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ARCANUM BOOSTER STADIUM
PHASE III IMPROVEMENTS

310 NORTH MAIN STREET, ARCANUM, OHIO 45304

CONSTRUCTION DOCUMENTS **01/06/2026**

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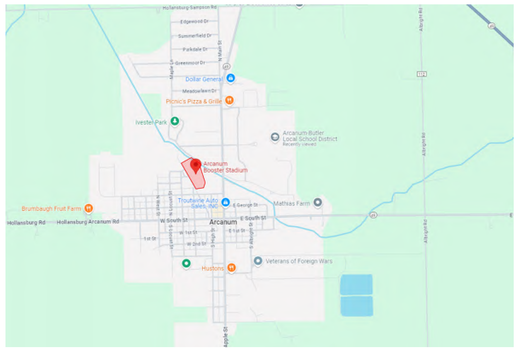
(CONCEPTUAL RENDERING)



CIVIL ENGINEER:

MOTE & ASSOCIATES

214 WEST FOURTH STREET
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Mote & Associates
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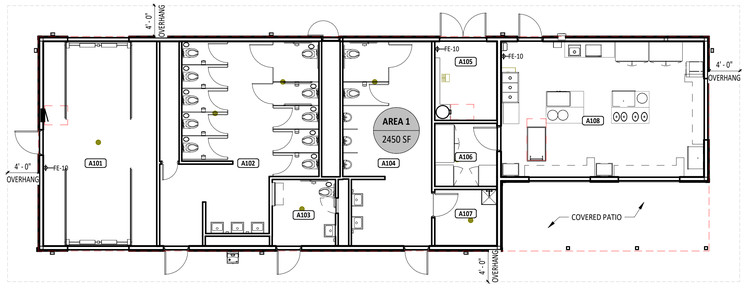
Jezerinac Geers
Structural Engineering



1 G0.1 **FIRST FLOOR CODE PLAN**
1/8" = 1'-0"

BOARD OF EDUCATION

BOARD PRESIDENT.....KELLY NORRIS
BOARD VICE PRESIDENT.....MARK TRASK
BOARD MEMBER.....MIKE FEARON
BOARD MEMBER.....ERIC MOORE
BOARD MEMBER.....JOE LEMASTER

ADMINISTRATION

SUPERINTENDENT.....JOHN STEPHENS
TREASURER.....MATT HUFFMAN
HIGH SCHOOL ATHLETIC DIRECTOR.....ABBEY MOORE
MIDDLE SCHOOL ATHLETIC DIRECTOR.....MATT MACY

CONCESSION/RESTROOM/STORAGE BUILDING

OCCUPANCY / USE GROUP: A-S/ S-1 (NON-SEPARATED MIXED-USE)

CONSTRUCTION TYPE: TYPE V-B

ALLOWABLE AREA (TABLE 506.2): 9,000 SF

AUTOMATIC SPRINKLER AREA INCREASE (TABLE 506.3) (200%): NOT APPLICABLE

BUILDING FRONTAGE AREA INCREASE (TABLE 506.3): 9,000 SF

ACTUAL BUILDING AREA: SEE SCHEDULE

CODE INFORMATION

BUILDING DESCRIPTION: NEW CONCESSION STAND, RESTROOM, AND STORAGE BUILDING AT THE FOOTBALL AND TRACK & FIELD STADIUM.

APPLICABLE CODE: 2024 OHIO BUILDING CODE (OBC)

OCCUPANT LOAD: 1,500 OCCUPANTS

DESIGN UNIFORM LOAD: SEE STRUCTURAL SHEETS

PLUMBING FIXTURE COUNT

1,500 OCCUPANTS

FIXTURES REQUIRED

750 / 75 = 10 WATER CLOSET(S) - MALE	10 / 2 = 5
750/ 40 = 19 WATER CLOSET(S) - FEMALE	19 / 2 = 10
750 / 200 = 4 LAVATORY(IES) - MALE	4 / 2 = 2
750/ 150 = 5 LAVATORY(IES) - FEMALE	5 / 2 = 3
750/ 1000 = 1 DRINKING FOUNTAIN(S)	2 / 2 = 1
1 SERVICE SINK(S)	

ACTUAL PROVIDED
2 WATER CLOSET(S) - MALE
3 URINAL(S) - MALE
2 LAVATORY(IES) - MALE
10 WATER CLOSET(S) - FEMALE
3 LAVATORY(IES) - FEMALE
2 DRINKING FOUNTAIN(S)
1 SERVICE SINK(S)
1 UNISEX TOILET ROOMS (WC AND LAVATORY)

CODE PLAN LEGEND

X — OCCUPANT LOAD THROUGH EXIT

XX / XXX — CLEAR EXIT WIDTH / ALLOWABLE NUMBER OF OCCUPANTS THROUGH EXIT

OCCUPANCY GROUPS USED

A ASSEMBLY
S STORAGE

OCCUPANCY TABULATION PER 2024 OBC TABLE 1004.1.2 - L1

ROOM NUMBER	NAME	AREA (GROSS)	AREA (NET)	OCCUPANT LOAD FACTOR	OCCUPANT(S)	NUMBER OF EXITS
A101	STORAGE ROOM	394 SF	394 SF	300	2	1
A102	WOMEN'S RESTROOM	431 SF	431 SF	0		1
A103	FAMILY RESTROOM	72 SF	72 SF	0		1
A104	MEN'S RESTROOM	297 SF	297 SF	0		1
A105	MECHANICAL ROOM	83 SF	83 SF	300	1	1
A106	STORAGE ROOM	67 SF	67 SF	300	1	1
A107	JANITOR CLOSET	60 SF	60 SF	300	1	1
A108	CONCESSION STAND	467 SF	467 SF	100	5	1

FIRE EXTINGUISHER / CABINET SCHEDULE

MARK	DESCRIPTION	NOTES
FE-10	FIRE EXTINGUISHER - 10.0LB - CLASS A:B:C ON WALL MOUNTED HANGER	FURNISHED AND INSTALLED BY GC

BUILDING AREA SCHEDULE

AREA NUMBER	LEVEL	AREA	NOTES
AREA 1	FIRST FLOOR	2450 SF	
Grand total		2450 SF	

ARCHITECTS
MECHANICAL, ELECTRICAL & PLUMBING ENGINEERS
LANDSCAPE ARCHITECTS
TECHNOLOGY DESIGNERS
INTERIOR DESIGNERS
MASTER PLANNING

GARMANN MILLER

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1690 BROADWAY
SUITE 19-455
FORT WAYNE, INDIANA
260.299.4240

STATE OF OHIO
MATTHEW R. HIBNER
1416052
REGISTERED ARCHITECT
MATTHEW R. HIBNER
LICENSE #1416052
EXPIRATION DATE: 12/31/2027

GARMANN MILLER
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ctrdesign.com

NEW BUILDING FOR
ARCANUM BOOSTER STADIUM
PHASE III IMPROVEMENTS
310 NORTH MAIN STREET, ARCANUM, OHIO 45304

ISSUANCES/REVISIONS

CONSTRUCTION DOCUMENTS	01/06/2026

PROJECT NUMBER:	DRAWN BY:	CHECKED BY:
23047.03	KMV	MRH

SHEET TITLE:
COVER SHEET

SHEET NUMBER:
G0.1

PRINTED ON: 1/8/2026 12:13:53 PM

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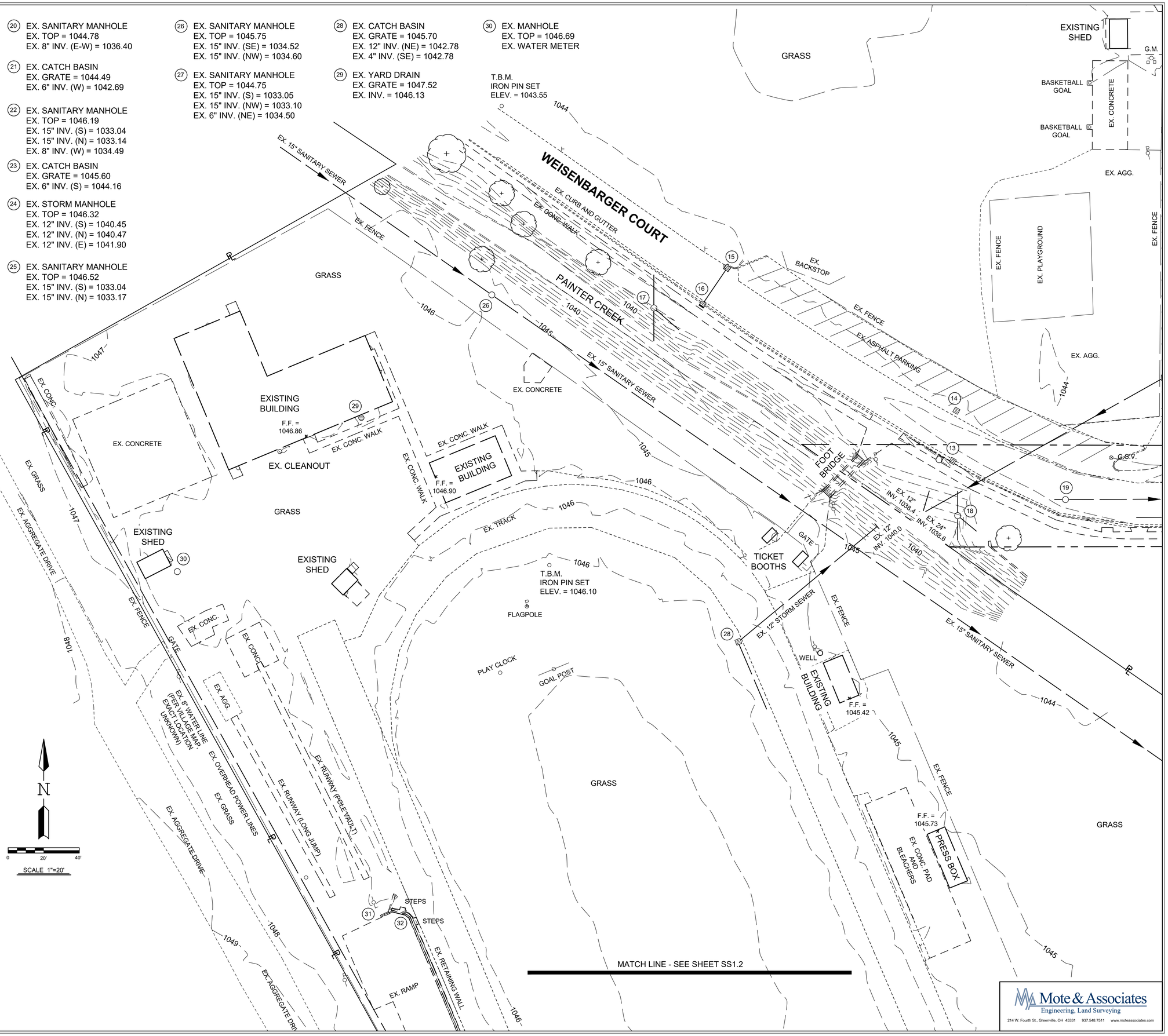
1. EX. SPRINKLER
   EX. TOP = 1045.02
2. EX. YARD DRAIN
   EX. GRATE = 1045.79
3. EX. YARD DRAIN
   EX. GRATE = 1045.75
4. EX. YARD DRAIN
   EX. GRATE = 1045.72
5. EX. YARD DRAIN
   EX. GRATE = 1045.32
   EX. INV. = 1040.97
6. EX. CATCH BASIN
   EX. GRATE = 1044.84
   EX. 8" INV. (W) = 1041.58
   EX. 6" INV. (NE) = 1041.69
7. EX. CATCH BASIN
   EX. GRATE = 1044.69
   EX. 12" INV. (S) = 1040.18
   EX. 8" INV. (E) = 1040.24
8. EX. STORM MANHOLE
   EX. TOP = 1045.21
   EX. 8" INV. (W) = 1041.56
   EX. 8" INV. (E) = 1041.59
   EX. 8" INV. (N) = 1041.61
9. EX. STORM MANHOLE
   EX. TOP = 1045.42
   EX. 8" INV. (W) = 1040.89
   EX. 8" INV. (E) = 1040.97
10. EX. STORM MANHOLE
    EX. TOP = 1044.81
    EX. 12" INV. (SW) = 1040.69
    EX. 12" INV. (N) = 1040.96
    EX. 8" INV. (E) = 1040.78
11. EX. CATCH BASIN
    EX. GRATE = 1044.23
    EX. 15" INV. (S) = 1039.82
    EX. 12" INV. (N) = 1039.83
    EX. 4" INV. (E) = 1042.78
12. EX. CATCH BASIN
    EX. GRATE = 1043.68
    EX. 6" INV. (W) = 1042.10
13. EX. CATCH BASIN
    EX. GRATE = 1043.47
    EX. BTM. = 1039.15
14. EX. CATCH BASIN
    EX. GRATE = 1043.52
    EX. 6" INV. (W) = 1042.07
15. EX. CATCH BASIN
    EX. GRATE = 1042.94
    EX. 4" INV. (SW) = 1042.24
16. EX. CATCH BASIN
    EX. GRATE = 1043.63
    EX. 4" INV. (NE) = 1041.63
17. EX. STORM MANHOLE
    EX. TOP = 1044.34
    EX. 12" INV. (SE) = 1038.52
    EX. 12" INV. (N) = 1038.31
    EX. 12" INV. (S) = 1038.34
18. EX. STORM MANHOLE
    EX. TOP = 1044.21
    EX. 12" INV. (S) = 1038.56
    EX. 12" INV. (N) = 1038.66
    EX. 6" INV. (SE) = 1039.81
19. EX. SANITARY MANHOLE
    EX. TOP = 1044.18
    EX. 8" INV. (E-W) = 1037.22
20. EX. SANITARY MANHOLE
    EX. TOP = 1044.78
    EX. 8" INV. (E-W) = 1036.40
21. EX. CATCH BASIN
    EX. GRATE = 1044.49
    EX. 6" INV. (W) = 1042.69
22. EX. SANITARY MANHOLE
    EX. TOP = 1046.19
    EX. 15" INV. (S) = 1033.04
    EX. 15" INV. (N) = 1033.14
    EX. 8" INV. (W) = 1034.49
23. EX. CATCH BASIN
    EX. GRATE = 1045.60
    EX. 6" INV. (S) = 1044.16
24. EX. STORM MANHOLE
    EX. TOP = 1046.32
    EX. 12" INV. (S) = 1040.45
    EX. 12" INV. (N) = 1040.47
    EX. 12" INV. (E) = 1041.90
25. EX. SANITARY MANHOLE
    EX. TOP = 1046.52
    EX. 15" INV. (S) = 1033.04
    EX. 15" INV. (N) = 1033.17
26. EX. SANITARY MANHOLE
    EX. TOP = 1044.78
    EX. 15" INV. (SE) = 1034.52
    EX. 15" INV. (NW) = 1034.60
27. EX. SANITARY MANHOLE
    EX. TOP = 1045.75
    EX. 15" INV. (S) = 1033.05
    EX. 15" INV. (NW) = 1033.10
    EX. 6" INV. (NE) = 1034.50
28. EX. CATCH BASIN
    EX. GRATE = 1045.70
    EX. 12" INV. (NE) = 1042.78
    EX. 4" INV. (SE) = 1042.78
29. EX. YARD DRAIN
    EX. GRATE = 1047.52
    EX. INV. = 1046.13
30. EX. MANHOLE
    EX. TOP = 1046.69
    EX. WATER METER



N

0 20' 40'

SCALE 1"=20'

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STATE OF OHIO
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REGISTERED PROFESSIONAL SURVEYOR

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NEW BUILDING FOR

ARCANUM BOOSTER STADIUM PHASE III IMPROVEMENTS

310 NORTH MAIN STREET, ARCANUM, OHIO 45304

ISSUANCES/REVISIONS

CONSTRUCTION DOCUMENTS	1/06/2026

PROJECT NUMBER:	DRAWN BY:	CHECKED BY:
23047.03	TJB	LJB

SHEET TITLE:

SITE SURVEY

SHEET NUMBER:

SS1.1

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(31) EX. TRENCH DRAIN
EX. GRATE = 1047.44

(32) EX. TRENCH DRAIN
EX. GRATE = 1047.48

(33) EX. STORM MANHOLE
EX. TOP = 1044.66
EX. 12" INV. = (NE) = 1039.06
EX. 12" INV. (SW) = 1039.09
EX. 6" INV. (SE) = 1040.68

(34) EX. SANITARY MANHOLE
EX. TOP = 1044.96
EX. 8" INV. (SW) = 1039.86
EX. 8" INV. (SE) = 1039.88

(35) EX. SANITARY MANHOLE
EX. TOP = 1045.14
EX. 8" INV. = (S) = 1038.44
EX. 8" INV. (NE) = 1038.49

(36) EX. SANITARY MANHOLE
EX. TOP = 1048.30
EX. 8" INV. (S) = 1038.60
EX. 8" INV. (N-E) = 1038.64

(37) EX. SANITARY MANHOLE
EX. TOP = 1047.77
EX. 15" INV. (E) = 1033.07
EX. 15" INV. (N) = 1033.12
EX. 8" INV. (S) = 1043.92
EX. 4" INV. (NE) = 1043.67

(38) EX. STORM MANHOLE
EX. TOP = 1046.36
EX.12" INV. (NE) = 1041.36
EX. 12" INV. (SW) = 1041.39
EX. 4" INV. (SE) = 1043.51

(39) EX. SANITARY MANHOLE
EX. TOP = 1045.99
EX. 8" INV. (W) = 1039.96

(40) EX. SANITARY MANHOLE
EX. TOP = 1044.97
EX. 15" INV. (NE) = 1033.01
EX. 15" INV. (W) = 1033.01

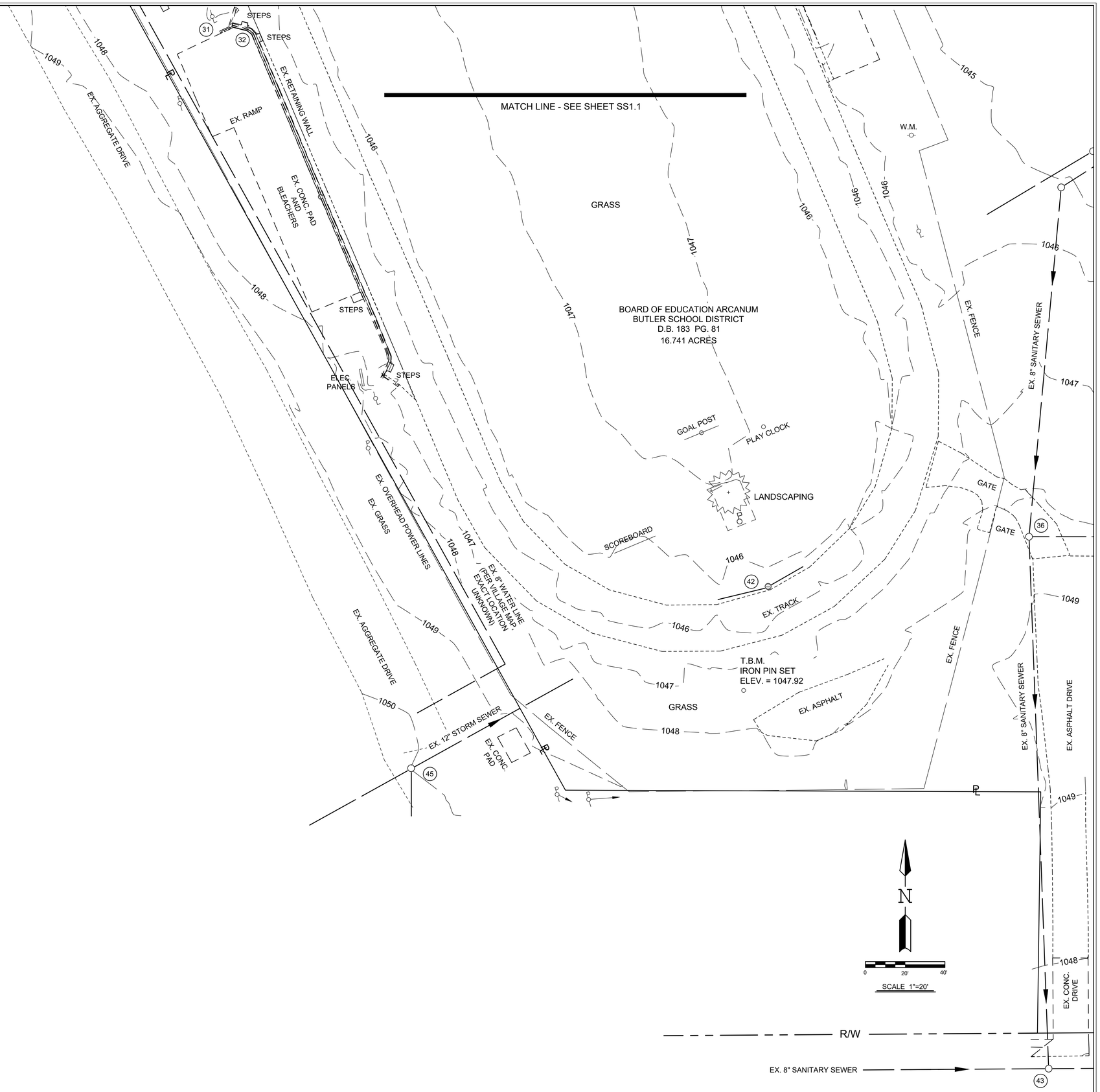
(41) EX. STORM MANHOLE
EX. TOP = 1045.33
EX. 12" INV. (N) = 1039.68
EX. 12" INV. (S) = 1039.72

(42) EX. YARD DRAIN
EX. GRATE = 1045.72
INV. (E-W) = 1043.95

(43) EX. SANITARY MANHOLE
EX. TOP = 1047.15
EX. 8" INV. (E) = 1037.45
EX. 8" INV. (N) = 1037.49
EX. 8" INV. (W) = 1039.10

(44) EX. MANHOLE
EX. TOP = 1046.69

(45) EX. STORM MANHOLE
EX. TOP = 1049.99
EX. 12" INV. (NE) = 1043.09
EX. 12" INV. (SW) = 1043.12
EX. 6" INV. (S) = 1045.34



WEST NORTH STREET

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STATE OF OHIO
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PROFESSIONAL SURVEYOR

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NEW BUILDING FOR

ARCANUM BOOSTER STADIUM PHASE III IMPROVEMENTS

310 NORTH MAIN STREET, ARCANUM, OHIO 45304

ISSUANCES/REVISIONS

CONSTRUCTION DOCUMENTS	1/06/2026

PROJECT NUMBER:	DRAWN BY:	CHECKED BY:
23047.03	TJB	LJB

SHEET TITLE:

SITE SURVEY

SHEET NUMBER:

SS1.2

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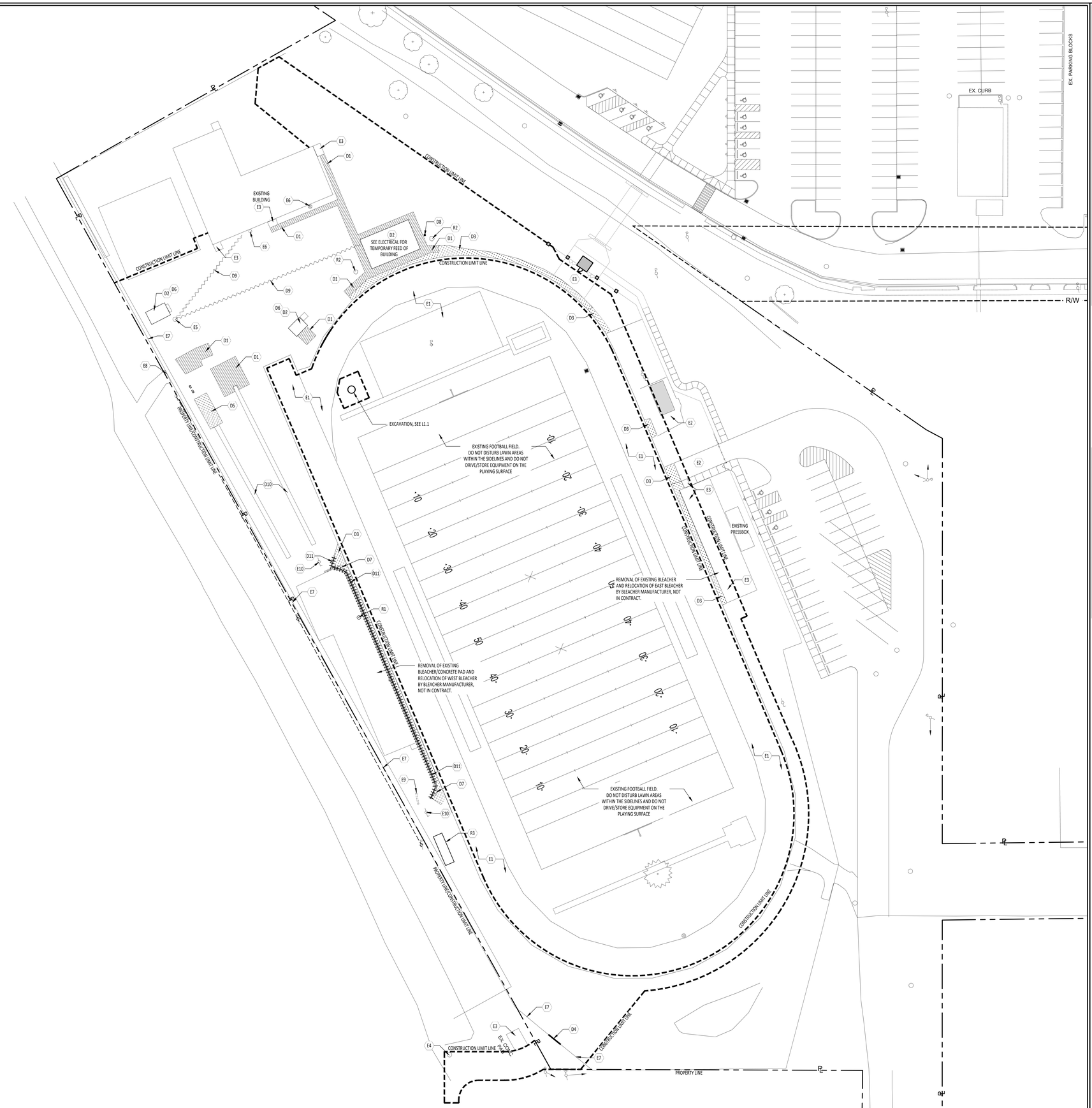

1 LD1.1 SITE DEMOLITION PLAN
1" = 30'-0"

KEYNOTE SCHEDULE

	DEMOLITION
D1	REMOVE CONCRETE
D2	REMOVE BUILDING STRUCTURE, FOUNDATIONS AND FOOTERS
D3	REMOVE ASPHALT PAVEMENT
D4	REMOVE CHAINLINK FENCE
D5	REMOVE LONG JUMP AGGREGATE
D6	DISCONNECT ELECTRIC SERVICE TO BUILDING PRIOR TO REMOVAL OF BUILDING. COORDINATE WORK WITH UTILITY COMPANY AND OWNER.
D7	REMOVE PRE-CAST STEPS
D8	REMOVE EXISTING SPEAKER FROM WOOD POLE AND TURN OVER TO OWNER. REMOVE EXISTING POLE AND ASSOCIATED OVERHEAD SOUND CONDUIT AND UNDERGROUND ELECTRIC CONDUIT.
D9	REMOVE EXISTING WATERLINE, VERIFY LOCATION IN FIELD
D10	REMOVE TRACK SURFACE AND ASSOCIATED BASE
D11	REMOVE EXISTING MODULAR WALL
	EXISTING
E1	EXISTING TRACK SURFACE
E2	EXISTING ASPHALT
E3	EXISTING CONCRETE
E4	EXISTING MANHOLE TO REMAIN
E5	EXISTING WATER METER PIT
E6	EXISTING CLEANOUT TO REMAIN
E7	EXISTING CHAINLINK FENCE
E8	EXISTING CHAINLINK GATE
E9	EXISTING ELECTRICAL METER, SEE ELECTRICAL DRAWINGS
E10	EXISTING LIGHTPOLE TO REMAIN
	SALVAGE/RELOCATE
R1	SALVAGE EXISTING VICTORY BELL, SEE SHEET L1.1 FOR RELOCATION
R2	SALVAGE EXISTING MEMORIAL ROCK, SEE SHEET L1.1 FOR RELOCATION
R3	SALVAGE EXISTING FREESTANDING BLEACHER AND TURN OVER TO OWNER

LEGEND

- KEY NOTE DESIGNATION-REFER TO NOTES THIS SHEET
- REMOVE
- SAWCUT AND REMOVE ASPHALT
- SAWCUT AND REMOVE CONCRETE
- REMOVE UNDERGROUND UTILITY
- REMOVE MODULAR RETAINING WALL

GENERAL NOTES

A.	CALL O.U.P.S. AT 1-800-362-2764 FOR UNDERGROUND UTILITY INFORMATION
B.	CALL 1-800-925-0988 FOR OIL & GAS PRODUCERS UNDERGROUND PROTECTION SERVICE
C.	SEE "KNOW WHAT'S BELOW" AT www.call811.com OR CALL 811
D.	FIELD VERIFY DIMENSIONS AND CONDITIONS PRIOR TO START OF CONSTRUCTION. NOTIFY OWNER'S REPRESENTATIVE IMMEDIATELY OF ANY DISCREPANCY OR SITUATION DISCOVERED THAT DOES NOT CONFORM TO CONSTRUCTION DOCUMENTS.
E.	WORK PERFORMED IS SUBJECT TO APPROVAL BY THE OWNER'S REPRESENTATIVE AND OWNER. WORK FOUND TO BE UNSATISFACTORY SHALL BE REMOVED AND PROPERLY REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
F.	PAVING, FOOTINGS AND OTHER SITE IMPROVEMENTS ARE TO BE REMOVED IN THEIR ENTIRETY UNLESS OTHERWISE NOTED. THIS INCLUDES ALL BASE MATERIAL.
G.	ITEMS AND MATERIAL NOTES AS 'REMOVE' SHALL BE PROPERLY DISPOSED OF BY CONTRACTOR OFF SITE. SALVAGED ITEMS SHALL BE TURNED OVER TO OWNER
H.	TEMPORARILY SUPPORT WALLS, HEADERS, STRUCTURES, PIPING, DUCTWORK, CONDUIT, ETC., AS REQUIRED UNTIL FINAL SUPPORTS ARE IN PLACE.
I.	PATCH & REPAIR ALL AREAS, SURFACES & MATERIALS TO CONDITION OF SURROUNDING AREA WHERE LEFT EXPOSED TO VIEW.
J.	CLOSELY COORDINATE WORK WITH THE OWNER AND WITH OTHER CONTRACTORS HIRED BY THE OWNER. CLARIFY IN ADVANCE ANY QUESTIONS AS TO SCOPE OF WORK AND AREAS OF RESPONSIBILITY.
K.	PATCH AND REPAIR DISTURBED LAWN AREAS.

STATE OF OHIO
MATTHEW R. HIBNER 14160552 REGISTERED ARCHITECT
MATTHEW R. HIBNER
LICENSE #14160552
EXPIRATION DATE: 12/31/2027

GARMANN MILLER
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NEW BUILDING FOR

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310 NORTH MAIN STREET, ARCANUM, OHIO 45304

ISSUANCES/REVISIONS	
CONSTRUCTION DOCUMENTS	01/06/2026

PROJECT NUMBER:	DRAWN BY:	CHECKED BY::
23047.03	MAD	SKE

SHEET TITLE:

SITE DEMOLITION PLAN

SHEET NUMBER:

LD1.1

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(1) PROP. HEADWALL, AS PER PLAN
12" INV. = 1040.58
INSTALL 3 C.Y. ROCK CHANNEL PROTECTION, TYPE 'C' W/FILTER

(2) PROP. DISCHARGE STRUCTURE, AS PER PLAN
SEE DETAIL ON SHEET C2.0
TOP = 1045.50
6" ORIFICE = 1043.25
12" INV. = 1041.00
3/4" INV. = 1041.00

(3) PROP. HEADWALL, AS PER PLAN
12" INV. = 1042.00
INSTALL 3 C.Y. ROCK CHANNEL PROTECTION, TYPE 'C' W/FILTER

(4) PROP. DRAIN BASIN, AS PER PLAN **
GRATE = 1046.50 (INSTALL SQUARE GRATE)
12" INV. = 1042.30

(5) PROP. DRAIN BASIN, AS PER PLAN **
GRATE = 1046.40 (INSTALL SQUARE GRATE)
12" INV. = 1042.63
6" INV. = 1043.13

(6) PROP. DRAIN BASIN, AS PER PLAN **
GRATE = 1046.00
12" INV. = 1042.92

(7) PROP. DRAIN BASIN, AS PER PLAN **
GRATE = 1046.50
12" INV. = 1043.15

(8) PROP. DRAIN BASIN, AS PER PLAN **
GRATE = 1046.50
12" INV. = 1043.41
8" INV. = 1043.41

(9) PROP. DRAIN BASIN, AS PER PLAN **
GRATE = 1046.50
8" INV. = 1043.89

(10) PROP. DRAIN BASIN, AS PER PLAN **
GRATE = 1047.00
8" INV. = 1044.25
4" INV. = 1044.25 (FOR RETAINING WALL DRAIN LINE OUTLET)

(11) PROP. DRAIN BASIN, AS PER PLAN **
GRATE = 1046.15 (INSTALL SQUARE GRATE)
12" INV. = 1042.82

(12) PROP. DRAIN BASIN, AS PER PLAN **
GRATE = 1045.90 (INSTALL SQUARE GRATE)
12" INV. = 1043.52

* CONNECT DRAIN LINE TO STORM SEWER SYSTEM WITH A MANUFACTURED INSERTION TEE.

NOTE:
THE SANITARY SEWER LATERAL SHALL BE PVC SDR-35.

(S1) CONNECT TO EX. 15" SANITARY SEWER
CONNECT WITH A MANUFACTURED INSERTION TEE CONNECTION.
EX. 15" INV. = ±1034.1 (FIELD VERIFY)

(S2) CONNECT TO EXISTING BUILDING SANITARY LATERAL. FIELD VERIFY EXISTING LATERAL SIZE.

(1) EX. MANHOLE
EX. TOP = 1046.69
EX. WATER METER
(TO REMAIN IN SERVICE)
ABANDON/CAP ANY LINES OR ITEMS THAT ARE NO LONGER NEEDED
ADJUST TOP ELEVATION TO 1047.0

(2) EX. WATER SERVICE
EXACT LOCATION UNKNOWN.
TO BE REMOVED.

(3) EX. YARD DRAIN
EX. GRATE = 1047.52
EX. INV. = 1046.13
(ADJUST GRATE ELEVATION TO BE FLUSH WITH PROPOSED GRADE. CONNECT TO PROPOSED DRAINAGE SYSTEM, AS NEEDED)

N

0 20' 40'

SCALE 1"=20'

1045.00 DESIGN GRADES

EX-1044.20 EX. SPOT ELEVATIONS

NOTES:
THE PROPERTY LINES AND RIGHT OF WAYS SHOWN ON THE SITE SURVEY ARE BASED ON INFORMATION FROM THE DARKE COUNTY GIS DEPARTMENT, NO ACTUAL PROPERTY SURVEY WAS COMPLETED.

THE CONTRACTOR SHALL HAVE ALL UNDERGROUND UTILITIES MARKED BY THEIR RESPECTIVE OWNERS AND SHALL FIELD VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION.

STM-1 PROP. 42 L.F. - 12" STORM SEWER @ 1.00%
STM-2 PROP. 30 L.F. - 12" STORM SEWER @ 1.00%
STM-3 PROP. 66 L.F. - 12" STORM SEWER @ 0.50%
STM-4 PROP. 58 L.F. - 12" STORM SEWER @ 0.50%
STM-5 PROP. 45 L.F. - 12" STORM SEWER @ 0.50%
STM-6 PROP. 51 L.F. - 12" STORM SEWER @ 0.50%
STM-7 PROP. 75 L.F. - 8" STORM SEWER @ 0.64% (PERFORATED TILE)
STM-8 PROP. 55 L.F. - 8" STORM SEWER @ 0.65% (PERFORATED TILE)
STM-9 PROP. 52 L.F. - 12" STORM SEWER @ 1.00%
STM-10 PROP. 70 L.F. - 12" STORM SEWER @ 1.00%

STORM SEWER CONDUIT SHALL BE CORRUGATED POLYETHYLENE SMOOTH LINED PIPE MEETING THE REQUIREMENTS OF AASHTO M 294, TYPE S, UNLESS OTHERWISE SHOWN. PIPES SHALL BE JOINED WITH SURE-LOK (BELL AND SPIGOT) JOINTS MEETING THE REQUIREMENTS OF AASHTO-294, OR APPROVED EQUAL. THE BELL AND SPIGOT SHALL INCORPORATE A GASKET MAKING IT SILT-TIGHT.

** INSTALL AND MAINTAIN EROSION CONTROL INSERT BASKET PROTECTION DURING THE CONSTRUCTION PROCESS.

(W1) TAP TO EXISTING WATER LINE, AS APPROVED AND DIRECTED BY THE VILLAGE OF ARCANUM. PROVIDE ALL FITTINGS AND CONNECTIONS REQUIRED TO INCREASE WATER SERVICE LINE TO 2.5".

(W2) 2.5" TYPE 'K' COPPER WATER SERVICE.

(W3) SHUT OFF VALVE AND BOX

(W4) TYPE 'K' COPPER WATER SERVICE LINE. NEW LINE SHALL MATCH THE EXISTING SIZE SERVING THE EXISTING BUILDING.

(W5) SHUT OFF VALVE AND BOX, CONNECT TO THE EXISTING BUILDING WATER SERVICE. FIELD VERIFY EXACT LOCATION OF THE EXISTING SERVICE.

DETENTION BASIN NOTES

OVER EXCAVATE BOTTOM AND SIDES OF DETENTION BASIN A MINIMUM OF 8", INSTALL 8" OF STOCKPILED TOP SOIL.

3/4" OUTLET ORIFICE ELEV. = 1041.00
MAXIMUM STORAGE = 8,860 C.F.
MAXIMUM WATER ELEV. = 1044.98
PEAK DISCHARGE = 1.178 CFS

T.B.M.
IRON PIN SET
ELEV. = 1043.55

PROP. DETENTION (SEE DETENTION BASIN NOTES)

MICROPOOL
TOP = 1041.00
BTM. = 1039.00
2:1 SIDE SLOPE

FOREBAY
TOP = 1042.00
BTM. = 1040.00
2:1 SIDE SLOPE

EXISTING BUILDING
(CONNECT EXISTING BUILDING DOWNSPOUT DRAINS TO NEW DRAINAGE SYSTEM, AS FIELD DIRECTED)

F.F. = 1046.86

B.F.E. = 1047.00

PROP. CONCESSION AND RESTROOM BUILDING
F.F. ELEV. = 1047.20

CONC. WASHOUT AREA

PAVILION
CONCRETE

EXISTING BUILDING
F.F. = 1045.42

PRESS BOX
F.F. = 1045.73

EX. CONC. PAD AND BLEACHERS

PEDESTRIAN BRIDGE

EX. TICKET BOOTH

EX. DETENTION BASIN

PROP. DETENTION BASIN

PROP. GATE

GOAL POST

EX. TRACK

TOP OF RETAINING WALL = 1047.67

WEISENBARGER COURT

PAINTER CREEK

EX. 15" SANITARY SEWER

EX. 12" STORM SEWER

EX. 8" WATER LINE (FIELD VERIFY MAP EXACT LOCATION UNKNOWN)

EX. AGGREGATE DRIVE

EX. CONC. WALK

EX. CURB AND GUTTER

EX. FENCE

PROP. FILTER FABRIC FENCE

EX. SIDEWALK

EX. WELL

EX. GRASS

EX. CONCRETE

EX. OVERHEAD POWER LINES

PLAYGROUND

PROP. FENCE

SIGN

36" TREE

24" TREE

12" TREE

BOARD OF EDUCATION ARCANUM
BUTLER SCHOOL DISTRICT
D.B. 183 PG. 81
16.741 ACRES

MATCH LINE - SEE SHEET C1.2

MATCH TO EXISTING TRACK ELEVATION, TYP.

MATCH TO EXISTING TRACK ELEVATION BELOW AWAY AT 1% PER FT.

MATCH TO PHASE I IMPROVEMENTS

170' - 6" SAN. @ 1.5% (TO CLEANOUT)

C.O. - 6" INV. = 1041.20

C.O. 6" INV. = 1043.90

C.O. 6" INV. = 1043.75

EX. CLEANOUT INV. = 1045.4

EX. 12" INV. = 1038.4

EX. 24" INV. = 1036.6

EX. 12" INV. = 1040.0

EX. 8" INV. = 1038.6

EX. 12" INV. = 1039.0

EX. 12" INV. = 1039.2

EX. 12" INV. = 1039.4

EX. 12" INV. = 1039.6

EX. 12" INV. = 1039.8

EX. 12" INV. = 1040.0

EX. 12" INV. = 1040.2

EX. 12" INV. = 1040.4

EX. 12" INV. =

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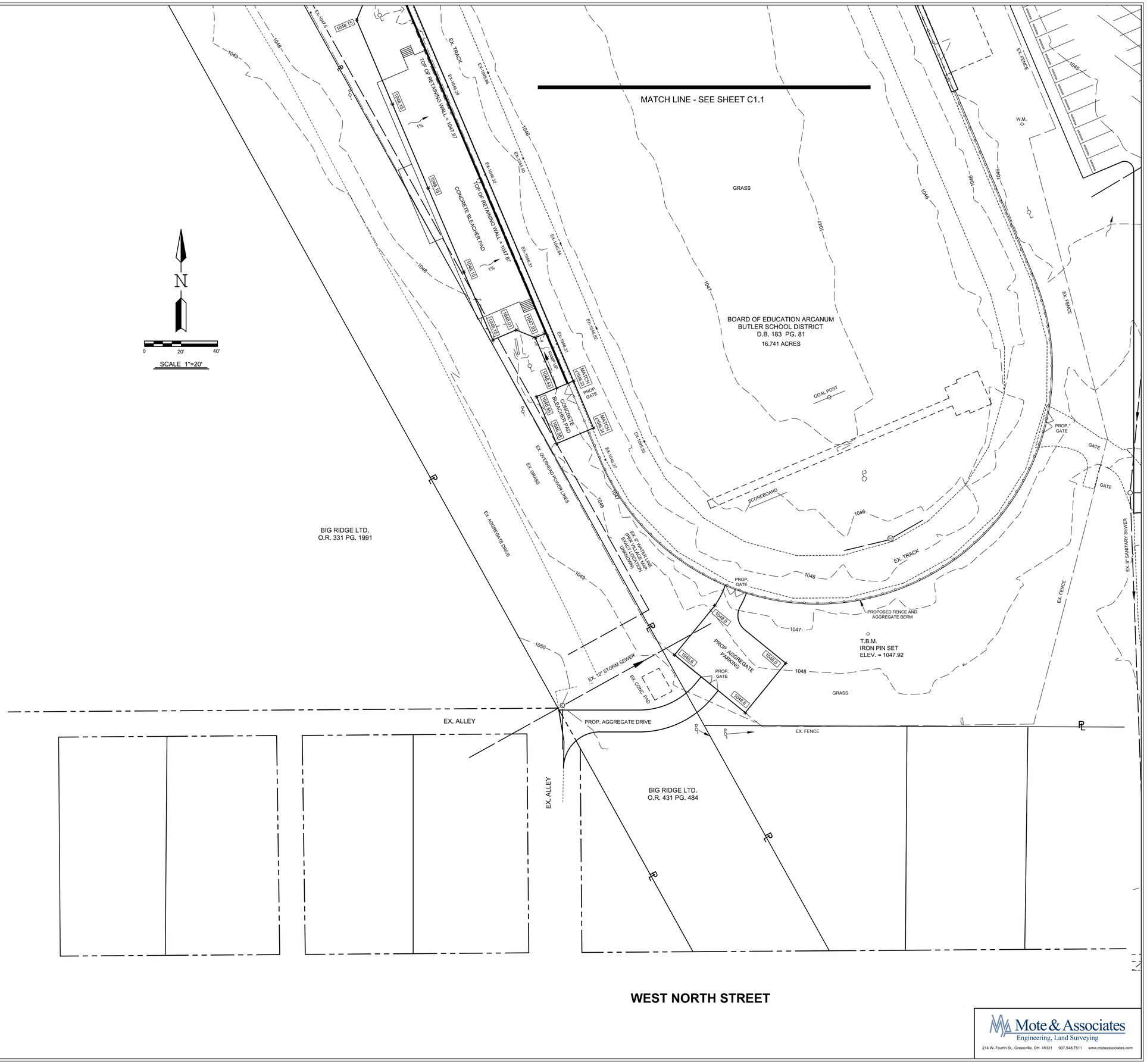

STATE OF OHIO
JERRY L McCLANNAN E 48648
PROFESSIONAL ENGINEER
Jerry L. McClannan

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NEW BUILDING FOR

ARCANUM BOOSTER STADIUM PHASE III IMPROVEMENTS

310 NORTH MAIN STREET, ARCANUM, OHIO 45304

ISSUANCES/REVISIONS	
CONSTRUCTION DOCUMENTS	1/06/2026

PROJECT NUMBER:	DRAWN BY:	CHECKED BY:
23047.03	TJB	JLM

SHEET TITLE:

SITE GRADING PLAN

SHEET NUMBER:

C1.2

Mote & Associates
Engineering, Land Surveying
214 W. Fourth St., Greenville, OH 45331 937.548.7511 www.moteassociates.com

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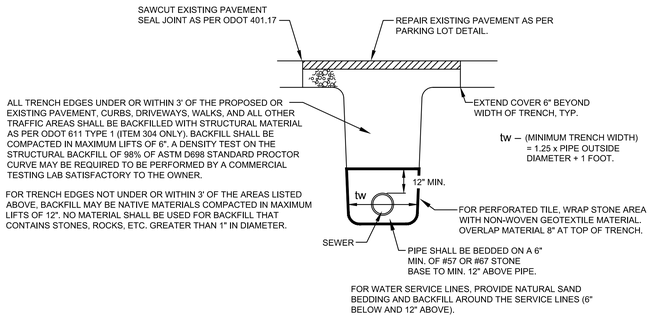
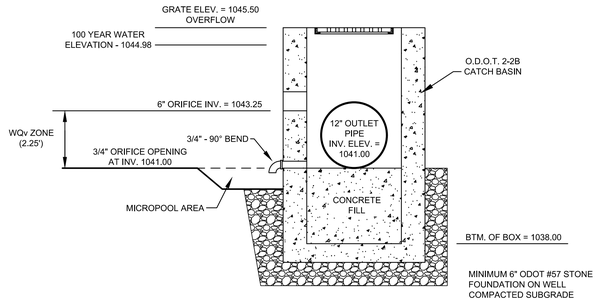


SEWER TRENCH BACKFILL DETAIL

NO SCALE



DISCHARGE STRUCTURE

NO SCALE

WQv = Rv * P * A / 12

Rv = 0.05 +0.9i (i = .46) - 0.52/1.14
Rv = 0.44
P = 0.90
A = 1.14

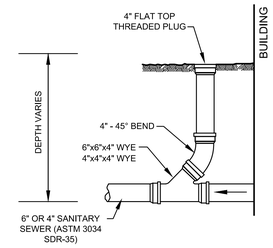
WQv = 0.0376 acre/feet
0.0376 * 1.2 = 0.045 acre/feet - 1966 cf
1966 cf provided at Elev. 1043.25

3/4" orifice

= 0.015 foot^3/second, average

.015 cfs x 16 hours = 864 cf

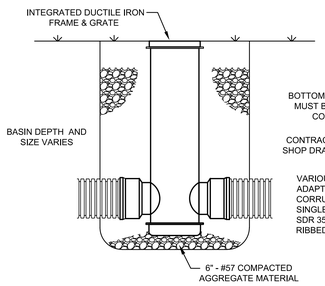
864/1966 = 44%



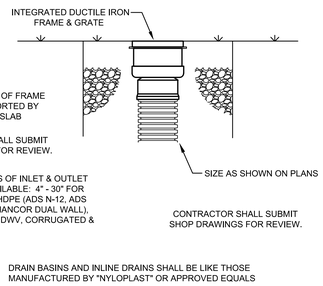
SANITARY CLEANOUT DETAIL

NO SCALE

DRAIN BASIN DETAIL



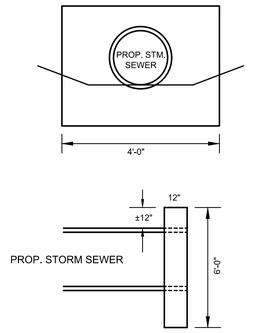
INLINE DRAIN DETAIL



DRAIN BASINS AND INLINE DRAINS SHALL BE LIKE THOSE MANUFACTURED BY "NYLOPLAST" OR APPROVED EQUALS

DRAIN BASIN AND INLINE DRAIN DETAILS

NO SCALE



NOTES:

CONCRETE SHALL BE O.D.O.T. CLASS QC1.

REINFORCING STEEL SHALL BE 5/8" REBAR 18" C/C EACH DIRECTION

CHAMFER ALL EXPOSED CORNERS 3/4"

MINIMUM COVER FOR REINFORCING SHALL BE 2"

INSTALL FINGER STYLE ANIMAL GUARD AT OUTFALL

HEADWALL , AS PER PLAN

NO SCALE

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NEW BUILDING FOR

ARCANUM BOOSTER STADIUM PHASE III IMPROVEMENTS

310 NORTH MAIN STREET, ARCANUM, OHIO 45304

ISSUANCES/REVISIONS

CONSTRUCTION DOCUMENTS	1/06/2026

PROJECT NUMBER:	DRAWN BY:	CHECKED BY:
23047.03	TJB	JLM

SHEET TITLE:

CIVIL SITE DETAILS

SHEET NUMBER:

C2.1

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SITE DESCRIPTION

PROJECT NAME AND LOCATION:
BOOSTER STADIUM IMPROVEMENTS - PHASE 3
310 NORTH MAIN STREET
ARCANUM, OHIO 45304

OWNER NAME AND ADDRESS:
ARCANUM-BUTLER SCHOOL
2011 TROJAN AVENUE
ARCANUM, OHIO 45304

DESCRIPTION: (PURPOSE AND TYPES OF SOIL DISTURBING ACTIVITIES)
THIS PROJECT WILL CONSIST OF THE CONSTRUCTION OF SCHOOL RELATED BUILDINGS ALONG WITH RELATED STORM SEWERS AND STORM DETENTION INFRASTRUCTURE.

RUNOFF COEFFICIENT: PRE-DEVELOPMENT RUN-OFF COEFFICIENT - 0.20 - GRASS
POST-DEVELOPMENT RUN-OFF COEFFICIENT (ESTIMATED) - 0.73

SITE AREA: THE SITE IS APPROXIMATELY 16.741 ACRES OF WHICH APPROXIMATELY 1.5 ACRE WILL BE DISTURBED BY CONSTRUCTION ACTIVITIES.

SITE DESCRIPTION: (CHECK ONE)

SUBDIVISION	____ (FUTURE)	
OFFICE	____	CURRENT LAND USE: SCHOOL PROPERTY, ATHLETIC FACILITIES.
INDUSTRIAL	____	
P.U.D.	____	
OTHER	X	

SOIL TYPES:
Br - BROOKSTON SILTY CLAY LOAM
CrA - CROSBY SILT LOAM

SEQUENCE OF MAJOR ACTIVITIES:
THE ORDER OF ACTIVITIES WILL BE AS FOLLOWS:

1. INSTALL PERIMETER CONTROLS (SILT FENCE).
2. INSTALL CONCRETE WASHOUT AREA.
3. REMOVAL OF EXISTING SITE ITEMS.
4. ROUGH SITE GRADING.
5. CONSTRUCT DRAINAGE AND DETENTION AREAS.
6. CONSTRUCTION OF BUILDINGS AND PAVILION.
7. FINAL SITE GRADING.
8. INSTALL PERMANENT SEEDING.
9. RESEED ANY DISTURBED AREAS.

NAME OF RECEIVING WATERS: PAINTER CREEK. SUBSEQUENT: STILLWATER RIVER

GENERAL NOTES

ALL CONSTRUCTION ACTIVITIES MUST COMPLY WITH ALL LOCAL EROSION/SEDIMENT CONTROL, WASTE DISPOSAL, SANITARY AND HEALTH REGULATIONS.

ALL EROSION AND SEDIMENT CONTROL PRACTICES MUST MEET THE STANDARDS AND SPECIFICATIONS OF THE OHIO RAINWATER AND LAND DEVELOPMENT HANDBOOK (2006).

OTHER EROSION CONTROL ITEMS MAY BE NECESSARY DUE TO ENVIRONMENTAL CONDITIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION AND IMPLEMENTATION OF ADDITIONAL EROSION CONTROL ITEMS, AT THE OWNER'S DISCRETION.

REGULAR INSPECTION AND MAINTENANCE WILL BE PROVIDED FOR ALL EROSION AND SEDIMENT CONTROL PRACTICES.

THE CONTRACTOR SHALL USE EROSION CONTROL MEASURES AS NECESSARY TO PREVENT SEDIMENT MOVEMENT INTO AREAS DESIGNATED AS WETLANDS.

NO SOLID OR LIQUID WASTE SHALL BE DISCHARGED INTO STORM WATER RUNOFF.

ADDITIONAL EROSION AND SEDIMENT CONTROL BMP'S MAY BE REQUIRED AS IDENTIFIED BY THE DESC INSPECTOR.

SWPPP INSPECTOR: CONTRACTOR

THE CONTRACTOR SHALL PHASE CONSTRUCTION AS NEEDED TO MINIMIZE THE AMOUNT OF LAND THAT WILL BE DISTURBED AT ANY ONE TIME.

CONTROLS

EROSION AND SEDIMENT CONTROLS:

STABILIZATION PRACTICES

Soil Stabilization. Stabilization of disturbed areas shall, at a minimum, be initiated in accordance with the time frames specified in the following tables.

Table 1: Permanent Stabilization

Area requiring permanent stabilization	Time frame to apply erosion controls
Any areas that will lie dormant for one year or more	Within seven days of the most recent disturbance
Any areas within 50 feet of a surface water of the state and at final grade	Within two days of reaching final grade
Other areas at final grade	Within seven days of reaching final grade within that area

Table 2: Temporary Stabilization

Area requiring temporary stabilization	Time frame to apply erosion controls
Any disturbed areas within 50 feet of a surface water of the state and not at final grade	Within two days of the most recent disturbance if the area will remain idle for more than 14 days
Any disturbed areas that will be dormant for more than 14 days but less than one year, and not within 50 feet of a surface water of the state	Within seven days of the most recent disturbance within the area For residential subdivisions, disturbed areas must be stabilized at least seven days prior to transfer of permit coverage for the individual lot(s).
Disturbed areas that will be idle over winter	Prior to the onset of winter weather

Where vegetative stabilization techniques may cause structural instability or are otherwise unobtainable, alternative stabilization techniques must be employed. Permanent and temporary stabilization are defined in Part VII.

STABILIZATION TYPE	J	F	M	A	M	J	J	A	S	O	N	D
PERMANENT SEEDING			●	●	●	*	*	*	●	●		
DORMANT SEEDING	●	●	●							●	●	●
TEMPORARY SEEDING			●	●	●	*	*	*	●	●		
SODDING			**	**	**	**	**	**	**			
MULCHING	●	●	●	●	●	●	●	●	●	●	●	●

* - IRRIGATION NEEDED
** - IRRIGATION NEEDED FOR 2-3 WEEKS AFTER SOD IS APPLIED

STORMWATER MANAGEMENT
STORMWATER DRAINAGE WILL BE ROUTED TO THE STORM DETENTION AREAS AND SILT FENCE BEFORE OUTLET TO PAINTER CREEK.

OTHER CONTROLS

WASTE DISPOSAL:
ALL WASTE MATERIALS WILL BE COLLECTED AND STORED IN A SECURELY LIDDED METAL DUMPSTER RENTED FROM A LICENSED SOLID WASTE MANAGEMENT COMPANY. THE DUMPSTER WILL MEET ALL LOCAL, CITY AND STATE SOLID WASTE MANAGEMENT REGULATIONS. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE WILL BE DEPOSITED IN THE DUMPSTER. THE DUMPSTER WILL BE EMPTIED A MINIMUM OF TWICE PER WEEK OR MORE OFTEN IF NECESSARY, AND THE TRASH WILL BE HAULED OFF-SITE. NO CONSTRUCTION WASTE MATERIALS WILL BE BURIED ONSITE. ALL PERSONNEL WILL BE INSTRUCTED REGARDING THE CORRECT PROCEDURE FOR WASTE DISPOSAL. NOTICES STATING THESE PRACTICES WILL BE POSTED IN THE OFFICE TRAILER. THE INDIVIDUAL WHO MANAGES THE DAY-TO-DAY SITE OPERATIONS WILL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED. ALL CONSTRUCTION AND DEMOLITION DEBRIS (C&DD) WASTE WILL BE DISPOSED OF IN AN OHIO EPA APPROVED C&DD LANDFILL AS REQUIRED BY ORC 3714.

HAZARDOUS WASTE:
ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL OR STATE REGULATIONS OR BY THE MANUFACTURER. SITE PERSONNEL WILL BE INSTRUCTED IN THESE PRACTICES. THE INDIVIDUAL WHO MANAGES DAY-TO-DAY SITE OPERATIONS WILL BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED.

SANITARY WASTE:
ALL SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS A MINIMUM OF THREE TIMES PER WEEK BY A LICENSED SANITARY WASTE MANAGEMENT CONTRACTOR, AS REQUIRED BY LOCAL REGULATION.

OPEN BURNING
NO OPEN BURNING WILL BE PERMITTED ON-SITE.

OFF-SITE VEHICLE TRACKING:
OFF-SITE TRACKING OF SEDIMENTS SHALL BE MINIMIZED. A STABILIZED CONSTRUCTION ENTRANCE WILL BE PROVIDED TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS. ALL PAVED STREETS ADJACENT TO THE SITE WILL BE SWEPT DAILY TO REMOVE ANY EXCESS MUD, DIRT OR ROCK TRACKED FROM THE SITE. DUMP TRUCKS HAULING MATERIAL FROM THE CONSTRUCTION SITE WILL BE COVERED WITH A TARPAULIN.

DEWATERING ACTIVITIES:
THERE SHALL BE NO TURBID DISCHARGES TO SURFACE WATERS, RESULTING FROM DEWATERING ACTIVITIES. SEDIMENT-LADEN WATER MUST PASS THROUGH A SETTLING POND, FILTER BAG, OR OTHER COMPARABLE PRACTICE, PRIOR TO DISCHARGE.

PROCESS WASTEWATER:
ALL PROCESS WASTEWATER (EQUIPMENT WASHING, LEACHATE FROM ON-SITE WASTE DISPOSAL, ETC.) SHALL BE COLLECTED AND DISPOSED OF AT A PUBLICLY OWNED TREATMENT WORKS.
TIMING OF CONTROLS/MEASURES

AS INDICATED IN THE SEQUENCE OF MAJOR ACTIVITIES, CONSTRUCTION ENTRANCE(S) AND SILT FENCE WILL BE CONSTRUCTED PRIOR TO ANY OTHER WORK ON THE SITE.

TEMPORARY AND PERMANENT STABILIZATION SHALL BE PERFORMED AS PER TABLE 1 AND TABLE 2, AS SHOWN ON THIS SHEET.

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INVENTORY FOR POLLUTION PREVENTION PLAN

SILT FENCE
CONSTRUCTION ENTRANCE
CONCRETE WASHOUT
INLET PROTECTION
TEMPORARY AND PERMANENT SEEDING

SPILL PREVENTION

MATERIAL MANAGEMENT PRACTICES:

THE FOLLOWING ARE THE MATERIAL MANAGEMENT PRACTICES THAT WILL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORMWATER RUNOFF.

GOOD HOUSEKEEPING: THE FOLLOWING GOOD HOUSEKEEPING PRACTICES WILL BE FOLLOWED ONSITE DURING THE CONSTRUCTION PROJECT.

1. AN EFFORT WILL BE MADE TO STORE ONLY ENOUGH PRODUCT REQUIRED TO DO THE JOB.
2. ALL MATERIALS STORED ONSITE WILL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR APPROPRIATE CONTAINERS AND, IF POSSIBLE, UNDER A ROOF OR OTHER ENCLOSURE.
3. PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH THE ORIGINAL MANUFACTURER'S LABEL.
4. SUBSTANCES WILL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER.
5. WHENEVER POSSIBLE, ALL OF A PRODUCT WILL BE USED UP BEFORE DISPOSING OF THE CONTAINER.
6. MANUFACTURERS' RECOMMENDATIONS FOR PROPER USE AND DISPOSAL WILL BE FOLLOWED.
7. THE SITE SUPERINTENDENT WILL INSPECT DAILY TO ENSURE PROPER USE AND DISPOSAL OF MATERIALS ONSITE.

HAZARDOUS PRODUCTS: THESE PRACTICES ARE USED TO REDUCE THE RISKS ASSOCIATED WITH HAZARDOUS MATERIALS.

1. PRODUCTS WILL BE KEPT IN ORIGINAL CONTAINERS UNLESS THEY ARE NOT RESEALABLE.
2. ORIGINAL LABELS AND MATERIAL SAFETY DATA WILL BE RETAINED; THEY CONTAIN IMPORTANT PRODUCT INFORMATION.
3. IF SURPLUS PRODUCT MUST BE DISPOSED OF, MANUFACTURERS' OR LOCAL AND STATE RECOMMENDED METHODS FOR PROPER DISPOSAL WILL BE FOLLOWED.

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214 W. Fourth St., Greenville, OH 45331 937.548.7511 www.moteassociates.com

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NEW BUILDING FOR
ARCANUM BOOSTER STADIUM PHASE III IMPROVEMENTS
310 NORTH MAIN STREET, ARCANUM, OHIO 45304

ISSUANCES/REVISIONS

CONSTRUCTION DOCUMENTS	1/06/2026

PROJECT NUMBER:	DRAWN BY:	CHECKED BY:
23047.03	TJB	JLM

SHEET TITLE:
STORM WATER POLLUTION PREVENTION PLAN

SHEET NUMBER:
C3.1

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SPILL CONTROL PRACTICES

IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES DISCUSSED IN THE PREVIOUS SECTIONS OF THIS PLAN, THE FOLLOWING PRACTICES WILL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:

1. ALL SPILLS SHALL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY. MANUFACTURERS' RECOMMENDED METHODS FOR SPILL CLEANUP POSTED AND SITE PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES AND THE LOCATION OF THE INFORMATION AND CLEANUP SUPPLIES.
2. MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREA ONSITE. EQUIPMENT AND MATERIALS WILL INCLUDE BUT NOT BE LIMITED TO BROOMS, DUST PANS, MOPS, RAGS, GLOVES, GOGGLES, KITTY LITTER, SAND, SAWDUST, AND PLASTIC AND METAL TRASH CONTAINERS SPECIFICALLY FOR THIS PURPOSE.
3. THE SPILL AREA WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.
4. SPILLS OF TOXIC OR HAZARDOUS MATERIAL WILL BE REPORTED TO THE APPROPRIATE STATE OR LOCAL GOVERNMENT AGENCY, REGARDLESS OF THE SIZE. SPILLS OF 25 OR MORE GALLONS OF PETROLEUM WASTE MUST BE REPORTED TO OHIO EPA (1-800-282-9378), THE LOCAL FIRE DEPARTMENT, AND THE LOCAL EMERGENCY PLANNING COMMITTEE WITHIN 30 MINUTES OF THE SPILL.
5. SOILS CONTAMINATED BY PETROLEUM OR OTHER CHEMICAL SPILLS MUST BE TREATED/DISPOSED OF AT AN OHIO EPA APPROVED SOLID WASTE MANAGEMENT FACILITY OR HAZARDOUS WASTE TREATMENT, STORAGE OR DISPOSAL FACILITY (TSDF).
6. THE SPILL PREVENTION PLAN WILL BE ADJUSTED TO INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM REOCCURRING AND HOW TO CLEAN UP THE SPILL IF THERE IS ANOTHER ONE. A DESCRIPTION OF THE SPILL, WHAT CAUSED IT, AND THE CLEANUP MEASURES WILL ALSO BE INCLUDED.
7. THE SITE SUPERINTENDENT RESPONSIBLE FOR THE DAY-TO-DAY SITE OPERATIONS, WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR. HE WILL DESIGNATE SITE PERSONNEL WHO WILL RECEIVE SPILL PREVENTION AND CLEANUP TRAINING. THESE INDIVIDUALS WILL EACH BECOME RESPONSIBLE FOR A PARTICULAR PHASE OF PREVENTION AND CLEANUP. THE NAMES OF RESPONSIBLE SPILL PERSONNEL WILL BE POSTED IN THE MATERIAL STORAGE AREA AND IN THE OFFICE TRAILER ONSITE.

