DESCRIPTION:
ROOF COVER STRUCTURE

GENERAL NOTES FOR CONSTRUCTION

- ALL DIMENSIONS SHALL BE VERIFIED AT THE JOB BY THE GENERAL CONTRACTOR AND EACH SUB CONTRACTOR AND THE ENGINEER MUST BE NOTIFIED OF ANY DISCREPANCIES WITH DIMENSIONS OR ANY OTHER FIELD CONDITION WHICH IS NOT ACCORDING TO THE DRAWINGS, PRIOR TO PROCEEDING WITH THE WORK. THE ENGINEER MUST BE NOTIFIED OF ANY FIELD CHANGES WHICH AFFECT MEANS OF EGRESS OR ANY OTHER LIFE SAFETY ITEMS WHICH ARE GOVERNING PLAN EXAMINING AGENCY. ALL WORK SHALL CONFORM TO ALL APPLICABLE ELECTRICAL AND MECHANICAL BUILDING CODES. FINAL APPROVAL AT THE SITE WITH THE GOVERNING AGENCY'S INSPECTOR IS MANDATORY.
- THE CONTRACTOR SHALL COORDINATE AND BE RESPONSIBLE FOR SEQUENCING OF THE CONSTRUCTION. THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE BUILDING IS FULLY COMPLETED. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE AND TO INSURE THE SAFETY OF THE BUILDING AND ITS COMPONENT PARTS DURING ERECTION. THIS INCLUDES THE ADDITION OF WHATEVER SHORING, SHEETING, TEMPORARY BRACING GUYS OR TIE-DOWNS WHICH MIGHT BE NECESSARY.
- IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO FOLLOW ALL APPLICABLE SAFETY & BUILDING CODES AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION.
- THESE CONTRACT DOCUMENTS ARE DESIGNED TO MEET THE REQUIREMENTS FOR THE 2019 RESIDENTIAL CODE OF OHIO (RCO).
- THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING TO INSPECT EXISTING FIELD CONDITIONS. THIS CONTRACT SHALL INCLUDE LABOR AND MATERIALS NECESSARY FOR FIELD MODIFICATIONS DUE TO EXISTING CONDITIONS. ANY CONTRACTOR PROPOSED CHANGES OR DEVIATIONS TO THE DESIGN AS SHOWN SHALL BE SUBMITTED TO THE OWNER.

ROOFING INFORMATION

PER IBC, ROOF ASSEMBLIES, ROOF DECKS SHALL BE COVERED WITH APPROVED ROOF COVERINGS SECURED TO THE BUILDING OR STRUCTURE IN ACCORDANCE WITH THE PROVISIONS OF THIS CHAPTER, ROOF COVERINGS SHALL BE DESIGNED, INSTALLED AND MAINTAINED IN ACCORDANCE WITH THIS CODE AND THE APPROVED MANUFACTURER'S INSTALLATION INSTRUCTIONS SUCH THAT THE ROOF COVERING SHALL SERVE TO PROTECT THE BUILDING OR STRUCTURE.

ROOF TRUSSES:

DESIGN OF MEMBERS AND CONNECTIONS TO BE BY A PROFESSIONAL ENGINEER, REGISTERED IN THE STATE OF OHIO, EXPERIENCED IN SIMILAR DESIGN, RETAINED BY THE MANUFACTURER.

SHOP DRAWINGS SHALL EXHIBIT THE SEAL OF THE ENGINEER RESPONSIBLE FOR THE DESIGN OF THE TRUSS.

LOADING:

TOP CHORD LIVE LOAD:	25 PSF
TOP CHORD DEAD LOAD:	10PSF
BOTTOM CHORD LIVE LOAD:	5PSF
BOTTOM CHORD DEAD LOAD:	5PSF
TOTAL LOAD:	45PSF
NET WIND UPLIFT:	8PSF
MAXIMUM LIVE LOAD DEFLECTION IS TO BE L/360	
MAXIMUM TOTAL LOAD DEFLECTION IS TO BE L/240	

STRUCTURAL & GENERAL NOTES

A. STRUCTURAL DESIGN LOADS

- FLOOR LIVE LOAD:
FIRST FLOOR - 100PSF
- WIND LOAD:
CORRESPONDING TO 115 MPH WIND SPEED
IMPORTANCE FACTOR WIND (I): 1.0
- SOIL LOAD BEARING:
ASSUMED 1500 PSF
- GROUND SNOW LOAD: 20PSF
- ROOF W/ CEILING LOADS: 30PSF
- ROOF WITHOUT CEILING LOADS: 20PSF
- DECKS: 50 PSF (ADD 50 PSF IN AREA WITH HOT TUB)
- SEISMIC DESIGN CATEGORY: B
- ICE SHIELD REQUIRED
- WINTER DESIGN TEMP: 0-10 DEGREES F.
FROST DEPTH: 36 INCHES
WEATHERING SEVERE
AIR FREEZING INDEX: 1400
MEAN ACTUAL TEMP: 50 DEGREES F.
- SUBJECT TO DAMAGE FROM: TERMITE & DECAY (MODERATE TO HEAVY)
- FLOOD HAZARDS
A. 7/16/79
B. 4/22/97

B. CONCRETE STRENGTH

- FOOTINGS AND FOUNDATION WALLS:
SHAL BE Fc= 3000 PSI
- CONFORMANCE WITH THE STRENGTH TEST REQUIREMENTS OF SECTION 1905.6.

C. WOOD MEMBER SPECIFICATIONS.

ALL DIMENSIONAL LUMBER USED FOR FRAMING SHALL BE SPRUCE PINE FIR #2 OR BETTER AND HAVE A MAXIMUM MOISTURE CONTENT OF 19%

- WALL STUDS TO BE 2X6 16" CENTER TO CENTER ONE PIECE FULL HEIGHT. ALL WOOD MEMBERS, INCLUDING BUT NOT LIMITED TO BEAMS, TRUSSES, RAFTERS, ETC. SHALL HAVE A MINIMUM BEARING OF 1 1/2"

STRUCTURAL & GENERAL NOTES

D. ENGRESS & EGRESS

LANDINGS AT DOORS:
THERE SHALL BE A FLOOR OR LANDING ON EACH SIDE OF EACH EXTERIOR DOOR. THE WIDTH OF EACH LANDING SHALL NOT BE LESS THAN THE DOOR BEING SERVED. EACH LANDING SHALL HAVE A MINIMUM DIMENSION OF 36 INCHES MEASURED IN THE DIRECTION OF TRAVEL.

E. INSULATION

- INSULATION AND FACINGS EXPOSED IN ATTIC, DWELLING UNIT OR CRAWL SPACES SHALL HAVE A FLAME SPREAD RATING NOT TO EXCEED 25 AND SMOKE DEVELOPED FACTOR NOT TO EXCEED 450. CONFORMANCE WITH THE STRENGTH TEST REQUIREMENTS OF SECTION 1905.6.
- VAPOR BARRIER. IN ALL FRAME WALLS AND FLOOR, AND CEILINGS. NOT VENTILATED TO ALLOW MOISTURE TO ESCAPE. AND APPROVED VAPOR RETARDER SHALL BE INSTALLED ON THE WARM-IN-WINTER SIDE OF THE THERMAL INSULATION.

F. FIRE STOPPING

FIRE STOPPING SHALL BE PROVIDED TO CUT OFF ALL CONCEALED DRAFT OPENINGS (VERT. & HORIZ.) AND TO FORM AN EFFECTIVE FIRE BARRIER BETWEEN STORIES AND BETWEEN STORIES AND ROOF.

G. ROOF SHEATHING

ROOF SHEATHING SHALL BE SUPPORTED WITH BLOCKING OR EDGE CLIPS WHEN RAFTERS OR TRUSSES ARE 24" O.C. OR GREATER.

APPLICABLE CODE:

- 2024 OHIO BUILDING CODE (OBC)
- 2023 NATIONAL ELECTRIC CODE (NEC)
- 2024 OHIO FIRE CODE

BUILDING INFORMATION:

OCCUPANCY TYPE:	A-4
CONSTRUCTION TYPE:	VB
MAX ALLOWABLE AREA PER TABLE 506.2 =	18,000 SQ. FT.
ACTUAL AREA=	9,600 SQ. FT.

