



REQUEST FOR BID FOR
C.T.E Pole Barn Completion Project-
GC/CM Services

DUNDEE COMMUNITY SCHOOLS
MONROE COUNTY, MICHIGAN

WALK-THROUGH:
Thursday July 16,2026 10 A.M.

BID OPENING:
Wednesday July 22, 2026 10:00 A.M.

DUNDEE COMMUNITY SCHOOLS
DISTRICT BOARD OF EDUCATION

Mr. Christian Freshour, President
Mr. Keith Pilbeam, Vice President
Mrs. Jacey Carner, Secretary
Mrs. Tara McKenzie, Treasurer
Mrs. Patricia Motylinski, Trustee
Mrs. Crystal Root, Trustee
Mrs. Kimberly Wilkins, Trustee

Mr. Scott Leach, Superintendent
Mrs. Kimberly Worden, Shared-Time Business Manager

Dundee Community Schools

REQUEST FOR BID

**C.T.E Pole Barn Completion Project- GC/CM
Services**

SCHOOL YEAR: 2026-2027

The Board of Education for the Dundee Community Schools is seeking bids for a C.T.E Pole Barn Completion Project- GC/CM Services

Sealed bids will be received according to the following instructions:

GENERAL CONDITIONS

1. A walk-through at Dundee Community Schools High School will be held on **Thursday July 16, 2026 at 10:00 A.M located at 130 Viking Dr. Dundee Mi, 48131 on the North Service Drive; located behind the High School.**
2. Sealed bids will be received at the Dundee Community Schools 420 Ypsilanti St. Dundee, MI 48131 on or before **10:00 A.M. (EST) Wednesday July 22, 2026. NO LATE BIDS WILL BE ACCEPTED. BIDS WILL BE OPENED AT 10:00 A.M. (EST) ON Wednesday July 22, 2026.**
3. All bids must be in a sealed envelope and clearly marked "**C.T.E Pole Barn Completion Project- GC/CM Services**" on the face of the envelope carrying said bid, and are to be addressed to:

**Kimberly Worden,
Shared-Time Business Manager
Dundee Community Schools
420 Ypsilanti St.
Dundee, MI 48131**

**Any questions concerning the bid should be directed to David Todd,
David.Todd@dundeeshools.org**

4. Bids are to be submitted to fully comply with all aspects in the specifications. Any deviation from what is listed is to be noted on your bid or the bid shall be considered rejected.

5. Dundee Community Schools reserves the right to reject any or all proposals and bids, including that of the lowest bidder; or to accept bids either in whole or in part; to award contracts by individual items or by lump sum total; or to waive any informalities, defects or omissions in any bid, should it be deemed to be in the best interest of Dundee Community Schools to do so.
6. Bids shall be binding for sixty (60) days from bid opening and prices will be binding for the length of the contract.
7. Awarding of the bid is pending final approval of purchase from Dundee Community Schools Board of Education.
8. Timeframe when project could be started and finished by.
9. This project could be subject to prevailing wages depending on source of funds.

PROJECT OVERVIEW

Project Description

The project consists of the completion and finishing of an existing **pole barn**, including coordination of all trades and delivery of a fully operational space. The selected contractor will provide all labor, materials, equipment, supervision, and construction management services necessary to complete the project. The contractor will serve as both:

- **General Contractor (GC)**
- **Construction Manager (CM)**

Project intent: Deliver a complete, fully functional installation with no outstanding deficiencies at project closeout.

SCOPE OF WORK

1. GC/CM SERVICES

- Manage all trades and subcontractors
- Develop and maintain project schedule
- Procure materials and equipment
- Provide site supervision and safety oversight
- Coordinate inspections and approvals

The contractor is responsible for all work required whether specifically listed or reasonably inferred.

2. PRE-CONSTRUCTION

- Field verification of existing conditions
 - Constructability review
 - Project planning and coordination
-

3. CONSTRUCTION WORK

The Contractor shall provide a complete project including:

- Framing completion and purlin installation
 - Spray foam insulation system
 - Interior liner panels (walls and ceiling)
 - Trim, closures, and finishing components
 - Window finishing (metal wrap and J-channel)
 - Divider wall double entry door installation
 - (2) front garage door opener installations
 - Heating system installation
 - Electrical system installation
 - Concrete slab and exterior approach
 - Excavation and trenching
 - Site protection and cleanup
-

4. GENERAL REQUIREMENTS

- Maintain a clean and safe jobsite
 - Protect all existing surfaces and materials
 - Provide all equipment, lifts, and access
 - Coordinate work to minimize disruption
-

5. SITE CONDITIONS

- Contractor shall verify all existing conditions
 - All costs related to identifiable conditions shall be included in bid
-

6. PROJECT CLOSEOUT

- Complete punch list items
 - Clean project site
 - Deliver fully operational building
-

PROPOSAL REQUIREMENTS

Submit:

- Company qualifications
 - Project approach and schedule
 - Itemized cost breakdown
 - Lead times
 - References
 - Proof of insurance
-

CONTRACT TERMS

- Contract will be awarded as a **Guaranteed Maximum Price (GMP)**

GMP Includes:

- Labor
- Materials
- Equipment

- Subcontractors
- Overhead and Profit
- **Contractor shall complete the project not to exceed the GMP, unless approved charges occur**

WARRANTY

- Manufacturer warranties required
- Minimum **one (1) year labor warranty**

Bid Form

Company Name: _____

Contact: _____

Total GMP Bid

\$ _____

Cost Breakdown:

- **Labor:** \$ _____
- **Materials:** \$ _____
- **Subcontractors:** \$ _____
- **Equipment & General Conditions:** \$ _____

Schedule

Start Date: _____

Duration: _____

Name of Company: _____

Address: _____

Phone: _____ Fax: _____

Signature: _____

Printed Name: _____

PROJECT SPECIFICATIONS

1. FRAMING

- Install interior wall framing
 - Provide:
 - 2x4 wall framing
 - 2x6 treated skirt board
 - Install purlins to support interior liner panels
-

2. INSULATION (SPRAY FOAM)

- Walls: 2"–2.5" closed cell spray foam
 - Ceiling: 6" open cell spray foam
-

3. INTERIOR FINISH

- Install **white metal liner panels**:
 - Walls
 - Ceiling
 - Include all:
 - Trim
 - Fasteners
 - Closure strips
-

4. WINDOW FINISH

- Install metal wrap and J-channel at all windows
-

5. DOORS & OPENERS

- Install steel double entry door at divider wall
 - Install (2) garage door openers at front of barn
-

6. CONCRETE

- Interior slab: **50' x 60', 5" thick**
 - Rat walls: **18" deep**
 - Exterior approach: **31' x 60', 6" thick**
-

7. EXCAVATION

- Trenching for:
 - Gas line
 - Electrical service
-

8. ELECTRICAL

- Provide complete system per RFP requirements
- All wiring in EMT
- Install all devices, fixtures, and panels

ELECTRICAL SYSTEM (DETAILED)

- All wiring shall be installed in **EMT conduit**

Provide and install:

Power:

- 200 amp feed from school main panel

Devices:

- 30 outlet boxes and receptacles
- 2 – 50A 240V receptacles
- 2 garage door opener receptacles

Lighting:

- 18 high bay LED fixtures
- 2 exterior wall pack lights

Emergency Lighting:

- 2 exit lights
 - 2 remote heads
 - System shall be fully operational and code-compliant
-

9. HEATING

- Install tube heater system
- Install gas piping and regulators
- Provide thermostats and controls

HEATING SYSTEM

- Provide and install:
 - (2) two-stage tube heaters, 40 feet each
 - Sidewall venting and combustion air intakes
 - (2) thermostats with control wiring
 - Install:
 - 1" underground gas line from meter to building
 - Interior gas piping and regulators
 - System shall be complete, tested, and operational
-

10. TRIM & ACCESSORIES

- Provide all trim, closures, fasteners, and sealants required
-

11. SITE PROTECTION & CLEANUP

- Protect all building surfaces
 - Maintain clean jobsite
 - Remove debris
-

12. FINAL COMPLETION

- Deliver fully complete and operational pole barn
-

13. WARRANTY

- Manufacturer warranties
- Minimum 1-year labor

DUNDEE COMMUNITY SCHOOLS
C.T.E Pole Barn Completion Project- GC/CM
Services
BID FORM
Acknowledgement of Authority to Bid

My signature certifies that the proposal as submitted complies with all Terms and Conditions set forth in this RFB. My signature also certifies that the accompanying proposal is not the result of, or affected by, any unlawful at of collusion with another person or company engaged in the same line of business or commerce or any act of fraud. Furthermore, I understand that fraud and unlawful collusion are crimes under Federal Law and can result in fines, prison sentences and civil damages awards.

I hereby certify that I am authorized to sign as a representative for the following firm:

Firm Name: _____

Firm Address: _____

Signature: _____

Printed Name: _____

Business Phone: _____ Cellular Phone: _____

CERTIFICATION OF COMPLIANCE – IRAN ECONOMIC SANCTIONS ACT
Michigan Public Act No. 517 of 2012

The undersigned, the owner, or authorized officer of the below-named company (the “Company”) hereby certifies, represents, and warrants that the Company (which includes its officers, directors and employees) is not an “Iran Linked Business” within the meaning of the Iran Economic Sanctions Act, Michigan Public Act No. 517 of 2012 (the “Act”), and that in the event the Company is awarded a contract by Dundee Community Schools as a result of an RFP, the Company is not and will not become an “Iran Linked Business” at any time during the course of performing any services under the contract.

The Company further acknowledges that any person who is found to have submitted a false certification is responsible for a civil penalty of not more than \$250,000.00 or two (2) times the amount of the contract or proposed contract for which the false certification was made, whichever is greater, the cost of Dundee Community Schools’s investigation, and reasonable attorney fees, in addition to the fine. Moreover, any person who submitted a false certification shall be ineligible to bid on a request for proposal for three (3) years from the date the it is determined that the person has submitted the false certification.

Name of Company

Name and Title of Authorized Representative

Signature

Date

AFFIDAVIT FAMILIAL RELATIONSHIP
THE AFFIDAVIT SET FORTH BELOW MUST BE EXECUTED ON BEHALF OF
THE VENDOR AND FURNISHED WITH EVERY BID/QUOTE

***The Board of Education will not accept this bid without this completed,
signed and notarized form***

STATE OF: _____

COUNTY OF: _____

_____, *being sworn, says*
(Affiant's printed name)

1. I am the _____ of _____
(title) (vendor bidder)
which has submitted, to **DUNDEE COMMUNITY SCHOOLS,**

a bid for a **C.T.E Pole Barn Completion Project- GC/CM
Services**

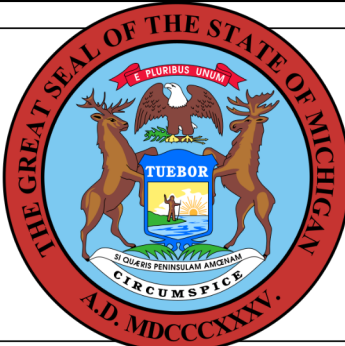
2. I state that there is **NO** familial relationship between the owner or any
employee of above Vendor-Bidder and any member of the Board of Education
or the Superintendent of Dundee Community Schools, said exceptions being
as follows:

Signed: _____

Printed: _____

SWORN TO and subscribed before me, a Notary Public, in and for the above
named state and county this _____ day of _____,
2026. My commission expires on _____.

Signature: _____, Notary Public



FOOTING/FOUNDATION

These documents are approved
for compliance with the
STATE OF MICHIGAN BUILDING CODE
FOOTING/FOUNDATION ONLY
subject to field inspection and the
conditions of approval.

ABBREVIATIONS

AB	ANCHOR BOLT
ACI	AMERICAN CONCRETE INSTITUTE
ACT	ACOUSTICAL CEILING TILE
ADA	AMERICANS WITH DISABILITIES ACT
A.F.F.	ABOVE FINISH FLOOR
A.F.G.	ABOVE FINISH GRADE
A.H.J.	AUTHORITY HAVING JURISDICTION
A.I.A.	AMERICAN INSTITUTE OF ARCHITECTS
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
AIISI	AMERICAN IRON AND STEEL INSTITUTE
ALUM.	ALUMINIUM
ANOD.	ANODIZED
ASD	ALTERNATE STRESS DESIGN
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AWS	AMERICAN WELDING SOCIETY
BF	BARRIER FREE
B.F.F.	BELOW FINISH FLOOR
B.F.G.	BELOW FINISH GRADE
BOT.	BOTTOM
BRG	BEARING
CJ	CONTROL JOINT
CLG	CEILING
CMU	CONCRETE MASONRY UNIT
C.O.	CLEAN OUT
CONC.	CONCRETE
CONT.	CONTINUOUS
CW	COLD WATER
D	DRAIN
DBL	DOUBLE
DCW	DOMESTIC COLD WATER
DEMO.	DEMOLITION
DHW	DOMESTIC HOT WATER
DIA.	DIAMETER
DN	DOWN
DWG	DRAWING
EA.	EACH
EC	ELECTRICAL CONTRACTOR
ECO	EXTERIOR CLEANOUT
ELEC.	ELECTRICAL
ELEV.	ELEVATION
EJ	EXPANSION JOINT
EQ	EQUAL
EXIST.	EXISTING
EXT.	EXTERIOR
F.D.	FLOOR DRAIN
FIN	FINISH
FL	FLOOR
FND	FOUNDATION
FT	FOOT
FTG	FOOTING
FUR.	FURNACE
G	GAS
GA	GAUGE
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
HM	HOLLOW METAL
HOR	HORIZONTAL
HP	HIGH POINT
HR	HOUR
HSS	HIGH STRENGTH STEEL
HT	HEIGHT
HVAC	HEATING, VENTILATING, AIR CONDITIONING
HW	HOT WATER
INT	INTERIOR
INV.	INVERT
K	KIP
LAV.	LAVATORY
LP	LOW POINT
LRFD	LOAD AND RESISTANCE FACTOR DESIGN
MANUF.	MANUFACTURER
MAX.	MAXIMUM
MECH	MECHANICAL
MIN.	MINIMUM
M.O.	MASONRY OPENING
MTL	METAL
N.I.C.	NOT IN CONTRACT
NOM.	NOMINAL
NTS	NOT TO SCALE
O.C.	ON CENTER
OPP	OPPOSITE
OH	OVERHEAD
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PVC	POLYVINYL CHLORIDE
R	RADIUS
RM	ROOM
SAN.	SANITARY
SIM	SIMILAR
SPEC	SPECIFICATIONS
S.S.	SERVICE SINK
STC	SOUND TRANSMISSION COEFFICIENT
STD	STANDARD
STL	STEEL
T&B	TOP & BOTTOM
T&G	TONGUE & GROOVE
TYP.	TYPICAL
U.G.	UNDER GROUND
U.N.O.	UNLESS NOTED OTHERWISE
V	VENT
VIF	VERIFY-IN-FIELD
VTR	VENT THRU ROOF
WC	WATER CLOSET
WD	WOOD
WH	WATER HEATER
WP	WEATHER PROOF
WWF	WELDED WIRE FABRIC

DUNDEE COMMUNITY SCHOOLS

C.T.E. STORAGE BUILDING, DUNDEE HIGH SCHOOL

130 VIKING DRIVE, DUNDEE, MICHIGAN 48131

MONROE COUNTY



BUILDING

These documents are approved
for compliance with the
STATE OF MICHIGAN BUILDING CODE
subject to field inspection and the
conditions of approval.

SITE PLAN
SCALE: 1" = 20'-0"

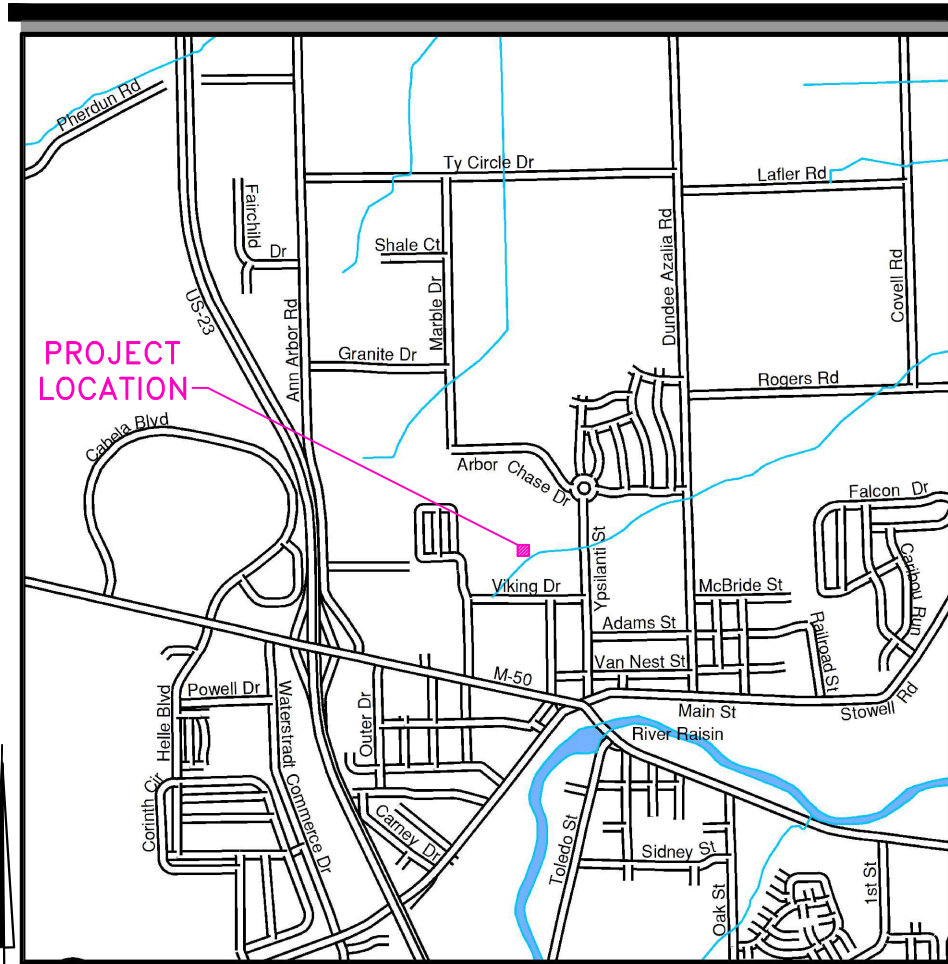
NOTE

THE LOCATION AND ELEVATION OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THESE DRAWINGS ARE ONLY APPROXIMATE. NO GUARANTEE IS EITHER EXPRESSED OR IMPLIED AS TO THE COMPLETENESS OR ACCURACY THEREOF. THE CONTRACTOR SHALL BE EXCLUSIVELY RESPONSIBLE FOR DETERMINING THE EXACT LOCATION AND ELEVATION OF EXISTING UTILITIES AND PROPOSED UTILITY CROSSINGS IN THE FIELD PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IF ANY CONFLICTS ARE APPARENT OR IF THE LOCATION OR DEPTH DIFFERS SIGNIFICANTLY FROM THE PLANS.