DUST CONTROL

DUST CONTROL INVOLVES PREVENTING OR REDUCING DUST FROM EXPOSED SOILS OR OTHER SOURCES DURING LAND DISTURBING, DEMOLITION AND CONSTRUCTION ACTIVITIES TO REDUCE THE PRESENCE OF AIRBORNE SUBSTANCES WHICH MAY PRESENT HEALTH HAZARDS, TRAFFIC SAFETY PROBLEMS OR HARM ANIMAL OR PLANT LIFE.

THE FOLLOWING SPECIFICATIONS FOR DUST CONTROL SHALL BE FOLLOWED ONSITE:

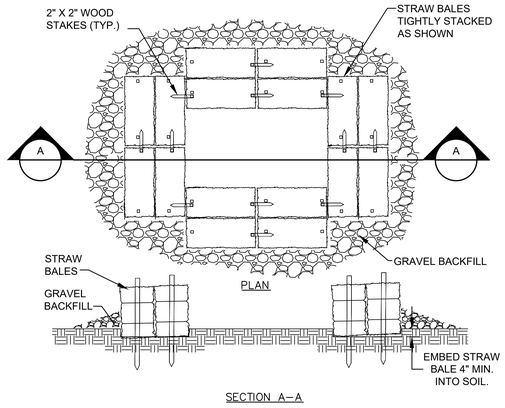
1. VEGETATIVE COVER AND/MULCH - APPLY TEMPORARY OR PERMANENT SEEDING AND MULCH TO AREAS THAT WILL REMAIN IDLE FOR OVER 14 DAYS. SAVING EXISTING TREES AND LARGE SHRUBS WILL ALSO REDUCE SOIL AND AIR MOVEMENT ACROSS DISTURBED AREAS. SEE TEMPORARY SEEDING; PERMANENT SEEDING; MULCHING PRACTICES; AND TREE AND NATURAL AREA PROTECTION PRACTICES.
2. WATERING - SPRAY SITE WITH WATER UNTIL THE SURFACE IS WET BEFORE AND DURING GRADING AND REPEAT AS NEEDED, ESPECIALLY ON HAUL ROADS AND OTHER HEAVY TRAFFIC ROUTES. WATERING SHALL BE DONE AT A RATE THAT PREVENTS DUST BUT DOES NOT CAUSE SOIL EROSION. WETTING AGENTS SHALL BE UTILIZED ACCORDING TO MANUFACTURERS' INSTRUCTIONS.
3. SPRAY-ON ADHESIVES - APPLY ADHESIVE ACCORDING TO THE FOLLOWING TABLE OR MANUFACTURERS' INSTRUCTIONS.

ADHESIVE	WATER DILUTION (ADHESIVE: WATER)	NOZZLE TYPE	APPLICATION RATE GAL./AC.
LATEX EMULSION	12.5:1	FINE	235
RESIN IN WATER ACRYLIC EMULSION (NO-TRAFFIC)	4:1	FINE	300
ACRYLIC EMULSION (NO-TRAFFIC)	7:1	COARSE	450
ACRYLIC EMULSION (TRAFFIC)	3.5:1	COARSE	350

4. STONE - GRADED ROADWAYS AND OTHER SUITABLE AREAS WILL BE STABILIZED USING CRUSHED STONE OR COARSE GRAVEL AS SOON AS PRACTICABLE AFTER REACHING AN INTERIM OR FINAL GRADE. CRUSHED STONE OR COARSE GRAVEL CAN BE USED AS A PERMANENT COVER TO PROVIDE CONTROL OF SOIL EMISSIONS.
5. BARRIERS - EXISTING WINDBREAK VEGETATION SHALL BE MARKED AND PRESERVED. SNOW FENCING OR OTHER SUITABLE BARRIER MAY BE PLACED PERPENDICULAR TO PREVAILING AIR CURRENTS AT INTERVALS OF ABOUT 15 TIMES THE BARRIER HEIGHT TO CONTROL AIR CURRENTS AND BLOWING SOIL.
6. CALCIUM CHLORIDE - THIS CHEMICAL MAY BE APPLIED BY MECHANICAL SPREADER AS LOOSE, DRY GRANULES OR FLAKES AT A RATE THAT KEEPS THE SURFACE MOIST BUT NOT SO HIGH AS TO CAUSE WATER POLLUTION OR PLANT DAMAGE. APPLICATION RATES SHOULD BE STRICTLY IN ACCORDANCE WITH SUPPLIERS' SPECIFIED RATES.
7. OPERATION AND MAINTENANCE - WHEN TEMPORARY DUST CONTROL MEASURES ARE USED; REPETITIVE TREATMENT SHOULD BE APPLIED AS NEEDED TO ACCOMPLISH CONTROL.
8. STREET CLEANING - PAVED AREAS THAT HAVE ACCUMULATED SEDIMENT FROM CONSTRUCTION SHOULD BE CLEANED DAILY, OR AS NEEDED, UTILIZING A STREET SWEEPER OR BUCKET - TYPE ENDLOADER OR SCRAPER.

CONCRETE WASHOUT

SPECIFICATIONS FOR CONCRETE WASHOUT



SECTION A–A

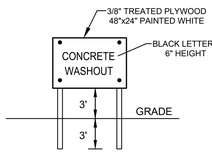
1. THE RESIDUE OR CONTENTS OF ALL CONCRETE MIXERS, DUMP TRUCKS, OTHER CONVEYANCE EQUIPMENT AND FINISHING TOOLS SHALL BE WASHED INTO CONCRETE CLEAN-OUT STRUCTURES CONSISTING OF A STRAW BALE BARRIER WITH GRAVEL BACKFILL. THE LENGTH AND WIDTH OF THESE STRUCTURES SHALL BE AS DETERMINED BY THE CONTRACTOR TO FACILITATE THE PARTICULAR EQUIPMENT USED. THESE STRUCTURES SHALL BE CONSTRUCTED ON LEVEL GROUND AT LEAST 100' FROM THE NEAREST WATERCOURSE, DRAINAGE SWALE OR INLET. AT NO TIME SHALL THE STRUCTURE BE ALLOWED TO BE MORE THAN 50% FULL. THE CONTRACTOR SHALL MAINTAIN THESE PONDS UNTIL ALL CONCRETE PLACEMENT IS COMPLETE FOR THE PROJECT.

2. EMBED THE STRAW BALES 4" INTO THE SOIL. PROVIDE TWO ROWS OF BALES, AS SHOWN ON THE DETAIL, WITH ENDS AND CORNERS TIGHTLY ABUTING. ORIENT THE STRAW BALES LENGTHWISE WITH BINDINGS AROUND THE SIDES OF THE BALES SO THE WIRE DOES NOT CONTACT THE SOIL. DRIVE 2"X2" WOOD STAKES THROUGH EACH BALE, TO SECURELY ANCHOR THE BALE AND CONNECT ADJACENT BALES. GRAVEL BACKFILL SHALL BE PROVIDED AND TAMPED AROUND THE OUTSIDE PERIMETER OF THE BALES TO PREVENT EROSION AND FLOW AROUND THE BALES.

3. THE INTENT OF THESE STRUCTURES IS TO COLLECT ALL CONCRETE WASH OUT WATER AND ALLOW IT TO DRY TO A SOLID MATERIAL. AFTER DRYING, THE SOLID MATERIAL CAN BE REMOVED WITH A LOADER OR EXCAVATOR FOR PROPER DISPOSAL. WASH OUT WILL NOT BE PERMITTED IN ANY OTHER AREAS.

4. USE THE MINIMUM AMOUNT OF WATER TO WASH THE VEHICLES AND EQUIPMENT. NEVER DISPOSE OF WASH OUT INTO THE STREET, STORM INLET, DRAINAGE SWALE OR WATERCOURSE. DISPOSE OF SMALL AMOUNTS OF EXCESS DRY CONCRETE, GROUT AND MORTAR IN THE TRASH. ANY SOAPS THAT ARE UTILIZED SHALL BE PHOSPHATE-FREE AND BIODEGRADABLE.

5. ADDITIONAL CONCRETE CLEAN-OUT STRUCTURES SHALL BE CONSTRUCTED WITHIN THE SPECIFIED AREA AS NEEDED BASED UPON THE VOLUME OF WASH OUT GENERATED DAILY.



CONCRETE WASHOUT SIGN
NO SCALE

NOTES:

1. WASHOUT LOCATION SHALL BE AS PRE-APPROVED.
2. DRY CONCRETE TO BE REMOVED FROM SITE PERIODICALLY AND DISPOSED OF BY APPROVED METHODS.
3. THE CONCRETE WASHOUT SIGN SHALL BE LOCATED WITHIN 5 FEET OF THE WASHOUT AREA.
4. CONCRETE WASHOUT INSTALLED, MAINTAINED AND REMOVED BY CONTRACTOR.

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SILT FENCE

DESCRIPTION

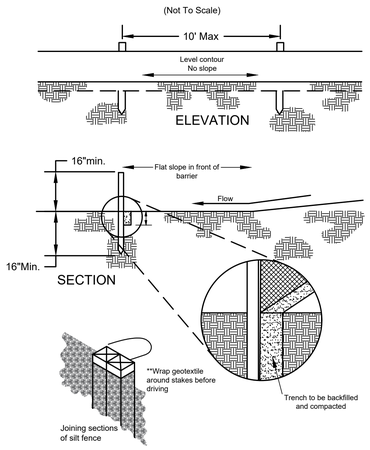
A SILT FENCE IS A SEDIMENT-TRAPPING PRACTICE UTILIZING A GEOTEXTILE FENCE, TOPOGRAPHY AND SOMETIMES VEGETATION TO CAUSE SEDIMENT DEPOSITION. SILT FENCE REDUCES RUNOFF'S ABILITY TO TRANSPORT SEDIMENT BY PONDING RUNOFF AND DISSIPATING SMALL RILLS OF CONCENTRATED FLOW INTO UNIFORM SHEET FLOW. SILT FENCE IS USED TO PREVENT SEDIMENT-LADEN SHEET RUNOFF FROM ENTERING INTO DOWNSTREAM CREEKS AND SEWER SYSTEMS.

SPECIFICATIONS FOR SILT FENCE

1. SILT FENCE SHALL BE CONSTRUCTED BEFORE UPSLOPE LAND DISTURBANCE BEGINS.
2. ALL SILT FENCE SHALL BE PLACED AS CLOSE TO THE CONTOUR AS POSSIBLE SO THAT WATER WILL NOT CONCENTRATE AT LOW POINTS IN THE FENCE AND SO THAT SMALL SWALES OR DEPRESSIONS WHICH MAY CARRY SMALL CONCENTRATED FLOWS TO THE SILT FENCE ARE DISSIPATED ALONG ITS LENGTH.
3. ENDS OF THE SILT FENCES SHALL BE BROUGHT UPSLOPE SLIGHTLY SO THAT WATER PONDED BY THE SILT FENCE WILL BE PREVENTED FROM FLOWING AROUND THE ENDS.
4. SILT FENCE SHALL BE PLACED ON THE FLATTEST AREA AVAILABLE.
5. WHERE POSSIBLE, VEGETATION SHALL BE PRESERVED FOR 5 FEET (OR AS MUCH AS POSSIBLE) UPSLOPE FROM THE SILT FENCE. IF VEGETATION IS REMOVED, IT SHALL BE REESTABLISHED WITHIN 7 DAYS FROM THE INSTALLATION OF THE SILT FENCE.
6. THE HEIGHT OF THE SILT FENCE SHALL BE A MINIMUM OF 16 INCHES ABOVE THE ORIGINAL GROUND SURFACE.
7. THE SILT FENCE SHALL BE PLACED IN AN EXCAVATED OR SLICED TRENCH CUT A MINIMUM OF 6 INCHES DEEP. THE TRENCH SHALL BE MADE WITH A TRENCHER, CABLE LAYING MACHINE, SLICING MACHINE, OR OTHER SUITABLE DEVICE THAT WILL ENSURE AN ADEQUATELY UNIFORM TRENCH DEPTH.
8. THE SILT FENCE SHALL BE PLACED WITH THE STAKES ON THE DOWNSLOPE SIDE OF THE GEOTEXTILE AND SO THAT 8 INCHES OF GEOTEXTILE MUST BE BELOW THE GROUND SURFACE. EXCESS MATERIAL SHALL LAY ON THE BOTTOM OF THE 6 INCH DEEP TRENCH. THE TRENCH SHALL BE BACKFILLED AND COMPACTED ON BOTH SIDES OF THE FABRIC.
9. SEAMS BETWEEN SECTION OF SILT FENCE SHALL BE SPLICED TOGETHER ONLY AT A SUPPORT POST WITH A MINIMUM 6 INCHES OVERLAP PRIOR TO DRIVING INTO THE GROUND. (SEE DETAILS)
10. MAINTENANCE - SILT FENCE SHALL ALLOW RUNOFF TO PASS ONLY AS DIFFUSE FLOW THROUGH THE GEOTEXTILE. IF RUNOFF OVERTOPS THE SILT FENCE, FLOWS UNDER OR AROUND THE ENDS, OR IN ANY OTHER WAY BECOMES A CONCENTRATED FLOW DISCHARGE, ONE OF THE FOLLOWING SHALL BE PERFORMED, AS APPROPRIATE: 1) THE LAYOUT OF THE SILT FENCE SHALL BE CHANGED, 2) ACCUMULATED SEDIMENT SHALL BE REMOVED, OR 3) OTHER PRACTICES SHALL BE INSTALLED.
    SILT FENCE SHALL BE INSPECTED AFTER EACH RAINFALL AND AT LEAST DAILY DURING A PROLONGED RAINFALL. THE LOCATION OF EXISTING SILT FENCE SHALL BE REVIEWED DAILY TO ENSURE ITS PROPER LOCATION AND EFFECTIVENESS. IF DAMAGED, THE SILT FENCE SHALL BE REPAIRED IMMEDIATELY.

CRITERIA FOR SILT FENCE MATERIALS:

1. FENCE POSTS - THE LENGTH SHALL BE A MINIMUM OF 32 INCHES LONG. WOOD POSTS WILL BE 2-BY-2 INCH NOMINAL DIMENSIONED HARDWOOD OF SOUND QUALITY. THEY SHALL BE FREE OF KNOTS, SPLITS AND OTHER VISIBLE IMPERFECTIONS, THAT WILL WEAKEN THE POSTS. THE MAXIMUM SPACING BETWEEN POSTS SHALL BE 10 FT. POSTS SHALL BE DRIVEN A MINIMUM 16 INCHES INTO THE GROUND, WHERE POSSIBLE. IF NOT POSSIBLE, THE POSTS SHALL BE ADEQUATELY SECURED TO PREVENT OVERTURNING OF THE FENCE DUE TO SEDIMENT/WATER LOADING.
2. SILT FENCE FABRIC (SEE CHART):



FABRIC PROPERTIES	VALUES	TEST METHOD
MINIMUM TENSILE STRENGTH	120 LBS. (535 N)	ASTM D 4632
MAXIMUM ELONGATION AT 60 LBS	50%	ASTM D 4632
MINIMUM PUNCTURE STRENGTH	50 LBS (220 N)	ASTM D 4833
MINIMUM TEAR STRENGTH	40 LBS (180 N)	ASTM D 4533
APPARENT OPENING SIZE	< OR = 0.84 MM	ASTM D4751
MINIMUM PERMITTIVITY	1X10-2 SEC. -1	ASTM D 4491
UV EXPOSURE STRENGTH RETENTION	70%	ASTM G 4355

PRODUCT SPECIFIC PRACTICES

THE FOLLOWING PRODUCT SPECIFIC PRACTICES WILL BE FOLLOWED ONSITE:

PETROLEUM PRODUCTS - ALL ONSITE VEHICLES WILL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. PETROLEUM PRODUCTS WILL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED. ANY ASPHALT SUBSTANCES USED ONSITE WILL BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

FUEL STORAGE TANKS SHALL BE LOCATED AWAY FROM SURFACE WATERS AND STORM SEWER SYSTEM INLETS. FUEL TANKS SHALL BE STORED IN A DIKED AREA CAPABLE OF HOLDING 150% OF THE TANK CAPACITY.

FERTILIZERS - FERTILIZERS USED WILL BE APPLIED ONLY IN THE MINIMUM AMOUNTS RECOMMENDED BY THE MANUFACTURER. ONCE APPLIED, FERTILIZER WILL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORMWATER. STORAGE WILL BE IN A COVERED SHED. THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER WILL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO AVOID SPILLS.

PAINTS - ALL CONTAINERS WILL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT WILL NOT BE DISCHARGED TO THE STORM SEWER SYSTEM BUT WILL BE PROPERLY DISPOSED OF ACCORDING TO MANUFACTURERS' INSTRUCTIONS OR STATE AND LOCAL REGULATIONS.

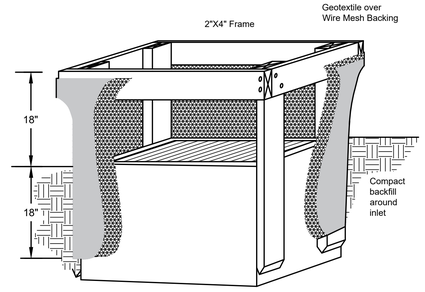
INLET PROTECTION

DESCRIPTION

STORM DRAIN INLET PROTECTION DEVICES REMOVE SEDIMENT FROM STORM WATER BEFORE IT ENTERS STORM SEWERS AND DOWNSTREAM AREAS. INLET PROTECTION DEVICES ARE SEDIMENT BARRIERS THAT MAY BE CONSTRUCTED OF WASHED GRAVEL OR CRUSHED STONE, GEOTEXTILE FABRICS AND OTHER MATERIALS THAT ARE SUPPORTED AROUND OR ACROSS STORM DRAIN INLETS.

INLET PROTECTION IS INSTALLED TO CAPTURE SOME SEDIMENT AND REDUCE THE MAINTENANCE OF STORM SEWERS AND OTHER UNDERGROUND PIPING SYSTEMS PRIOR TO THE SITE BEING STABILIZED. DUE TO THEIR POORER EFFECTIVENESS, INLET PROTECTION IS CONSIDERED A SECONDARY SEDIMENT CONTROL TO BE USED IN CONJUNCTION WITH OTHER MORE EFFECTIVE CONTROLS.

SPECIFICATIONS FOR GEOTEXTILE INLET PROTECTION



SECTION

1. INLET PROTECTION SHALL BE CONSTRUCTED EITHER BEFORE UPSLOPE LAND DISTURBANCE BEGINS OR BEFORE THE INLET BECOMES FUNCTIONAL.
2. THE EARTH AROUND THE INLET SHALL BE EXCAVATED COMPLETELY TO A DEPTH AT LEAST 18 INCHES.
3. THE WOODEN FRAME SHALL BE CONSTRUCTED OF 2 INCHES BY 4 INCHES CONSTRUCTION GRADE LUMBER. THE 2 INCHES BY 4 INCHES POSTS SHALL BE DRIVEN ONE (1) FT. INTO THE GROUND AT FOUR CORNERS OF THE INLET AND THE TOP PORTION OF 2 INCHES BY 4 INCHES FRAME ASSEMBLED USING THE OVERLAP JOINT SHOWN. THE TOP OF THE FRAME SHALL BE AT LEAST 6 INCHES BELOW ADJACENT ROADS OF PONDED WATER WILL POSE A SAFETY HAZARD TO TRAFFIC.
4. WIRE MESH SHALL BE OF SUFFICIENT STRENGTH TO SUPPORT FABRIC WITH WATER FULLY IMPOUNDED AGAINST IT. IT SHALL BE STRETCHED TIGHTLY AROUND THE FRAME AND FASTENED SECURELY TO THE FRAME.
5. GEOTEXTILE MATERIAL SHALL HAVE AN EQUIVALENT OPENING SIZE OF 20-40 SIEVE AND BE RESISTANT TO SUNLIGHT. IT SHALL BE STRETCHED TIGHTLY AROUND THE FRAME AND FASTENED SECURELY. IT SHALL EXTEND FROM THE TOP OF THE FRAME TO 18 INCHES BELOW THE INLET NOTCH ELEVATION. THE GEOTEXTILE SHALL OVERLAP ACROSS ONE SIDE OF THE INLET SO THE ENDS OF THE CLOTH ARE NOT FASTENED TO THE SAME POST.
6. BACKFILL SHALL BE PLACED AROUND THE INLET IN COMPACTED 6 INCHES LAYERS UNTIL THE EARTH IS EVEN WITH NOTCH ELEVATION ON ENDS AND TOP ELEVATION ON SIDES.
7. A COMPACTED EARTH DIKE OR CHECK DAM SHALL BE CONSTRUCTED IN THE DITCH LINE BELOW THE INLET IF THE INLET IS NOT IN A DEPRESSION. THE TOP OF THE DIKE SHALL BE AT LEAST 6 INCHES HIGHER THAN THE TOP OF THE FRAME.

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TEMPORARY SEEDING

DESCRIPTION

TEMPORARY SEEDINGS ESTABLISH TEMPORARY COVER ON DISTURBED AREAS BY PLANTING APPROPRIATE RAPIDLY GROWING ANNUAL GRASSES OR SMALL GRAINS. TEMPORARY SEEDING PROVIDES EROSION CONTROL ON AREAS IN BETWEEN CONSTRUCTION OPERATIONS. GRASSES WHICH ARE QUICK GROWING ARE SEEDED AND USUALLY MULCHED TO PROVIDE PROMPT, TEMPORARY SOIL STABILIZATION. IT EFFECTIVELY MINIMIZES THE AREA OF A CONSTRUCTION SITE PRONE TO EROSION AND SHOULD BE USED EVERYWHERE THE SEQUENCE OF CONSTRUCTION OPERATIONS ALLOWS VEGETATION TO BE ESTABLISHED.

SPECIFICATIONS FOR TEMPORARY SEEDING

TEMPORARY SEEDING SPECIES SELECTION			
SEEDING DATES	SPECIES	LB./1,000 SF.	LB. PER AC.
MARCH 1 TO AUGUST 15	OATS TALL FESCUE ANNUAL RYEGRASS	3 1 1	128 LB.(4 BUSHEL) 40 LB. 40 LB.
	PERENNIAL RYEGRASS TALL FESCUE ANNUAL RYEGRASS	1 1 1	40 LB. 40 LB. 40 LB.
	ANNUAL RYEGRASS PERENNIAL RYEGRASS CREEPING RED FESCUE KENTUCKY BLUEGRASS	1.25 3.25 0.4 0.4	55 LB. 142 LB. 17 LB. 17 LB.
	OATS TALL FESCUE ANNUAL RYEGRASS	3 1 1	128 LB.(3 BUSHEL) 40 LB. 40 LB.
AUGUST 16 TO NOVEMBER 1	RYE TALL FESCUE ANNUAL RYEGRASS	3 1 1	112 LB.(2 BUSHEL) 40 LB. 40 LB.
	WHEAT TALL FESCUE ANNUAL RYEGRASS	3 1 1	120 LB.(2 BUSHEL) 40 LB. 40 LB.
	PERENNIAL RYE TALL FESCUE ANNUAL RYEGRASS	1 1 1	40 LB. 40 LB. 40 LB.
	ANNUAL RYEGRASS PERENNIAL RYEGRASS CREEPING RED FESCUE KENTUCKY BLUEGRASS	1.25 3.25 0.4 0.4	40 LB. 40 LB. 40 LB.
NOV. 1 TO SPRING SEEDING	USE MULCH ONLY, SODDING PRACTICES OR DORMANT SEEDING.		
NOTE: OTHER APPROVED SEED SPECIES MAY BE SUBSTITUTED.			

1. STRUCTURAL EROSION AND SEDIMENT-CONTROL PRACTICES SUCH AS DIVERSIONS AND SEDIMENT TRAPS SHALL BE INSTALLED AND STABILIZED WITH TEMPORARY SEEDING PRIOR TO GRADING THE REST OF THE CONSTRUCTION SITE.

2. TEMPORARY SEED SHALL BE APPLIED BETWEEN CONSTRUCTION OPERATIONS ON SOIL THAT WILL NOT BE GRADED OR REWORKED FOR 14 DAYS OR GREATER. THESE IDLE AREAS SHALL BE SEEDED WITHIN 2 DAYS AFTER GRADING.

3. THE SEEDBED SHOULD BE PULVERIZED AND LOOSE TO ENSURE THE SUCCESS OF ESTABLISHING VEGETATION. TEMPORARY SEEDING SHALL NOT BE POSTPONED IF IDEAL SEEDBED PREPARATION IS NOT POSSIBLE.

4. SOIL AMENDMENTS--TEMPORARY VEGETATION SEEDING RATE SHALL ESTABLISH ADEQUATE STANDS OF VEGETATION WHICH MAY REQUIRE THE USE OF SOIL AMENDMENTS. BASE RATE FOR LIME AND FERTILIZER SHALL BE USED.

5. SEEDING METHOD--SEED SHALL BE APPLIED UNIFORMLY WITH A CYCLONE SPREADER, DRILL, CULTIPACKER SEEDER, OR HYDROSEEDER. WHEN FEASIBLE, SEED THAT HAS BEEN BROADCAST SHALL BE COVERED BY RAKING OR DRAGGING AND THEN LIGHTLY TAMPED INTO PLACE USING A ROLLER OR CULTIPACKER. IF HYDROSEEDING IS USED, THE SEED AND FERTILIZER WILL BE MIXED ON SITE, AND THE SEEDING SHALL BE DONE IMMEDIATELY AND WITHOUT INTERRUPTION.

MULCHING TEMPORARY SEEDING

1. APPLICATIONS OF TEMPORARY SEEDING SHALL INCLUDE MULCH WHICH SHALL BE APPLIED DURING OR IMMEDIATELY AFTER SEEDING. SEEDINGS MADE DURING OPTIMUM SEEDING DATES ON FAVORABLE VERY FLAT SOIL CONDITIONS MAY NOT NEED MULCH TO ACHIEVE ADEQUATE STABILIZATION.

2. MATERIALS:
- STRAW--IF STRAW IS USED, IT SHALL BE UNROTTED SMALL-GRAIN STRAW APPLIED AT THE RATE OF 2 TONS PER ACRE OR 90 LB. PER 1,000 SQUARE FEET (TWO TO THREE BALES).
- HYDROSEEDERS--IF WOOD-CELLULOSE FIBER IS USED, IT SHALL BE USED AT 2,000 LB. PER ACRE OR 46 LB. PER 1,000 SQUARE FEET.
- OTHER--OTHER ACCEPTABLE MULCHES INCLUDE MULCH MATTINGS APPLIED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS OR WOOD CHIPS APPLIED AT 6 TONS PER ACRE.

3. STRAW MULCH SHALL BE ANCHORED IMMEDIATELY TO MINIMIZE LOSS BY WIND OR WATER. ANCHORING METHODS:
- MECHANICAL--A DISK, CRIMPER, OR SIMILAR TYPE TOOL SHALL BE SET STRAIGHT TO PUNCH OR ANCHOR THE MULCH MATERIAL INTO THE SOIL. STRAW MECHANICALLY ANCHORED SHALL NOT BE FINELY CHOPPED BUT, LEFT TO A LENGTH OF APPROXIMATELY 6 INCHES.
- MULCH NETTINGS--NETTINGS SHALL BE USED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS. NETTING MAY BE NECESSARY TO HOLD MULCH IN PLACE IN AREAS OF CONCENTRATION RUNOFF AND ON CRITICAL SLOPES.
- SYNTHETIC BINDERS--SYNTHETIC BINDERS SUCH AS ACRYLIC DLR (AGRI-TAC), DCA-70, PETROSET, TERRA TACK OR EQUAL MAY BE USED AT RATES RECOMMENDED BY THE MANUFACTURER.
- WOOD-CELLULOSE FIBER--WOOD-CELLULOSE FIBER BINDER SHALL BE APPLIED AT A NET DRY WEIGHT OF 750 LB. PER ACRE. THE WOOD-CELLULOSE FIBER SHALL BE MIXED WITH WATER, AND THE MIXTURE SHALL CONTAIN A MAXIMUM OF 50 LB. PER 100 GALLONS.

INSPECTION:

THE SITE WILL BE INSPECTED PER OHIO EPA PERMIT No. OHC000005: PART III.G.2.i I.

INSPECTIONS. THE PERMITTEE SHALL ASSIGN "QUALIFIED INSPECTION PERSONNEL" TO CONDUCT INSPECTIONS TO ENSURE THAT THE CONTROL PRACTICES ARE FUNCTIONAL AND TO EVALUATE WHETHER THE SWP3 IS ADEQUATE AND PROPERLY IMPLEMENTED IN ACCORDANCE WITH THE SCHEDULE PROPOSED IN PART III.G.1.G OF THE OHC000005 PERMIT OR WHETHER ADDITIONAL CONTROL MEASURES ARE REQUIRED. AT A MINIMUM, PROCEDURES IN A SWP3 SHALL PROVIDE THAT ALL CONTROLS ON THE SITE ARE INSPECTED:
* AFTER ANY STORM EVENT GREATER THAN ONE-HALF INCH OF RAIN PER 24-HOUR PERIOD BY THE END OF THE NEXT CALENDAR DAY, EXCLUDING WEEKENDS AND HOLIDAYS UNLESS WORK IS SCHEDULED; AND
* ONCE EVERY SEVEN CALENDAR DAYS.

THE INSPECTION FREQUENCY MAY BE REDUCED TO AT LEAST ONCE EVERY MONTH FOR DORMANT SITES IF:
* THE ENTIRE SITE IS TEMPORARILY STABILIZED OR
* RUNOFF IS UNLIKELY DUE TO WEATHER CONDITIONS FOR EXTENDED PERIODS OF TIME (E.G. SITE IS COVERED WITH SNOW, ICE, OR THE GROUND IS FROZEN).
* THE PERMITTEE SUBMITS AN APPROVED WAVER REQUEST TO THE OEPA.

THE BEGINNING AND ENDING DATES OF ANY REDUCED INSPECTION FREQUENCY SHALL BE DOCUMENTED IN THE SWP3. ONCE A DEFINABLE AREA HAS ACHIEVED FINAL STABILIZATION, THE AREA MAY BE MARKED ON THE SWP3 AND NO FURTHER INSPECTION REQUIREMENTS SHALL APPLY TO THAT PORTION OF THE SITE.

FOLLOWING EACH INSPECTION, A CHECKLIST MUST BE COMPLETED AND SIGNED BY THE QUALIFIED INSPECTION PERSONNEL REPRESENTATIVE. AT A MINIMUM, THE INSPECTION REPORT SHALL INCLUDE:

i. THE INSPECTION DATE; THE INSPECTION DATE;
ii. NAMES, TITLES, AND QUALIFICATIONS OF PERSONNEL MAKING THE INSPECTION; NAMES, TITLES, AND QUALIFICATIONS OF PERSONNEL MAKING THE INSPECTION;
iii. WEATHER INFORMATION FOR THE PERIOD SINCE THE LAST INSPECTION (OR SINCE COMMENCEMENT OF CONSTRUCTION WEATHER INFORMATION FOR THE PERIOD SINCE THE LAST INSPECTION (OR SINCE COMMENCEMENT OF CONSTRUCTION ACTIVITY IF THE FIRST INSPECTION) INCLUDING A BEST ESTIMATE OF THE BEGINNING OF EACH STORM EVENT, DURATION OF EACH STORM EVENT, APPROXIMATE AMOUNT OF RAINFALL FOR EACH STORM EVENT (IN INCHES), AND WHETHER ANY DISCHARGES OCCURRED;
iv. WEATHER INFORMATION AND A DESCRIPTION OF ANY DISCHARGES OCCURRING AT THE TIME OF THE INSPECTION; WEATHER INFORMATION AND A DESCRIPTION OF ANY DISCHARGES OCCURRING AT THE TIME OF THE INSPECTION;
v. LOCATION(S) OF DISCHARGES OF SEDIMENT OR OTHER POLLUTANTS FROM THE SITE; LOCATION(S) OF DISCHARGES OF SEDIMENT OR OTHER POLLUTANTS FROM THE SITE;
vi. LOCATION(S) OF BMPS THAT NEED TO BE MAINTAINED; LOCATION(S) OF BMPS THAT NEED TO BE MAINTAINED;
vii. LOCATION(S) OF BMPS THAT FAILED TO OPERATE AS DESIGNED OR PROVED INADEQUATE FOR A PARTICULAR LOCATION; LOCATION(S) OF BMPS THAT FAILED TO OPERATE AS DESIGNED OR PROVED INADEQUATE FOR A PARTICULAR LOCATION;
viii. LOCATION(S) WHERE ADDITIONAL BMPS ARE NEEDED THAT DID NOT EXIST AT THE TIME OF INSPECTION; AND LOCATION(S) WHERE ADDITIONAL BMPS ARE NEEDED THAT DID NOT EXIST AT THE TIME OF INSPECTION; AND
ix. CORRECTIVE ACTION REQUIRED INCLUDING ANY CHANGES TO THE SWP3 NECESSARY AND IMPLEMENTATION DATES.

DISTURBED AREAS AND AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION SHALL BE INSPECTED FOR EVIDENCE OF OR THE POTENTIAL FOR POLLUTANTS ENTERING THE DRAINAGE SYSTEM. EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE SWP3 SHALL BE OBSERVED TO ENSURE THAT THOSE ARE OPERATING CORRECTLY. DISCHARGE LOCATIONS SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION AND SEDIMENT CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO THE RECEIVING WATERS. LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE SHALL BE INSPECTED FOR EVIDENCE OF OFF-SITE VEHICLE TRACKING.

THE PERMITTEE SHALL MAINTAIN FOR THREE YEARS FOLLOWING THE SUBMITTAL OF A NOTICE OF TERMINATION FORM, A RECORD SUMMARIZING THE RESULTS OF THE INSPECTION, NAMES(S) AND QUALIFICATIONS OF PERSONNEL MAKING THE INSPECTION, THE DATE(S) OF THE INSPECTION, MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THE SWP3 AND A CERTIFICATION AS TO WHETHER THE FACILITY IS IN COMPLIANCE WITH THE SWP3 AND THE PERMIT AND IDENTIFY ANY INCIDENTS OF NON-COMPLIANCE. THE RECORD AND CERTIFICATION SHALL BE SIGNED IN ACCORDANCE WITH PART V.G. OF THIS PERMIT.

i. WHEN PRACTICES REQUIRE REPAIR OR MAINTENANCE. IF THE INSPECTION REVEALS THAT A CONTROL PRACTICE IS IN NEED OF REPAIR OR MAINTENANCE, WITH THE EXCEPTION OF A SEDIMENT SETTLING POND, IT SHALL BE REPAIRED OR MAINTAINED WITHIN 3 DAYS OF THE INSPECTION. SEDIMENT SETTLING PONDS SHALL BE REPAIRED OR MAINTAINED WITHIN 10 DAYS OF THE INSPECTION.

ii. WHEN PRACTICES FAIL TO PROVIDE THEIR INTENDED FUNCTION. IF THE INSPECTION REVEALS THAT A CONTROL PRACTICE FAILS TO PERFORM ITS INTENDED FUNCTION AND THAT ANOTHER, MORE APPROPRIATE CONTROL PRACTICE IS REQUIRED, THE SWP3 SHALL BE AMENDED AND THE NEW CONTROL PRACTICE SHALL BE INSTALLED WITHIN 10 DAYS OF THE INSPECTION.

iii. WHEN PRACTICES DEPICTED ON THE SWP3 ARE NOT INSTALLED. IF THE INSPECTION REVEALS THAT A CONTROL PRACTICE HAS NOT BEEN IMPLEMENTED IN ACCORDANCE WITH THE SCHEDULE CONTAINED IN PART III.G.1.H OF THIS PERMIT, THE CONTROL PRACTICE SHALL BE IMPLEMENTED WITHIN 10 DAYS FROM THE DATE OF THE INSPECTION. IF THE INSPECTION REVEALS THAT THE PLANNED CONTROL PRACTICE IS NOT NEEDED, THE RECORD SHALL CONTAIN A STATEMENT OF EXPLANATION AS TO WHY THE CONTROL PRACTICE IS NOT NEEDED.

2. VEGETATIVE PLANTINGS - SPRING PLANTINGS WILL BE CHECKED DURING SUMMER OR EARLY FALL.

3. REPAIRS - ANY EROSION CONTROL MEASURES, STRUCTURAL MEASURES, OR OTHER RELATED ITEMS IN NEED OF REPAIR WILL BE MADE WITHIN 3 DAYS.

4. MOWING - DRAINAGE WAYS, DITCHES, AND OTHER AREAS THAT SUPPORT A DESIGNED FLOW OF WATER WILL BE MOWED REGULARLY TO MAINTAIN THAT FLOW.

5. FERTILIZATION - SEEDED AREAS WHERE THE SEED HAS NOT PRODUCED A GOOD COVER WILL BE INSPECTED AND FERTILIZED AS NECESSARY.

Mote & Associates
Engineering, Land Surveying
214 W. Fourth St., Greenville, OH 45331 937.548.7511 www.moteassociates.com

STATE OF OHIO
JERRY L McCLANNAN E 48648
PROFESSIONAL ENGINEER
Jerry L. McClannan

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NEW BUILDING FOR
ARCANUM BOOSTER STADIUM PHASE III IMPROVEMENTS
310 NORTH MAIN STREET, ARCANUM, OHIO 45304

ISSUANCES/REVISIONS

CONSTRUCTION DOCUMENTS	1/06/2026

PROJECT NUMBER:	DRAWN BY:	CHECKED BY:
23047.03	TJB	JLM

SHEET TITLE:
STORM WATER POLLUTION PREVENTION PLAN

SHEET NUMBER:
C3.4

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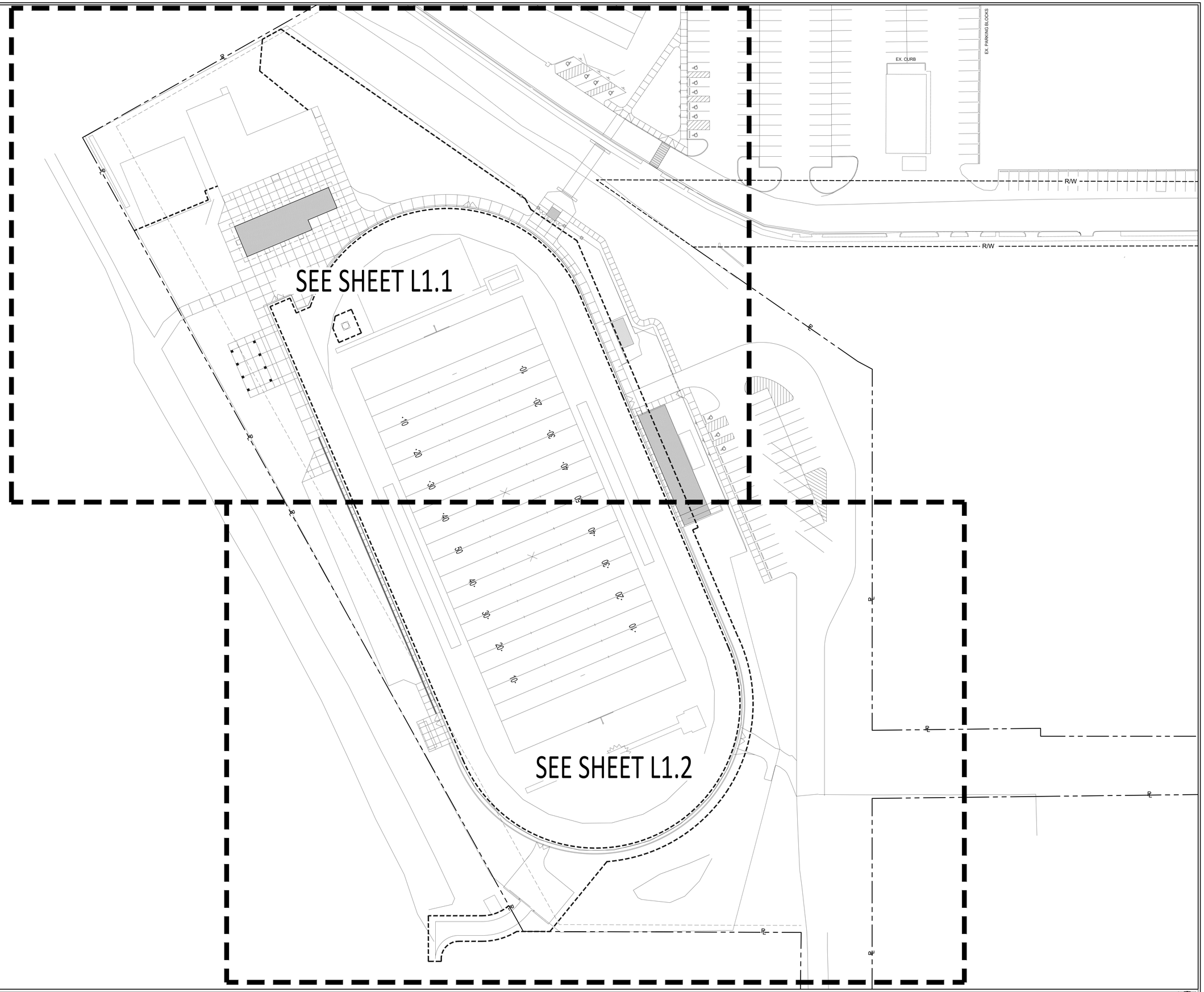

1 L1.0 OVERALL SITE PLAN
1" = 30'-0"

STATE OF OHIO
MATTHEW R. HIBNER
14146052
REGISTERED ARCHITECT
MATTHEW R. HIBNER
LICENSE #14146052
EXPIRATION DATE: 12/31/2027

GARMANN MILLER
ARCHITECTURE | PLANNING | INTERIORS
MADISON, OHIO | COLUMBUS, OHIO | INDIANAPOLIS, INDIANA | FT. WAYNE, INDIANA
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NEW BUILDING FOR

ARCANUM BOOSTER STADIUM PHASE III IMPROVEMENTS

310 NORTH MAIN STREET, ARCANUM, OHIO 45304

ISSUANCES/REVISIONS	
CONSTRUCTION DOCUMENTS	01/06/2026

PROJECT NUMBER:	DRAWN BY:	CHECKED BY:
23047.03	MAD	SKE

SHEET TITLE:

OVERALL SITE PLAN

SHEET NUMBER:

L1.0

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1 L1.1 SITE LAYOUT AND MATERIALS PLAN - NORTH
1/16" = 1'-0"

KEYNOTE SCHEDULE

	EXISTING
E1	EXISTING TRACK SURFACE TO REMAIN
E2	EXISTING ASPHALT TO REMAIN
E3	EXISTING CONCRETE PAVEMENT
E4	EXISTING CLEANOUT TO REMAIN. ADJUST LID TO MEET GRADE, SEE CIVIL DRAWINGS
E5	EXISTING CHAINLINK FENCE TO REMAIN
E6	EXISTING CHAINLINK GATE TO REMAIN
E7	EXISTING LIGHTPOLE
E8	EXISTING ELECTRICAL UTILITY, SEE ELECTRICAL DRAWINGS
E9	EXISTING GRAVEL TO REMAIN
E10	EXISTING MANHOLE TO REMAIN, SEE CIVIL DRAWINGS
E11	EXISTING WATER METER PIT
	RELOCATED
R1	RELOCATED VICTORY BELL
R2	RELOCATED MEMORIAL ROCK
	SITE
S1	CONCRETE PAVEMENT, SEE DETAIL 1/L2.1
S2	4' HIGH CHAINLINK FENCE, SEE DETAIL 3/L2.1
S3	4' HIGH X 12' WIDE DOUBLE LEAF CHAINLINK GATE, SEE DETAIL 2/L2.1
S4	4' HIGH CHAINLINK FENCE, SURFACE MOUNTED TO CONCRETE RETAINING WALL, SEE DETAIL 5/L2.1
S5	CONCRETE PAD FOR BLEACHER, SEE DETAILS 7 & 8/L2.1
S6	18" HIGH CONCRETE RETAINING WALL, SEE DETAIL 5/L2.1
S7	ANTI HEAVE SLAB, SEE STRUCTURAL DRAWINGS FOR DETAIL
S8	GRAVEL SURFACE OVER WEED FABRIC, SEE SPECIFICATIONS
S9	72 SEAT BLEACHER, SEE SPECIFICATIONS
S10	GRAVEL MOW STRIP, SEE DETAIL 4/L2.1
S11	CANTILEVER SLIDE GATE, SEE DETAIL 9/L2.1. GATE TO MATCH EXISTING ON SITE
	PLANTING
P1	FINE GRADE AND SEED LAWN, SEE SPECIFICATIONS
P2	PLANT BED, SEE DETAIL 7/L2.1 AND SPECIFICATIONS

LEGEND

- P.O.B. (POINT OF BEGINNING)
- ALIGN
- KEYED NOTE DESIGNATION-REFER TO NOTES THIS SHEET
- CONTROL JOINT
- CONCRETE PAVEMENT
- CONCRETE PAVEMENT
- GRAVEL SURFACING
- ANTI-HEAVE CONC. SLAB SEE STRUCTURAL DRAWINGS

GENERAL NOTES

A.	FIELD VERIFY DIMENSIONS & CONDITIONS PRIOR TO START OF CONSTRUCTION. NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCY OR SITUATION DISCOVERED THAT DOES NOT CONFORM TO CONSTRUCTION DOCUMENTS.
B.	WORK PERFORMED IS SUBJECT TO APPROVAL BY THE ARCHITECT AND OWNER. WORK FOUND TO BE UNSATISFACTORY SHALL BE REMOVED AND PROPERLY REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
C.	TEMPORARILY SUPPORT WALLS, HEADERS, STRUCTURES, PIPING, DUCTWORK, CONDUIT, ETC., AS REQUIRED UNTIL FINAL SUPPORTS ARE IN PLACE.
D.	PATCH & REPAIR ALL AREAS, SURFACES & MATERIALS TO CONDITION OF SURROUNDING AREA.
E.	CLOSELY COORDINATE WORK WITH THE OWNER AND WITH ALL OTHER CONTRACTORS HIRED BY THE OWNER. CLARIFY IN ADVANCE ANY QUESTIONS AS TO SCOPE OF WORK AND AREAS OF RESPONSIBILITY.
F.	PATCH AND REPAIR DISTURBED LAWN AREAS.
G.	DIMENSIONS ARE TO FACE OF CURB, FENCE, COLUMN OR CENTERLINE UNLESS OTHERWISE NOTED. WALKS SHALL BE CENTERED ON DOOR WAYS.
H.	WALKS SHALL MEET BOTH VERTICALLY AND HORIZONTALLY.
I.	LAYOUT AND DIMENSIONS ARE PARALLEL AND PERPENDICULAR TO ONE ANOTHER UNLESS OTHERWISE INDICATED IN PLANS.
J.	CONTRACTOR SHALL CALL OUPS (800) 362-2764 PRIOR TO COMMENCEMENT OF ANY WORK.
K.	GENERAL CONTRACTOR IS TO MAINTAIN THE SITE WITHIN THE CONSTRUCTION FENCELINE THROUGHOUT CONSTRUCTION IN A CLEAN AND ORDERLY MANNER. MOW GRASS, MAINTAIN PLANT BEDS TO BE FREE OF WEEDS, PICK-UP TRASH, ETC. THE SITE IS TO BE LEFT IN THE SAME OR BETTER CONDITION THAN ORIGINALLY FOUND.

PLANT LIST - SHRUBS

BU GV	BUXUS X 'GREEN VELVET/GREEN VELVET BOXWOOD	#3 CONT.	3.5 O.C.
HY PA	HYDRANGEA PANICULATA/LITTLE QUICK FIRE HYDRANGEA	#3 CONT.	5' O.C.

STATE OF OHIO
MATTHEW R. HIBNER 14160552 REGISTERED ARCHITECT
MATTHEW R. HIBNER
LICENSE #14160552
EXPIRATION DATE: 12/31/2027

GARMANN MILLER
MINSTER, OHIO | COLUMBUS, OHIO | INDIANAPOLIS, INDIANA | FT. WAYNE, INDIANA
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NEW BUILDING FOR

ARCANUM BOOSTER STADIUM PHASE III IMPROVEMENTS

310 NORTH MAIN STREET, ARCANUM, OHIO 45304

ISSUANCES/REVISIONS

CONSTRUCTION DOCUMENTS	01/06/2026

PROJECT NUMBER:	DRAWN BY:	CHECKED BY:
23047.03	MAD	SKE

SHEET TITLE:

SITE LAYOUT AND MATERIALS PLAN - NORTH

SHEET NUMBER:

L1.1

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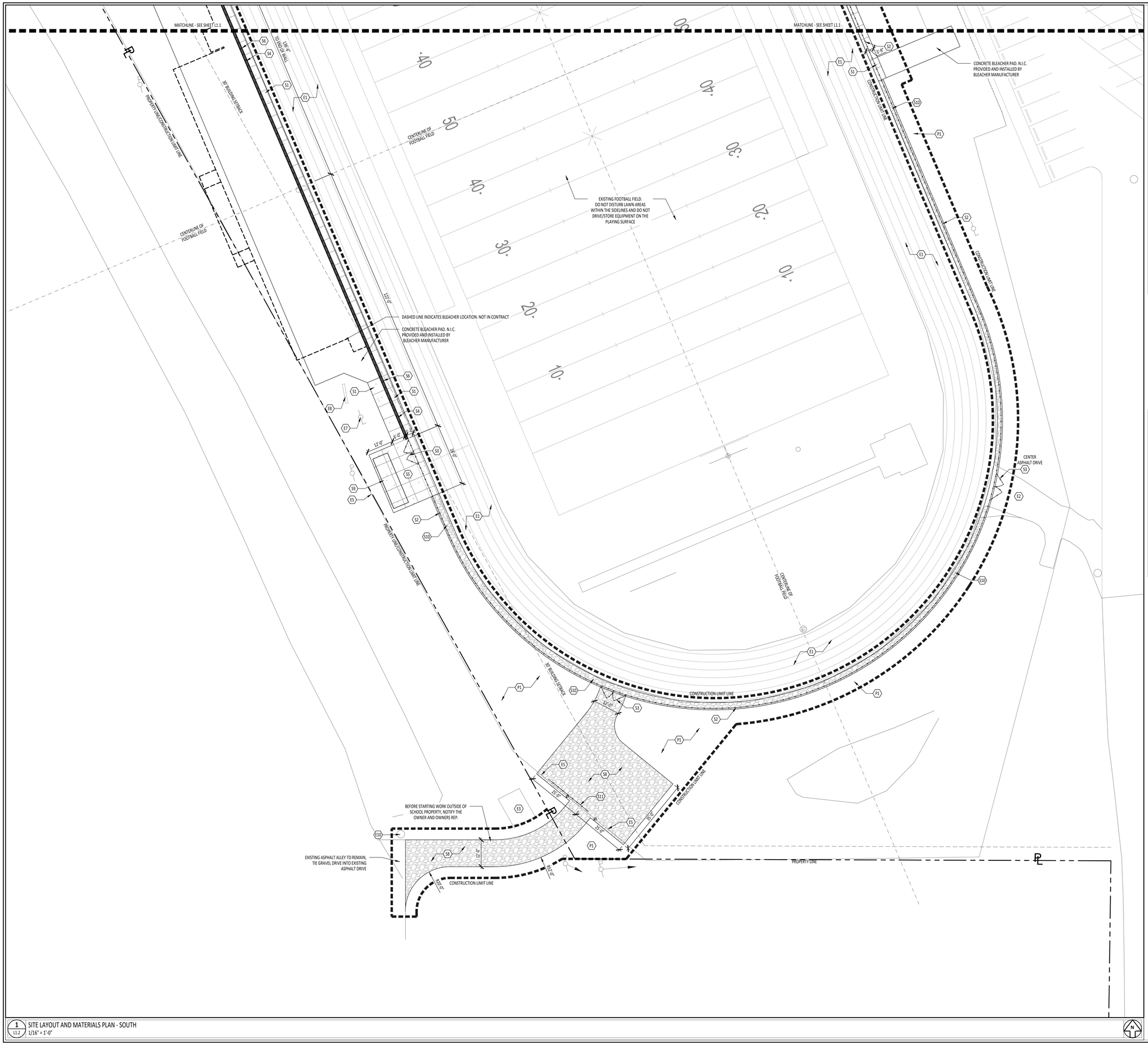

1 L1.2 SITE LAYOUT AND MATERIALS PLAN - SOUTH
1/16" = 1'-0"

KEYNOTE SCHEDULE

	EXISTING
E1	EXISTING TRACK SURFACE TO REMAIN
E2	EXISTING ASPHALT TO REMAIN
E3	EXISTING CONCRETE PAVEMENT
E4	EXISTING CLEANOUT TO REMAIN. ADJUST LID TO MEET GRADE, SEE CIVIL DRAWINGS
E5	EXISTING CHAINLINK FENCE TO REMAIN
E6	EXISTING CHAINLINK GATE TO REMAIN
E7	EXISTING LIGHTPOLE
E8	EXISTING ELECTRICAL UTILITY, SEE ELECTRICAL DRAWINGS
E9	EXISTING GRAVEL TO REMAIN
E10	EXISTING MANHOLE TO REMAIN, SEE CIVIL DRAWINGS
E11	EXISTING WATER METER PIT
	RELOCATED
R1	RELOCATED VICTORY BELL
R2	RELOCATED MEMORIAL ROCK
	SITE
S1	CONCRETE PAVEMENT, SEE DETAIL 1/L2.1
S2	4' HIGH CHAINLINK FENCE, SEE DETAIL 3/L2.1
S3	4' HIGH X 12' WIDE DOUBLE LEAF CHAINLINK GATE, SEE DETAIL 2/L2.1
S4	4' HIGH CHAINLINK FENCE, SURFACE MOUNTED TO CONCRETE RETAINING WALL, SEE DETAIL 5/L2.1
S5	CONCRETE PAD FOR BLEACHER, SEE DETAILS 7 & 8/L2.1
S6	18" HIGH CONCRETE RETAINING WALL, SEE DETAIL 5/L2.1
S7	ANTI HEAVE SLAB, SEE STRUCTURAL DRAWINGS FOR DETAIL
S8	GRAVEL SURFACE OVER WEED FABRIC, SEE SPECIFICATIONS
S9	72 SEAT BLEACHER, SEE SPECIFICATIONS
S10	GRAVEL MOW STRIP, SEE DETAIL 4/L2.1
S11	CANTILEVER SLIDE GATE, SEE DETAIL 9/L2.1. GATE TO MATCH EXISTING ON SITE
	PLANTING
P1	FINE GRADE AND SEED LAWN, SEE SPECIFICATIONS
P2	PLANT BED, SEE DETAIL 7/L2.1 AND SPECIFICATIONS

LEGEND

- P.O.B. (POINT OF BEGINNING)
- ALIGN
- KEYED NOTE DESIGNATION-REFER TO NOTES THIS SHEET
- CONTROL JOINT
- CONCRETE PAVEMENT
- CONCRETE PAVEMENT
- GRAVEL SURFACING
- ANTI-HEAVE CONC. SLAB SEE STRUCTURAL DRAWINGS

GENERAL NOTES

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K.	GENERAL CONTRACTOR IS TO MAINTAIN THE SITE WITHIN THE CONSTRUCTION FENCELINE THROUGHOUT CONSTRUCTION IN A CLEAN AND ORDERLY MANNER. MOW GRASS, MAINTAIN PLANT BEDS TO BE FREE OF WEEDS, PICK-UP TRASH, ETC. THE SITE IS TO BE LEFT IN THE SAME OR BETTER CONDITION THAN ORIGINALLY FOUND.

STATE OF OHIO
MATTHEW R. HIBNER
14160552
REGISTERED ARCHITECT
MATTHEW R. HIBNER
LICENSE #14160552
EXPIRATION DATE: 12/31/2027

GARMANN MILLER
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NEW BUILDING FOR

ARCANUM BOOSTER STADIUM PHASE III IMPROVEMENTS

310 NORTH MAIN STREET, ARCANUM, OHIO 45304

ISSUANCES/REVISIONS

CONSTRUCTION DOCUMENTS	01/06/2026

PROJECT NUMBER:	DRAWN BY:	CHECKED BY:
23047.03	MAD	SKE

SHEET TITLE:

SITE LAYOUT AND MATERIALS PLAN - SOUTH

SHEET NUMBER:

L1.2

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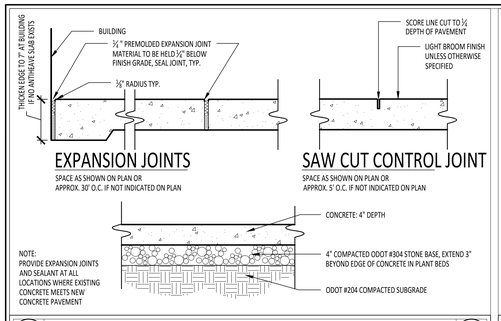
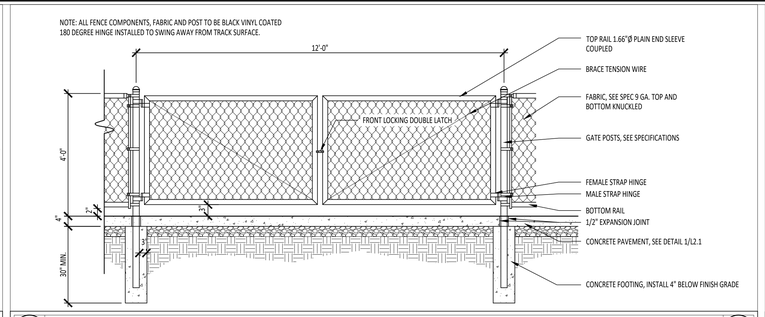
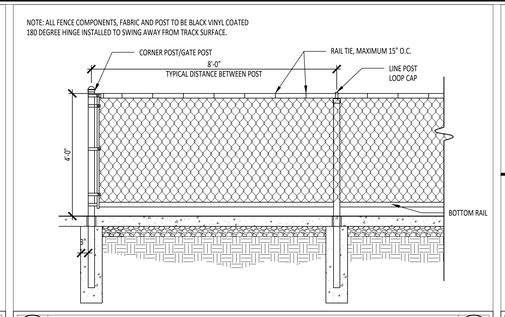


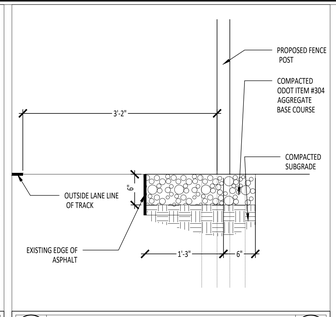
1 L2.1 CONCRETE PAVEMENT AND JOINTS
1" = 1'- 0"



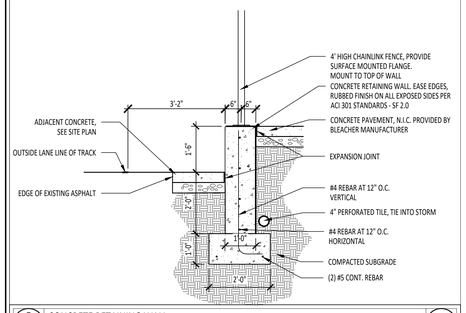
2 L2.1 4' HIGH CHAINLINK GATE
1/2" = 1'- 0"



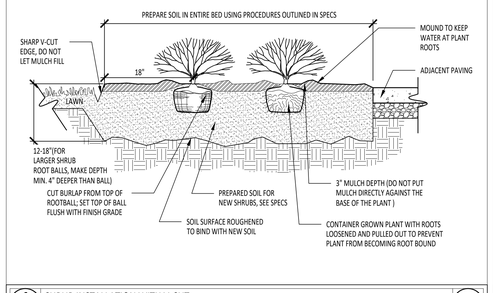
3 L2.1 4' HIGH CHAINLINK FENCE
1/2" = 1'- 0"



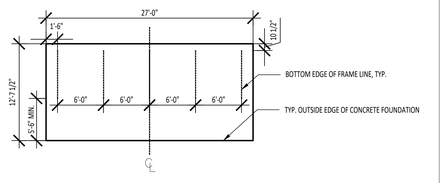
4 L2.1 GRAVEL MOW STRIP AROUND TRACK
1" = 1'- 0"



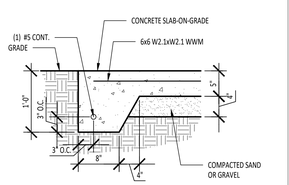
5 L2.1 CONCRETE RETAINING WALL
1/2" = 1'- 0"



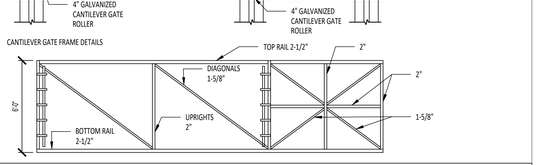
6 L2.1 SHRUB INSTALLATION WITH V-CUT
3/4" = 1'- 0"



7 L2.1 CONCRETE PAD FOR BLEACHER
1/8"= 1'-0"



8 L2.1 CONCRETE PAD SECTION
1"= 1'-0"



9 L2.1 CANTILEVER SLIDE GATE
N.T.S.

STATE OF OHIO
MATTHEW R. HIBNER 14160052
REGISTERED ARCHITECT
MATTHEW R. HIBNER
LICENSE #14160052
EXPIRATION DATE: 12/31/2027

GARMANN MILLER
ARCHITECTURE | PLANNING | INTERIORS
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ARCANUM BOOSTER STADIUM PHASE III IMPROVEMENTS

NEW BUILDING FOR
310 NORTH MAIN STREET, ARCANUM, OHIO 45304

ISSUANCES/REVISIONS	
CONSTRUCTION DOCUMENTS	01/06/2026

PROJECT NUMBER:	DRAWN BY:	CHECKED BY::
23047.03	MAD	SKE

SHEET TITLE:
SITE DETAILS

SHEET NUMBER:
L2.1

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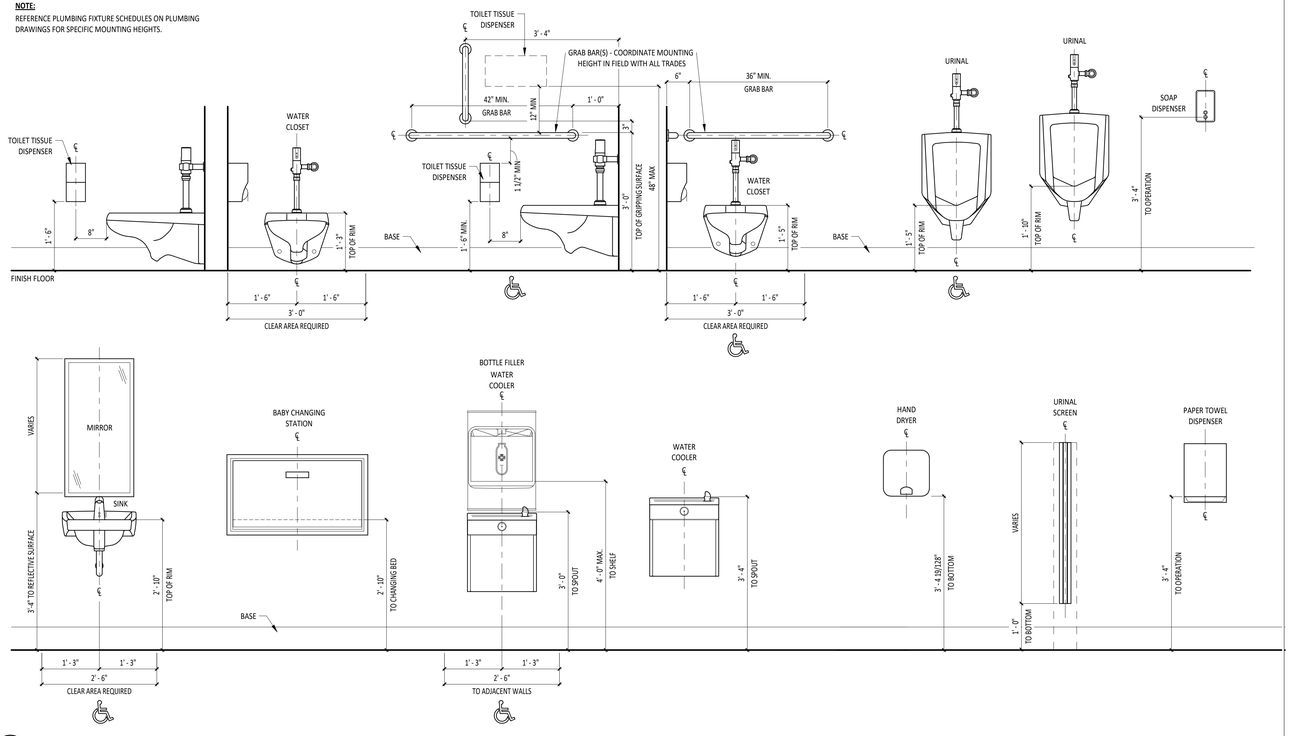
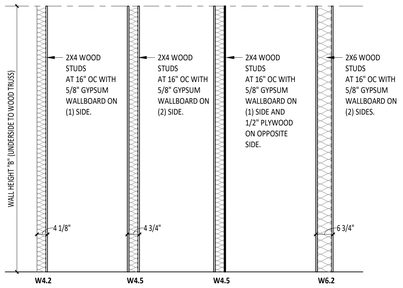
NOTE:
REFERENCE PLUMBING FIXTURE SCHEDULES ON PLUMBING DRAWINGS FOR SPECIFIC MOUNTING HEIGHTS.