SHEET INDEX	
ID	NAME
C-100	TITLE SHEET / GENERAL INFO
C-200	SITE PLAN
A-100	FLOOR PLAN
A-200	BUILDING ELEVATIONS
S-200	BUILDING SECTIONS
S-300	STRUCTURAL FRAMING PLAN
E-100	ELECTRICAL PLAN

NOTE :

- ALL RIGHTS RESERVED, NO PART OF THIS PUBLICATION MAY BE REPRODUCED, DISTRIBUTED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS INCLUDING PHOTOCOPYING, RECORDING, OR OTHER ELECTRONIC OR MECHANICAL METHODS, WITHOUT THE PRIOR WRITTEN PERMISSION OF THE PUBLISHER.
- REVISION #'S REFERENCE TO PERIODIC DESIGN CHANGES.
- ENCLOSED CLOUDS INDICATE CHANGES ON THE MOST RECENT REVISION.

MERKHEIT DRAFTING
82408 WALKER SCHOOL RD.
CADIZ, OHIO 43907



**PRELIMINARY
NOT FOR
CONSTRUCTION**

SEAL

RICHWOOD FAIR LIVESTOCK ARENA

1 GILL STREET
RICHWOOD, OHIO 43344
UNION COUNTY

TITLE SHEET / GENERAL INFO

C-100

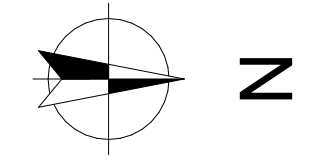
Plotted On: 3/4/2026



1 PROPOSED SITE PLAN OVERALL
SCALE: 1" = 200'



2 PROPOSED SITE PLAN
SCALE: 1" = 30'



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← 1" ACTUAL →

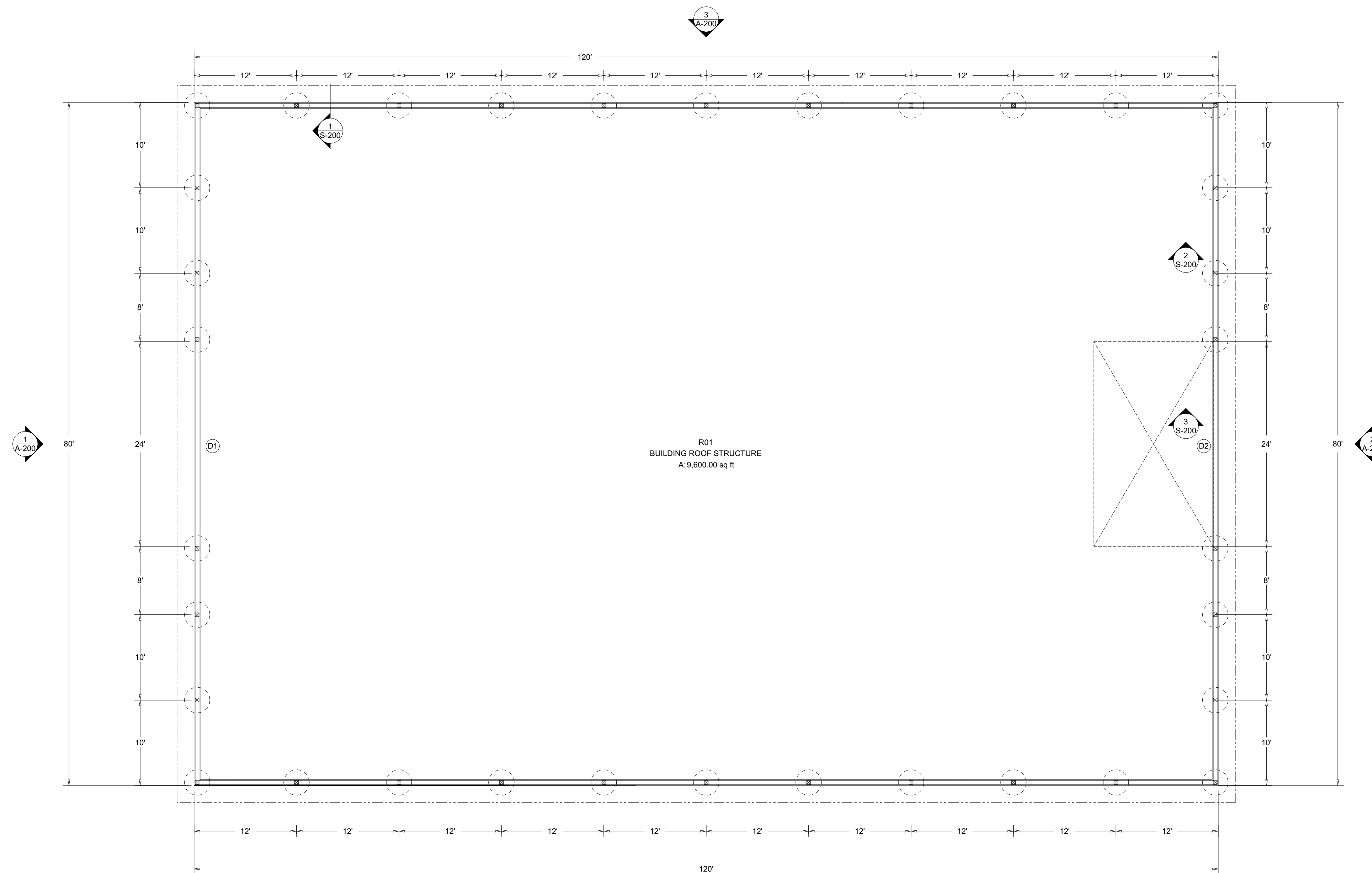
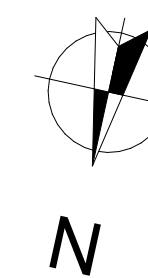
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Date:	3/4/2026
Scale:	AS NOTED
Job:	23-
Sheet	

C-200
Plotted On: 3/4/2026

SITE PLAN

I:\Inetmz_NAS\Merkhet Drafting\2026\Richwood Fair Grounds\Richwood Fair Building.rvt



1 BUILDING LAYOUT
 SCALE: 1/8" = 1'-0"
 0 4' 8' 16'

ROOM FINISH/ LIGHT AND VENT SCHEDULE						
FLOOR	ROOM NUMBER	ROOM	AREA	CEILING	FLOOR	WALL FINISH
FIRST FLOOR	R01	BUILDING ROOF STRUCTURE	9,600.00	PAINTED METAL	SEALED CONCRETE	EXPOSED FRAMING

DOOR SCHEDULE									
MARK	TYPE	DOOR SIZE		HARDWARE SET	SEAL	SELF CLOSING	TEMPERED	GLAZING	DOOR SWING
		WIDTH	HEIGHT						
D1	---	24'-0"	14'-0"	FRAMED OPENING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		---
D2	INSULATED OVERHEAD DOOR	24'-0"	14'-0"	MANUAL OVHD OPENER	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