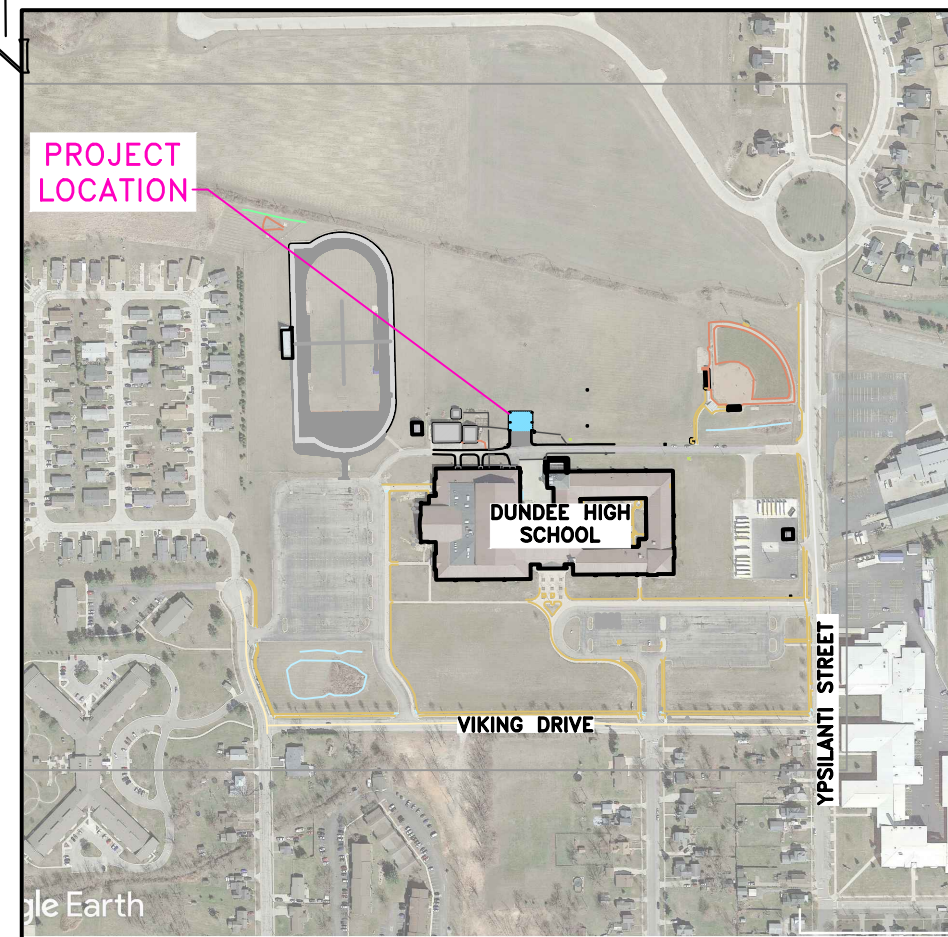
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SITE LOCATION

NTS



LOCATION MAP



OVERALL CAMPUS PLAN
SCALE: NONE

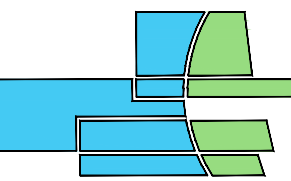
SHEET INDEX

T1.00	TITLE PAGE
A1.00	DESIGN CRITERIA & LIFE SAFETY
A2.00	FLOOR PLAN
A3.00	ELEVATIONS
A4.00	BUILDING SECTIONS & DETAILS
S1.00	FOOTING PLAN & DETAILS
S2.00	FRAMING
S2.01	TRUSS BRACING
C1.00	SITE PLAN
C2.00	SESC PLAN

GRAPHIC SYMBOLS

DOOR NO.	104
WINDOW NO.	MECHANICAL 101
ROOM NAME	
ROOM NUMBER	
BUILDING SECTION	
SHEET NUMBER	
DETAIL SECTION	
SHEET NUMBER	
NORTH ARROW	
DETAIL SHEET NUMBER	
INTERIOR ELEVATION	
SHEET NUMBER	
ADDENDUM	
CHANGE ORDER	

DAVID
ARTHUR
CONSULTANTS, INC.



110 MAIN STREET, DUNDEE MI 48131
PHONE: (734) 823-5080



C.T.E. STORAGE BUILDING

130 VIKING DRIVE, DUNDEE, MICHIGAN, 48131

TITLE PAGE

DEVELOPER/OWNER:



DUNDEE COMMUNITY SCHOOLS
MR. AUGUST OST
MIDDLE SCHOOL PRINCIPAL
420 YPSILANTI STREET
DUNDEE, MICHIGAN 48131
PHONE: (734) 529-2350
FAX: (734) 529-5606

ISSUE	DATE	BY
OWNER REVIEW	05/15/24	JRN
PLAN REVIEW	06/03/24	JRN
BIDDING	06/03/24	JRN
PER OWNER	06/06/24	JRN
PER OWNER	06/06/24	JRN
BULLETIN #1	06/06/24	JRN
DRAWN BY		JRN
REVIEWED BY		JRN

SCALE* AS NOTED

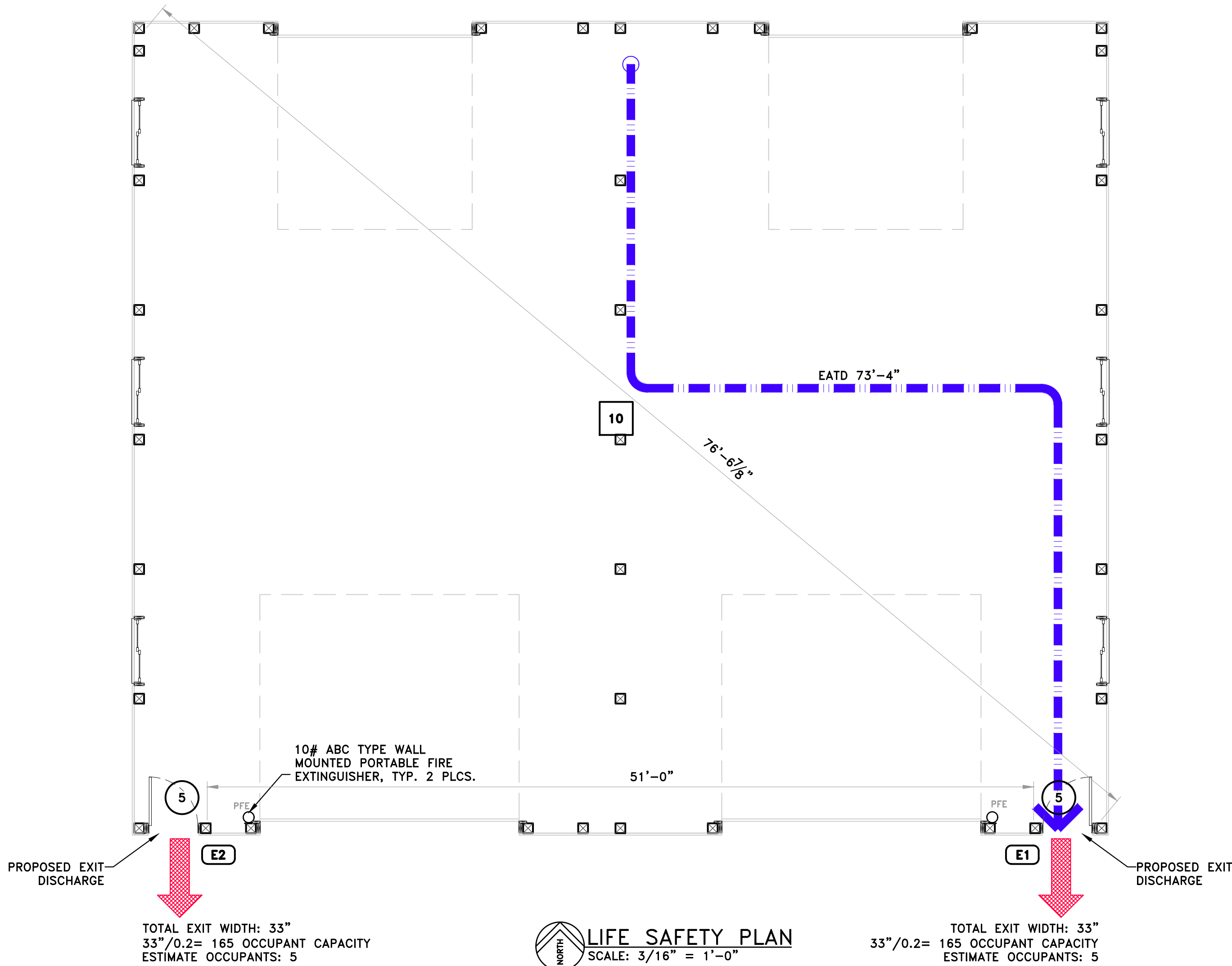
PLOT DATE 6/05/24

JOB NO. 24-D-5345

SHEET NO.

T1.00

CODE & DESIGN CRITERIA				
BUILDING CODE:		MICHIGAN BUILDING CODE 2015 (MBC 2015)		
ELECTRICAL CODE:		NATIONAL ELECTRIC CODE 2023 (NEC-2023)		
		MICHIGAN PART 8 TECHNICAL AMENDMENTS		
ACCESSIBILITY:		ICC/ANSI A117.1-2009 (AS REFERENCED IN MBC 2015)		
FIRE CODE:		INTERNATIONAL FIRE CODE 2015 (IFC-2015, AS REFERENCED IN MBC 2015)		
PROJECT DESCRIPTION:				
		OVERFLOW STORAGE BUILDING SHELL FOR HIGH SCHOOL CTE PROGRAMS, NON-CONDITIONED, INFREQUENTLY OCCUPIED, W/O ELECTRICAL CONNECTION		
USE GROUP(S):		S-1 (NS) MODERATE HAZARD STOR.		MBC CHAPTER 3
SEPARATION:		SINGLE USE		
RISK CATEGORY:		II		MBC TABLE 1604.5
TYPE OF CONSTRUCTION:		VB		MBC SECTION 602
BUILDING AREA:		MAIN FLOOR: 3000 S.F.		
ALLOWABLE BUILDING HEIGHTS AND AREAS		S-1 (NS)		MBC CHAPTER 5
HEIGHT		ALLOWED: 40/1 FT/STORIES		MBC TBL 504.3 & 504.4
		ACTUAL: 22'-7"/1 FT/STORIES		
AREA - GENERAL:		ALLOWED: 9000 S.F.	COMPLIES	MBC TABLE 506.2
FIRE RESISTANT CONSTRUCTION				
BEARING WALLS:		HOURS		MBC TABLE 601 <



LEGEND

X OCCUPANT LOAD AT EXIT

X SPACE OCCUPANT LOAD

EATD = EXIT ACCESS TRAVEL DISTANCE

DAVID
ARTHUR
CONSULTANTS, INC.

110 MAIN STREET, DUNDEE MI 48131
PHONE: (734) 823-5080



C.T.E. STORAGE BUILDING

130 VIKING DRIVE, DUNDEE, MICHIGAN, 48131

DESIGN CRITERIA &
LIFE SAFETY

DEVELOPER/OWNER:

DUNDEE COMMUNITY SCHOOL
MR. AUGUST OST, PRINCIPAL
420 YPSILANTI STREET
DUNDEE, MICHIGAN 48131
PHONE: (734) 529-2350
FAX: (734) 529-5606

ISSUE	ITEM	REVIEW	DATE	BY
	OWNER REVIEW	PLAN REVIEW	03/19/24	JRN
	BIDDING	PLAN REVIEW	04/03/24	JRN
	PER OWNER	PER OWNER	05/06/24	JRN
	PER OWNER	PER OWNER	05/05/24	JRN
	BULLETIN #1		05/05/24	JRN
	DRAWN BY			JRN
	REVIEWED BY			DAVID JRN

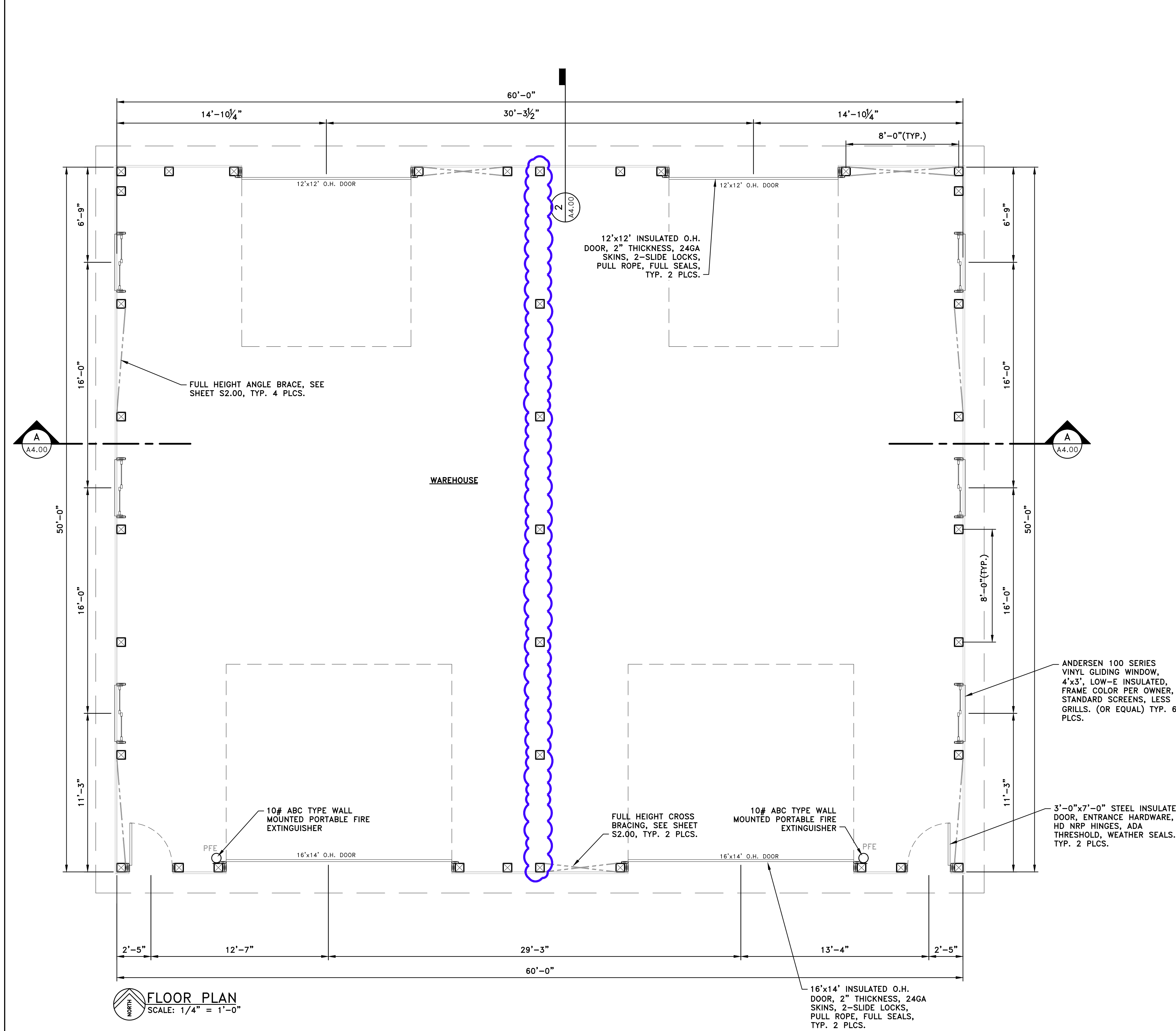
SCALE*	AS NOTED
PLOT DATE	6/05/24
JOB NO.	24-D-5345
SHEET NO.	

A1.00

BUILDING

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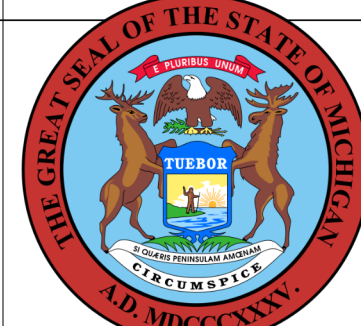
FLOOR PLAN
SCALE: 1/4" = 1'-0"

A

WALL LEGEND

EXTERIOR WALL: 8x8 TREATED POSTS @ 8' O.C., 2x4 GIRTS @ 24" O.C. VERT., TYVEK BUILDING WRAP, 26ga METAL SIDING

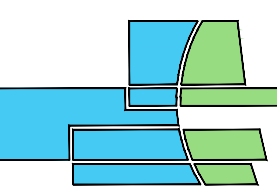
- GENERAL NOTES:**
- ALL CONSTRUCTION TO BE IN ACCORDANCE WITH THE CODES AS NOTED IN THE DESIGN CRITERIA.
 - ASBESTOS-FREE PRODUCT INSTALLATION NOTES:
A. IT IS HEREBY UNDERSTOOD AND AGREED THAT NO PRODUCT AND/OR MATERIAL CONTAINING ASBESTOS, INCLUDING CHRYSOLITE, AMOSTITE, CROCIDOLITE, TEMOLITE ASBESTOS, ANTHOPHYLITE ASBESTOS, ACTINOLITE ASBESTOS AND ANY COMBINATION OF THESE MATERIALS THAT HAVE BEEN CHEMICALLY TREATED AND/OR ALTERED SHALL BE INSTALLED OR INTRODUCED INTO THE WORK BY THE CONTRACTOR OR HIS EMPLOYEES, AGENTS, SUBCONTRACTORS OR OTHER INDIVIDUALS OR ENTITIES OVER WHOM THE CONTRACTOR HAS CONTROL. THE CONTRACTOR MAY BE REQUIRED TO SIGN A CERTIFICATION STATEMENT ENSURING THAT ALL PRODUCTS OR MATERIALS INSTALLED OR INTRODUCED INTO THE WORK WILL BE ASBESTOS-FREE.
B. THE CONTRACTOR SHALL ALSO BE REQUIRED TO FURNISH CERTIFIED STATEMENTS FROM THE MANUFACTURERS OF SUPPLIED MATERIALS USED DURING THE CONSTRUCTION VERIFYING THEIR PRODUCTS TO BE ASBESTOS-FREE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 8.4.3.1
C. THE CONTRACTOR MAY BE REQUIRED TO COMPLETE AND SUBMIT TO THE OWNER A CERTIFICATION EVIDENCING ASBESTOS-FREE PRODUCT INSTALLATION PRIOR TO ISSUANCE OF THE FINAL CERTIFICATION FOR PAYMENT IN A FORM ACCEPTABLE TO OWNER AND ARCHITECT.
 - THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER IMMEDIATELY IF ANY DISCREPANCIES ARE FOUND WITHIN THESE PLANS, WITH CURRENT SITE CONDITIONS, OR WITH ANY MANUFACTURER RECOMMENDED INSTALLATION DETAILS OR INFORMATION. CONSTRUCTION SHALL NOT PROCEED UNLESS A DETERMINATION IS GIVEN TO WHICH DIRECTION IS INTENDED.
 - WHERE THESE DRAWINGS ARE IN CONFLICT WITH MANUFACTURER STANDARD SPECIFICATIONS, DETAILS OR INSTALLATION RECOMMENDATIONS, OR MAY AFFECT ANY WARRANTY OR GUARANTEE FROM THE MANUFACTURER, THE CONTRACTOR SHALL PROVIDE CHANGES TO THE ARCHITECT/ENGINEER FOR REVIEW AND APPROVAL. WORK SHALL NOT CONTINUE ON SUCH ITEMS UNTIL APPROVAL IS GIVEN BY THE ARCHITECT/ENGINEER.
 - THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL SITE SAFETY AND MEANS AND METHODS THROUGHOUT THE PROJECT. PEDESTRIANS, PUBLIC AND ANY OTHER PERSONS NEAR THE CONSTRUCTION SHALL BE PROTECTED FROM THE CONSTRUCTION AREA THROUGH USE OF CONSTRUCTION BARRIERS. BARRIERS AND OTHER PROTECTION MEASURES SHALL BE PROVIDED AND INSTALLED IN ACCORDANCE WITH MBC SECTION 33. IF THE EXACT LOCATION OF THE PROTECTION FENCING IS NOT NOTED WITHIN THE CONSTRUCTION DOCUMENTS, THE FENCE SHALL BE PLACED AT THE EDGE OF THE CONSTRUCTION AREA.
 - OPENINGS IN ROOF SHALL BE PROTECTED AROUND THE PERIMETER OF THE OPENING TO PREVENT ACCESS BY ANY PERSON IN THE AREA OF SUCH OPENING.
 - PORTABLE FIRE EXTINGUISHER(S), SURFACE MOUNTED, MIN. 5# ABC TYPE, SHALL BE PROVIDED ON SITE DURING CONSTRUCTION. EXACT LOCATION SHALL BE COORDINATED WITH THE BUILDING OFFICIAL.
 - NO HAZARDOUS MATERIALS ARE TO BE STORED WITHIN OR AROUND THE BUILDING. THERE SHALL BE NO HIGH-PILED COMBUSTIBLE STORAGE (COMBUSTIBLE MATERIALS STORED 12' ABOVE FINISH FLOOR)
 - DEFERRED SUBMITTAL TO INCLUDE:
- TRUSS DESIGN DRAWINGS
THESE ITEMS WILL BE SUBMITTED TO THE BUILDING OFFICIAL AS SOON AS THEY ARE RECEIVED AND REVIEWED AND SIGNED BY THE DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE.
 - ENERGY CODE - WINDOWS TO HAVE MAX. U-FACTOR=0.32, ALL SWING DOORS TO HAVE MAXIMUM U-FACTOR=0.50
 - ALL ROOFING AND SIDING MATERIAL TO BE HAVE SHEAR DIAPHRAGM RATING. INSTALLATION SHALL BE IN ACCORDANCE TO THE MANUFACTURER'S REQUIREMENTS. PANEL GAUGE TO BE ADJUSTED AS REQUIRED TO PROVIDE SHEAR DIAPHRAGM REQUIREMENTS BASED ON MANUFACTURER.
 - IN ACCORDANCE WITH MBC CHAPTER 17, BELOW ARE THE REQUIRED SPECIAL INSPECTIONS AND TEST(S) REQUIRED FOR THIS PROJECT:
- NONE



BUILDING

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DAVID ARTHUR CONSULTANTS, INC.