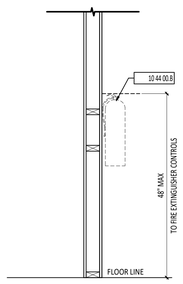


2 A0.1 **MOUNTING HEIGHTS (7-ADULT)**
3/4" = 1'-0"



REFERENCE FLOOR PLANS FOR LOCATIONS.

3 A0.1 **WOOD STUD WALL TYPES (W)**
1/2" = 1'-0"



1 A0.1 **SURFACE MOUNT FIRE EXTINGUISHER**
3/4" = 1'-0"

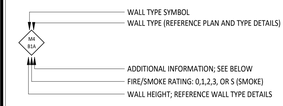
GENERAL NOTES

A REFERENCE GENERAL CONSTRUCTION NOTES AND SPECIFICATIONS FOR MORE INFORMATION AND BID ALTERNATES.
B REFERENCE SPECIFICATIONS AND DRAWINGS FOR SPECIAL REQUIREMENTS AND CONDITIONS.
C FINISH FIRST FLOOR ELEVATION INDICATED FOR THE NEW WORK IS 100'-0". REFERENCE SITE DRAWINGS FOR RELATIONSHIP TO U.S.G.S. DATUM. ELEVATIONS OF EXISTING ELEMENTS RELATIVE TO 100'-0" SHALL BE FIELD VERIFIED BY THE CONTRACTOR(S). CONTRACTOR(S) SHALL NOTIFY THE CONSTRUCTION MANAGER IMMEDIATELY OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.
D THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE WORK IS COMPLETE. CONTRACTOR(S) SHALL DETERMINE THE CONSTRUCTION PROCEDURES AND SEQUENCES AND ENSURE THE INTEGRITY OF THE WORK AND ITS COMPONENT PARTS DURING CONSTRUCTION. THIS INCLUDES SHORING, SHEATHING, TEMPORARY ENCLOSURES AND TEMPORARY POSITIVE WATER DRAINAGE FROM THE SITE AND ALL BUILDING ROOFS.
E CONTRACTOR(S) SHALL MAINTAIN ALL LEGAL EGRESS FROM THE WORK TO COMPLY WITH APPLICABLE BUILDING CODES, SAFETY REGULATIONS AND THE DISCRETION OF THE GOVERNING LOCAL BUILDING CODE AUTHORITIES FOR THE HEALTH, SAFETY AND WELFARE OF THE PUBLIC FOR NORMAL ACTIVITIES AND EMERGENCY EGRESS FROM THE WORK. THE CONTRACTOR(S) SHALL FURNISH AND INSTALL ANY TEMPORARY WALLS, DOORS, HARDWARE PARTITIONS, SCREENS, ENCLOSURES AND PEDESTRIAN PROTECTIONS TO MAINTAIN SUCH LEGAL EGRESS.
F CONTRACTOR(S) SHALL VERIFY ALL DIMENSIONS AND CLEARANCES BEFORE PROCEEDING WITH THE WORK. COMMENCEMENT OF THE WORK, BY THE CONTRACTOR(S), CONSTITUTES ACCEPTANCE OF THE EXISTING CONDITIONS. CONTRACTOR(S) SHALL NOTIFY THE CONSTRUCTION MANAGER IMMEDIATELY OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.
G ALL CIP CONCRETE CURBS AND EQUIPMENT PADS SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR RESPONSIBLE FOR THE ASSOCIATED WORK.
I FURNISH AND INSTALL FLOOR DRAINS 1/2" BELOW FLOOR PERIMETER. SLOPE FINISH FLOOR TO FLOOR DRAINS. REFERENCE PLUMBING DRAWINGS FOR EXACT LOCATIONS.
K ALL DIMENSIONS ARE MEASURED TO THE FACE OF MASONRY OR THE FACE OF STUD UNLESS NOTED OR DETAILED OTHERWISE.
M ALL CMU'S THAT DO NOT LAY OUT IN FULL OR HALF BLOCK LENGTHS SHALL BE BALANCED SUCH THAT PIECES SHALL HAVE NO LESS THAN 4" EXPOSED TO VIEW.
O BOTH EXTERIOR AND INTERIOR CMU WORK SHALL BE RUNNING BOND UNLESS NOTED OR DETAILED OTHERWISE.
P SINGLE WYTHE WALLS ARE INDICATED IN ACTUAL DIMENSIONS UNLESS NOTED OR DETAILED OTHERWISE.
R INTERIOR FINISHES SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH THE LOCAL BUILDING CODE AUTHORITY HAVING JURISDICTION OVER THE WORK, AS WELL AS ALL APPLICABLE FEDERAL, STATE AND LOCAL BUILDING CODES AND REGULATIONS.
S REFERENCE FINISH MATERIAL SCHEDULE FOR ALL INTERIOR FINISHES. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.
T THE CONTRACTOR(S) SHALL FURNISH AND INSTALL TREATED WOOD BLOCKING IN WALLS AS REQUIRED TO SECURE ALL EQUIPMENT, ACCESSORIES, HANDRAILS, CASEWORK, ETC. COORDINATE THIS WORK WITH ALL APPROPRIATE CONTRACTORS, SUPPLIERS AND MANUFACTURERS RECOMMENDATIONS. SUCH WOOD BLOCKING SHALL BE FASTENED TO STRUCTURAL MEMBERS AND CMU(S) WITH MINIMUM 1/2" DIAMETER EXPANSION BOLTS AT 48" OC MAXIMUM UNLESS NOTED OR DETAILED OTHERWISE.
U REFERENCE EQUIPMENT PLANS FOR EQUIPMENT MOUNTING HEIGHTS.
V REFERENCE FLOOR PLANS FOR FIRE EXTINGUISHER (FE) AND FIRE EXTINGUISHER CABINET (FEC) LOCATIONS. REFERENCE EQUIPMENT DRAWINGS FOR MOUNTING HEIGHTS.
W THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ELECTRICAL WALL BOXES IN PLAIN-FACE CMU(S), FURNISHED AND INSTALLED BY THE GENERAL TRADES CONTRACTOR, AS OPPOSED TO SPLIT-FACE, SOUND-ABSORBING, OR SOUND-DIFFUSING CMU(S). THE GENERAL TRADES CONTRACTOR SHALL COORDINATE SUCH EXACT LOCATIONS WITH THE ELECTRICAL CONTRACTOR. NOTIFY THE ARCHITECT OF THOSE LOCATIONS BEFORE PROCEEDING WITH THE WORK.
X THE GENERAL TRADES CONTRACTOR IS REQUIRED TO CUT AND PATCH ANY OPENINGS LARGER THAN 8" AS REQUIRED FOR ANY FOOD SERVICE, PLUMBING, MECHANICAL, ELECTRICAL AND FIRE PROTECTION CONTRACTOR(S) TO FURNISH AND INSTALL THEIR WORK. CUTTING AND PATCHING INCLUDING CUTTING FLOOR AND/OR WALL, EXCAVATING, BACK FILLING, PATCHING AND REPAIR AS REQUIRED TO MATCH EXISTING ADJACENT SURFACE TO ACCEPT NEW FINISH. REFERENCE ENGINEERING DRAWINGS FOR LOCATIONS OF WORK TO BE PERFORMED. THIS INCLUDES ALL AREAS NOT SPECIFICALLY NOTED BUT REQUIRING CUTTING AND PATCHING.
Y REFERENCE CODE PLANS, FLOOR PLANS, REFLECTED CEILING PLANS AND WALL SECTIONS FOR RATED ASSEMBLIES.
AA OPENINGS IN ROOF FOR ROOFTOP EQUIPMENT SHALL BE CUT BY THE ROOFING CONTRACTOR. THE ASSOCIATED CONTRACTOR SHALL COORDINATE LOCATIONS OF SUCH OPENINGS WITH THE ROOFING CONTRACTOR. EQUIPMENT CURBS ARE TO BE FURNISHED BY THE ASSOCIATE CONTRACTOR AND INSTALLED BY THE ROOFING CONTRACTOR.
BB REFERENCE PLUMBING DRAWINGS FOR ALL VENT STACK LOCATIONS. COORDINATE LOCATIONS OF SUCH PENETRATIONS WITH THE CONTRACTOR(S).
CC REFERENCE MECHANICAL DRAWINGS FOR ALL FLUE LOCATIONS. COORDINATE LOCATIONS OF SUCH PENETRATIONS WITH THE CONTRACTOR(S).
DD THE CONTRACTOR SHALL PROTECT ALL ROOF DRAINS, SCUPPERS AND DOWNSPOUTS FROM DEBRIS CREATED DURING DEMOLITION AND CONSTRUCTION. THE CONTRACTOR SHALL INSPECT AND CLEAR ALL ROOF DRAINS, SCUPPERS AND DOWNSPOUTS PRIOR TO THE COMPLETION OF THE WORK AND TO ENSURE THAT ALL ROOF DRAINS, SCUPPERS AND DOWNSPOUTS ARE FREE OF DEBRIS AND ARE FUNCTIONING PROPERLY AT PROJECT COMPLETION.
EE ALL TYPICAL ROOFING DETAILS ARE SHOWN FOR GENERAL INFORMATION. ALL FINAL FLASHING CONDITIONS SHALL MEET THE APPROVAL OF THE ROOFING MANUFACTURER. ALL DETAIL MODIFICATIONS MUST HAVE SHOP DRAWING APPROVAL.
FF INSTALL ALL FLASHING AND APPROPRIATE CRICKETS FOR ALL ROOFTOP PENETRATIONS.
GG ALL TOP OF STEEL AND TOP OF BOND BEAM ELEVATIONS SHOWN ON THE ARCHITECTURAL DRAWINGS ARE FOR COORDINATION PURPOSE ONLY. IN CASE OF DISCREPANCY BETWEEN ARCHITECTURAL AND STRUCTURAL DRAWINGS, CONTRACTOR(S) SHALL USE THE ELEVATIONS ON THE STRUCTURAL DRAWINGS AND NOTIFY THE CONSTRUCTION MANAGER IMMEDIATELY.
HH CONTRACTOR TO COORDINATE AND MAINTAIN MINIMUM 1'-0" WIDE BY 6'-0" HIGH SPACE ON LATCH SIDE OF ALL DOORS FOR OWNER'S SIGNAGE.
II IN THE EVENT OF INCONSISTENCIES WITHIN OR BETWEEN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL PROVIDE THE BETTER QUALITY OR GREATER QUALITY OF WORK AND SHALL COMPLY WITH THE STRICTER REQUIREMENTS.
JJ BASIC DEFINITIONS: 'FURNISH' SHALL MEAN TO PURCHASE AND DELIVER PRODUCT TO THE SITE READY FOR INSTALLATION; 'INSTALL' SHALL MEAN TO TAKE FURNISHED PRODUCT AND ASSEMBLE, ERECT, SECURE IN PLACE, CONNECT IN OPERATION AS APPLICABLE; 'PROVIDE' SHALL MEAN TO FURNISH AND INSTALL.

WALL TYPE GENERAL NOTES

B PROVIDE ACOUSTICAL SEALANT AT ALL JOINTS.
C PROVIDE DEFLECTION TRACK WHERE STUDS EXTEND TO THE BOTTOM OF STRUCTURE.

WALL TYPE INFORMATION



ADDITIONAL INFORMATION

A = ACOUSTICAL BATT INSULATION
FW = FIRE RATED WALL
FB = FIRE BARRIER WALL
G = GROUT WALL FULL

STATE OF OHIO
MATTHEW R. HIBNER 1416052
REGISTERED ARCHITECT
MATTHEW R. HIBNER
LICENSE #1416052
EXPIRATION DATE: 12/31/2027

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NEW BUILDING FOR
ARCANUM BOOSTER STADIUM PHASE III IMPROVEMENTS
310 NORTH MAIN STREET, ARCANUM, OHIO 45304

ISSUANCES/REVISIONS		
	CONSTRUCTION DOCUMENTS	01/06/2026

PROJECT NUMBER:	DRAWN BY:	CHECKED BY:
23047.03	KMV	CWS

SHEET TITLE:
WALL TYPES AND MOUNTING HEIGHTS

SHEET NUMBER:
A0.1

PRINTED ON: 1/8/2026 12:14:37 PM

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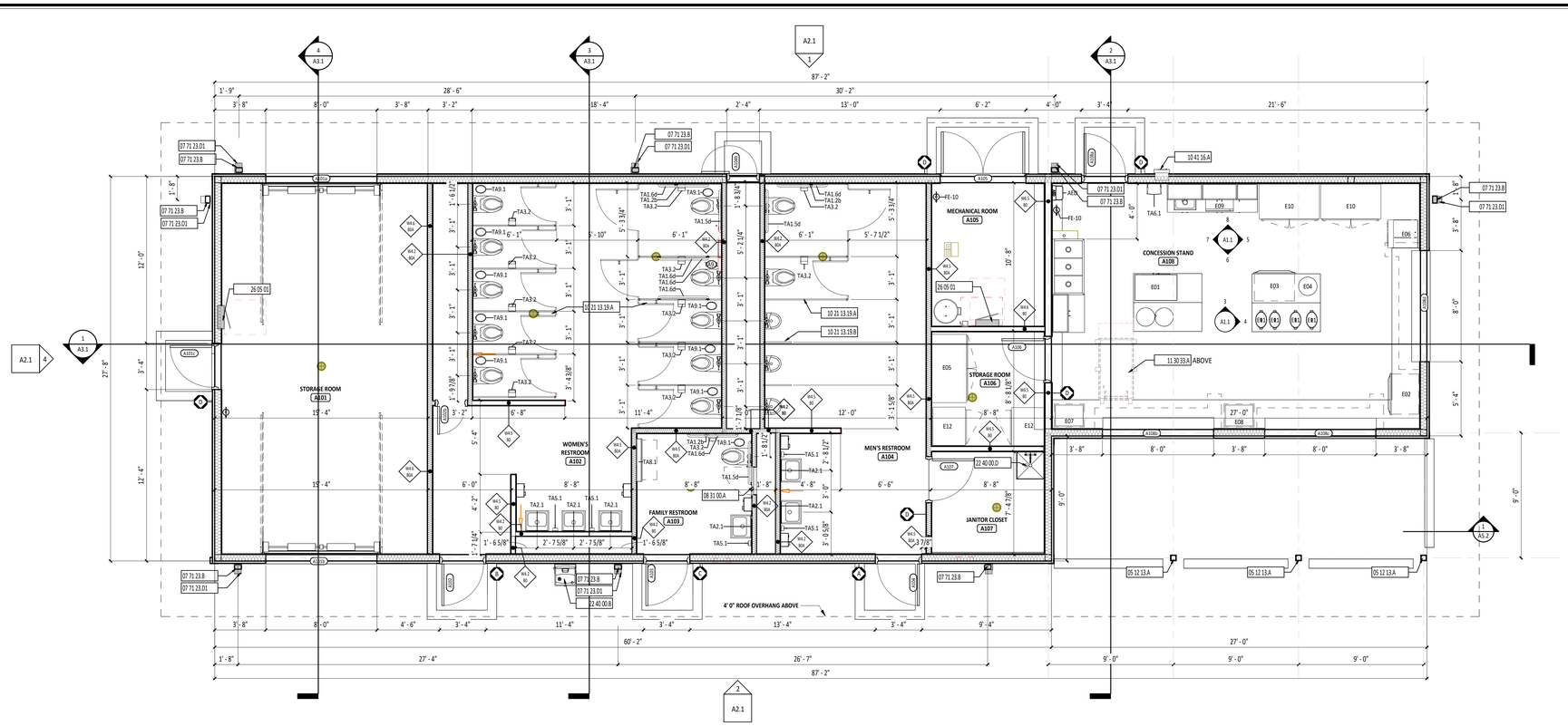
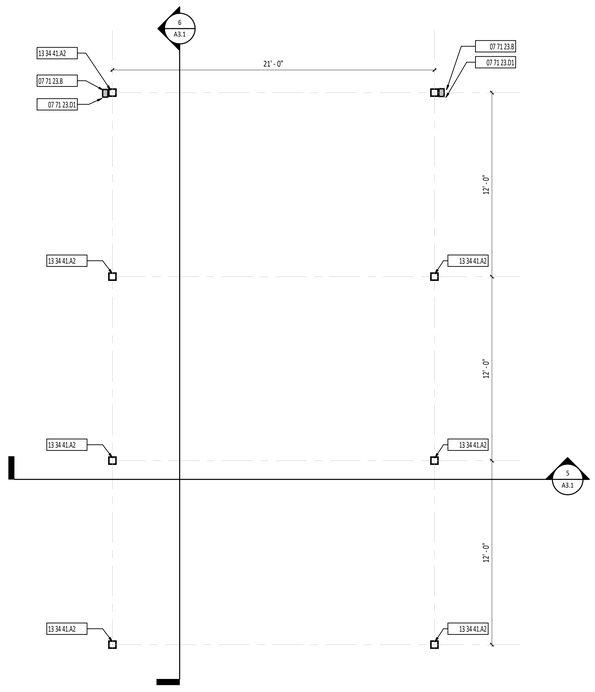
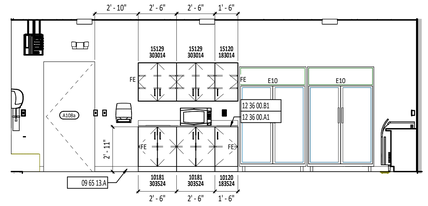


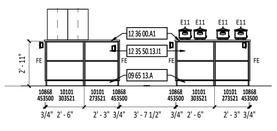
1 A1.1 **FIRST FLOOR PLAN - CONCESSION STAND**
1/4" = 1'-0"



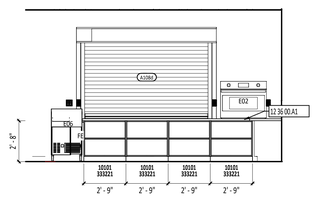
2 A1.1 **FIRST FLOOR PLAN - PAVILION**
1/4" = 1'-0"



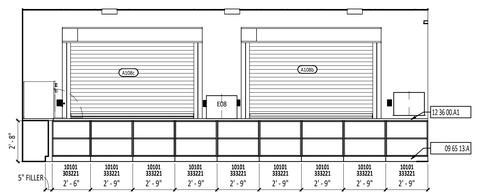
8 A1.1 **CASEWORK ELEVATION A108 - NORTH**
1/4" = 1'-0"



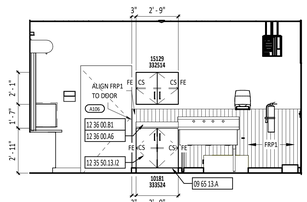
3 A1.1 **CASEWORK ELEVATION - A108 ISLAND**
1/4" = 1'-0"



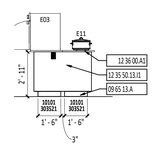
5 A1.1 **CASEWORK ELEVATION -A108 - EAST**
1/4" = 1'-0"



6 A1.1 **CASEWORK ELEVATION - A108 - SOUTH**
1/4" = 1'-0"



7 A1.1 **CASEWORK ELEVATION -A108 - WEST**
1/4" = 1'-0"



4 A1.1 **CASEWORK ELEVATION - A108 - ISLAND SIDES**
1/4" = 1'-0"

EQUIPMENT SCHEDULE

MARK	NEW EXISTING	DESCRIPTION	MANUFACTURER	MODEL	NOTES
E01	EXISTING	POPCORN MACHINE			1
E02	EXISTING	HENRY PENNY WARMER			1
E03	EXISTING	PRETZEL OVEN			1
E04	EXISTING	CHEESE WARMER			1
E07	EXISTING	WARMING LAMP			1
E09	EXISTING	MICROWAVE			1
E11	EXISTING	CROCKPOT/ ROASTERS	BIMsmith Generics	Crock pot	1
E05	NEW	DOUBLE DOOR REFRIGERATOR	TRUE		1
E06	NEW	ICE MACHINE AND BIN WITH WATER FILTER - 288 LBS/ DAY, 80 LB ICE STORAGE	HOSHIZAKI	F - 330BAJ - C	2

EQUIPMENT SCHEDULE

MARK	NEW EXISTING	DESCRIPTION	MANUFACTURER	MODEL	NOTES
E08	NEW	WARMING LAMP			1
E10	NEW	DRINK COOLER	PEPSI		1
E12	NEW	STAND UP FREEZER	FRIDGIDAIRE		1

EQUIPMENT SCHEDULE NOTES
1. OWNER FURNISHED, OWNER PROVIDED - NOT IN CONTRACT.
2. CONTRACTOR FURNISHED, CONTRACTOR INSTALLED.

FLOOR PLAN GENERAL NOTES

A ALL DIMENSIONS ARE MEASURED TO THE FACE OF WOOD STUD UNLESS NOTED OTHERWISE.
C INSTALL TREATED WOOD BLOCKING IN WALLS AS REQUIRED TO SECURE ALL EQUIPMENT, ACCESSORIES, HANDRAILS, CASEWORK, ETC. COORDINATE THIS WORK WITH ALL APPROPRIATE CONTRACTORS, SUPPLIERS AND MANUFACTURERS RECOMMENDATIONS.
E REFERENCE A0.1 FOR WALL TO DECK TERMINATION DETAILS.
F HINGE SIDE OF DOOR JAMB AT INTERSECTING WALLS TO BE LOCATED 4" FROM ADJACENT WALL UNLESS NOTED OTHERWISE - REFERENCE FLOOR PLANS.
G IF WALL TYPE IS NOT IDENTIFIED, WALL IS TO RUN TO BOTTOM OF WOOD TRUSS.

FLOOR PLAN SYMBOLS LEGEND

XXXA — DOOR DESIGNATION - REFERENCE DOOR/OPENING SCHEDULE.
FE-_ — FIRE EXTINGUISHER DESIGNATION - REFERENCE SPECIFICATIONS
A101 — ROOM DESIGNATION - REFERENCE ROOM INDEX.
X — CURTAIN WALL/STOREFRONT/WINDOW TYPE DESIGNATION
X — STRUCTURAL GRID - REFERENCE STRUCTURAL DRAWINGS.
DIVISIONAL KEYNOTE DESIGNATION - REFERENCE KEYNOTE SCHEDULE AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
KEYNOTE DESIGNATION
SPECIFICATION SECTION
CALLOUT — DETAIL NUMBER / SHEET NUMBER
EXTERIOR ELEVATION — DETAIL NUMBER / SHEET NUMBER
INTERIOR ELEVATION — DETAIL NUMBER / SHEET NUMBER
SECTION — DETAIL NUMBER / SHEET NUMBER
LEVEL ELEVATION — LEVEL LINE

FIRST FLOOR PLAN ROOM INDEX - OVERALL

ROOM NUMBER	ROOM NAME	AREA	OCCUPANCY
A101	STORAGE ROOM	394 SF	1
A102	WOMEN'S RESTROOM	431 SF	0
A103	FAMILY RESTROOM	72 SF	0
A104	MEN'S RESTROOM	297 SF	0
A105	MECHANICAL ROOM	83 SF	0
A106	STORAGE ROOM	67 SF	0
A107	JANITOR CLOSET	60 SF	0
A108	CONCESSION STAND	467 SF	5

#	KEYNOTE DESCRIPTION
05 12 13.A	ARCHITECTURALLY EXPOSED STRUCTURAL STEEL - PAINT - REFERENCE STRUCTURAL DRAWINGS.
07 71 23.B	PREFINISHED METAL DOWNSPOUT
07 71 23.D1	PVC DOWNSPOUT BOOT - COORDINATE WITH SITE CONTRACTOR
08 31 00.A	ACCESS DOOR - MOUNT BOTTOM AT 40" AFF
09 65 13.A	BASE AS SCHEDULED - REFERENCE FINISH MATERIAL SCHEDULE.
10 21 13.19.A	PLASTIC TOILET COMPARTMENT
10 21 13.19.B	PLASTIC URINAL SCREEN
10 41 16.A	KNOX BOX - TOP TO BE MOUNTED AT 52" AFF
11 30 33.A	RETRACTABLE STAIR - COORDINATE WITH TRUSS MANUFACTURER AND CASEWORK LOCATION
12 35 50.13.I1	PLASTIC LAMINATE FINISH TO BE LT1 - REFERENCE FINISH MATERIAL SCHEDULE.
12 35 50.13.I2	PLASTIC LAMINATE FINISH TO BE LT2 - REFERENCE FINISH MATERIAL SCHEDULE.
12 36 00.A1	PLASTIC LAMINATE COUNTERTOP
12 36 00.A6	STAINLESS STEEL COUNTERTOP
12 36 00.B1	4" HIGH BACKSPLASH - SAME MATERIAL AS COUNTERTOP AND HEIGHT AS LABELED UNLESS NOTED OTHERWISE
13 34 41.A2	EXPOSED - HSS COLUMN - PAINTED - PROVIDED BY PAVILION MANUFACTURER
22 40 00.B	DRINKING WATER COOLER - REFERENCE PLUMBING DRAWINGS - REFERENCE A0.2 FOR MOUNTING HEIGHTS.
22 40 00.D	FLOOR SERVICE SINK - REFERENCE PLUMBING DRAWINGS.
26 05 01	ELECTRICAL PANEL - REFERENCE ELECTRICAL DRAWINGS

EQUIPMENT GENERAL NOTES

A FOR ALL SINKS LABELED "ADA" REFERENCE SHEET A0.1.
B RESILIENT BASE ALONG ALL CABINET BASE FRONTS IS TO BE PROVIDED BY SPECIFICATION SECTION 09 65 13.
C ALL OPENINGS IN CASEWORK AND COUNTERTOPS TO BE CUT BY CASEWORK CONTRACTOR ONLY.
D REFERENCE FINISH MATERIAL SCHEDULE FOR LAMINATE COLOR SELECTIONS.
E PROVIDE 36" MAXIMUM GROMMET SPACING AT KNEE SPACE - GROMMET LOCATIONS TO BE IDENTIFIED IN SHOP DRAWINGS.

TOILET ACCESSORY SCHEDULE

MARK	DESCRIPTION	NOTES
TA1.2b	GRAB BAR - SURFACE MOUNT - VERTICAL - 18" LENGTH - 39" AFF TO BOTTOM OF THE BAR	1
TA1.5d	GRAB BAR - SURFACE MOUNT - HORIZONTAL - 36" LENGTH - 36" AFF TO TOP OF THE GRIPPING SURFACE	1
TA1.6d	GRAB BAR - SURFACE MOUNT - HORIZONTAL - 42" LENGTH - 36" AFF TO TOP OF THE GRIPPING SURFACE	1
TA2.1	18" X 24" MIRROR - 40" AFF TO BOTTOM EDGE OF MIRROR	1
TA3.2	TOILET PAPER DISPENSER - SURFACE MOUNT - 18" AFF TO BOTTOM	1
TA5.1	SOAP DISPENSER - SURFACE MOUNT - 40" AFF TO OPERATION	1
TA6.1	PAPER TOWEL DISPENSER - SURFACE MOUNT - ROLL TOWELS - 40" AFF TO OPERATION	1
TA8.1	BABY CHANGING STATION - SURFACE MOUNT - 34" AFF TO CHANGING BED	1
TA9.1	SMALL TRASH RECEPTACLE	2

NOTES:
1. CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
2. OWNER FURNISHED, OWNER INSTALLED.

RESTROOM ENLARGEMENT GENERAL NOTES

A TA = TOILET ACCESSORIES.
B REFERENCE SPECIFICATION SECTION 10 28 00 FOR TOILET ACCESSORIES.
D FOR TYPICAL MOUNTING HEIGHTS REFERENCE MOUNTING HEIGHT DETAILS ON SHEET A0.1.
E CONTRACTOR TO COORDINATE THE SIZE(S) OF THE ACCESSORIES SUPPLIED BY THE OWNER PRIOR TO INSTALLATION FOR ACCURATE PLACEMENT LOCATIONS.
F FE/FEC = FIRE EXTINGUISHER AND OR CABINET - REFERENCE SCHEDULES ON FLOOR PLAN SHEETS.

STATE OF OHIO — MATTHEW R. HIBNER — 1416052 — REGISTERED ARCHITECT
MATTHEW R. HIBNER
LICENSE #1416052
EXPIRATION DATE: 12/31/2027

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ARCANUM BOOSTER STADIUM PHASE III IMPROVEMENTS
315 NORTH MAIN STREET, ARCANUM, OHIO 45304

ISSUANCES/REVISIONS	
CONSTRUCTION DOCUMENTS	01/06/2026

PROJECT NUMBER:	DRAWN BY:	CHECKED BY:
23047.03	KMV	CWS

SHEET TITLE:
FIRST FLOOR PLAN

SHEET NUMBER:
A1.1

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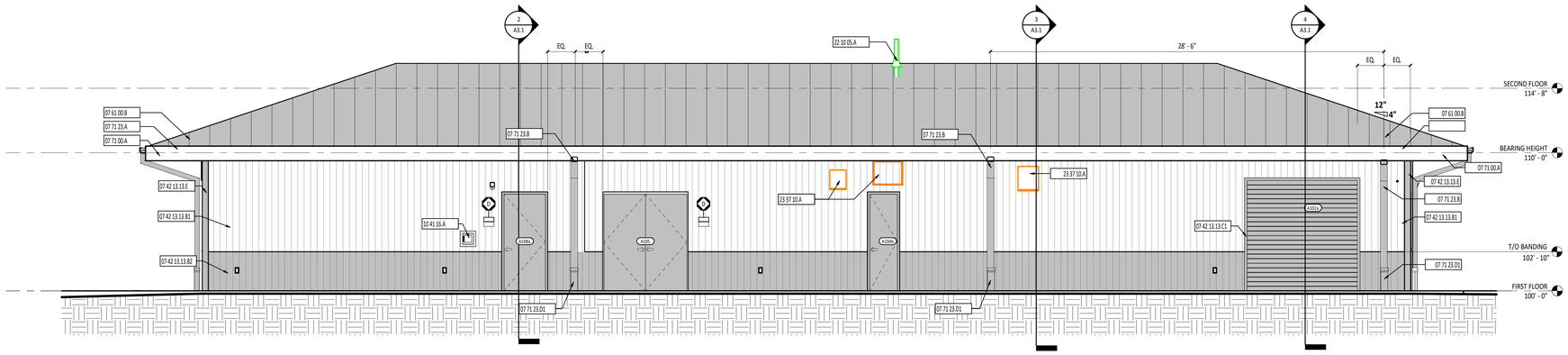
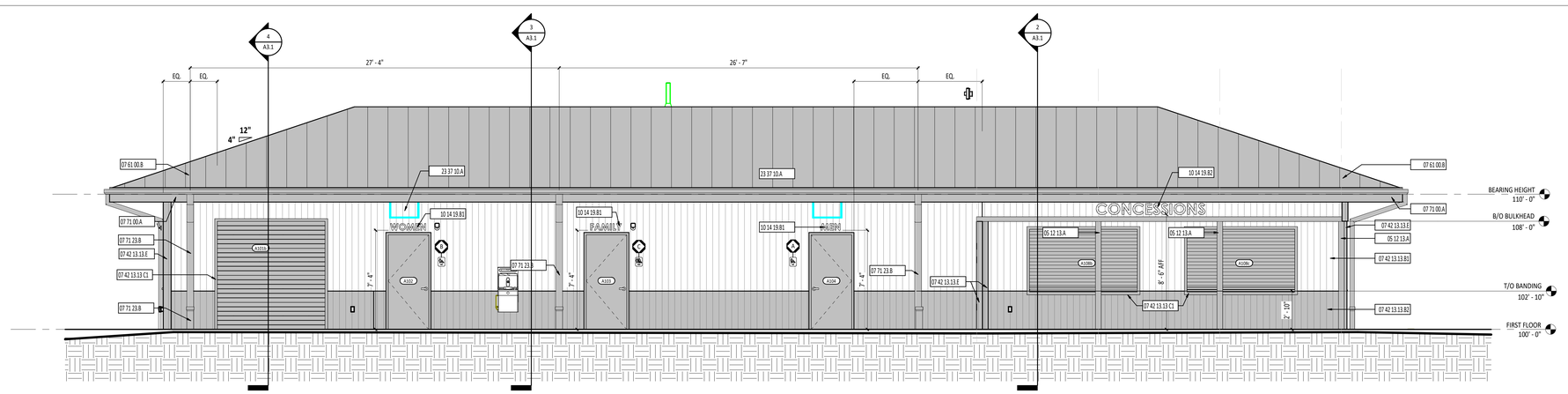
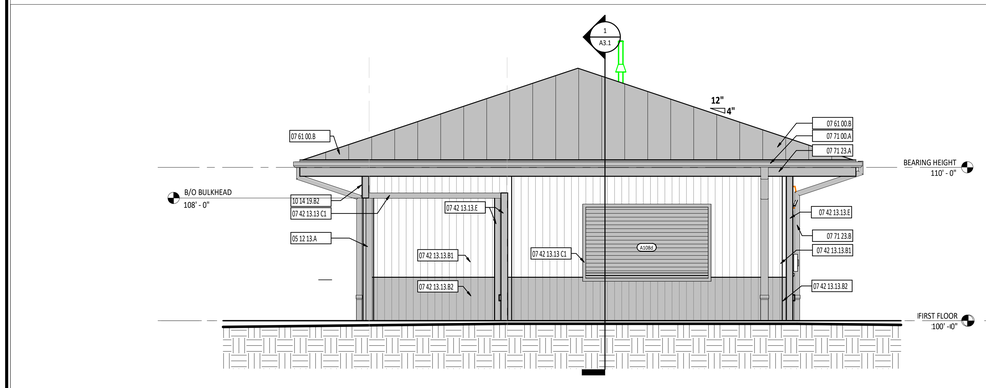


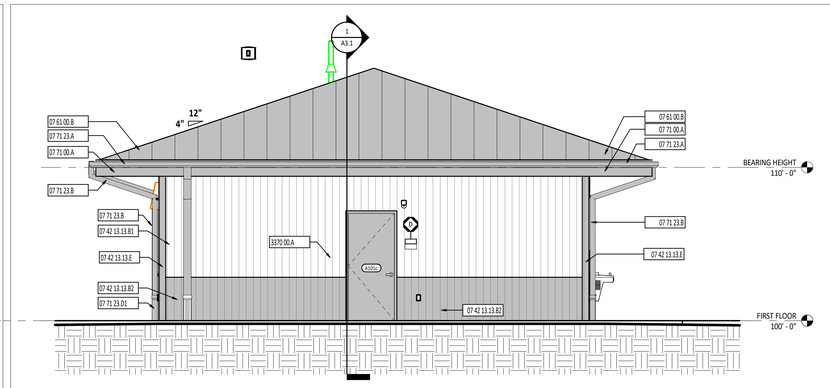
1 A2.1 **NORTH EXTERIOR ELEVATION - CONCESSION**
1/4" = 1'-0"



2 A2.1 **SOUTH ELEVATION - CONCESSION**
1/4" = 1'-0"



3 A2.1 **EAST EXTERIOR ELEVATION - CONCESSION**
1/4" = 1'-0"



4 A2.1 **WEST EXTERIOR ELEVATION - CONCESSION**
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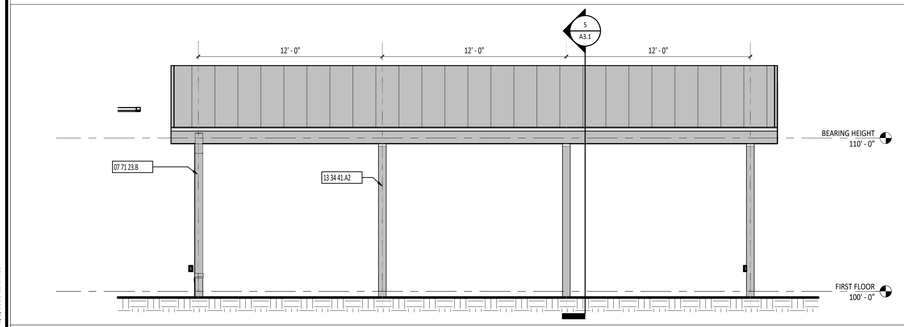
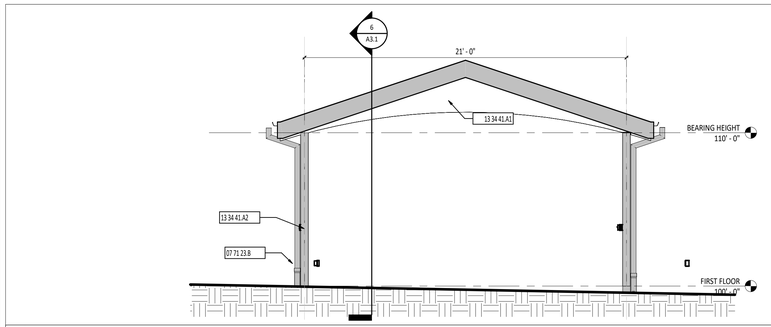


5 A2.1 **EAST AND WEST EXTERIOR ELEVATION - PAVILION**
1/4" = 1'-0"



6 A2.1 **NORTH AND SOUTH EXTERIOR ELEVATION - PAVILION**
1/4" = 1'-0"

EXTERIOR ELEVATION GENERAL NOTES

EXTERIOR ELEVATION SYMBOLS LEGEND

SIGNAGE DESIGNATION - REFERENCE SIGNAGE DETAILS.

#	KEYNOTE DESCRIPTION
05 12 13.A	ARCHITECTURALLY EXPOSED STRUCTURAL STEEL - PAINT - REFERENCE STRUCTURAL DRAWINGS.
07 42 13.13.C1	PREFINISHED METAL TRIM/FLASHING - PROVIDED BY FORMED METAL PANEL MANUFACTURER - COLOR 2
07 42 13.13.B1	PREFINISHED FORMED VERTICAL METAL PANEL - SHIM PANELS PLUMB - COLOR 1
07 42 13.13.B2	PREFINISHED FORMED VERTICAL METAL PANEL - SHIM PANELS PLUMB - COLOR 2
07 42 13.13.E	OUTSIDE CORNER TRIM - PROVIDED BY FORMED METAL PANEL MANUFACTURER - COLOR 2
07 61 00.B	STANDING SEAM METAL ROOFING SYSTEM WITH CODE COMPLIANT ANCHORAGES, TRIM AND FLASHING AS REQUIRED - TURN UP END.
07 71 00.A	TWO-PIECE PREFINISHED FASCIA WITH DRIP EDGE
07 71 23.A	PREFINISHED METAL GUTTER WITH STRAP AND ANCHORAGES
07 71 23.B	PREFINISHED METAL DOWNSPOUT
07 71 23.D1	PVC DOWNSPOUT BOOT - COORDINATE WITH SITE CONTRACTOR
10 14 19.B1	6" HIGH ALUMINUM EXTERIOR BUILDING LETTERING - CENTURY GOTHIC FONT - COLOR TO MATCH EPT5 - REFERENCE FINISH SCHEDULE
10 14 19.B2	10" HIGH ALUMINUM EXTERIOR BUILDING LETTERING - CENTURY GOTHIC FONT - COLOR TO MATCH EPT5 - REFERENCE FINISH SCHEDULE
10 41 16.A	KNOX BOX - TOP TO BE MOUNTED AT 52" AFF
13 34 41.A1	GLUE LAMINATED PITCH AND CAMBER BEAM - DOUGLAS FIR PRESERVATIVE TREATED - PROVIDED BY PAVILION MANUFACTURER
13 34 41.A2	EXPOSED - HSS COLUMN - PAINTED - PROVIDED BY PAVILION MANUFACTURER
22 10 05.A	PLUMBING VENT - REFERENCE PLUMBING DRAWINGS.
23 37 10.A	MECHANICAL LOUVER WITH INSECT SCREEN - REFERENCE MECHANICAL DRAWINGS.
3370 00.A	ELECTRICAL METER

STATE OF OHIO
MATTHEW R. HIBNER
1416052
REGISTERED ARCHITECT

MATTHEW R. HIBNER
LICENSE #1416052
EXPIRATION DATE: 12/31/2027

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ARCANUM BOOSTER STADIUM PHASE III IMPROVEMENTS

NEW BUILDING FOR
310 NORTH MAIN STREET, ARCANUM, OHIO 45304

ISSUANCES/REVISIONS	
CONSTRUCTION DOCUMENTS	01/06/2026

PROJECT NUMBER:	DRAWN BY:	CHECKED BY:
23047.03	KMV	CWS

SHEET TITLE:

BUILDING ELEVATIONS

SHEET NUMBER:

A2.1

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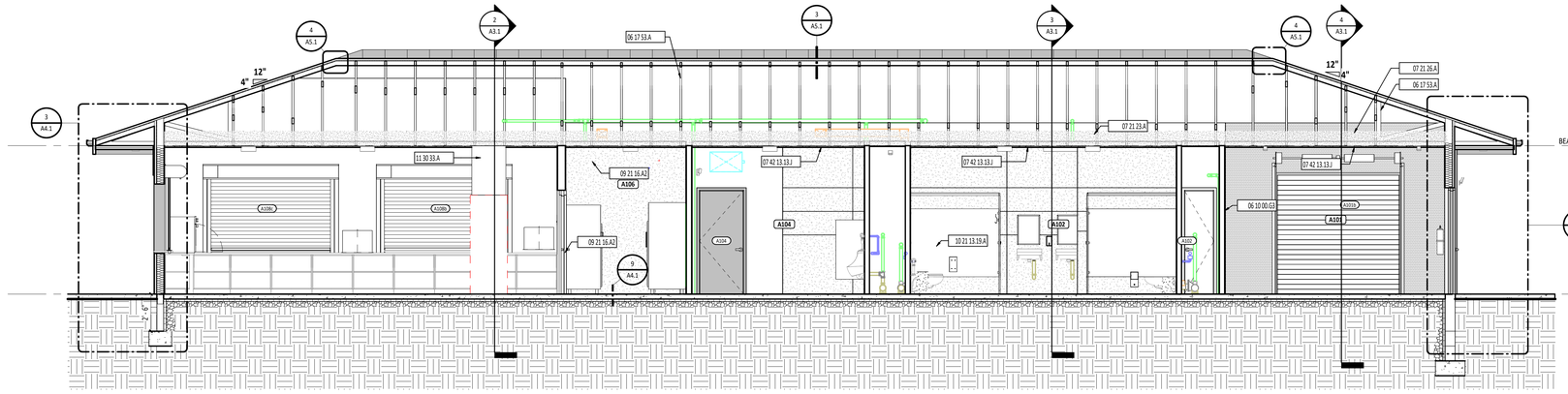
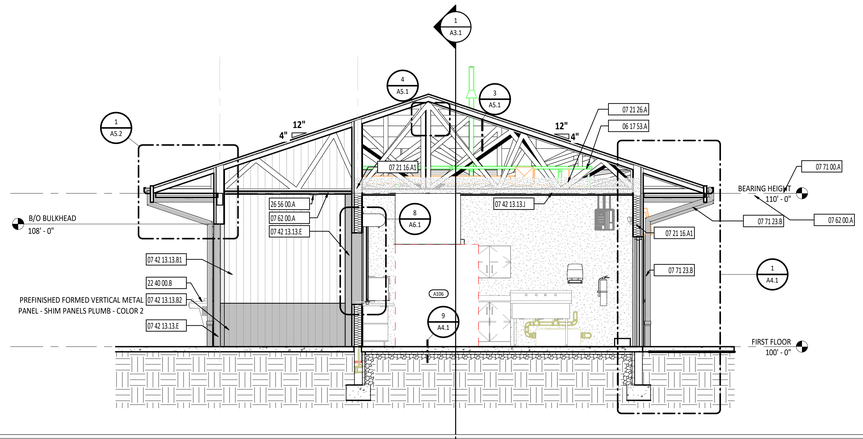
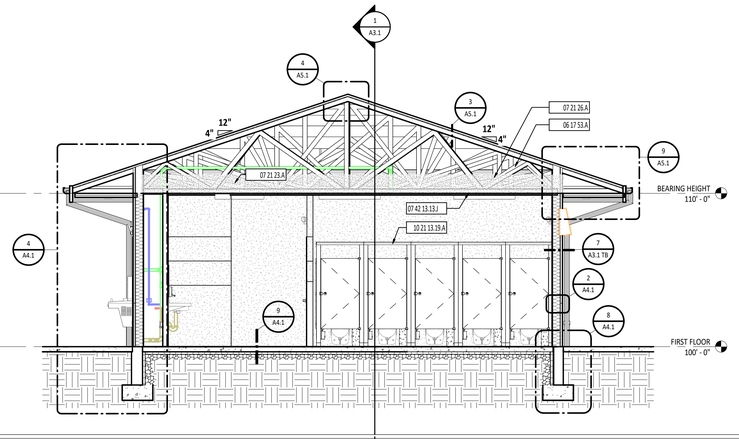


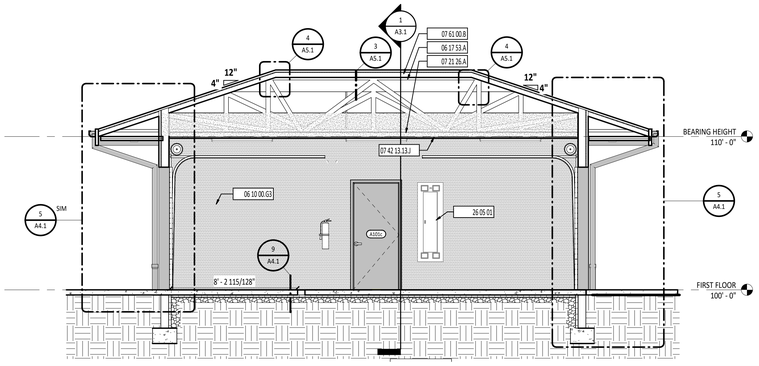
1 A3.1 **BUILDING SECTION**
1/4" = 1'-0"



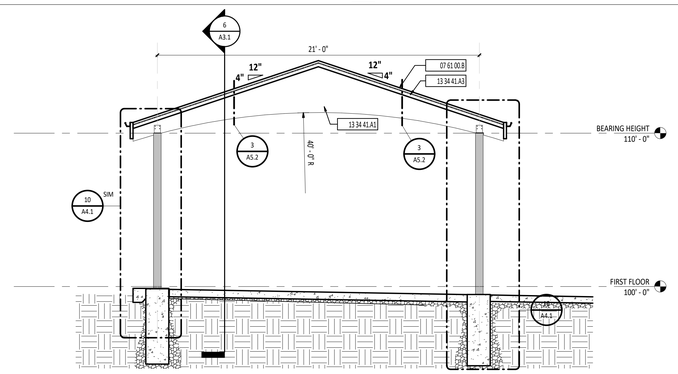
2 A3.1 **BUILDING SECTION**
1/4" = 1'-0"



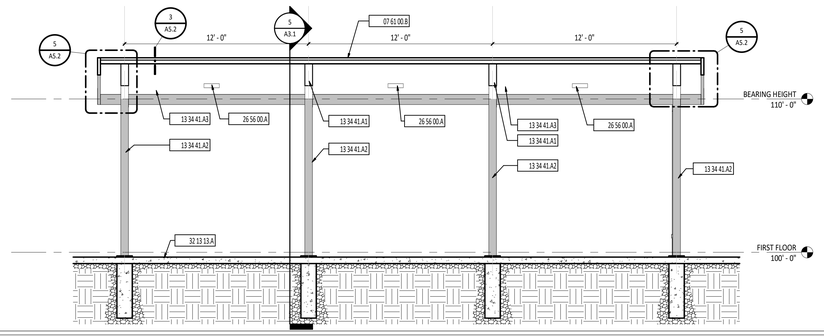
3 A3.1 **BUILDING SECTION**
1/4" = 1'-0"



4 A3.1 **BUILDING SECTION**
1/4" = 1'-0"



5 A3.1 **BUILDING SECTION - PAVILION**
1/4" = 1'-0"



6 A3.1 **BUILDING SECTION - PAVILION**
1/4" = 1'-0"

#	KEYNOTE DESCRIPTION
06 10 00.G3	1/2" PLYWOOD
06 17 53.A	SHOP-FABRICATED WOOD TRUSS - REFERENCE STRUCTURAL DRAWINGS.
07 21 16.A1	THERMAL BATT INSULATION - FULL CAVITY THICKNESS
07 21 23.A	LOOSE-FILL INSULATION
07 21 26.A	BLOWN INSULATION
07 42 13.13.B1	PREFINISHED FORMED VERTICAL METAL PANEL - SHIM PANELS PLUMB - COLOR 1
07 42 13.13.B2	PREFINISHED FORMED VERTICAL METAL PANEL - SHIM PANELS PLUMB - COLOR 2
07 42 13.13.E	OUTSIDE CORNER TRIM - PROVIDED BY FORMED METAL PANEL MANUFACTURER - COLOR 2
07 42 13.13.J	3/4" PERFORATED METAL LINER PANEL APPLIED TO 5/8" GYP. WALL BOARD - GYP. WALL BOARD ATTACHED TO UNDERSIDE OF WOOD TRUSS.
07 61 00.B	STANDING SEAM METAL ROOFING SYSTEM WITH CODE COMPLIANT ANCHORAGES, TRIM AND FLASHING AS REQUIRED - TURN UP END.
07 62 00.A	PREFINISHED METAL SOFFIT SYSTEM WITH SUPPORT STRUCTURE AS REQUIRED
07 71 00.A	TWO-PIECE PREFINISHED FASCIA WITH DRIP EDGE
07 71 23.B	PREFINISHED METAL DOWNSPOUT
09 21 16.A2	5/8" GYPSUM WALLBOARD
10 21 13.19.A	PLASTIC TOILET COMPARTMENT
11 30 33.A	RETRACTABLE STAIR - COORDINATE WITH TRUSS MANUFACTURER AND CASEWORK LOCATION
13 34 41.A1	GLUE LAMINATED PITCH AND CAMBER BEAM - DOUGLAS FIR PRESERVATIVE TREATED - PROVIDED BY PAVILION MANUFACTURER
13 34 41.A2	EXPOSED - HSS COLUMN - PAINTED - PROVIDED BY PAVILION MANUFACTURER
13 34 41.A3	3X6 TONGUE AND GROOVE ROOF DECKING - DOUGLAS FIR - PRESERVATIVE TREATED - PROVIDED BY PAVILION MANUFACTURER
22 40 00.B	DRINKING WATER COOLER - REFERENCE PLUMBING DRAWINGS - REFERENCE A0.2 FOR MOUNTING HEIGHTS.
26 05 01	ELECTRICAL PANEL - REFERENCE ELECTRICAL DRAWINGS
26 56 00.A	EXTERIOR LIGHT - REFERENCE ELECTRICAL DRAWINGS.
32 13 13.A	EXTERIOR CONCRETE SLAB-ON-GRADE - REFERENCE CIVIL/SITE DRAWINGS.

BUILDING SECTION SYMBOLS LEGEND

- XXXX — DOOR DESIGNATION - REFERENCE DOOR/OPENING SCHEDULE.
- A101 — ROOM DESIGNATION - REFERENCE ROOM INDEX.
- XS — CURTAIN WALL/STOREFRONT/WINDOW TYPE DESIGNATION
- LEVEL ELEVATION — LEVEL LINE
- X — STRUCTURAL GRID - REFERENCE STRUCTURAL DRAWINGS.
- XX XX XX.XX.XX — DIVISIONAL KEYNOTE DESIGNATION - REFERENCE KEYNOTE SCHEDULE AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
  - KEYNOTE DESIGNATION
  - SPECIFICATION SECTION
- AREA OF DETAIL — X / XX.X — SIM — CALLOUT
  - DETAIL NUMBER
  - SHEET NUMBER
- X / XX.X — SIM — SECTION
  - DETAIL NUMBER
  - SHEET NUMBER

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CONSTRUCTION DOCUMENTS	01/06/2026

PROJECT NUMBER:	DRAWN BY:	CHECKED BY:
23047.03	KMV	CWS

SHEET TITLE:
BUILDING SECTIONS AND DETAILS

SHEET NUMBER:
A3.1

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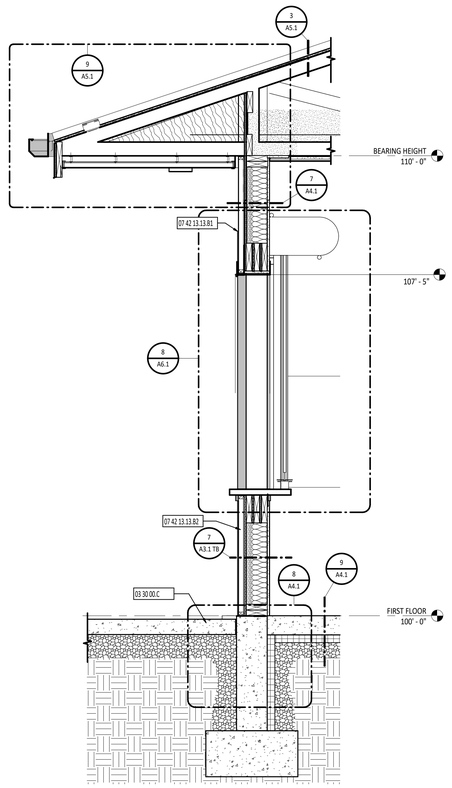
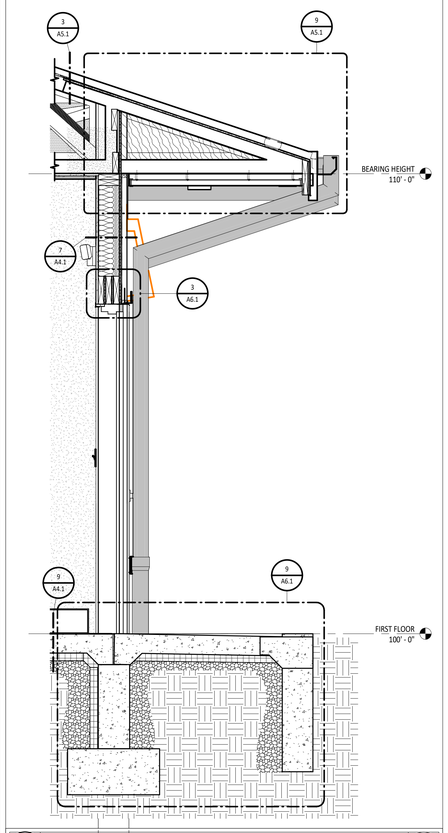
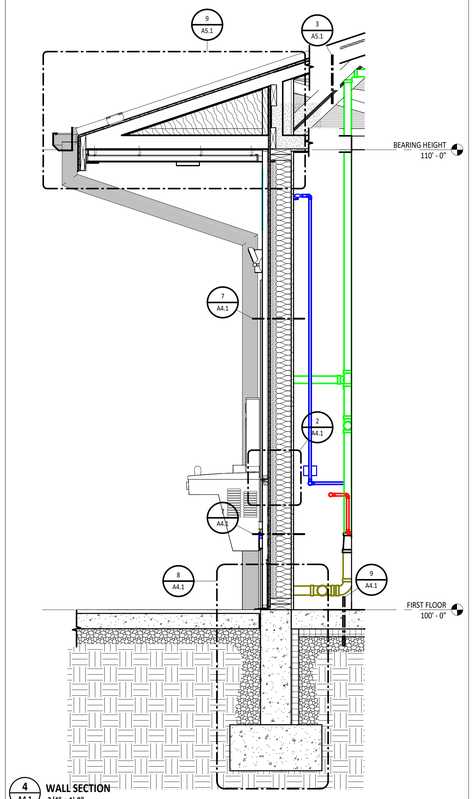


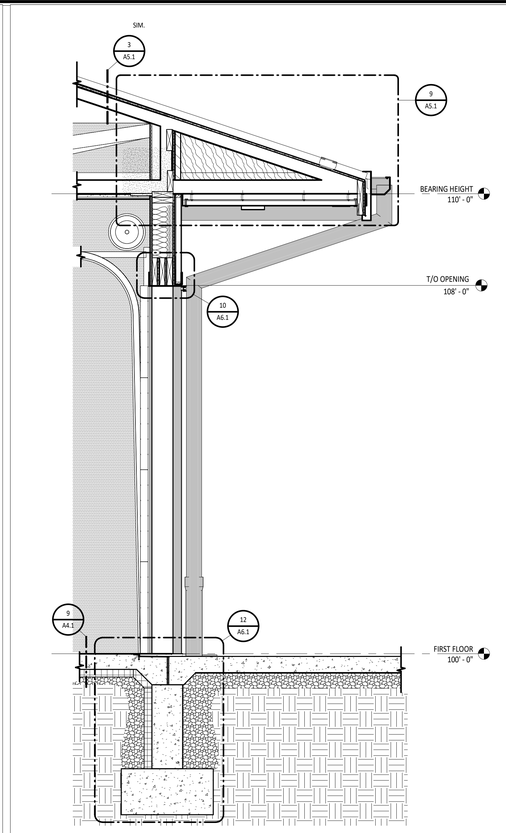
3 WALL SECTION A4.1
3/4" = 1'-0"



1 WALL SECTION A4.1
3/4" = 1'-0"



4 WALL SECTION A4.1
3/4" = 1'-0"



5 WALL SECTION A4.1
3/4" = 1'-0"

#	KEYNOTE DESCRIPTION
03 15 21.A	VAPOR BARRIER
03 30 00.A	CONCRETE FOOTING - REFERENCE STRUCTURAL DRAWINGS.
03 30 00.C	CONCRETE SLAB - REFERENCE STRUCTURAL DRAWINGS.
03 30 00.C2	5" CONCRETE SLAB - REFERENCE STRUCTURAL DRAWINGS.
03 30 00.J	ROUND CONCRETE PIER FOUNDATION WITH STRUCTURAL STEEL COLUMN EMBEDDED - COORDINATE DEPTH AND REINFORCEMENT WITH PAVILION MANUFACTURER
04 05 23.C	CONTINUOUS TERMINATION BAR AND SEALANT
04 05 23.E	THROUGH WALL FLASHING WITH STAINLESS STEEL DRIP EDGE
06 10 00.G7	7/16" EXTERIOR SHEATHING - REFERENCE STRUCTURAL
06 10 00.K2	2X6 WOOD FRAMING AT 16" OC
07 21 13.A	2" x 24" PERIMETER AND UNDERSLAB BOARD INSULATION
07 21 16.A1	THERMAL BATT INSULATION - FULL CAVITY THICKNESS
07 21 29.B	1 1/2" THICK SPRAY APPLIED FOAM INSULATION
07 25 00.A	CONTINUOUS WEATHER BARRIER SYSTEM
07 42 13.13.A	PREFINISHED METAL TRIM/FLASHING - PROVIDED BY FORMED METAL PANEL MANUFACTURER - COLOR TO MATCH ADJACENT PANEL
07 42 13.13.B1	PREFINISHED FORMED VERTICAL METAL PANEL - SHIM PANELS PLUMB - COLOR 1
07 42 13.13.B2	PREFINISHED FORMED VERTICAL METAL PANEL - SHIM PANELS PLUMB - COLOR 2
07 42 13.13.C	PREFINISHED METAL TRIM/FLASHING - PROVIDED BY FORMED METAL PANEL MANUFACTURER - COLOR TO MATCH ADJACENT PANEL
07 92 00.A	BACKER ROD WITH SEALANT
07 92 00.D	ISOLATION JOINT WITH JOINT FILLER AND SEALANT
09 21 16.A2	5/8" GYPSUM WALLBOARD
13 34 41.A2	EXPOSED - HSS COLUMN - PAINTED - PROVIDED BY PAVILION MANUFACTURER
31 23 00.A	COMPACTED GRANULAR FILL
32 13 13.A	EXTERIOR CONCRETE SLAB-ON-GRADE - REFERENCE CIVIL/SITE DRAWINGS.