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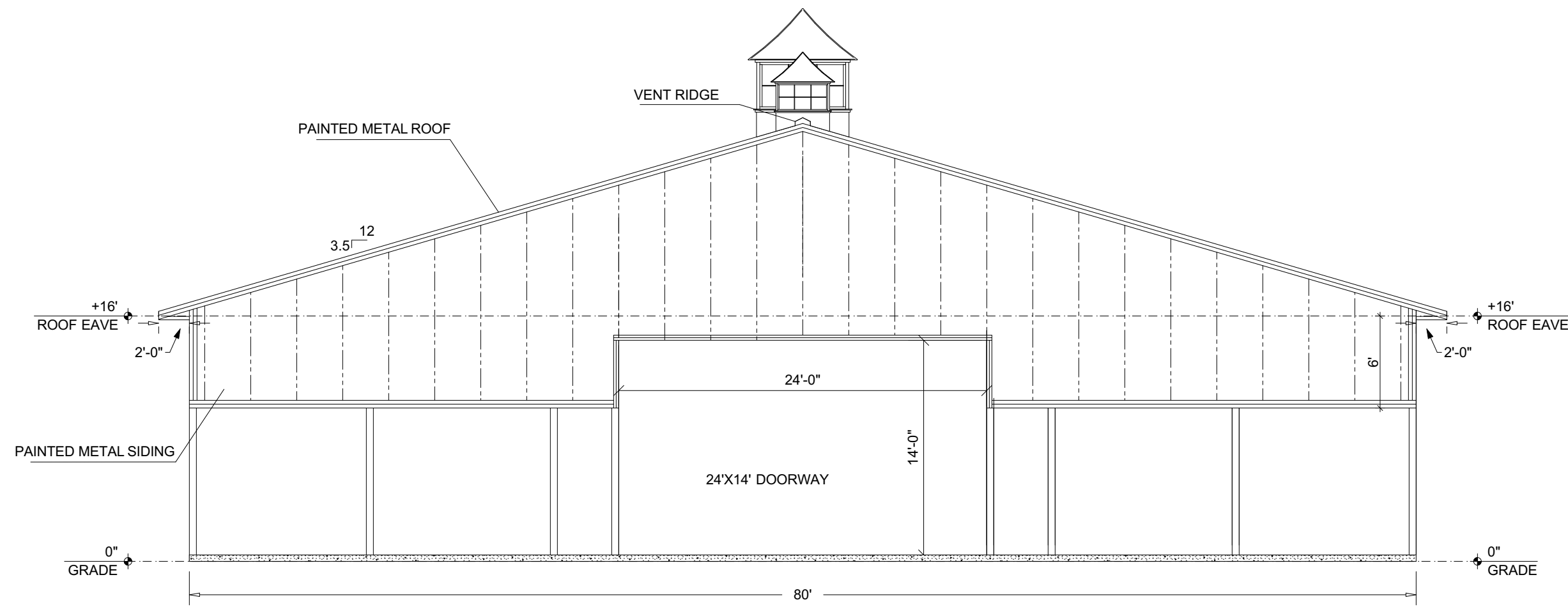
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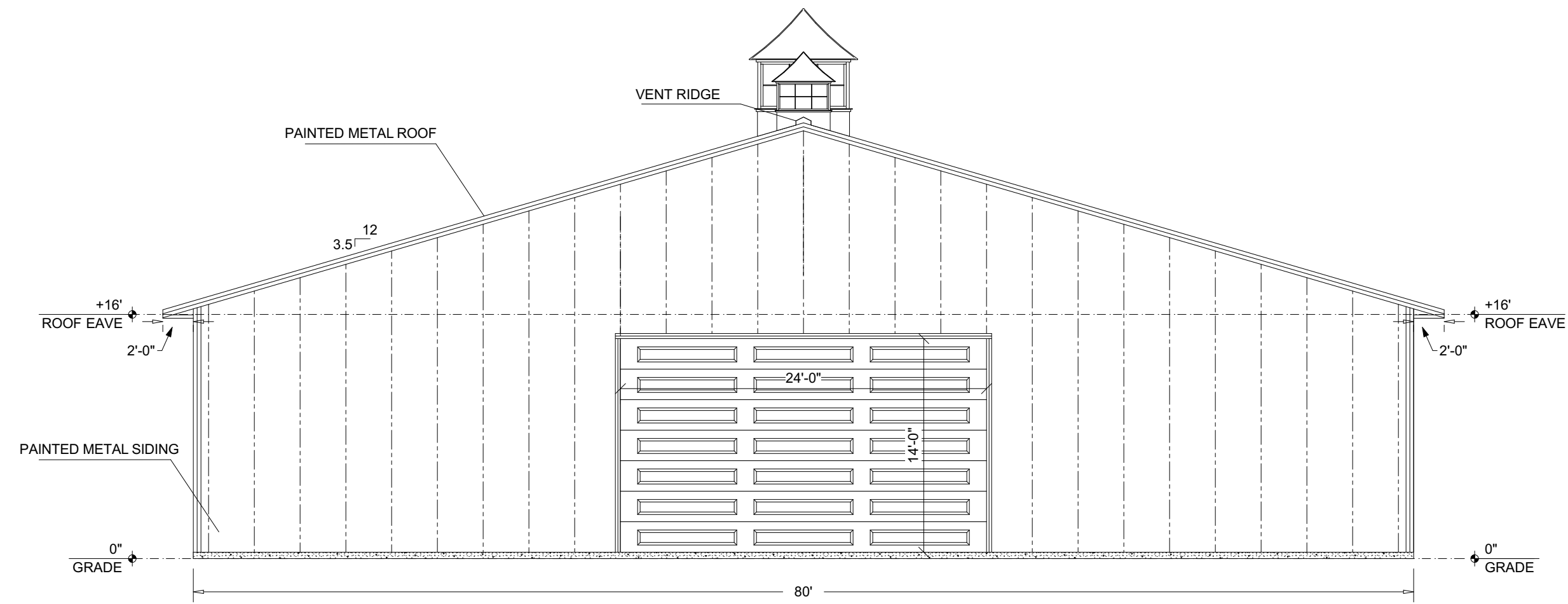
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 Scale: AS NOTED
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 Sheet

A-100
 Plotted On: 3/4/2026

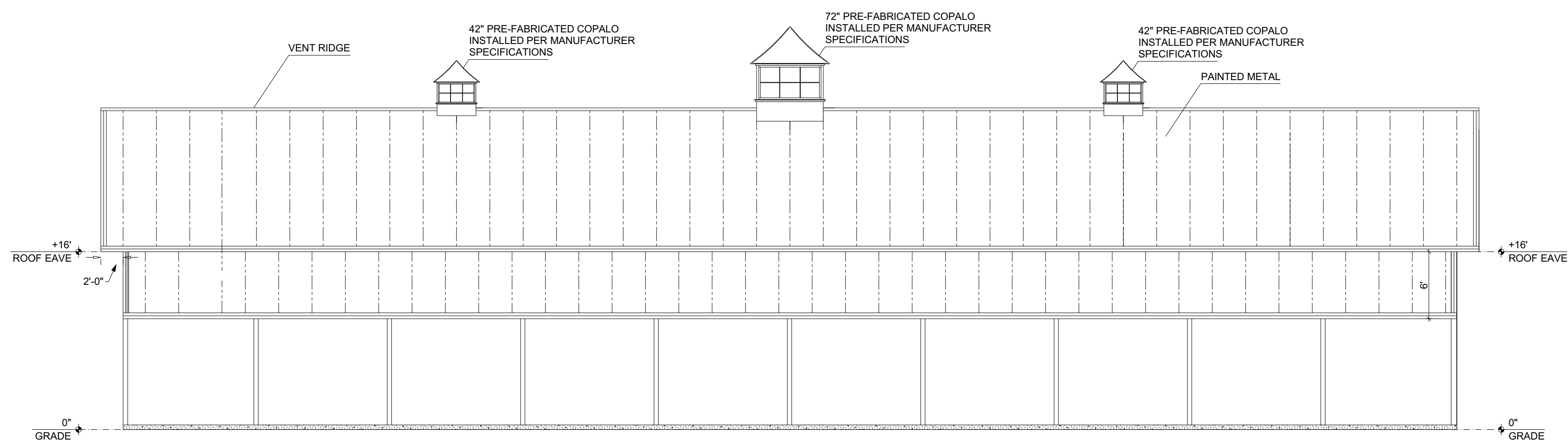
FLOOR PLAN



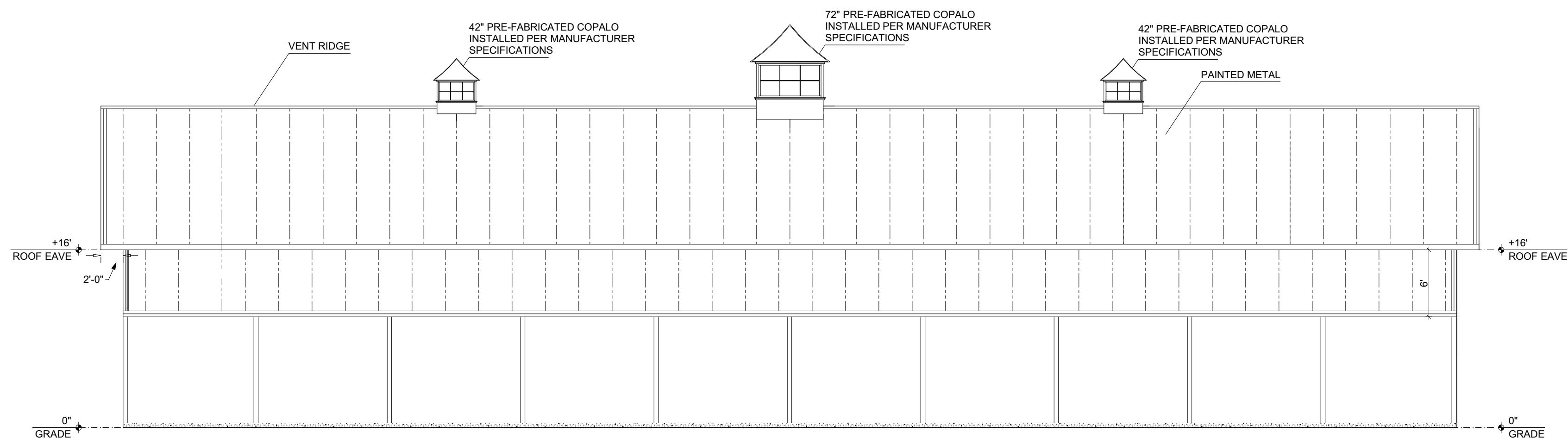
1 ELEVATION
SCALE: 1/8" = 1'-0"