110 MAIN STREET, DUNDEE MI 48131
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C.T.E. STORAGE BUILDING
130 VIKING DRIVE, DUNDEE, MICHIGAN, 48131

FLOOR PLAN

DEVELOPER/OWNER:
DUNDEE COMMUNITY SCHOOL
MR. AUGUST OST
MIDDLE SCHOOL PRINCIPAL
420 YPSILANTI STREET
DUNDEE, MICHIGAN 48131
PHONE: (734) 529-2350
FAX: (734) 529-5606



ISSUE		DATE	BY
OWNER REVIEW	03/15/24	JRN	
PLAN REVIEW	04/03/24	JRN	
BIDDING	04/03/24	JRN	
PER OWNER	05/09/24	JRN	
PER OWNER	05/09/24	JRN	
BULLETIN #1	05/09/24	JRN	
DRAWN BY	JRN		
REVIEWED BY	DAVID JRN		

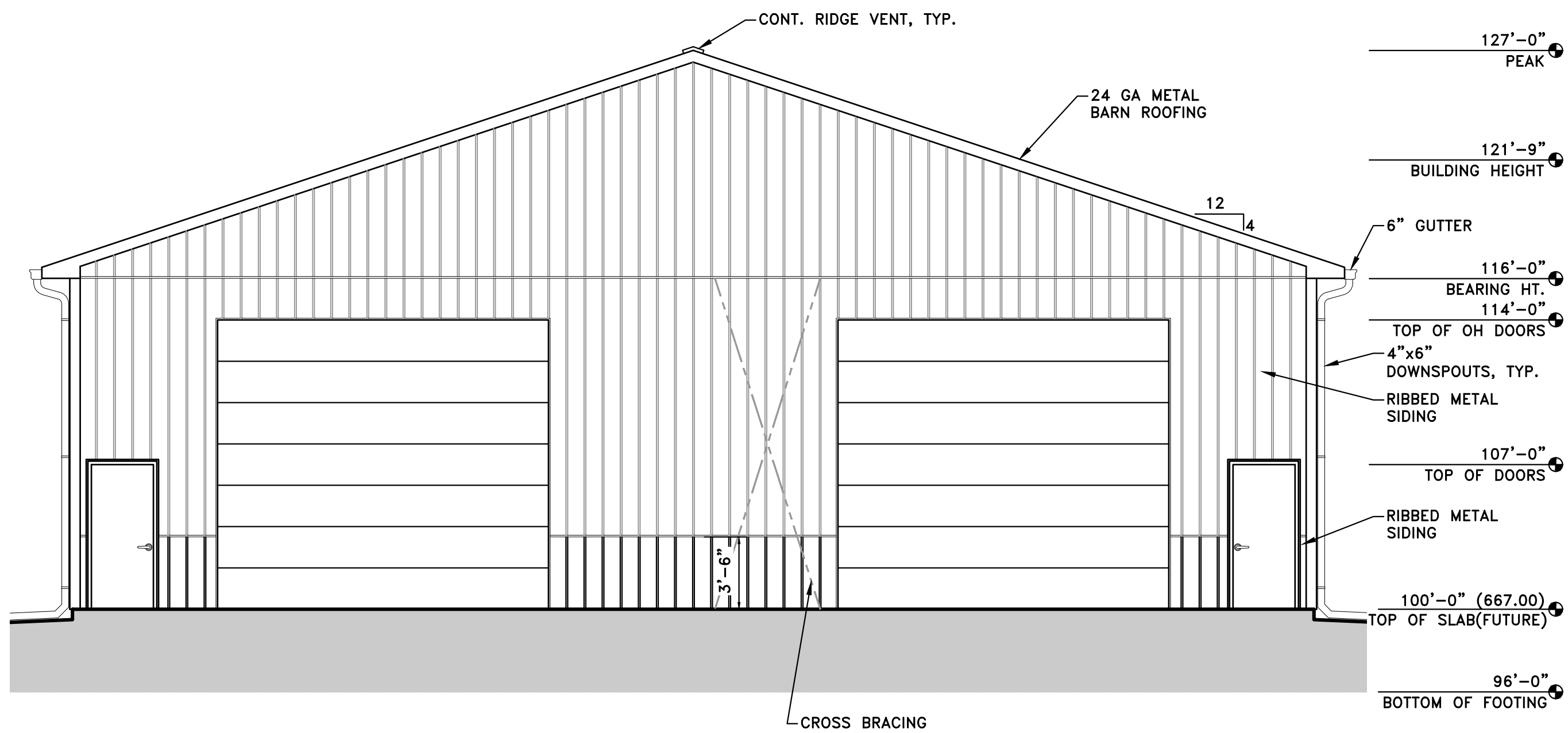
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PLOT DATE 6/05/24

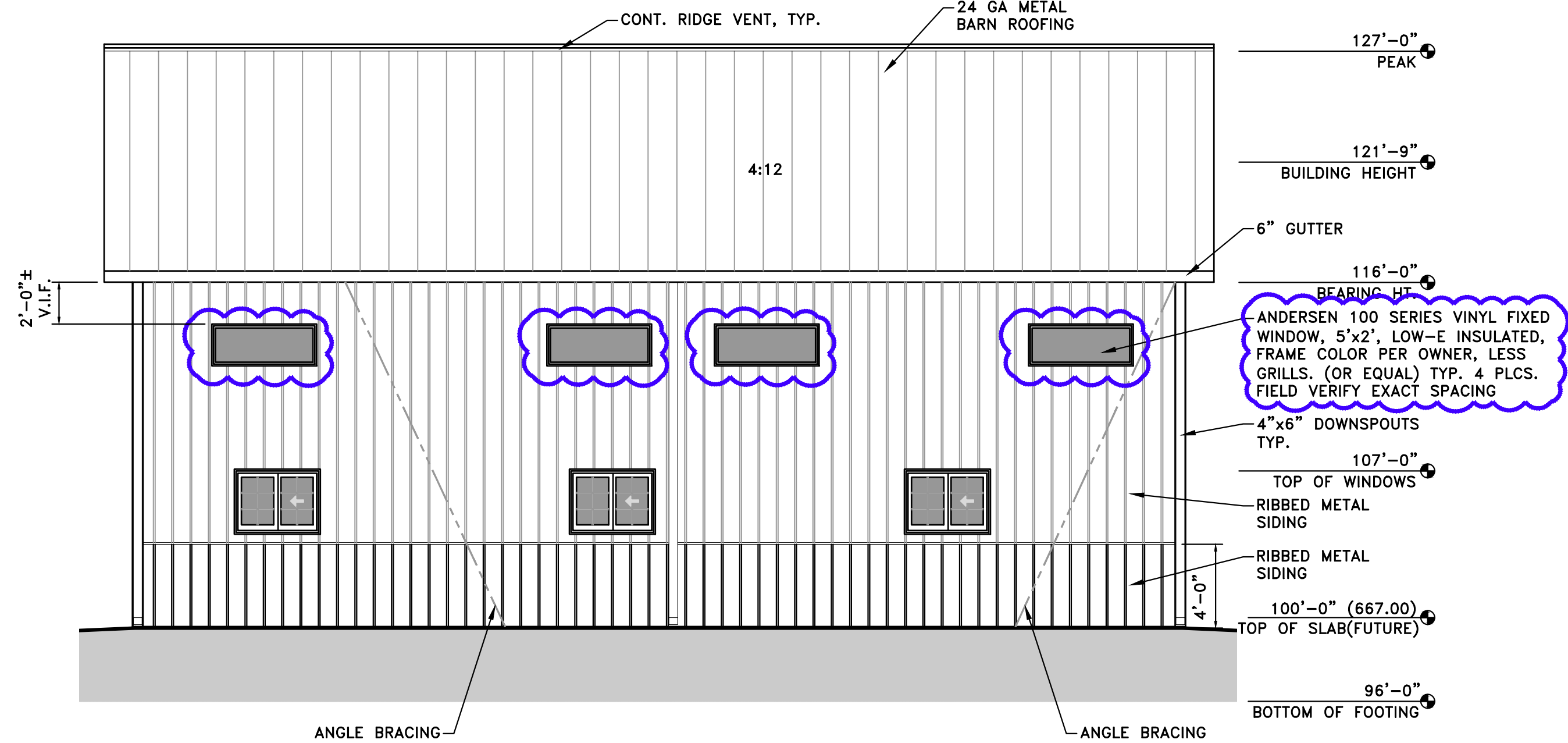
JOB NO. 24-D-5345

SHEET NO.

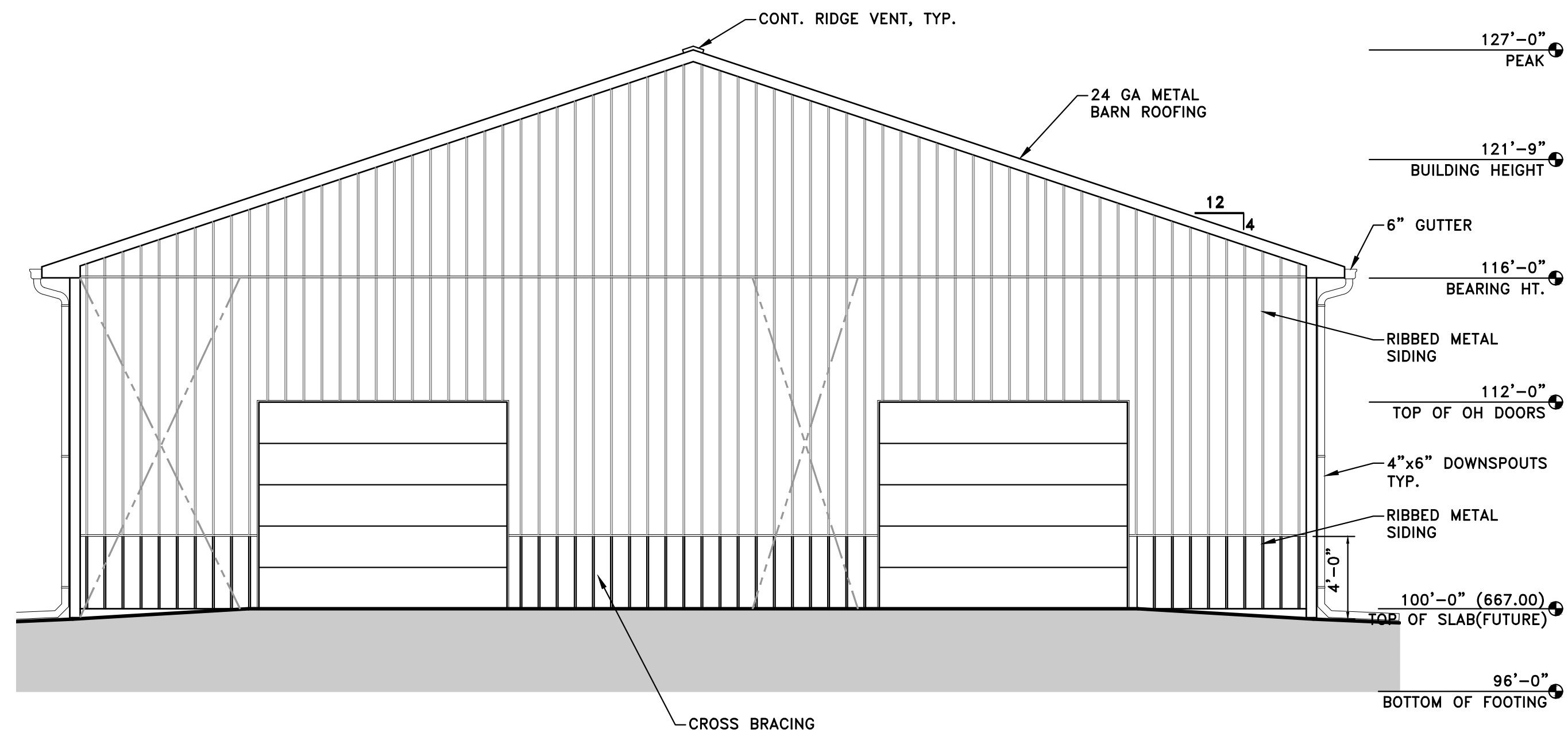
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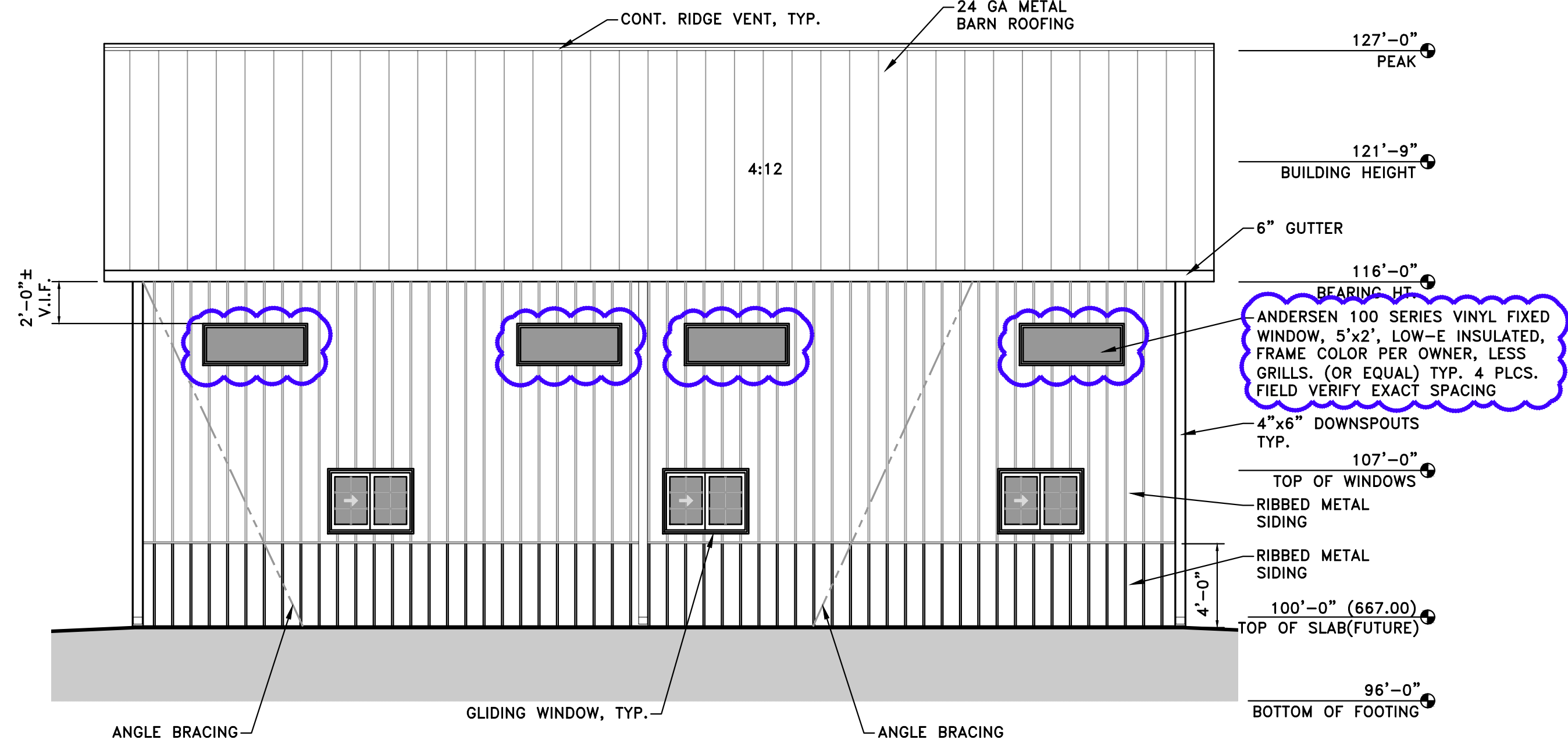
SOUTH ELEVATION
SCALE: 3/16" = 1'-0"



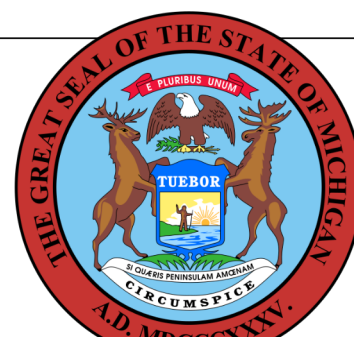
EAST ELEVATION
SCALE: 3/16" = 1'-0"



NORTH ELEVATION
SCALE: 3/16" = 1'-0"



WEST ELEVATION
SCALE: 3/16" = 1'-0"



BUILDING

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C.T.E. STORAGE BUILDING

130 VIKING DRIVE, DUNDEE, MICHIGAN, 48131

ELEVATIONS

DEVELOPER/OWNER:

DUNDEE COMMUNITY SCHOOL
MR. AUGUST OST, PRINCIPAL
420 YPSILANTI STREET
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FAX: (734) 529-5806

ISSUE	DATE	BY
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PER OWNER	05/09/24	JRN
BULLETIN #1	05/09/24	JRN
DRAWN BY		JRN
REVIEWED BY		DAVID ARN

