

14932

OWNER:
CASS TOWNSHIP

PROJECT LOCATION:
5TH STREET
TRINWAY, OHIO 43842
MUSKINGUM COUNTY

GOVERNING CODE: OHIO BUILDING CODE, LATEST EDITION

USE GROUP - S2
CONSTRUCTION TYPE - IB
SQUARE FOOTAGE - SQ. FT. = 1600
DESIGN WIND SPEED - 90 MPH
MAXIMUM OCCUPANCY - 5

SEISMIC PERFORMANCE

SEISMIC USE GROUP - CATEGORY I
SPECTRAL RESPONSE COEFFICIENTS - 0.16
SITE CLASS - D
SEISMIC DESIGN CATEGORY - A
BASIC SEISMIC-FORCE-RESISTING SYSTEM - 5
RESPONSE MODIFICATION COEFFICIENT - 3.5
ANALYSIS PROCEDURE - NOTE 1
DESIGN BASE SHEAR - 0.32 KIPS

STANDARDS LOADS

GROUND SNOW LOADS - $P_g=25$ PSF
SLOPED ROOF SNOW LOAD - $P_s=17$ PSF
SNOW EXPOSURE FACTOR - $C_e=0.7$
SNOW LOAD IMPORTANCE FACTOR - $I=1.0$

WIND LOADS

BASIC WIND SPEED - $V=90$ MPH
WIND IMPORTANCE FACTOR - $I=1.0$
WIND EXPOSURE - EXPOSURE C
WIND DESIGN PRESSURE - OBC 1609.1.1
LEEWARD WALLS = 11.16 PSF
WINDWARD WALLS - 18.29 PSF

DESIGN LOADS

TCLL = 25 PSF
TCDL = 15 PSF
BCLL = 0 PSF
BCDL = 0 PSF



Mark J. Eicher
7-16-19



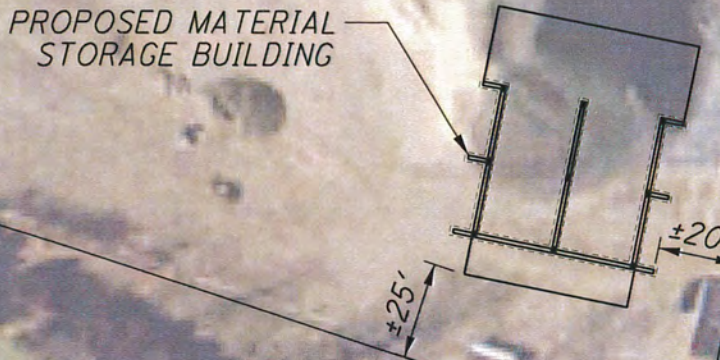
THESE PLANS WITH PERMIT MUST BE AVAILABLE TO INSPECTORS ON JOB SITE CALL FOR INSPECTIONS 740-455-7905

RECEIVED
JUL 18 2019
MID-EAST OHIO BUILDING DEPT.

OTHER APPROVALS REQUIRED
Check with Local Officials Zoning Approval, Storm Water Runoff Approval, Floodplain Administration Approval, Fire Department Review, Local Building Permit may be required before construction