2 ELEVATION
SCALE: 1/8" = 1'-0"



3 ELEVATION
SCALE: 1/8" = 1'-0"



4 ELEVATION
SCALE: 1/8" = 1'-0"

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Sheet

A-200
Plotted On: 3/4/2026

BUILDING ELEVATIONS

STRUCTURAL LUMBER

1. MATERIALS

- A. STRUCTURAL LUMBER FOR BEARING AND EXTERIOR WALL STUDS
SPF #2 OR EQUAL. ALLOWABLE STRESSES PER THE NATIONAL DESIGN SUPPLEMENT 1991 EDITION, 19% MAX MC.
- B. STRUCTURAL LUMBER FOR JOIST, HEADERS, AND PORTAL FRAME BRACED WALLS
SHALL BE #1 SYP OR EQUAL UNLESS OTHERWISE SPECIFIED.
- C. PLYWOOD- PLYWOOD CDX, STRUCTURAL II OR BETTER, EXTERIOR GLUE FOR ROOF AND WALLS. PANEL IDENTIFICATION INDEX 24/0-15/32" MIN. (WITH PLYWOOD CLIPS). FOR FLOORS- PANEL IDENTIFICATION INDEX 32/16-23/32".
- D. OSB- FOR WALLS = 7/16" THICK WITH PANEL INDEX W24, EXPOSURE I. FOR ROOFS = 7/16" WITH PANEL INDEX IR24, EXPOSURE 1. FOR FLOORS = 3/4" THICK STURD-I-FLOOR WITH PANEL IDENTIFICATION IF24, EXPOSURE 1, TONGUE AND GROOVE.
- E. MICRO LAM (L.V.L.), MODULES OF ELASTICITY = 1,000,000,000 PSI. Fb= 2,600 PSI. DESIGN BASED ON TRUSS-JOIST MACMILLAN.
- F. TREATED WOOD- ACQ (ALKALINE COPPER QUARTERNARY) TREATED WOOD FOR WOOD MATERIALS IN CONTACT WITH CONCRETE. REQUIRED CONNECTIONS TO BE USED IN COORDINATION OF ACQ. SEE NOTE 3E.

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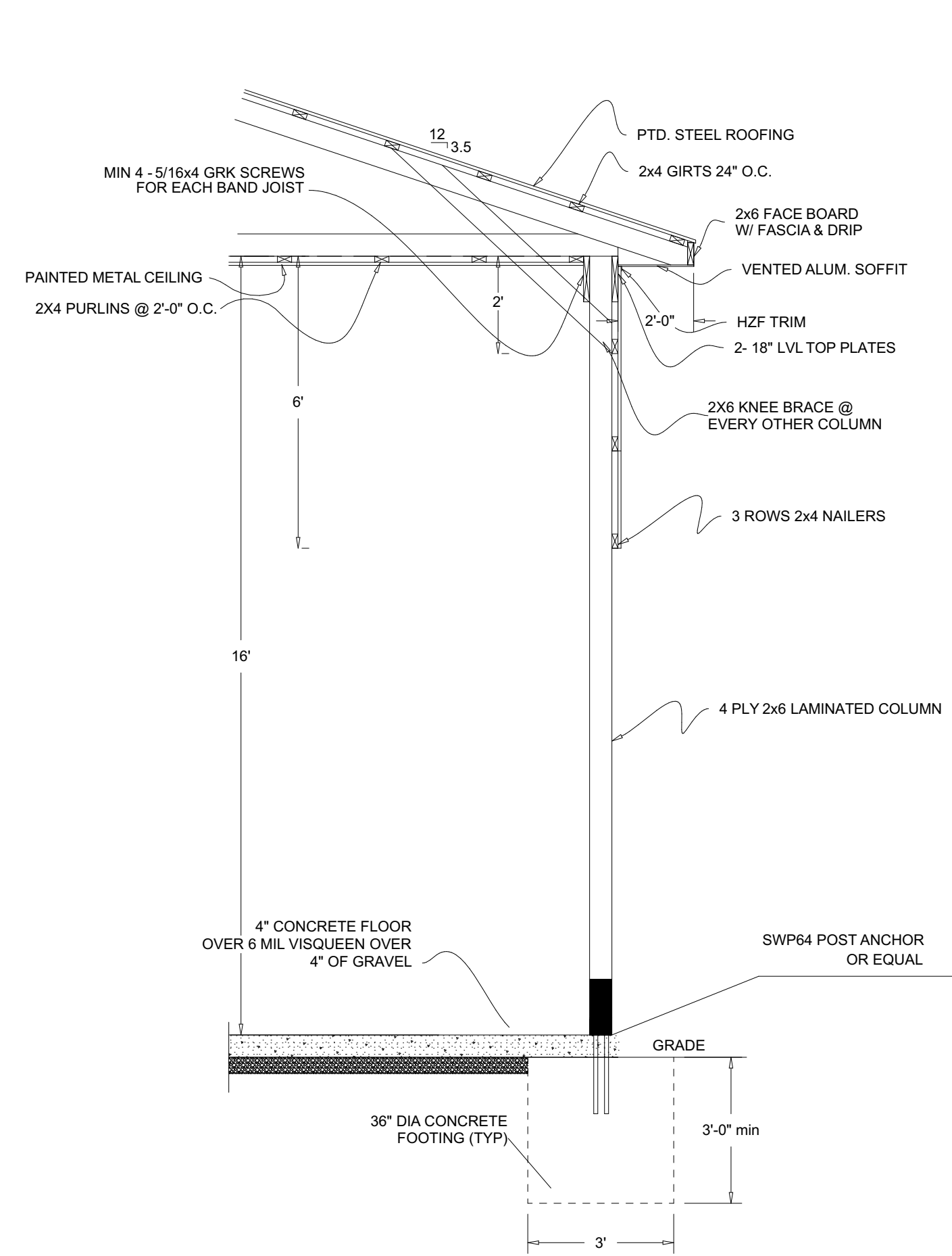
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- B. U.S. PRODUCT STANDARDS PS-1 FOR SOFT PLYWOOD- CONSTRUCTION AND INDUSTRIAL.
- C. 2019 RESIDENTIAL CODE OF OHIO.