BUILDING SECTION SYMBOLS LEGEND

- XXXX — DOOR DESIGNATION - REFERENCE DOOR/OPENING SCHEDULE.
- A101 — ROOM DESIGNATION - REFERENCE ROOM INDEX.
- X1 — CURTAIN WALL/STOREFRONT/WINDOW TYPE DESIGNATION
- LEVEL ELEVATION — LEVEL LINE
- X — STRUCTURAL GRID - REFERENCE STRUCTURAL DRAWINGS.
- XX XX XX.XX.XX — DIVISIONAL KEYNOTE DESIGNATION - REFERENCE KEYNOTE SCHEDULE AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
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- AREA OF DETAIL — X / XX.X — SIM — CALLOUT
  - DETAIL NUMBER
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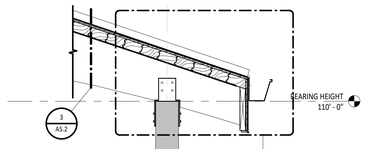
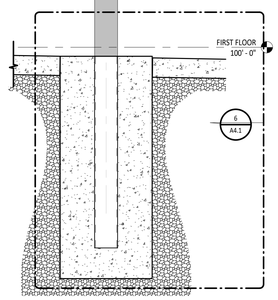
- X / XX.X — SIM — SECTION
  - DETAIL NUMBER
  - SHEET NUMBER

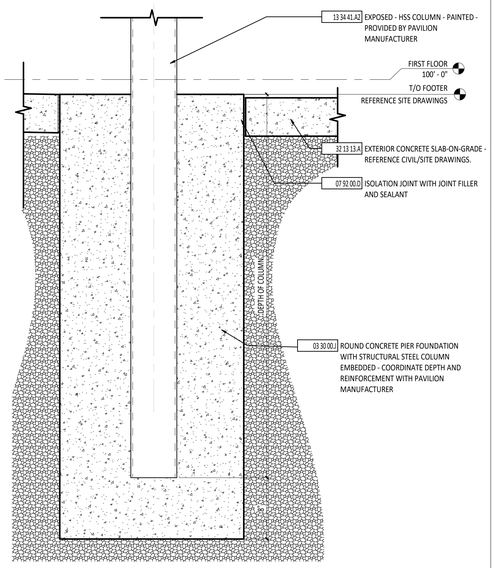
EXTERIOR ELEVATION GENERAL NOTES



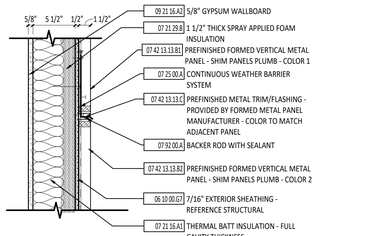


10 WALL SECTION - PAVILION A4.1
3/4" = 1'-0"

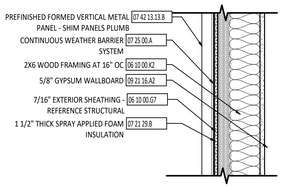
CONCEPTUAL COLUMN FOOTER DETAIL: COORDINATE DETAIL WITH PAVILION STRUCTURE MANUFACTURER AND STRUCTURAL ENGINEER PRIOR TO COMMENCEMENT OF WORK.



6 PAVILION COLUMN FOUNDATION DETAIL A4.1
1 1/2" = 1'-0"



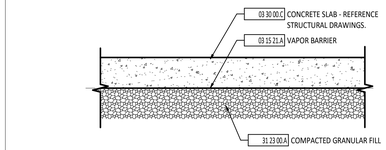
2 TRANSITION DETAIL A4.1
1 1/2" = 1'-0"



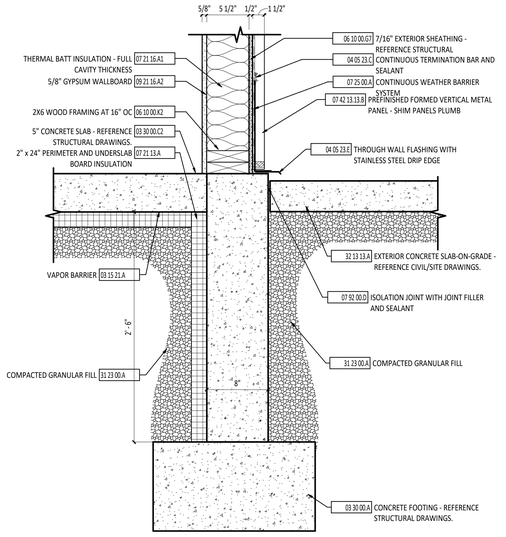
WALL R-VALUE

- INTERIOR AIR FILM	0.68
- GYPSUM WALLBOARD - 5/8"	0.56
- WOOD STUD- 2X6	0.00
- THERMAL BATT INSULATION - 4"	15.00
- SPRAY FOAM INSULATION - 1 1/2"	10.80
- EXTERIOR SHEATHING BOARD - 7/16"	0.51
- CONT. WEATHER BARRIER	0.00
- METAL PANEL SIDING	0.00
- EXTERIOR AIR FILM	0.17
TOTAL R-VALUE	**27.72**

7 WALL ASSEMBLY A4.1
1 1/2" = 1'-0"



9 CONCRETE SLAB ASSEMBLY A4.1
1 1/2" = 1'-0"



8 TYPICAL FOUNDATION DETAIL - SIDEWALK A4.1
1 1/2" = 1'-0"

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STATE OF OHIO
MATTHEW R. HIBNER
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SHEET TITLE:
BUILDING SECTIONS AND DETAILS

SHEET NUMBER:
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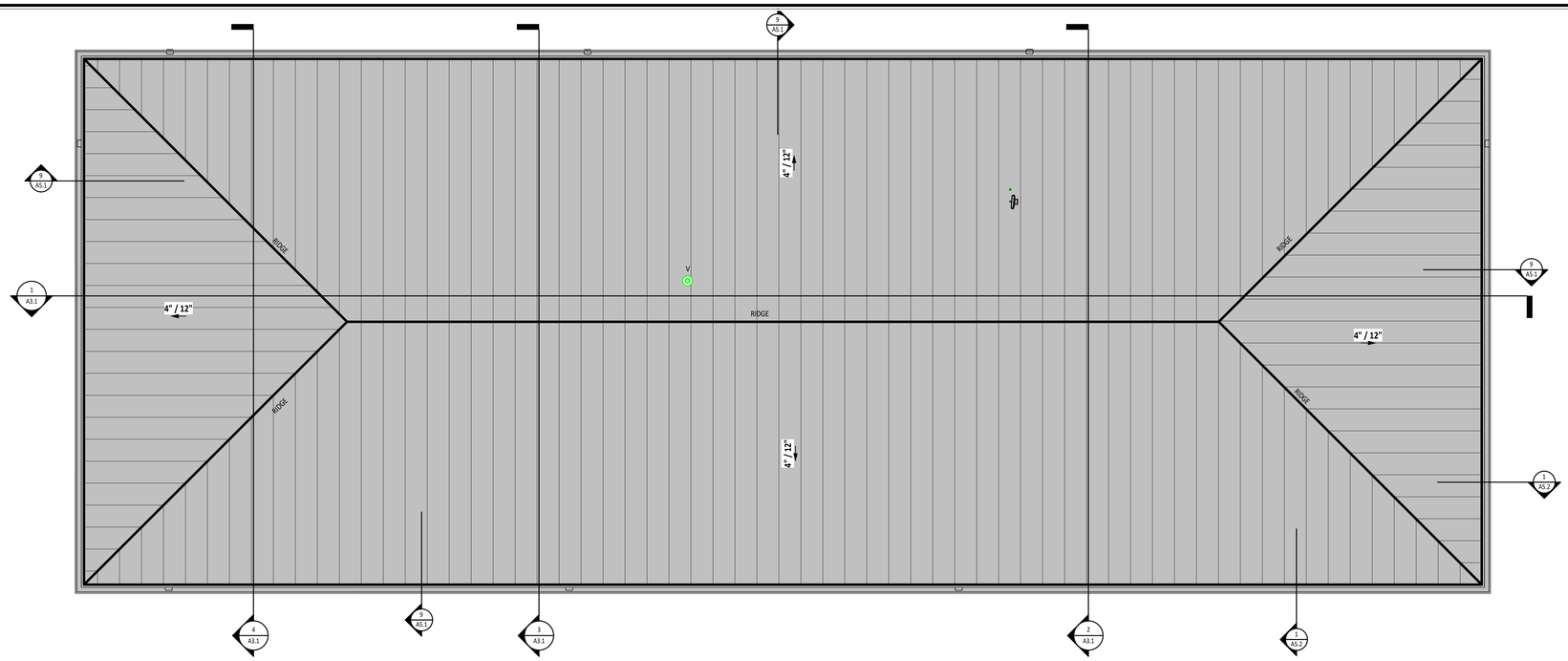

1 A5.1 ROOF PLAN - UNIT A
1/4" = 1'-0"

ROOF PLAN PLAN GENERAL NOTES

A PROVIDE FLASHING IN ACCORDANCE WITH THE SMACNA ARCHITECTURAL SHEET METAL MANUAL LATEST EDITION.
B REFER TO MANUFACTURER FOR ROOF INSTALLATION DETAILS.
C ALL WOOD BLOCKING AT ROOF PENETRATIONS SHALL BE PRESERVATIVE TREATED.
D PROVIDE WELDED CURB FLASHING FOR PENETRATIONS IN METAL ROOF - REFERENCE ROOF DETAILS.
E PROVIDE CRICKETS WITH TAPERED FLASHING AT MECHANICAL OPENINGS.

ROOF PLAN SYMBOLS LEGEND

F FLUE DESIGNATION
V VENT DESIGNATION
DIVISIONAL KEYNOTE DESIGNATION - REFERENCE KEYNOTE SCHEDULE AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
XX XX XX.XX.XX — KEYNOTE DESIGNATION; SPECIFICATION SECTION
AREA OF DETAIL — X / XX.X SIM — CALLOUT: DETAIL NUMBER; SHEET NUMBER
X / XX.X SIM — SECTION: DETAIL NUMBER; SHEET NUMBER

#	KEYNOTE DESCRIPTION
06 10 00.F4	2X10 PRESERVATIVE TREATED WOOD BLOCKING/NAILER
06 10 00.G6	DRAFT STOPPING; MAX 20' - 0" O.C.
06 10 00.G7	7/16" EXTERIOR SHEATHING - REFERENCE STRUCTURAL
06 10 00.I3	1/2" PRESERVATIVE TREATED PLYWOOD
06 10 00.I5	3/4" PRESERVATIVE TREATED PLYWOOD
06 10 00.K2	2X6 WOOD FRAMING AT 16" OC
06 17 53.A	SHOP-FABRICATED WOOD TRUSS - REFERENCE STRUCTURAL DRAWINGS.
07 21 16.A1	THERMAL BATT INSULATION - FULL CAVITY THICKNESS
07 21 26.A	BLOWN INSULATION
07 21 29.A	SPRAY APPLIED FOAM INSULATION
07 21 29.B	1 1/2" THICK SPRAY APPLIED FOAM INSULATION
07 25 00.A	CONTINUOUS WEATHER BARRIER SYSTEM
07 31 13.B1	SYNTHETIC ROOF UNDERLAYMENT
07 42 13.13.B	PREFINISHED FORMED VERTICAL METAL PANEL - SHIM PANELS PLUMB
07 61 00.A	STANDING SEAM METAL ROOFING SYSTEM WITH CODE COMPLIANT ANCHORAGES, TRIM AND FLASHING AS REQUIRED
07 61 00.C	ROOF UNDERLAYMENT
07 61 00.F	PANEL CLIP
07 61 00.G	RIDGE CAP
07 61 00.J	ROOF CRICKET
07 62 00.B	VENTED METAL SOFFIT SYSTEM WITH SUPPORT STRUCTURE AS REQUIRED - PROVIDE VENTED PANEL EVERY 5'-0"
07 62 00.D1	1 5/8" CONTINUOUS C CHANNEL
07 62 00.H	ANCHOR WITH MASTIC
07 62 00.I	18 GA. BACKER PLATE
07 62 00.J	Z CLOSURE
07 71 00.A	TWO-PIECE PREFINISHED FASCIA WITH DRIP EDGE
07 71 00.C	TRIM / DRIP EDGE
07 71 23.A	PREFINISHED METAL GUTTER WITH STRAP AND ANCHORAGES
07 71 23.B	PREFINISHED METAL DOWNSPOUT
07 71 23.B1	4" x 6" PREFINISHED METAL DOWNSPOUT
07 71 23.D1	PVC DOWNSPOUT BOOT - COORDINATE WITH SITE CONTRACTOR
07 92 00.B	SEALANT
09 21 16.A2	5/8" GYPSUM WALLBOARD
22 10 05.A	PLUMBING VENT - REFERENCE PLUMBING DRAWINGS.
26 56 00.A	EXTERIOR LIGHT - REFERENCE ELECTRICAL DRAWINGS.
31 22 00.A	FINISHED GRADE - REFERENCE CIVIL/LANDSCAPE DRAWINGS.

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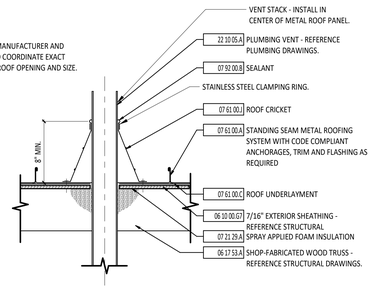
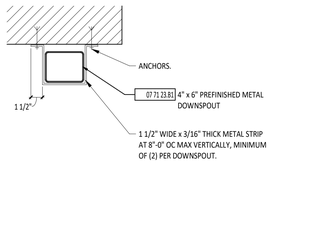
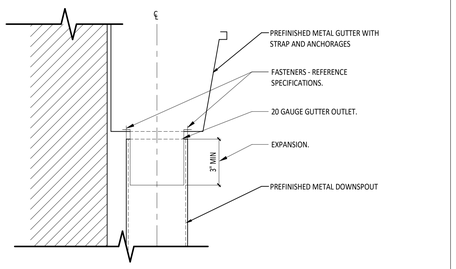
NOTE:
METAL ROOF MANUFACTURER AND DIVISION 22 TO COORDINATE EXACT LOCATION OF ROOF OPENING AND SIZE.



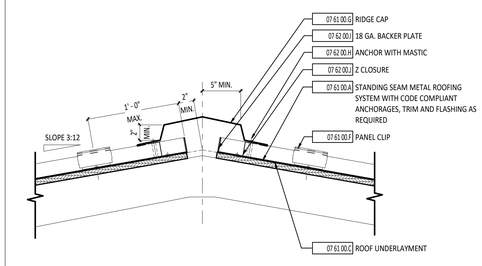
5 A5.1 VENT STACK PENETRATION DETAIL
1 1/2" = 1'-0"



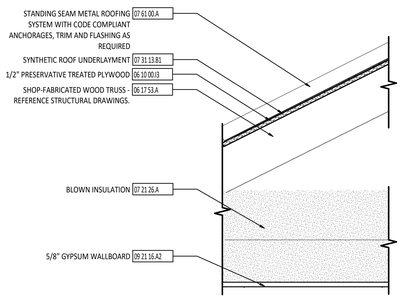
7 A5.1 DOWNSPOUT BRACKET DETAIL
1 1/2" = 1'-0"



8 A5.1 GUTTER/DOWNSPOUT CONNECTION DETAIL
3" = 1'-0"



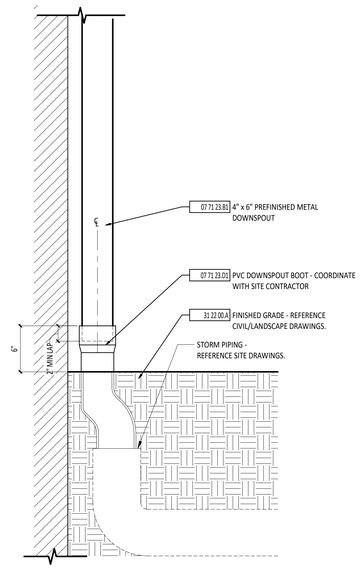
4 A5.1 ROOF RIDGE
1 1/2" = 1'-0"



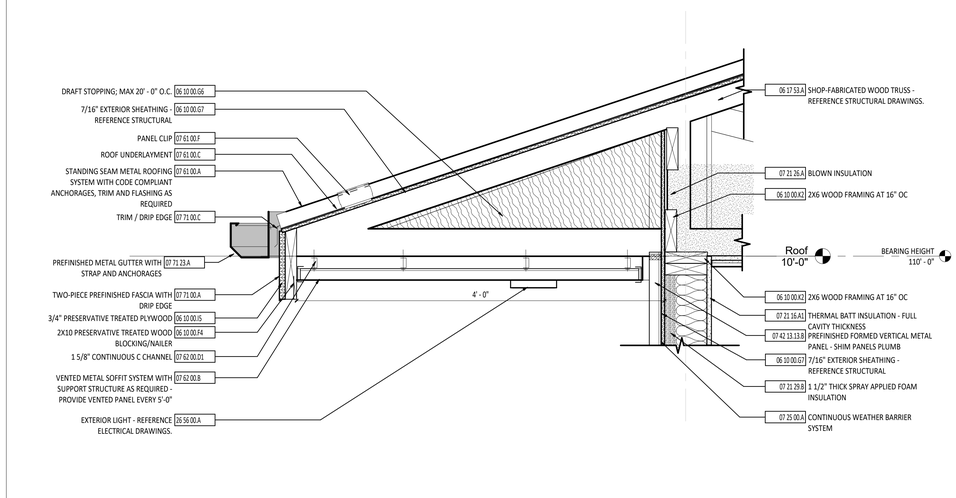
ROOF R-VALUE:

OUTSIDE AIR FILM	0.17
STANDING SEAM METAL ROOF	0.00
ROOF UNDERLAYMENT	0.00
VAPOR BARRIER	0.00
PLYWOOD SHEATHING (7/16")	0. 63
WOOD RAFTERS (2X6)	0.00
BLOWN IN INSULATION (5 1/2")	MIN. 38.00
GYPSUM WALL BOARD (5/8")	0.56
INSIDE AIR FILM	0.61
TOTAL R-VALUE:	**39.97**

3 A5.1 ROOF ASSEMBLY
1 1/2" = 1'-0"



6 A5.1 DOWNSPOUT BOOT DETAIL
1 1/2" = 1'-0"



9 A5.1 EAVE DETAIL
1 1/2" = 1'-0"

NEW BUILDING FOR
ARCANUM BOOSTER STADIUM PHASE III IMPROVEMENTS
310 NORTH MAIN STREET, ARCANUM, OHIO 45304

ISSUANCES/REVISIONS

CONSTRUCTION DOCUMENTS	01/06/2026

PROJECT NUMBER:	DRAWN BY:	CHECKED BY:
23047.03	KMV	CWS

SHEET TITLE:
ROOF PLAN AND DETAILS

SHEET NUMBER:
A5.1

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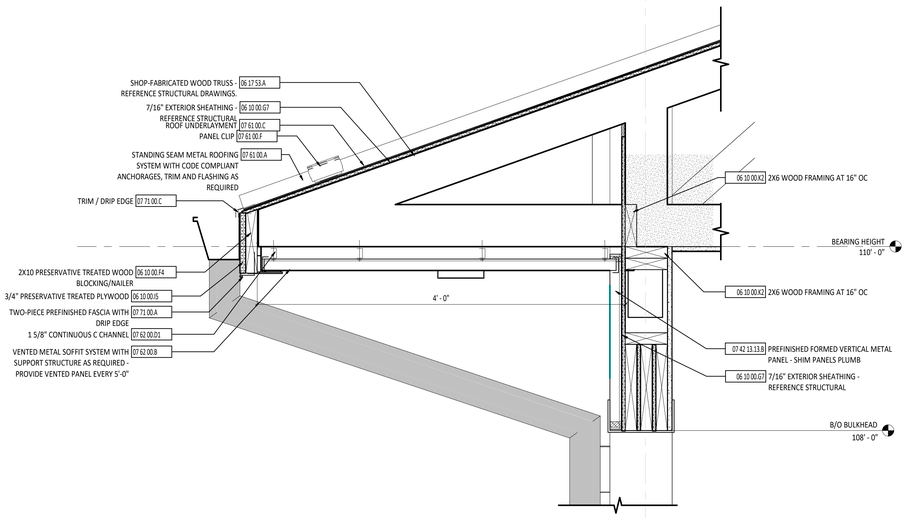
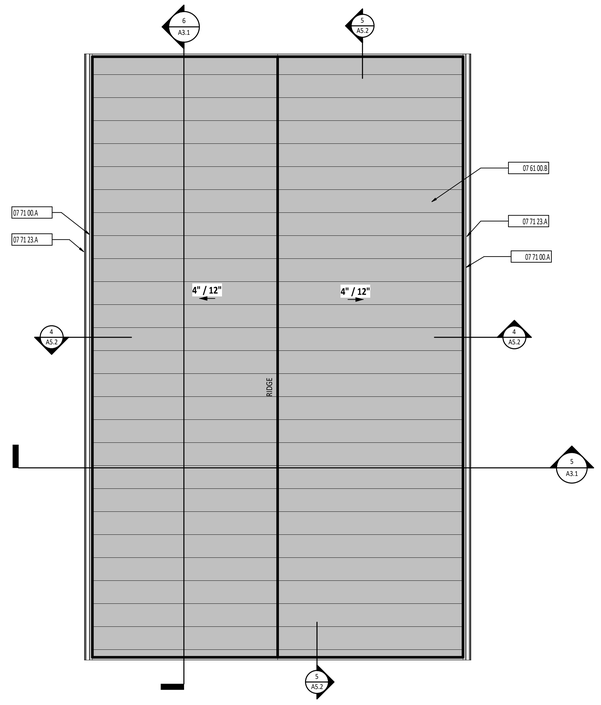


1 / A5.2 **EAVE DETAIL WITH SOFFIT**
1 1/2" = 1'-0"



2 / A5.2 **ROOF PLAN - PAVILION**
1/4" = 1'-0"

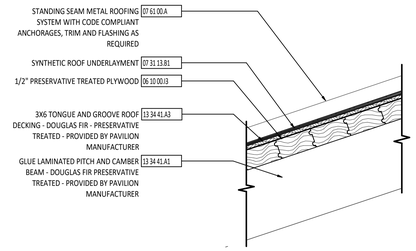
ROOF PLAN PLAN GENERAL NOTES

A PROVIDE FLASHING IN ACCORDANCE WITH THE SMACNA ARCHITECTURAL SHEET METAL MANUAL LATEST EDITION.
B REFER TO MANUFACTURER FOR ROOF INSTALLATION DETAILS.
C ALL WOOD BLOCKING AT ROOF PENETRATIONS SHALL BE PRESERVATIVE TREATED.
D PROVIDE WELDED CURB FLASHING FOR PENETRATIONS IN METAL ROOF - REFERENCE ROOF DETAILS.
E PROVIDE CRICKETS WITH TAPERED FLASHING AT MECHANICAL OPENINGS.

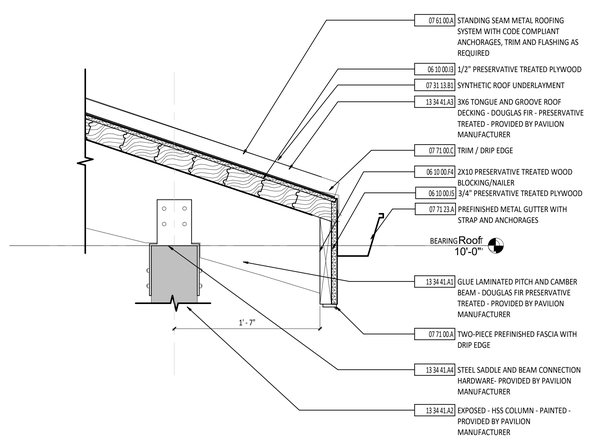
ROOF PLAN SYMBOLS LEGEND

F FLUE DESIGNATION
V VENT DESIGNATION
DIVISIONAL KEYNOTE DESIGNATION - REFERENCE KEYNOTE SCHEDULE AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
XX XX XX.XX.XX
KEYNOTE DESIGNATION
SPECIFICATION SECTION
AREA OF DETAIL
X SIM
XX.X
CALLOUT
DETAIL NUMBER
SHEET NUMBER
X
XX.X
SECTION
DETAIL NUMBER
SHEET NUMBER

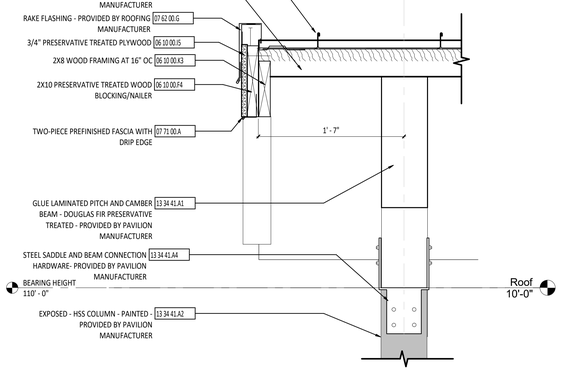
#	KEYNOTE DESCRIPTION
06 10 00.F4	2X10 PRESERVATIVE TREATED WOOD BLOCKING/NAILER
06 10 00.G7	7/16" EXTERIOR SHEATHING - REFERENCE STRUCTURAL
06 10 00.I3	1/2" PRESERVATIVE TREATED PLYWOOD
06 10 00.I5	3/4" PRESERVATIVE TREATED PLYWOOD
06 10 00.K2	2X6 WOOD FRAMING AT 16" OC
06 10 00.K3	2X8 WOOD FRAMING AT 16" OC
06 17 53.A	SHOP-FABRICATED WOOD TRUSS - REFERENCE STRUCTURAL DRAWINGS.
07 31 13.B1	SYNTHETIC ROOF UNDERLAYMENT
07 42 13.13.B	PREFINISHED FORMED VERTICAL METAL PANEL - SHIM PANELS PLUMB
07 61 00.A	STANDING SEAM METAL ROOFING SYSTEM WITH CODE COMPLIANT ANCHORAGES, TRIM AND FLASHING AS REQUIRED
07 61 00.B	STANDING SEAM METAL ROOFING SYSTEM WITH CODE COMPLIANT ANCHORAGES, TRIM AND FLASHING AS REQUIRED - TURN UP END.
07 61 00.C	ROOF UNDERLAYMENT
07 61 00.F	PANEL CLIP
07 62 00.B	VENTED METAL SOFFIT SYSTEM WITH SUPPORT STRUCTURE AS REQUIRED - PROVIDE VENTED PANEL EVERY 5'-0"
07 62 00.D1	1 5/8" CONTINUOUS C CHANNEL
07 62 00.G	RAKE FLASHING - PROVIDED BY ROOFING MANUFACTURER
07 71 00.A	TWO-PIECE PREFINISHED FASCIA WITH DRIP EDGE
07 71 00.C	TRIM / DRIP EDGE
07 71 23.A	PREFINISHED METAL GUTTER WITH STRAP AND ANCHORAGES
13 34 41.A1	GLUE LAMINATED PITCH AND CAMBER BEAM - DOUGLAS FIR PRESERVATIVE TREATED - PROVIDED BY PAVILION MANUFACTURER
13 34 41.A2	EXPOSED - HSS COLUMN - PAINTED - PROVIDED BY PAVILION MANUFACTURER
13 34 41.A3	3X6 TONGUE AND GROOVE ROOF DECKING - DOUGLAS FIR - PRESERVATIVE TREATED - PROVIDED BY PAVILION MANUFACTURER
13 34 41.A4	STEEL SADDLE AND BEAM CONNECTION HARDWARE- PROVIDED BY PAVILION MANUFACTURER



3 / A5.2 **ROOF ASSEMBLY - PAVILION**
1 1/2" = 1'-0"



4 / A5.2 **EAVE DETAIL - PAVILION**
1 1/2" = 1'-0"



5 / A5.2 **RAKE DETAIL - PAVILION**
1 1/2" = 1'-0"

STATE OF OHIO
MATTHEW R. HIBNER
1416052
REGISTERED ARCHITECT
MATTHEW R. HIBNER
LICENSE #1416052
EXPIRATION DATE: 12/31/2027

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SHEET TITLE:
ROOF PLAN AND DETAILS

SHEET NUMBER:
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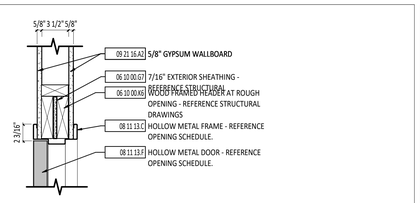
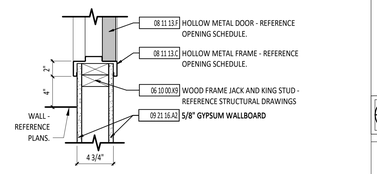
DOOR/OPENING SCHEDULE

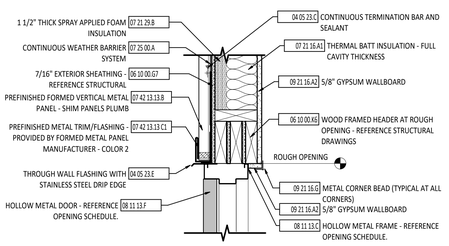
NUMBER	DOOR SIZE	DOOR THK	DOOR MATL	DOOR TYPE	DOOR GLASS	FRAME DEPTH	FRAME MATL	FRAME TYPE	FRAME GLASS	DETAIL NUMBER HEAD	DETAIL NUMBER JAMB	DETAIL NUMBER SILL	HARDWARE SET	ROOM KEY SIDE	FUNCTION	LABEL (MIN)	NOTES
A101a	8'-0" x 8'-0"	2"	STL	OHD	-	0"	-	-	-	10/A6.1	11/A6.1	12/A6.1	9	A101	Exterior		
A101b	8'-0" x 8'-0"	2"	STL	OHD	-	0"	-	-	-	10/A6.1	11/A6.1	12/A6.1	9	A101	Exterior		
A101c	3'-0" x 7'-0"	1 3/4"	FRP	F	-	5 3/4"	HM	1	-	3/A6.1	5/A6.1	9/A6.1	2	EXT.	Exterior	-	3
A102	3'-0" x 7'-0"	1 3/4"	FRP	F	-	5 3/4"	HM	1	-	3/A6.1	5/A6.1	9/A6.1	6	EXT.	Exterior	-	3
A102b	2'-0" x 7'-0"	1 3/4"	HM	F	-	5 3/4"	HM	1	-	4/A6.1	6/A6.1	-	7	A102	Interior	-	
A103	3'-0" x 7'-0"	1 3/4"	FRP	F	-	5 3/4"	HM	1	-	3/A6.1	5/A6.1	9/A6.1	5	EXT.	Exterior	-	3
A104	3'-0" x 7'-0"	1 3/4"	FRP	F	-	5 3/4"	HM	1	-	3/A6.1	5/A6.1	9/A6.1	6	EXT.	Exterior	-	3
A104b	2'-0" x 7'-0"	1 3/4"	FRP	F	-	5 3/4"	HM	1	-	3/A6.1	5/A6.1	9/A6.1	1	EXT.	Exterior	-	
A105	(2) 3'-6" x 7'-0"	1 3/4"	FRP	F	-	5 3/4"	HM	2	-	3/A6.1	5/A6.1	9/A6.1	4	EXT.	Exterior	-	3
A106	3'-0" x 7'-0"	1 3/4"	HM	F	-	5 3/4"	HM	1	-	4/A6.1	6/A6.1	-	8	A108	Interior	-	
A107	3'-0" x 7'-0"	1 3/4"	HM	F	-	5 3/4"	HM	1	-	4/A6.1	6/A6.1	-	7	A104	Interior	-	
A108a	3'-0" x 7'-0"	1 3/4"	FRP	F	-	5 3/4"	HM	1	-	3/A6.1	5/A6.1	9/A6.1	3	EXT.	Exterior	-	3
A108b	8'-0" x 4'-8"	1 3/4"	AL	CD	-	0"	-	-	-	8/A6.1	7/A6.1	8/A6.1	9	A108	Exterior		
A108c	8'-0" x 4'-8"	1 3/4"	AL	CD	-	0"	-	-	-	8/A6.1	7/A6.1	8/A6.1	9	A108	Exterior		
A108d	8'-0" x 4'-8"	1 3/4"	AL	CD	-	0"	-	-	-	8/A6.1	7/A6.1	8/A6.1	9	A108	Exterior		



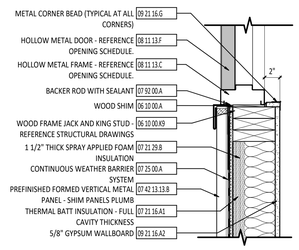
4 / A6.1 HEAD DETAIL - INTERIOR
1 1/2" = 1'-0"



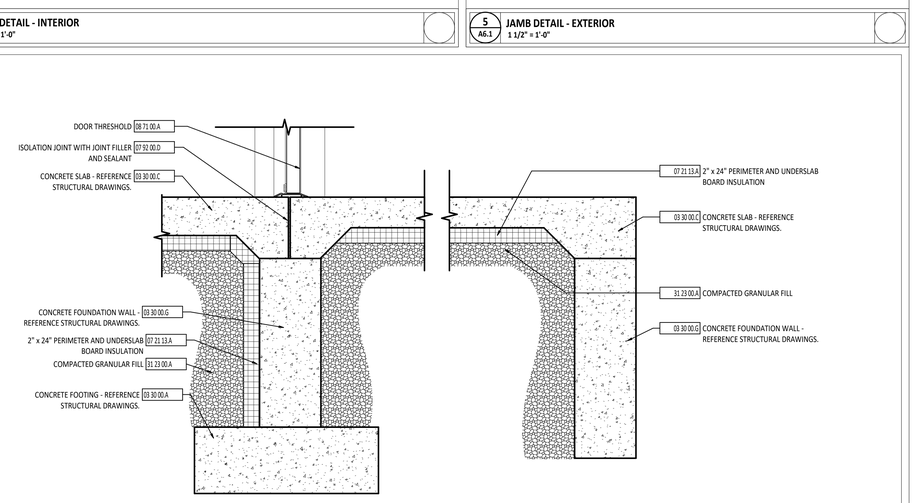
6 / A6.1 JAMB DETAIL - INTERIOR
1 1/2" = 1'-0"



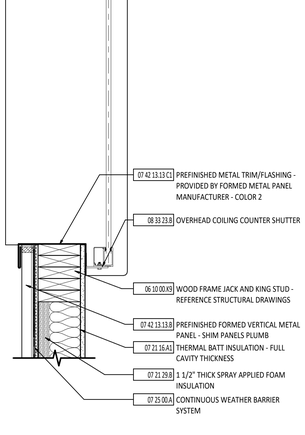
3 / A6.1 HEAD DETAIL - INTERIOR
1 1/2" = 1'-0"



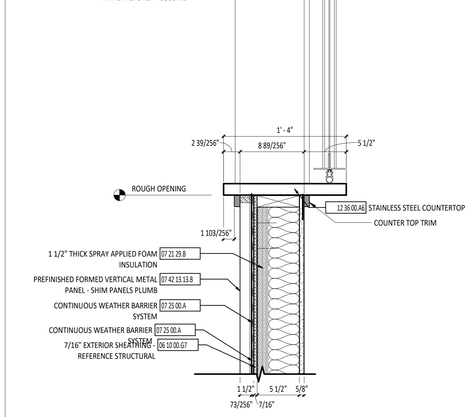
5 / A6.1 JAMB DETAIL - EXTERIOR
1 1/2" = 1'-0"



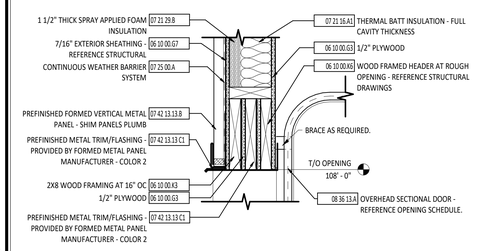
9 / A6.1 SILL DETAIL - EXTERIOR
1 1/2" = 1'-0"



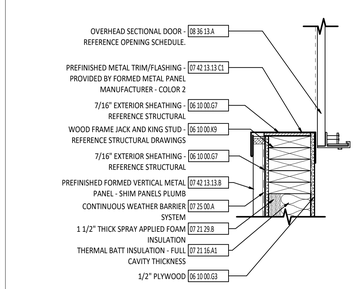
7 / A6.1 JAMB DETAIL - INTERIOR
1 1/2" = 1'-0"



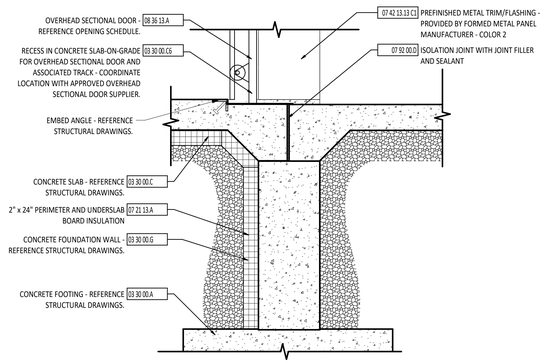
8 / A6.1 HEAD/SILL DETAIL - INTERIOR
1 1/2" = 1'-0"



10 / A6.1 HEAD DETAIL - INTERIOR
1 1/2" = 1'-0"



11 / A6.1 JAMB DETAIL - INTERIOR
1 1/2" = 1'-0"



12 / A6.1 SILL DETAIL - EXTERIOR
1 1/2" = 1'-0"

DOOR/OPENING SCHEDULE ABBREVIATIONS

SYMBOL DESCRIPTION

AL	ALUMINUM
CD	COILING DOOR
F	FLUSH
FRP	FIBER REINFORCED POLYMER
HM	HOLLOW METAL
STL	STEEL

DOOR GENERAL NOTES

A REFERENCE SPECIFICATION SECTION 08 71 00 FOR HARDWARE SETS.

DOOR/OPENING SCHEDULE NOTES

1. DOOR AND FRAME/LOCK BY SECTION ?? ?? ??.
2. HOLLOW METAL FRAMED WINDOW.
3. VINYL NUMBER - COORDINATE WITH OWNER FOR SIZE, NUMBER AND LOCATION.

#	KEYNOTE DESCRIPTION
03 30 00.A	CONCRETE FOOTING - REFERENCE STRUCTURAL DRAWINGS.
03 30 00.C	CONCRETE SLAB - REFERENCE STRUCTURAL DRAWINGS.
03 30 00.C6	RECESS IN CONCRETE SLAB-ON-GRADE FOR OVERHEAD SECTIONAL DOOR AND ASSOCIATED TRACK - COORDINATE LOCATION WITH APPROVED OVERHEAD SECTIONAL DOOR SUPPLIER.
03 30 00.G	CONCRETE FOUNDATION WALL - REFERENCE STRUCTURAL DRAWINGS.
04 05 23.C	CONTINUOUS TERMINATION BAR AND SEALANT
04 05 23.E	THROUGH WALL FLASHING WITH STAINLESS STEEL DRIP EDGE
06 10 00.A	WOOD SHIM
06 10 00.G3	1/2" PLYWOOD
06 10 00.G7	7/16" EXTERIOR SHEATHING - REFERENCE STRUCTURAL
06 10 00.K3	2X8 WOOD FRAMING AT 16" OC
06 10 00.K6	WOOD FRAMED HEADER AT ROUGH OPENING - REFERENCE STRUCTURAL DRAWINGS
06 10 00.K9	WOOD FRAME JACK AND KING STUD - REFERENCE STRUCTURAL DRAWINGS
07 21 13.A	2" x 24" PERIMETER AND UNDERSLAB BOARD INSULATION
07 21 16.A1	THERMAL BATT INSULATION - FULL CAVITY THICKNESS
07 21 29.B	1 1/2" THICK SPRAY APPLIED FOAM INSULATION
07 25 00.A	CONTINUOUS WEATHER BARRIER SYSTEM
07 42 13.13 C1	PREFINISHED METAL TRIM/FLASHING - PROVIDED BY FORMED METAL PANEL MANUFACTURER - COLOR 2
07 42 13.13.B	PREFINISHED FORMED VERTICAL METAL PANEL - SHIM PANELS PLUMB
07 92 00.A	BACKER ROD WITH SEALANT
07 92 00.D	ISOLATION JOINT WITH JOINT FILLER AND SEALANT
08 11 13.C	HOLLOW METAL FRAME - REFERENCE OPENING SCHEDULE.
08 11 13.F	HOLLOW METAL DOOR - REFERENCE OPENING SCHEDULE.
08 33 23.A	MANUAL INSULATED OVERHEAD COILING DOOR WITH HOUSING
08 33 23.B	OVERHEAD COILING COUNTER SHUTTER
08 36 13.A	OVERHEAD SECTIONAL DOOR - REFERENCE OPENING SCHEDULE.
08 71 00.A	DOOR THRESHOLD
09 21 16.A2	5/8" GYPSUM WALLBOARD
09 21 16.G	METAL CORNER BEAD (TYPICAL AT ALL CORNERS)
12 36 00.A6	STAINLESS STEEL COUNTERTOP
31 23 00.A	COMPACTED GRANULAR FILL

STATE OF OHIO
MATTHEW R. HIBNER
1416052
REGISTERED ARCHITECT

MATTHEW R. HIBNER
LICENSE #1416052
EXPIRATION DATE: 12/31/2027

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SHEET TITLE:
OPENING SCHEDULE AND DETAIL

SHEET NUMBER:
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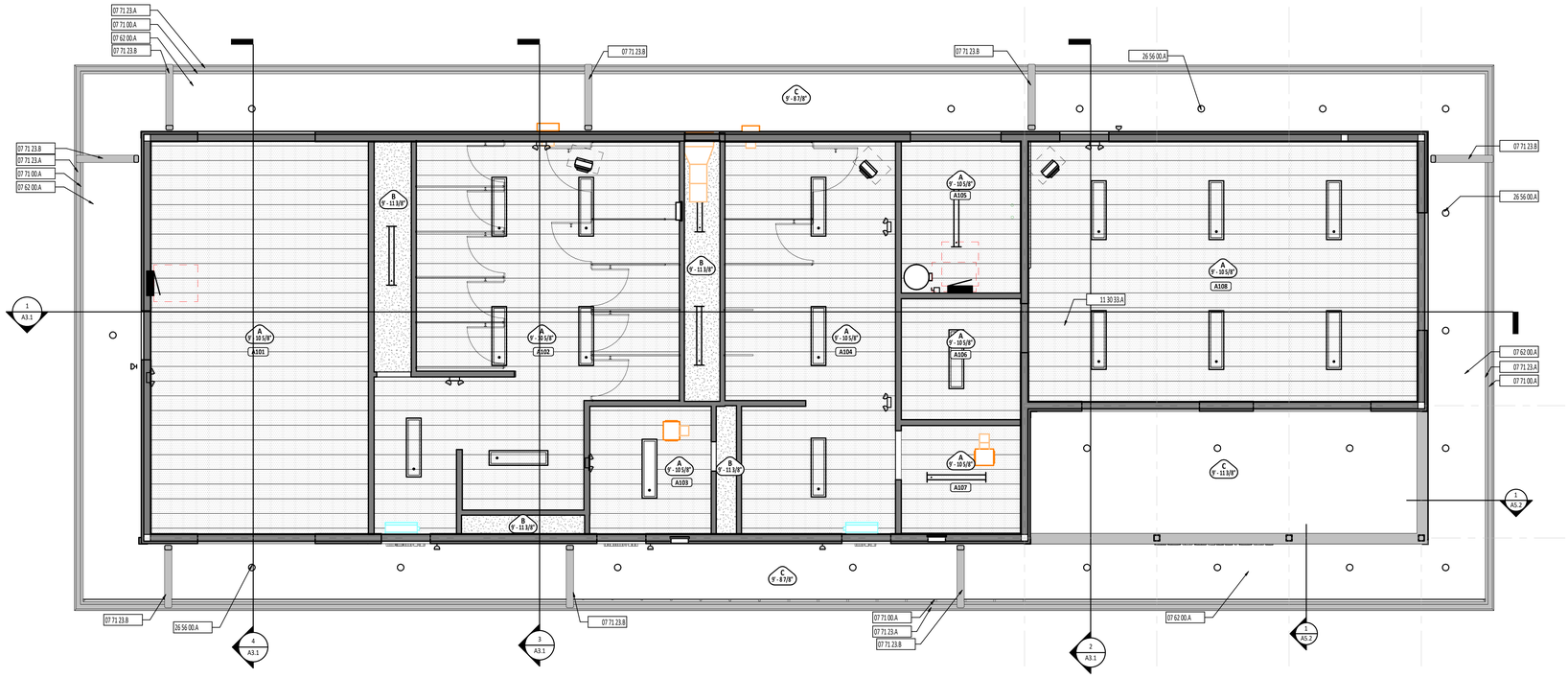

1 A7.1 **FIRST FLOOR REFLECTED CEILING PLAN - UNIT B**
1/4" = 1'-0"

N

FIRST FLOOR PLAN ROOM INDEX - OVERALL

ROOM NUMBER	ROOM NAME	AREA	OCCUPANCY
A101	STORAGE ROOM	394 SF	1
A102	WOMEN'S RESTROOM	431 SF	
A103	FAMILY RESTROOM	72 SF	
A104	MEN'S RESTROOM	297 SF	
A105	MECHANICAL ROOM	83 SF	0
A106	STORAGE ROOM	67 SF	0
A107	JANITOR CLOSET	60 SF	0
A108	CONCESSION STAND	467 SF	5

CEILING SCHEDULE

MARK	DESCRIPTION	NOTES
A	3/4" PERFORATED METAL LINER PANEL ATTACHED TO GYP. WALLBOARD - 5/8" GYP ATTACHED TO UNDERSIDE OF WOOD TRUSS	
B	5/8" GYP ATTACHED TO UNDERSIDE OF WOOD TRUSS	
C	VENTED METAL SOFFIT	

#	KEYNOTE DESCRIPTION
07 62 00.A	PREFINISHED METAL SOFFIT SYSTEM WITH SUPPORT STRUCTURE AS REQUIRED
07 71 00.A	TWO-PIECE PREFINISHED FASCIA WITH DRIP EDGE
07 71 23.A	PREFINISHED METAL GUTTER WITH STRAP AND ANCHORAGES
07 71 23.B	PREFINISHED METAL DOWNSPOUT
11 30 33.A	RETRACTABLE STAIR - COORDINATE WITH TRUSS MANUFACTURER AND CASEWORK LOCATION
26 56 00.A	EXTERIOR LIGHT - REFERENCE ELECTRICAL DRAWINGS.

STATE OF OHIO
MATTHEW R. HIBNER 1416052
REGISTERED ARCHITECT
MATTHEW R. HIBNER
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23047.03	MBK	HEF

SHEET TITLE:

FIRST FLOOR EQUIPMENT AND FINISH PLAN

SHEET NUMBER:

A7.1

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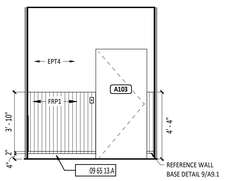
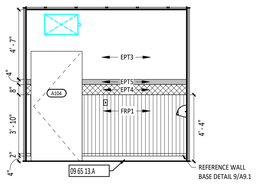
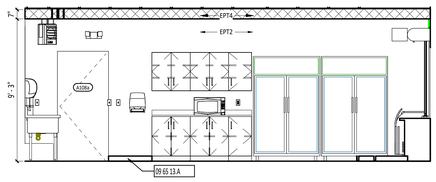
1 / A9.1 FIRST FLOOR FINISH PLAN - UNIT A
1/4" = 1'-0"



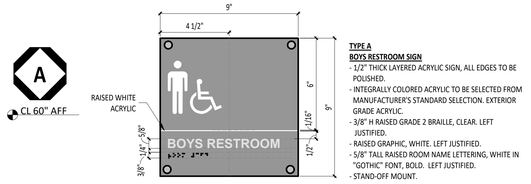
3 / A9.1 INTERIOR ELEVATION - TYPICAL INDIVIDUAL RESTROOM WALL FINISHES
1/4" = 1'-0"



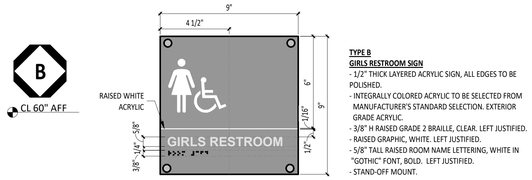
4 / A9.1 INTERIOR ELEVATION - TYPICAL GROUP RESTROOM WALL FINISHES
1/4" = 1'-0"



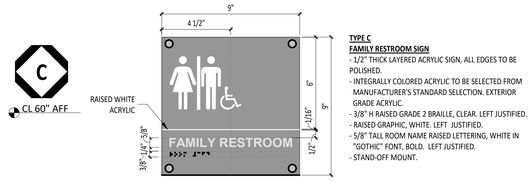
5 / A9.1 INTERIOR ELEVATION - NORTH - A110
1/4" = 1'-0"



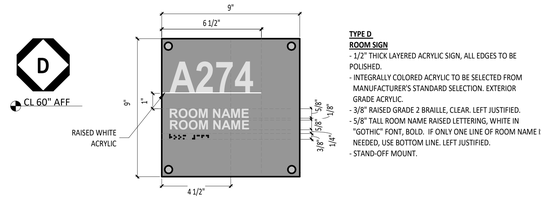
TYPE A
BOYS RESTROOM SIGN
- 1/2" THICK LAYERED ACRYLIC SIGN, ALL EDGES TO BE POLISHED.
- INTEGRALLY COLORED ACRYLIC TO BE SELECTED FROM MANUFACTURER'S STANDARD SELECTION. EXTERIOR GRADE ACRYLIC.
- 3/8" H RAISED GRADE 2 BRAILLE, CLEAR. LEFT JUSTIFIED.
- RAISED GRAPHIC, WHITE. LEFT JUSTIFIED.
- 5/8" TALL RAISED ROOM NAME LETTERING, WHITE IN "GOTHIC" FONT, BOLD. LEFT JUSTIFIED.
- STAND-OFF MOUNT.



TYPE B
GIRLS RESTROOM SIGN
- 1/2" THICK LAYERED ACRYLIC SIGN, ALL EDGES TO BE POLISHED.
- INTEGRALLY COLORED ACRYLIC TO BE SELECTED FROM MANUFACTURER'S STANDARD SELECTION. EXTERIOR GRADE ACRYLIC.
- 3/8" H RAISED GRADE 2 BRAILLE, CLEAR. LEFT JUSTIFIED.
- RAISED GRAPHIC, WHITE. LEFT JUSTIFIED.
- 5/8" TALL RAISED ROOM NAME LETTERING, WHITE IN "GOTHIC" FONT, BOLD. LEFT JUSTIFIED.
- STAND-OFF MOUNT.

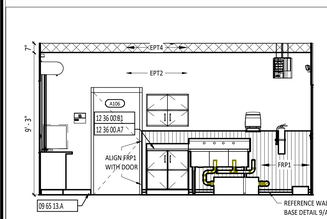


TYPE C
FAMILY RESTROOM SIGN
- 1/2" THICK LAYERED ACRYLIC SIGN, ALL EDGES TO BE POLISHED.
- INTEGRALLY COLORED ACRYLIC TO BE SELECTED FROM MANUFACTURER'S STANDARD SELECTION. EXTERIOR GRADE ACRYLIC.
- 3/8" H RAISED GRADE 2 BRAILLE, CLEAR. LEFT JUSTIFIED.
- RAISED GRAPHIC, WHITE. LEFT JUSTIFIED.
- 5/8" TALL ROOM NAME RAISED LETTERING, WHITE IN "GOTHIC" FONT, BOLD. LEFT JUSTIFIED.
- STAND-OFF MOUNT.

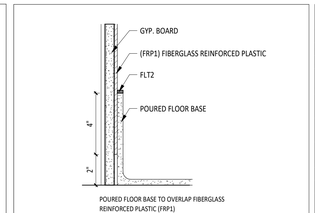


TYPE D
ROOM SIGN
- 1/2" THICK LAYERED ACRYLIC SIGN, ALL EDGES TO BE POLISHED.
- INTEGRALLY COLORED ACRYLIC TO BE SELECTED FROM MANUFACTURER'S STANDARD SELECTION. EXTERIOR GRADE ACRYLIC.
- 3/8" RAISED GRADE 2 BRAILLE, CLEAR. LEFT JUSTIFIED.
- 5/8" TALL ROOM NAME RAISED LETTERING, WHITE IN "GOTHIC" FONT, BOLD. IF ONLY ONE LINE OF ROOM NAME IS NEEDED, USE BOTTOM LINE. LEFT JUSTIFIED.
- STAND-OFF MOUNT.

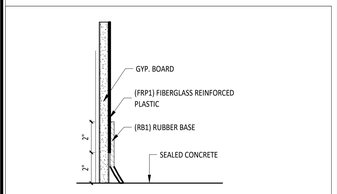
11 / A9.1 SIGNAGE DETAILS
3" = 1'-0"



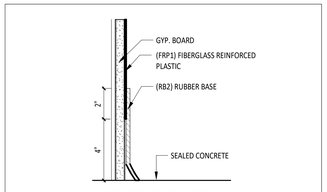
6 / A9.1 INTERIOR ELEVATION - WEST - A108
1/4" = 1'-0"



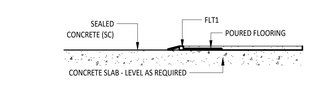
7 / A9.1 EPOXY POURED 06" FLOOR BASE - ALTERNATE
3" = 1'-0"



8 / A9.1 FRP TO 4" RUBBER WALL BASE DETAIL
3" = 1'-0"



9 / A9.1 FRP TO 6" RUBBER WALL BASE DETAIL
3" = 1'-0"



10 / A9.1 FLOOR TRANSITION - SEALED CONCRETE TO EPOXY POURED FLOORING
6" = 1'-0"

FIRST FLOOR PLAN ROOM INDEX - OVERALL

ROOM NUMBER	ROOM NAME	AREA	OCCUPANCY
A101	STORAGE ROOM	394 SF	1
A102	WOMEN'S RESTROOM	431 SF	
A103	FAMILY RESTROOM	72 SF	
A104	MEN'S RESTROOM	297 SF	
A105	MECHANICAL ROOM	83 SF	0
A106	STORAGE ROOM	67 SF	0
A107	JANITOR CLOSET	60 SF	0
A108	CONCESSION STAND	467 SF	5

FLOOR FINISH MATERIAL LEGEND

SEALED CONCRETE — SC

TYPICAL FINISHES

* UNLESS NOTED OTHERWISE, THESE FINISH SELECTIONS SHALL BE USED THROUGHOUT THE PROJECT. CONTRACTOR SHOULD BRING ANY DISCREPANCIES TO THE ARCHITECT'S ATTENTION IMMEDIATELY.

GWB CEILINGS AND BULKHEADS	PT1
HOLLOW METAL DOOR FRAMES	PT4
HOLLOW METAL DOORS	PT4
SWITCH PLATES AND OUTLET COVERS	WHITE
CASEWORK LAMINATE	HORIZONTAL
CASEWORK LAMINATE	VERTICAL

FLOOR FINISHES GENERAL NOTES

A FLOORING TRANSITIONS AND SEAMS AT DOOR SHALL OCCUR DIRECTLY UNDER THE CENTERLINE OF CLOSED DOOR UNLESS NOTED OTHERWISE.
B FLOORING TRANSITIONS ARE TO BE EASED TO ACHIEVE A SMOOTH AND UNIFORM TRANSITION.
C FLOOR FINISHES SHALL EXTEND UNDER BUILT-IN COUNTER AND EQUIPMENT.
D REFERENCE THE FINISH MATERIAL SCHEDULE FOR MANUFACTURERS, TYPES, AND COLOR SELECTIONS.
E ALL BASE MATERIALS SHALL BE INSTALLED TIGHT TO FLOORING SURFACE.
F REFERENCE SHEETS A9.1 FOR INTERIOR FINISH ALTERATES.
G ALL INTERIOR WALL FINISH TRANSITIONS SHOULD OCCUR AT AN INSIDE CORNER, IF A MATERIAL OR COLOR CHANGE OCCURS AT AN OUTSIDE CORNER, CONTRACTOR SHALL BRING THIS TO THE ATTENTION OF THE ARCHITECT FOR CLARIFICATION.

SIGNAGE GENERAL NOTES

A VERIFY SIGNAGE NAME AND NUMBER WITH OWNER BEFORE MANUFACTURING.
B REFERENCE A8 SHEETS FOR CONSTRUCTION DOCUMENTS SIGNAGE TYPE AND PLACEMENT LOCATION.

INTERIOR ELEVATION GENERAL NOTES

A REFERENCE FINISH FLOOR PLANS FOR ADDITIONAL INFORMATION.
B SHADING ON ELEVATIONS TO HELP CLARIFY AND HIGHLIGHT PAINT OR MATERIAL CHANGES. REFER TO NOTED FINISH PLAN FOR ACTUAL PAINT/MATERIAL USED AT LOCATION.
C REFERENCE FINISH MATERIAL SCHEDULE FOR MANUFACTURERS, TYPES, COLOR SELECTIONS.

#	KEYNOTE DESCRIPTION
09 65 13.A	BASE AS SCHEDULED - REFERENCE FINISH MATERIAL SCHEDULE.
10 26 23.B1	FIBERGLASS REINFORCED PANELING BACKSPLASH - 4'-0"H x 2'-0"W MININUM BEYOND EACH CORNER OF FLOOR SERVICE SINK
12 36 00.A1	PLASTIC LAMINATE COUNTERTOP
12 36 00.A6	STAINLESS STEEL COUNTERTOP
12 36 00.A7	SOLID SURFACING COUNTERTOP
12 36 00.B1	4" HIGH BACKSPLASH - SAME MATERIAL AS COUNTERTOP AND HEIGHT AS LABELED UNLESS NOTED OTHERWISE

FINISH MATERIAL SCHEDULE

NAME	MANUFACTURER	STYLE	NUMBER	COLOR	SIZE	COMMENTS
03 35 00 CONCRETE FINISHING - SEALED CONCRETE						
SC	REFER TO SPECIFICATIONS	- -	- -	GRAY	- -	
09 65 00 RESILIENT FLOORING - FLOOR TRANSITIONS						
FLT1	SCHLUTER	RENO-U	- -	SATIN ANODIZED ALUMINUM	- -	FOR RESINOUS FLAKE FLOORING ALTERNATE
FLT2	SCHLUTER	JOLLY	- -	BRUSHED STIANLESS	J 60 EB	FOR RESINOUS FLAKE FLOORING ALTERNATE
09 65 13 RESILIENT BASE AND ACCESSORIES - RUBBER BASE						
RB1	JOHNSONITE	TRADITIONAL RUBBER BASE	40	BLACK	4" COVE TOE	
RB2	JOHNSONITE	TRADITIONAL RUBBER BASE	40	BLACK	6" COVE TOE	
09 91 23 PAINTING - EPOXY PAINT						
EPT2	SHERWIN WILLIAMS	REFER TO SPECIFICATIONS	SW7010	WHITE DUCK	- -	
EPT3	SHERWIN WILLIAMS	REFER TO SPECIFICATIONS	SW7018	DOVETAIL	- -	
EPT4	SHERWIN WILLIAMS	REFER TO SPECIFICATIONS	SW6993	BLACK OF NIGHT	- -	
EPT5	SHERWIN WILLIAMS	REFER TO SPECIFICATIONS	SW6884	OBSTINATE ORANGE	- -	
09 91 23 PAINTING - PAINT						
PT1	SHERWIN WILLIAMS	REFER TO SPECIFICATIONS	SW7757	HIGH REFLECTIVE WHITE	- -	CEILING PAINT
PT2	SHERWIN WILLIAMS	REFER TO SPECIFICATIONS	SW7010	WHITE DUCK	- -	
10 21 13 COMPARTMENTS AND CUBICLES - TOILET PARTITION						
TPN1	SCRANTON	REFER TO SPECIFICATIONS	- -	GRAY	- -	
10 26 23 PROTECTIVE WALLCOVERING - FIBER REINFORCED PANELING						
FRP1	MARLITE	FIBER REINFORCED PANEL	- -	LIGHT GRAY, PEBBLE TEXTURE	- -	
12 35 50.13 CASEWORK - CASEWORK HARDWARE						
CH1	STEVENS	STAINLESS STEEL COLLECTION, BAR 128	SA019SS	STAINLESS STEEL	- -	
12 35 50.13 EDUCATIONAL CASEWORK - PLASTIC LAMINATE						
LT1	PANOLAM	PREMIUM HIGH PRESSURE LAMINATE	MB120-V	HAROLD		
LT2	WILSONART	PREMIUM HIGH PRESSURE LAMINATE	8201K-12	GREY ELM		

SIGNAGE SCHEDULE - FIRST FLOOR PLAN

CONSTRUCTION DOCUMENTS ROOM NUMBER SERVED	CONSTRUCTION DOCUMENTS DOOR NUMBER / OPENING	CONSTRUCTION DOCUMENTS ROOM NAME	CONSTRUCTION DOCUMENTS SIGNAGE TYPE	ACTUAL SIGNAGE NUMBER	ACTUAL SIGNAGE NAME	NOTES
A101		STORAGE ROOM	D			
A102		WOMEN'S RESTROOM	B			
A103		FAMILY RESTROOM	C			
A104		MEN'S RESTROOM	A			
A105		MECHANICAL ROOM	D			
A106		STORAGE ROOM	D			
A107		JANITOR CLOSET	D			
A108		CONCESSION STAND	D			

FINISH TAG LEGEND

A1XX — ROOM NUMBER

FLOOR FINISH	RF1
BASE FINISH	RB1
WALL FINISH	PT1
FINISH REMARK*	2

*REMARKS NUMBERS COORDINATE WITH "INTERIOR FINISH REMARKS" NOTES LEGEND ABOVE

MATERIALS NOTED IN FINISH TAG SHOULD BE CONSIDERED THE OVERALL FINISHES IN THE ROOM MARKED UNLESS NOTED OTHERWISE WITH KEYNOTES ON FINISH PLAN OR INTERIOR ELEVATIONS.

INTERIOR FINISH REMARKS

1. MULTIPLE WALL FINISHES IN THIS ROOM. REFER TO INFORMATION NOTED ON FINISH PLANS AND INTERIOR ELEVATIONS.
2. RESINOUS FLAKE FLOORING AND INTEGRAL COVE BASE AS AN ALTERNATE IN THIS ROOM, U.N.O. REFERENCE 7/A9.1 FOR BASE DETAIL.
3. FRP1 FROM 0'-4" TO 4'-4" A.F.F, EPT4 FROM 4'-6" A.F.F TO ABOVE CEILING ON ALL WALLS IN THIS ROOM, U.N.O. REFER TO DETAIL 3/A9.1.
4. FRP1 FROM 0'-4" TO 4'-4" A.F.F, EPT4 FROM 4'-4" TO 5'-0", EPT5 FROM 5'-0" TO 5'-4", EPT3 FROM 5'-4" TO ABOVE CEILING ON ALL WALLS IN THIS ROOM, U.N.O. REFER TO DETAIL 4/A9.1.
5. EPT2 FROM FINISHED FLOOR TO 9'-3" A.F.F, EPT4 FROM 9'-3" TO ABOVE CEILING ON ALL WALLS IN THIS ROOM, U.N.O. REFER TO DETAILS 5 & 6/A9.1.
6. REFERENCE WALL BASE DETAIL LOCATED AT, 9/A9.1.
7. REFERENCE WALL BASE DETAIL LOCATED AT, 8/A9.1.