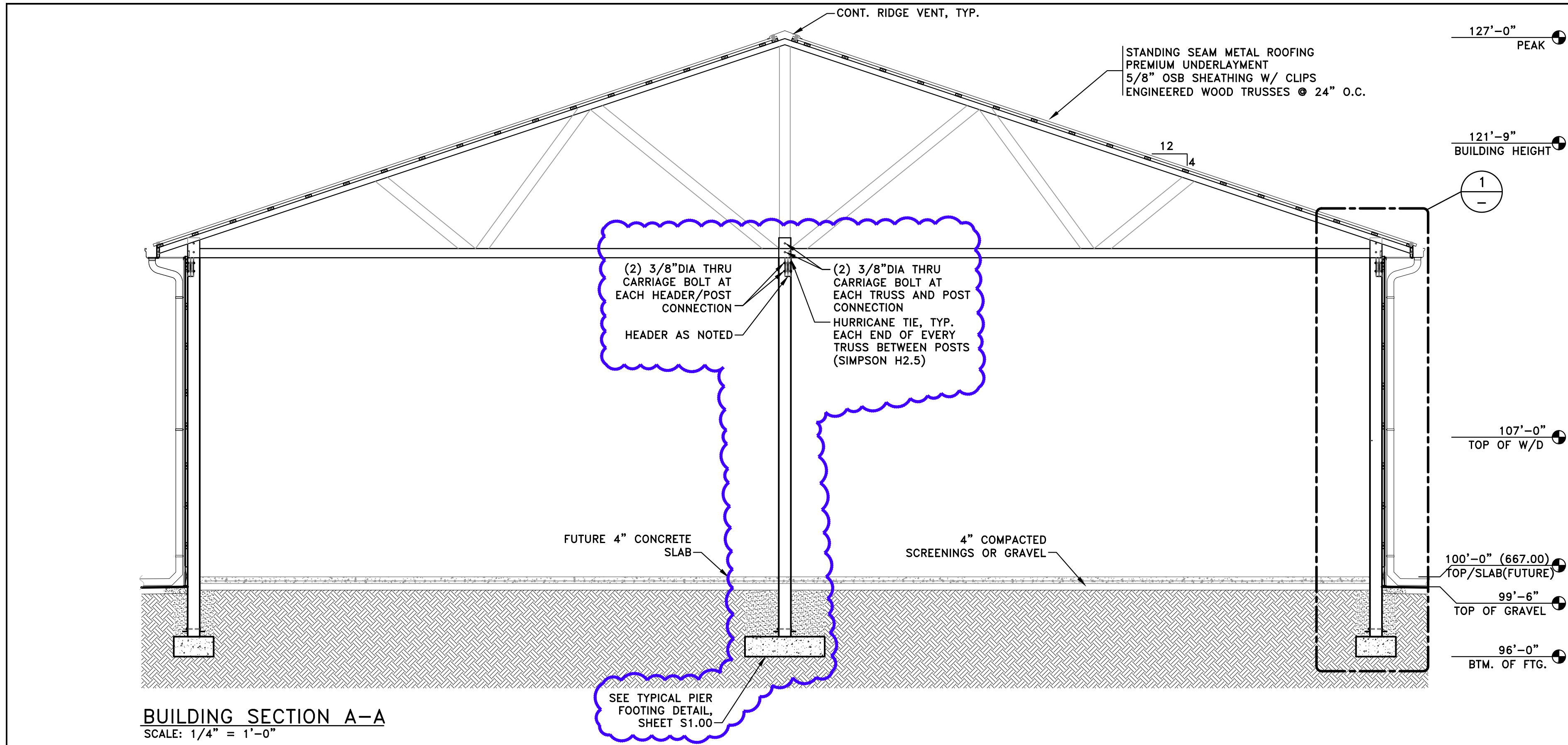
SCALE* AS NOTED

PLOT DATE 6/05/24

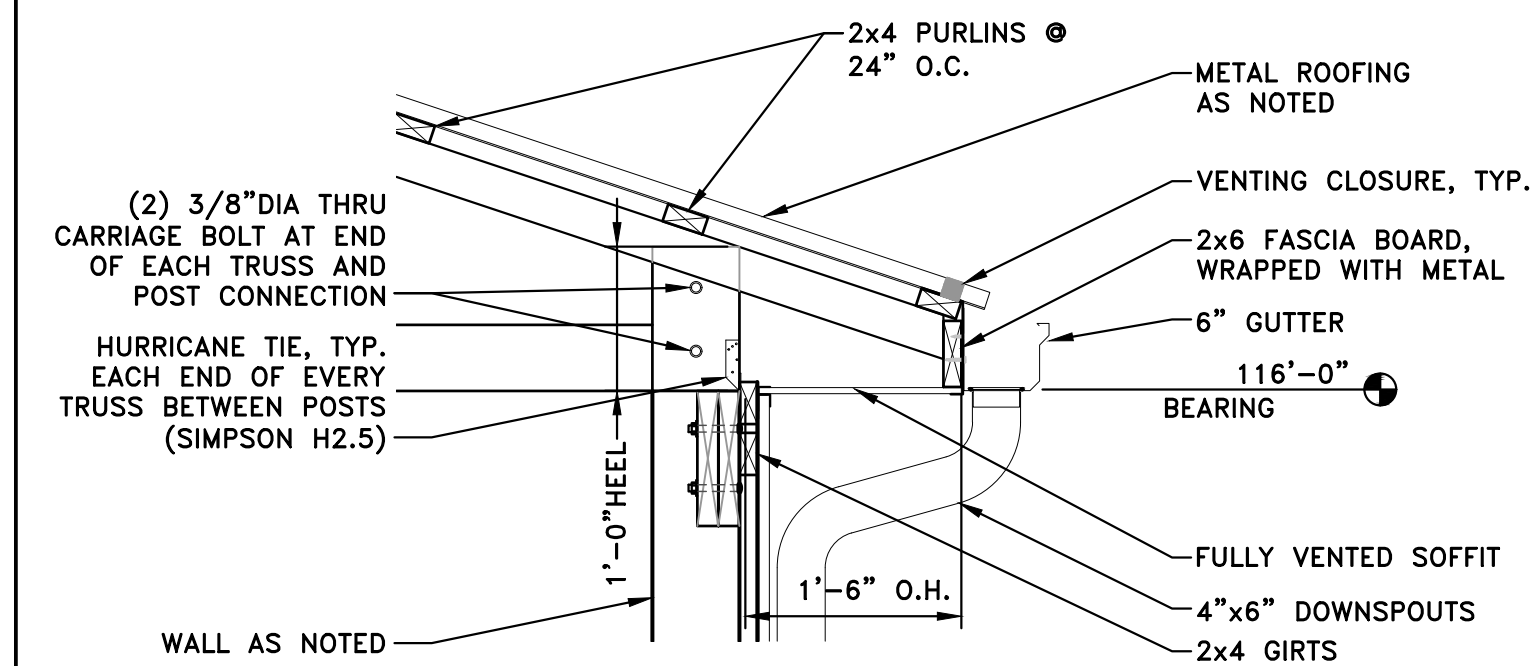
JOB NO. 24-D-5345

SHEET NO.

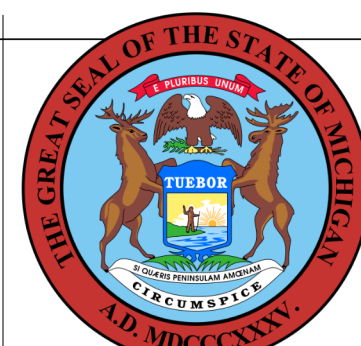
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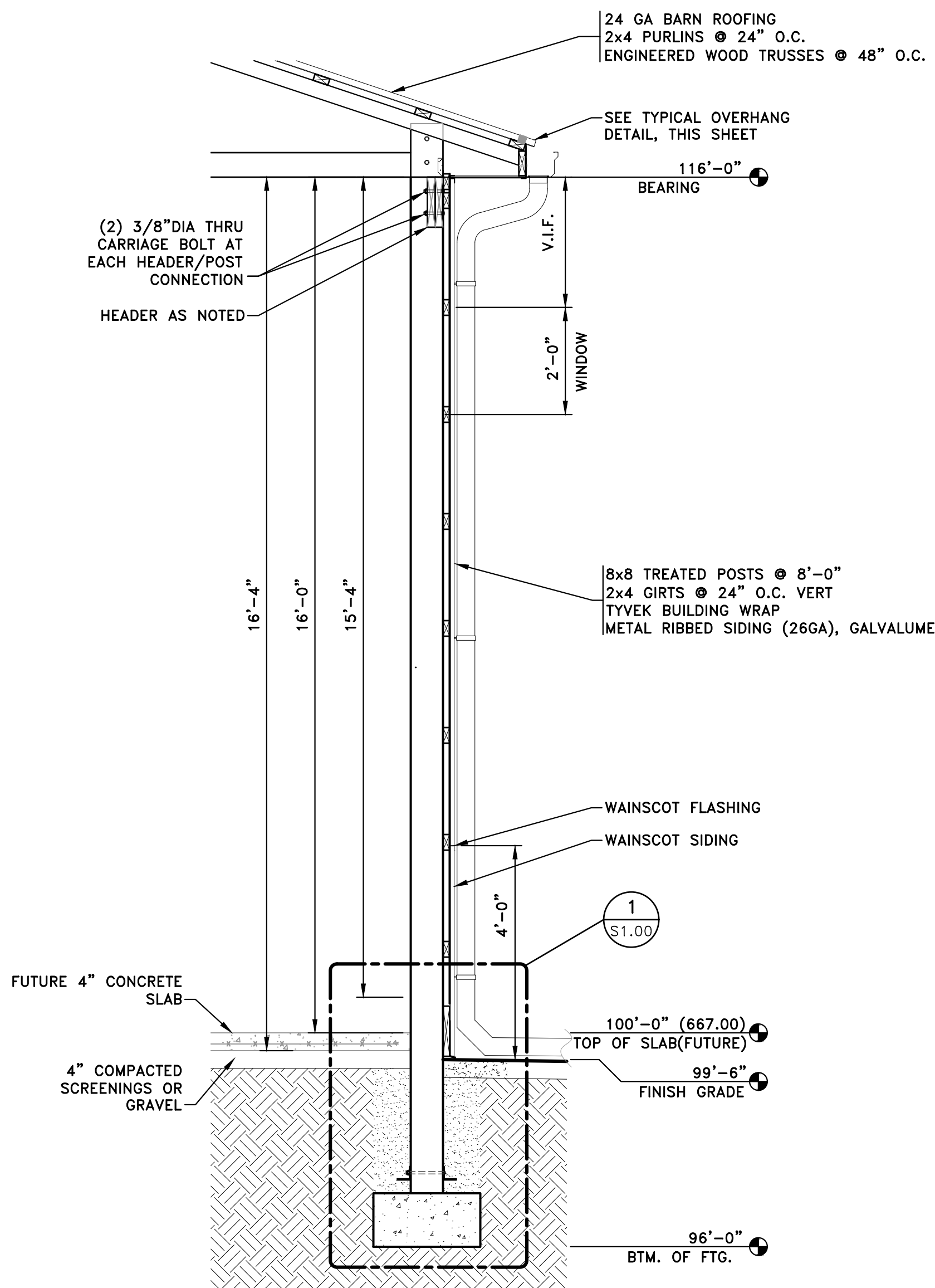
BUILDING SECTION A-A
SCALE: 1/4" = 1'-0"



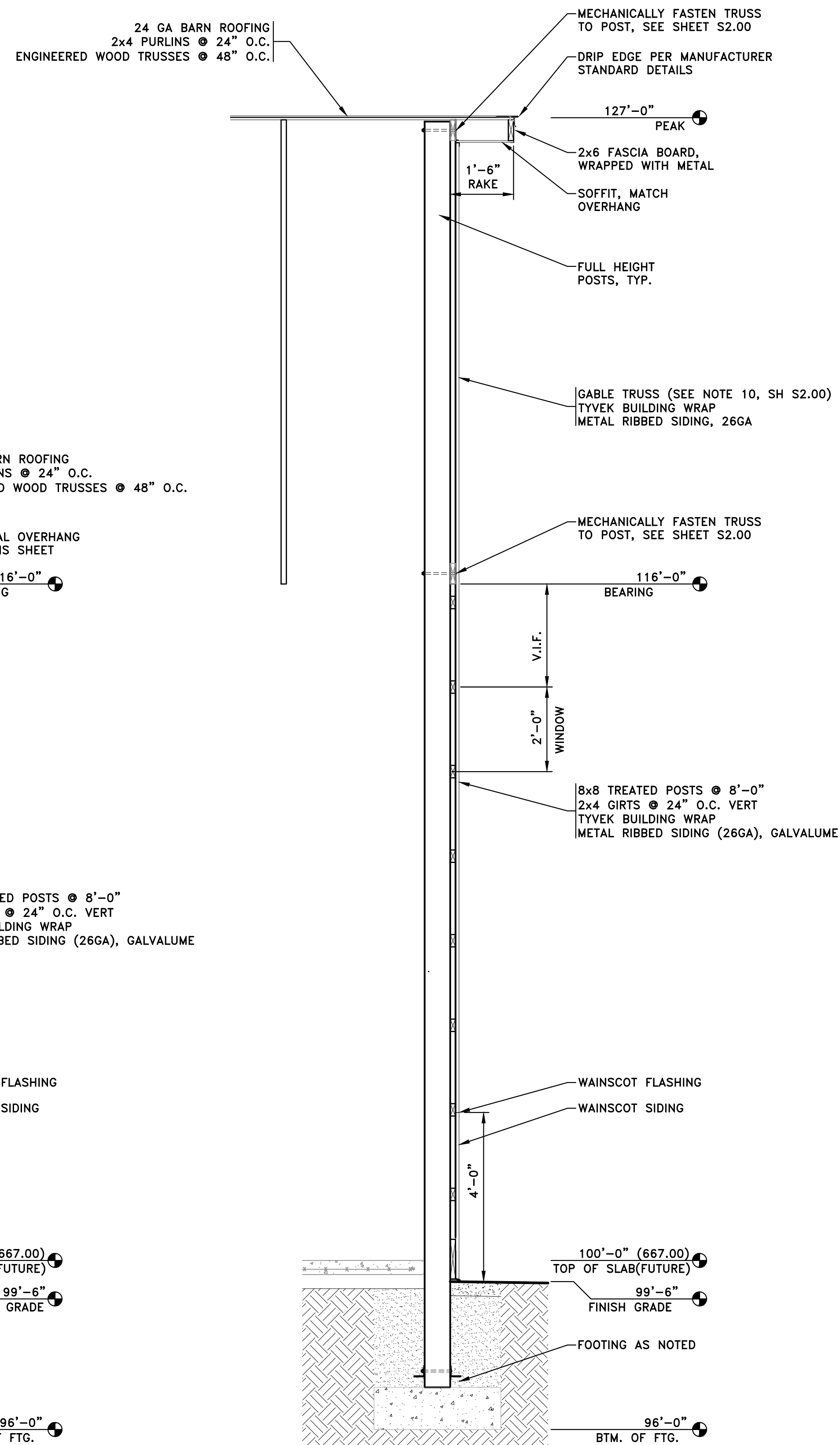
TYPICAL OVERHANG DETAIL
SCALE: 3/4" = 1'-0"



BUILDING
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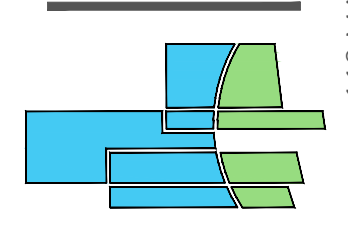


1 TYPICAL WALL SECTION
SCALE: 1/2" = 1'-0"



2 WALL SECTION
SCALE: 1/2" = 1'-0"

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PHONE: (734) 823-5080



DAVID J. ARON
No. 1301061546
EXPIRATION DATE 12/31/2024
LICENSED ARCHITECT

C.T.E. STORAGE BUILDING
130 VIKING DRIVE, DUNDEE, MICHIGAN, 48131

BUILDING SECTIONS & DETAILS

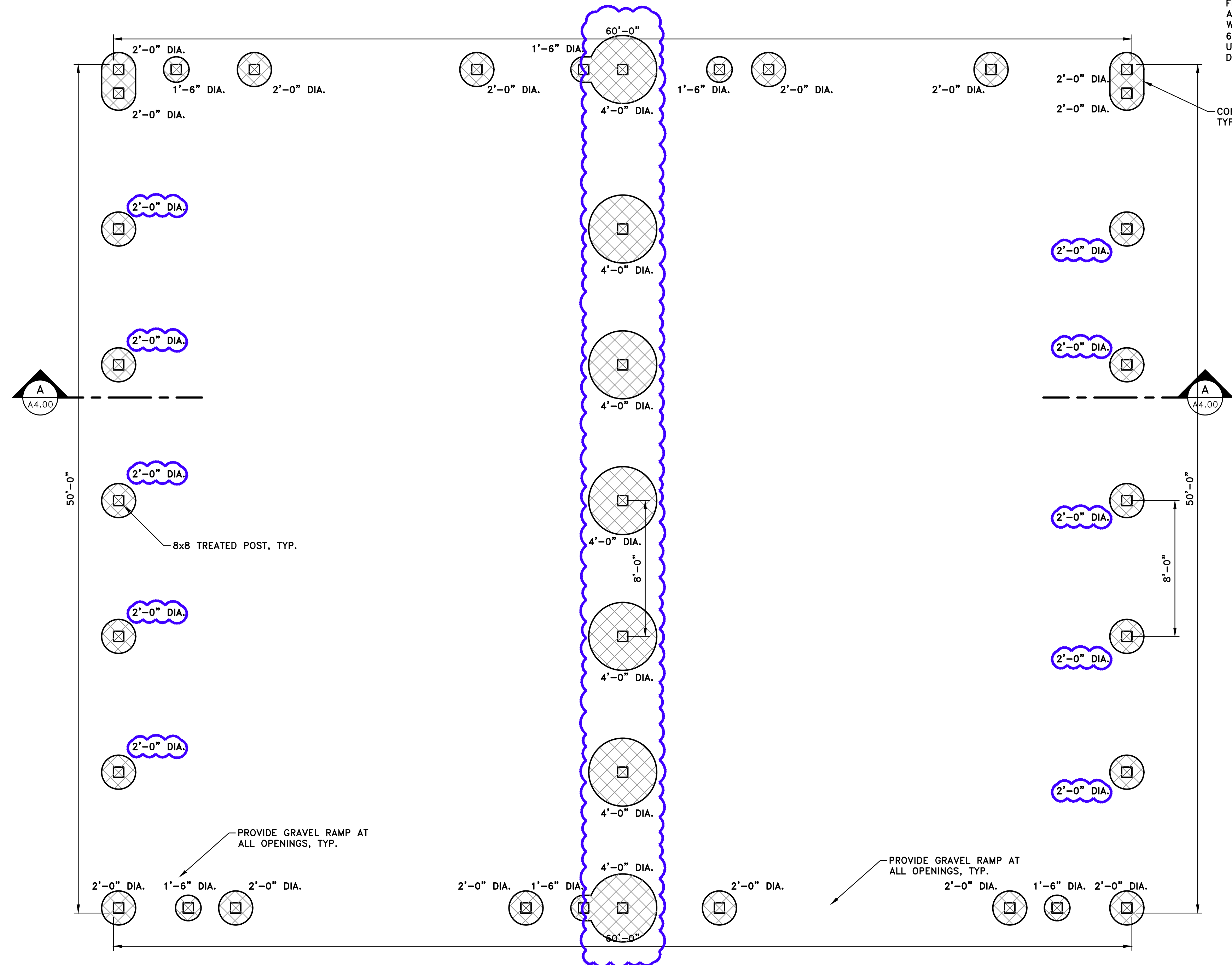
DEVELOPER/OWNER:
DUNDEE COMMUNITY SCHOOL
MR. AUGUST OST, PRINCIPAL
420 YPSILANTI STREET
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PHONE: (734) 529-2350
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ISSUE

ITEM	DATE	BY
OWNER REVIEW	05/15/24	JRN
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BULLETIN #1	05/09/24	JRN

SCALE* AS NOTED
PLOT DATE 6/05/24
JOB NO. 24-D-5345
SHEET NO.

A4.00



FOOTING PLAN
SCALE: 1/4" = 1'-0"

GENERAL FOUNDATION NOTES:

1. CONSTRUCTION AND ERECTION OF STRUCTURAL CONCRETE TO COMPLY WITH ACI 301 AND ACI 318. CONCRETE REINFORCING TO COMPLY WITH ACI 301 AND ACI 318. CAST IN PLACE CONCRETE WORK TO COMPLY WITH ACI 301 AND ACI 318.
2. PIER FOOTINGS AND OTHER STRUCTURAL CONCRETE TO HAVE A COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS.
3. PLACEMENT OF CONCRETE UNDER WATER IS NOT PERMITTED.
4. DO NOT PLACE ANY CONCRETE UNTIL ALL INSPECTIONS REQUIRED BY THE BUILDING DEPARTMENTS, AND THE INSPECTOR HAVE BEEN MADE AND APPROVAL GIVEN TO POUR.
5. PROVIDE PROPER PROTECTION OF POURED CONCRETE FROM HEAT IF OVER 90 DEGREES, FROM FREEZING, AND FROM RAIN OR GROUND WATER. POURED CONCRETE IS TO BE PROTECTED FROM FREEZING FOR 48 HOURS AFTER POURING. COLD WEATHER CONCRETE INSTALLATION TO BE IN ACCORDANCE WITH ACI 306R. HOT WEATHER CONCRETE INSTALLATION TO BE IN ACCORDANCE WITH ACI 305R.
6. BOTTOM OF FOOTINGS SHALL BE A MINIMUM OF 42" BELOW FINISH GRADE AND BEARING ON UNDISTURBED SOIL OF THE CAPACITY NOTED. NOTIFY THE ENGINEER IMMEDIATELY IF ANY DISCREPANCIES ARE NOTED IN THESE DRAWINGS OR WITH FIELD CONDITIONS.