3. CONNECTIONS

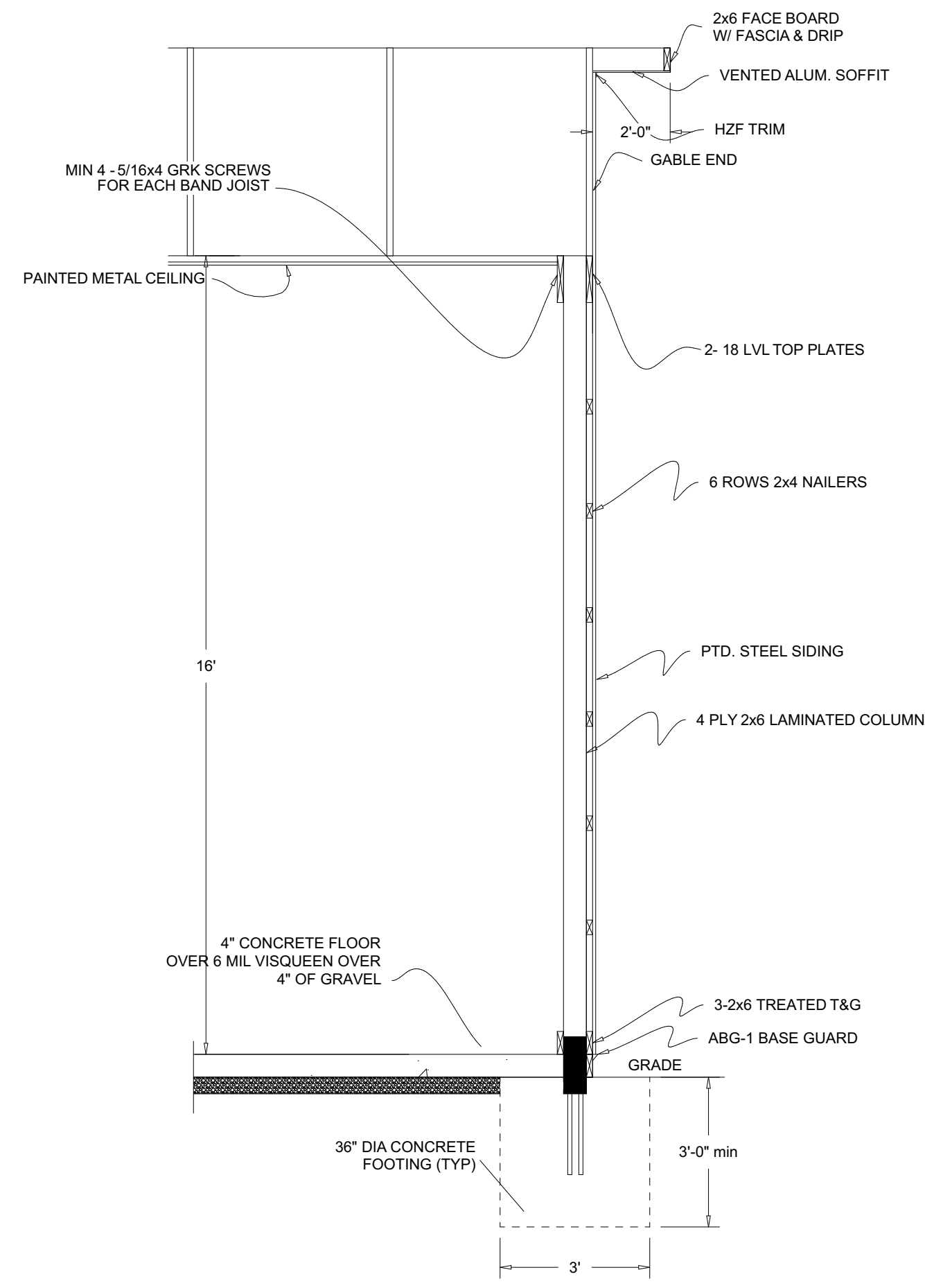
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- B. RAFTERS AND TRUSSES TO TOPS OF WALLS AND BEAMS- 18 GA/ GALVANIZED HURRICAN ANCHORS.
- C. PLYWOOD TO FLOOR JOIST- GLUED AND NAILED- USE 8D COATED SINKERS AT 6 INCHES ON CENTER AT PANEL EDGES AND 12 INCHES C/C AT INTERMEDIATE SUPPORTS. USE ADHESIVE MEETING APA SPECIFICATION APG-01 AND APPLIED PER MANUFACTURER'S RECOMMENDATIONS.
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- F. ALL FASTENERS, CONNECTORS, OR OTHER HARDWARE IN DIRECT CONTACT WITH PRESERVATIVE TREATED OR FIRE RETARDANT WOOD SHALL BE STAINLESS STEEL TYPE 304 OR TYPE 316, OR HOT DIPPED GALVANIZED STEEL ASTM A123, CLASS D WITH 1.85 OUNCES OF ZINC PER SQ. FT. TO REDUCE THE CORROSION PROCESS. THE FASTENERS SHALL BE MADE OF THE SAME MATERIAL FOR COMPATIBILITY.
- G. WHERE CEILING JOISTS ARE NOT PARALLEL TO THE RAFTERS, SUB FLOORING OR METAL STRAPS ATTACHED TO THE ENDS OF THE RAFTERS SHALL BE INSTALLED IN A MANNER TO PROVIDE A CONTINUOUS TIE ACROSS THE BUILDING, OR RAFTERS SHALL BE TIED TO A 1"x4" MINIMUM SIZE CORSS TIE. THE CONNECTIONS SHALL BE IN ACCORDANCE WITH TABLE R602.3 OR CONNECTIONS OF EQUIVALENT CAPACITIES SHALL BE PROVIDED.
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PREFABRICATED WOOD TRUSSES

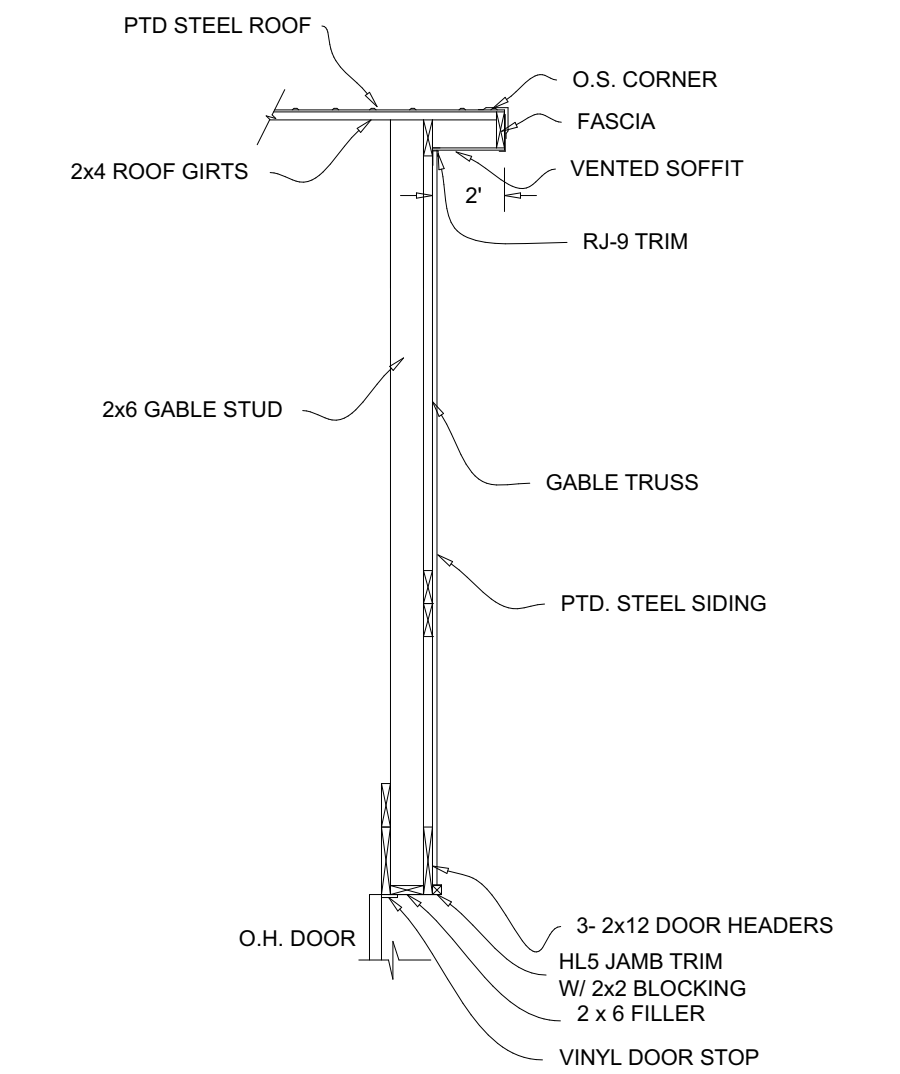
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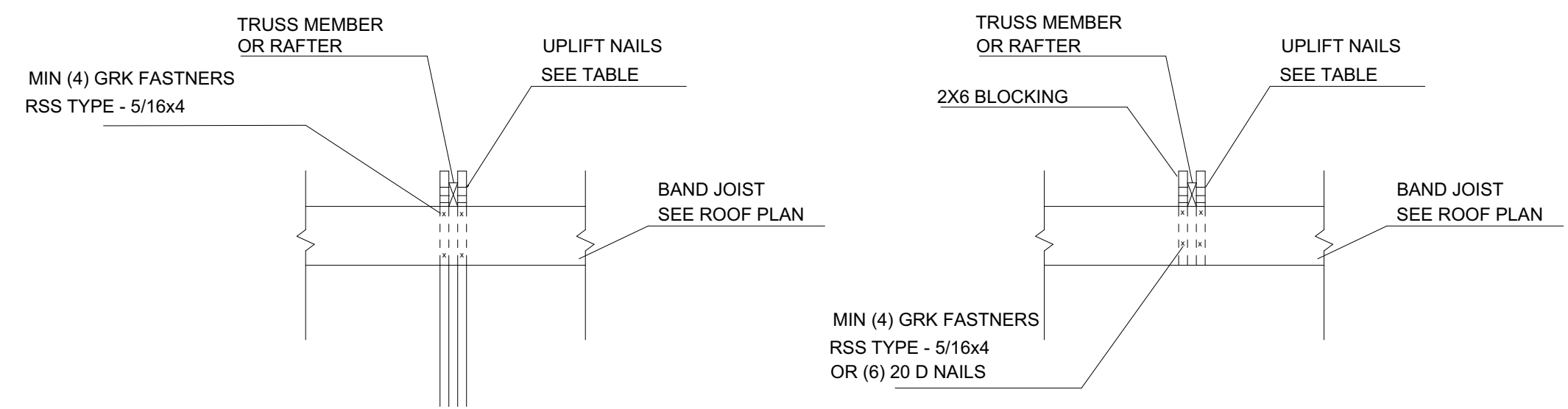
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NOT TO SCALE