STATE OF OHIO — MATTHEW R. HIBNER — 1416052 — REGISTERED ARCHITECT

MATTHEW R. HIBNER
LICENSE #1416052
EXPIRATION DATE: 12/31/2027

GARMANN MILLER
MINSTER, OHIO | COLUMBUS, OHIO | INDIANAPOLIS, INDIANA
creativgm.com

NEW BUILDING FOR
ARCANUM BOOSTER STADIUM PHASE III IMPROVEMENTS
310 NORTH MAIN STREET, ARCANUM, OHIO 45304

ISSUANCES/REVISIONS

CONSTRUCTION DOCUMENTS	01/06/2026

PROJECT NUMBER:	DRAWN BY:	CHECKED BY:
23047.03	MEK	HEF

SHEET TITLE:
FIRST FLOOR FINISH PLAN - UNIT A

SHEET NUMBER:
A9.1

PRINTED ON: 1/6/2026 11:27:42 AM

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GENERAL STRUCTURAL NOTES

GENERAL

1. THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE CONSTRUCTION IS FULLY COMPLETED. IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE CONSTRUCTION PROCEDURE AND SEQUENCE AND TO ENSURE THE SAFETY OF THE BUILDING AND ITS COMPONENT PARTS DURING ERECTION. THIS INCLUDES THE ADDITION OF WHATEVER SHORING, SHEETING, TEMPORARY BRACING, GUYS, OR TIEDOWNS WHICH MIGHT BE NECESSARY. SUCH MATERIAL IS TO REMAIN THE CONTRACTOR'S PROPERTY AFTER COMPLETION OF THE PROJECT.
2. IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO FOLLOW ALL APPLICABLE SAFETY CODES AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION.
3. MECHANICAL EQUIPMENT LOADS, OPENINGS AND STRUCTURE IN ANY WAY RELATED TO MECHANICAL REQUIREMENTS ARE SHOWN FOR BIDDING PURPOSES ONLY. CONTRACTOR IS TO OBTAIN APPROVAL OF MECHANICAL AND OTHER TRADES BEFORE PROCEEDING WITH SUCH PORTION OF THE WORK. EXCESS COST RELATED TO VARIATION IN MECHANICAL REQUIREMENTS TO BE BORNE BY MECHANICAL CONTRACTOR.
4. DO NOT SCALE THE DRAWINGS WHERE DIMENSIONS ARE NOT SPECIFICALLY GIVEN. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS AND ELEVATIONS NOT SHOWN. COORDINATE ALL DIMENSIONS AND ELEVATIONS WITH THE ARCHITECTURAL DRAWINGS. ALL DIMENSIONS AND ELEVATIONS SHOWN ON THE STRUCTURAL DRAWINGS ARE NOT INTENDED TO AUGMENT, NOR SUPERSEDE THOSE SHOWN ON THE ARCHITECTURAL DRAWINGS.
5. FIELD VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO CONSTRUCTION. NOTIFY THE ARCHITECT IMMEDIATELY WHERE CONFLICTS EXIST WITHIN THE DRAWINGS OR BETWEEN THE DRAWINGS AND FIELD CONDITIONS.
6. THROUGHOUT THESE PLANS, THE TERM "PROVIDE" IS DEFINED AS "SUPPLY AND INSTALL".
7. SHOP DRAWINGS ARE TO BE SUBMITTED BY CONTRACTOR FOR REVIEW PRIOR TO FABRICATION OR SEQUENCE. LIMITS OF EACH INDIVIDUAL ERECTION PHASE OR SEQUENCE ARE TO BE CLEARLY INDICATED ON THE SHOP DRAWINGS. ALL SHOP DRAWINGS OR RECORDS OF REVIEW WILL BE RETURNED PRIOR TO REVIEW. RESUBMITTALS ARE TO HAVE REVISIONS CLEARLY MARKED OR IDENTIFIED. THE CONTRACTOR SHALL REVIEW AND ACCEPT FULL RESPONSIBILITY FOR DIMENSIONAL CORRECTNESS. ALL SHOP DRAWINGS MUST BEAR THE APPROVAL STAMP OF THE CONTRACTOR PRIOR TO REVIEW BY THE ARCHITECT OR ENGINEER.
8. SHOULD ANY OF THE DETAILED INSTRUCTIONS SHOWN ON THE PLANS CONFLICT WITH THE GENERAL STRUCTURAL NOTES, THE SPECIFICATIONS OR WITH EACH OTHER, THE STRICTEST PROVISION WILL GOVERN.
9. CODE INFORMATION

- GOVERNING CODE:	2024 OHIO BUILDING CODE	
- BUILDING RISK CATEGORY:	CATEGORY II	
LOADING TYPE:	UNIFORM (PSF)	CONCENTRATED (LB)
FLOOR LIVE LOADS (WITH ALLOWABLE REDUCTIONS WHERE APPLICABLE):		
- FIRST FLOOR OCCUPANCIES	100 PSF	1,000 LBS
ROOF LIVE LOADS:		
- ORDINARY ROOFS	20 PSF	--
ROOF RAIN LOADS	PRIMARY	SECONDARY
- RAIN INTENSITY (i)	2.8 IN/HR	1.5 IN/HR
SNOW LOADS:		
- GROUND SNOW LOAD (Pg)	20 PSF	
- FLAT ROOF SNOW LOAD (Pf)	20 PSF	
- SNOW EXPOSURE FACTOR (Ce)	1.0	
- SNOW LOAD IMPORTANCE FACTOR (Is)	1.0	
- THERMAL FACTOR (Ct)	1.2	
WIND LOADS:		
- BASIC WIND SPEED (V)	107 MPH	
- BASIC ALLOWABLE WIND SPEED (V asd)	83 MPH	
- SITE EXPOSURE CATEGORY	C	
- INTERNAL PRESSURE COEFFICIENT	+/- 0.18	
SEISMIC LOADS:		
- SEISMIC IMPORTANCE FACTOR (Ie)	1.0	
- MAPPED SPECTRAL RESPONSE ACCELERATION (Ss)	0.164	
- MAPPED SPECTRAL RESPONSE ACCELERATION (S1)	0.073	
- SEISMIC SITE CLASS	D	
- DESIGN SPECTRAL RESPONSE ACCELERATION (Sds)	0.175	
- DESIGN SPECTRAL RESPONSE ACCELERATION (Sd1)	0.117	
- SEISMIC DESIGN CATEGORY	B	
- RESPONSE MODIFICATION COEFFICIENT (R)	6.5	
- SEISMIC RESPONSE COEFFICIENT (Cs)	0.027	
- SEISMIC DESIGN BASE SHEAR (V)	2.1 K	
- ANALYSIS PROCEDURE	EQUIVALENT LATERAL FORCE	
- BASIC SEISMIC FORCE-RESISTING SYSTEM:	WOOD PANEL SHEAR WALLS	
SPECIAL LOADS:		
- INTERIOR WALLS & PARTITIONS	5 PSF HORIZONTAL (ALLOWABLE)	
GEOTECHNICAL:		
- GEOTECHNICAL ENGINEER:	KOONTZ BRYANT JOHNSON WILLIAMS	
- REFERENCE REPORT: I.D. OR NUMBER:	24-30510-01-0624	
- REFERENCE REPORT DATE:	JUNE 25, 2024	
- ALLOWABLE DESIGN BEARING PRESSURE:	2,000 PSF	
- FOUNDATION TYPE:	SHALLOW SPREAD FOOTINGS	

DELEGATED DESIGN ITEMS

1. PREFABRICATED ITEMS SHOWN ON THE STRUCTURAL DRAWINGS ARE REFERENCED FOR GENERAL COORDINATION PURPOSES ONLY. THESE SYSTEMS SHALL BE DESIGNED, FURNISHED, AND INSTALLED AS REQUIRED BY OTHER PORTIONS OF THE CONTRACT DOCUMENTS. JEZERINAC GEERS WILL REVIEW THE DESIGN METHODOLOGY, LOADS, AND INSTALLATION DETAILS AS PART OF THE SHOP DRAWING REVIEW PROCESS AND MAY REQUEST A SEALED CALCULATION PACKAGE FOR REVIEW. SHOP DRAWINGS SHALL BE SIGNED AND SEALED BY THE ENGINEER RESPONSIBLE FOR THE DESIGN OF THE DESIGNED ITEMS. DELEGATED DESIGN ITEMS FOR THIS PROJECT INCLUDE THE FOLLOWING:
   A. DIVISION 6:
      1. ENGINEERED WOOD TRUSSES

REINFORCED CONCRETE

1. SPECIFICATIONS: IN GENERAL, COMPLY WITH ACI-301-20, "SPECIFICATIONS FOR STRUCTURAL CONCRETE".
2. MATERIALS:
   A. STRUCTURAL CONCRETE:

MIX USAGE	f'c (PSI)	MAX w/cm	EXPOSURE CLASS	AIR CONTENT
LEAN CONCRETE	1,500	--	F0	--
FOOTINGS & INTERIOR COLUMN PIERS	3,000	0.55	F0	--
EXTERIOR SLABS ON GRADE	4,000	0.45	F3	5%-7%
PERIMETER FOUNDATION STEMWALLS, EXTERIOR FOUNDATION WALLS, & EXTERIOR COLUMN PIERS	4,500	0.45	F2	5%-7%
EXTERIOR SLABS ON GRADE & EXTERIOR CONCRETE NOT OTHERWISE IDENTIFIED	4,500	0.45	F2, C1	5%-7%

   B. ALL DEFORMED REINFORCING BARS: FY = 60,000 PSI.
   C. CEMENT: PORTLAND CEMENT, ASTM C150; TYPE I OR TYPE II, ASTM C1157; TYPE LH OR GU; OR ASTM C595; TYPE IL. ALL CEMENT FOR CONCRETE EXPOSED TO VIEW IS TO BE FROM THE SAME MILL.
   D. AGGREGATES: ASTM C33, USE SIZE NO. 57 FOR ALL MIXES UNLESS NOTED OTHERWISE.
   E. ADMIXTURES:
      1. WATER-REDUCING, LOW AND MID-RANGE: ASTM C494, TYPE A OR D.
      2. HIGH-RANGE WATER REDUCING, SUPERPLASTICIZER: ASTM C494, TYPE F OR G.
   F. AIR-ENTRAINING: ASTM C260.
   G. FLY-ASH: ASTM C618, TYPE C OR F.
   H. NON-CHLORIDE, NON-CORROSIVE ACCELERATOR: ASTM C494, TYPE C OR E.
   I. VAPOR RETARDER SHALL CONFORM TO ASTM E1745 "STANDARD SPECIFICATION FOR PLASTIC WATER VAPOR RETARDERS USED IN CONTACT WITH SOIL OR GRANULAR FILL UNDER CONCRETE SLABS". CLASS A.
   J. VAPOR RETARDER SHALL BE INSTALLED IN ACCORDANCE WITH ASTM E1643 "STANDARD PRACTICE FOR INSTALLATION OF WATER VAPOR RETARDERS USED IN CONTACT WITH EARTH OR GRANULAR FILL UNDER CONCRETE SLABS. THE VAPOR RETARDER/BARRIER SHALL BE A MINIMUM OF 15 MILS THICK AND PLACED DIRECTLY ON THE GRANULAR FILL. BELOW THE CONCRETE FLOOR SLAB. LAP JOINTS A MINIMUM OF 6 INCHES AND SEAL WITH MANUFACTURER'S RECOMMENDED TAPE OR ADHESIVE.
3. FIELD MANUAL: PROVIDE AT LEAST ONE COPY OF THE ACI FIELD REFERENCE MANUAL, MNL-15(20) IN THE FIELD OFFICE AT ALL TIMES.
4. SUBMITTALS:
   A. SUBMIT A MIX DESIGN FOR EACH MIXTURE USAGE REQUIRED FOR THE PROJECT. CONCRETE PROPORTIONS ARE TO BE ESTABLISHED ON THE BASIS OF PREVIOUS FIELD EXPERIENCE OR TRIAL MIXTURES.
   B. SUBMIT PLACING DRAWINGS FOR ALL REINFORCING. INDICATE STRENGTH, SIZE, AND DETAILS OF ALL BAR REINFORCING.
   C. SUBMIT PRODUCT LITERATURE FOR ADMIXTURES AND CURING COMPOUNDS PROPOSED FOR USE.
   D. SUBMIT REPORTS OF ALL REQUIRED TESTING AND INSPECTIONS.
5. CONTINGENCIES:
   A. PROVIDE LEAN CONCRETE UNDER FOUNDATIONS FOR ACCIDENTAL OVER EXCAVATION, SOFT SPOTS, AND UTILITY TRENCHES.
6. FOOTINGS, PIERS, WALLS:
   A. DOWELS IN FOOTINGS TO MATCH VERTICAL PIER OR WALL REINFORCING.
   B. PROVIDE CORNER BARS AT WALL AND FOOTING CORNERS TO MATCH HORIZONTAL REINFORCING.
   C. LAP BARS AS INDICATED IN THE CONCRETE REINFORCING LAP SCHEDULE.
7. SPLICES:
   A. LAP SPLICE REINFORCING BARS AS SCHEDULED. MINIMUM LAP = 36 DIAMETERS.
8. CONSTRUCTION JOINTS:
   A. CONSTRUCTION JOINTS PERMITTED ONLY WHERE SHOWN OR AS APPROVED BY THE STRUCTURAL ENGINEER.
9. FINISHES:
   A. PER ACI 117, SURFACES OF INTERIOR SLABS ON GRADE ARE TO BE FINISHED TO THE FOLLOWING TOLERANCES: FLOOR FLATNESS FF=30 AND LEVELNESS FL=20 UNLESS NOTED OTHERWISE IN SPECIFICATIONS.
   B. TYPICAL INTERIOR FLOOR AREAS TO RECEIVE CARPET, RESILIENT FLOOR COVERING, OR TO REMAIN EXPOSED - TROWELED FINISH.
   C. INTERIOR FLOOR AREAS TO RECEIVE QUARRY TILE OR CERAMIC TILE - FLOATED FINISH.
   D. EXTERIOR SLABS - BROOM FINISH.
10. CURING:
   A. CURING IS TO COMMENCE IMMEDIATELY AFTER CONCRETE PLACEMENT AND CONTINUE FOR AT LEAST 7 DAYS. DO NOT ALLOW CURING TO BE DELAYED OVERNIGHT.
   B. INTERIOR SLABS TO RECEIVE QUARRY TILE OR CERAMIC TILE ARE TO BE MOIST-CURED WITHOUT THE USE OF A CURING COMPOUND.
   C. ALL OTHER SLABS MAY BE EITHER MOIST-CURED OR RECEIVE AN APPLICATION OF CURING COMPOUND.
11. FIELD QUALITY CONTROL:
   A. OBTAIN CONCRETE FOR REQUIRED TESTS AT POINT OF PLACEMENT. IF CONCRETE IS PUMPED, OBTAIN CONCRETE AT DISCHARGE END.
   B. FOR EACH CLASS OF CONCRETE, OTHER THAN LEAN CONCRETE, PERFORM ONE STRENGTH TEST FOR EACH 50 YARDS, OR FRACTION THEREOF, FOR ONE DAY PLACEMENT.
   C. DETERMINE SLUMP FOR EACH STRENGTH TEST.
   D. DETERMINE AIR CONTENT FOR EACH STRENGTH TEST OF EXTERIOR EXPOSED CONCRETE.
   E. MAINTAIN RECORDS OF ALL TESTS INDICATING EXACT LOCATION OF THE STRUCTURE REPRESENTED BY EACH TEST.

STRUCTURAL STEEL

1. MATERIALS:
   A. STRUCTURAL STEEL, CHANNELS, ANGLES, PLATES, ETC.: ASTM A36, Fy = 36 KSI
   B. ANCHOR RODS: ASTM F1554, GRADE 36, UNLESS NOTED OTHERWISE
   C. ELECTRODES: SERIES E70
   D. RECTANGULAR HSS: ASTM A500, GRADE C, FY = 50 KSI
2. SPECIFICATIONS:
   A. WELDING PERSONNEL AND PROCEDURES ARE TO BE QUALIFIED PER AWS D1.1. UNLESS SPECIFICALLY SHOWN OTHERWISE, DESIGN, FABRICATION AND ERECTION TO BE GOVERNED BY THE LATEST REVISIONS OF:
      1. AISC SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS.
      2. AISC CODE OF STANDARD PRACTICE.
      3. STRUCTURAL WELDING CODE, AWS D1.1 OF THE AMERICAN WELDING SOCIETY.
      4. SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS.
3. SUBMITTALS:
   A. SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL WHICH INCLUDE ERECTION PLANS, CONNECTION DETAILS, AND SHOP DETAILS INDICATING CUTS, COPES, CAMBERS, CONNECTIONS, HOLES, THREADED FASTENER TYPES AND SIZES, AND SIZES AND LENGTHS OF WELDS.
   B. INDICATE MATERIAL SPECIFICATIONS, STRENGTHS, AND FINISHES.
4. CONNECTIONS:
   A. FIELD CONNECTIONS ARE TO BE BOLTED, EXCEPT AS INDICATED OTHERWISE. SHOP CONNECTIONS MAY BE WELDED OR BOLTED.
5. COATINGS:
   A. HOT-DIP GALVANIZE ALL EXTERIOR STEEL.
6. MISCELLANEOUS:
   A. PROVIDE HOLES FOR OTHERS. IF OPENING IS NOT SHOWN ON THE STRUCTURAL DRAWINGS, OBTAIN PRIOR APPROVAL.
   B. GROUT UNDER BEARING PLATES TO BE NON-METALLIC, NON-SHRINKING TYPE.
   C. STEEL BELOW GRADE TO BE PROTECTED BY A MINIMUM OF 3" OF CONCRETE, 4" OF SOLID MASONRY, OR A FIELD-APPLIED COAT OF ASPHALT MASTIC PAINT.
   D. PROVIDE HEAVY PLATE WASHERS AT ALL ANCHOR RODS.
   E. PROVIDE DOUBLER PLATES, STIFFENERS AND ALL OTHER MEMBERS IN DIRECT BEARING.
   F. STEEL IN CONTACT WITH PRESSURE-TREATED LUMBER IS TO BE PROTECTED FROM CORROSION FROM PRESERVATIVE CHEMICALS WITH A 20 MIL (MIN.) VAPOR BARRIER. BOLTS AND SCREWS THROUGH PRESSURE-TREATED LUMBER ARE TO BE HOT DIPPED GALVANIZED PER ASTM A153 WITH A MINIMUM G185 COATING OR STAINLESS STEEL WITH CHEMICAL COMPOSITION CONFORMING TO AISI 303/304 OR AISI 316.
   G. SEE ARCHITECTURAL SECTIONS AND DETAILS FOR ALL MISCELLANEOUS STRUCTURAL STEEL NOT OTHERWISE INDICATED IN THE STRUCTURAL DRAWINGS.
7. FIELD QUALITY CONTROL:
   A. INSPECTION AGENCY IS TO PERFORM INSPECTION OF BOLTED CONNECTIONS PER THE REQUIREMENTS OF AISC SPECIFICATION FOR STRUCTURAL JOINTS.

STRUCTURAL LUMBER

1. MATERIALS:
   A. STRUCTURAL LUMBER: ALL DESIGN VALUES PER 2018 NFPA NATIONAL DESIGN SPECIFICATION. ANY SUBSTITUTIONS ARE TO MEET MINIMUM DESIGN VALUES OF ABOVE MEMBERS. UNLESS NOTED OTHERWISE FRAMING MATERIALS SHALL BE:
      1) BEAMS, HEADERS, JOISTS, AND RAFTERS - SPRUCE-PINE-FIR NO.1/NO.2 AS GRADED BY NLGA
      2) WALL STUDS 2x4 OR 2x6 - SPRUCE-PINE-FIR NO.1/NO.2 AS GRADED BY NLGA
      3) MICRO-LAM (M-L) OR LAMINATED VENEER LUMBER (LVL): Fb = 2,600 PSI, Fv = 285 PSI, Fc (PERP) = 750 PSI, E = 1,900 KSI.
      4) DECKING AND SHEATHING (OSB OR PLYWOOD) PER DOC PS-1 AND PS-2
         ROOFS: 19/32 (5/8" NOMINAL) APA RATED SHEATHING, 40/20, EXPOSURE 1
         WALL SHEATHING: 7/16" APA RATED SHEATHING, WALL-24, EXPOSURE 1
   B. ALL LUMBER IN CONTACT WITH CONCRETE, MASONRY, GROUNDSOIL, OR USED IN CONDITIONS WITH MOISTURE PRESENT, IS TO BE PRESSURE-TREATED TO RESIST DECAY PER AWPA U1 AND M4. PRESERVATIVES USED FOR PRESSURE TREATMENT ARE TO BE ALKALINE COPPER QUAT, ACQ-C OR ACQ-D. OTHER PRESERVATIVES PROPOSED FOR USE ARE TO BE SUBMITTED FOR REVIEW PRIOR TO ERECTION OR INSTALLATION ON THE PROJECT.
   C. FIRE-RETARDANT-TREATED WOOD PRODUCTS — MUST CONFORM TO ASTM E84 OR UL 723. WOOD STRUCTURAL PANELS SHALL HAVE IN-SERVICE LOAD CAPACITIES IN ACCORDANCE WITH ASTM D5516. FIRE-RETARDANT-TREATED WOOD SHALL BE DRIED TO A MOISTURE CONTENT OF 19% OR LESS FOR LUMBER AND 15% OR LESS FOR WOOD STRUCTURAL PANELS BEFORE USE.
2. SPECIFICATIONS:
   A. UNLESS SPECIFICALLY SHOWN OTHERWISE, DESIGN, FABRICATION AND ERECTION ARE TO BE GOVERNED BY THE LATEST REVISIONS OF:
      1. NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION.
      2. U.S. PRODUCT STANDARD PS-1 FOR CONSTRUCTION AND INDUSTRIAL PLYWOOD.
      3. APA PS 2-18, PERFORMANCE STANDARD FOR WOOD STRUCTURAL PANELS.
      4. APA DESIGN/CONSTRUCTION GUIDE - RESIDENTIAL AND COMMERCIAL.
3. CONNECTIONS:
   A. CONNECTIONS FOR WOOD MEMBERS SHALL BE MINIMALLY FASTENED AS PRESCRIBED IN TABLE 2304.10.2 OF THE REFERENCED BUILDING CODE UNLESS DETAILED OTHERWISE. ALL NAILS ARE TO BE COMMON WIRE NAILS, UNLESS SPECIFICALLY NOTED OTHERWISE.
   B. FOUNDATION PLATES ON CONCRETE OR MASONRY WALLS SHALL BE PRESSURE TREATED LUMBER, SOUTHERN PINE #2 GRADE MINIMUM. SILLS SHALL BE ANCHORED TO CONCRETE OR MASONRY WITH ½" DIAMETER x 12" LONG ANCHOR RODS SPACED AT 48" O.C. MAXIMUM, UNLESS NOTED OTHERWISE. THERE SHALL BE A MINIMUM OF 3 BOLTS PER SILL PIECE WITH ONE BOLT LOCATED WITHIN 12" OF EACH END OF EACH PIECE. DO NOT PROVIDE A SILL PLATE LESS THAN ANY POST OR STUD. SEE SHEARWALL SCHEDULE AND DETAILS FOR ADDITIONAL REQUIREMENTS.
   C. JOISTS TO BEAMS OR JOISTS TO TRUSSES – 16 GA. STD. JOIST HANGERS, UNLESS SHOWN OTHERWISE. BEAMS TO BEAMS - 16 GA. BEAM HANGERS, UNLESS SHOWN OTHERWISE.
   D. ALL HANGERS, STRAPS, CAPS, BASES, HOLDOWNS, TIES OR OTHER CONNECTORS IN CONTACT WITH PRESSURE-TREATED LUMBER ARE TO BE BATCH-POST HOT DIPPED GALVANIZED PER ASTM A123 WITH A MINIMUM G185 COATING OR STAINLESS STEEL WITH CHEMICAL COMPOSITION CONFORMING TO AISI 303/304 OR AISI 316.
   E. ALL FASTENERS INCLUDING NAILS, ANCHOR RODS, POWER ACTUATED FASTENERS, SCREWS, BOLTS, AND THREADED RODS, IN CONTACT WITH PRESSURE TREATED LUMBER ARE TO BE HOT DIPPED GALVANIZED PER ASTM A153 WITH A MINIMUM G185 COATING OR STAINLESS STEEL WITH CHEMICAL COMPOSITION CONFORMING TO AISI 303/304 OR AISI 316. FASTENERS AND CONNECTORS ARE TO BE OF THE SAME MATERIAL, STAINLESS STEEL, OR HOT DIPPED GALVANIZED, DO NOT MIX MATERIALS.
   F. ALL MECHANICAL ANCHORS INCLUDING WEDGE ANCHORS AND SLEEVE ANCHORS IN CONTACT WITH PRESSURE TREATED LUMBER ARE TO BE STAINLESS STEEL WITH CHEMICAL COMPOSITION CONFORMING TO AISI 303/304 OR AISI 316.
   G. SHEATHING:
      1. ROOFS - USE 16d NAILS AT 6" ON CENTER AT PANEL EDGES AND 12" ON CENTER AT INTERMEDIATE SUPPORTS (UNO).
      2. STUD WALLS - USE 8d COMMON OR GALVANIZED BOX NAILS AT 6" ON CENTER AT INTERMEDIATE SUPPORTS (UNO). SEE SHEARWALL SCHEDULE FOR ADDITIONAL FASTENING REQUIREMENTS.
      3. GYPSUM-SHEATHED WALLS - USE 5d COOLER OR 6d x 1-¼" GWB OR W SCREWS AT 7" ON CENTER AT PANEL EDGES AND 7" ON CENTER AT INTERMEDIATE SUPPORTS (UNO).
   H. TRUSS TO WALL OR RAFTERS TO WALL - STRAND-HOLDOWN ANCHORS AT EACH BEARING POINT. ADDITIONAL ANCHORS MAY BE REQUIRED BASED UPON FINAL LAYOUT AND DESIGN BY THE TRUSS MANUFACTURER DURING THE SHOP DRAWING PROCESS.
4. MISCELLANEOUS:
   A. PROVIDE ONE LINE OF SOLID BLOCKING OR CROSS BRIDGING AT 8'-0" O/C MAX. FOR ALL FLOOR JOISTS. USE SOLID BLOCKING AT ALL JOIST AND RAFTER BEARINGS.
   B. PROVIDE SOLID BLOCKING AT MID-HEIGHT OF WALLS FOR EACH OF THE FOLLOWING CONDITIONS: EXTERIOR STUD WALLS, INTERIOR BEARING PARTITIONS, AND ALL WALL FRAMING WHICH IS NOT SHEATHED ON EACH SIDE WITH GYPSUM OR WOOD SHEATHING.
   C. USE SINGLE JACK STUDS UNDER BEAM AND HEADER BEARINGS FOR SPANS GREATER THAN 4'-0". UNLESS SHOWN OTHERWISE, PROVIDE JACK STUDS UNDER BEAM AND HEADER BEARINGS FOR SPANS GREATER THAN 4'-0" UNLESS SHOWN OTHERWISE.
   D. EACH MEMBER OF MULTIPLE MEMBER BEAMS AND COLUMNS ARE TO BE NAILED TOGETHER WITH 2 ROWS OF 10d NAILS AT 6" ON CENTER, STAGGERED, THE FULL LENGTH OF THE MEMBER. FOR MULTIPLE MEMBER LVL OR LSL PRODUCTS, FOLLOW MINIMUM FASTENING REQUIREMENTS OF THE MANUFACTURER.

ENGINEERED WOOD TRUSSES

1. MATERIALS:
   A. LUMBER: AS REQUIRED BY THE TRUSS MANUFACTURE, NO 19 PERCENT MAXIMUM MOISTURE CONTENT (15 PERCENT MAXIMUM MOISTURE CONTENT FOR SOUTHERN PINE MEMBERS).
   B. CONNECTIONS: ALL INTERNAL TRUSS CONNECTIONS ARE TO BE DESIGNED BY THE TRUSS MANUFACTURER. CONNECTORS ARE TO BE DEFORMED PLATE TYPE, 18 GAUGE MINIMUM 20 GAUGE GALVANIZED STEEL SHEET. ALL JOINTS ARE TO BE DESIGNED USING METHODS AS SET FORTH IN TPI STANDARDS.
   C. ALL HANGERS, STRAPS, CAPS, BASES, HOLDOWNS, TIES OR OTHER CONNECTORS IN CONTACT WITH PRESSURE-TREATED LUMBER ARE TO BE BATCH-POST HOT DIPPED GALVANIZED PER ASTM A123 WITH A MINIMUM G185 COATING OR STAINLESS STEEL WITH CHEMICAL COMPOSITION CONFORMING TO AISI 303/304 OR AISI 316.
   D. ALL FASTENERS INCLUDING NAILS, ANCHOR RODS, POWER ACTUATED FASTENERS, SCREWS, BOLTS, AND THREADED RODS, IN CONTACT WITH PRESSURE TREATED LUMBER ARE TO BE HOT DIPPED GALVANIZED PER ASTM A153 WITH A MINIMUM G185 COATING OR STAINLESS STEEL WITH CHEMICAL COMPOSITION CONFORMING TO AISI 303/304 OR AISI 316. FASTENERS AND CONNECTORS ARE TO BE OF THE SAME MATERIAL, STAINLESS STEEL, OR HOT DIPPED GALVANIZED, DO NOT MIX MATERIALS.
   E. SPECIFICATIONS AND REFERENCE STANDARDS: UNLESS SPECIFICALLY SHOWN OTHERWISE, DESIGN, FABRICATION, ERECTION, HANDLING AND BRACING REQUIREMENTS ARE TO BE GOVERNED BY THE LATEST REVISIONS OF:
      1. NATIONAL DESIGN SPECIFICATIONS FOR STRESS-GRADE LUMBER AND ITS FASTENINGS.
      2. TIMBER CONSTRUCTION STANDARDS.
      3. DESIGN SPECIFICATIONS FOR LIGHT METAL PLATE CONNECTED WOOD TRUSSES.
      4. TRUSS PLATE INSTITUTE PUBLICATION-BTW BRACING WOOD TRUSSES: COMMENTARY AND RECOMMENDATIONS EXCEPT AS NOTED BELOW.
2. DESIGN:
   A. ALL TRUSSES ARE TO BE DESIGNED BY THE TRUSS MANUFACTURER FOR THE FOLLOWING LOADS:

ROOFS:	
- TOP CHORD DEAD LOAD:	15 PSF
- TOP CHORD LIVE LOAD:	20 PSF
- BOTTOM CHORD DEAD LOAD:	10 PSF
- BOTTOM CHORD LIVE LOAD:	0 PSF
LIVE LOAD DEFLECTION LIMIT:	L/300
TOTAL LOAD DEFLECTION LIMIT:	L/240

   ADDITIONAL DEAD LOADS:
   TRUSS DESIGNER SHALL INCLUDE ADDITIONAL WEIGHT OF DEAD LOADS APPLIED TO TRUSSES FROM OVER FRAMED AREAS INDICATED ON PLANS. WHERE TRUSSES ARE INDICATED TO SUPPORT BRICK VENEER, LIMIT TRUSS DEFLECTION TO L/600.
   SNOW LOADS:
   IN ACCORDANCE WITH ASCE 7-16 USING THE CRITERIA DEFINED IN THE "DESIGN LOADS" SECTION OF THE GENERAL STRUCTURAL NOTES. SNOW LOADS ARE TO INCLUDE THE EFFECTS OF "UNBALANCED SNOW LOADS FOR HIP AND GABLE ROOFS".
   WIND LOADS:
   IN ACCORDANCE WITH ASCE 7-16 USING THE CRITERIA DEFINED IN THE "DESIGN LOADS" SECTION OF THE GENERAL STRUCTURAL NOTES. TRUSSES ARE TO BE DESIGNED FOR "COMPONENTS AND CLADDING" WIND LOADS UNLESS NOTED OTHERWISE.
   OTHER LATERAL LOADS:
   SEE PLANS AND DETAILS FOR DRAG STRUT LOCATIONS AND LOADING REQUIREMENTS.
   SPECIAL LOADS:
   SEE PLANS AND ELEVATIONS FOR ADDITIONAL LOADS TO BE CONSIDERED IN THE TRUSS DESIGN.
   B. WHERE TRUSSES ARE REQUIRED TO FRAME INTO OTHER TRUSSES, DESIGN OF THE CONNECTIONS ARE TO BE THE RESPONSIBILITY OF THE TRUSS SUPPLIER. THE TRUSS SUPPLIER IS TO MAKE NECESSARY PROVISIONS IN THE SUPPORTING TRUSS TO ACCEPT THE TYPE OF HANGERS REQUIRED.
   C. ADDITIONAL PERMANENT BRACE SIZES AND CONNECTIONS, IF ANY, REQUIRED FOR THE STRUCTURAL ADEQUACY OF THE TRUSSES, IS TO BE THE SOLE RESPONSIBILITY OF THE TRUSS SUPPLIER.
   D. ADDITIONAL PERMANENT BRACE SIZES AND CONNECTIONS, IF ANY, NOT PROVIDED BY THE ERECTION SHOWN ON THE CONSTRUCTION DRAWINGS, ARE TO BE THE SOLE RESPONSIBILITY OF THE TRUSS SUPPLIER. THIS BRACING CAN INCLUDE, BUT IS NOT LIMITED TO, TOP CHORD BRACING FOR TRUSSES WITH PIGGY-BACKS, AND INTERMEDIATE BRACES FOR GABLE TRUSS WEB MEMBERS.
3. SUBMITTALS:
   A. TRUSS DESIGNS ARE TO BE SUBMITTED FOR REVIEW PRIOR TO FABRICATION. TRUSS SUBMITTAL IS TO INCLUDE THE FOLLOWING INFORMATION:
      1. DESIGN INFORMATION FOR EACH TYPE OF TRUSS SUPPLIED.
      2. LAYOUT DRAWING INDICATING LOCATION OF EACH SPECIFIC TRUSS TYPE AND ANY PERMANENT HORIZONTAL BRACING MEMBERS.
      3. PERMANENT MEMBER BRACE LOCATIONS, BRACE SIZES, AND CONNECTIONS.
      4. TRUSS HANGER TYPE AND LOCATION, FOR ALL TRUSSES FRAMING INTO TRUSSES.
      5. TRUSS DESIGNS AND LAYOUT DRAWING STAMPED BY A REGISTERED PROFESSIONAL ENGINEER, IN THE STATE OF PROJECT LOCATION.
   B. SUBMITTALS WHICH DO NOT INCLUDE THE ABOVE LISTED INFORMATION WILL BE RETURNED TO THE CONTRACTOR PRIOR TO REVIEW.
   C. FINAL APPROVED SUBMITTALS SHALL BE SUBMITTED TO THE GOVERNING BUILDING DEPARTMENT FOR RECORD.
4. MISCELLANEOUS:
   A. ALL GIRDER TRUSSES ARE TO BE 2-PLY MINIMUM.
   B. UNLESS SPECIFICALLY NOTED OTHERWISE ON THE APPROVED TRUSS SHOP DRAWINGS, ALL MEMBERS OF MULTIPLE TRUSSES ARE TO BE NAILED TOGETHER WITH 10d COMMON NAILS AT 9" O.C., FOR DOUBLE TRUSSES, OR WITH 16d COMMON NAILS AT 9" O.C. FROM EACH SIDE, FOR TRIPLE TRUSSES.

POST-INSTALLED ANCHOR SYSTEMS

1. GENERAL:
   A. LISTED ANCHOR PRODUCTS PROVIDED BELOW ARE NOT TO BE USED AS INTERCHANGEABLE PRODUCTS. EACH ANCHOR HAS DIMINISHED CAPACITIES BASED UPON TESTED PERFORMANCE WITH APPLICABLE SAFETY FACTORS AND WILL VARY ACROSS MANUFACTURERS. TYPES OF ANCHORS INDICATED THROUGHOUT THE DESIGN DOCUMENTS ARE DETAILED FOR THEIR SPECIFIC PURPOSE AND CAPACITY. SUBSTITUTION OF ANCHORS FROM THOSE SPECIFIED ARE ONLY ALLOWED AFTER ENGINEER REVIEW AND APPROVAL OR AMENDMENT FROM WRITTEN REQUEST BY THE CONTRACTOR.
   B. PROVIDE ANCHORAGE MATCHING MANUFACTURER, TYPE, DIAMETER, EMBEDMENT, AND BASE MATERIAL AS INDICATED IN THE DOCUMENTS.
   C. ALL POST-INSTALLED ANCHORS TO BE HAMMER DRILLED. FOLLOW ALL HOLE CLEANING AND INSTALLATION INSTRUCTIONS AS STIPULATED BY THE ANCHOR MANUFACTURER. FOLLOW ALL OSHA GUIDELINES FOR CONCRETE DRILLING AS IT PERTAINS TO SILICA DUST.
   D. INSTALLATION OF ADHESIVE ANCHORS MUST BE PERFORMED BY PERSONNEL TRAINED TO INSTALL ADHESIVE ANCHORS THROUGH MANUFACTURER TRAINING PROGRAMS.
   E. ORIENTATION OF ADHESIVE ANCHORS IN THE HORIZONTAL OR UPWARDLY INCLINED ORIENTATION AND WHERE SUPPORTING SUSTAINED TENSION LOADS SHALL BE INSTALLED BY CERTIFIED PERSONNEL BY ADCERO INSTALLATION PROGRAMS.
   F. MINIMUM CONCRETE AGE FOR POST-INSTALLED ADHESIVE ANCHORS SHALL BE NOT LESS THAN 28 DAYS.
   G. ALL ANCHORS IN CONTACT WITH PRESSURE TREATED LUMBER ARE TO BE HOT DIPPED GALVANIZED PER ASTM A153 WITH A MINIMUM G185 COATING OR STAINLESS STEEL WITH CHEMICAL COMPOSITION CONFORMING TO AISI 303/304 OR AISI 316. FASTENERS AND CONNECTORS ARE TO BE OF THE SAME MATERIAL, STAINLESS STEEL OR HOT DIPPED GALVANIZED, DO NOT MIX MATERI

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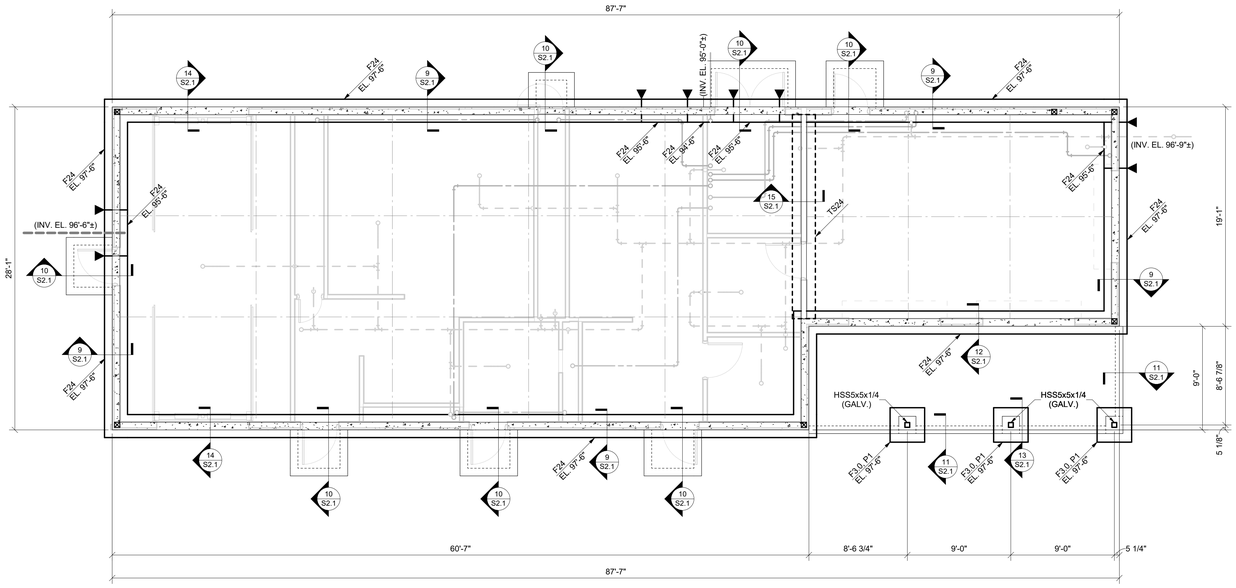


FOUNDATION PLAN

3/16" = 1'-0"

FOUNDATION NOTES

1. ▼ INDICATES FOOTING STEP PER SECTION 1/S2.1. STEP AT A RATIO NOT TO EXCEED ONE VERTICAL TO TWO HORIZONTAL.
2. ( ) INDICATES APPROXIMATE LOCATION AND INVERT ELEVATION OF UNDERGROUND UTILITIES. COORDINATE THE LOCATION AND DEPTH OF ALL UNDERGROUND MECHANICAL, ELECTRICAL, PLUMBING, AND/OR CIVIL WORK WITH THE APPROPRIATE TRADE CONTRACTOR(S) PRIOR TO CONSTRUCTION. NOT ALL UNDERGROUND UTILITIES ARE SHOWN ON THE STRUCTURAL DRAWINGS. FOUNDATIONS BUILT PRIOR TO THE INSTALLATION OF UNDERGROUND UTILITIES ARE TO BE STEPPED OR DROPPED COMPLETELY BELOW THE UTILITY DEPTH PER SECTION 1/S2.1 AND SLEEVED PER SECTION 2/S2.1. WHERE UNDERGROUND UTILITIES ARE IN PLACE PRIOR TO FOUNDATION CONSTRUCTION, THEY ARE TO BE ENCASED PER SECTION 3/S2.1. SEE SECTION 4/S2.1 FOR TRENCH EXCAVATION AND UTILITY PLACEMENT REQUIREMENTS FOR WORK THAT IS LAID ADJACENT TO FOOTINGS.
3. P(x) INDICATES CONCRETE PIER TYPE PER DETAILS ON THIS SHEET.
4. DESIGN SOIL BEARING PRESSURE = 2,000 PSF BASED ON GEOTECHNICAL EXPLORATION REPORT BY KOONTZ BRYANT JOHNSON WILLIAMS, DATED JUNE 25, 2024. REFERENCE THIS REPORT FOR ANY REQUIRED SOIL REMEDIATION PRIOR TO FOUNDATION AND/OR SLAB-ON-GRADE CONSTRUCTION. FOOTING EXCAVATIONS MAY BE REQUIRED TO EXTEND THROUGH EXISTING FILL REGIONS IN ORDER TO BEAR ON SUITABLE MATERIAL. OVER-EXCAVATIONS ARE TO BE FILLED WITH LEAN CONCRETE OR CONTROLLED-DENSITY FLOWABLE FILL UP THE PLANNED BOTTOM OF FOOTING ELEVATION. PLACE NO CONCRETE PRIOR TO INSPECTION AND APPROVAL OF BEARING SURFACES BY SOILS ENGINEER.
5. BOTTOM OF FOOTINGS ARE TO BE AT LEAST 32-INCHES BELOW THE ADJACENT EXTERIOR FINISHED GRADE FOR FROST PROTECTION.
6. KEEP FOUNDATIONS FREE OF WATER AT ALL TIMES. REPLACE WEAKENED SOIL WITH LEAN CONCRETE OR FLOWABLE FILL.
7. ELEVATIONS SHOWN ON FOOTINGS INDICATE ELEVATION AT TOP OF FOOTING. REFERENCE ELEVATION/TOP OF CONCRETE SLAB ELEVATION AS NOTED ON PLANS. COORDINATE ABSOLUTE ELEVATION OF TOP OF SLAB WITH SITE DRAWINGS.
8. PROVIDE CORNER BARS AT ALL FOOTING AND CONCRETE WALL INTERSECTIONS PER DETAIL 5/S2.1.
9. SEE FRAMING PLANS FOR LOCATIONS OF WOOD PANEL AND GYPSUM SHEATHED SHEARWALLS. SEE SHEARWALL SCHEDULE FOR END ANCHORAGE REQUIREMENTS AND SECTION 6/S2.1 FOR ANCHOR BOLTS AND ADDITIONAL REINFORCING TO BE PLACED DURING FOUNDATION CONSTRUCTION.
10. SEE SECTION 7/S2.1 FOR TYPICAL OUTDOOR MECHANICAL EQUIPMENT PADS.
11. SEE SHEET S0.1 FOR GENERAL STRUCTURAL INFORMATION.

SLAB NOTES

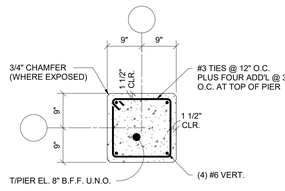
1. SLAB CONSTRUCTION:
   4" CONCRETE SLAB ON GRADE W/ 6x6 W2.9/W2.9 WWF, OVER 15-MIL VAPOR BARRIER, OVER 4" COMPACTED STONE SUBBASE.
2. INDICATES SLAB CONTROL/CONSTRUCTION JOINT PER SECTION 8/S2.1. CONTROL JOINTS ARE TO BE LOCATED IN AREAS SHOWN AT A SPACING NOT TO EXCEED 12'-0" O.C. UNLESS DIMENSIONED OTHERWISE.
3. REFER TO DIVISION 31 SPECIFICATIONS FOR DEPTH AND PLACEMENT OF DRAINAGE FILL AND DIVISION 3 FOR VAPOR BARRIER OR RETARDER BELOW SLABS ON GRADE.
4. W.R.E MESH AND/OR STEEL REINFORCING IS TO BE SUPPORTED DURING CONCRETE PLACEMENT ON CHAIRS OR BOLSTERS AT MID-DEPTH OF SLAB. MESH AND/OR STEEL REINFORCING IS NOT TO BE PULLED INTO PLACE DURING CONCRETE PLACEMENT.
5. SEE ARCHITECTURAL, STRUCTURAL, AND/OR CIVIL PLANS FOR FINISHED FLOOR ELEVATIONS. COORDINATE TOP OF SLAB ELEVATION WITH THICKNESS OF ARCHITECTURAL FINISHED FLOOR PRODUCTS.
6. SEE SHEET S0.1 FOR GENERAL STRUCTURAL INFORMATION.

CONT. WALL FOOTING SCHEDULE

MARK	SIZE	REINFORCING
F24	2'-0" x 1'-0" DP.	(2) #5 CONT. BOT.
TS24	2'-0" x 1'-0" DP.	(2) #5 CONT. BOT.

SPREAD FOOTING SCHEDULE

MARK	SIZE	REINFORCING
F3.0	3'-0" x 3'-0" x 1'-0" DP.	(3) #5 EA. WAY BOT.



PIER P1

STATE OF OHIO
STANLEY N. FULLER
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REGISTERED PROFESSIONAL ENGINEER

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NEW BUILDINGS FOR

ARCANUM BOOSTER STADIUM PHASE III IMPROVEMENTS

310 NORTH MAIN STREET, ARCANUM, OHIO 45304

ISSUANCES/REVISIONS

	CONSTRUCTION DOCUMENTS	01/06/2026

PROJECT NUMBER:	DRAWN BY:	CHECKED BY:
23047.03	JPK (R2S)	SNF

SHEET TITLE:

FOUNDATION PLAN

SHEET NUMBER:

S1.1

PRINTED ON: 1/7/2026 11:10:38 AM

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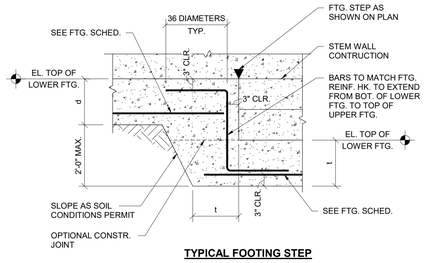
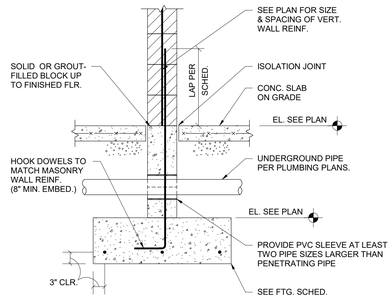


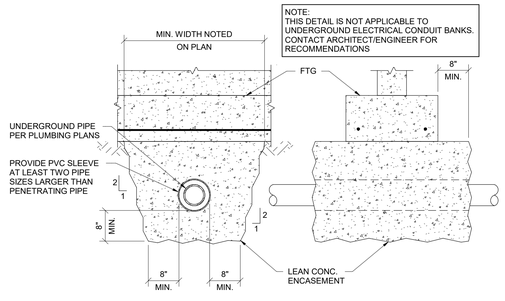
TYPICAL FOOTING STEP

SECTION 1 — 3/4" = 1'-0"



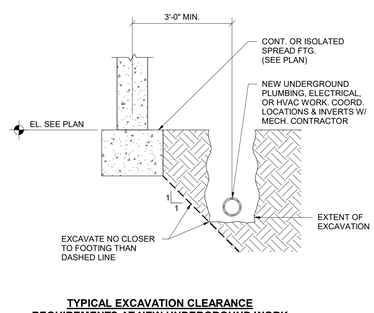
TYPICAL PLUMBING THROUGH STEMWALL

SECTION 2 — 3/4" = 1'-0"



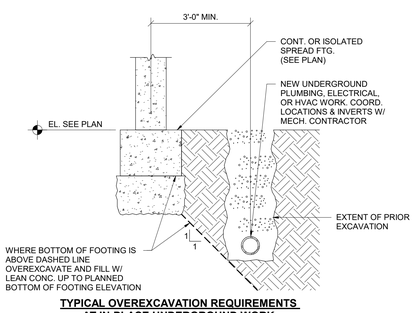
TYPICAL PLUMBING UNDER FOOTING

SECTION 3 — 3/4" = 1'-0"



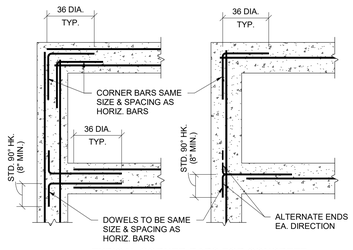
TYPICAL EXCAVATION CLEARANCE REQUIREMENTS AT NEW UNDERGROUND WORK

SECTION 4 — 3/4" = 1'-0"



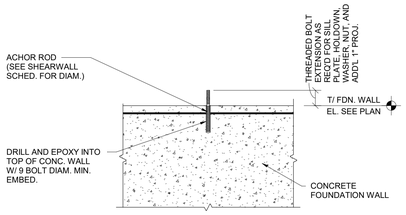
TYPICAL OVEREXCAVATION REQUIREMENTS AT IN-PLACE UNDERGROUND WORK

SECTION 4 — 3/4" = 1'-0"



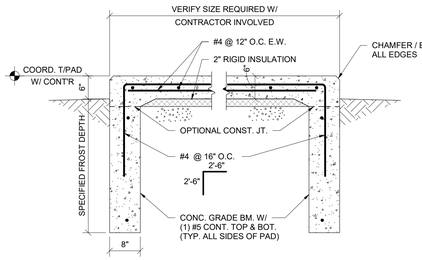
TYPICAL CORNER BARS FOR CONCRETE WALL AND FOOTING CONSTRUCTION

SECTION 5 — 3/4" = 1'-0"



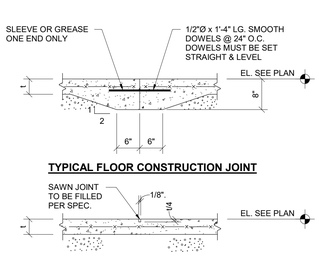
SHEARWALL ANCHOR BOLT

SECTION 6 — 3/4" = 1'-0"



TYPICAL EXTERIOR EQUIPMENT PAD

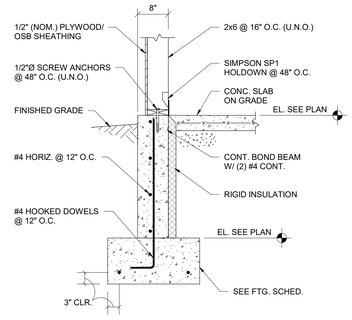
SECTION 7 — 3/4" = 1'-0"



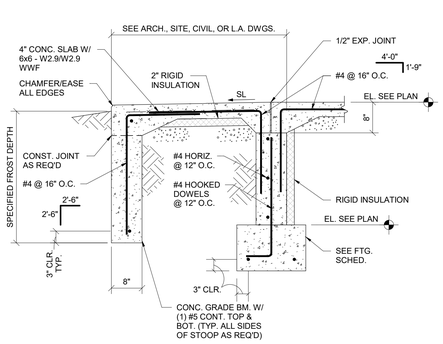
TYPICAL FLOOR CONSTRUCTION JOINT

TYPICAL FLOOR CONTROL JOINT

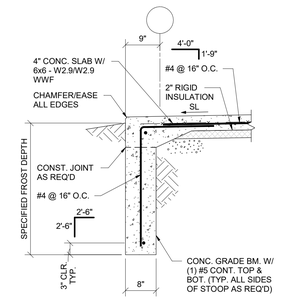
SECTION 8 — 3/4" = 1'-0"



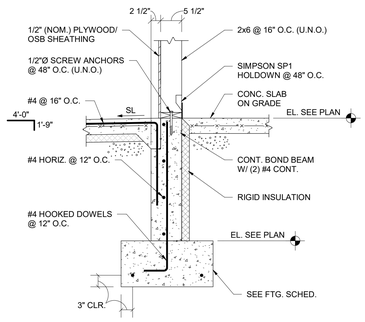
SECTION 9 — 3/4" = 1'-0"



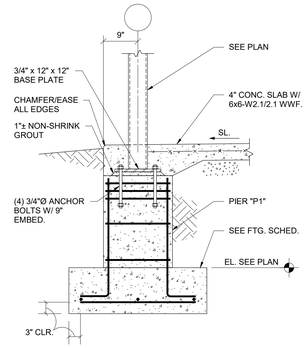
SECTION 10 — 3/4" = 1'-0"



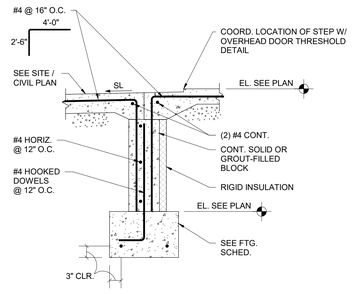
SECTION 11 — 3/4" = 1'-0"



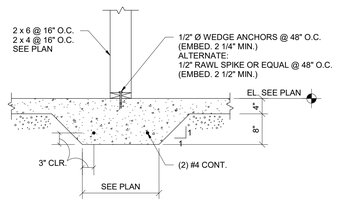
SECTION 12 — 3/4" = 1'-0"



SECTION 13 — 3/4" = 1'-0"



SECTION 14 — 3/4" = 1'-0"



SECTION 15 — 3/4" = 1'-0"

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NEW BUILDINGS FOR
ARCANUM BOOSTER STADIUM PHASE III IMPROVEMENTS
310 NORTH MAIN STREET, ARCANUM, OHIO 45304

ISSUANCES/REVISIONS

CONSTRUCTION DOCUMENTS	01/06/2026

PROJECT NUMBER:	DRAWN BY:	CHECKED BY:
23047.03	JPK (R25)	SNF

SHEET TITLE:

FOUNDATION DETAILS

SHEET NUMBER:

S2.1

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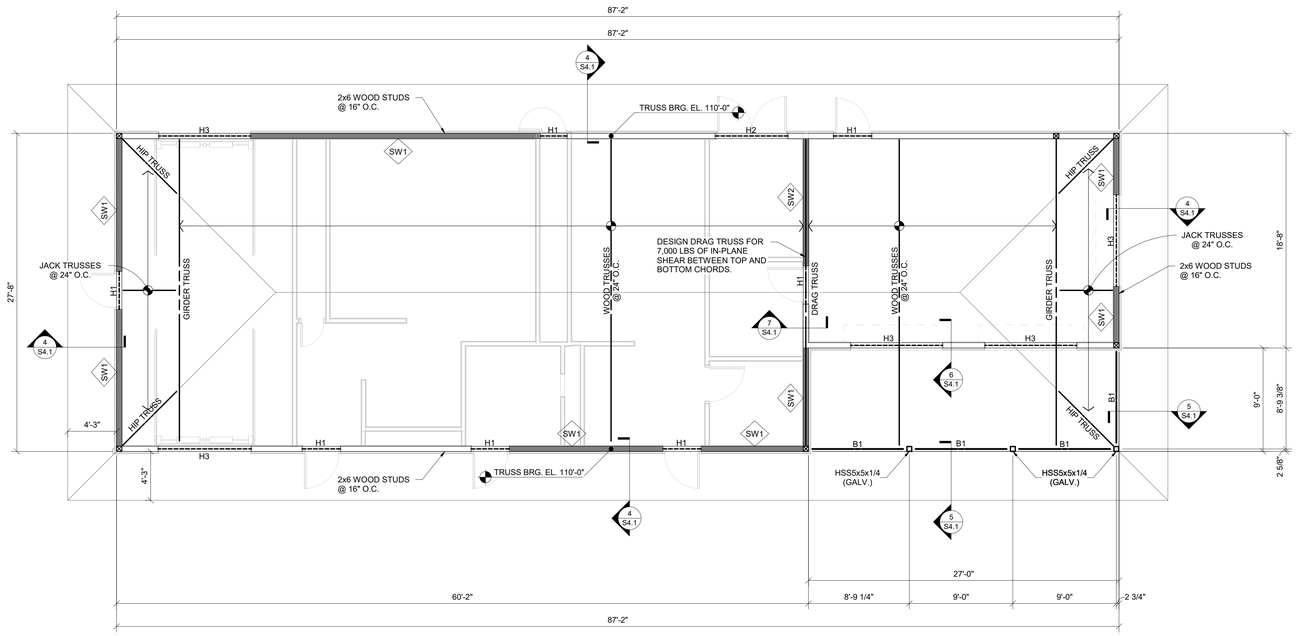

ROOF FRAMING PLAN

3/16" = 1'-0"

ROOF FRAMING NOTES

1. DESIGN LIVE/SNOW LOADS:
   ROOF LIVE/SNOW 20 PSF
2. ROOF CONSTRUCTION:
   5/8" NOMINAL APA RATED SHEATHING, EXPOSURE 1, WITH A 40/20 MINIMUM SPAN RATING. PROVIDE 10d COMMON NAILS AT 6" O.C. AT ALL PANEL EDGES AND AT 12" O.C. AT ALL INTERMEDIATE SUPPORTS UNLESS NOTED OTHERWISE. PANEL EDGES NEED NOT BE BLOCKED UNLESS NOTED OR DETAILED OTHERWISE.
3. ⊠ INDICATES ROOF OPENING. COORDINATE EXACT SIZE AND LOCATION WITH THE APPROPRIATE TRADE CONTRACTOR(S). NOT ALL OPENINGS ARE SHOWN ON THE STRUCTURAL DRAWINGS. SEE SECTION 3/S4.1 FOR FRAMING OF ALL OPENINGS EQUAL TO OR GREATER THAN 12" SQUARE OR DIAMETER. SIZE OF OPENING IS NOT TO EXCEED THE TYPICAL CLEAR DISTANCE BETWEEN FRAMING MEMBERS OR TRUSSES. NOTIFY THE ARCHITECT BEFORE PROCEEDING IF OPENINGS CANNOT BE FIT BETWEEN FRAMING MEMBERS.
4. B(x) INDICATES WOOD BEAM PER SCHEDULE. SEE BEAM SCHEDULE FOR SIZES, HOLDOWNS, AND APPLICATION NOTES. BEAMS MARKED AS "-fr(x)" ARE TO BE FIRE RATED.
5. SEE ARCHITECTURAL DRAWINGS FOR ANY DIMENSIONS NOT INDICATED HEREIN.
6. TRUSSES ARE TO BE DESIGNED FOR A 250 POUND CONCENTRATED LOAD SHOWN APPLIED ANYWHERE ALONG THE BOTTOM CHORD OF THE SPAN. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO LIMIT THE TOTAL LOAD HANGING FROM THE TRUSS TO THIS AMOUNT.
7. COORDINATE THE LOCATION OF ALL TRUSSES WITH ARCHITECTURAL PARTITION WALLS BELOW. DO NOT INSTALL TRUSSES DIRECTLY OVER A PARALLEL WALL BELOW, UNLESS NOTED OTHERWISE.
8. WHERE NOTED, DESIGN TRUSSES FOR THE HORIZONTAL SHEAR TRANSFER SHOWN BETWEEN THE TOP AND BOTTOM CHORD. PROVIDE CLIPS AS REQUIRED TO TRANSFER FULL HORIZONTAL LOAD INTO THE STRUCTURE.
9. SEE SHEET S0.1 FOR GENERAL STRUCTURAL INFORMATION.

WOOD STUD WALL NOTES

1. TYPICAL EXTERIOR WALL SHEATHING:
   1/2" NOMINAL APA RATED SHEATHING, EXPOSURE 1, WITH A WALL-24 MINIMUM SPAN RATING. PROVIDE 8d COMMON NAILS AT 6" O.C. AT ALL PANEL EDGES AND 12" O.C. AT ALL INTERMEDIATE SUPPORTS UNLESS NOTED OTHERWISE. ALL PANEL EDGES ARE TO BE FULLY BLOCKED AND NAILED AT SHEAR WALL LOCATIONS UNLESS NOTED OTHERWISE.
2. TYPICAL INTERIOR WALL SHEATHING:
   5/8" GYPSUM WALLBOARD. PROVIDE 6d COOLER NAILS AT 7" O.C. AROUND ALL PANEL EDGES AND AT 7" O.C. FOR ALL INTERMEDIATE SUPPORTS OR PROVIDE No. 6 x 1-1/4" TYPE S OR W SCREWS AT 8" O.C. AROUND ALL PANEL EDGES AND AT 12" O.C. FOR ALL INTERMEDIATE SUPPORTS UNLESS NOTED OR SCHEDULED OTHERWISE. ALL PANEL EDGES ARE TO BE FULLY BLOCKED AT SHEAR WALL LOCATIONS UNLESS NOTED OTHERWISE.
3. H(x) INDICATES OPENING HEADER PER SECTION 1/S4.1. SEE ARCHITECTURAL DRAWINGS FOR LOCATION, EXTENT, AND ELEVATION OF ALL OPENINGS. SEE HEADER SCHEDULE FOR SIZES AND SUPPORT REQUIREMENTS.
4. ⊠ INDICATES WOOD COLUMN. PROVIDE A MINIMUM OF THREE FULL-HEIGHT STUDS AT ALL BEAMS, HEADERS, AND GIRDER TRUSSES UNLESS NOTED OR SCHEDULED OTHERWISE.
5. SW# INDICATES WOOD PANEL OR GYPSUM BOARD SHEARWALL. SEE SHEARWALL SCHEDULE FOR SHEAR PANEL TYPE, FASTENING, BLOCKING, AND ANCHORAGE REQUIREMENTS.
6. WALL STUDS ARE TO EXTEND CONTINUOUS FOR FULL HEIGHT OF WALL UNLESS NOTED OTHERWISE. WHERE STUDS ARE INTERRUPTED BY OPENING IN WALL (WIDOW, LOUVER, ETC.) PROVIDE ONE FULL-HEIGHT KING STUD AT EACH JAMB FOR EACH 2'-0" OF OPENING WIDTH.
7. PROVIDE STUD BLOCKING AT 8'-0" O.C. FOR ALL EXTERIOR WALLS, INTERIOR BEARING WALLS, AND ALL WALL FRAMING WHICH IS NOT SHEATHED ON EACH SIDE OF THE WALL.
8. LAP STUD WALL TOP PLATE PER SECTION 2/S4.1.
9. ALL WALL DIMENSIONS SHOWN ARE TO FACE OF STUD.
10. SEE SHEET S0.1 FOR GENERAL STRUCTURAL INFORMATION.

WOOD BEAM SCHEDULE

MARK	SIZE	HOLDOWNS (LOCATE EA. END)	ADDITIONAL REQUIREMENTS
B1	(3) 2x12	(2) H2.5A	-

WOOD BEAM SCHEDULE NOTES:

1. SEE PLAN FOR COLUMN/SUPPORT POST SIZE.
2. BEAMS SHALL BEAR FULLY ON SUPPORT POSTS WITH POST CAP OR BLOCK ENDS TO RESTRAIN BEAM FROM ROTATION.
3. SEE GENERAL STRUCTURAL NOTES FOR MINIMUM LUMBER GRADES FOR BEAM FRAMING, U.N.O.
4. SEE GENERAL STRUCTURAL NOTES FOR MINIMUM STRUCTURAL COMPOSITE LUMBER DESIGN VALUES.