DESIGN LOADS:

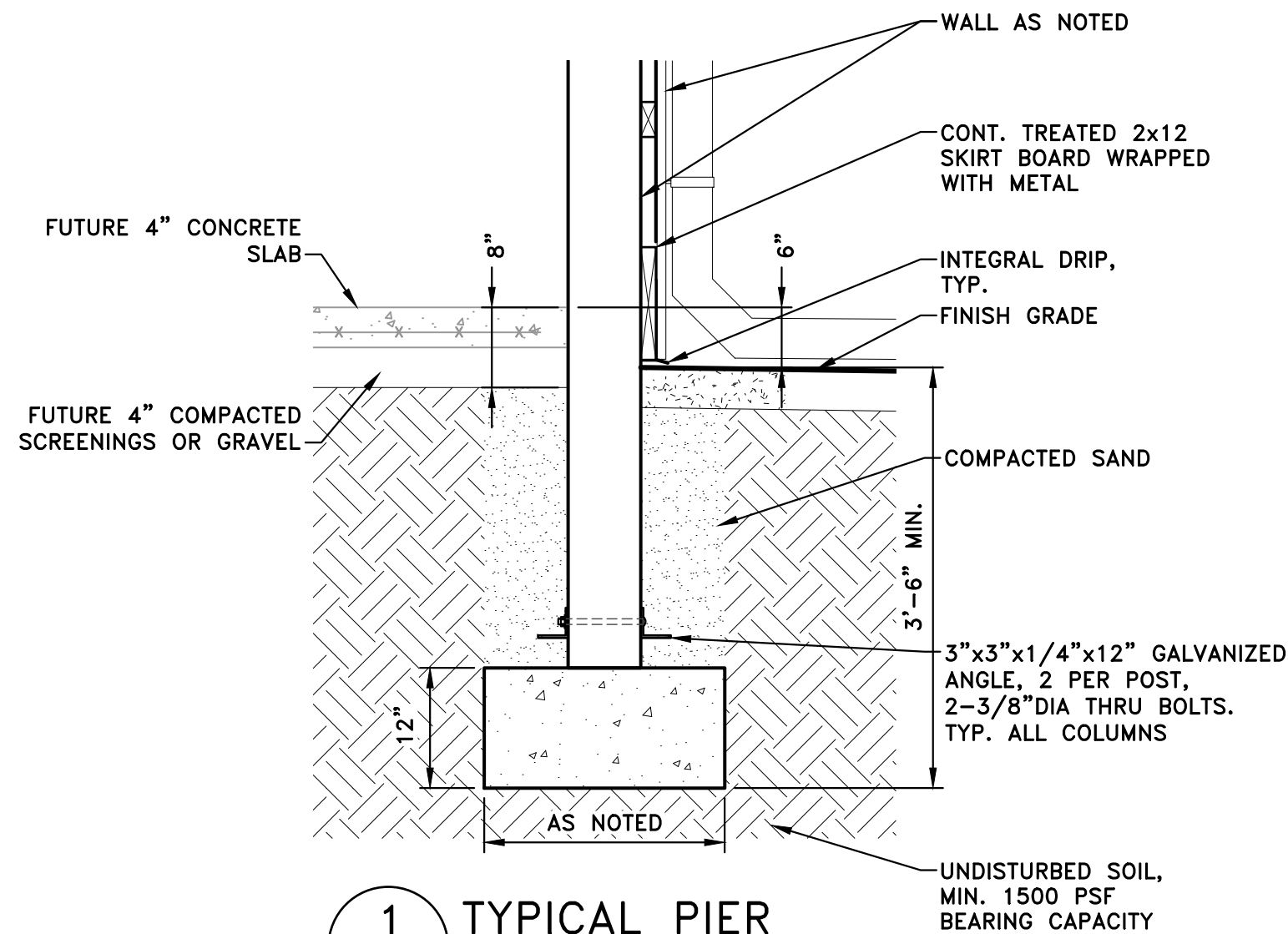
RISK CATEGORY: I

MAIN FLOOR:	LIVE LOAD	125 PSF
	DEAD LOAD	50 PSF
ROOF:	LIVE LOAD	20 PSF
	DEAD LOAD	11 PSF
	COLLATERAL	10 PSF
SNOW:	GROUND	25 PSF
	IMPORTANCE (I_e)	1.0
	C_e (PARTIAL, TERRAIN B)	1.0
	C_t (THERMAL FACTOR)	1.2
WIND:	BASIC WIND SPEED (V_{base})	89 MPH
	ULTIMATE WIND SPEED (V_{ult})	115 MPH
	WIND EXPOSURE	B
	SURFACE ROUGHNESS	B
	P_{net} ROOF (UPLIFT)	-13.1 PSF
SEISMIC:	IMPORTANCE (I_e)	1.0
	SITE CLASS	A
DESIGN CATEGORY	S_{DS}	0.06g
	S_{D1}	0.12g
	S_{S1}	0.050g
	S_{S2}	0.050g

SOIL INFORMATION (MBC TBL. 1806.2):

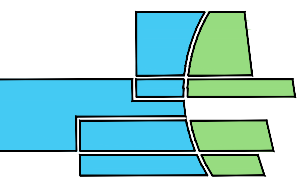
SOIL TYPE: CLAY - 1500 PSF (ASSUMED)

IT IS RECOMMENDED A SOILS ENGINEER OR TESTING COMPANY BE ON SITE TO VERIFY BEARING CAPACITY OF SOIL DURING EXCAVATIONS OF FOOTINGS. IF A DISCREPANCY OCCURS, THE ARCHITECT/ENGINEER IS TO BE NOTIFIED IMMEDIATELY.



1 TYPICAL PIER
SCALE: 3/4" = 1'-0"

DAVID
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C.T.E. STORAGE BUILDING

130 VIKING DRIVE, DUNDEE, MICHIGAN, 48131

FOOTING PLAN & DETAILS

DEVELOPER/OWNER:



DUNDER COMMUNITY SCHOOL
MR. AUGUST OST
MIDDLE SCHOOL PRINCIPAL
420 YPSILANTI STREET
DUNDEE, MICHIGAN 48131
PHONE: (734) 529-2350
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BULLETIN #1	05/09/24	JRN
REVIEWED BY		DAVID JRN
DRAWN BY		JRN

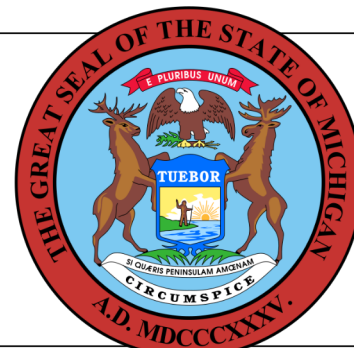
SCALE* AS NOTED

PLOT DATE 6/05/24

JOB NO. 24-D-5345

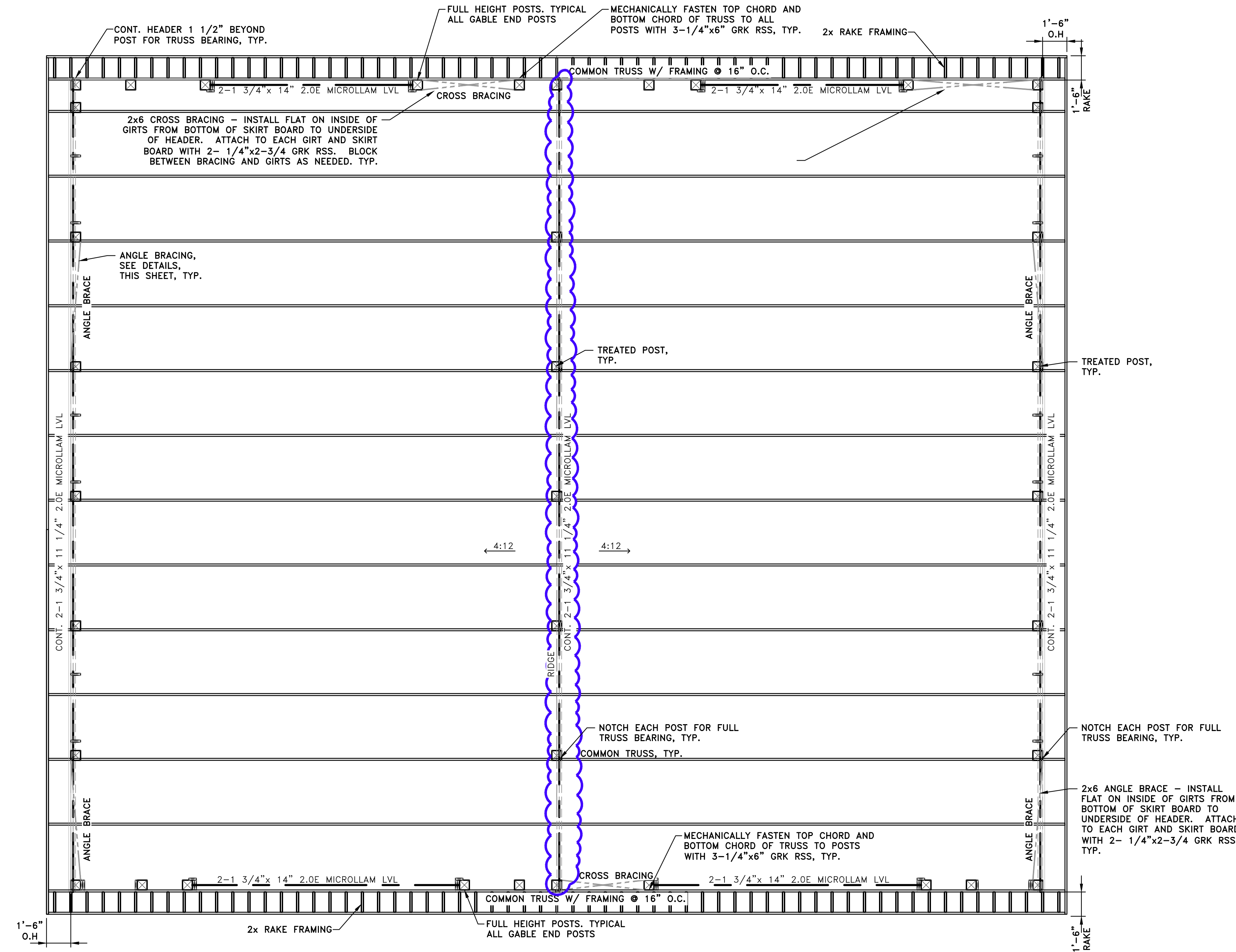
SHEET NO.

S1.00

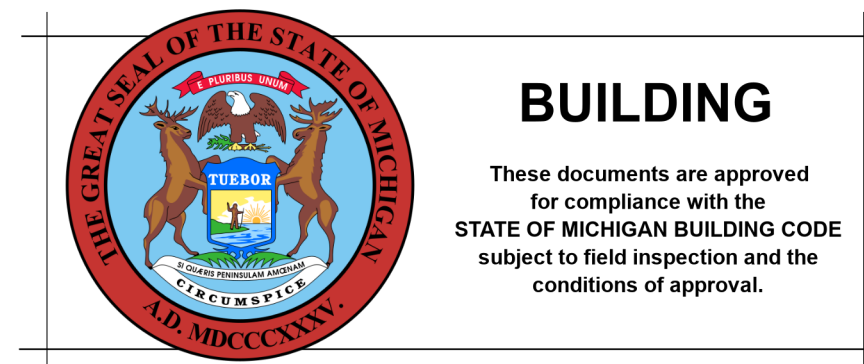
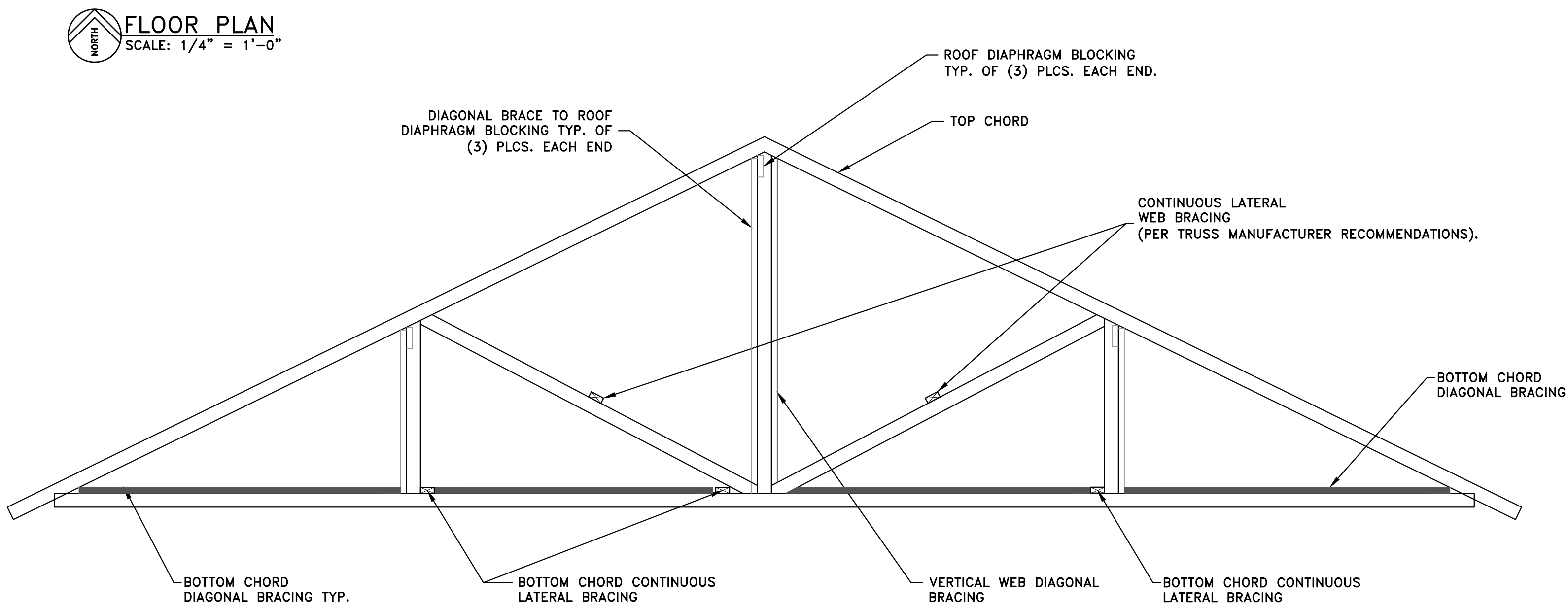


BUILDING

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- GENERAL FRAMING NOTES:**
- WEB CONFIGURATION AND TRUSS LAYOUT TO BE DETERMINED BY TRUSS MANUFACTURER. TRUSS MANUFACTURER SHALL PROVIDE A COMPLETE TRUSS SYSTEM WHICH INCLUDES ALL TRUSSES, TEMPORARY AND PERMANENT BRACING, LVL'S AND HEADER/BEAMS USED FOR THE ROOF FRAMING.
 - TRUSS MANUFACTURER TO SUBMIT ENGINEERED STAMPED TRUSS DESIGN DRAWINGS SHOWING ALL DESIGN LOADS FOR TRUSS DESIGN, INCLUDING WIND & SNOW LOADS, LUMBER SPECIFICATIONS AND ALL ITEMS AS REQUIRED PER CURRENT MBC.
 - DEFLECTION: LIVE LOAD= L/240, TOTAL LOAD= L/240.
 - MINIMUM TRUSS MEMBER SIZE TO BE 2x4 (2x3 NOT ALLOWED), SPF NO. 2 OR BETTER.
 - OPENING HEADERS
 - SUPPORT MEMBERS FOR HEADERS SHALL BE A MINIMUM OF A SINGLE STUD WHERE THE OPENING IS LESS THAN 6'. A MINIMUM OF TWO STUD MEMBERS ARE REQUIRED FOR OPENINGS FROM 6' TO 12'. MINIMUM OF THREE STUDS FOR OPENINGS GREATER THAN 12', UNLESS NOTED OTHERWISE.
 - WHERE ENGINEERED LUMBER IS USED FOR HEADERS, THE MINIMUM BEARING REQUIREMENT IS TO BE PROVIDED BY THE MANUFACTURER.
 - 3 SETS OF PRE-ENGINEERED WOOD ROOF TRUSS SHOP DRAWINGS SHALL BE PROVIDED TO DAC, INC. FOR REVIEW AND COORDINATION WITH THE CONSTRUCTION DOCUMENTS IN ACCORDANCE WITH MBC SECTION 106.3.4. THESE APPROVED DOCUMENTS WILL BE A DEFERRED SUBMITTAL TO THE OFFICE OF THE BUILDING OFFICIAL FOR REVIEW AND REFERENCE PRIOR TO INSTALLATION OF SUCH TRUSSES.
 - QUALITY STANDARDS - ALL LUMBER SHALL CONFORM TO THE FOLLOWING:
 - LATEST EDITION OF THE NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION AS PUBLISHED BY THE NATIONAL FOREST PRODUCTS ASSOCIATION, UNLESS OTHERWISE NOTED.
 - CURRENT EDITION OF THE MICHIGAN BUILDING CODE AND REFERENCED CODES.
 - CALL LOCAL REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION
 - PLYWOOD TO CONFORM TO ENGINEERED WOOD ASSOCIATION (APA) SPECIFICATIONS.
 - ENGINEERED WOOD TO CONFORM TO APA SPECIFICATIONS.
 - FRAMING MATERIALS
 - FRAMING LUMBER SHALL BE WELL SEASONED AND THE MOISTURE CONTENT OF THE LUMBER SHALL NOT BE MORE THAN 19% AT THE TIME OF INSTALLATION
 - ALL LUMBER SHALL BE IDENTIFIED BY A GRADE STAMP TO INDICATE ITS GRADE IS OF THE FOLLOWING GRADES OR BETTER UNLESS OTHERWISE NOTED:
 - BUILT-UP BEAMS & HEADERS: SPF, DF, SYP #1 OR #2
 - BLOCKING AND MISCELLANEOUS FRAMING AND FURRING, WHICH HAVE NO STRUCTURAL CAPACITY OTHER THAN MINOR SUPPORT: SPF, DF, SYP #3.
 - GRADE TO MATCH OR BETTER THAN FRAMING MEMBER IT IS SUPPORTING.
 - ALL FRAMING MATERIALS TO BE CAPABLE OF DEVELOPING THE MINIMUM ALLOWABLE STRESS AS REQUIRED FOR THE PROJECT CONDITIONS.
 - WOOD IN CONTACT WITH CONCRETE; PRESSURE TREATED NO. 2 SOUTHERN YELLOW PINE, GRADE 40.
 - IF WOOD IS TO BE WITHIN 6" OF EARTH, PRESSURE TREATED WOOD SHALL BE USED AS NOTED ABOVE.
 - ENGINEERED TRUSSES
 - SPACING TO BE AT 48" o.c.
 - SUBMIT SHOP DRAWINGS PRIOR TO CONSTRUCTION, INCLUDE ALL DESIGN LOADS
 - GABLE TRUSSES TO HAVE HAVE HORIZONTAL BLOCKING AT 24' O.C. CONTINUING WALL GIRTS.
 - EXECUTION
 - SET ALL STRUCTURAL MEMBERS LEVEL, PLUMB, AND SQUARE
 - PROVIDE ADEQUATE BRACING DURING CONSTRUCTION SO THAT WALLS STAY PLUMB, SQUARE, AND STRAIGHT.
 - PROVIDE SOLID BLOCK WITH WOOD AROUND ALL OPENINGS OR AS RECOMMENDED BY DOOR AND WINDOW MANUFACTURER.
 - TOLERANCES AND QUALITY ASSURANCES: BEFORE SIDING OR ROOFING IS INSTALLED OR FRAMING OTHERWISE COVERED, REMOVE AND REPLACE ANY OTHER FRAMING MEMBERS THAT HAS BOWED, TWISTED, OR WARPED OUT OF TOLERANCE AFTER THEIR INITIAL INSTALLATION.