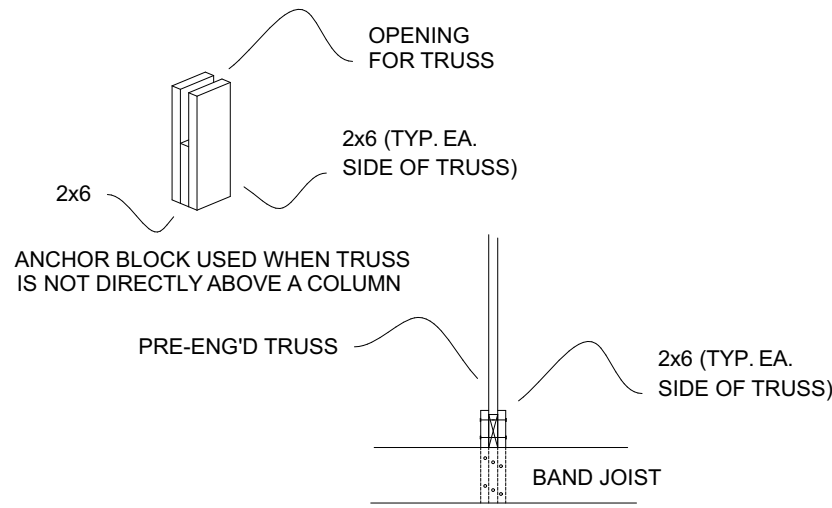
2 SECTION
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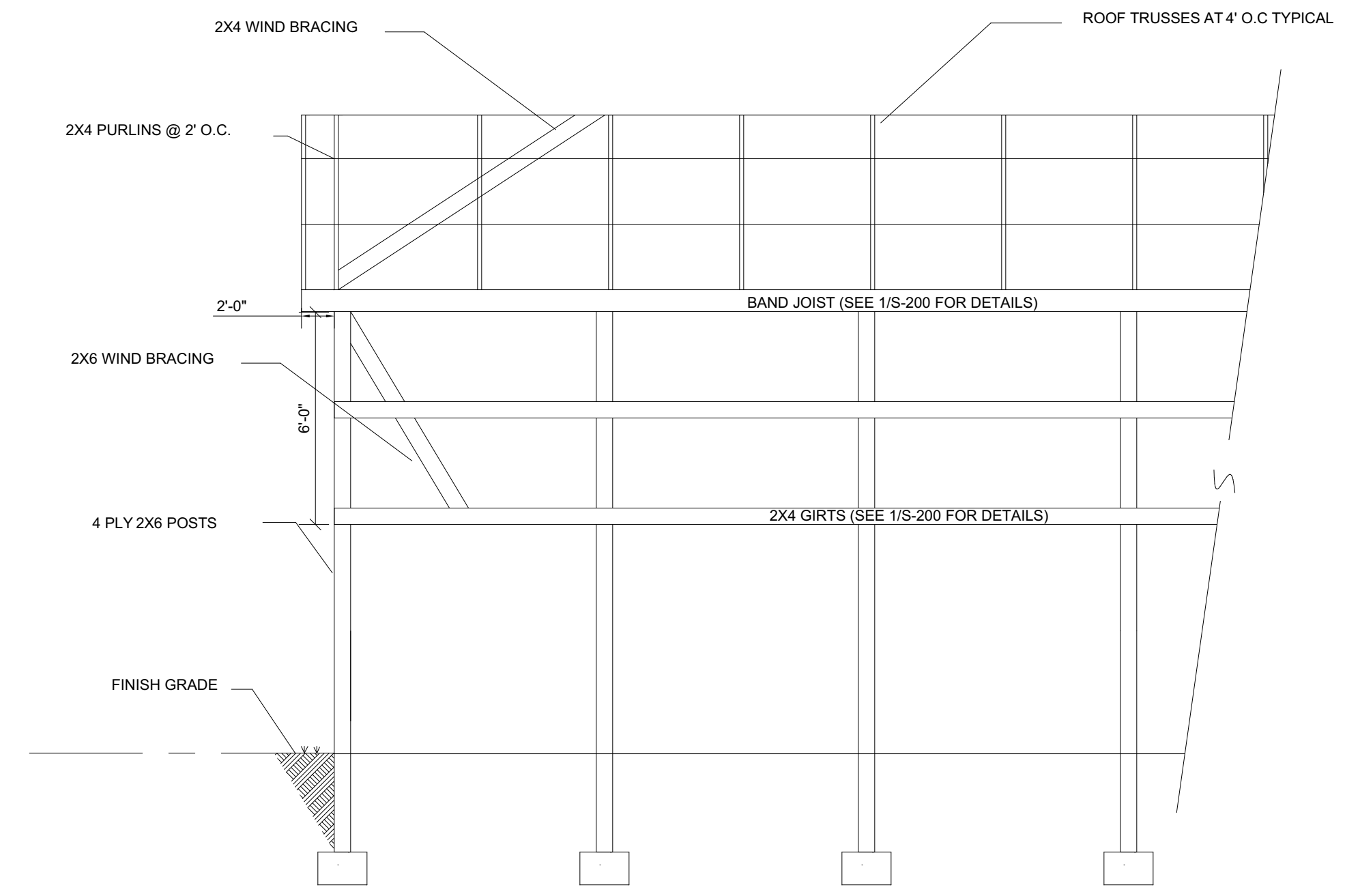
3 DOOR HEADER SECTION
NOT TO SCALE



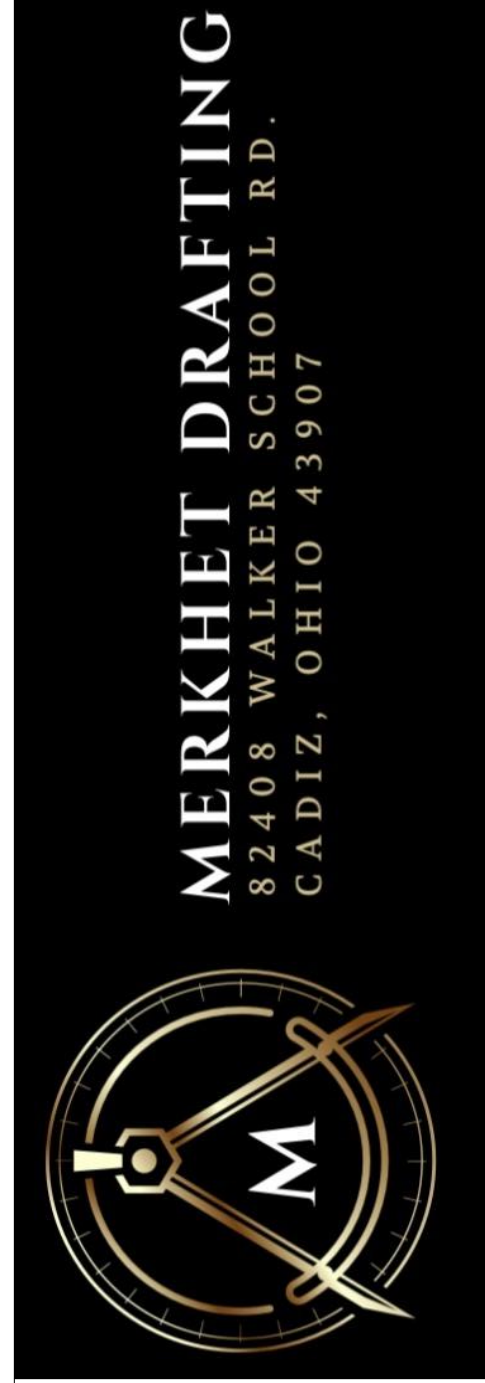
5 POST CONNECTION DETAIL
SCALE: 1/8" = 1'-0"