WOOD HEADER SCHEDULE

MARK	SIZE	HOLDOWNS (LOCATE EA. END)	JACK STUDS	KING STUDS	ADDITIONAL REQUIREMENTS
H1	(3) 2x6	(2) H2.5A	(1) 2x6	(2) 2x6	-
H2	(3) 2x8	(2) H2.5A	(1) 2x6	(3) 2x6	-
H3	(3) 2x10	(2) H2.5A	(2) 2x6	(3) 2x6	-

HEADER SCHEDULE NOTES:

1. JACK AND KING STUDS SHALL MATCH WALL FRAMING SIZE AND SPECIES OF DESIGNATED STUD WALLS THEY ARE INTEGRAL WITH, U.N.O.
2. SEE GENERAL STRUCTURAL NOTES FOR MINIMUM LUMBER GRADES FOR HEADER FRAMING, U.N.O.
3. SEE GENERAL STRUCTURAL NOTES FOR MINIMUM STRUCTURAL COMPOSITE LUMBER DESIGN VALUES.
4. PROVIDE 'H1' HEADER FOR ALL OPENINGS NOT DESIGNATED ON THE FRAMING PLANS.

SHEARWALL SCHEDULE

MARK	SHEATHING PANEL	PANEL APPLICATION	SHEATHING PANEL FASTENING			HORIZONTAL PANEL EDGE BLOCKING	SOLE PLATE ANCHORAGE	SHEARWALL BOUNDARY END STUDS/POSTS	HOLDOWNS (LOCATE EA. END)	ADDITIONAL REQUIREMENTS
			FASTENER	PANEL EDGES	PANEL FIELD					
SW1	7/16" APA RATED	ONE SIDE	8d COMMON	6"	12"	YES	1/2"ø ANCHOR BOLTS @ 16" O.C.	2	HDU2-SDS2.5 W/ 5/8"Ø EPOXY ANCHOR	-
SW2	5/8" GYPSUM	BOTH SIDES	6d COOLER	4"	7"	YES	1/2"ø ANCHOR BOLTS @ 32" O.C.	2	HDU4-SDS2.5 W/ 5/8"Ø EPOXY ANCHOR	-

SHEARWALL SCHEDULE NOTES:

1. 'APA RATED' SHEATHING INCLUDES PLYWOOD OR ORIENTED STRAND BOARD (OSB) MATERIALS AS RATED BY THE AMERICAN PLYWOOD ASSOCIATION (APA).
2. ALL VERTICAL PANEL EDGES AND HORIZONTAL TOP AND BOTTOM EDGES SHALL BE LOCATED ON STUDS, PLATES, OR RIM BOARDS. INTERIOR HORIZONTAL PANEL EDGES NEED NOT BE BLOCKED UNLESS INDICATED.
3. FASTENER SUBSTITUTIONS ARE NOT PERMITTED, UNLESS APPROVED ENGINEER REVIEW IS COMPLETED AT CONTRACTOR'S EXPENSE.
4. PROVIDE SIMPSON BPS6/8-6 PLATE WASHERS AT ALL SILL PLATE ANCHORS ATTACHING BOTTOM OF SHEAR WALL TO FOUNDATION OR CONCRETE SLAB. NEAREST EDGE OF PLATE WASHERS SHALL BE LOCATED NO FARTHER THAN 1/2-INCH FROM INSIDE FACE OF SHEAR WALL SHEATHING.
5. COORDINATE SOLE PLATE ANCHORAGES WITH TYPICAL CONSTRUCTION DETAILS INDICATED THROUGHOUT STRUCTURAL DRAWINGS.
6. ALL SHEARWALL TOP PLATES MUST BE A MINIMUM OF TWO IN NUMBER, HAVE STAGGERED SPLICED LOCATIONS, AND OCCUR OVER STUD LOCATIONS.
7. ALL HOLDOWNS INDICATED ARE MANUFACTURED BY SIMPSON STRONG TIE®. FOLLOW ALL MANUFACTURER'S RECOMMENDED INSTALLATION INSTRUCTIONS.
8. 'BOUNDARY END STUDS' ARE STUD PACKS OR COLUMNS LOCATED AT THE EACH END OF SHEARWALLS. STUDS SHALL BE OF SAME SIZE AND MATERIAL WITH THE WALL THEY ARE INTEGRAL WITH. SEE GENERAL STRUCTURAL NOTES FOR MINIMUM 'PSL' MATERIAL STANDARDS.
9. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONAL LENGTHS OF ALL WALLS INDICATED AS SHEARWALLS. LOCATE BOUNDARY END STUDS/POSTS AT THE END OF WALLS MARKED AS SHEAR WALLS. SEE DETAIL BLOW UPS OF WALL INTERSECTIONS AND LOCATION OF STUD/POSTS.

STATE OF OHIO
STANLEY N. FULLER
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REGISTERED PROFESSIONAL ENGINEER

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SHEET TITLE:

FRAMING PLAN

SHEET NUMBER:

S3.1

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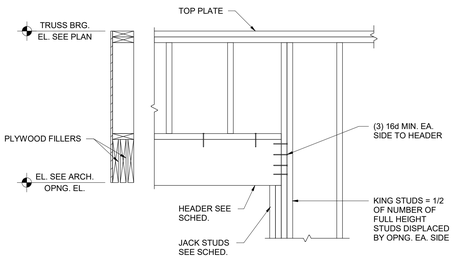
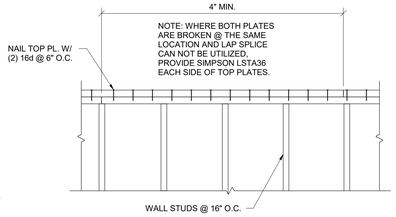


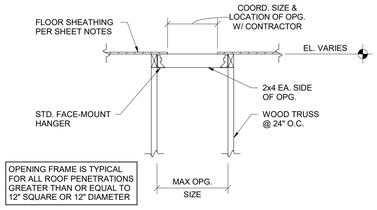
TYPICAL WOOD HEADER CONSTRUCTION

SECTION 1 — 3/4" = 1'-0"



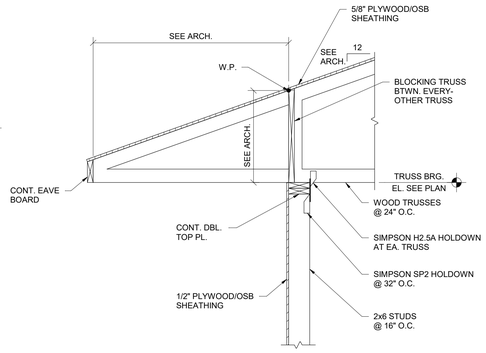
TYPICAL SHEARWALL-TOP PLATE SPLICE

SECTION 2 — 3/4" = 1'-0"

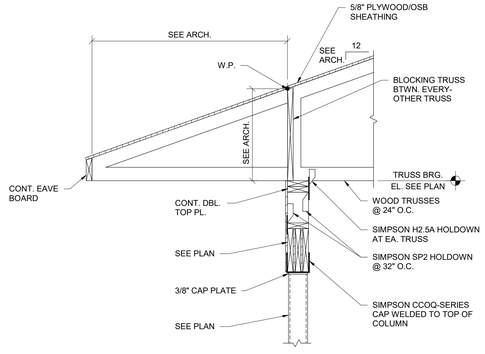


TYPICAL ROOF OPENING BETWEEN WOOD TRUSSES

SECTION 3 — 3/4" = 1'-0"



SECTION 4 — 3/4" = 1'-0"



SECTION 5 — 3/4" = 1'-0"

SECTION 6 — 3/4" = 1'-0"

SECTION 7 — 3/4" = 1'-0"

STATE OF OHIO
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23047.03	JPK (RZS)	SNF

SHEET TITLE:

FRAMING DETAILS

SHEET NUMBER:

S4.1

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- NOTE:

	ABBREVIATIONS USED ON THE CONTRACT DOCUMENTS, INCLUDE BUT ARE NOT LIMITED TO THOSE LISTED BELOW.

- CHARACTERS

&	AND
Ø	DIAMETER/ROUND

A

A	AIR
AB	ABOVE BASE
ABV	ABOVE
AC	AIR CONDITIONING
ACOUS	ACOUSTICAL
AD	AREA DRAIN
ADD	ADDENDUM
ADDL	ADDITIONAL
AFF	ABOVE FINISHED FLOOR
AFUE	ANNUAL FUEL UTILIZATION EFFICIENCY
AG	ABOVE GROUND
ALT	ALTERNATE
AP	ACCESS PANEL
APPROX	APPROXIMATE
ARCH	ARCHITECT/ARCHITECTURAL
AUTO	AUTOMATIC
AV	ACID RESISTANT VENT
AW	ACID RESITANT WASTE

B

BFF	BELOW FINISHED FLOOR
BLDG	BUILDING
BLW	BELOW
BO	BY OTHER
BOT	BOTTOM
BSMT	BASEMENT
BTU	BRITISH THERMAL UNITS
BTUH	BRITISH THERMAL UNITS PER HOUR
BTWN	BETWEEN

C

CAP	CAPACITY
CB	CATCH BASIN
CCW	COUNTER CLOCKWISE
CFCV	CONSTANT FLOW CONTROL VALVE
CFM	CUBIC FEET PER MINUTE
CHW	CIRCULATING HOT WATER
CI	CAST IRON
CLG	CEILING/COOLING
CO	CLEAN OUT
COL	COLUMN
COMB	COMBINATION
CONC	CONCRETE
COND	CONDENSATE
CONF	CONFERENCE
CONN	CONNECT
CONST	CONSTRUCTION
CONT	CONTINUE/CONTINUATION
CONTR	CONTRACT/CONTRACTOR
COORD	COORDINATE
CTR	CENTER
CUFT	CUBIC FEET
CV	CHECK VALVE
CW	COLD WATER
CW	CLOCKWISE

D

D	DEGREE
DB	DRY BULB
DET	DETAIL
DI	DEIONIZED WATER
DIA	DIAMETER
DISCH	DISCHARGE
DIV	DIVISION
DMPR	DAMPER
DN	DOWN
DW	DISTILLED WATER
DWG	DRAWING

E

E/A	EXHAUST AIR
EA	EACH
EAT	ENTERING AIR TEMPERATURE
EL	ELBOW
ELEC	ELECTRICAL
ELEV	ELEVATION
EP	EXPLOSION PROOF
EQ	EQUAL
EQUIP	EQUIPMENT
EWC	ELECTRIC WATER COOLER
EWT	ENTERING WATER TEMPERATURE
EXIST	EXISTING
EXP	EXPANSION JOINT
EXT	EXTERIOR

F

F	DEGREES FAHRENHEIT
FCO	FLOOR CLEAN OUT
FD	FLOOR DRAIN/FIRE DAMPER
FDV	FIRE DEPARTMENT VALVE
FHC	FIRE HOSE CABINET
FL	FLOOR
FLEX	FLEXIBLE
FLG	FLANGE
FO	FUEL OIL
FOR	FUEL OIL RETURN
FOS	FUEL OIL SUPPLY
FOV	FUEL OIL VALVE
FPM	FEET PER MINUTE
FRP	FIBERGLASS REINFORCED PIPE
FS	FULL SIZE/FLOOR SINK
FT	FOOT/FEET
FTG	FOOTING
FTR	FIN TUBE RADIATION
FUT	FUTURE

G

GA	GAGE/GAUGE
GAL	GALLON
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GEN	GENERATOR
GENL	GENERAL
GPM	GALLONS PER MINUTE
GR	GRADE
GW	GREASE WASTE

H

HB	HOSE BIB
HD	HEAD
HORZ	HORIZONTAL
HP	HORSE POWER/HIGH PRESSURE
HTG	HEATING
HTR	HEATER
HW	HOT WATER
HYD	HYDRANT

I

ID	INDIRECT
IN	INCH
INL	INLET
INSUL	INSULATION
INT	INTERIOR
INV	INVERT
INWG	INCHES WATER GAUGE

J

JST SPC	JOIST SPACE
JT	JOINT

L

LAB	LABORATORY
LAT	LEAVING AIR TEMPERATURE
LB	POUND
LB/HR	POUNDS PER HOUR
LF	LINEAL FOOT
LP	LOW PRESSURE
LPG	LIQUEFIED PERTOLEUM GAS
LR	LIQUID REFRIGERANT
LVR	LOUVER
LWT	LEAVING WATER TEMPERATURE

M

M/A	MIXED AIR
MAN	MANUAL
MATL	MATERIAL
MAV	MANUAL AIR VENT
MAX	MAXIMUM
MBD	MOTORIZED BYPASS DAMPER
MBH	ONE THOUSAND BTU PER HOUR
MCF	ONE THOUSAND CUBIC FEET
MCW	MAKE-UP COLD WATER
MD	MOTORIZED DAMPER
MECH	MECHANICAL
MFR	MANUFACTURER
MH	MANHOLE
MIN	MOTORIZED BYPASS DAMPER
MISC	MISCELLANEOUS
MTR	MOTOR
MU/A	MAKE-UP/AIR

N

N	NECK
NC	NOISE CRITERIA/NORMALLY CLOSED
NIC	NOT IN CONTRACT
NO	NUMBER/NORMALLY OPEN
NOM	NOMINAL
NTS	NOT TO SCALE

O

O	OXYGEN
O/A	OUTSIDE AIR
OC	ON CENTER
OF	OVERFLOW
OPNG	OPENING
ORD	OVERFLOW ROOF DRAIN

P

PD	PRESSURE DROP
PIV	POST INDICATOR VALVE
PLBG	PLUMBING
PR	PAIR
PREL	PRELIMINARY
PRESS	PRESSURE
PRIM	PRIMARY
PRV	PRESSURE REDUCING VAL
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH GAUGE
PW	POTABLE WATER
PWR	POWER

R

R	DUCT RISER
R/A	RETURN AIR
RCP	RADIANT CEILING PANEL
RD	ROOF DRAIN
REC	RECESSED
RED	REDUCER
REFR	REFRIGERATION
REQD	REQUIRED
REV	REVERSE
RH	RELATIVE HUMIDITY
RL/A	RELIEF AIR
RM	ROOM
RPM	REVOLUTIONS PER MINUTE
RW	RAIN WATER

S

S/A	SUPPLY AIR
SAN	SANITARY
SCHED	SCHEDULE
SD	SMOKE DAMPER
SECT	SECTION
SF	SQUARE FOOT
SHT	SHEET
SIM	SIMILAR
SLV	SLEEVE
SM	SURFACE MOUNT
SP	STANDPIPE/STATIC PRESSURE
SPEC	SPECIFICATION
SPS	STATIC PRESSURE STATION
SQ	SQUARE
SR	SUCTION REFRIGERANT
SS	STAINLESS STEEL
SSD	SOIL SUBDRAIN
STD	STANDARD
STM	STEAM
STRUCT	STRUCTURAL
SUCT	SUCTION
SUSP	SUSPENDED

T

T	THERMOSTAT
TCP	TEMPERATURE CONTROL PANEL
TD	TEMPERATURE DROP
TDR	TRENCH DRAIN
TEFC	TOTALLY ENCLOSED FAN COOLED
TEMP	TEMPERATURE
TYP	TYPICAL

U

UFD	UNDER FLOOR DUCT
UG	UNDERGROUNG

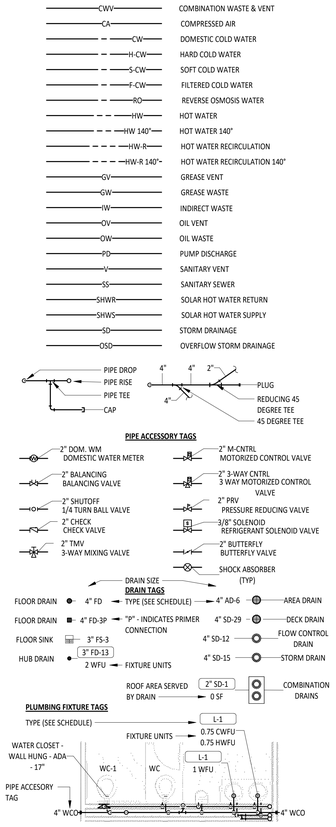
V

V	VENT
VAV	VARIABLE AIR VOLUME
VEL	VELOCITY
VENT	VENTILATION
VERT	VERTICAL
VOL	VOLUME
VTR	VENT THROUGH ROOF

W

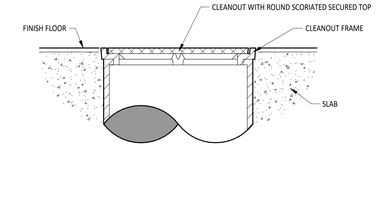
W	WASTE
WB	WET BULB
WCO	WALL CLEAN OUT
WH	WALL HYDRANT

ABBREVIATIONS

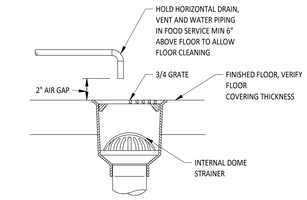


1 P1.1 **PLUMBING AND PIPING SYMBOLS**
1/8" = 1'-0"

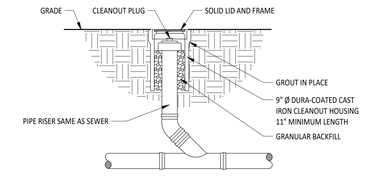
6 P1.1 **GENERAL PLUMBING SYMBOLS**
1/8" = 1'-0"



2 P1.1 **CLEANOUT - FLUSH WITH FINISH FLOOR**
NTS

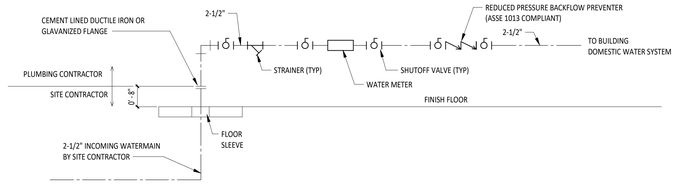


3 P1.1 **FLOOR SINK DETAIL**
NTS

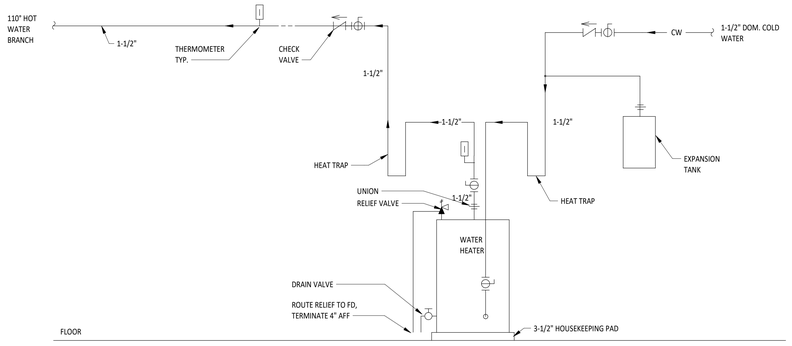


NOTE:
RODDING HOLES SHALL BE LOCATED ON ALL SANITARY AND STORM SEWERS LEAVING THE BUILDING AT 5'-0" OUTSIDE OF THE BUILDING WALL, AT THE ENDS OF THE SEWERS, AND AS SHOWN ON THE PLANS.

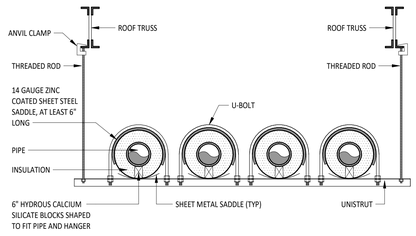
4 P1.1 **"RH" RODDING HOLE DETAIL**
NTS



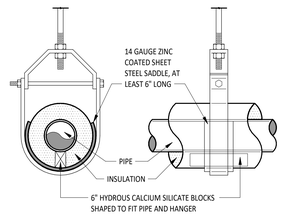
5 P1.1 **INCOMING WATERMAIN DETAIL**
NTS



9 P1.1 **WATER HEATER PIPING DETAIL**
NTS



7 P1.1 **PLUMBING PIPE HANGER DETAIL**
NTS



8 P1.1 **PIPE HANGER - CLEVIS - 6" AND SMALLER**
NTS

PLUMBING SHEET INDEX

SHEET NUMBER	SHEET NAME
P1.1	GENERAL NOTES, ABBREVIATIONS, LEGENDS, AND SHEET INDEX
P2.1	PLUMBING PLAN - CONCESSION
P4.1	PLUMBING SCHEDULES AND SANITARY ISOMETRIC

PLUMBING GENERAL NOTES

A PROVIDE TRAP PRIMERS FOR FLOOR DRAINS SERVING MECHANICAL ROOMS, MECHANICAL DECKS, EMERGENCY SHOWERS, KITCHEN FLOOR DRAINS, AND AS REQUIRED BY CODE. SUPPLY NEAREST COLD WATER PIPING CONNECTED TO A FLUSH VALVE OR SOLENOID VALVE. SUPPLY PIPING SHALL BE 1/2" VALVED COLD WATER LINE. REFERENCE DETAIL FOR ADDITIONAL INFORMATION.

B VERIFY INVERT ELEVATIONS ON UNDERGROUND SANITARY AND STORM PIPING. COORDINATE DEPTHS WITH THE BUILDING CONSTRUCTION AND ALL OTHER UTILITIES.

C ALL SANITARY AND VENT PIPING IN CHASE EXPOSED TO THE PLENUM AND ABOVE CEILING WHERE PLENUM IS USED FOR RETURN AIR SHALL BE CAST IRON. REFERENCE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

D ALL FINAL GAS CONNECTIONS SHALL BE MADE WITH FLEXIBLE STAINLESS STEEL PIPE OR RIDGED PIPE WITH UNION, SHUT-OFF VALVE AND DIRT LEG. REFERENCE DETAIL FOR ADDITIONAL INFORMATION.

E ALL KITCHEN SANITARY PIPING NOTED WITH "GI" SHALL BE SLOPED AT 1/4" PER FOOT FROM KITCHEN EQUIPMENT TO THE GREASE INTERCEPTOR.

F PITCH UNDERFLOOR SANITARY WASTE AND STORM PIPING 3" AND GREATER AT 1/8" PER FOOT, UNLESS NOTED OTHERWISE. PITCH ALL OTHER WASTE PIPING AT 1/4" PER FOOT UNLESS OTHERWISE NOTED.

G FIELD VERIFY LOCATION AND INVERTS OF SITE UTILITIES PRIOR TO INSTALLATION.

H ROUTE DOMESTIC WATER, FIRE PROTECTION, SANITARY SEWER, AND STORM SEWER SERVICES TO SITE UTILITIES 5'-0" FROM BUILDING UNLESS NOTED OTHERWISE. REFERENCE CIVIL PLANS.

I PROVIDE CLEANOUT IN ACCESSIBLE LOCATION AT THE BASE OF ALL PLUMBING RISERS.

J WHERE FLOOR DRAINS OCCUR WITHIN THE LIMITS OF CONSTRUCTION, PREVENT CONSTRUCTION DEBRIS FROM ENTERING DRAIN BODY BY SEALING DRAIN OPENING PRIOR TO START OF WORK.

K PROVIDE SLEEVES AND/OR OPENINGS TO RUN PIPES THROUGH FOUNDATIONS, FLOORS, WALLS, AND ROOF.

L FIELD VERIFY ALL NEW WATER, WASTE, AND VENT PIPING CONNECTIONS AND PROVIDE NEW CONNECTIONS AS REQUIRED FOR PROPERLY OPERATING SYSTEMS.

M WASTE AND VENT PIPING BELOW FLOOR AND THROUGH FLOOR SHALL BE 2" MINIMUM.

STATE OF OHIO
MATTHEW R. HIBNER
#1416052
REGISTERED ARCHITECT
MATTHEW R. HIBNER
LICENSE #1416052
EXPIRATION DATE: 12/31/2027

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NEW BUILDING FOR

ARCANUM BOOSTER STADIUM PHASE III IMPROVEMENTS

310 NORTH MAIN STREET, ARCANUM, OH 45304

ISSUANCES/REVISIONS

CD PHASE SUBMISSION	01/06/2026

PROJECT NUMBER:	DRAWN BY:	CHECKED BY:
23047.03	RAG	MAK

SHEET TITLE:

GENERAL NOTES, ABBREVIATIONS, LEGENDS, AND SHEET INDEX

SHEET NUMBER:

P1.1

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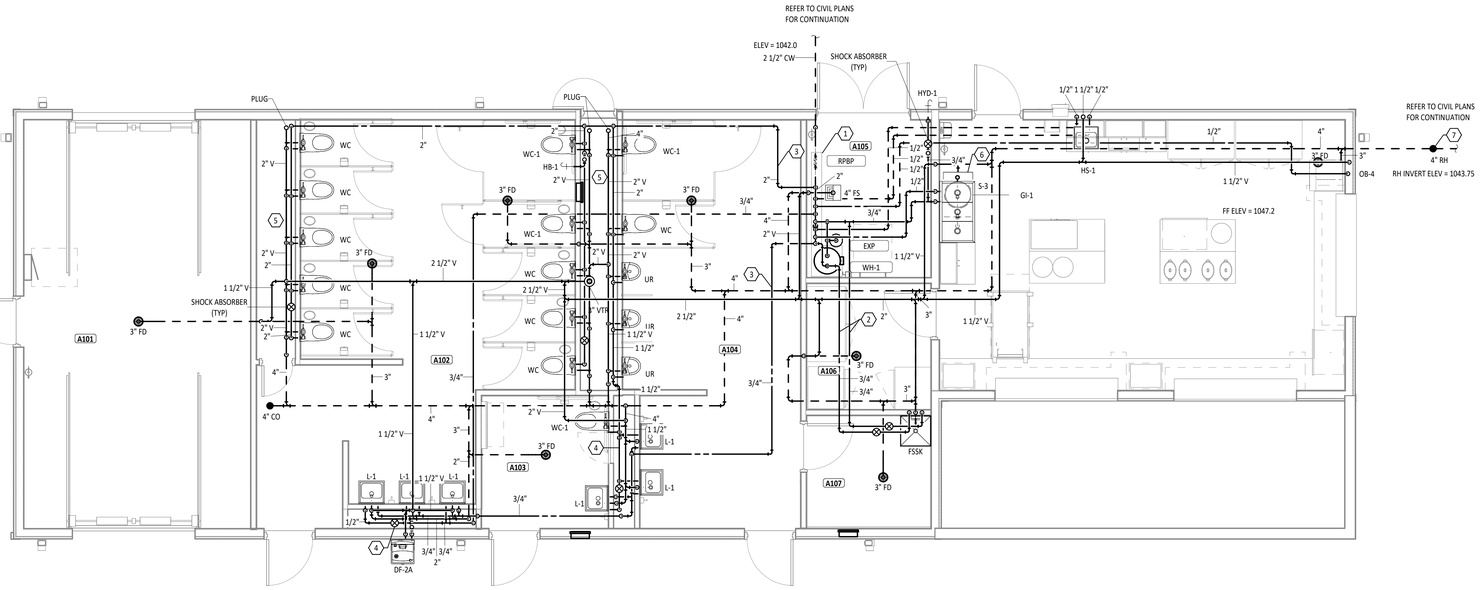

1 **PLUMBING PLAN - CONCESSION**
P2.1 1/4" = 1'-0"

PRINTED ON: 1/5/2026 3:32:07 PM

FIRST FLOOR PLAN ROOM INDEX - UNIT A

ROOM NUMBER	ROOM NAME	AREA
A101	STORAGE ROOM	394 SF
A102	WOMEN'S RESTROOM	431 SF
A103	FAMILY RESTROOM	72 SF
A104	MEN'S RESTROOM	297 SF
A105	MECHANICAL ROOM	83 SF
A106	STORAGE ROOM	67 SF
A107	JANITOR CLOSET	60 SF
A108	CONCESSION STAND	467 SF

PLUMBING GENERAL NOTES

A PROVIDE TRAP PRIMERS FOR FLOOR DRAINS SERVING MECHANICAL ROOMS, MECHANICAL DECKS, EMERGENCY SHOWERS, KITCHEN FLOOR DRAINS, AND AS REQUIRED BY CODE. SUPPLY NEAREST COLD WATER PIPING CONNECTED TO A FLUSH VALVE OR SOLENOID VALVE. SUPPLY PIPING SHALL BE 1/2" VALVED COLD WATER LINE. REFERENCE DETAIL FOR ADDITIONAL INFORMATION.

B VERIFY INVERT ELEVATIONS ON UNDERGROUND SANITARY AND STORM PIPING. COORDINATE DEPTHS WITH THE BUILDING CONSTRUCTION AND ALL OTHER UTILITIES.

C ALL SANITARY AND VENT PIPING IN CHASE EXPOSED TO THE PLENUM AND ABOVE CEILING WHERE PLENUM IS USED FOR RETURN AIR SHALL BE CAST IRON. REFERENCE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

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H ROUTE DOMESTIC WATER, FIRE PROTECTION, SANITARY SEWER, AND STORM SEWER SERVICES TO SITE UTILITIES 5'-0" FROM BUILDING UNLESS NOTED OTHERWISE. REFERENCE CIVIL PLANS.

I PROVIDE CLEANOUT IN ACCESSIBLE LOCATION AT THE BASE OF ALL PLUMBING RISERS.

J WHERE FLOOR DRAINS OCCUR WITHIN THE LIMITS OF CONSTRUCTION, PREVENT CONSTRUCTION DEBRIS FROM ENTERING DRAIN BODY BY SEALING DRAIN OPENING PRIOR TO START OF WORK.

K PROVIDE SLEEVES AND/OR OPENINGS TO RUN PIPES THROUGH FOUNDATIONS, FLOORS, WALLS, AND ROOF.

L FIELD VERIFY ALL NEW WATER, WASTE, AND VENT PIPING CONNECTIONS AND PROVIDE NEW CONNECTIONS AS REQUIRED FOR PROPERLY OPERATING SYSTEMS.

M WASTE AND VENT PIPING BELOW FLOOR AND THROUGH FLOOR SHALL BE 2" MINIMUM.

#	KEYNOTE DESCRIPTION
1	DIVISION 22 PLUMBING CONTRACTOR SHALL PROVIDE 3-1/2" CONCRETE HOUSEKEEPING PAD FOR PLACEMENT OF PLUMBING EQUIPMENT AND TO PROTECT DOMESTIC WATER PIPING GOING UNDERGROUND. COORDINATE WORK WITH GENERAL CONTRACTOR.
2	DOMESTIC WATER PIPING, VALVES, AND ACCESSORIES SHALL BE ROUTED EXPOSED BELOW STRUCTURE WITHIN THE MECHANICAL AND STORAGE ROOMS. ALL PIPING SERVING THE FIXTURES SHALL BE CONCEALED WITHIN THE WALL UNLESS IT IS AN EXTERIOR WALL THEN IT SHOULD BE ROUTED EXPOSED. COORDINATE PIPING INSTALLATION TO AVOID ROUTING OVER ELECTRICAL PANELS. COORDINATE WORK WITH THE GENERAL CONTRACTOR.
3	ROUTE UNDERGROUND COLD AND HOT DOMESTIC WATER PIPING IN FIELD TILE OR CONDUIT. STUB UP IN CHASES AS SHOWN. COORDINATE WORK WITH THE GENERAL CONTRACTOR.
4	INSTALL VALVES, SHOCK ABSORBERS, AND ACCESSORIES IN ACCESSIBLE LOCATION FROM ACCESS DOOR WITHIN PLUMBING CHASE. COORDINATE WORK WITH THE GENERAL CONTRACTOR.
5	INSTALL ALL PIPING SO CHASE IS ACCESSIBLE AND IS ABLE TO BE MAINTAINED. SLOPE ALL DOMESTIC WATER PIPING TO A DRAIN VALVE WITH HOSE CONNECTION TO ALLOW FOR DRAINAGE OF SYSTEM. COORDINATE WORK WITH GENERAL CONTRACTOR.
6	MOUNT GREASE INTERCEPTOR ON FLOOR UNDER SINK AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
7	COORDINATE INVERT WITH SITE CONTRACTOR TO ALLOW TIE-IN OF AN EXISTING BUILDING.

STATE OF OHIO
MATTHEW R. HIBNER
1416052
REGISTERED ARCHITECT

MATTHEW R. HIBNER
LICENSE #1416052
EXPIRATION DATE: 12/31/2027

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NEW BUILDING FOR
ARCANUM BOOSTER STADIUM PHASE III IMPROVEMENTS
331 NORTH MAIN STREET, ARCANUM, OH 45304

ISSUANCES/REVISIONS

CD PHASE SUBMISSION	01/06/2026

PROJECT NUMBER:	DRAWN BY:	CHECKED BY:
23047.03	RAG	MAK

SHEET TITLE:
PLUMBING PLAN - CONCESSION

SHEET NUMBER:
P2.1

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DOMESTIC FIXTURE SCHEDULE

ID	DESCRIPTION	MANUFACTURER	MODEL	QTY	MATERIAL DESCRIPTION	FINISH	MOUNTING HEIGHT	DEPTH	ADA	TRIM				FLOW FIXTURE				FLUSH FIXTURE		WASTE ROUGH-IN PIPE SIZE	INDIRECT WASTE PIPE SIZE	VENT PIPE SIZE	COLD WATER ROUGH-IN PIPE SIZE	HOT WATER ROUGH-IN PIPE SIZE	SPECIFICATION	REMARKS
										MANUFACTURER	MODEL	TYPE	MOTION SENSOR CONTROL	WATER FLOW	COLD WATER TEMP.	HOT WATER TEMP.	MAX. MIXED WATER TEMP.	VOL. PER FLUSH	MIN. VOL. PER FLUSH							
DF-2A	DRINKING FOUNTAIN W/ BOTTLE FILLER - ADA	ELKAY	LVRCGRN8WSK	1	STAINLESS STEEL CABINET	STAINLESS STEEL CABINET	36" TO SPOUT		Yes				No	0.13 GPM	40 °F		40 °F			2"	---	1-1/2"	1/2"		SINGLE LEVEL WALL HUNG WATER COOLER WITH BOTTLE FILLER. THE UNIT SHALL BE COMPLETE WITH CABINET, MOUNTING FRAME, ELECTRONIC BOTTLE FILLER SENSOR AND MECHANICAL FRONT BUBBLER BUTTON, VANDAL RESISTANT BUBBLER, 3000-GALLON FILTER KIT, AIR COOLED REFRIGERATING SYSTEM, 120 VOLT, 60 CYCLE, SINGLE PHASE POWER CONNECTION, FULLY AUTOMATIC, COMPLETE AND READY TO OPERATE.	
FSSK	FLOOR SERVICE SINK	ZURN	Z1996-24	1	MOLDED STONE	WHITE		0' - 10"	No	ZURN	Z843M1-XL	MANUAL	No	2.50 GPM	40 °F	120 °F	105 °F			---	3"	---	3/4"	3/4"	FLOOR SERVICE SINK: 24"x24"x10" BASIN, MOLDED HIGH DENSITY COMPOSITE BASIN, 3" DRAIN BODY WITH STAINLESS STEEL, 3" DRAIN AND CAST IRON TRAP, VINYL BUMPER GUARD, HOSE, HOSE BRACKET, MOP HANGER, AND STAINLESS STEEL WALL GUARDS. FAUCET: WALL MOUNTED, VANDAL RESISTANT COLOR CODED LEVER HANDELS, 6" SPOUT, WALL BRACE, PAIL HOOK, INTEGRAL SERVICE STOPS, CHECK STOPS AND ATMOSPHERIC VACUUM BREAKER SPOUT.	
HB-1	HOSE BIBB	ZURN	Z1330XL	1	STAINLESS STEEL	STAINLESS STEEL	0'-8" AFF					MANUAL	No	2.50 GPM	40 °F		40 °F						3/4"		INTERIOR HOSE BIBB WITH VACUUM BREAKER, 3/4" HOSE THREAD OUTLET, LOCK SHIELD CAP, AND REMOVABLE "TEE" HANDLE. PROVIDE SHUTOFF VALVE IN COLD WATER SUPPLY AHEAD OF HOSE BIBB.	
HS-1	HAND SINK	ZURN	LRAD151765	1	STAINLESS STEEL	STAINLESS STEEL		0' - 6 1/2"	Yes	ZURN	Z812B4-XL	MANUAL	No	0.50 GPM	40 °F	120 °F	105 °F			---	2"	---	1/2"	1/2"	SINGLE COMPARTMENT, DROP-IN, 18 GAUGE, WITH STRAINER, P-TRAP, TAILPIECES, SUPPLIES AND STOPS. FAUCET: 5-3/8: GOOSENECK, DUAL WRIST BLADE, DECK MOUNTED MANUAL FAUCET WITH 4" CENTERS. PRESSURE COMPENSATING PLAIN END 0.5 GPM	
HYD-1	EXTERIOR WALL HYDRANT	ZURN	Z1320XL	1	STAINLESS STEEL	STAINLESS STEEL	0'-8" AFF					MANUAL	No	2.50 GPM	40 °F		40 °F						3/4"		NON-FREEZE TYPE WALL HYDRANT, WITH DOUBLE CHECK BACKFLOW PREVENTER, VALVE ON THE INSIDE OF THE WALL, SPOUT WITH BACKFLOW PREVENTER, AND LOOSE KEY SOCKET ON THE OUTSIDE OF THE WALL. MAKE ARRANGEMENTS WITH THE GENERAL CONTRACTOR TO PROVIDE THE NECESSARY RECESS IN THE WALL. WHERE A RISER TO A WALL HYDRANT OCCURS IN AN OUTSIDE WALL, THE CONTRACTOR SHALL INSULATE THE CHASE WITH 2" STYROFOAM INSULATION ON ALL SIDES OF THE CHASE, EXCEPT THE INSIDE WALL OF THE CHASE. PROVIDE SHUTOFF VALVE IN ACCESSIBLE LOCTATION.	
L-1	LAVATORY - WALL HUNG - ADA	AMERICAN STANDARD	LUCERNE - 0355.012	6	WHITE VITREOUS CHINA	WHITE	34" TO RIM	0' - 6 1/2"	Yes	ZURN	Z81101-XL-25 M	MANUAL	No	0.35 GPM	40 °F	120 °F	105 °F			---	2"	---	1/2"	1/2"	LAVATORY: WALL MOUNTED WITH CONCEALED ARM SUPPORTS, REAR OVERFLOW, FAUCET LEDGE, 4" CENTERS, & GRID STRAINER. FAUCET: DUAL LEVER, DECK MOUNTED MANUAL FAUCET WITH 4" CENTERS. PRESSURE COMPENSATING SPRAY 0.35 GPM, EXTERNAL 1070 COMPLIANT THERMOSTATIC MIXING VALVE.	
OB-4	ICE MAKER OUTLET BOX	SIOUX CHIEF	696-G1010MF	1	ABS PLASTIC	WHITE	0'-8" AFF						No	0.10 GPM	40 °F		40 °F						1/2"		FULLY RECESSED ICE MAKER SUPPLY BOX WITH COVER. PROVIDE 1/4 TURN BALL VALVE AND WATER HAMMER ARRESTOR IN BOX. PROVIDE A BACKFLOW PREVENTER CONCEALED IN WALL SPACE.	
S-3	3-COMPARTMENT SINK	JUST	NSFB372-J	1	STAINLESS STEEL	STAINLESS STEEL				T&S BRASS	B-0133-ADF1 4-B	MANUAL	No	2.20 GPM	40 °F	140 °F	140 °F			---	2"	---	1/2"	1/2"	THREE COMPARTMENT, 14 GAUGE. DUAL LEVER SWIVEL FAUCET WITH 14" SWING SPOUT. THREE T&S BRASS MODEL NO. B-3952 TWIST TYPE LEVER WASTE, AERO MODEL NO. S-22 3 COMPARTMENT CONTINUOUS WASTE, SUPPLIES, AND STOPS.	INDIRECT WASTE TO FLOOR SINK BY PLUMBING CONTRACTOR
UR	URINAL	ZURN	Z5755-U	3	WHITE VITREOUS CHINA	WHITE	21" TO RIM		No	ZURN	Z6003AV-ULF	MANUAL	No		40 °F		40 °F	0.125 gal	0.125 gal	2"	---	1-1/2"	3/4"		URINAL: WALL MOUNTED URINAL WITH WASHOUT ACTION, TOP SPUD, CARRIER. FLUSH VALVE: MANUAL, HIGH BACK PRESSURE VACUUM BREAKER, BRASS CONSTRUCTION WITH DURABLE CHROME FINISH, 3/4" TOP SPUD COUPLING CONNECTION.	
WC	WATER CLOSET - WALL HUNG	ZURN	Z5615-BWL	9	WHITE VITREOUS CHINA	WHITE	15" TO RIM		Yes	ZURN	Z6000AV-HET	MANUAL	No		40 °F		40 °F	1.28 gal	1.28 gal	4"	---	2"	1"		WATER CLOSET: ELONGATED WALL HUNG WATER CLOSET, 1-1/2" TOP SPUD, CARRIER, SIPHON ACTION JETTED BOWL WITH SELF SUSTAINING ELONGATED OPEN FRONT SEAT. FLUSH VALVE: MANUAL, 1.28 GPF, POLISHED CHROME FINISH, FIXTURE CONNECTION 1-1/2" TOP SPUD.	
WC-1	WATER CLOSET - WALL HUNG - ADA - 17"	ZURN	Z5615-BWL	4	WHITE VITREOUS CHINA	WHITE	17" TO RIM		Yes	ZURN	Z6000AV-HET	MANUAL	No		40 °F		40 °F	1.28 gal	1.28 gal	4"	---	2"	1"		WATER CLOSET: ELONGATED WALL HUNG WATER CLOSET, 1-1/2" TOP SPUD, CARRIER, SIPHON ACTION JETTED BOWL WITH SELF SUSTAINING ELONGATED OPEN FRONT SEAT. FLUSH VALVE: MANUAL, 1.28 GPF, POLISHED CHROME FINISH, FIXTURE CONNECTION 1-1/2" TOP SPUD.	

REDUCED PRESSURE BACKFLOW PREVENTER SCHEDULE

ID	NOMINAL DIAMETER	DESCRIPTION	MANUFACTURER	MODEL	COUNT	MATERIAL	FLUID PROPERTIES	VALVE PROPERTIES					REMARKS
							TYPE	RATED FLOW	PRESSURE DROP AT RATED FLOW	MAXIMUM ALLOWABLE WORKING PRESSURE	MAXIMUM ALLOWABLE WORKING TEMPERATURE	HYDROSTATIC TEST PRESSURE	
RPBP	2"	REDUCED PRESSURE PRINCIPLE ASSEMBLY	ZURN WILKINS	975 XL	1	BRONZE	WATER	160.0 GPM	35.1 ftH2O	403.7 ftH2O	180 °F	807.4 ftH2O	ASSE 1013 CERTIFIED REDUCED PRESSURE BACKFLOW PREVENTER WITH FULL PORT QUARTER TURN SHUTOFF VALVES. PROVIDE AN AIR GAP WITH RELIEF PIPED TO NEAREST FLOOR DRAIN. MOUNT AT 5'-0" AFF.

GREASE INTERCEPTOR SCHEDULE

ID	MANUFACTURER	MODEL	QTY	TYPE	MATERIAL DESCRIPTION	DESIGN FLOW	CAPACITY			INSTALLATION	PIPE CONNECTIONS			DIMENSIONS			REMARKS
							LIQUID	GREASE	SOLIDS	ARRANGEMENT	INLET DIA	OUTLET DIA	VENT DIAMETER	LENGTH	WIDTH	HEIGHT	
GI-1	SCHIER	GB2	1	HYDROMECHANICAL	POLYPROPYLENE	35.0 GPM	20.0 gal	130.00 lbm	1.8 gal	ABOVE GRADE	3"	3"	4"	2' - 11"	1' - 11"	1' - 3 3/4"	MOUNT UNDER SINK

ELECTRIC WATER HEATER SCHEDULE

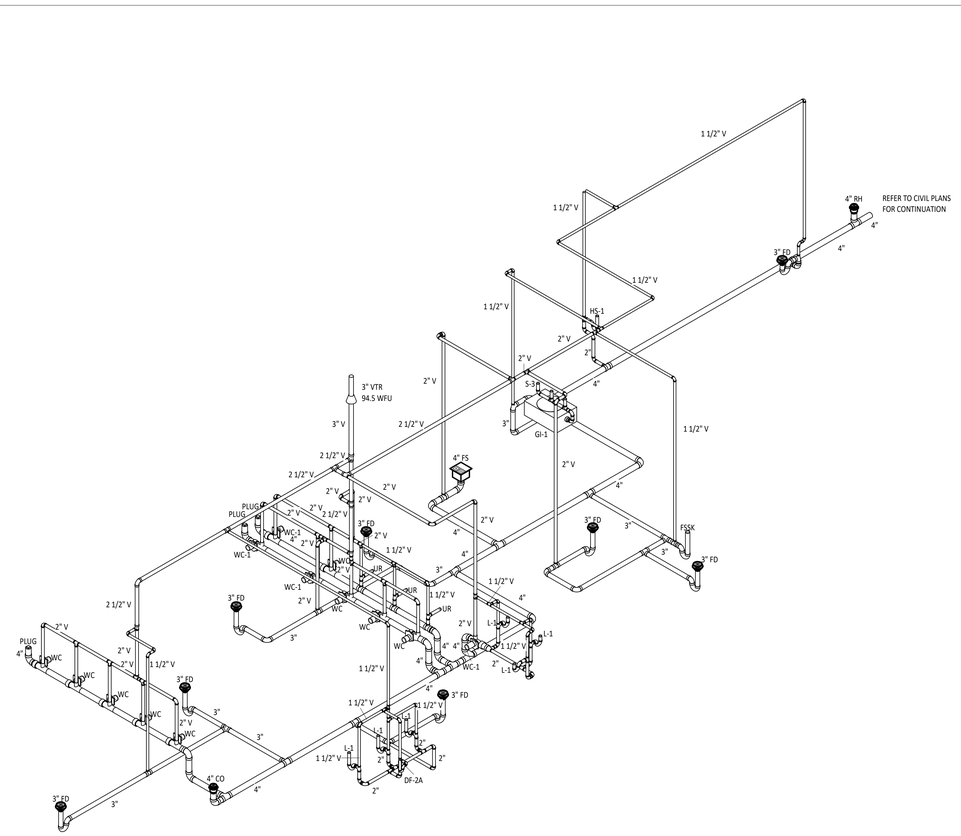
ID	LOCATION		MANUFACTURER	MODEL NO.	TYPE	ELECTRIC HEAT EXCHANGER				ELECTRIC HEAT EXCHANGER			EF	UNIT WEIGHT	FLA	MCA	MOCP	VOLT	PH	REMARKS
	NAME	NO.				HEATING CAP	WATERSIDE STORAGE RECOVERY	WATERSIDE STORAGE VOL	WATERSIDE MAX TEMP RISE	QTY	POWER	SCR								
WH-1	MECHANICAL ROOM	A105	AO SMITH	DEN-52	TANK	8.0 kW	41.0 gal/h	50.0 gal	80 °F	2	4 kW	No	100	131 lb	33 A	33 A	35 A	240 V	1	

DOMESTIC EXPANSION TANK SCHEDULE

ID	MANUFACTURER	MODEL	TANK VOLUME	ACCEPTANCE VOLUME	PRESS RELIEF	DIMENSIONS		UNIT WEIGHT	REMARKS
						DIAMETER	HEIGHT		
EXP	WILKINS	WTTA-5	3.5 gal	2.3 gal	150 psi	0' - 10"	1' - 2"	22 lb	

FLOOR DRAIN SCHEDULE

ID	DESCRIPTION	MANUFACTURER	MODEL	QTY	MATERIAL DESCRIPTION		WASTE PIPE SIZE	VENT PIPE SIZE	PRIMER PIPE SIZE	SPECIFICATION	REMARKS
					DRAIN BODY	STRAINER					
FD	FLOOR DRAIN	ZURN	ZN415-BZ1	8	EPOXY COATED CAST IRON	NICKEL BRONZE	3"	2"	---	EPOXY COATED CAST IRON FLOOR DRAIN WITH ANCHOR FLANGE, REVERSIBLE CLAMPING COLLAR WITH PRIMARY & SECONDARY WEEPHOLES, ADJUSTABLE ROUND HEEL PROOF NICKEL BRONZE STRAINER, AND NO HUB OUTLET.	
FS	FLOOR SINK	ZURN	Z566	1	DURA-COATED CAST IRON	EPOXY COATED CAST IRON	4"	2"	---	12" SQUARE X 8" DEEP SANITARY FLOOR SINK WITH LOOSE SET CAST IRON GRATE, DOME BOTTOM STRAINER, AND NO HUB OUTLET.	



1 P4.1 **SANITY ISOMETRIC**
NTS

PRINTED ON: 1/5/2026 8:32:07 PM

STATE OF OHIO
MATTHEW R. HIBNER 1416052
REGISTERED ARCHITECT
MATTHEW R. HIBNER
LICENSE #1416052
EXPIRATION DATE: 12/31/2027

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NEW BUILDING FOR
ARCANUM BOOSTER STADIUM PHASE III IMPROVEMENTS
310 NORTH MAIN STREET, ARCANUM, OH 45304

ISSUANCES/REVISIONS

CD PHASE SUBMISSION	01/06/2026

PROJECT NUMBER:	DRAWN BY:	CHECKED BY:
23047.03	RAG	MAK

SHEET TITLE:
PLUMBING SCHEDULES AND SANITARY ISOMETRIC

SHEET NUMBER:
P4.1

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- NOTE:

	ABBREVIATIONS USED ON THE CONTRACT DOCUMENTS, INCLUDE BUT ARE NOT LIMITED TO THOSE LISTED BELOW.

- CHARACTERS

&	AND
Ø	DIAMETER/ROUND

A	
A	AIR
AB	ABOVE BASE
ABV	ABOVE
AC	AIR CONDITIONING
ACOUS	ACOUSTICAL
AD	AREA DRAIN
ADD	ADDENDUM
ADDL	ADDITIONAL
AFF	ABOVE FINISHED FLOOR
AFUE	ANNUAL FUEL UTILIZATION EFFICIENCY
AG	ABOVE GROUND
ALT	ALTERNATE
AP	ACCESS PANEL
APPROX	APPROXIMATE
ARCH	ARCHITECT/ARCHITECTURAL
AUTO	AUTOMATIC
AV	ACID RESISTANT VENT
AW	ACID RESITANT WASTE

B	
BFF	BELOW FINISHED FLOOR
BLDG	BUILDING
BLW	BELOW
BO	BY OTHER
BOT	BOTTOM
BSMT	BASEMENT
BTU	BRITISH THERMAL UNITS
BTUH	BRITISH THERMAL UNITS PER HOUR
BTWN	BETWEEN

C	
CAP	CAPACITY
CB	CATCH BASIN
CCW	COUNTER CLOCKWISE
CFCV	CONSTANT FLOW CONTROL VALVE
CFM	CUBIC FEET PER MINUTE
CHW	CIRCULATING HOT WATER
CI	CAST IRON
CLG	CEILING/COOLING
CO	CLEAN OUT
COL	COLUMN
COMB	COMBINATION
CONC	CONCRETE
COND	CONDENSATE
CONF	CONFERENCE
CONN	CONNECT
CONST	CONSTRUCTION
CONT	CONTINUE/CONTINUATION
CONTR	CONTRACT/CONTRACTOR
COORD	COORDINATE
CTR	CENTER
CUFT	CUBIC FEET
CV	CHECK VALVE
CW	COLD WATER
CW	CLOCKWISE

D	
D	DEGREE
DB	DRY BULB
DET	DETAIL
DI	DEIONIZED WATER
DIA	DIAMETER
DISCH	DISCHARGE
DIV	DIVISION
DMPR	DAMPER
DN	DOWN
DW	DISTILLED WATER
DWG	DRAWING

E	
E/A	EXHAUST AIR
EA	EACH
EAT	ENTERING AIR TEMPERATURE
EL	ELBOW
ELEC	ELECTRICAL
ELEV	ELEVATION
EP	EXPLOSION PROOF
EQ	EQUAL
EQUIP	EQUIPMENT
EWC	ELECTRIC WATER COOLER
EWT	ENTERING WATER TEMPERATURE
EXIST	EXISTING
EXP	EXPANSION JOINT
EXT	EXTERIOR

F	
F	DEGREES FAHRENHEIT
FCO	FLOOR CLEAN OUT
FD	FLOOR DRAIN/FIRE DAMPER
FDV	FIRE DEPARTMENT VALVE
FHC	FIRE HOSE CABINET
FL	FLOOR
FLEX	FLEXIBLE
FLG	FLANGE
FO	FUEL OIL
FOR	FUEL OIL RETURN
FOS	FUEL OIL SUPPLY
FOV	FUEL OIL VALVE
FPM	FEET PER MINUTE
FRP	FIBERGLASS REINFORCED PIPE
FS	FULL SIZE/FLOOR SINK
FT	FOOT/FEET
FTG	FOOTING
FTR	FIN TUBE RADIATION
FUT	FUTURE

G	
GA	GAGE/GAUGE
GAL	GALLON
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GEN	GENERATOR
GENL	GENERAL
GPM	GALLONS PER MINUTE
GR	GRADE
GW	GREASE WASTE

H	
HB	HOSE BIB
HD	HEAD
HORZ	HORIZONTAL
HP	HORSE POWER/HIGH PRESSURE
HTG	HEATING
HTR	HEATER
HW	HOT WATER
HYD	HYDRANT

I	
ID	INDIRECT
IN	INCH
INL	INLET
INSUL	INSULATION
INT	INTERIOR
INV	INVERT
INWG	INCHES WATER GAUGE

J	
JST SPC	JOIST SPACE
JT	JOINT

L	
LAB	LABORATORY
LAT	LEAVING AIR TEMPERATURE
LB	POUND
LB/HR	POUNDS PER HOUR
LF	LINEAL FOOT
LP	LOW PRESSURE
LPG	LIQUEFIED PERTOLEUM GAS
LR	LIQUID REFRIGERANT
LVR	LOUVER
LWT	LEAVING WATER TEMPERATURE

M	
M/A	MIXED AIR
MAN	MANUAL
MATL	MATERIAL
MAV	MANUAL AIR VENT
MAX	MAXIMUM
MBD	MOTORIZED BYPASS DAMPER
MBH	ONE THOUSAND BTU PER HOUR
MCF	ONE THOUSAND CUBIC FEET
MCW	MAKE-UP COLD WATER
MD	MOTORIZED DAMPER
MECH	MECHANICAL
MFR	MANUFACTURER
MH	MANHOLE
MIN	MOTORIZED BYPASS DAMPER
MISC	MISCELLANEOUS
MTR	MOTOR
MU/A	MAKE-UP/AIR

N	
N	NECK
NC	NOISE CRITERIA/NORMALLY CLOSED
NIC	NOT IN CONTRACT
NO	NUMBER/NORMALLY OPEN
NOM	NOMINAL
NTS	NOT TO SCALE

O	
O	OXYGEN
O/A	OUTSIDE AIR
OC	ON CENTER
OF	OVERFLOW
OPNG	OPENING
ORD	OVERFLOW ROOF DDRAIN

P	
PD	PRESSURE DROP
PIV	POST INDICATOR VALVE
PLBG	PLUMBING
PR	PAIR
PREL	PRELIMINARY
PRESS	PRESSURE
PRIM	PRIMARY
PRV	PRESSURE REDUCING VAL
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH GAUGE
PW	POTABLE WATER
PWR	POWER

R	
R	DUCT RISER
R/A	RETURN AIR
RCP	RADIANT CEILING PANEL
RD	ROOF DRAIN
REC	RECESSED
RED	REDUCER
REFR	REFRIGERATION
REQD	REQUIRED
REV	REVERSE
RH	RELATIVE HUMIDITY
RL/A	RELIEF AIR
RM	ROOM
RPM	REVOLUTIONS PER MINUTE
RW	RAIN WATER

S	
S/A	SUPPLY AIR
SAN	SANITARY
SCHED	SCHEDULE
SD	SMOKE DAMPER
SECT	SECTION
SF	SQUARE FOOT
SHT	SHEET
SIM	SIMILAR
SLV	SLEEVE
SM	SURFACE MOUNT
SP	STANDPIPE/STATIC PRESSURE
SPEC	SPECIFICATION
SPS	STATIC PRESSURE STATION
SQ	SQUARE
SR	SUCTION REFRIGERANT
SS	STAINLESS STEEL
SSD	SOIL SUBDRAIN
STD	STANDARD
STM	STEAM
STRUCT	STRUCTURAL
SUCT	SUCTION
SUSP	SUSPENDED

T	
T	THERMOSTAT
TCP	TEMPERATURE CONTROL PANEL
TD	TEMPERATURE DROP
TEFC	TOTALLY ENCLOSED FAN COOLED
TEMP	TEMPERATURE
TYP	TYPICAL

U	
UFD	UNDER FLOOR DUCT
UG	UNDERGROUNG

V	
V	VENT
VAV	VARIABLE AIR VOLUME
VEL	VELOCITY
VENT	VENTILATION
VERT	VERTICAL
VOL	VOLUME
VTR	VENT THROUGH ROOF

W	
W	WASTE
WB	WET BULB
WCO	WALL CLEAN OUT
WH	WALL HYDRANT

16"x8" SQUARE DUCT SIZE TAG (WIDTH x HEIGHT)

16"/8" OVAL DUCT SIZE TAG (WIDTH / HEIGHT)

16"Ø ROUND DUCT SIZE TAG (DIAMETER)

(E) EXISTING DUCT TAG

DUCT BEING DEMOLISHED

S/A SUPPLY AIR

S-O/A CONDITIONED OUTSIDE AIR

O/A OUTSIDE AIR

R/A RETURN AIR

T/A TRANSFER AIR

E/A EXHAUST AIR

L/A RELIEF AIR

GE/A GREASE EXHAUST AIR

SE/A SMOKE EXHAUST AIR

FLUE EXHAUST GAS FLUE

C/A COMBUSTION AIR

DROP 24 x 24 RECTANGULAR SUPPLY/OUTSIDE AIR DUCT RISE

DROP Ø24 ROUND SUPPLY/OUTSIDE AIR DUCT RISE

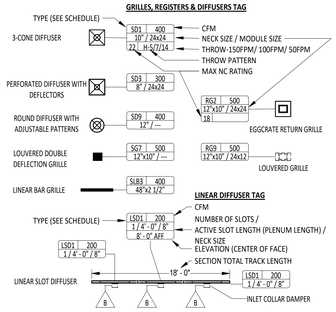
DROP 24 x 12 RECTANGULAR RETURN/TRANSFER AIR DUCT RISE

DROP Ø12 ROUND RETURN/TRANSFER AIR DUCT RISE

DROP 12 x 12 RECTANGULAR EXHAUST/RELIEF AIR DUCT RISE

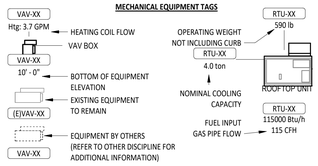
DROP Ø12 ROUND EXHAUST/RELIEF AIR DUCT RISE

GRILLES, REGISTERS & DIFFUSERS TAG



LINEAR DIFFUSER TAG

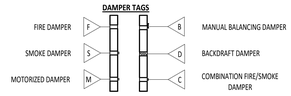
MECHANICAL EQUIPMENT TAGS



SENSOR TAGS

CARBON DIOXIDE SENSOR	CO2	TH	TEMPERATURE & HUMIDITY SENSOR
CARBON MONOXIDE SENSOR	CO	TS	TEMPERATURE SENSOR
NITROGEN DIOXIDE SENSOR	NO2	T	THERMOSTAT
HUMIDITY SENSOR	HS	MS	MANUAL SWITCH
HUMIDISTAT	H	S	SENSOR

DAMPER TAGS



CHWR CHILLED WATER RETURN

CHWS CHILLED WATER SUPPLY

CD CONDENSATE DRAINAGE

CWR CONDENSER WATER RETURN

CWS CONDENSER WATER SUPPLY

HWR HEATING WATER RETURN

HWS HEATING WATER SUPPLY

G NATURAL GAS

PG PROPANE GAS

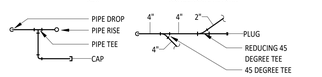
REF-L REFRIGERANT-LIQUID

REF-S REFRIGERANT-SUCTION

REF-HG REFRIGERANT-HOT GAS

STM STEAM

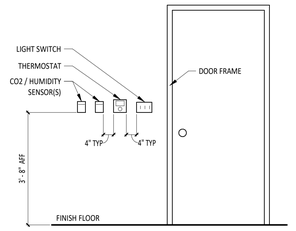
CDR CONDENSATE RETURN



PIPE ACCESSORY TAGS

2" DOM. WM DOMESTIC WATER METER	2" M-CNTRL MOTORIZED CONTROL VALVE
2" BALANCING BALANCING VALVE	2" 3-WAY CNTRL 3 WAY MOTORIZED CONTROL VALVE
2" SHUTOFF 1/4 TURN BALL VALVE	2" PRV PRESSURE REDUCING VALVE
2" CHECK CHECK VALVE	3/8" SOLENOID REFRIGERANT SOLENOID VALVE
2" TMV 3-WAY MIXING VALVE	2" BUTTERFLY BUTTERFLY VALVE

2 M1.1 MECHANICAL SYMBOLS LIST - PIPING SYMBOLS
NTS



3 M1.1 UTILITY MOUNTING DETAIL
NTS

REVISION NUMBER - SHOWN ON PLANS

POINT WHERE NEW CONNECTS TO EXISTING

--- NUMBER OF DETAIL ON SHEET
--- NUMBER OF SHEET WHERE DETAIL APPEARS

1 KEYNOTE

CONTINUATION SYMBOL

1q5pQXtuH7QD9baIfFHCGg
1q5pQXtuH7QD9baIfFHCGg ROOM NAME AND NUMBER

ITEM TO BE DEMOLISHED

AREA NOT IN CONTRACT

2" PIPE SIZE TAG (DIAMETER)

ABOVE GROUND PIPING

1/8" / 12" SLOPE PIPE SLOPE TAG

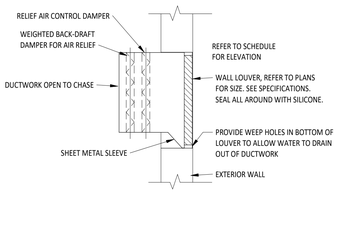
BELOW GROUND PIPING

INVERT: -10' - 1" PIPE INVERT ELEVATION TAG

(E) EXISTING PIPE TAG

PIPING BEING DEMOLISHED

4 M1.1 MECHANICAL SYMBOLS LIST - GENERAL MECHANICAL SYMBOLS
NTS



5 M1.1 RELIEF AIR LOUVER
NTS

AC	AIR CONDITIONING UNIT	EWH	ELECTRIC WATER HEATER
ACC	AIR COOLED CONDENSER	FCU	FAN COIL UNIT
ACCU	AIR COOLING CONDENSING UNIT	FP	FIRE PUMP
AHU	AIR HANDLING UNIT	GI	GREASE INTERCEPTOR
AS	AIR SEPARATOR	GRV	GRAVITY ROOF VENTILATOR
B	BOILER	HWP	HEATING WATER PUMP
CH	CHILLER	HX	HEAT EXCHANGER
CT	COOLING TOWER	HRU	HEAT RECOVERY UNIT
CH	CABINET UNIT HEATER	PRV	POWER ROOF VENTILATOR
CWP	CONDENSER WATER PUMP	RE	RETURN/EXHAUST FAN
CHWP	CHILLED WATER PUMP	RTU	ROOFTOP UNIT
DBP	DOMESTIC WATER BOOSTER PUMP	SEP	SEWAGE EJECTOR PUMP
DC	DUCT MOUNTED COIL	SF	SUPPLY FAN
DCP	DOMESTIC WATER CIRCULATING PUMP	SP	SUMP PUMP
EF	EXHAUST FAN	UH	UNIT HEATER
EDC	ELECTRIC DUCT COIL	WH	WATER HEATER
ET	EXPANSION TANK		

6 M1.1 MECHANICAL SYMBOLS LIST - EQUIPMENT ABBREVIATIONS
NTS

MECHANICAL SHEET INDEX

SHEET NUMBER	SHEET NAME
M1.1	GENERAL NOTES, ABBREVIATIONS, LEGENDS, AND SHEET INDEX
M2.1	MECHANICAL PLAN - CONCESSION

GENERAL NOTES

A REMOVE ALL UNUSED PIPING, DUCTWORK AND ACCESSORIES. DISPOSE OF THESE ITEMS OFF SITE.

B THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING, PRIOR TO FINAL BID, ALL EXISTING CONDITIONS FOR PLUMBING AND MECHANICAL SYSTEMS WITHIN SCOPE AREA AND WITHIN CLOSE PROXIMITY OF THE SCOPE AREA.

C WHERE FLOOR DRAINS OCCUR WITHIN THE LIMITS OF CONSTRUCTION, PREVENT CONSTRUCTION DEBRIS FROM ENTERING DRAIN BODY BY SEALING DRAIN OPENING PRIOR TO START OF WORK. UNSEAL DRAINS AT COMPLETION OF CONSTRUCTION.

D COORDINATE INSTALLATION OF PIPING, DUCTWORK, CONDUIT, LIGHTS, CABLE TRAY, STRUCTURE, AND EQUIPMENT TO PREVENT CONFLICTS.

E THE CONTRACTOR SHALL BE FAMILIAR WITH ALL THE CONDITIONS BOTH EXISTING AND THOSE ILLUSTRATED BY THESE DOCUMENTS AS WELL AS THOSE WHICH CAN BE REASONABLY ANTICIPATED INCLUDING, BUT NOT LIMITED TO ARCHITECTURAL, ELECTRICAL, VENTILATION, PLUMBING, AND OTHER SYSTEMS INVOLVED ON THIS PROJECT.

F FINAL PRODUCT SHALL BE A COMPLETE AND FUNCTIONING SYSTEM, AND SHALL CONFORM TO ALL REQUIREMENTS OF APPLICABLE FEDERAL, STATE, AND LOCAL CODES, INCLUDING BUT NOT LIMITED TO THE INTERNATIONAL BUILDING CODE AND INTERNATIONAL MECHANICAL CODE.

G LOCATE EQUIPMENT REQUIRING ACCESS 2'-0" MAXIMUM ABOVE CEILING.

H ALL ROOF MOUNTED EQUIPMENT SHALL BE A MINIMUM 10'-0" FROM EDGE OF ROOF.

I LOCATE DUCTWORK, PIPING, AND MECHANICAL EQUIPMENT AWAY FROM THE SPACE ABOVE ELECTRICAL PANELS, TRANSFORMERS, AND OTHER ELECTRICAL EQUIPMENT.

J PROVIDE SLEEVES AND/OR OPENINGS TO RUN PIPES AND DUCTS THROUGH FOUNDATIONS, FLOORS, WALLS, AND ROOF.

K ADJUST PIPING AND DUCTWORK SIZES TO PROPERLY CONNECT TO MECHANICAL EQUIPMENT.

L DUCT AND PIPE SIZES SHOWN SHALL BE CONTINUED IN THE DIRECTION OF FLOW UNTIL ANOTHER SIZE IS SHOWN.

M INSTALL ALL EQUIPMENT IN ACCORDANCE WITH THE RESPECTIVE MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS, AT A LEVEL OF QUALITY AND WORKMANSHIP CONSISTENT WITH THE SPECIFICATIONS.

N LOCATIONS OF PIPING, DUCTWORK, AND EQUIPMENT AS INDICATED ON THE DRAWING, ARE APPROXIMATE AND SUBJECT TO MINOR ADJUSTMENTS IN THE FIELD. WORK SHALL BE COORDINATED WITH ALL OTHER TRADES TO AVOID INTERFERENCE IN THE FIELD. CONSULT ENGINEER IF MANUFACTURER'S MINIMUM CLEARANCE REQUIRED CAN'T BE MAINTAINED.

O INSTALL EXPOSED PIPING AND DUCTWORK AS HIGH AS PRACTICAL IN ROOMS WITHOUT CEILINGS.

HVAC GENERAL NOTES

A DIVISION 23 MECHANICAL CONTRACTOR IS REQUIRED TO COORDINATE DIFFUSER AND GRILLE LOCATIONS WITH ARCHITECTURAL REFLECTED CEILING PLANS.

B ALL EQUIPMENT LOCATED ABOVE CEILING REQUIRING MAINTENANCE SHALL BE INSTALLED WITHIN (2) FEET OF THE CEILING FOR MAINTENANCE PURPOSES. DO NOT INSTALL UNITS ABOVE LIGHTS AND CEILING SPEAKERS. COORDINATE LOCATION WITH ARCHITECTURAL REFLECTED CEILING PLAN AND GENERAL CONTRACTOR.

C ANY BALANCING DAMPERS OR OTHER DEVICES IN DUCTS ABOVE HARD CEILINGS SHALL BE LOCATED ABOVE NEAREST ACCESSIBLE CEILING.

D THIS CONTRACTOR SHALL BE REQUIRED TO REPLACE FILTERS ON HVAC EQUIPMENT AFTER ALL DUST PRODUCING CONSTRUCTION HAS BEEN COMPLETED AND PRIOR TO THE FINAL PUNCH.

E CONTRACTOR SHALL LOCATE THERMOSTATS AND TEMPERATURE SENSORS AT 3'-8" AFF, A MINIMUM OF 4" FROM LIGHT SWITCH.

F CONDENSATE DRAINS SHALL BE SUPPLIED FOR ALL COOLING EQUIPMENT. CONTRACTOR SHALL ENSURE PROPER INSTALLATION AND DRAINAGE AS REQUIRED BY FEDERAL, STATE, AND LOCAL CODES. CONDENSATE PIPING SHALL BE TYPE "L" COPPER.

G ALL SUPPLY, RETURN, AND EXHAUST DUCTWORK SHALL BE RATED FOR PRESSURE CLASS OF 2" W.G., UNLESS NOTED OTHERWISE.

STATE OF OHIO
MATTHEW R. HIBNER
#1416052
REGISTERED ARCHITECT

MATTHEW R. HIBNER
LICENSE #1416052
EXPIRATION DATE: 12/31/2027

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NEW BUILDING FOR

ARCANUM BOOSTER STADIUM PHASE III IMPROVEMENTS

310 NORTH MAIN STREET, ARCANUM, OH 45304

ISSUANCES/REVISIONS

CD PHASE SUBMISSION	01/06/2026

PROJECT NUMBER:	DRAWN BY:	CHECKED BY:
23047.03	RAG	MAK

SHEET TITLE:

GENERAL NOTES, ABBREVIATIONS, LEGENDS, AND SHEET INDEX

SHEET NUMBER:

M1.1

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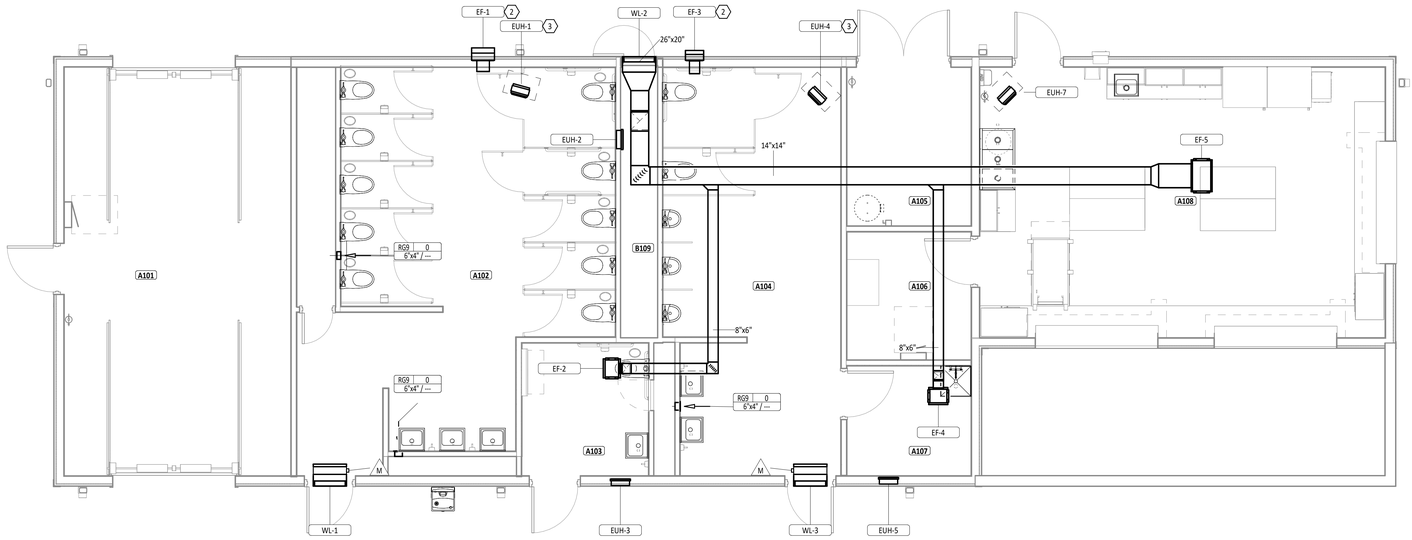

1 M2.1 **MECHANICAL PLAN - CONCESSION**
1/4" = 1'-0"

N

FIRST FLOOR PLAN ROOM INDEX - UNIT A

ROOM NUMBER	ROOM NAME	AREA
A101	STORAGE ROOM	394 SF
A102	WOMEN'S RESTROOM	431 SF
A103	FAMILY RESTROOM	72 SF
A104	MEN'S RESTROOM	297 SF
A105	MECHANICAL ROOM	84 SF
A106	STORAGE ROOM	68 SF
A107	JANITOR CLOSET	58 SF
A108	CONCESSION STAND	467 SF

HVAC GENERAL NOTES

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E. CONTRACTOR SHALL LOCATE THERMOSTATS AND TEMPERATURE SENSORS AT 3'-8" AFF, A MINIMUM OF 4" FROM LIGHT SWITCH.

F. CONDENSATE DRAINS SHALL BE SUPPLIED FOR ALL COOLING EQUIPMENT. CONTRACTOR SHALL ENSURE PROPER INSTALLATION AND DRAINAGE AS REQUIRED BY FEDERAL, STATE, AND LOCAL CODES. CONDENSATE PIPING SHALL BE TYPE "L" COPPER.

G. ALL SUPPLY, RETURN, AND EXHAUST DUCTWORK SHALL BE RATED FOR PRESSURE CLASS OF 2" W.G., UNLESS NOTED OTHERWISE.

#	KEYNOTE DESCRIPTION
1	PROVIDE 20"X18" CONTROL DAMPER IN DUCTWORK PLENUM BEHIND WALL LOUVER. CONTROL DAMPER SHALL BE 115V/1PH AND SHALL BE NORMALLY CLOSED AND OPEN UPON ACTIVATION OF EXHAUST FAN EF-1.
2	INSTALL SPEED CONTROLLER NEAR FAN FOR BALANCING.
3	MOUNT THE UNIT HEATER TO MAINTAIN A MINIMUM CLEARANCE OF 7' 0" UNDER IT.

EXHAUST FAN SCHEDULE

ID	LOCATION		MANUFACTURER	MODEL NO.	TYPE	FAN						SONES	UNIT WEIGHT	FLA	VOLT	PH	CONTROL	DISCONNECT		ACCESSORIES	REMARKS
						AIRFLOW	PRESS			MOTOR											
	Space: Name	Space: Number				DESIGN	ESP	RPM	DRIVE TYPE	POWER	ECM							SPEED CONTROLLER	TYPE	FURNISH BY		
EF-1	WOMEN'S RESTROOM	A102	Fantech	RVF 10XL EC	INLINE	750 CFM	0.30 in-wg	1696	DIRECT	111 W	Yes	21	28 lb	1.7 A	120 V	1	WC-15	NFS	MANUF.	METAL EXHAUST GRILLE, MGE 10 AND GRAVITY BACKDRAFT DAMPER	DIVISION 26 OCCUPANCY SENSOR WITH LIGHTS.
EF-2	FAMILY RESTROOM	A103	Greenheck	SP-A110	CEILING	75 CFM	0.30 in-wg	950	DIRECT	16 W	Yes	1	25 lb	0.2 A	120 V	1	S/S	NFS	MANUF.	GRAVITY BACKDRAFT DAMPER	DIVISION 26 OCCUPANCY SENSOR WITH LIGHTS.
EF-3	MEN'S RESTROOM	A104	Fantech	RVF 8XL EC	INLINE	375 CFM	0.30 in-wg	1835	DIRECT	45 W	Yes	15	17 lb	1.2 A	120 V	1	WC-15	NFS	MANUF.	METAL EXHAUST GRILLE, MGE 8 AND GRAVITY BACKDRAFT DAMPER	DIVISION 26 OCCUPANCY SENSOR WITH LIGHTS.
EF-4	JANITOR CLOSET	A107	Greenheck	SP-A110	CEILING	75 CFM	0.30 in-wg	950	DIRECT	16 W	Yes	1	25 lb	0.2 A	120 V	1	S/S	NFS	MANUF.	GRAVITY BACKDRAFT DAMPER	MANUAL OPERATION BY DIVISION 26 TIMER SWITCH.
EF-5	CONCESSION STAND	A108	Greenheck	SP-A1050	CEILING	1000 CFM	0.30 in-wg	1240	DIRECT	438 W	Yes	7	64 lb	4.8 A	120 V	1	S/S	NFS	MANUF.	GRAVITY BACKDRAFT DAMPER AND VIBRATION ISOLATION KIT	MANUAL OPERATION BY DIVISION 26 TIMER SWITCH.

ELECTRIC UNIT HEATER SCHEDULE

ID	LOCATION		MANUFACTURER	MODEL NO.	TYPE	FAN			HEATING COIL AIRSIDE		HEATING ELEMENT		UNIT DIMENSIONS		UNIT WEIGHT	FLA	MCA	MOCP	VOLT	PH	REMARKS
						AIRFLOW	MOTOR						TOP MOUNT HEIGHT	AFF ELEVATION							
	NAME	NO.				DESIGN	QTY	ECM	EAT(db)	LAT(db)	QTY	POWER									
EUH-1	WOMEN'S RESTROOM	A102	BERKO	HUHAA	UNIT	650 CFM	1	Yes	55.0 °F	103.6 °F	1	10.0 kW	9' - 0"	0' - 0"	36 lb	42 A	42 A	50 A	240 V	1	PROVIDE WITH MANUFACTURER'S INTERNAL THERMOSTAT AND FACTORY MOUNTED DISCONNECT AND OUTLET MESH. MOUNT WITH FACTORY SUPPLIED CEILING OR WALL BRACKET.
EUH-2	PLUMBING CHASE	B109	BERKO	FRC	CABINET	100 CFM	1	No	55.0 °F	102.4 °F	1	1.5 kW		1' - 0"	25 lb	13 A	13 A	15 A	120 V	1	PROVIDE WITH MANUFACTURER'S INTERNAL THERMOSTAT AND FACTORY MOUNTED DISCONNECT.
EUH-3	FAMILY RESTROOM	A103	BERKO	FRC	CABINET	100 CFM	1	No	55.0 °F	102.4 °F	1	1.5 kW		1' - 0"	25 lb	13 A	13 A	15 A	120 V	1	PROVIDE WITH MANUFACTURER'S INTERNAL THERMOSTAT AND FACTORY MOUNTED DISCONNECT.
EUH-4	MEN'S RESTROOM	A104	BERKO	HUHAA	UNIT	350 CFM	1	Yes	55.0 °F	100.1 °F	1	5.0 kW	9' - 0"	0' - 0"	24 lb	21 A	21 A	25 A	240 V	1	PROVIDE WITH MANUFACTURER'S INTERNAL THERMOSTAT AND FACTORY MOUNTED DISCONNECT AND OUTLET MESH. MOUNT WITH FACTORY SUPPLIED CEILING OR WALL BRACKET.
EUH-5	JANITOR CLOSET	A107	BERKO	FRC	CABINET	100 CFM	1	No	55.0 °F	102.4 °F	1	1.5 kW		1' - 0"	25 lb	13 A	13 A	15 A	120 V	1	PROVIDE WITH MANUFACTURER'S INTERNAL THERMOSTAT AND FACTORY MOUNTED DISCONNECT.
EUH-7	CONCESSION STAND	A108	BERKO	HUHAA	UNIT	350 CFM	1	Yes	55.0 °F	100.1 °F	1	5.0 kW	9' - 0"	0' - 0"	24 lb	21 A	21 A	25 A	240 V	1	PROVIDE WITH MANUFACTURER'S INTERNAL THERMOSTAT AND FACTORY MOUNTED DISCONNECT. MOUNT WITH FACTORY SUPPLIED CEILING OR WALL BRACKET.
EUH-8	TICKET BOOTH	B101	BERKO	FRC	CABINET	100 CFM	1	No	55.0 °F	102.4 °F	1	1.5 kW		1' - 0"	25 lb	13 A	13 A	15 A	120 V	1	PROVIDE WITH MANUFACTURER'S INTERNAL THERMOSTAT AND FACTORY MOUNTED DISCONNECT.

ASHRAE 62.1 VENTILATION RATE PROCEDURE SUMMARY

ROOM IDENTITY	LOCATION	Occupancy Category	Area, Az	Selected Supply Airflow	Number of People, Pz	Outdoor Airflow Rate Per Person, Rp	Outdoor Airflow Rate Per Unit Area, Ra	Zone Air Distribution Effectiveness, Ez	Breathing Zone Outdoor Airflow, Voz	Required Outdoor Air Intake Flow, Vot	OA Delivered	Specified Exhaust Airflow
NO.	NAME											
A101	STORAGE	Storage rooms	394 SF	0 CFM	0	0.0 CFM	0.12 CFM/SF		47 CFM			0 CFM
A102	WOMEN'S RESTROOM	Toilets (public)	431 SF	750 CFM	0						750 CFM	750 CFM
A103	FAMILY RESTROOM	Toilets (public)	72 SF	75 CFM	0						75 CFM	75 CFM
A104	MEN'S RESTROOM	Toilets (public)	297 SF	375 CFM	0						375 CFM	375 CFM
A105	MECHANICAL ROOM	Electrical equipment rooms	84 SF	0 CFM	0	0.0 CFM	0.06 CFM/SF		5 CFM			0 CFM
A106	STORAGE	Storage rooms	68 SF	0 CFM	0	0.0 CFM	0.12 CFM/SF		8 CFM			0 CFM
A107	JANITOR CLOSET	Storage rooms	58 SF	75 CFM	0	0.0 CFM	0.12 CFM/SF		7 CFM		75 CFM	75 CFM
A108	CONCESSION STAND	Coffee stations	467 SF	1000 CFM	4	5.0 CFM	0.06 CFM/SF		48 CFM		1000 CFM	1000 CFM
Default: 8			1870 SF	2275 CFM	4				115 CFM	0 CFM	2275 CFM	2275 CFM

LOUVER SCHEDULE

ID	SERVES	MANUFACTURER	MODEL NO.	TYPE	DESIGN AIRFLOW	PD	DIMENSIONS		DIMENSIONS	UNIT WEIGHT	INTERLOCK	REMARKS
							WIDTH	HEIGHT	TOP MOUNT HEIGHT		ID	
WL-1	WOMEN'S RESTROOM	GREENHECK	ESD-435	INTAKE	750 CFM	0.08 in-wg	26"	16"	9' - 6"	10 lb	EF-1	COLOR BY ARCHITECT
WL-2	EF-2, 4, & 5	GREENHECK	ESD-435	EXHAUST	1150 CFM	0.09 in-wg	26"	20"	9' - 4"	12 lb		COLOR BY ARCHITECT
WL-3	MEN'S RESTROOM	GREENHECK	ESD-435	INTAKE	375 CFM	0.02 in-wg	26"	16"	9' - 6"	10 lb	EF-3	COLOR BY ARCHITECT

GRILLES, REGISTERS, AND DIFFUSERS SCHEDULE

ID	DESCRIPTION	MANUFACTURER	MODEL	QTY	PLACEMENT	FACE SIZE	NECK			BLADE DESIGN					INSTALLATION		NOTES
							SIZE	WIDTH	HEIGHT	THICKNESS	SPACING	DEFLECTION ANGLE		ORIENTATION	BORDER TYPE		
					AFF Elevation							SINGLE	DOUBLE				
RG9	LOUVERED GRILLE	Titus	355FL	3	0' - 9"	---		6"	4"	1/8"	1/2"	35.0°		LONG	TYPE 1 (SURFACE)		

STATE OF OHIO
MATTHEW R. HIBNER 1416052
REGISTERED ARCHITECT

MATTHEW R. HIBNER
LICENSE #1416052
EXPIRATION DATE: 12/31/2027

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NEW BUILDING FOR
ARCANUM BOOSTER STADIUM PHASE III IMPROVEMENTS
331 NORTH MAIN STREET, ARCANUM, OH 45304

ISSUANCES/REVISIONS	
CD PHASE SUBMISSION	01/06/2026

PROJECT NUMBER:	DRAWN BY:	CHECKED BY:
23047.03	RAG	MAK

SHEET TITLE:
MECHANICAL PLAN - CONCESSION

SHEET NUMBER:
M2.1

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- NOTE:

	ABBREVIATIONS USED ON THE CONTRACT DOCUMENTS, INCLUDE BUT ARE NOT LIMITED TO THOSE LISTED BELOW.

A	
A	AMPS, AMPERE, AMPERAGE
A/V	AUDIO/VISUAL
AC	ABOVE COUNTER
ac	ALTERNATING CURRENT
ADA	AMERICANS WITH DISABILITIES ACT
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AIC	AVAILABLE INTERRUPTING CURRENT
AL	ALUMINUM
ATS	AUTOMATIC TRANSFER SWITCH
AWG	AMERICAN WIRE GAUGE

B	
BKR	BREAKER
BTM	BOTTOM

C	
C	CONDUIT
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
CKT	CIRCUIT
CU	COPPER

D	
dc	DIRECT CURRENT
DIA	DIAMETER

E	
EC	ELECTRICAL CONTRACTOR
EM	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
EX	EXISTING

F	
FA	FIRE ALARM
FAA	FIRE ALARM ANNUNCIATOR
FACP	FIRE ALARM CONTROL PANEL
FDR	FEEDER
FLA	FULL LOAD AMPS
FUT	FUTURE

G	
GEN	GENERATOR
GFI OR GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFP OR GFPE	GROUND FAULT PROTECTION OF EQUIPMENT
GND	GROUND

H	
HOA	HAND-OFF-AUTO
HP	HORSEPOWER
HT	HEIGHT

I	
IEEE	INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS
IG	ISOLATED GROUND

K	
KCMIL	THOUSAND CIRCULAR MILS
KV	KILOVOLT
KVA	KILOVOLT AMPS
KVAR	KILOVOLT AMPS REACTIVE
KW	KILOWATT
KWH	KILOWATT HOUR

L	
LOC	LOCATION
LSIG	LONG TIME, SHORT TIME, INSTANTANEOUS, AND GROUND FAULT PROTECTION

M	
mA	MILLIAMPS
MAX	MAXIMUM
MCA	MINIMUM CIRCUIT AMPACITY
MCC	MOTOR CONTROL CENTER
MH	MOUNTING HEIGHT
MIN	MINIMUM
MTD	MOUNTED
MTS	MANUAL TRANSFER SWITCH

N	
N/A	NOT APPLICABLE
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NEUT	NEUTRAL
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
NO	NORMALLY OPEN
NTS	NOT TO SCALE

O	
OH	OVERHEAD

P	
P	POLE
PA	PUBLIC ADDRESS
PC	PHOTOCELL
PH	PHASE
PVC	POLYVINYL CHLORIDE

R	
RGS	RIGID GALVANIZED STEEL

S	
SPD	SURGE PROTECTION DEVICE
SW	SWITCH

T	
TEMP	TEMPORARY
TV	TELEVISION
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
TYP	TYPICAL

U	
UG	UNDERGROUND
UL	UNDERWRITERS' LABORATORIES
UNO	UNLESS NOTED OTHERWISE
UPS	UNINTERRUPTABLE POWER SUPPLY

V	
V	VOLTS, VOLTAGE
VFD	VARIABLE FREQUENCY DRIVE

W	
W	WIRE
WG	WIRE GUARD
WP	WEATHER PROOF

X	
XFMR	TRANSFORMER

ABBREVIATIONS

GENERAL DRAWINGS SYMBOLS

- KEYED NOTE REFERENCE
- REVISION NUMBER - SHOWN ON PLANS
- CONTINUATION SYMBOL
- NUMBER OF DETAIL ON SHEET / DRAWING NUMBER WHERE DETAIL APPEARS

DEMOLITION (IF APPLICABLE)

SYMBOL	DESCRIPTION	NOTES
	DASHED SYMBOL INDICATES EXISTING DEVICE OR EQUIPMENT TO BE REMOVED.	REFER TO DEMOLITION PLANS FOR ADDITIONAL INFORMATION
	SOLID SYMBOL, LIGHTER IN COLOR INDICATES EXISTING DEVICE OR EQUIPMENT TO REMAIN.	

RACEWAY & CONDUCTORS

SYMBOL	DESCRIPTION
	TICK MARKS DENOTING CONDUCTOR IDENTIFICATION. REFER TO 'KEY TO ELECTRICAL CIRCUIT WIRING' DETAIL FOR MORE INFORMATION.
	CIRCUIT CONCEALED IN CEILING, WALL, OR FLOOR OF NEW CONSTRUCTION. CONCEALED WHEREVER POSSIBLE IN AREAS OF OPEN STRUCTURE OR EXISTING CONSTRUCTION.
	INDICATES CONCEALED CONDUIT UNDERGROUND/UNDERFLOOR
	HOMERUN TO PANEL OR LOCATION NOTED
	SURFACE MOUNT RACEWAY. REFER TO PLANS FOR TYPE. - DENOTES HORIZONTALLY MOUNTED RACEWAY - DENOTES VERTICALLY MOUNTED RACEWAY
2/1/2"	CONDUIT SLEEVE(S) ABOVE CEILING FOR TECHNOLOGY CABLING. (#) INDICATES QUANTITY, #" INDICATES CONDUIT SIZE. REFER TO ARCHITECTURAL SECTIONS FOR CEILING HEIGHTS.
	LADDER TYPE CABLE TRAY. REFER TO SPECIFICATIONS FOR MORE INFORMATION.
	WIRE MESH CABLE TRAY. REFER TO SPECIFICATIONS FOR MORE INFORMATION.
DOWN UP	CONDUIT TURNS

LIGHTING FIXTURE SYMBOLS

REFER TO LUMINAIRE SCHEDULE FOR ALL FIXTURE TYPES AND ADDITIONAL INFORMATION.

SYMBOL	DESCRIPTION	MOUNTING LOC.	MOUNTING HT.
	SOLID HATCH INDICATES LIGHT FIXTURE CONNECTED TO EMERGENCY CIRCUIT. HATCH WILL BE MODIFIED FOR EACH FIXTURE TYPE.	VARIES	REFER TO LUMINAIRE SCHEDULE
A / B	CAPITAL LETTER INDICATES FIXTURE TYPE LOWERCASE LETTER INDICATES SWITCHING		
	RECESSED MOUNTED LUMINAIRE; APPROXIMATE SIZE AS INDICATED ON PLANS.		
	SURFACE OR SUSPENDED MOUNT LUMINAIRE; APPROXIMATE SIZE AS INDICATED ON PLANS.		
	RECESSED MOUNTED DOWNLIGHT LUMINAIRE. DIRECTIONAL ARROW INDICATES AIMABLE FIXTURE TYPE.		
	SURFACE MOUNTED DOWNLIGHT LUMINAIRE.		
	PENDANT MOUNT LUMINAIRE; APPROXIMATE SIZE AS INDICATED ON PLANS.	CEILING	
	STRIP LIGHT LUMINAIRE.		
	PENDANT MOUNTED LUMINAIRE; APPROXIMATE SIZE AS INDICATED ON PLANS.		
	PENDANT MOUNTED ROUND OR RING TYPE LUMINAIRE; APPROXIMATE SIZE AS INDICATED ON PLANS.		
	RECESSED MOUNTED ROUND OR RING TYPE LUMINAIRE; APPROXIMATE SIZE AS INDICATED ON PLANS.		
	TRACK MOUNTED LUMINAIRES. PROVIDE TRACK LENGTH AND QUANTITY OF FIXTURES AS INDICATED ON PLANS. AIM AS INDICATED ON PLANS.		
	EXTERIOR WALL PACK LUMINAIRE.	WALL	
	WALL MOUNTED LUMINAIRE.		
	WALL MOUNTED LUMINAIRE.		
	EMERGENCY BATTERY PACK LUMINAIRE.		
	SINGLE OR DOUBLE (AS INDICATED) EMERGENCY REMOTE HEAD.		
	WALL MOUNTED EXIT SIGN, ARROWS AND EMERGENCY LIGHTS AS INDICATED. SHADED AREA INDICATES FACE LOCATION(S).		
	CEILING MOUNTED EXIT SIGN, ARROWS AND EMERGENCY LIGHTS AS INDICATED. SHADED AREA INDICATES FACE LOCATION(S).	CEILING	
	FLOOD LIGHT LUMINAIRE.	EXTERIOR	VARIES, SEE PLANS
	LIGHTED BOLLARD OR IN-GRADE LUMINAIRE.		
	DECORATIVE POLE TOP AREA LUMINAIRE.		
	POLE MOUNTED LUMINAIRE. NUMBER OF HEAD(S) AND TYPE(S) AS INDICATED ON SITE PLAN.		

LIGHTING CONTROL SYMBOLS

SYMBOL	DESCRIPTION	MOUNTING LOC.	MOUNTING HT.
	SINGLE POLE SWITCH, 20A, 120/277V WITH COVERPLATE.	WALL	44", UNO
3	THREE-WAY SWITCH, 20A, 120/277V WITH COVERPLATE.		
4	FOUR-WAY SWITCH, 20A, 120/277V WITH COVERPLATE.		
P	SINGLE POLE PILOT LIGHT SWITCH, 20A, 120/277V WITH COVERPLATE.		
K	KEY OPERATED SINGLE POLE SWITCH, 20A, 120/277V WITH COVERPLATE.		
3K	KEY OPERATED THREE-WAY SWITCH, 20A, 120/277V WITH COVERPLATE.		
4K	KEY OPERATED FOUR-WAY SWITCH, 20A, 120/277V WITH COVERPLATE.		
OS	OCCUPANCY SENSOR SWITCH. WATTSTOPPER DSW-301-W OR EQUAL		
OD	OCCUPANCY SENSOR DIMMING SWITCH.		
LC1 / LC2 / LC3 / LD1	LOW VOLTAGE SWITCHES. REFERENCE DETAILS FOR TYPES.		
	WALL MOUNTED OCCUPANCY SENSOR.	WALL	96", UNO
	CORNER MOUNTED OCCUPANCY SENSOR.		
	CEILING MOUNTED DUAL TECH OCCUPANCY SENSOR. WATTSTOPPER DT-300 SERIES OREQ.	CEILING	SURFACE
	CEILING MOUNTED DAYLIGHT SENSOR.		
PC	WALL MOUNTED OUTDOOR PHOTOCELL	WALL	96", UNO
LC	LIGHTING CONTROL PANEL/CONTACTOR.	WALL	72" TO TOP

WIRING DEVICE SYMBOLS

SYMBOL	DESCRIPTION	MOUNTING LOC.	MOUNTING HT.
	SOLID HATCH INDICATES DEVICE CONNECTED TO EMERGENCY POWER. PROVIDE RED DEVICE WITH COVERPLATE TO MATCH REST OF ROOM.	WALL, UNO	VARIES
x	DUPLEX RECEPTACLE, 20A, 125V, NEMA 5-20R, WITH COVERPLATE MOUNTED VERTICALLY.	WALL, UNO	16"
x	DUPLEX RECEPTACLE, 20A, 125V, NEMA 5-20R, WITH COVERPLATE. EXTRA LINE INDICATES DEVICE TO BE MOUNTED HORIZONTALLY.		
x	DOUBLE DUPLEX RECEPTACLE, 20A, 125V, NEMA 5-20R, WITH COMMON COVERPLATE.		
x	SINGLE RECEPTACLE, 20A, 125V, NEMA 5-20R, WITH COVERPLATE MOUNTED VERTICALLY.		
x	SPECIAL PURPOSE RECEPTACLE WITH COVERPLATE. REFER TO PLANS FOR TYPE.	WALL, UNO	44", UNO
x	DUPLEX RECEPTACLE, 20A, 125V, NEMA 5-20R, WITH COVERPLATE MOUNTED VERTICALLY.		
x	DUPLEX RECEPTACLE, 20A, 125V, NEMA 5-20R, WITH COVERPLATE. EXTRA LINE INDICATES DEVICE TO BE MOUNTED PER 20A PRIOR TO ROUGH-IN.		
x	DOUBLE DUPLEX RECEPTACLE, 20A, 125V, NEMA 5-20R, WITH COMMON COVERPLATE.		
x	SINGLE RECEPTACLE, 20A, 125V, NEMA 5-20R, WITH COVERPLATE MOUNTED VERTICALLY.		
x	IN FLOOR SINGLE RECEPTACLE. TYPE AS INDICATED ON PLANS.	FLOOR	VARIES
x	IN FLOOR DUPLEX RECEPTACLE. TYPE AS INDICATED ON PLANS.		
x	IN FLOOR DOUBLE DUPLEX RECEPTACLE. TYPE AS INDICATED ON PLANS.		
x	IN FLOOR SPECIAL PURPOSE RECEPTACLE. TYPE AS INDICATED ON PLANS.		
x	CEILING MOUNTED SINGLE RECEPTACLE.	CEILING	FLUSH
x	CEILING MOUNTED DUPLEX RECEPTACLE.		
x	CEILING MOUNTED DOUBLE DUPLEX RECEPTACLE.		
x	CEILING MOUNTED SPECIAL PURPOSE RECEPTACLE.		
x	PEDESTAL MOUNTED SINGLE RECEPTACLE.	FLOOR	VARIES
x	PEDESTAL MOUNTED DUPLEX RECEPTACLE.		
x	PEDESTAL MOUNTED DOUBLE DUPLEX RECEPTACLE.		
x	PEDESTAL MOUNTED SPECIAL PURPOSE RECEPTACLE.		
	'X' INDICATES RECEPTACLE TYPE OTHER THAN STANDARD NO DESIGNATOR INDICATES STANDARD POWER DEVICE GFI = GFCI RATED GFT = GFCI RATED AND TAMPER RESISTANT TR = TAMPER RESISTANT IG = ISOLATED GROUND U = USB CHARGING PORTS SR = SOUND REINFORCEMENT IFP - INTERACTIVE FLAT PANEL VID = VIDEO OUTLET VP = VIDEO PROJECTOR — 96" WC = WATER COOLER — 80" WF = WASH FOUNTAIN WP = WEATHER-PROOF AND GFCI RATED (METAL IN-USE COVERPLATE) MW = MICROWAVE - COORDINATE WITH CASEWORK INSTALLER. — 60"		
x	FLOOR BOX WITH TWO (2) DUPLEX RECEPTACLES, NEMA 5-20R, UNO. 'X' INDICATES TYPE, REFER TO SPECIFICATIONS. PROVIDE PROPER COVER FOR THE ASSOCIATED FLOOR TYPE (CARPET, TILE, WOOD, ETC.) COORDINATE WITH FLOOR INSTALLER.	FLOOR	VARIES
x	POKE-THRU WITH TWO (2) DUPLEX RECEPTACLES, NEMA 5-20R, UNO. 'X' INDICATES TYPE, REFER TO SPECIFICATIONS. PROVIDE PROPER COVER FOR THE ASSOCIATED FLOOR TYPE (CARPET, TILE, WOOD, ETC.) COORDINATE WITH FLOOR INSTALLER.		
	JUNCTION BOX OR EQUIPMENT CONNECTION.	VARIES, SEE PLANS	VARIES, SEE PLANS
	JUNCTION BOX OR EQUIPMENT CONNECTION WITH SWITCH FOR MAINTENANCE DISCONNECT. PROVIDE SWITCH RATED FOR VOLTAGE AND LOAD SHOWN ON PLANS.		
	WALL MOUNTED JUNCTION BOX.		
	MOTOR CONNECTION.	N/A	N/A
	MOTOR CONNECTION WITH SWITCH FOR MAINTENANCE DISCONNECT. PROVIDE SWITCH RATED FOR VOLTAGE AND LOAD SHOWN ON PLANS.		
DT	0-8 HOUR COUNTDOWN TIMER RATED FOR LOAD BEING CONTROLLED. INTERMATIC #EJ220W OR EQUAL.	WALL	44", UNO
F	20A, FUSED MOTOR SWITCH, PROVIDE OVERLOADS RATED TO MOTOR.		
	CORD REEL RECEPTACLE. REFER TO SPECIFICATIONS FOR TYPE.	STRUCTURE	VARIES
	DROP CORD RECEPTACLE. REFER TO ASSOCIATED DROP CORD DETAIL FOR MORE INFORMATION.		

ELECTRICAL EQUIPMENT SYMBOLS

SYMBOL	DESCRIPTION	MOUNTING LOC.	MOUNTING HT.
	SURFACE MOUNTED PANELBOARD - CIRCUIT BREAKER TYPE. DASHED LINES ON PLAN INDICATE CLEARANCES. REFER TO PANEL SCHEDULES AND ONE-LINE DIAGRAM.	VARIES	78" TO TOP
	FLUSH MOUNTED PANELBOARD - CIRCUIT BREAKER TYPE. DASHED LINES ON PLAN INDICATE CLEARANCES. REFER TO PANEL SCHEDULES AND ONE-LINE DIAGRAM.		
	DISTRIBUTION PANEL - CIRCUIT BREAKER TYPE. DASHED LINES ON PLAN INDICATE CLEARANCES. REFER TO PANEL SCHEDULES AND ONE-LINE DIAGRAM.	VARIES	VARIES
	METER BASE.	VARIES	78" TO TOP
	NON-FUSED DISCONNECT SWITCH.	VARIES	VARIES
	FUSED DISCONNECT SWITCH.		
	COMBINATION MAGNETIC MOTOR STARTER AND DISCONNECT SWITCH.		
	MAGNETIC MOTOR STARTER.		
CP	CONTROL PANEL. REFER TO PLANS FOR MORE INFORMATION.	VARIES	72" TO TOP
ATS	AUTOMATIC TRANSFER SWITCH.		
MTS	MANUAL TRANSFER SWITCH.		
ECB	ENCLOSED CIRCUIT BREAKER.		
VFD	VARIABLE FREQUENCY DRIVE.		
	GROUND BAR. REFER TO GROUNDING DETAIL.	WALL	16"

SECURITY/ACCESS CONTROL SYMBOLS

SYMBOL	DESCRIPTION	MOUNTING LOC.	MOUNTING HT.
ACP	ACCESS CONTROL SYSTEM CONTROL PANEL. DIVISION 26 TO PROVIDE 120V CONNECTION TO PANEL AS REQUIRED. COORDINATE WORK WITH DIVISION 28.	WALL	72" TO TOP
SCP	SECURITY SYSTEM CONTROL PANEL. DIVISION 26 TO PROVIDE 120V CONNECTION TO PANEL AS REQUIRED. COORDINATE WORK WITH DIVISION 28.		
EL	ELECTRIC LOCK, PROVIDED BY DIVISION 08. PROVIDE 3/4" CONDUIT WITH PLASTIC BUSHING FROM DOOR FRAME TO ABOVE ACCESSIBLE CEILING. COORDINATE ROUGH-IN REQUIREMENTS WITH DIVISION 08 AND DIVISION 28.	DOOR	SEE PLANS
DC	DOOR CONTACT, PROVIDED BY DIVISION 28. PROVIDE 3/4" CONDUIT WITH PLASTIC BUSHING FROM DOOR FRAME TO ABOVE ACCESSIBLE CEILING. COORDINATE ROUGH-IN REQUIREMENTS WITH DIVISION 08 AND DIVISION 28.		
REX	REQUEST TO EXIT DEVICE, PROVIDED BY DIVISION 28. PROVIDE 3/4" CONDUIT WITH PLASTIC BUSHING FROM DOOR FRAME TO ABOVE ACCESSIBLE CEILING. COORDINATE ROUGH-IN REQUIREMENTS WITH DIVISION 08 AND DIVISION 28.	VARIES	VARIES
CR	CARD READER, PROVIDED BY DIVISION 28. PROVIDE SINGLE GANG BACK BOX WITH 3/4" CONDUIT WITH PLASTIC BUSHING TO ABOVE ACCESSIBLE CEILING. COORDINATE WITH DIVISION 28 PRIOR TO ROUGH-IN.	WALL	44"
KP	KEYPAD, PROVIDED BY DIVISION 28. PROVIDE SINGLE GANG BACK BOX WITH 3/4" CONDUIT WITH PLASTIC BUSHING TO ABOVE ACCESSIBLE CEILING. COORDINATE WITH DIVISION 28 PRIOR TO ROUGH-IN.	WALL	44"
MD	CEILING MOUNT MOTION DETECTOR. PROVIDE ROUGH-IN IN HARD CEILING AS REQUIRED FOR INSTALLATION. PROVIDE 3/4" CONDUIT WITH PLASTIC BUSHING TO ABOVE ACCESSIBLE CEILING. COORDINATE BACK BOX AND WORK WITH DIVISION 28.	HARD CEILING	N/A
WD	WALL MOUNT MOTION DETECTOR. PROVIDE SINGLE GANG BACK BOX WITH 3/4" CONDUIT WITH PLASTIC BUSHING TO ABOVE ACCESSIBLE CEILING. COORDINATE WORK WITH DIVISION 28.	WALL	96", UNO
EC	SECURITY SYSTEM ALARM BELL PROVIDED BY DIVISION 28. PROVIDE BACK BOX AND PATHWAY AS REQUIRED. COORDINATE WITH DIVISION 28.	WALL	80", UNO
H	VOICE ONLY INTERCOM STATION BY DIVISION 28. BACK BOX FURNISHED BY DIVISION 28, INSTALLED BY DIVISION 26. PROVIDE 1" CONDUIT WITH PLASTIC BUSHING TO ABOVE ACCESSIBLE CEILING.	WALL	44"
H	VOICE & VIDEO INTERCOM STATION BY DIVISION 28. BACK BOX FURNISHED BY DIVISION 28, INSTALLED BY DIVISION 26. PROVIDE 1" CONDUIT WITH PLASTIC BUSHING TO ABOVE ACCESSIBLE CEILING.		
KM	DESK MOUNT MASTER INTERCOM STATION PROVIDED BY DIVISION 28. COORDINATE PATHWAY REQUIREMENTS WITH DIVISION 28.	VARIES	VARIES
	ELECTRONIC DOOR RELASE PUSHBUTTON PROVIDED BY DIVISION 28. COORDINATE PATHWAY REQUIREMENTS WITH DIVISION 28.		

MISCELLANEOUS SYMBOLS

SYMBOL	DESCRIPTION	MOUNTING LOC.	MOUNTING HT.
GCPx	GYM EQUIPMENT CONTROL PANEL FURNISHED BY GYM EQUIPMENT INSTALLER. DIVISION 26 TO PROVIDE POWER CONNECTIONS TO ALL GYM EQUIPMENT SHOWN ON PLANS.	WALL	72" TO TOP
GEC	GYM EQUIPMENT CONTROLLER FURNISHED BY GYM EQUIPMENT INSTALLER. DIVISION 26 TO PROVIDE BACK BOX AND ALL NECESSARY POWER/CONTROL WIRING TO GYM EQUIPMENT CONTROL PANEL.	WALL	44"
GA	GENERATOR ANNUNCIATOR PANEL. REFER TO SPECIFICATIONS.	WALL	56"
FUSE	SPARE FUSE CABINET. REFER TO SPECIFICATIONS.	WALL	72" TO TOP
	AUTOMATIC DOOR OPERATOR FURNISHED BY DIVISION 08, INSTALLED BY DIVISION 26. COORDINATE WITH DOOR INSTALLER.	WALL	44"
	PUSH BUTTON. REFER TO DRAWINGS FOR MORE INFORMATION.		
	PUSH BUTTON. REFER TO DRAWINGS FOR MORE INFORMATION.		

TECHNOLOGY OUTLET SYMBOLS

STUB ALL CONDUITS FOR TECHNOLOGY OUTLETS ABOVE ACCESSIBLE CEILING, UNO. PROVIDE PULL STRING AND PLASTIC BUSHING ON END OF EACH CONDUIT. PROVIDE COVERPLATE FOR UNUSED BOXES.

SYMBOL	DESCRIPTION	MOUNTING LOC.	MOUNTING HT.
	DATA OUTLET. 2-GANG, 3.5" DEEP BOX WITH 2-GANG EXTENSION RING. PROVIDE ONE (1) 1" CONDUIT.	WALL	16", UNO
	VOICE & DATA OUTLET. 2-GANG, 3.5" DEEP BOX WITH 2-GANG EXTENSION RING. PROVIDE ONE (1) 1-1/4" CONDUIT.		
	VOICE OUTLET. 2-GANG, 3.5" DEEP BOX WITH 1-GANG EXTENSION RING. PROVIDE ONE (1) 1" CONDUIT.	WALL	44"
LI	LOCAL INPUT OUTLET. 2-GANG, 3.5" DEEP BOX WITH 2-GANG EXTENSION RING. PROVIDE ONE (1) 1-1/4" CONDUIT.	WALL	16", UNO
IFP	INTERACTIVE FLAT PANEL OUTLET. 2-GANG, 3.5" DEEP BOX WITH 2-GANG EXTENSION RING. PROVIDE ONE (1) 1-1/4" CONDUIT.	WALL	44"
LVP	LARGE VENUE PROJECTOR OUTLET. 2-GANG, 3.5" DEEP BOX WITH 2-GANG EXTENSION RING. PROVIDE TWO (2) 1-1/4" CONDUIT.	WALL	AS NOTED
SA	GYMNASIUM AUDIO SYSTEM OUTLET. 2-GANG, 3.5" DEEP BOX WITH 2-GANG EXTENSION RING. PROVIDE TWO (2) 1-1/4" CONDUIT.	WALL	16"
SP	STAGE PRESENTER OUTLET. 2-GANG, 3.5" DEEP BOX WITH 2-GANG EXTENSION RING. PROVIDE TWO (2) 1-1/4" CONDUIT.		
TPC	TEACHER PERSONAL COMPUTER OUTLET. 2-GANG, 3.5" DEEP BOX WITH 2-GANG EXTENSION RING. PROVIDE TWO (2) 1-1/4" CONDUIT.		
SR	SOUND REINFORCEMENT OUTLET. 4-11/16", 3.5" DEEP BOX WITH 2-GANG EXTENSION RING. PROVIDE TWO (2) 1-1/4" CONDUIT.	WALL	44"
VID	VIDEO MONITOR OUTLET. 2-GANG, 3.5" DEEP BOX WITH 2-GANG EXTENSION RING. PROVIDE ONE (1) 1-1/4" CONDUIT.	WALL	96", UNO
CAM	CAMERA OUTLET. 2-GANG, 3.5" DEEP BOX WITH 1-GANG EXTENSION RING. PROVIDE ONE (1) 1" CONDUIT. PROVIDE WEATHERPROOF COVERPLATE FOR EXTERIOR APPLICATIONS.	WALL	144", UNO
WAP	WIRELESS ACCESS POINT OUTLET. 2-GANG, 3.5" DEEP BOX WITH 1-GANG EXTENSION RING. PROVIDE ONE (1) 1" CONDUIT. PROVIDE WEATHERPROOF COVERPLATE FOR EXTERIOR APPLICATIONS.		

AUDIO DEVICE SYMBOLS

SYMBOL	DESCRIPTION	MOUNTING LOC.	MOUNTING HT.
PA	PUBLIC ADDRESS SOUND SYSTEM RACK.	FLOOR	N/A
SD	STUDENT DINING SOUND SYSTEM RACK.		
GS	GYMNASIUM SOUND SYSTEM RACK.		
PR	PORTABLE SOUND SYSTEM RACK.		
MS	MUSIC/VOCAL ROOM SOUND SYSTEM RACK.		
	HANGING MICROPHONE PROVIDED BY DIVISION 28. DIVISION 26 TO PROVIDE CEILING MOUNTED JUNCTION BOX AND RACEWAY AS REQUIRED. COORDINATE WITH DIVISION 28.	WALL	16", UNO
H	MICROPHONE OUTLET. 1-GANG, 3.5" DEEP BOX WITH 1-GANG EXTENSION RING. PROVIDE 1" CONDUIT TO ABOVE ACCESSIBLE CEILING WITH PULL WIRE. PROVIDE PLASTIC BUSHING ON END OF CONDUIT.		
H	AUXILIARY/MICROPHONE OUTLET. 2-GANG, 3.5" DEEP BOX WITH 1-GANG EXTENSION RING. PROVIDE 1" CONDUIT TO ABOVE ACCESSIBLE CEILING WITH PULL WIRE. PROVIDE PLASTIC BUSHING ON END OF CONDUIT.		
	SPEAKER FOR PA SYSTEM, UNO. PROVIDE ROUGH-IN AND RACEWAY AS REQUIRED IN HARD CEILINGS. COORDINATE WITH DIVISION 27.	HARD CEILING	N/A
	SPEAKER FOR LOCAL SOUND REINFORCEMENT. PROVIDE ROUGH-IN AND RACEWAY AS REQUIRED IN HARD CEILINGS. COORDINATE WITH DIVISION 27.		
	SPEAKER FOR STUDENT DINING SOUND SYSTEM PROVIDED BY DIVISION 27. DIVISION 26 TO PROVIDE JUNCTION BOX AT SPEAKER LOCATION AND PATHWAYS AS REQUIRED. COORDINATE WITH DIVISION 27.	VARIES	SEE PLANS
	SPEAKER FOR GYMNASIUM SOUND SYSTEM PROVIDED BY DIVISION 27. DIVISION 26 TO PROVIDE JUNCTION BOX AT SPEAKER LOCATION AND PATHWAYS AS REQUIRED. COORDINATE WITH DIVISION 27.		
	SPEAKER FOR PA SOUND SYSTEM. PROVIDE 3/4" CONDUIT FROM CUSTOM BACK BOX, PROVIDED BY DIVISION 27, TO ABOVE ACCESSIBLE CEILING, PROVIDE PULL STRING AND PLASTIC BUSHING ON END OF CONDUIT.	WALL	144", UNO
	HORN TYPE SPEAKER PROVIDED BY DIVISION 28. PROVIDE 1-GANG, 3.5" DEEP BOX WITH 1-GANG EXTENSION RING. PROVIDE 3/4" CONDUIT WITH PULL STRING TO ABOVE ACCESSIBLE CEILING. PROVIDE PLASTIC BUSHING ON END OF CONDUIT.		
	SOUND SYSTEM SPEAKER. PROVIDE ROUGH-IN AS REQUIRED FOR INSTALLATION. COORDINATE WORK WITH DIVISION 28.	VARIES	SEE PLANS
	CALL-IN SWITCH FOR PA SYSTEM. PROVIDE 1-GANG, 3.5" DEEP BOX WITH 1-GANG EXTENSION RING. PROVIDE 3/4" CONDUIT WITH PULL STRING TO ABOVE ACCESSIBLE CEILING. PROVIDE PLASTIC BUSHING ON END OF CONDUIT.	WALL	44"
	VOLUME CONTROL FOR PA SYSTEM. PROVIDE 1-GANG, 3.5" DEEP BOX WITH 1-GANG EXTENSION RING. PROVIDE 3/4" CONDUIT WITH PULL STRING TO ABOVE ACCESSIBLE CEILING. PROVIDE PLASTIC BUSHING ON END OF CONDUIT.		
	ADMINISTRATIVE CONSOLE FOR PA SYSTEM. PROVIDE BACK BOX AND PATHWAY AS REQUIRED FOR INSTALLATION. COORDINATE WITH DIVISION 28.	VARIES	SEE PLANS

ELECTRICAL SHEET INDEX

SHEET NUMBER	SHEET NAME
E1.1	GENERAL NOTES, ABBREVIATIONS, LEGENDS AND SHEET INDEX
E1.2	ELECTRICAL DETAILS AND LUMINAIRE SCHEDULE
E2.1	SITE ELECTRICAL PLAN
E3.1	FIRST FLOOR SYSTEMS PLAN - CONCESSION STAND
E4.1	LIGHTING PLAN - CONCESSION AND LIGHTING AND POWER PLAN - PAVILION
E5.1	POWER PLAN - CONCESSION
E8.1	ELECTRICAL ONE-LINE DIAGRAMS AND PANEL SCHEDULES

ELECTRICAL GENERAL NOTES

A ALL GENERAL WALL MOUNT WIRING DEVICES TO BE WHITE IN COLOR. COVERPLATES TO BE WHITE, NYLON, UNBREAKABLE TYPE. CEILING MOUNT RECEPTACLES TO BE WHITE IN COLOR WITH WHITE, NYLON, UNBREAKABLE COVERS.

B ALL MOUNTING HEIGHTS REFER TO THE BOTTOM OF BOX OR DEVICE UNO.

C ALL CONDUIT TO BE CONCEALED.

D TICK MARKS ON LIGHTING PLAN CIRCUITING INDICATE A CHANGE IN SWITCHING.

E ALL WORK SHALL CONFORM TO THE 2023 N.E.C., NATIONAL, STATE, AND LOCAL CODES WHICH APPLY.

F ALL MATERIAL AND EQUIPMENT SHALL CONFORM TO U.L. AND NEMA STANDARDS WHICH APPLY.

G THIS CONTRACTOR SHALL PAY ALL FEES AND OBTAIN ALL PERMITS REQUIRED TO THE EXECUTION OF HIS WORK.

H THIS CONTRACTOR SHALL GUARANTEE HIS ENTIRE ELECTRICAL INSTALLATION AGAINST DEFECTS IN WORKMANSHIP AND MATERIALS FOR A PERIOD OF ONE (1) YEAR.

I WIRE SIZES BASED ON AWG (AMERICAN WIRE GAUGE) OR KCMIL, MINIMUM WIRE SIZE SHALL BE 12 AWG, UNO.

J CONDUCTORS SHALL BE TYPE 'THHN/THWN' STRANDED COPPER. CONDUCTORS 6 AWG, AND LARGER, MAY BE COPPER OR ALUMINUM.

K EXPOSED EXTERIOR CONDUIT SHALL BE RIGID GALVANIZED STEEL OR INTERMEDIATE GRADE METAL CONDUIT. INTERIOR CONDUIT MAY BE ELECTRICAL METALIC TUBING. CONDUIT BURIED BELOW GRADE SHALL BE SCHEDULE 40 PVC WITH APPROPRIATE SIZE GREEN GROUND WIRE UNO.

ELECTRICAL LIGHTING CONTROL GENERAL NOTES

A ALL SENSOR LOCATIONS ARE APPROXIMATE. REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS PRIOR TO INSTALLATION. IF PENDANT FIXTURES ARE PRESENT, LOCATION AND COVERAGE OF SENSORS SHOULD BE REVIEWED.

B ULTRASONIC CEILING MOUNT SENSORS REQUIRE THAT THEY BE LOCATED NO CLOSER THAN 6' TO AIR SUPPLY/RETURN REGISTERS.

C CONTRACTOR IS RESPONSIBLE FOR PROPER SENSITIVITY AND TIME DELAY SETTINGS, VERIFICATION OF MANUFACTURER'S RECOMMENDED PLACEMENT, AND FIELD VERIFICATION OF CIRCUITS WITH RESPECT TO POWER PACK PLACEMENT.

D CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF REQUIRED NUMBER OF POWER PACKS. ONE POWER PACK IS REQUIRED FOR EACH CONTROL/TOGGLE SWITCH. MAXIMUM NUMBER OF SENSORS THAT CAN BE WIRED IN PARALLEL TO A SINGLE POWERPACK IS DEPENDENT ON SENSOR MODEL (SEE INDIVIDUAL DATA SHEETS FOR mA CONSUMPTION).

E EQUALS BY LEVITON, SENSORSWITCH, WATTSTOPPER, CRESTRON, NOVITALS, LUTRON, STARFIELD, AND COOPER.

NOTE: ALL SY

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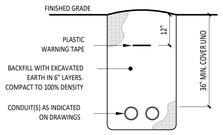
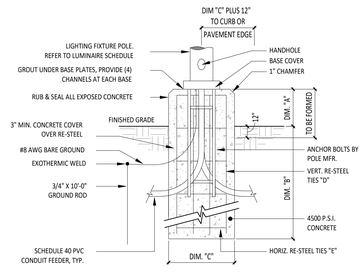


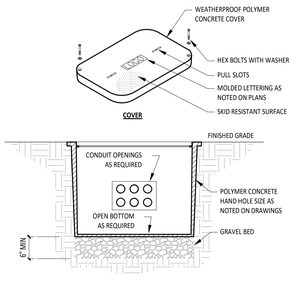
1 / E1.2 — SERVICE CONDUIT TRENCH DETAIL
NTS



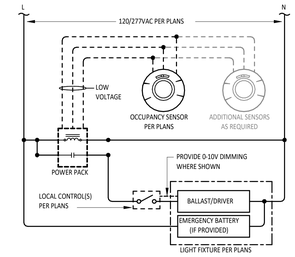
DIM. "A" 6", UNLESS NOTED OTHERWISE	VERTICAL STEEL "D" 6 EA. #5 DIA.
DIM. "B" 5'-0"	HORIZONTAL STEEL "E" #4 AT 15" C/C
DIM. "C" 24" ROUND	

NOTE:
1. TACK WELD ALL ANCHOR BOLT NUTS IN PLACE WHEN POLES ARE SET AND PLUMB. REPAIR FINISH WITH COLD GALVANIZING COMPOUND.
2. SET POLES USING DOUBLE NUT CONSTRUCTION METHOD.

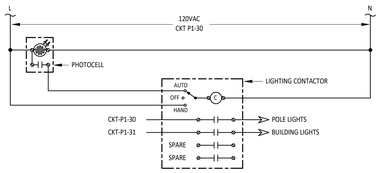
2 / E1.2 — CONCRETE POLE BASE DETAIL - 15'-0" POLE
NTS



3 / E1.2 — IN-GRADE HAND HOLE ENCLOSURE
NTS

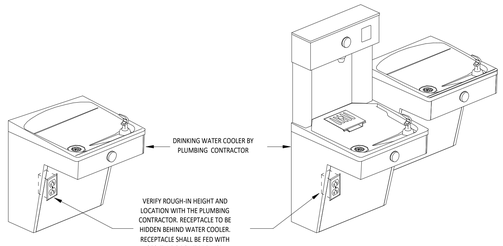


4 / E1.2 — LOW VOLTAGE CEILING MOUNT OCCUPANCY SENSOR
NTS

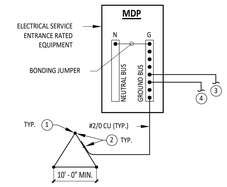


GENERAL NOTES:
1. PHOTOCELL SHALL BE INTERMATIC K4236C, OREQ.
2. PROVIDE AN ELECTRICALLY HELD LIGHTING CONTACTOR WITH 120VAC COIL AND NUMBER OF POLES AS SHOWN, NEMA 1 ENCLOSURE.
3. CONTACTOR SHALL HAVE INTEGRAL H-O-A SELECTOR SWITCH.

5 / E1.2 — EXTERIOR LIGHTING CONTROL DIAGRAM
NTS



6 / E1.2 — WATER COOLER RECEPTACLE DETAIL
NTS



DETAIL NOTES
1. GROUND ROD, 3/4"x10'-0" LONG. BURY TOP OF GROUND ROD AT 6" BELOW FINISH GRADE.
2. EXOTHERMIC WELDED CONNECTION.
3. TO ADDITIONAL CONNECTIONS AS REQUIRED BY N.E.C. ARTICLE 250.
4. PROVIDE GROUNDING CONDUCTOR TO TECHNOLOGY MAIN GROUND BAR (TMGB). REFER TO BONDING AND GROUNDING DETAIL ON TECHNOLOGY DRAWINGS FOR CONDUCTOR SIZE.