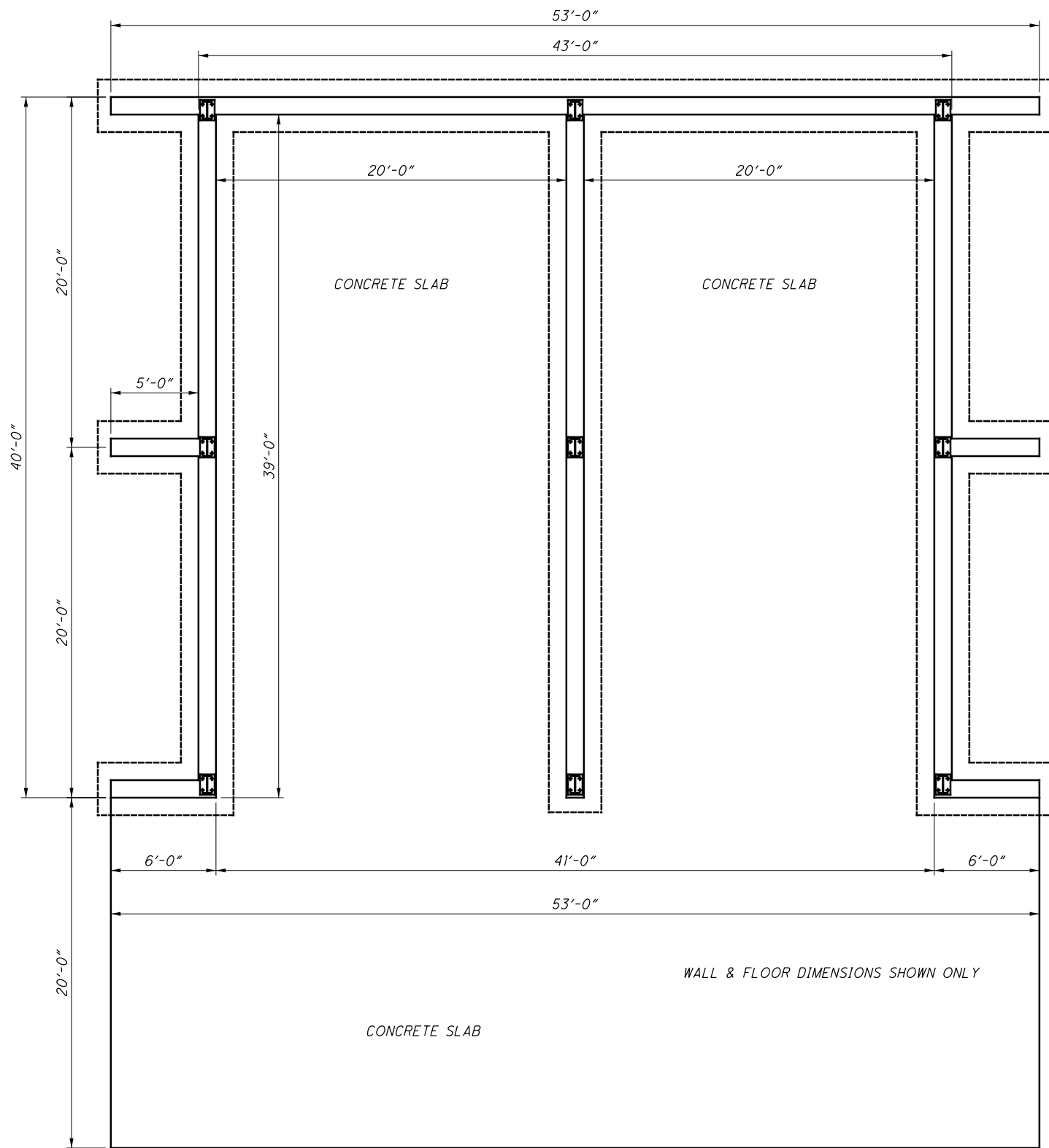
STRUCTURAL
The sufficiency of the Structural elements indicated in the plans and specifications to meet all building code requirements is the responsibility of the author and design professionals of the plans and specifications