6 TRUSS ANCHOR DETAIL
SCALE: 1/8" = 1'-0"



4 WIND BRACE DETAIL
NOT TO SCALE



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S-200
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BUILDING SECTIONS

I:\Inetmetz_NAS\Merkhet Drafting\2026\Richwood Fair Grounds\Richwood Fair Building.dwg

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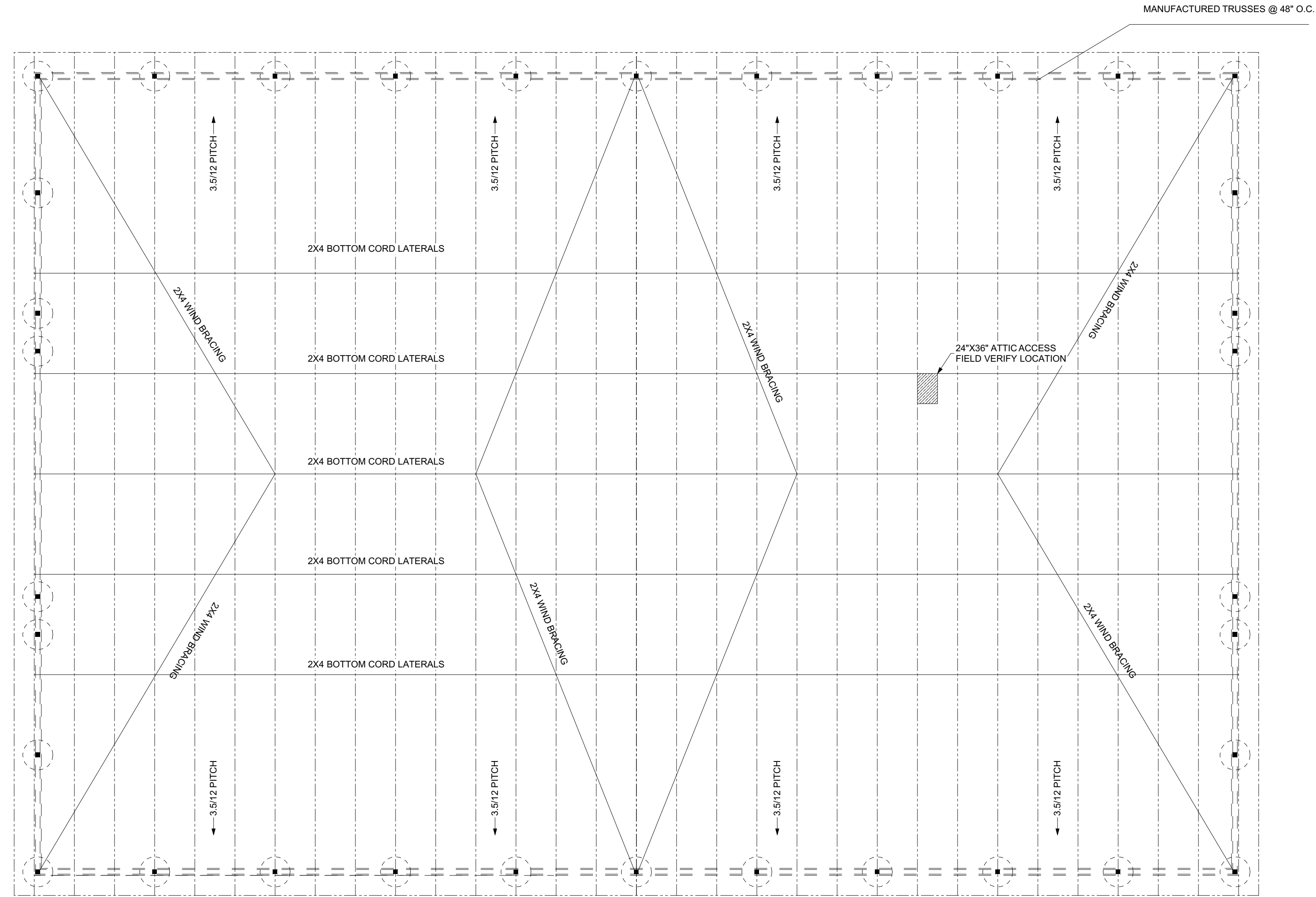
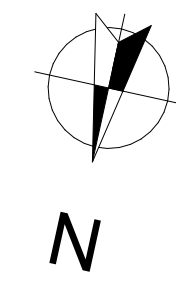
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PREFABRICATED WOOD TRUSSES

- A. TRUSS'S BY OTHERS AND TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS



1 ROOF LAYOUT
SCALE: 1/8" = 1'-0"
0 4' 8' 16'

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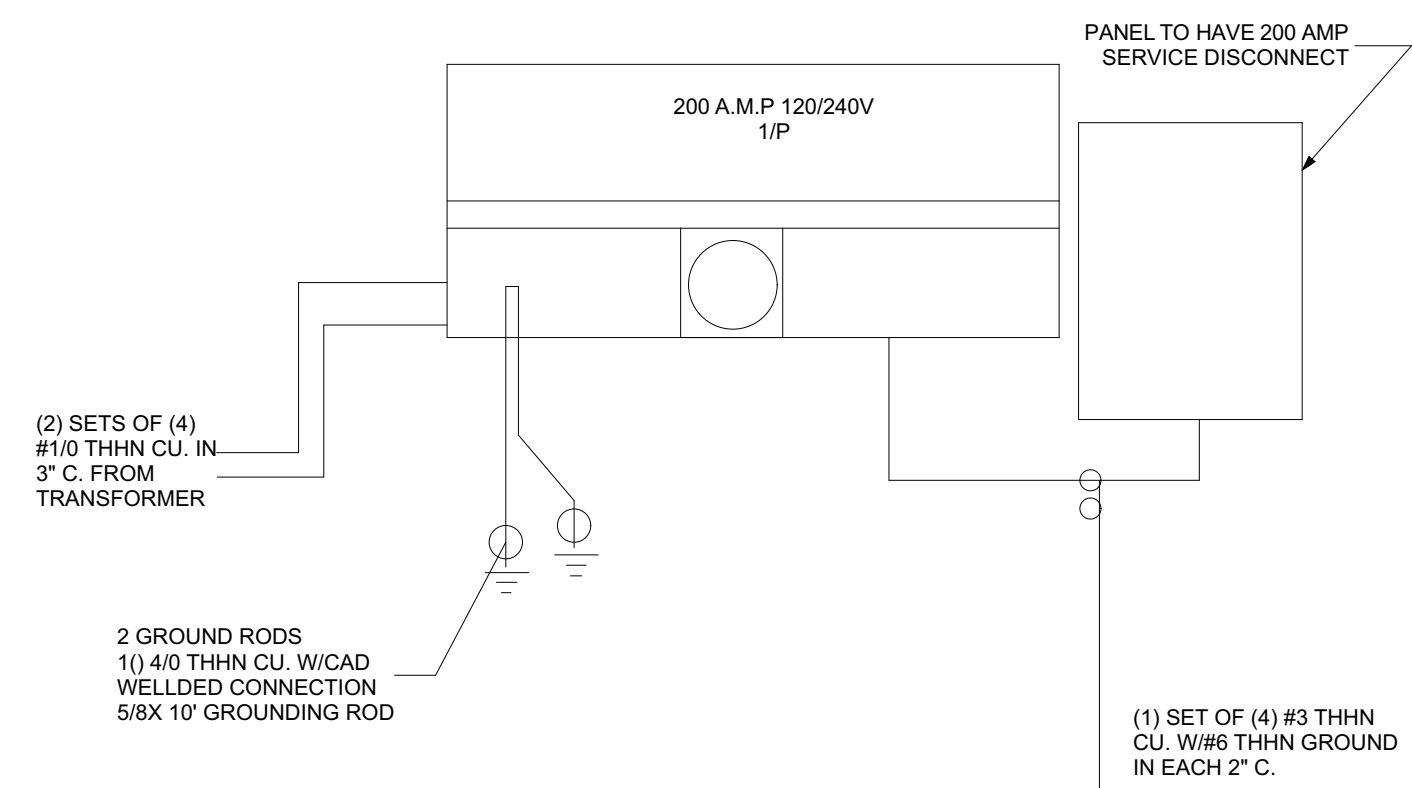
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S-300
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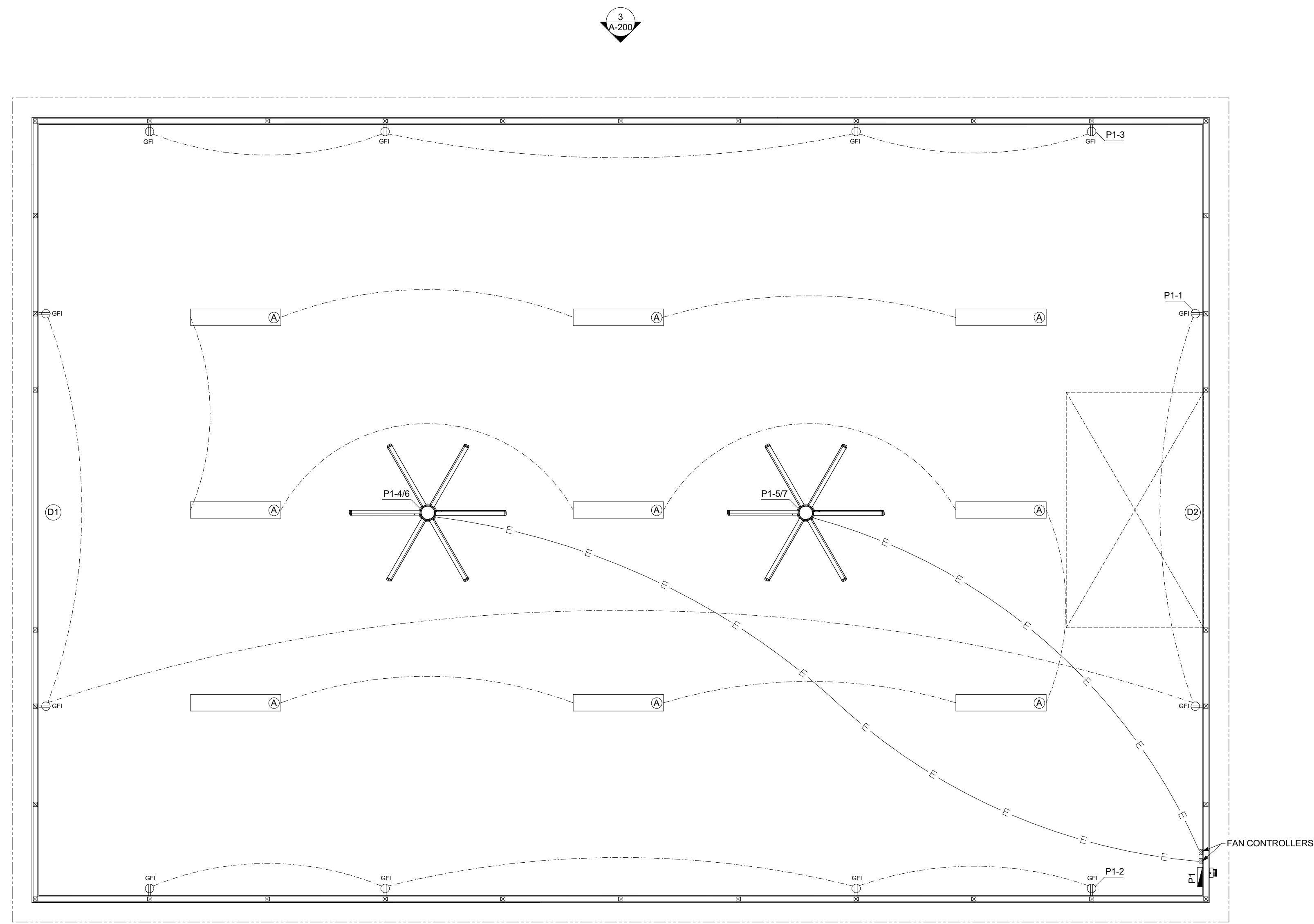
STRUCTURAL FRAMING PLAN

TOTAL CALCULATED VA- 7446										TOTAL CALCULATED AMP- 32										TOTAL SERVICE REQUIRED- 200AMP/240V									
PANEL SCHEDULE										PANEL INFO: 30 SPACE/ 60 CIRCUIT										120/ 240 VAC SINGLE PHASE 200 AMP SERVICE WIRE: 4-4-2 SER CABLE									
(P1)																													
WIRE	NUE	GND	DESCRIPTION	CB	VA	CKT#	PHASE	CKT#	VA	CB	DESCRIPTION	GND	NUE	WIRE	DESCRIPTION	GND	NUE	WIRE											
12	12	12	WEST & EAST WALL RECEPTICALS	20	1500	01	A	02	1500	20	NORTH WALL RECEPTICALS	12	12	12	GENERAL LIGHTING	14	14	14											
12	12	12	SOUTH WALL RECEPTICALS	20	1500	03	B	04	720	15	GENERAL LIGHTING	14	14	14															
14	14		16" BAF CEILING FAN	15	912	05	A	06	912	15	16" BAF CEILING FAN	14	14	14															
14			16" BAF CEILING FAN	15	912	07	B	08	912	15	16" BAF CEILING FAN																		
			BLANK	-	-	09	A	10	-	-	BLANK																		
			BLANK	-	-	11	B	12	-	-	BLANK																		
			BLANK	-	-	13	A	14	-	-	BLANK																		
			BLANK	-	-	15	B	16	-	-	BLANK																		
			BLANK	-	-	17	A	18	-	-	BLANK																		
			BLANK	-	-	19	B	20	-	-	BLANK																		
			BLANK	-	-	21	A	22	-	-	BLANK																		
			BLANK	-	-	23	B	24	-	-	BLANK																		
			BLANK	-	-	25	A	26	-	-	BLANK																		
			BLANK	-	-	27	B	28	-	-	BLANK																		
			BLANK	-	-	29	A	30	-	-	BLANK																		

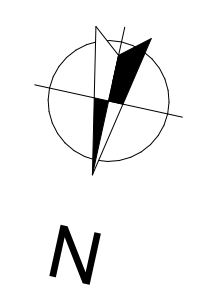
ELECTRICAL LEGEND	
SYMBOL	DESCRIPTION
	ELECTRICAL PANEL
	120V DUPLEX RECEPTACLE GROUND FAULT INTERRUPTED
	8' DUST PROOF/ EXPLOSION PROOF LED LIGHT FIXTURE
	16" BAF POWERFOIL-D 240V 1.5HP 7.5A
	CAT5 CABLE
	ELECTRIC METER DISCONNECT



2 METER DISCONNECT DETAIL
SCALE: 3/16" = 1'-0"



1 ELECTRICAL LAYOUT
SCALE: 1/8" = 1'-0"



MERKHEIT DRAFTING
 82408 WALKER SCHOOL RD.
 CADIZ, OHIO 43907

**PRELIMINARY
 NOT FOR
 CONSTRUCTION**

SEAL

RICHWOOD FAIR LIVESTOCK ARENA
 1 GILL STREET
 RICHWOOD, OHIO 43344
 UNION COUNTY

← 1" ACTUAL →

IF THE ABOVE DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING WILL HAVE BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES.

Date: 3/4/2026
 Scale: AS NOTED
 Job: 23-
 Sheet

E-100
 Plotted On: 3/4/2026

ELECTRICAL PLAN