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C.T.E. STORAGE BUILDING

130 VIKING DRIVE, DUNDEE, MICHIGAN, 48131

FRAMING

DEVELOPER/OWNER:

DUNDEE COMMUNITY SCHOOL
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PER OWNER	REVIEW	05/09/24	JRN
BULLETIN #1	REVIEW	05/09/24	JRN
DRAWN BY		JRN	
REVIEWED BY		DAV JRN	

SCALE* AS NOTED

PLOT DATE 6/05/24

JOB NO. 24-D-5345

SHEET NO.

S2.00

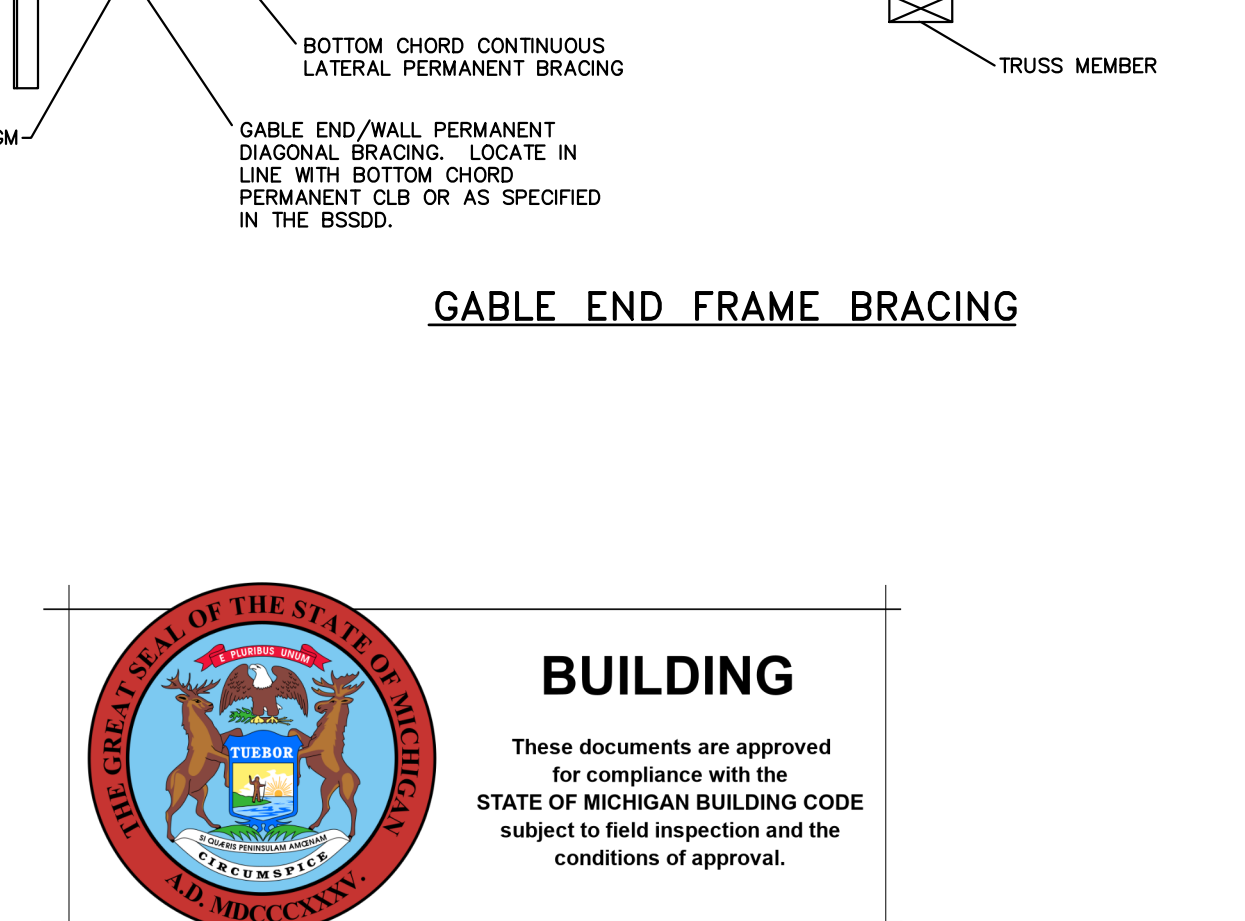