MID-EAST OHIO BUILDING DEPARTMENT APPROVED AS NOTED
BY: *David B. [Signature]*
DATE: 7/16/2019



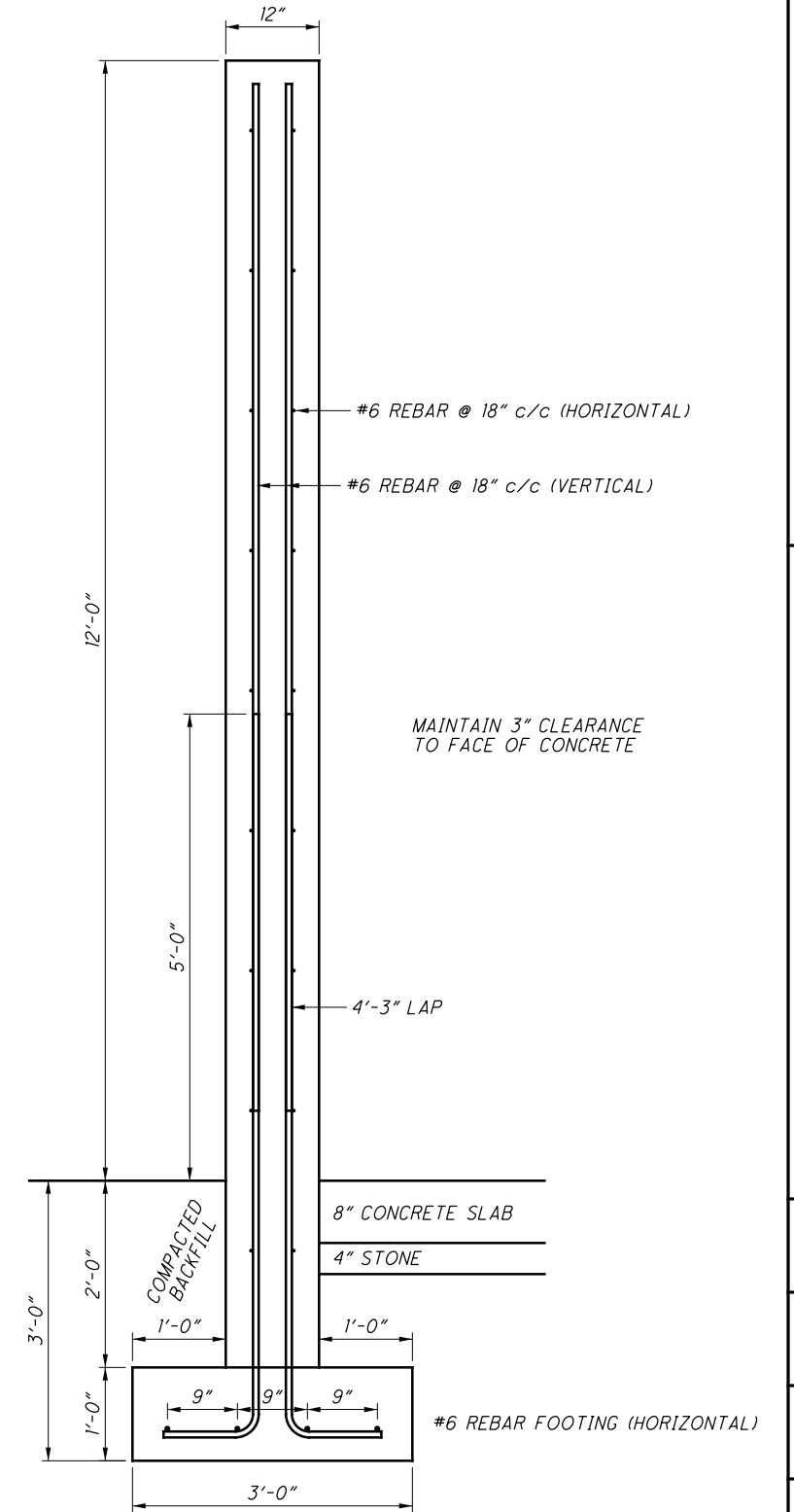
SITE LAYOUT
1" = 40'

PREPARED BY: Mark J. Eicher, P.E., P.S. 155 Rehl Road Zanesville, Ohio 43701 Muskingum County ENGINEER'S OFFICE 740-454-0155
PROJECT NAME: CASS TOWNSHIP MATERIAL STORAGE
PROJECT LOCATION: 5TH STREET TRINWAY, OHIO 43842
PLANS APPROVED BY: MJE
PLANS PREPARED BY: SEJ
DATE: 7-16-19
REVISIONS:
SHEET SIZE: 11" x 17"
SHEET NAME: TITLE SHEET
SHEET NUMBER: 1/4



FOUNDATION PLAN

1/8" = 1'



TYPICAL WALL SECTION

1/2" = 1'

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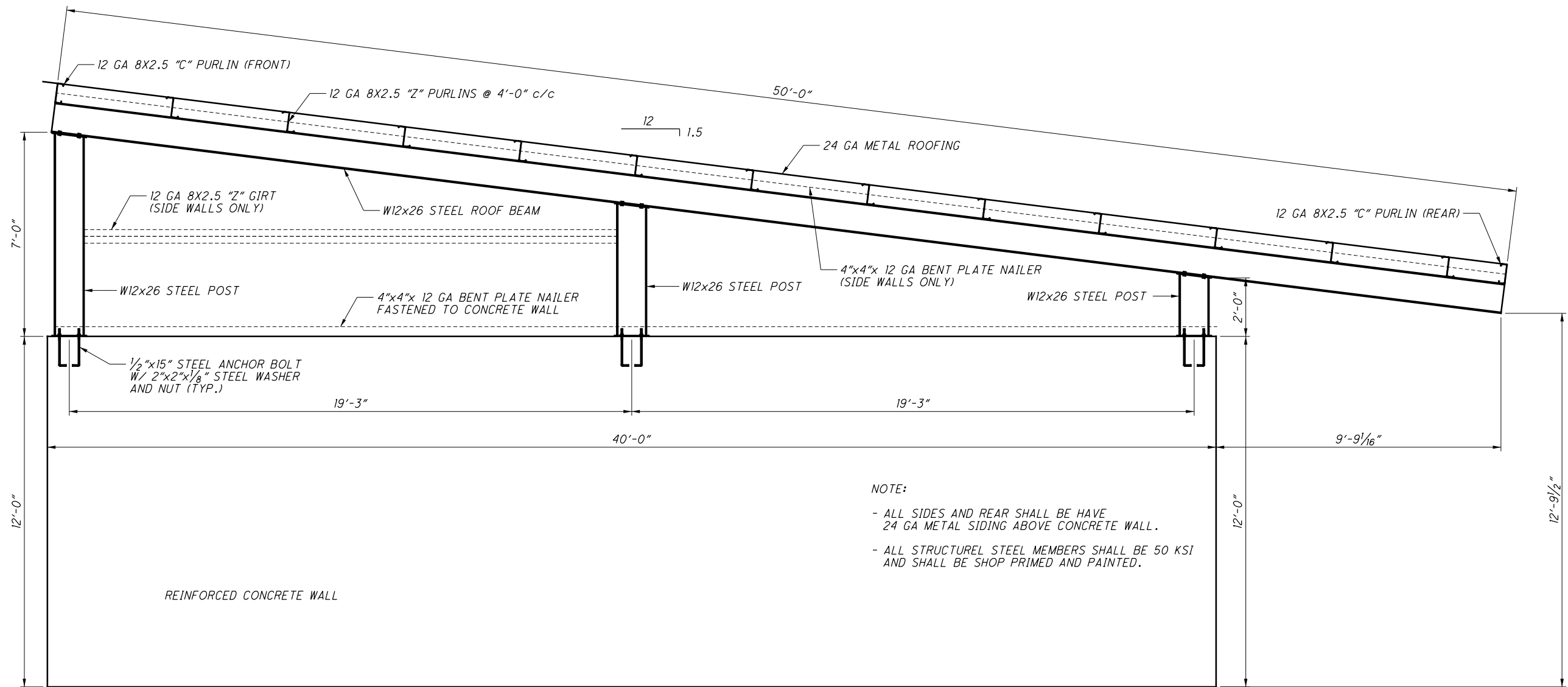
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FOUNDATION PLAN

SHEET NUMBER:

2

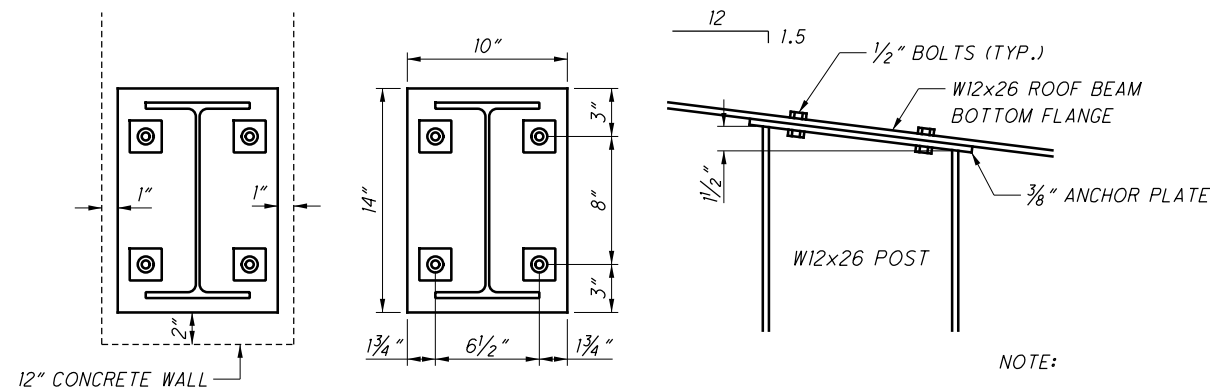
4



TYPICAL BUILDING SECTION

1/4" = 1'

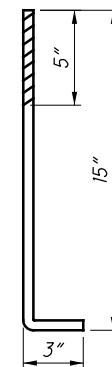
- NOTE:
- ALL SIDES AND REAR SHALL BE HAVE 24 GA METAL SIDING ABOVE CONCRETE WALL.
 - ALL STRUCTUREL STEEL MEMBERS SHALL BE 50 KSI AND SHALL BE SHOP PRIMED AND PAINTED.



ANCHOR PLATE DETAILS

1" = 1'

- NOTE:
- 3/8" ANCHOR PLATE SHALL BE FILLET WELDED TO POST TOP AND BOTTOM.
 - ALL WASHERS TO BE 2"x2"x1/8"



ANCHOR BOLT DETAIL

NOT TO SCALE

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MATERIAL STORAGE
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DATE:

7-16-19

REVISED:

SHEET SIZE:

11" x 17"

SHEET NAME:

ROOF PLAN

SHEET NUMBER:

3
4

GENERAL SPECIFICATIONS:

1. THE GENERAL STRUCTURAL NOTES ARE INTENDED TO AUGMENT THE DRAWINGS AND SPECIFICATIONS. SHOULD CONFLICT EXISTS BETWEEN THE DRAWINGS AND SPECIFICATIONS, NOTES AND THE GENERAL NOTES; THE STRICTEST PROVISION SHALL GOVERN.
2. 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 PROCEDURES AND SEQUENCE AND TO INSURE THE SAFETY OF THE BUILDING AND ITS COMPONENT PARTS DURING ERECTION. THIS INCLUDES THE ADDITION OF WHATEVER TEMPORARY BRACING, GUYS, OR TIE-DOWNS WHICH MIGHT BE NECESSARY. SUCH MATERIAL SHALL REMAIN THE CONTRACTORS PROPERTY AFTER COMPLETION OF PROJECT.
3. IT IS THE CONTRACTORS SOLE RESPONSIBILITY TO FOLLOW ALL APPLICABLE SAFETY CODES AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION.
4. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND CONDITIONS RELATING TO EXISTING CONSTRUCTION AND EXISTING SERVICES ON THE SITE.
5. CONTRACTOR SHALL REMOVE ALL VEGETATION IN EXCAVATION AREA.
6. CONTRACTOR SHALL CUT AND/OR FILL AND COMPACT TO ESTABLISHED GRADE ELEVATION. ADDITIONAL EARTH TO BE MOVED TO AREA DETERMINED BY OWNER.
7. CONTRACTOR SHALL REMOVE FROM PROJECT AND DISPOSE OF ALL RUBBISH AND TRASH.
8. ALL AREAS DISTURBED BY CONTRACTOR SHALL BE BULLDOZER GRADED UPON COMPLETION.
9. CONTINGENCIES - PROVIDE LEAN CONCRETE UNDER FOUNDATION FOR ACCIDENTAL OVER-EXCAVATION AND ALL SOFT SPOTS.
10. GOVERNING CODES: OHIO BUILDING CODE, NATIONAL ELECTRIC CODE, NATIONAL FIRE PROTECTION ASSOCIATION; LATEST EDITION.
11. CONTRACTOR SHALL VERIFY LOCATION OF COLUMNS, WALL OPENINGS, ETC.; WITH EACH DRAWING BEFORE CONSTRUCTION.