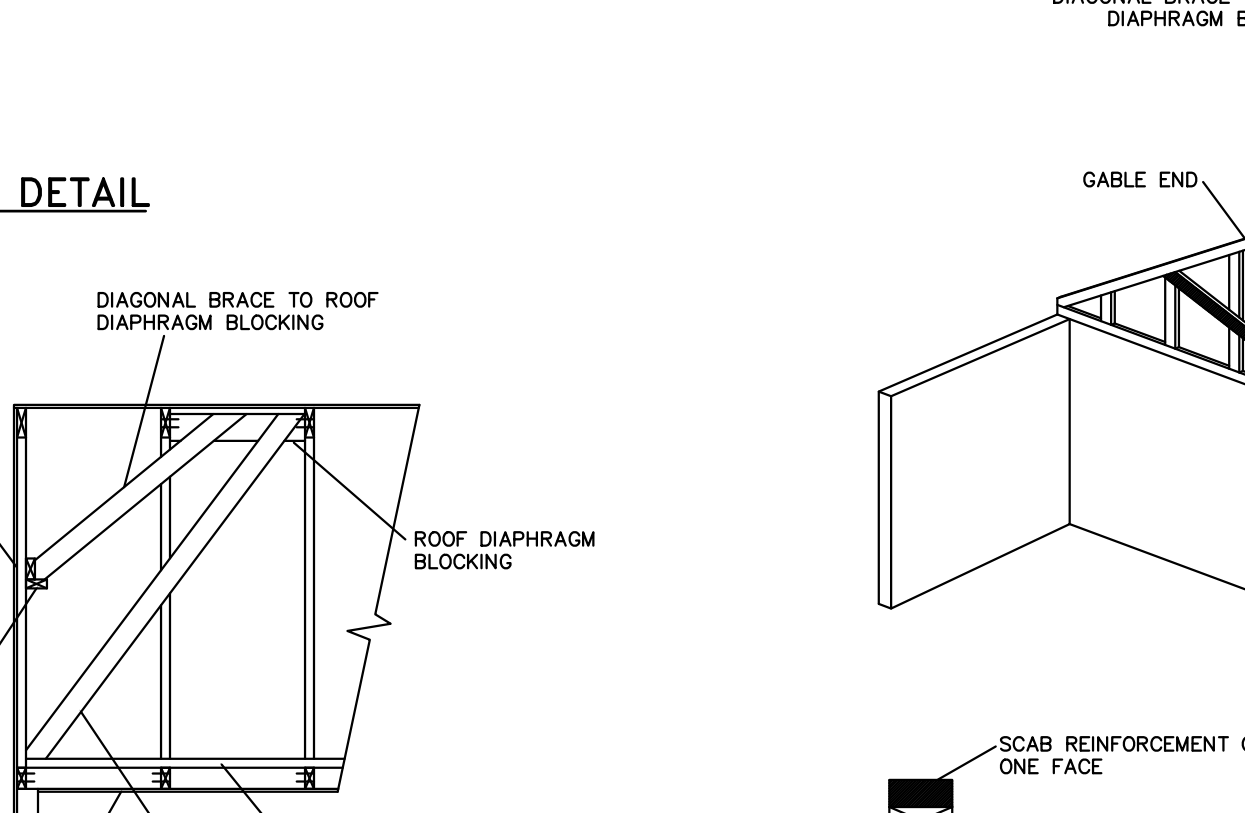
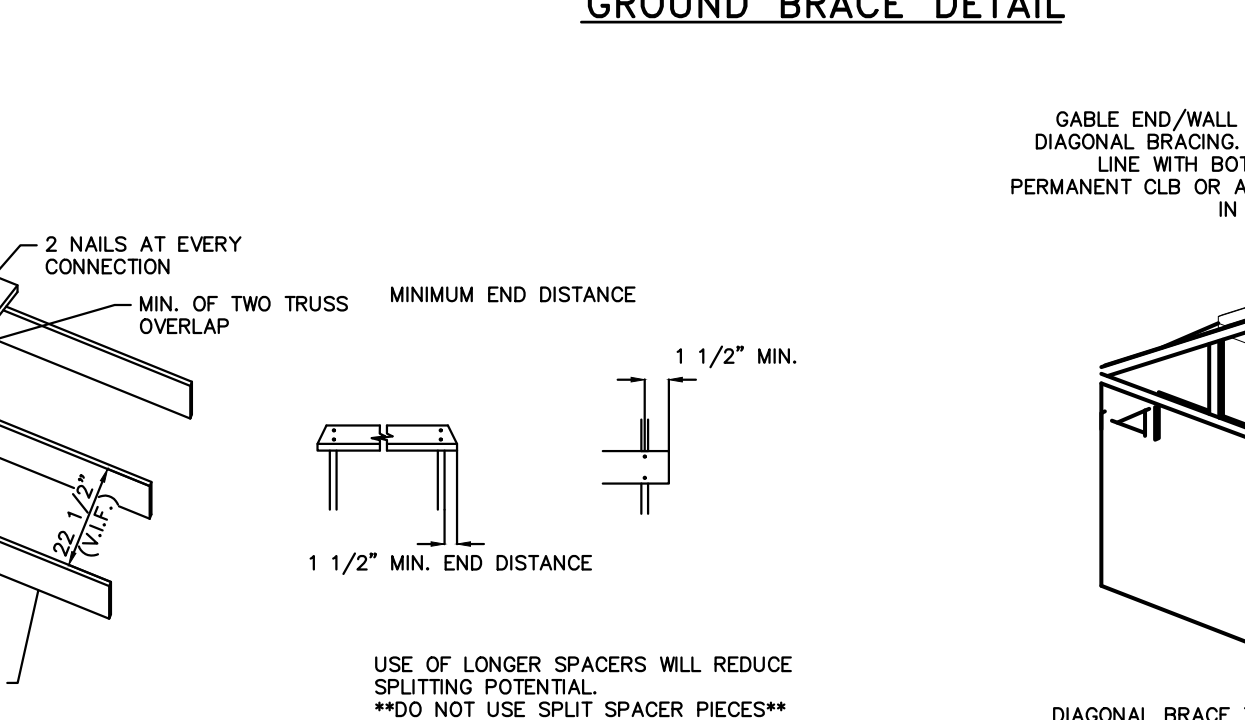
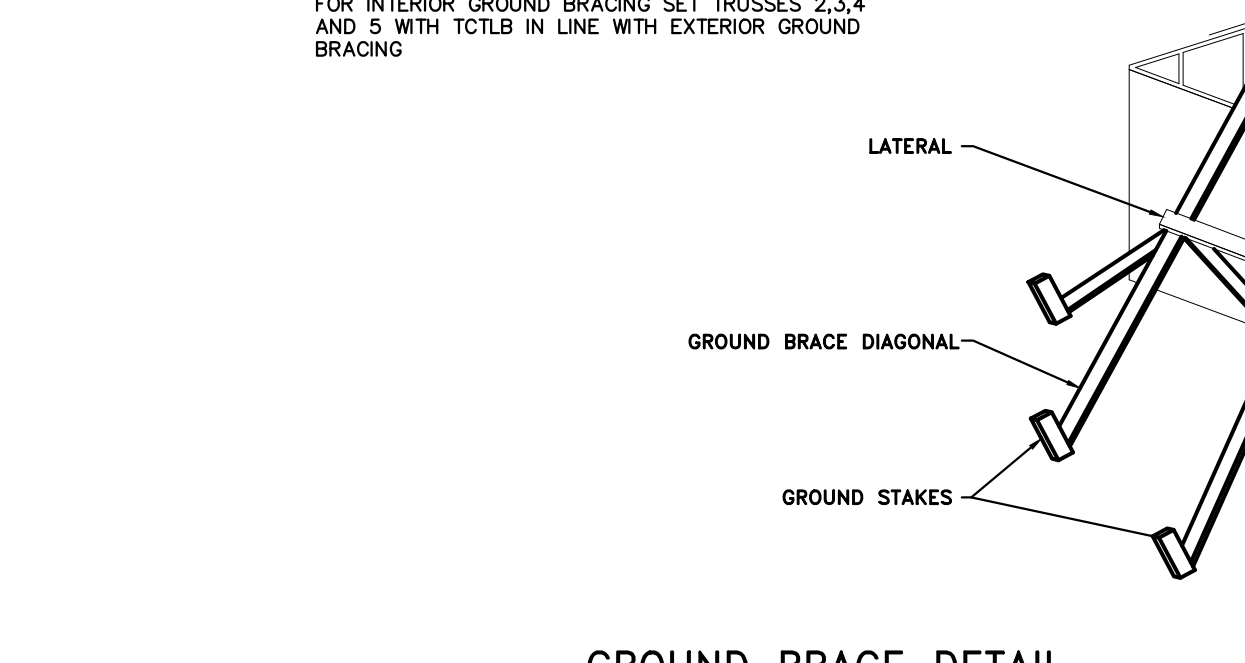
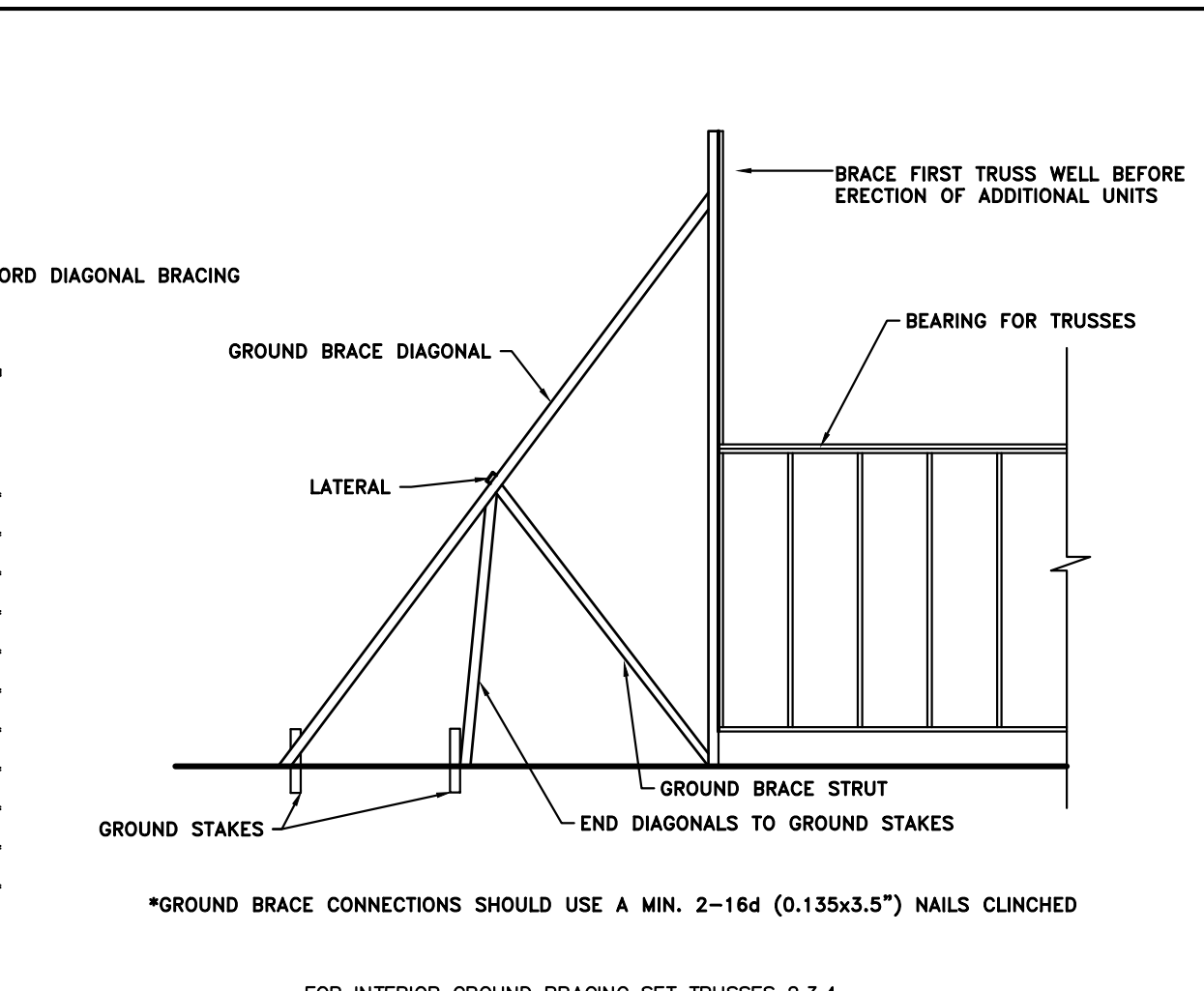
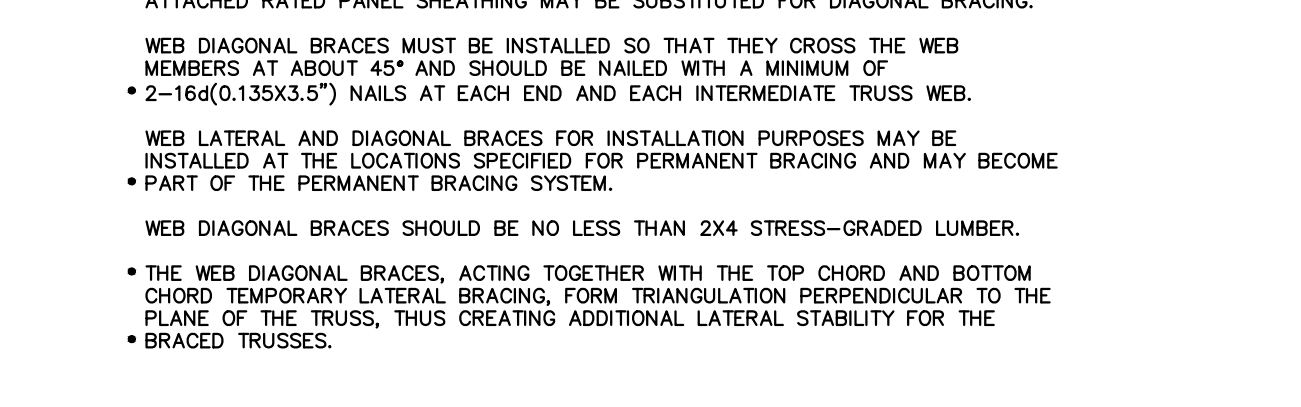
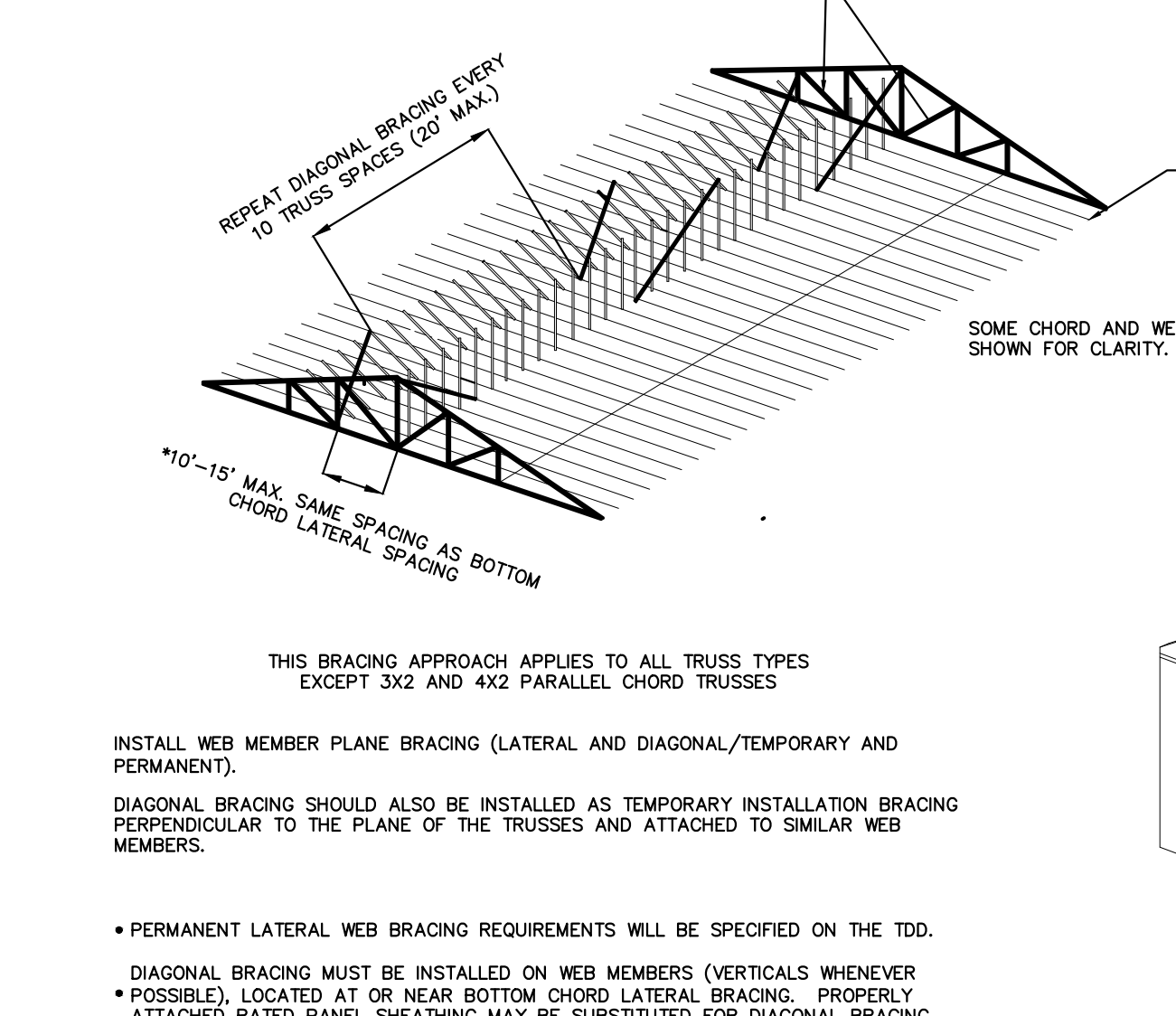
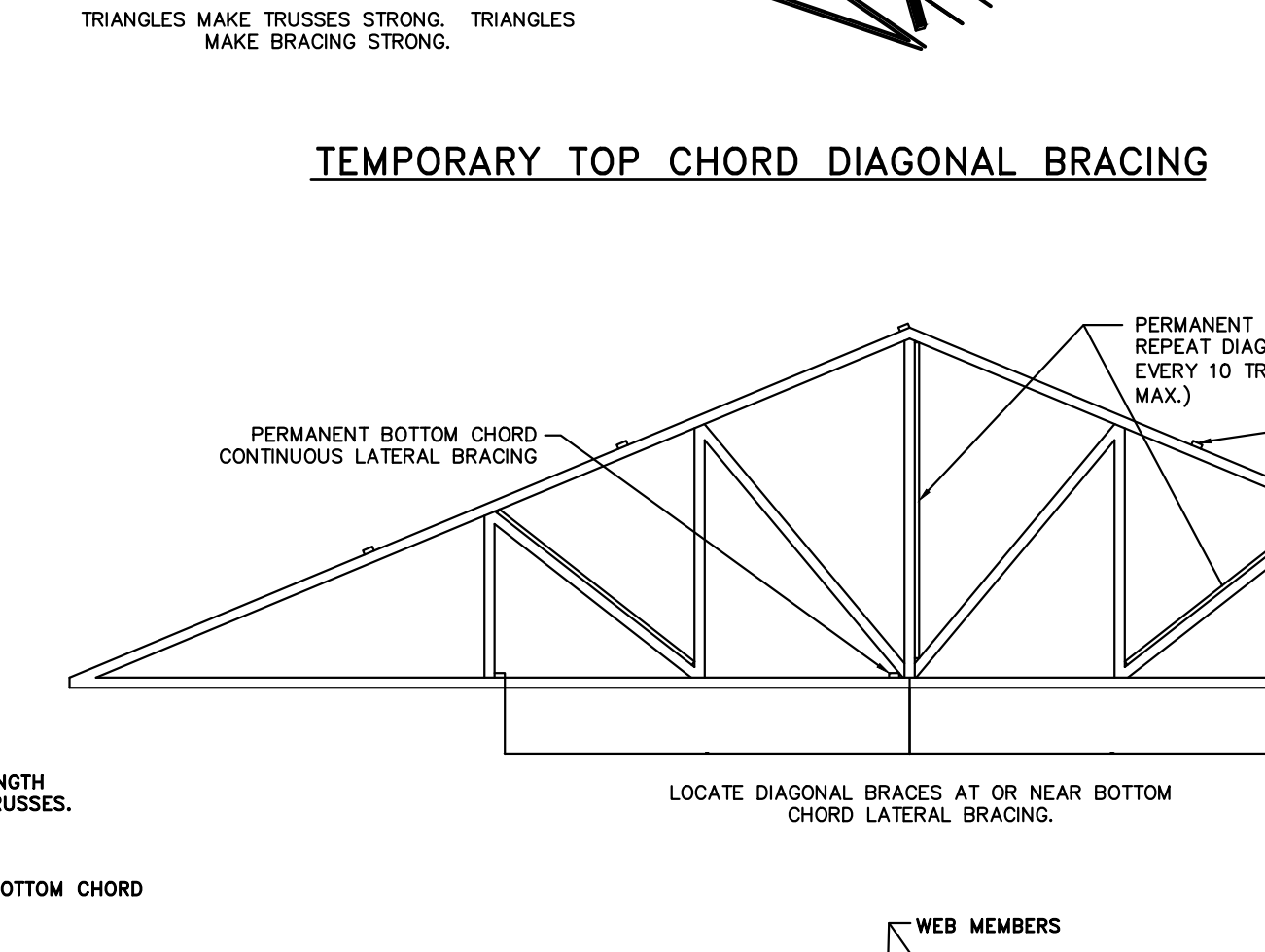
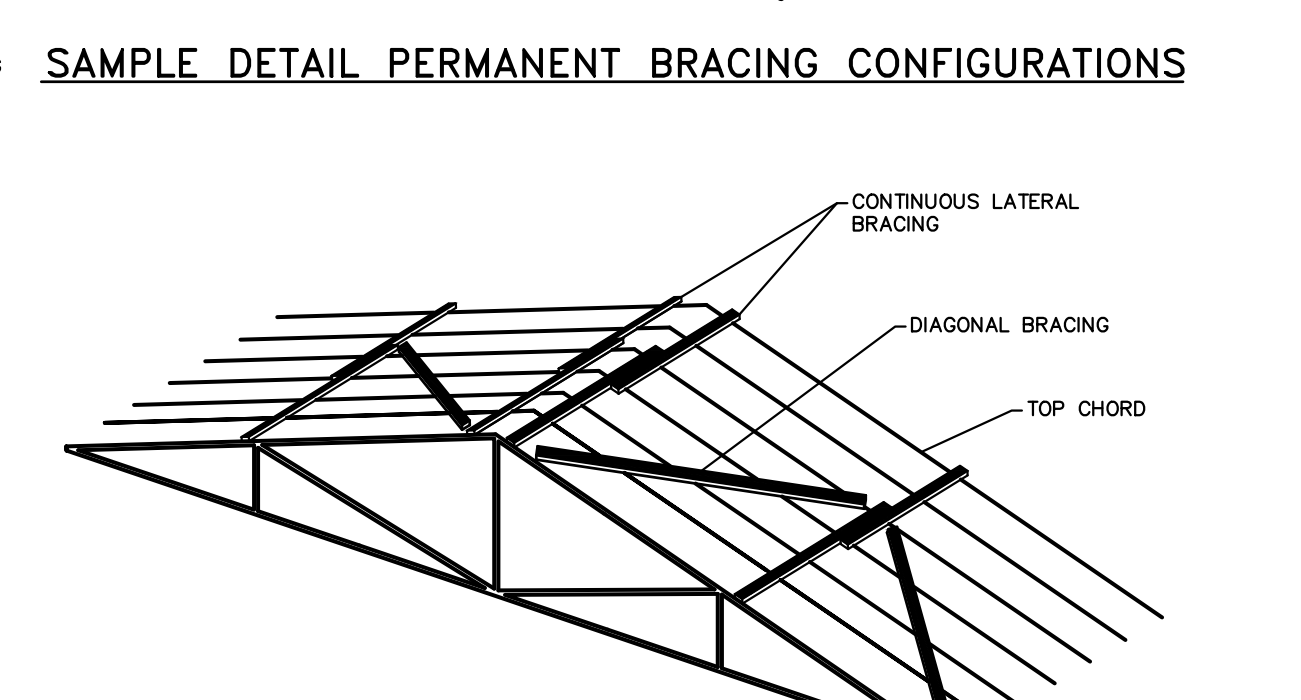
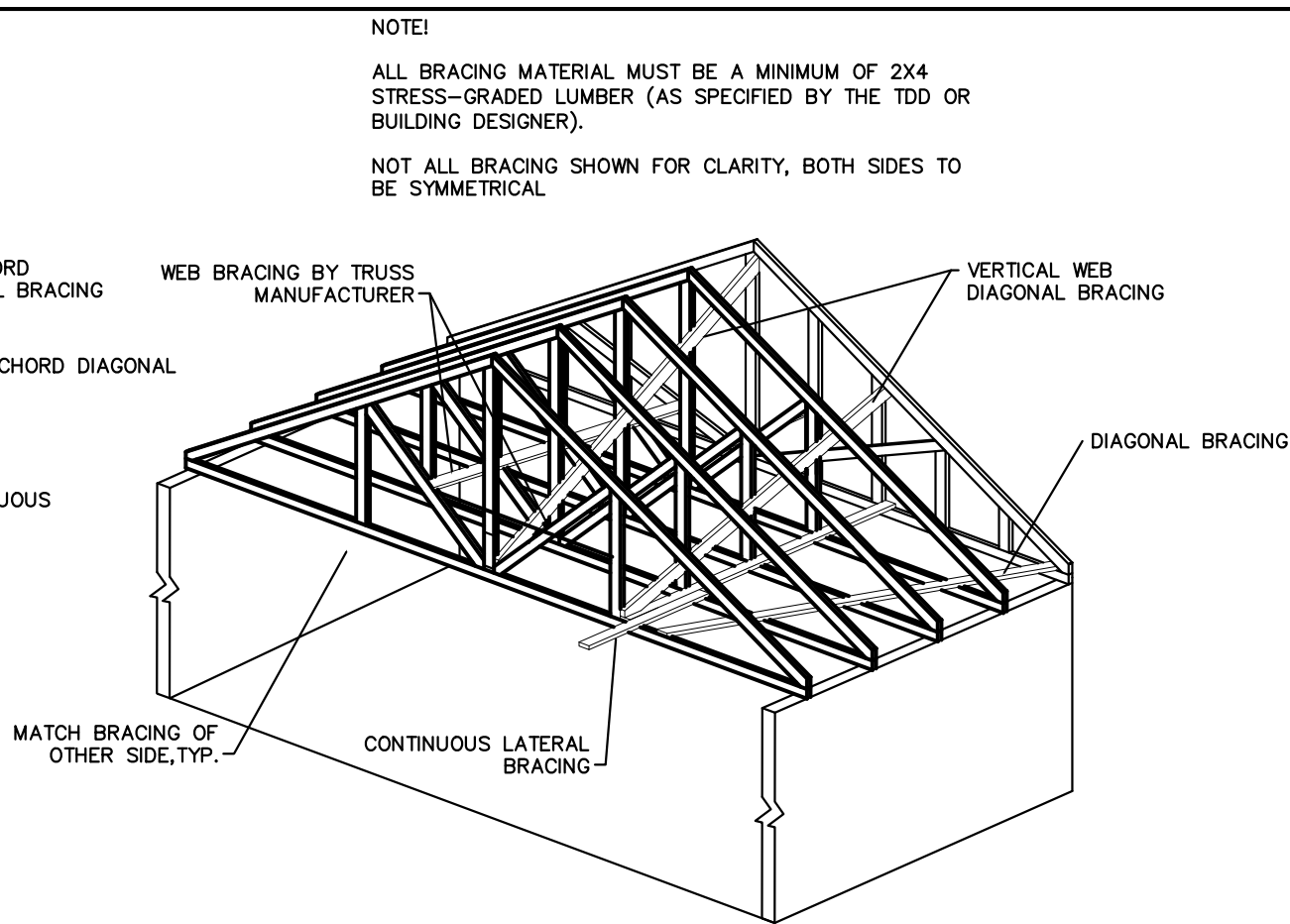
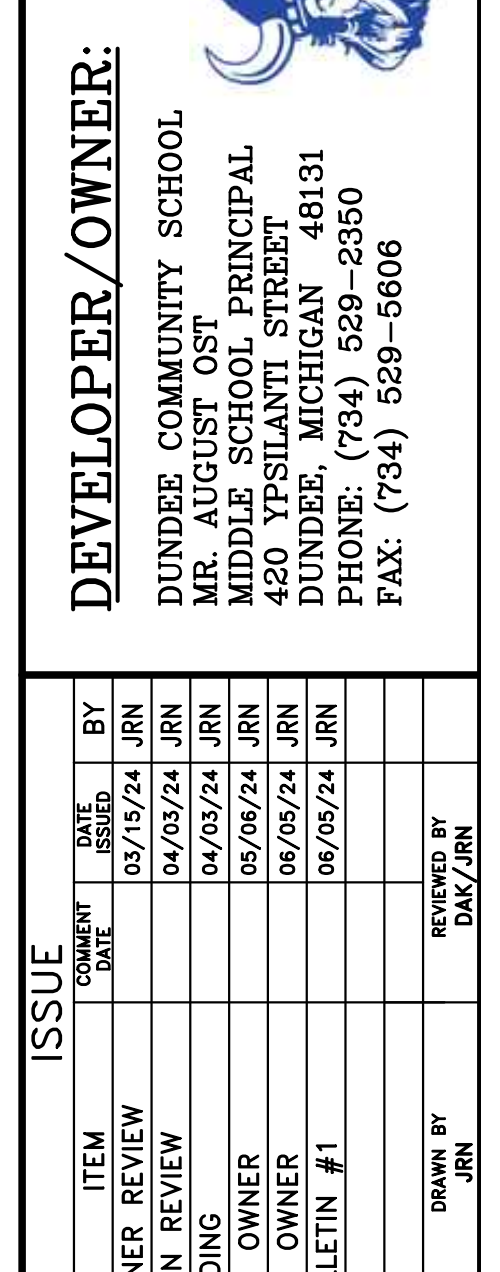
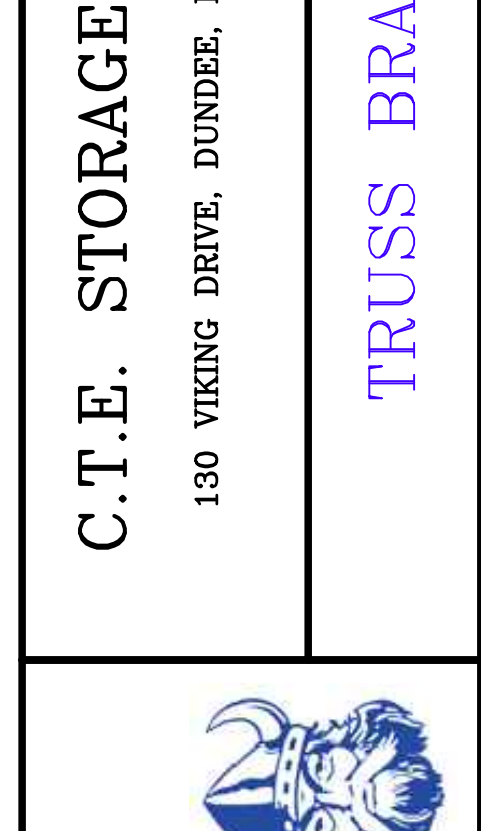


Diagram illustrating the temporary lateral bracing (TTLB) system for a roof truss. The diagram shows a cross-section of the roof structure with the following components and labels:

- TOP CHORD TEMPORARY LATERAL BRACING (TTLB)**: A horizontal member at the top of the roof truss.
- 2x4 MIN.**: A vertical member supporting the TTLB.
- GROUND BRACE STRUT**: A diagonal member connecting the TTLB to the ground.
- END DIAGONALS TO GROUND STAKES**: Diagonal members connecting the TTLB to the ground stakes.
- 45°**: The angle between the ground brace strut and the ground.



FOR
REFERENCE
ONLY

DEVELOPER/OWNER:

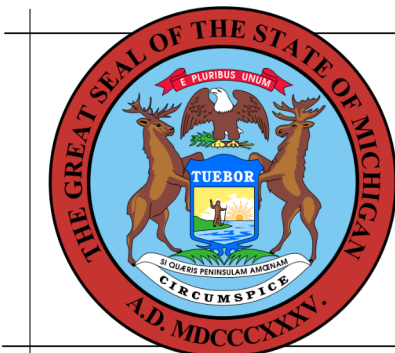
DUNDEE COMMUNITY SCHOOL
MR. AUGUST OST
MIDDLE SCHOOL PRINCIPAL
420 YPSILANTI STREET
DUNDEE, MICHIGAN 48131
PHONE: (734) 529-2350
FAX: (734) 529-5606



SCALE*	AS NOTED
NOT DATE	6/05/24
CB NO.	24-D-5345
SHEET NO.	
S2.01	



SITE PLAN
SCALE: 1" = 20'-0"

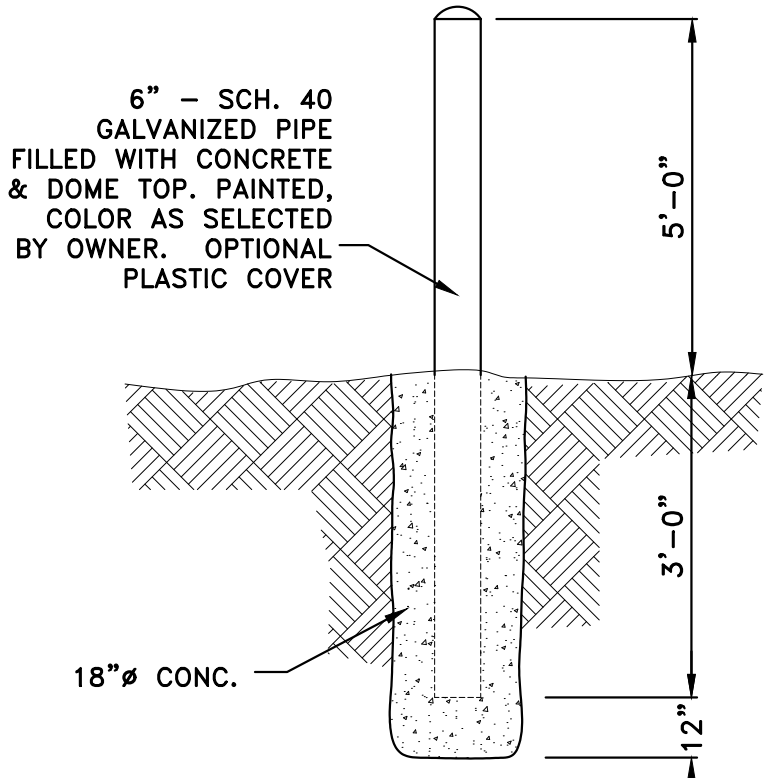


BUILDING

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GENERAL SITE NOTES:

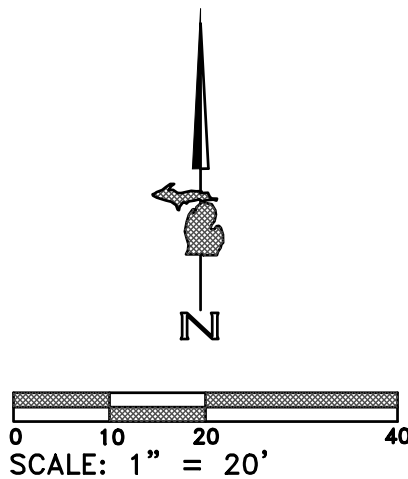
1. SEE SOIL EROSION MEASURES REQUIRED FOR THE PROJECT, SHEET C2.00



a BOLLARD DETAIL
SCALE: NONE

OPTIONAL PLASTIC COVER:

1. BY IDEAL SHIELD, DETROIT, MICHIGAN, (877) 325-0769
2. POLYETHYLENE THERMOPLASTIC (LDPE) WITH ULTRA-VIOLET RESISTANCE
3. NOMINAL THICKNESS: 0.125"
4. COLOR AS SELECTED FROM STANDARD COLOR LIST
5. DOME TOP
6. SMOOTH SURFACE WITH NO RIBBED OR TWO PIECE CONSTRUCTION



NOTE

THE LOCATION AND ELEVATION OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THESE DRAWINGS ARE ONLY APPROXIMATE. NO GUARANTEE IS EITHER EXPRESSED OR IMPLIED AS TO THE COMPLETENESS OR ACCURACY THEREOF. THE CONTRACTOR SHALL BE EXCLUSIVELY RESPONSIBLE FOR DETERMINING THE EXACT LOCATION AND ELEVATION OF EXISTING UTILITIES AND PROPOSED UTILITY CROSSINGS IN THE FIELD PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IF ANY CONFLICTS ARE APPARENT OR IF THE LOCATION OR DEPTH DIFFERS SIGNIFICANTLY FROM THE PLANS.

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C.T.E. STORAGE BUILDING

130 VIKING DRIVE, DUNDEE, MICHIGAN, 48131

SITE PLAN

DEVELOPER/OWNER:

DUNDEE COMMUNITY SCHOOL
MR. AUGUST OST, PRINCIPAL
420 YPSILANTI STREET
DUNDEE, MICHIGAN 48131
PHONE: (734) 529-2350
FAX: (734) 529-5606

ISSUE	ITEM	REVIEW	DATE	BY
OWNER REVIEW	PLAN REVIEW		03/15/24	JRN
	BIDDING		04/03/24	JRN
	PER OWNER		05/08/24	JRN
	PER OWNER		05/05/24	JRN
	BULLETIN #1		05/05/24	JRN
DRAWN BY	JRN			
	REVIEWED BY			

SCALE* AS NOTED

PLOT DATE 6/05/24

JOB NO. 24-D-5345

SHEET NO.

C1.00



DAVID
ARTHUR
CONSULTANTS, INC.

110 MAIN STREET, DUNDEE MI 48131
PHONE: (734) 823-5080



Department of Licensing and Regulatory Affairs

1st Floor Ottawa Building
611 W. Ottawa Street
Lansing, MI 48933



Final Report - Approved

Application Number: PR2024BCC-002336

Report Date: 07/23/2024
Description : Electrical Design for CTE Storage Building
Address : 130 VIKING DR, DUNDEE, MI, 48131
Record Type : Bureau of Construction Codes Plan Review Application
Document Filename : 5345 E.100 Bullerin #2 - 7.03.24.pdf

Reviewer Contact Information:

Reviewer Name	Reviewer Email	Reviewer Phone
Neil Pline	PlineN@michigan.gov	517-280-9516

General Comments

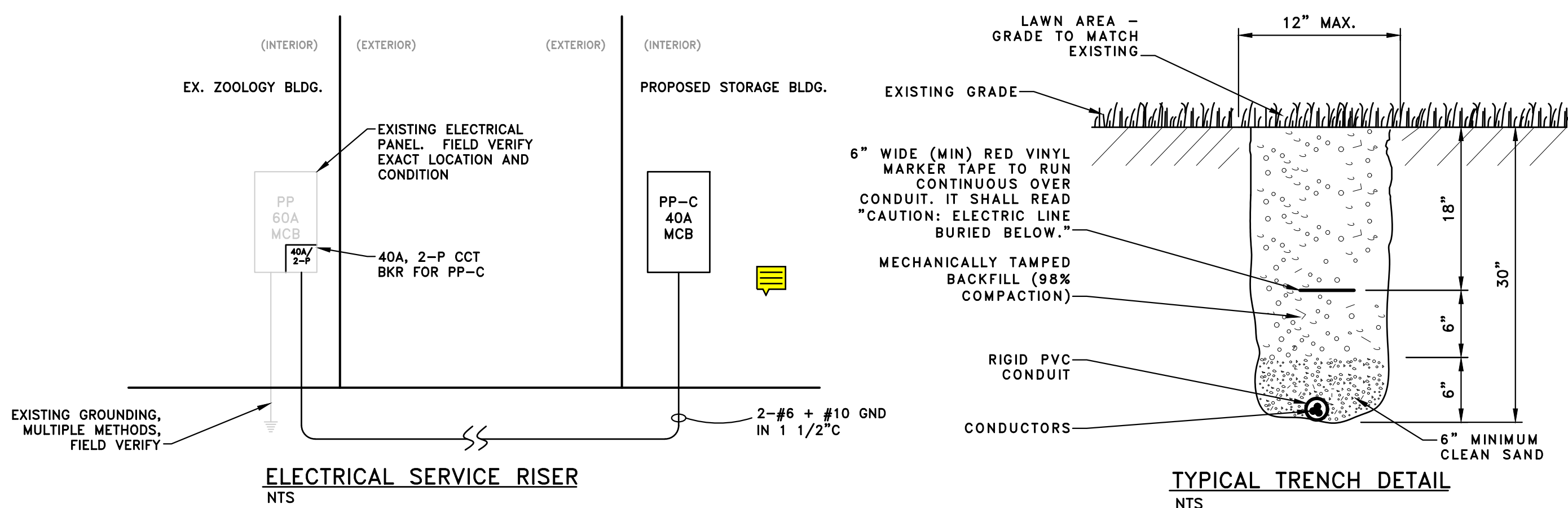
Markups for this Approved Document or Plan

Comment ID	Page Ref	Reviewer : Department	Review Comments
1	E.100	Neil Pline : Electrical	NEC, Sections 250.4, 250.32, 250.50, 250.52, 250.53, and Table 250.66 - Buildings or structures supplied by a feeder or branch circuit shall have a grounding electrode system installed and connected at the disconnecting means to the equipment grounding conductor routed with the supply conductors.

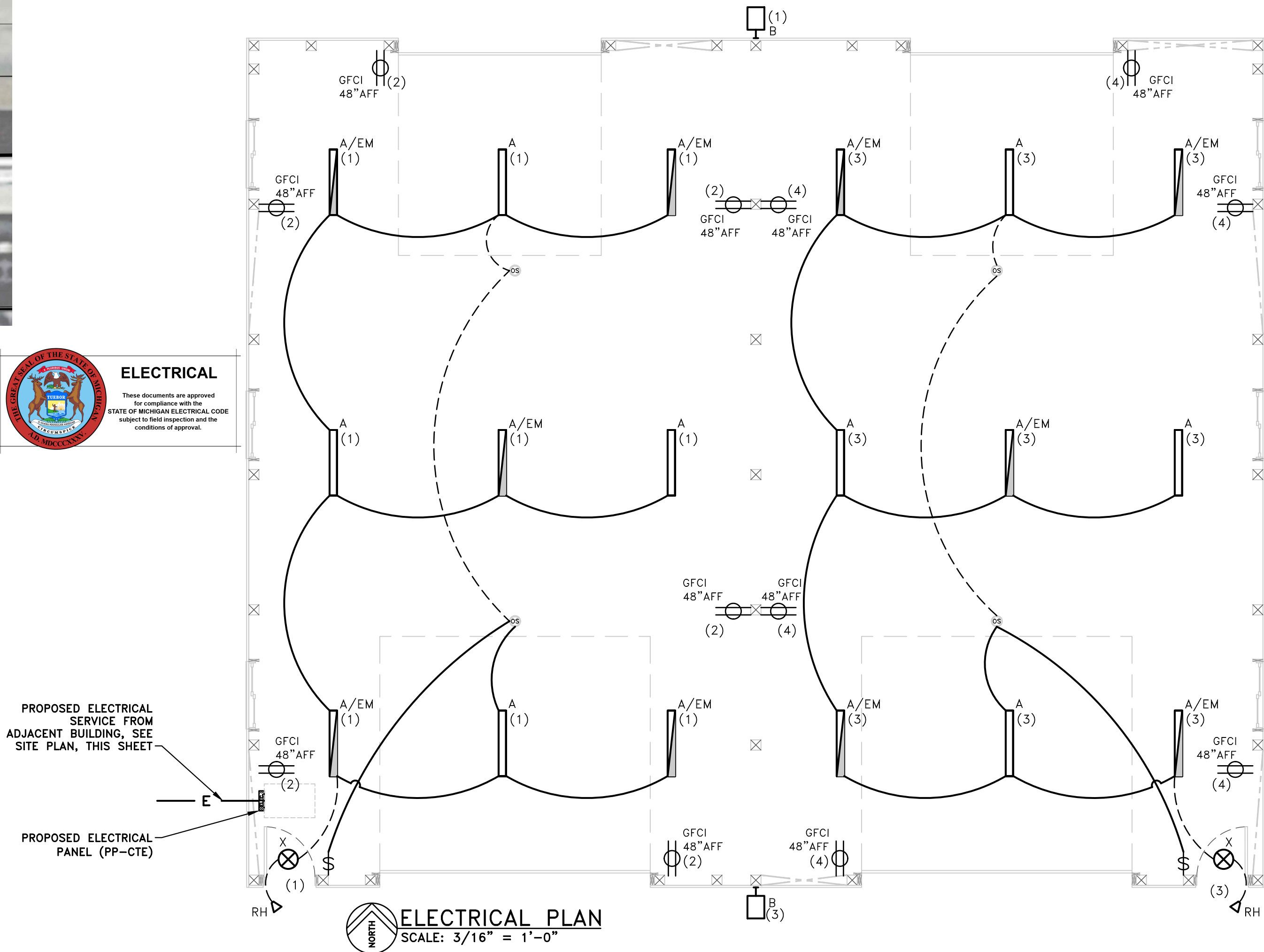
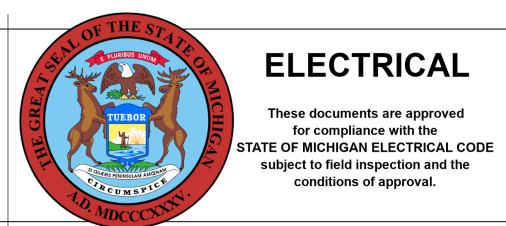
ELECTRICAL SITE PLAN
SCALE: 1" = 20'-0"

ELECTRICAL SPECIFICATION & GENERAL NOTES:

1. ALL WORK TO BE IN CONFORMANCE WITH CURRENT THE NATIONAL ELECTRICAL CODE AND MICHIGAN BUILDING CODE AS NOTED IN THE PROJECT DESIGN CRITERIA.
2. UTILITY, PLAN REVIEW, BUILDING PERMIT & OTHER RELATED FEES SHALL BE BY ELECTRICAL CONTRACTOR. CONTRACTOR TO COORDINATE & SCHEDULE INSPECTIONS WITH APPROPRIATE AGENCIES HAVING JURISDICTION & INSTALL ALL SYSTEMS IN CONFORMANCE WITH FEDERAL, STATE, & LOCAL CODES AND AGENCY REQUIREMENTS. CONTRACTOR TO CONTACT RELATED UTILITY COMPANIES (POWER, TELEPHONE, ETC.), COORDINATE ALL WORK WITH THEIRS, & VERIFY DIVISION OF RESPONSIBILITIES BEFORE COMMENCING ANY WORK.
3. INSTALL EQUIPMENT AND MATERIALS IN COMPLIANCE WITH THE CURRENT APPLICABLE VERSION OF THE:
 1. NATIONAL ELECTRICAL CODE (NEC)
 2. LIFE SAFETY CODE (NFPA-101)
 3. STATE OF MICHIGAN DEPARTMENT OF CONSUMER AND INDUSTRY SERVICES, BUREAU OF CONSTRUCTION CODES AND FIRE SAFETY
 4. AUTHORITY HAVING JURISDICTION
 5. MANUFACTURERS' INSTRUCTIONS
4. COORDINATE ALL INTERRUPTIONS OF ELECTRICAL SERVICE TO THE EXISTING FACILITY, A MINIMUM OF ONE WEEK IN ADVANCE, THROUGH THE OWNER'S ON-SITE REPRESENTATIVE.
5. COORDINATE TEMPERATURE, LOW VOLTAGE, FIRE ALARM/SECURITY SYSTEM, MOTORS, PUMPS, TELEPHONE & COMPUTER/DATA ELECTRICAL WORK WITH THAT OF OTHERS AND MANUFACTURER'S CRITERIA FOR COMPLETE OPERATIONAL & FUNCTIONAL SYSTEMS, & EXTENT OF WORK BY EACH PARTY.
6. VERIFY MOUNTING HEIGHTS AND LOCATIONS OF ALL RECEPTACLES, BOXES, SWITCHES, DEVICES, ETC. WITH THE GOVERNING CODES AND WITH THE OWNER PRIOR TO INSTALLATION.
7. ONLY PROVIDE EQUIPMENT AND MATERIALS FROM THE MANUFACTURERS SPECIFIED.
8. ALL WIRING SHALL BE COPPER (SOLID OR STRANDED) SIZED TO HANDLE THE EQUIPMENT CONNECTED AND PER LOCAL AND NATIONAL CODES. ALL WIRING TO BE ENCLOSED IN GALVANIZED STEEL CONDUIT OR MC TYPE. ANY EXTERIOR CONDUIT OR CONDUIT EXPOSED TO SUN, SHALL BE UV RESISTANT. WIRE AND CABLE SHALL BE SINGLE CONDUCTOR COPPER, WIRE SHALL BE TYPE THHN-2 OR XHHW-2 INSULATION RATED 90 DEGREES C, 600 VOLTS. WIRE NO.12 WAG AND LARGER SHALL BE STRANDED.
9. ELECTRICAL EQUIPMENT TO BE SURFACE MOUNTED, U.N.O.. PROVIDE PLASTIC LAMINATE PANEL DESIGNATION LABELS.
10. CIRCUIT BREAKERS. PROVIDE ALSO WHERE "SPARES" NOTED ON PANEL SCHEDULES.
11. FINAL CONNECTIONS TO LIGHTING FIXTURES SHALL BE 1/2" MINIMUM FLEXIBLE METALLIC CONDUIT, MANUFACTURER WIRING SYSTEMS, OR GALVANIZED STEEL TYPE MC CABLE. ALL WITH STEEL FITTINGS. FINAL CONNECTIONS TO MOTORS AND EQUIPMENT SUBJECT TO VIBRATION OR REMOVAL FOR MAINTENANCE SHALL BE LIQUID TIGHT FLEXIBLE METALLIC CONDUIT WITH STEEL LIQUID TIGHT FITTINGS.
12. BATTERY BACK-UP EXIT AND EMERGENCY LIGHTS SHALL BE FED FROM THE SAME CIRCUIT AS ADJACENT ROOM LIGHTING AND BE CONNECTED AHEAD OF ANY LOCAL SWITCHES.
13. OTHER THAN EXISTING ELECTRICAL EQUIPMENT NOTED TO REMAIN, ALL OTHER ELECTRICAL EQUIPMENT AND MATERIALS SHALL BE NEW AND LABELLED BY UNDERWRITERS LABORATORIES (UL) ELECTRICAL TESTING LABORATORIES (ETL) OR MET LABORATORIES (MET) OR OTHER RECOGNIZED LABORATORY.
14. CONDUCTORS BELOW GRADE OR SUBJECT TO MOISTURE SHALL BE XHHW.
15. PROVIDE FACTORY SERIES COORDINATION FOR ALL CIRCUIT BREAKERS (INCLUDING ALL BRANCH BREAKERS), RELATIVE TO "UPSTREAM" BREAKERS, SO THAT ONLY THE BREAKER CLOSEST IN THE CIRCUIT TO THE LOAD TRIPS UNDER AN OVERLOAD OF FAULT CONDITION.



Panel Schedule - PP-CTE											
Location: <u>West Wall</u>		Phase: <u>Single</u>		Main Size: <u>40</u> amps		Conduit Size: <u>1 1/2"</u>					
Mounting: <u>Surface</u>		Service: <u>120/240</u>		Feeder Wires: <u>2#6 + #10</u> gnd.							
Description	Wire Size	Watts	CB/P	Circuit No.	A	B	Circuit No.	CB/P	Watts	Wire Size	Description
Lighting - West	12	600	20/1	1	1680.0		2	20/1	1080	12	Receptacles - West
Lighting - East	12	600	20/1	3		1680.0	4	20/1	1080	12	Receptacles - East
Spare	-	0	20/1	5	0.0		6	20/1	0	-	Spare
Notes:					Phase 'A' Total:		1680 Watts				
					Phase 'B' Total:		1680 Watts				
1. SERVICE FROM EXISTING 60A PANEL IN ADJACENT ZOOLOGY BUILDING					Total Load:		3360 Watts				
2. FAULT CURRENT PANEL RATING = 22K					Total Amps:		14 A				



Schedule									
Symbol	Label	QTY	Manufacturer	Catalog	Description	Number Lamps	Lamp Output	LLF	Input Power
	A	8	Lithonia Lighting	MSL 8000LM L/V 40K BOCR1 E7W	HANGING LED LOW BAY, MOUNT AT 15' AFF.	1	8733	1	74.7
	A/EM	10	Lithonia Lighting	MSL 8000LM L/V 40K BOCR1 E7W	HANGING LED LOW BAY, MOUNT AT 15' AFF. WITH EM BATTERY PACK	1	8733	1	74.7
	B	2	Lithonia Lighting	DSX1 LED P1 30K T2M MVOLT G1	DSX1 LED P1 30K T2M MVOLT	1	6450	1	54
	X	2	Lithonia Lighting	LQM S W 3 R 120/277 EL N M6	LED EXIT SIGN WITH RED FACE AND WHITE HOUSING W/ AUTOMATIC EMERGENCY LIGHT, 90 MINUTE MIN. BATTERY PACK				4.3
	RH	2	Lithonia Lighting	ELA QWP	SINGLE REMOTE LED HEAD, INTERCONNECT TO ADJACENT EXIT SIGN, PROVIDE 90 MINUTE MIN. EMERGENCY OPERATION. COLOR TO BE SELECTED BY OWNER.				1.5

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ELECTRICAL



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OWNER REVIEW		03/15/24	JRN
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BULLETIN #2/ELECTRICAL		07/03/24	JRN
DRAWN BY JRN		REVIEWED BY DAK/JRN	

SCALE* AS NOTED

PLOT DATE	7/03/24
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JOB NO.	24-D-5345
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SHEET NO

E.100