FOUNDATION NOTES:

CONCRETE:
 CLASS 1 - FOOTINGS, ALL INTERIOR 3000 PSI
 CLASS 2 - EXTERIOR, 6% PLUS OR MINUS 2% AIR 4000 PSI
 CLASS 3 - MASONRY FILL - 6" SLUMP 3/8" MAX. AGGREGATES 3000 PSI

EARTH:
 COMPACTED FILL MINIMUM 2000 PSF WITH MODIFIED PROCTOR

UNDISTURBED SOIL:
 SOIL BEARING CAPACITY = 2000 PSF

CONCRETE SPECIFICATIONS:

COLD WEATHER CONSTRUCTION EXPOSED TO FREEZING AND THAWING, OR DEICER CHEMICALS SHALL BE AIR-ENTRAINED WITH 6% PLUS OR MINUS 1.5% OF MEADOWS SEAL-TIGHT SINGLE STRENGHT AIR-ENTRAINING AGENT OR EQUAL; USING 1 OUNCE OF AGENT PER BAG OF CEMENT AND HYDRASET CONCRETE ACCELERATOR USING 1 QT. PER BAG OF CEMENT. "NO CONSTRUCTION OF CEMENT OR MORTAR SHALL BE DONE WHEN TEMPERATURE IS 32°F OR BELOW." CONTRACTOR SHALL USE GOOD CONCRETING PRACTICES, WHICH INCLUDE THE HEATING OF THE WATER AND AGGREGATE. ADEQUATE EQUIPEMENT SHALL BE PROVIDED FOR HEATING, CONCRETE MATERIALS AND PROTECTING CONCRETE AND MORTAR FROM FREEZING WEATHER.

NO CONSTRUCTION OF CEMENT OR MORTAR SHALL BE DONE WHEN TEMPERATURE IS 32°F OR BELOW. COLD WEATHER PROCEDURES SHALL BE IMPLEMENTED WHEN EITHER THE AMBIENT TEMPERATURE FALLS BELOW 40°F OR THE TEMPERATURE OF MASONRY UNITS IS BELOW 40°F.

VISIBLE ICE ON MASONRY UNITS SHALL BE REMOVED BEFORE THE UNIT IS LAID IN MASONRY.

MORTAR SAND OR MIXING WATER SHALL BE HEATED TO PRODUCE MORTAR TEMPERATURES BETWEEN 40°F AND 120°F AT THE TIME OF MIXING. MORTAR SHALL BE MAINTAINED ABOVE 40°F UNTIL USED IN MASONRY.

WHEN MEAN DAILY TEMPERATURES ARE BETWEEN 32°F AND 40°F, COMPLETED MASONRY SHALL BE PROTECTED FROM RAIN OR SNOW BY COVERING WITH A WEATHER RESISTANT MEMBRANE FOR 24 HOURS AFTER CONSTRUCTION.

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 Zanesville, Ohio 43701
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