7 / E1.2 — SERVICE GROUNDING ELECTRODE SYSTEM
NTS

LUMINAIRE SCHEDULE

MARK	MOUNTING	LAMPS TYPE	LAMPS MIN. LUMENS	LAMPS CCT	LAMPS CRI	BALLAST/DRIVER	FIXTURE VOLTAGE	INPUT WATTS	FIXTURE DESCRIPTION	COMMENTS	BASIS OF DESIGN & APPROVED MANUFACTURERS
A1	SURFACE	LED	8000	4000K	80 CRI	ELECTRONIC DRIVER	UNV	60 W	LED CANOPY LUMINAIRE, DIE CAST ALUMINUM HOUSING, BLACK FINISH, PRISMATIC LENS, SWITCHABLE LUMENS AND CCT, WET LOCATION LISTED.	SET LUMENS TO HIGH AND CCT TO 4000K.	ILP | VCS-3L/5L/7L-U-CCTS-M-BLK LUMARK | CLCS LITHONIA | CNY ENVOY | ECPSR
B1	SURFACE	LED	3776	4000K	80 CRI	0-10V DIMMING DOWN TO 10%	120V	25 W	4' LED STRIP, STEEL HOUSING, WHITE POWDER COAT FINISH, IMPACT RESISTANT FROSTED ACRYLIC LENS, SELECTABLE LUMENS AND CCT.	SET AT LOW LUMENS AND 4000K.	ILP | VS4 3L/4L/5L U CCTS FRL METALUX | SLSTP LITHONIA | CSS ENVOY | ETH
B2	SURFACE	LED	5089	4000K	80 CRI	0-10V DIMMING DOWN TO 10%	120V	37 W	4' LED STRIP, STEEL HOUSING, WHITE POWDER COAT FINISH, IMPACT RESISTANT FROSTED ACRYLIC LENS, SELECTABLE LUMENS AND CCT.	SET AT HIGH LUMENS AND 4000K.	ILP | VS4 3L/4L/5L U CCTS FRL METALUX | SLSTP LITHONIA | CSS ENVOY | ETH
C1	SURFACE	LED	3657	4000K	80 CRI	0-10V DIMMING DOWN TO 10%	120V	31 W	4' LED WRAP, WHITE STEEL HOUSING, FROSTED POLYCARBONATE IMPACT RESISTANT LENS, SELECTABLE LUMENS AND CCT.	SET AT LOW LUMENS AND 4000K.	ILP | SWR4 36L/48L/60L U CCTS METALUX | 4AWS LITHONIA | FML4W ENVOY | EWRE
C2	SURFACE	LED	5947	4000K	80 CRI	0-10V DIMMING DOWN TO 10%	120V	51 W	4' LED WRAP, WHITE STEEL HOUSING, FROSTED POLYCARBONATE IMPACT RESISTANT LENS, SELECTABLE LUMENS AND CCT.	SET AT HIGH LUMENS AND 4000K.	ILP | SWR4 36L/48L/60L U CCTS METALUX | 4AWS LITHONIA | FML4W ENVOY | EWRE
D1	SURFACE	LED	700	4000K	80 CRI	0-10V DIMMING DOWN TO 10%	120V	8 W	4" SURFACE MOUNT ROUND DOWNLIGHT, ALUMINUM TRIM, POLYCARBONATE LENS, SWITCHABLE CCT, WET LOCATION LISTED.	SET CCT AT 4000K.	PRESCOLITE | LBSD 4RD CS9 WH HALO | SMD4 JUNO | JSF NORA | NLOS
EM1	WALL	LED	144	N/A	N/A	ELECTRONIC DRIVER	120V	1 W	EMERGENCY LIGHT, WHITE THERMOPLASTIC HOUSING, DAMP LOCATION.	MOUNT AT 8' 0" AFF. POWER AHEAD OF SWITCHING.	ILP | EXL1-U-WH SURE-LITES | SEL LITHONIA | ELM2L ENVOY | EEXA
EM2	WALL	LED	144	N/A	N/A	ELECTRONIC DRIVER	120V	1 W	EMERGENCY LIGHT, WHITE THERMOPLASTIC HOUSING, REMOTE CAPACITY, DAMP LOCATION.	MOUNT AT 8' 0" AFF. POWER AHEAD OF SWITCHING.	ILP | EXL1-U-WH-RC SURE-LITES | SEL LITHONIA | ELM2L ENVOY | ECEMXTE
G1	SURFACE	LED	12000	4000K	80 CRI	0-10V DIMMING DOWN TO 10%	UNV	93 W	4' NARROW LINEAR VAPR TIGHT, RIBBED ACRYLIC FROSTED LENS, WET LOCATION LISTED.	PROVIDE WET LOCATION FITTINGS AS NECESSARY. MOUNT AT APPROXIMATELY 15' - 0" AFF.	ILP | WT24-12L-U-80CRI/CCT-RAFL METALUX | VT4 LITHONIA | CVST ADVANTAGE | LVT
P2	15'-0" POLE	LED	12000	4000K	70 CRI	0-10V DIMMING DOWN TO 10%	UNV	82 W	LED AREA LIGHT, DIE-CAST ALUMINUM HOUSING, POLYESTER BLACK POWDER COAT FINISH, TYPE II DISTRIBUTION, PIR MOTION SENSOR(DIM TO 10%)	PROVIDE 15' SQUARE STEEL POLE. SEE POLE BASE DETAIL.	ILP | SAS 12L U 40 T2 UMB BLK FSP-311/L3 LUMARK | PRV LITHONIA | EAX TRACE-LITE | RXAR
P5	15'-0" POLE	LED	12000	4000K	70 CRI	0-10V DIMMING DOWN TO 10%	UNV	82 W	LED AREA LIGHT, DIE-CAST ALUMINUM HOUSING, POLYESTER BLACK POWDER COAT FINISH, TYPE V DISTRIBUTION, PIR MOTION SENSOR(DIM TO 10%)	PROVIDE 15' SQUARE STEEL POLE. SEE POLE BASE DETAIL.	ILP | SAS 12L U 40 T5S UMB BLK FSP-311/L3 LUMARK | PRV LITHONIA | EAX TRACE-LITE | RXAR
R1	WALL	LED	N/A	N/A	N/A	ELECTRONIC DRIVER	3.6VDC	3 W	EMERGENCY LIGHT REMOTE, SINGLE HEAD, WEATHER-PROOF.	POWERED FROM 'EM2' FIXTURE. MOUNT AT 7' 6" AFF.	ILP | EXR1-WHS-WL SURE-LITE | SRP LITHONIA | ERE ENVOY | ERHLED

MATTHEW R. HIBNER
LICENSE #1416052
EXPIRATION DATE: 12/31/2027

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(ARCHITECTURE)

NEW BUILDING FOR

ARCANUM BOOSTER STADIUM PHASE III IMPROVEMENTS

110 NORTH MAIN STREET, ARCANUM, OH 45304

ISSUANCES/REVISIONS

CD PHASE SUBMISSION	01/06/2026

PROJECT NUMBER:	DRAWN BY:	CHECKED BY:
23047.03	KCR	CDH

SHEET TITLE:
ELECTRICAL DETAILS AND LUMINAIRE SCHEDULE

SHEET NUMBER:
E1.2

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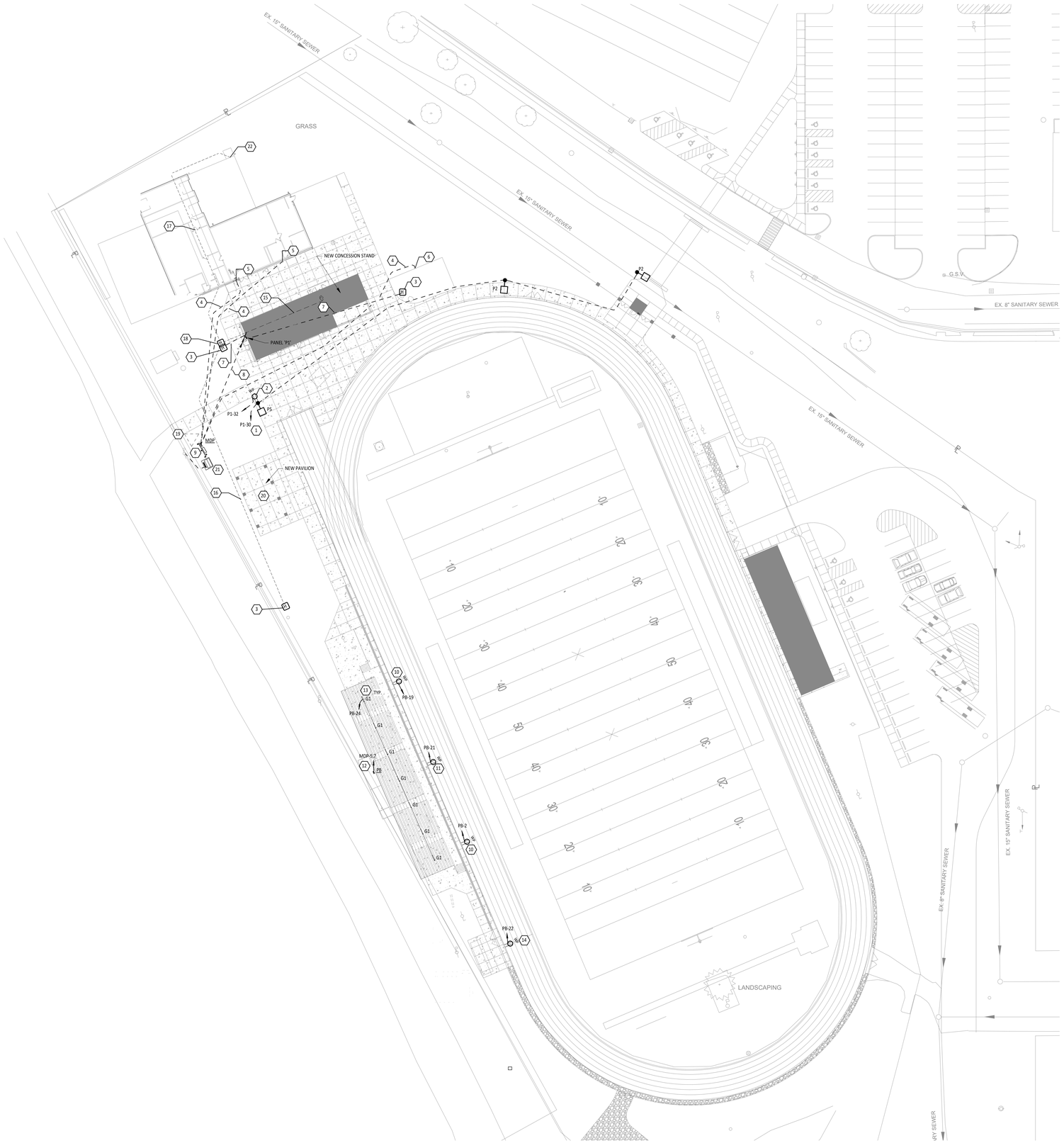

1 E2.1 **ELECTRICAL SITE PLAN**
1" = 30'-0"

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UTILITY COMPANY CONTACT

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RANDY BAKER - UTILITY SUPERINTENDENT
(OFFICE) 937-692-8101
(CELL) 937-459-6017

ELECTRICAL SITE GENERAL NOTES

A SEE CIVIL SITE PLAN, AND LANDSCAPE SITE PLANS FOR EXACT LOCATION OF OTHER UTILITIES. INSTALLATION OF ELECTRICAL WORK SHALL BE COORDINATED WITH THE OTHER TRADES.
B ELECTRICAL UTILITY SERVICE CONDUITS TO BE MINIMUM OF 48" BELOW GRADE TO TOP OF CONDUITS.
C PROVIDE PULL WIRES IN ALL EMPTY CONDUITS.
D ALL UNDERGROUND CONDUIT SHALL BE 1" SCHEDULE 40 PVC, UNLESS NOTED OTHERWISE.
E COORDINATE CONSTRUCTION WITH THE ELECTRIC UTILITY COMPANY.

#	KEYNOTE DESCRIPTION
1	CIRCUIT TO BE ROUTED THROUGH LIGHTING CONTACTOR FOR CONTROL OF EXTERIOR LIGHTS. REFER TO DETAIL 5/E1.2.
2	LOCATE RECEPTACLE ON SIDE OF POLE AT SAME ELEVATION AS THE POLE HAND HOLE. CIRCUIT SHALL BE CONCEALED INSIDE THE POLE.
3	PROVIDE A FLUSH-IN-GRADE BOX (12"X12"X12" DEEP). PROVIDE QUAZITE PG STYLE OR EQUAL.
4	PROVIDE NEW UNDERGROUND ELECTRIC PANEL FEED ROUTED AROUND NEW BUILDING FOR EXISTING PANEL. REFER TO ONE-LINE FOR CONDUIT AND CONDUCTOR SIZE. EXISTING SERVICE CONDUIT AND CONDUCTORS SHALL BE REMOVED TO BELOW GRADE AND EXISTING UNDERGROUND SHALL BE ABANDONED IN PLACE. COORDINATE WORK WITH UTILITY COMPANY, OWNER AND OTHER TRADES.
5	EXISTING ELECTRIC PANEL INSIDE BUILDING TO REMAIN.
6	CUT EXISTING CONCRETE SIDEWALK AS NECESSARY FOR NEW UNDERGROUND ELECTRIC PANEL FEED FROM MDP. EXISTING CONCESSION BUILDING ELECTRIC SERVICE METER/SOCKET TO BE REMOVED. ELECTRIC PANEL FEED TO THE EXISTING CONCESSION BUILDING SHALL BE DEMOLISHED AFTER COMPLETION OF NEW CONCESSION BUILDING. REFER TO ONE-LINE DRAWINGS FOR MORE INFORMATION.
7	PROVIDE (2) 1" UNDERGROUND CONDUITS WITH PULL STRING FROM PANEL P1 TO HAND HOLE FOR FUTURE CIRCUITS.
8	UNDERGROUND FEEDER FROM MDP TO P1. REFERENCE ONE-LINE DIAGRAM FOR FEEDER INFORMATION AND CONDUIT TRENCH DETAIL 1/E1.2.
9	PROVIDE MOUNTING RACK FOR ELECTRICAL EQUIPMENT. VERTICAL POSTS SHALL BE 4" GALVANIZED RIGID CONDUIT BURIED 3' MINIMUM BELOW GRADE. AUGER 12" HOLE FOR POSTS AND FILL WITH CONCRETE. PROVIDE GALVANIZED STEEL STRUT AS NECESSARY FOR HORIZONTAL MEMBERS.
10	PROVIDE RECEPTACLE AT BASE OF BLEACHERS NEAR THE FOOTBALL 30 YARD LINE. COORDINATE EXACT LOCATION WITH OWNER AND BLEACHER INSTALLER. PROVIDE #10 AWG CU CONDUCTORS.
11	PROVIDE RECEPTACLE AT BASE OF BLEACHERS NEAR THE FOOTBALL 50 YARD LINE. COORDINATE EXACT LOCATION WITH OWNER AND BLEACHER INSTALLER. PROVIDE #10 AWG CU CONDUCTORS.
12	PANEL PB FURNISHED BY BLEACHER CONTRACTOR AS PART OF PRE-WIRED PRESS BOX. DIVISION 26 SHALL PROVIDE FEED CONDUIT, CONDUCTORS AND GROUNDING. REFER TO ONE-LINE DRAWING FOR ADDITIONAL INFORMATION.
13	LIGHT FIXTURES TO ILLUMINATE PEDESTRIAN PATH UNDER BLEACHER SEATING. MOUNT FIXTURES APPROXIMATELY 15' - 0" AFF TO BLEACHER STRUCTURE. COORDINATE WORK WITH BLEACHER INSTALLER. PROVIDE PHOTOCELL AND TOGGLE SWITCH (WEATHER-PROOF) TO CONTROL LIGHTING CIRCUIT.
14	MOUNT RECEPTACLE ON FENCE POST NEAR TRACK FINISH LINE. COORDINATE EXACT LOCATION WITH OWNER AND FENCE INSTALLER PRIOR TO INSTALLATION. PROVIDE (2) #8 AWG CU, (1) #10 AWG CU GROUND CONDUCTORS.
15	PROVIDE TWO (2) 2" UNDERGROUND CONDUIT WITH PULL STRING FROM NEW TECHNOLOGY RACK TO NEW HAND HOLE FOR FUTURE CONNECTIONS. COORDINATE ALL WORK WITH DIVISION 27.
16	PROVIDE A 2" UNDERGROUND CONDUIT WITH PULL STRING FROM HAND HOLE TO HAND HOLE FOR FUTURE CONNECTIONS. COORDINATE ALL WORK WITH DIVISION 27.
17	PROVIDE A 2" UNDERGROUND CONDUIT WITH PULL STRING FROM NEW HAND HOLE TO EXISTING BUILDING FOR FUTURE CONNECTIONS. COORDINATE ALL WORK WITH DIVISION 27.
18	PROVIDE A FLUSH-IN-GRADE BOX (12"X12"X12" DEEP). PROVIDE QUAZITE PG STYLE OR EQUAL.
19	GROUND TRIAD. REFER TO DETAIL 7/E1.2 FOR ADDITIONAL INFORMATION.
20	REFER TO DETAIL 2/E4.1 MORE INFORMATION.
21	UTILITY TRANSFORMER. REFER TO ONE-LINE DRAWING FOR ADDITIONAL INFORMATION.
22	CONDUIT SHALL TURN UP ON EXTERIOR OF THE BUILDING, UP TO ABOVE INTERIOR CEILING HEIGHT. PROVIDE SMART LB FOR TECHNOLOGY CONDUIT TRANSITION FROM EXTERIOR TO INTERIOR OF THE BUILDING. COORDINATE WORK WITH TECHNOLOGY CONTRACTOR AND OWNER FOR EXACT POSITION.

Know what's **below.** Call **before you dig.**

STATE OF OHIO
MATTHEW R. HIBNER
1416052
REGISTERED ARCHITECT

MATTHEW R. HIBNER
LICENSE #1416052
EXPIRATION DATE: 12/31/2027

GARMANN MILLER
DAYTON, OHIO | CLEVELAND, OHIO | INDIANAPOLIS, INDIANA | FORT WAYNE, INDIANA
garmannmiller.com

NEW BUILDING FOR:
ARCANUM BOOSTER STADIUM PHASE III IMPROVEMENTS
310 NORTH MAIN STREET, ARCANUM, OH 45304

ISSUANCES/REVISIONS

CD PHASE SUBMISSION	01/06/2026

PROJECT NUMBER:	DRAWN BY:	CHECKED BY:
23047.03	KCR	CDH

SHEET TITLE:
SITE ELECTRICAL PLAN

SHEET NUMBER:
E2.1

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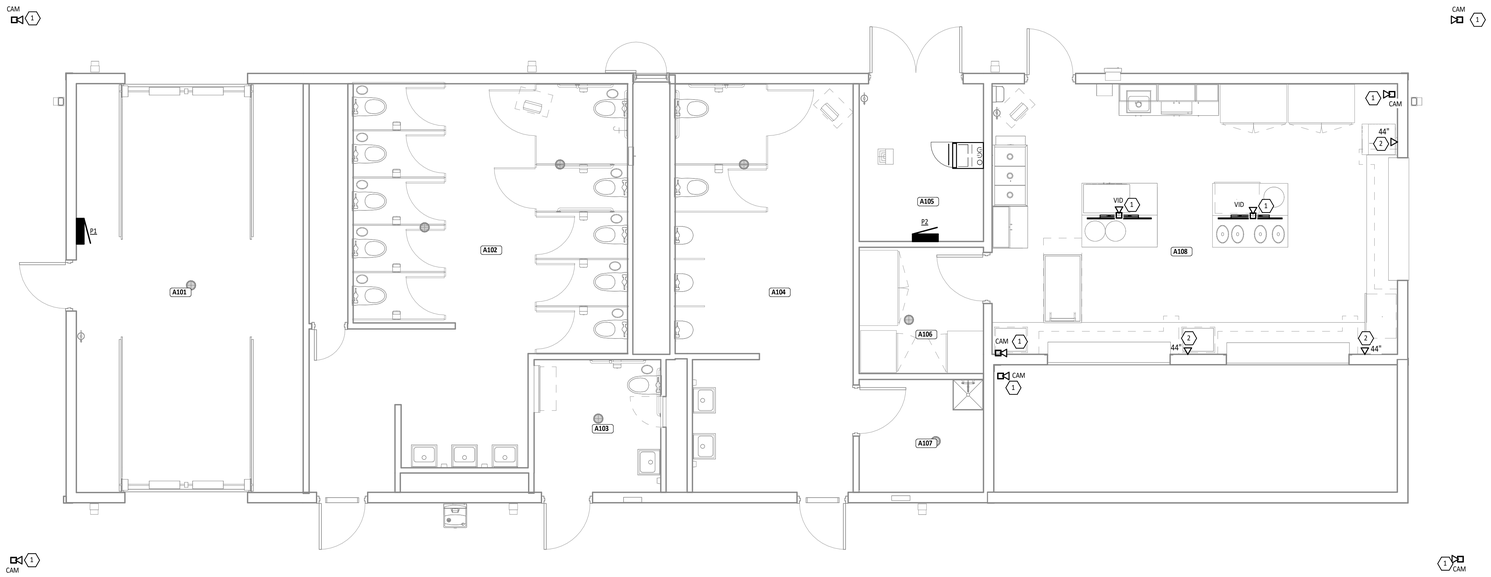

FIRST FLOOR PLAN ROOM INDEX - UNIT A

ROOM NUMBER	ROOM NAME	AREA
A101	STORAGE ROOM	394 SF
A102	WOMEN'S RESTROOM	431 SF
A103	FAMILY RESTROOM	72 SF
A104	MEN'S RESTROOM	297 SF
A105	MECHANICAL ROOM	83 SF
A106	STORAGE ROOM	67 SF
A107	JANITOR CLOSET	60 SF
A108	CONCESSION STAND	467 SF

SYSTEMS GENERAL NOTES

A WHERE DEVICES ARE SHOWN UNDER CABINETS, CASEWORK, FURNITURE AND THE LIKE; REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT PLACEMENT SO THAT DEVICES SHALL BE LOCATED WITHIN KNEE SPACE OR OPEN AREA.

B ALL MOUNTING HEIGHTS REFER TO BOTTOM OF BOX, UNO.

#	KEYNOTE DESCRIPTION
1	PROVIDE SINGLE GANG, FLUSH MOUNTED JUNCTION BOX IN EXTERIOR SOFFIT (OCTAGON BOX) OR INTERIOR CEILING OF BUILDING WITH 1" CONDUIT (WITH PULL STRING) TO 12" (MIN.) ABOVE INSULATION IN ACCESSIBLE ATTIC AREA. PROVIDE PLASTIC BUSHING ON END OF CONDUIT AND WEATHERPROOF BLANK COVER FOR EXTERIOR BOX. REFERENCE TECHNOLOGY DRAWINGS FOR MORE DETAILS. COORDINATE WORK WITH TECHNOLOGY CONTRACTOR PRIOR TO ROUGH-IN.
2	PROVIDE TECHNOLOGY ROUGH-IN WITH 1" CONDUIT (WITH PULL STRING) TO 12" (MIN.) ABOVE INSULATION IN ACCESSIBLE ATTIC AREA. PROVIDE PLASTIC BUSHING ON END OF CONDUIT. REFERENCE TECHNOLOGY DRAWINGS FOR MORE DETAILS. COORDINATE WORK WITH TECHNOLOGY CONTRACTOR PRIOR TO ROUGH-IN.

1 E3.1 **FIRST FLOOR SYSTEMS PLAN - CONCESSION STAND**
1/4" = 1'-0"

N

STATE OF OHIO
MATTHEW R. HIBNER
1416052
REGISTERED ARCHITECT

MATTHEW R. HIBNER
LICENSE #1416052
EXPIRATION DATE: 12/31/2027

GARMANN MILLER
SPACES, INC. | Columbus, Ohio | INDIANAPOLIS, Indiana | FORT WAYNE, INDIANA
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NEW BUILDING FOR

ARCANUM BOOSTER STADIUM PHASE III IMPROVEMENTS

330 NORTH MAIN STREET, ARCANUM, OH 45304

ISSUANCES/REVISIONS

CD PHASE SUBMISSION	01/06/2026

PROJECT NUMBER:	DRAWN BY:	CHECKED BY:
23047.03	KCR	CDH

SHEET TITLE:

FIRST FLOOR SYSTEMS PLAN - CONCESSION STAND

SHEET NUMBER:

E3.1

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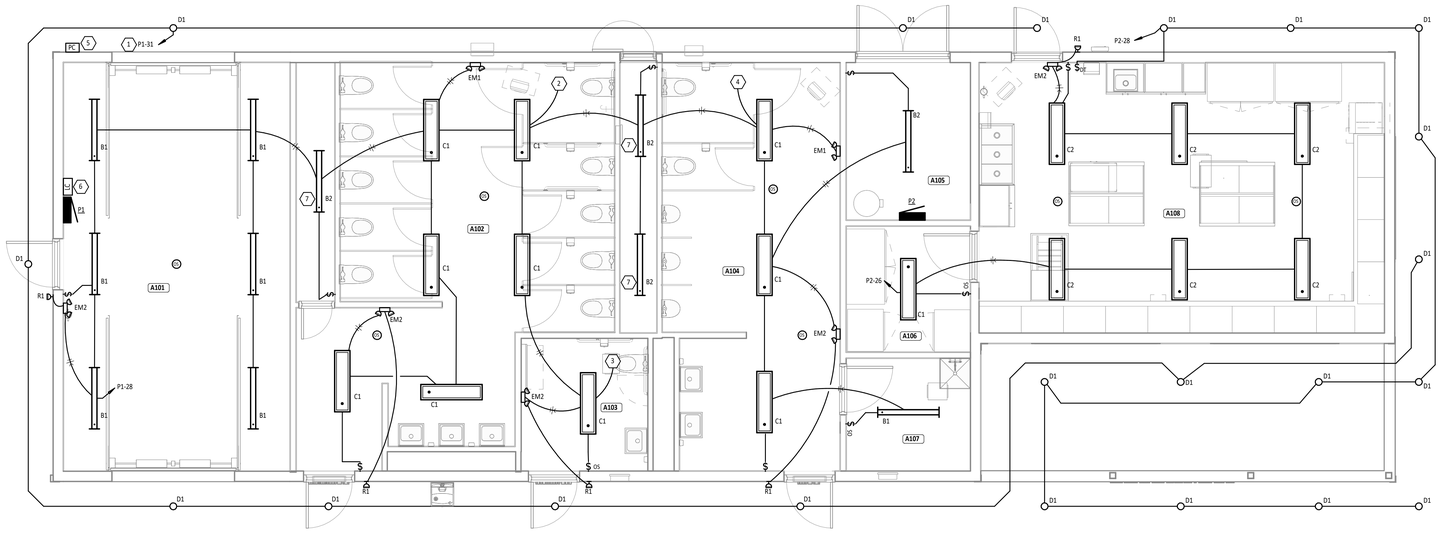
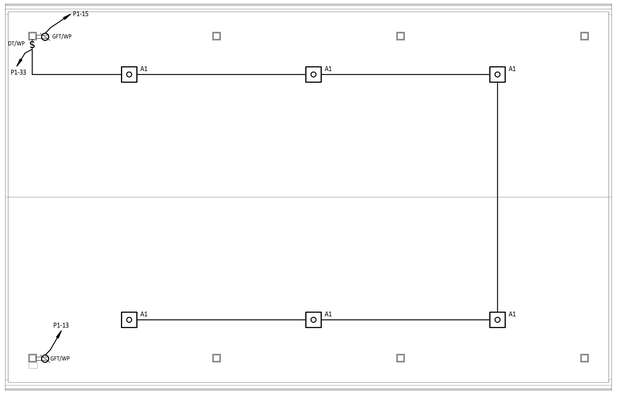


1 E4.1 **LIGHTING PLAN - CONCESSION STAND**
1/4" = 1'-0"



2 E4.1 **FIRST FLOOR LIGHTING AND POWER PLAN - PAVILION**
1/4" = 1'-0"

FIRST FLOOR PLAN ROOM INDEX - UNIT A

ROOM NUMBER	ROOM NAME	AREA
A101	STORAGE ROOM	394 SF
A102	WOMEN'S RESTROOM	431 SF
A103	FAMILY RESTROOM	72 SF
A104	MEN'S RESTROOM	297 SF
A105	MECHANICAL ROOM	83 SF
A106	STORAGE ROOM	67 SF
A107	JANITOR CLOSET	60 SF
A108	CONCESSION STAND	467 SF

LIGHTING GENERAL NOTES

A REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR ADDITIONAL INFORMATION AND EXACT LOCATION OF LUMINAIRES.

B VERIFY EXACT LOCATION OF ALL LIGHT SWITCHES AND CONTROLS DEVICES WITH ARCHITECTURAL DRAWINGS PRIOR TO ROUGH-IN.

C WHERE MULTIPLE SWITCHES ARE GROUPED TOGETHER AT A SINGLE LOCATION, ALL SWITCHES SHALL BE INSTALLED UNDER A COMMON FACEPLATE.

#	KEYNOTE DESCRIPTION
1	EXTERIOR LIGHTING CIRCUIT TO BE CONTROLLED VIA LIGHTING CONTACTOR IN ROOM A101. REFERENCE DETAIL 5/E1.2.
2	REFER TO SHEET E5.1 FOR CONTINUATION TO EF-1.
3	REFER TO SHEET E5.1 FOR CONTINUATION TO EF-2.
4	REFER TO SHEET E5.1 FOR CONTINUATION TO EF-3.
5	PROVIDE EXTERIOR PHOTOCELL AT 96" AFF, FACING NORTH. MOUNT TO WEATHERPROOF JUNCTION BOX. REFERENCE DETAIL 5/E1.2.
6	LIGHTING CONTACTOR FOR CONTROL OF EXTERIOR LIGHTING CIRCUITS. REFERENCE DETAIL 5/E1.2.
7	COORDINATE EXACT LOCATION OF LIGHT FIXTURE WITH PLUMBING CONTRACTOR PRIOR TO ROUGH-IN.

STATE OF OHIO
MATTHEW R. HIBNER
1416052
REGISTERED ARCHITECT

MATTHEW R. HIBNER
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EXPIRATION DATE: 12/31/2027

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NEW BUILDING FOR:

ARCANUM BOOSTER STADIUM PHASE III IMPROVEMENTS

310 NORTH MAIN STREET, ARCANUM, OH 45304

ISSUANCES/REVISIONS

CD PHASE SUBMISSION	01/06/2026

PROJECT NUMBER:	DRAWN BY:	CHECKED BY:
23047.03	KER	CDH

SHEET TITLE:
LIGHTING PLAN - CONCESSION AND LIGHTING AND POWER PLAN - PAVILION

SHEET NUMBER:
E4.1

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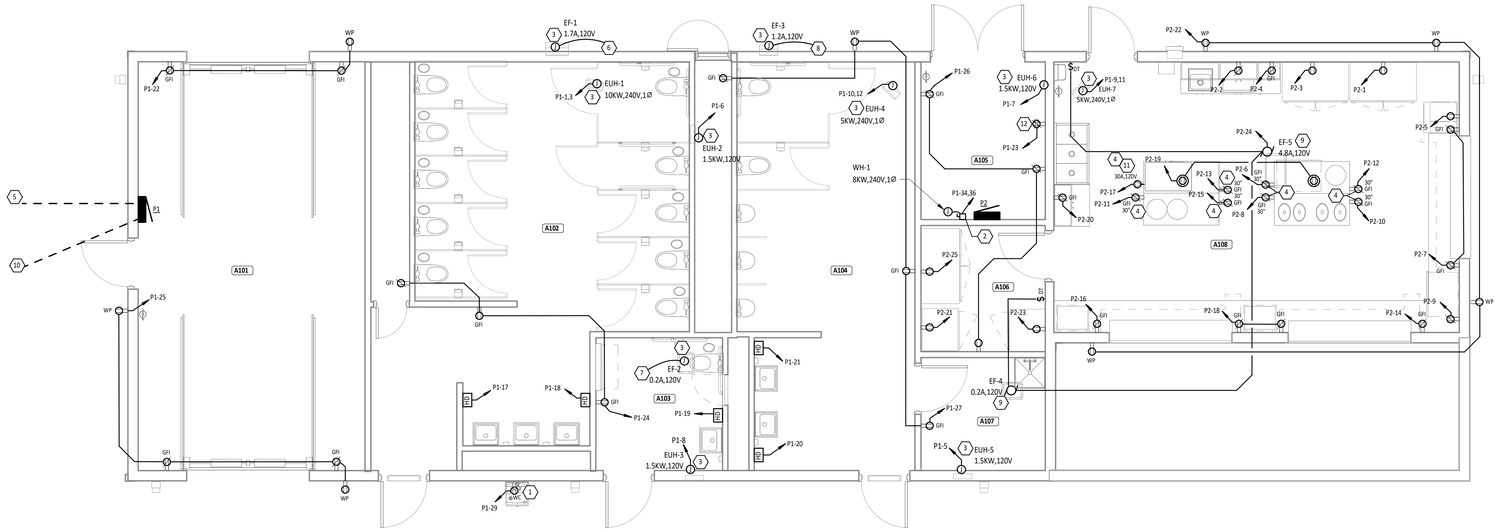

1 E5.1 **POWER PLAN - CONCESSION**
1/4" = 1'-0"

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FIRST FLOOR PLAN ROOM INDEX - UNIT A

ROOM NUMBER	ROOM NAME	AREA
A101	STORAGE ROOM	394 SF
A102	WOMEN'S RESTROOM	431 SF
A103	FAMILY RESTROOM	72 SF
A104	MEN'S RESTROOM	297 SF
A105	MECHANICAL ROOM	83 SF
A106	STORAGE ROOM	67 SF
A107	JANITOR CLOSET	60 SF
A108	CONCESSION STAND	467 SF

POWER GENERAL NOTES

A. WHERE DEVICES ARE SHOWN UNDER CABINETS, CASEWORK, FURNITURE AND THE LIKE; REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT PLACEMENT SO THAT DEVICES SHALL BE LOCATED WITHIN KNEE SPACE OR OPEN AREA.

B. CASEWORK INSTALLER SHALL CUT HOLES IN CASEWORK FOR RECEPTACLES, DEVICES, ETC., UNLESS NOTED OTHERWISE.

C. ALL CONDUCTORS FOR EQUIPMENT CONNECTIONS SHALL BE COPPER UNLESS NOTED OTHERWISE AND APPROVED BY THE MANUFACTURER.

D. COORDINATE WITH ALL OTHER TRADES TO MAINTAIN ALL REQUIRED CLEARANCES ABOUT ELECTRICAL EQUIPMENT WITH ACCORDANCE TO THE NATIONAL ELECTRICAL CODE.

E. ALL MOUNTING HEIGHTS REFER TO BOTTOM OF BOX, UNO.

#	KEYNOTE DESCRIPTION
1	RECEPTACLE FOR WATER COOLER, COORDINATE EXACT MOUNTING LOCATION OF RECEPTACLE WITH PLUMBING CONTRACTOR. REFERENCE DETAIL 6/E1.2.
2	PROVIDE 60A, 250V, HEAVY DUTY, NON-FUSIBLE DISCONNECT IN NEMA 1 ENCLOSURE.
3	UNIT HAS INTEGRATED DISCONNECT. PROVIDE ALL ELECTRICAL CONNECTIONS. COORDINATE ALL WORK WITH MECHANICAL CONTRACTOR.
4	PROVIDE CONDUIT UNDER SLAB, UP INTO SPACE BETWEEN CASEWORK TO SERVE DEVICE(S). DEVICE FLUSH MOUNTED IN CASEWORK. COORDINATE WITH CASEWORK INSTALLER.
5	REFER TO SITE PLAN E2.1 FOR CONTINUATION TO HAND HOLE.
6	EF-1 CONTROLLED BY WOMENS REST ROOM A102 LIGHTS. REFER TO SHEET E4.1 FOR CONTINUATION.
7	EF-2 CONTROLLED BY FAMILY REST ROOM A103 LIGHTS. REFER TO SHEET E4.1 FOR CONTINUATION.
8	EF-3 CONTROLLED BY MENS REST ROOM A104 LIGHTS. REFER TO SHEET E4.1 FOR CONTINUATION.
9	EXHAUST FAN UNIT HAS INTEGRATED DISCONNECT. PROVIDE ALL ELECTRICAL CONNECTIONS. PROVIDE DIGITAL TIMER SWITCH RATED FOR LOAD TO CONTROL EXHAUST FAN. COORDINATE ALL WORK WITH MECHANICAL CONTRACTOR.
10	REFER TO SITE PLAN E2.1 FOR CONTINUATION TO PANEL MDP.
11	COORDINATE RECEPTACLE CONFIGURATION WITH POPCORN EQUIPMENT.
12	RECEPTACLE FOR TECHNOLOGY RACK. COORDINATE EXACT LOCATION PRIOR TO ROUGH-IN.

STATE OF OHIO
MATTHEW R. HIBNER
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MATTHEW R. HIBNER
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NEW BUILDING FOR
ARCANUM BOOSTER STADIUM PHASE III IMPROVEMENTS
310 NORTH MAIN STREET, ARCANUM, OH 45304

ISSUANCES/REVISIONS

CD PHASE SUBMISSION	01/06/2026

PROJECT NUMBER:	DRAWN BY:	CHECKED BY:
23047.03	KCR	CDH

SHEET TITLE:
POWER PLAN - CONCESSION

SHEET NUMBER:
E5.1

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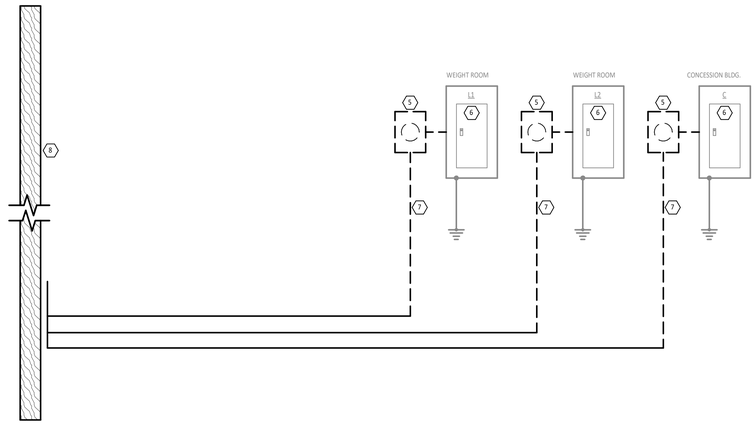
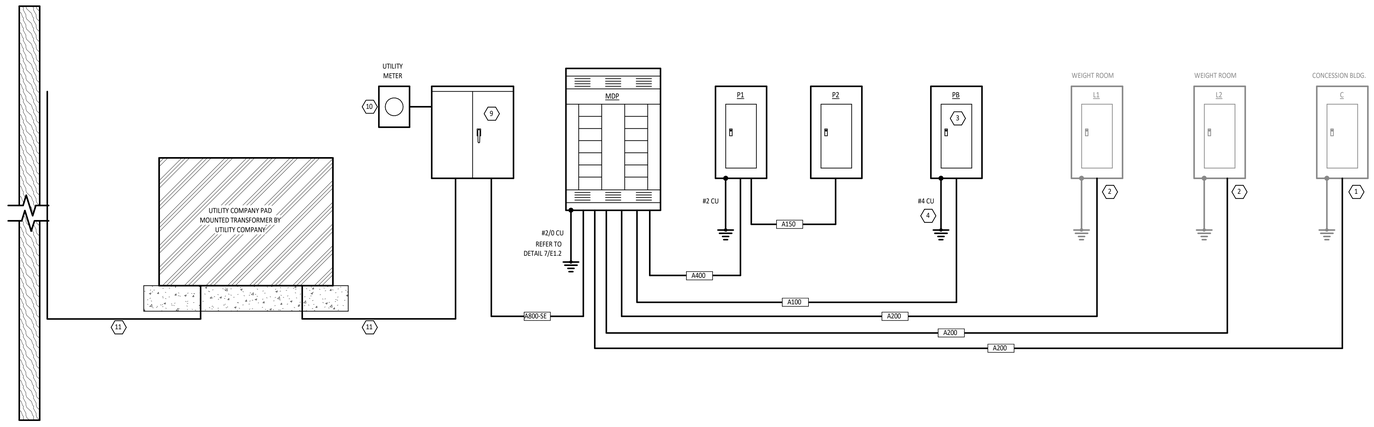
#	KEYNOTE DESCRIPTION
1	PROVIDE NEW UNDERGROUND ELECTRIC FEED FOR EXISTING CONCESSION BUILDING PANEL. NEW PANEL FEED SHALL BE ROUTED TO AVOID NEW CONSTRUCTION AREA OF CONCESSION BUILDING. AFTER CONSTRUCTION OF NEW CONCESSION BUILDING IS COMPLETED, FEED CONDUCTORS FOR THE OLD CONCESSION BUILDING SHALL BE DISCONNECTED AND REMOVED PRIOR TO THE BUILDING BEING DEMOLISHED. REFER TO SHEET E2.1 FOR ADDITIONAL INFORMATION.
2	PROVIDE NEW UNDERGROUND ELECTRIC FEED FOR EXISTING WEIGHT ROOM BUILDING PANEL. NEW PANEL FEED SHALL BE ROUTED TO AVOID NEW CONSTRUCTION AREA OF CONCESSION BUILDING. REFER TO SHEET E2.1 FOR ADDITIONAL INFORMATION.
3	PANEL FURNISHED WITH PRE-WIRED BLEACHER PRESS BOX. MAKE NECESSARY CONNECTIONS.
4	PROVIDE BONDING TO BLEACHER STRUCTURE.
5	REMOVE EXISTING METER SOCKET.
6	EXISTING CIRCUIT BREAKER PANEL TO REMAIN.
7	REMOVE FEED CONDUCTORS. REMOVE CONDUIT TO 2' - 0" BELOW GRADE. DIRECT BURY CONDUCTORS MAY BE ABANDONED IN PLACE.
8	EXISTING UTILITY POLE TO REMAIN.
9	PROVIDE CT CABINET. COORDINATE CT CABINET SIZE WITH UTILITY COMPANY.
10	METER BASE SUPPLIED BY UTILITY COMPANY, INSTALLED BY DIVISION 26.
11	UTILITY COMPANY SHALL PROVIDE PRIMARY AND SECONDARY CONDUIT AND CONDUCTORS. COORDINATE ALL WORK WITH UTILITY COMPANY.



1 / E8.1 **EXISTING ELECTRICAL ONE-LINE DIAGRAM**
NTS



2 / E8.1 **NEW ELECTRICAL ONE-LINE DIAGRAM**
NTS

FEEDER SCHEDULE

GENERAL NOTES:
- ELECTRICAL CONTRACTOR SHALL PROVIDE THE NUMBER OF LUGS AND PROPER LUG SIZES TO ACCEPT CONDUCTOR SIZES SHOWN.

MARK	FEEDER DESCRIPTION
A100	(3) #1/0 AL., #6 AL. G, 1-1/2"C
A150	(3) #3/0 AL., #4 AL. G, 2"C
A200	(3) #250 KCMIL AL., #4 AL. G, 2-1/2"C
A400	(2) PARALLEL SETS OF (3) #250 KCMIL AL., #1 AL. G, 2-1/2"C
A800-SE	(3) PARALLEL SETS OF (3) #400 KCMIL AL., 3"C

DISTRIBUTION PANEL
MDP

MOUNTING: SURFACE
FED FROM: UTILITY
ENCLOSURE: NEMA 3R
LOCATION: EXTERIOR
AIC RATING: 16,000A
VOLTAGE: 120/240V 1PH 3W
MAINS RATING: 800 A
MAINS TYPE: 800 A | MCB
OTHER:
PANEL NOTES:
PROVIDE PANEL WITH SURGE PROTECTION DEVICE (SPD). PROVIDE CIRCUIT BREAKER SIZED PER MANUFACTURER RECOMMENDATIONS IF SPD IS EXTERNAL.

NOTE	CIRCUIT DESCRIPTION	POLES	AMP	CKT	A	B	CKT	AMP	POLES	CIRCUIT DESCRIPTION	NOTE
1	P1	2	400	1	35882 / 0		2	--	2	SPACE ONLY	
				3		35558 / 0	4				
1	PB	2	100	5	8040 / 7064		6	200	2	L1 - EXIST.	1
				7		8334 / 7064	8				
1	L2 - EXIST.	2	200	9	19455 / 0		10	200	2	C - EXIST.(FUTURE SPARE)	1
				11		19455 / 0	12				
	SPACE ONLY	1	--	13	0 / 0		14	--	1	SPACE ONLY	
	SPACE ONLY	1	--	15		0 / 0	16	--	1	SPACE ONLY	
	SPACE ONLY	1	--	17	0 / 0		18	--	1	SPACE ONLY	
	SPACE ONLY	1	--	19		0 / 0	20	--	1	SPACE ONLY	
	SPACE ONLY	1	--	21	0 / 0		22	--	1	SPACE ONLY	
	SPACE ONLY	1	--	23		0 / 0	24	--	1	SPACE ONLY	
					VA SUBTOTALS:	70439 VA	70408 VA				
					AMP SUBTOTALS:	587 A	587 A				

LOAD TYPE:	*CONNECTED VA*	*DEMAND FACTOR*	*DEMAND VA*	*DEMAND AMPS*
HEAT	26000 VA	100.0%	26000 VA	108 A
LIGHTING	2539 VA	125.0%	3173 VA	13 A
MOTORS	972 VA	114.8%	1116 VA	5 A
Power	7250 VA	70.0%	5075 VA	21 A
RECEPTACLE	28150 VA	67.8%	19075 VA	79 A
MISC EQUIPMENT	76036 VA	100.0%	76036 VA	317 A

SUBTOTAL	*PHASE*
70439 VA	***A***
70408 VA	***B***
0 VA	***C***
PANEL TOTALS	
140847 VA	**CONNECTED**
130351 VA	**DEMAND**
587 A	**CONNECTED**
543 A	**DEMAND**

CIRCUIT NOTES:
1-REFER TO ONE-LINE DRAWING FOR FEED SIZE.

PANEL
P1

MOUNTING: SURFACE
FED FROM: MDP
ENCLOSURE: NEMA 1
LOCATION: STORAGE A101
AIC RATING: 10,000A
VOLTAGE: 120/240V 1PH 3W
MAINS RATING: 400 A
MAINS TYPE: 400 A | MCB
OTHER:
PANEL NOTES:
PROVIDE PANEL WITH SURGE PROTECTION DEVICE (SPD). PROVIDE CIRCUIT BREAKER SIZED PER MANUFACTURER RECOMMENDATIONS IF SPD IS EXTERNAL.

NOTE	CIRCUIT DESCRIPTION	POLES	AMP	CKT	A	B	CKT	AMP	POLES	CIRCUIT DESCRIPTION	NOTE
3	EUH-1	2	50	1	5000 / 0		2	--	1	SPACE ONLY	
				3		5000 / 0	4	--	1	SPACE ONLY	
	EUH-5	1	15	5	1500 / 1500		6	15	1	EUH-2	
	EUH-6	1	20	7		1500 / 1500	8	15	1	EUH-3	
2	EUH-7	2	25	9	2500 / 2500		10	25	2	EUH-4	2
				11		2500 / 2500	12				
	RECEPTACLE - PAVILION	1	20	13	180 / 11331		14	150	2	PANEL P2	1
	RECEPTACLE - PAVILION	1	20	15		180 / 11011	16				
G	HAND DRYER	1	20	17	1450 / 1450		18	20	1	HAND DRYER	G
G	HAND DRYER	1	20	19		1450 / 1450	20	20	1	HAND DRYER	G
G	HAND DRYER	1	20	21	1450 / 540		22	20	1	RECEPTACLE STORAGE A101	
	RECEPTACLE MECHANICAL ROOM A105	1	20	23		1920 / 540	24	20	1	RECEPTACLE WOMEN'S RESTROOM A102	
	RECEPTACLE STORAGE A101	1	20	25	720 / 540		26	20	1	RECEPTACLE MECHANICAL ROOM A105	
	RECEPTACLE MEN'S RESTROOM A104	1	20	27		720 / 1044	28	20	1	LIGHTING	
G	WATER COOLER	1	20	29	600 / 259		30	20	1	POLE LIGHTS	5
	LIGHTING - OUTSIDE	1	20	31		87 / 180	32	20	1	POLE RECEPTACLE	
2	PAVILION LIGHTING	1	20	33	380 / 4000		34	45	2	WH-1	3
	SPARE BREAKER	1	20	35		0 / 4000	36				
	SPARE BREAKER	1	20	37	0 / 0		38	--	1	SPACE ONLY	
	SPARE BREAKER	1	20	39		0 / 0	40	--	1	SPACE ONLY	
	SPARE BREAKER	1	20	41	0 / 0		42	--	1	SPACE ONLY	
					VA SUBTOTALS:	35882 VA	35558 VA				
					AMP SUBTOTALS:	299 A	296 A				

LOAD TYPE:	*CONNECTED VA*	*DEMAND FACTOR*	*DEMAND VA*	*DEMAND AMPS*
HEAT	26000 VA	100.0%	26000 VA	108 A
LIGHTING	1854 VA	125.0%	2317 VA	10 A
MOTORS	972 VA	114.8%	1116 VA	5 A
Power	7250 VA	70.0%	5075 VA	21 A
RECEPTACLE	27430 VA	68.2%	18715 VA	78 A
MISC EQUIPMENT	8000 VA	100.0%	8000 VA	33 A

SUBTOTAL	*PHASE*
35882 VA	***A***
35558 VA	***B***
0 VA	***C***
PANEL TOTALS	
71440 VA	**CONNECTED**
61142 VA	**DEMAND**
298 A	**CONNECTED**
255 A	**DEMAND**

CIRCUIT NOTES:
1-REFER TO ONE-LINE DIAGRAM FOR CONDUIT AND CONDUCTOR SIZE.
2-PROVIDE 2-#10 CU, 1-#10 CU GRD IN 1/2" CONDUIT.
3-PROVIDE 2-#6 CU, 1-#10 CU GRD IN 3/4" CONDUIT.
4-PROVIDE 2-#4 CU, 1-#10 CU GRD IN 1" CONDUIT.
5-PROVIDE 2-#8 CU, 1-#10 CU GRD IN 1" CONDUIT.

PANEL
P2

MOUNTING: SURFACE
FED FROM: P1
ENCLOSURE: NEMA 1
LOCATION: MECHANICAL ROOM A105
AIC RATING: 10,000A
VOLTAGE: 120/240V 1PH 3W
MAINS RATING: 225 A
MAINS TYPE: MLO
OTHER:
PANEL NOTES:
PROVIDE PANEL WITH SURGE PROTECTION DEVICE (SPD). PROVIDE CIRCUIT BREAKER SIZED PER MANUFACTURER RECOMMENDATIONS IF SPD IS EXTERNAL.

NOTE	CIRCUIT DESCRIPTION	POLES	AMP	CKT	A	B	CKT	AMP	POLES	CIRCUIT DESCRIPTION	NOTE
G	CONCESSIONS REFRIGERATOR	1	20	1	600 / 180		2	20	1	MICROWAVE	G
G	CONCESSIONS REFRIGERATOR	1	20	3		600 / 1200	4	20	1	CONCESSIONS RECEPTACLE	
G	CONCESSIONS ICE MAKER	1	20	5	600 / 1200		6	20	1	PRETZEL WARMER	
	CONCESSIONS RECEPTACLE	1	20	7		360 / 1200	8	20	1	CONCESSIONS ISLAND REC.	
G	PENNY WARMER	1	20	9	180 / 1200		10	20	1	CONCESSIONS ISLAND REC.	G
	CONCESSIONS ISLAND REC.	1	20	11		1200 / 1200	12	20	1	CONCESSIONS ISLAND REC.	
	CONCESSIONS ISLAND REC.	1	20	13	1200 / 1200		14	20	1	CONCESSIONS RECEPTACLE	
	CONCESSIONS ISLAND REC.	1	20	15		1200 / 1200	16	20	1	CONCESSIONS RECEPTACLE	
G	POPCORN MACHINE	1	30	17	2350 / 360		18	20	1	CONCESSIONS RECEPTACLE	
	RECEPTACLE MENU BOARD A108	1	20	19		360 / 1200	20	20	1	CONCESSIONS RECEPTACLE	
	FREEZER	1	20	21	600 / 720		22	20	1	EXTERIOR RECEPTACLES	
	FREEZER	1	20	23		600 / 600	24	20	1	EF-5, EF-6	
	DOUBLE DOOR FRIDGE	1	20	25	600 / 359		26	20	1	LIGHTING CONCESSION STAND A108	
G	SPARE BREAKER	1	20	27		0 / 96	28	20	1	LIGHTING - EXTERIOR	
G	SPARE BREAKER	1	20	29	0 / 0		30	20	1	SPARE BREAKER	
G	SPARE BREAKER	1	20	31		0 / 0	32	20	1	SPARE BREAKER	
	SPARE BREAKER	1	20	33	0 / 0		34	20	1	SPARE BREAKER	
	SPACE ONLY	1	--	35		0 / 0	36	--	1	SPACE ONLY	
	SPACE ONLY	1	--	37	0 / 0		38	--	1	SPACE ONLY	
	SPACE ONLY	1	--	39		0 / 0	40	--	1	SPACE ONLY	
	SPACE ONLY	1	--	41	0 / 0		42	--	1	SPACE ONLY	
					VA SUBTOTALS:	11331 VA	11011 VA				
					AMP SUBTOTALS:	94 A	92 A				

LOAD TYPE:	*CONNECTED VA*	*DEMAND FACTOR*	*DEMAND VA*	*DEMAND AMPS*
LIGHTING	455 VA	125.0%	568 VA	2 A
MOTORS	600 VA	124.0%	744 VA	3 A
RECEPTACLE	21310 VA	73.5%	15655 VA	65 A

SUBTOTAL	*PHASE*
11331 VA	***A***
11011 VA	***B***
0 VA	***C***
PANEL TOTALS	
22343 VA	**CONNECTED**
16940 VA	**DEMAND**
93 A	**CONNECTED**
71 A	**DEMAND**

CIRCUIT NOTES:
G-PROVIDE GFCI BREAKER.

STATE OF OHIO
MATTHEW R. HIBNER 1416052
REGISTERED ARCHITECT
MATTHEW R. HIBNER
LICENSE #1416052
EXPIRATION DATE: 12/31/2027

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NEW BUILDING FOR
ARCANUM BOOSTER STADIUM PHASE III IMPROVEMENTS
330 NORTH MAIN STREET, ARCANUM, OH 45304

ISSUANCES/REVISIONS	
CD PHASE SUBMISSION	01/06/2026

PROJECT NUMBER:	DRAWN BY:	CHECKED BY:
23047.03	KCR	CDH

SHEET TITLE:
ELECTRICAL ONE-LINE DIAGRAMS AND PANEL SCHEDULES

SHEET NUMBER:
E8.1

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TECHNOLOGY CABLING SYMBOLS

REFER TO FACEPLATE ELEVATIONS FOR MORE INFORMATION ON TECHNOLOGY OUTLETS.

SYMBOL	DESCRIPTION	MOUNTING LOC.	MOUNTING HT.
D#	DATA OUTLET	WALL	16", UNO
V#D#	VOICE/DATA OUTLET		
V#	VOICE OUTLET	WALL	44"
	'#' INDICATES NUMBER OF VOICE AND / OR DATA CABLES TO BE PROVIDED AT EACH LOCATION		
LI	LOCAL INPUT OUTLET. 2-GANG, 3.5" DEEP BOX WITH 2-GANG EXTENSION RING AND TWO (2) 1-1/4" CONDUIT.	WALL	16", UNO
IFP	INTERACTIVE FLAT PANEL OUTLET. 2-GANG, 3.5" DEEP BOX WITH 2-GANG EXTENSION RING AND ONE (1) 1-1/4" CONDUIT.	WALL	44"
LVP	LARGE VENUE PROJECTOR OUTLET. 2-GANG, 3.5" DEEP BOX WITH 2-GANG EXTENSION RING AND TWO (2) 1-1/4" CONDUIT.	WALL	AS NOTED
SA	GYMNASIUM AUDIO SYSTEM OUTLET. 2-GANG, 3.5" DEEP BOX WITH 2-GANG EXTENSION RING AND TWO (2) 1-1/4" CONDUIT.	WALL	16"
SP	STAGE PRESENTER OUTLET. 2-GANG, 3.5" DEEP BOX WITH 2-GANG EXTENSION RING AND TWO (2) 1-1/4" CONDUIT.		
TPC	TEACHER PERSONAL COMPUTER OUTLET. 2-GANG, 3.5" DEEP BOX WITH 2-GANG EXTENSION RING AND TWO (2) 1-1/4" CONDUIT.		
SR	SOUND REINFORCEMENT OUTLET. 4-11/16", 3.5" DEEP BOX WITH 2-GANG EXTENSION RING AND TWO (2) 1-1/4" CONDUIT. (DETAIL X ON SHEET EX.X)	WALL	44"
VID	VIDEO MONITOR OUTLET. 2-GANG, 3.5" DEEP BOX WITH 2-GANG EXTENSION RING AND ONE (1) 1-1/4" CONDUIT.	WALL	96", UNO
CAM	CAMERA OUTLET. 2-GANG, 3.5" DEEP BOX WITH 1-GANG EXTENSION RING AND ONE (1) 1" CONDUIT.	WALL	144", UNO
WAP	WIRELESS ACCESS POINT OUTLET. 2-GANG, 3.5" DEEP BOX WITH 1-GANG EXTENSION RING AND ONE (1) 1" CONDUIT.		
CAM	20 FT OF CAT 6 CABLE COILED ABOVE ACCESSIBLE CEILING FOR FUTURE CAMERA INSTALLATION BY 28 2300 CONTRACTOR		
SS	20 FT OF CAT 6 CABLE COILED ABOVE ACCESSIBLE CEILING FOR FUTURE SECURITY SYSTEM INSTALLATION BY 28 1601 CONTRACTOR.		
WAP	20 FT OF CAT 6 CABLE COILED ABOVE ACCESSIBLE CEILING FOR FUTURE WIRELESS ACCESS POINT INSTALLATION BY 27 2300 CONTRACTOR		
	LADDER TYPE CABLE TRAY		
	BASKET TYPE CABLE TRAY		
(2)2"	CONDUIT SLEEVE(S) FOR TECHNOLOGY CABLING PROVIDED BY DIVISION 26. DIVISION 26 TO PROVIDE FIRE STOPPING WHEN PENETRATING THROUGH FIRE WALLS AS REQUIRED BY CODE.	8" ABOVE CEILING	SEE PLANS
		WALL	16", UNO

DENOTES HORIZONTALLY MOUNTED RACEWAY
DENOTES VERTICALLY MOUNTED RACEWAY

1 T1.1 **TECHNOLOGY CABLING SYMBOLS LEGEND**

AUDIO DEVICE SYMBOLS

SYMBOL	DESCRIPTION	MOUNTING LOC.	MOUNTING HT.
PA	PUBLIC ADDRESS SOUND SYSTEM RACK.	FLOOR	N/A
SD	STUDENT DINING SOUND SYSTEM RACK.		
GS	GYMNASIUM SOUND SYSTEM RACK.		
PR	PORTABLE SOUND SYSTEM RACK.		
MS	MUSIC/VOCAL ROOM SOUND SYSTEM RACK.		
	HANGING MICROPHONE PROVIDED BY DIVISION 27. DIVISION 26 TO PROVIDE CEILING MOUNTED JUNCTION BOX AND PATHWAY AS REQUIRED. COORDINATE WITH DIVISION 26.	CEILING	N/A
	MICROPHONE OUTLET PROVIDED BY DIVISION 27. DIVISION 28 TO PROVIDE SINGLE GANG BACK BOX AND PATHWAY TO ABOVE ACCESSABLE CEILING. COORDINATE WORK WITH DIVISION 26.	WALL	16", UNO
	AUXILIARY/MICROPHONE OUTLET BY DIVISION 27. DIVISION 26 TO PROVIDE BACK BOX AND PATHWAYS. COORDINATE WORK WITH DIVISION 26.	WALL	96", UNO
	PUBLIC ADDRESS SYSTEM CEILING SPEAKER BY DIVISION 27.	CEILING	N/A
	CLASSROOM SOUND REINFORCEMENT SYSTEM SPEAKER PROVIDED BY DIVISION 27.		
	PUBLIC ADDRESS SYSTEM FLUSH MOUNT WALL SPEAKER PROVIDED BY DIVISION 27.	WALL	96", UNO
	PUBLIC ADDRESS HORN TYPE SPEAKER PROVIDED BY DIVISION 27.		
	SOUND SYSTEM SPEAKER PROVIDED BY DIVISION 27. DIVISION 26 TO PROVIDE ROUGH INS AS REQUIRED FOR INSTALLATION. COORDINATE WORK WITH DIVISION 26.	VARIES	SEE PLANS
	PUBLIC ADDRESS CALL-IN SWITCH PROVIDED BY DIVISION 27. DIVISION 26 TO PROVIDE BACK BOX AND PATHWAY TO ABOVE ACCESSABLE CEILING.	WALL	44"
	PUBLIC ADDRESS SYSTEM VOLUME CONTROL PROVIDED BY DIVISION 27. DIVISION 26 TO PROVIDE BACK BOX AND PATHWAY TO ABOVE ACCESSABLE CEILING.		
	ADMINISTRATIVE CONTROL CONSOLE FOR THE PUBLIC ADDRESS SYSTEM BY DIVISION 27. DIVISION 26 TO PROVIDE BACK BOX AND PATHWAY AS REQUIRED FOR INSTALLATION. COORDINATE WORK WITH DIVISION 26.	VARIES	SEE PLANS

2 T1.1 **AUDIO DEVICE SYMBOLS LEGEND**

TECHNOLOGY EQUIPMENT SYMBOLS

STUB ALL CONDUITS FOR TECHNOLOGY OUTLETS ABOVE ACCESSIBLE CEILING, UNO. PROVIDE PULL STRING AND PLASTIC BUSHING ON END OF EACH CONDUIT. PROVIDE COVERPLATE FOR UNUSED BOXES.

SYMBOL	DESCRIPTION	MOUNTING LOC.	MOUNTING HT.
	MULTI-SENSOR CCTV CAMERA, CABLING BY 27 1513 CAMERA BY 28 2300.	VARIES	144", UNO
	CCTV CAMERA, CABLING BY 27 1513, CAMERA BY 28 2300		
	WIRELESS ANALOG CLOCK - DUAL FACE - CEILING MOUNT	WALL	96", UNO
	WIRELESS ANALOG CLOCK - DUAL FACE - WALL MOUNT	WALL	96", UNO
	WIRELESS ANALOG CLOCK - SINGLE FACE - WALL MOUNT		
	WIRELESS ANALOG CLOCK - SINGLE FACE - WALL MOUNT WITH WIRE GUARD		
	16" WIRELESS ANALOG CLOCK - SINGLE FACE - WALL MOUNT		
	16" WIRELESS ANALOG CLOCK - SINGLE FACE - WALL MOUNT WITH WIRE GUARD		
	WIRELESS DIGITAL CLOCK - WALL MOUNT - DOUBLE SIDED - SINGLE FACE - LEFT	WALL	96", UNO
	WIRELESS ANALOG CLOCK - WALL MOUNT DOUBLE SIDED - SINGLE FACE - RIGHT	WALL	96", UNO
	WIRELESS DIGITAL CLOCK - WALL MOUNT - DOUBLE SIDED - DUAL FACE	WALL	96", UNO
	WIRELESS ACCESS POINT - CEILING MOUNTED	CEILING	78", UNO
	WIRELESS ACCESS POINT - WALL MOUNTED	WALL	44"
	LARGE VENUE VIDEO PROJECTOR	WALL	96", UNO
	XX" IFP - INTERACTIVE FLAT PANEL DISPLAY	WALL	42", UNO
	XX" SFP - STANDARD FLAT PANEL DISPLAY	WALL	78", UNO

3 T1.1 **TECHNOLOGY EQUIPMENT SYMBOLS LEGEND**

SECURITY/ACCESS CONTROL SYMBOLS

SYMBOL	DESCRIPTION	MOUNTING LOC.	MOUNTING HT.
ACP	ACCESS CONTROL SYSTEM CONTROL PANEL. DIVISION 26 TO PROVIDE 120V CONNECTION TO PANEL AS REQUIRED. COORDINATE WORK WITH DIVISION 26.	WALL	72" TO TOP
SCP	SECURITY SYSTEM CONTROL PANEL. DIVISION 26 TO PROVIDE 120V CONNECTION TO PANEL AS REQUIRED. COORDINATE WORK WITH DIVISION 26.		
EL	ELECTRONIC LOCK PROVIDED BY DIVISION 08. DIVISION 26 TO PROVIDE PATHWAYS TO ABOVE ACCESSABLE CEILING. COORDINATE WORK WITH DIVISION 08 AND DIVISION 26	DOOR	SEE PLANS
RX	DOOR CONTACT PROVIDED BY DIVISION 28. DIVISION 26 TO PROVIDE PATHWAYS TO ABOVE ACCESSABLE CEILING. COORDINATE WORK WITH DIVISION 08 AND DIVISION 26.		
REX	REQUEST TO EXIT DEVICE BY DIVISION 28. DIVISION 26 TO PROVIDE PATHWAYS TO ABOVE ACCESSABLE CEILING. COORDINATE WORK WITH DIVISION 08 AND DIVISION 26	VARIES	VARIES
CR	ACCESS CONTROL CARD READER PROVIDED BY DIVISION 28. DIVISION 26 TO PROVIDE BACK BOX AND PATHWAY TO ABOVE ACCESSABLE CEILING. COORDINATE WORK WITH DIVISION 26.	WALL	44"
KP	SECURITY SYSTEM KEYPAD PROVIDED BY DIVISION 28. DIVISION 26 TO PROVIDE BACK BOX AND PATHWAY TO ABOVE ACCESSABLE CEILING. COORDINATE WORK WITH DIVISION 26.	WALL	48"
MD	HARD CEILING MOUNT MOTION DETECTOR PROVIDED BY DIVISION 28. DIVISION 26 TO PROVIDE BACK BOX AND PATHWAY TO ABOVE ACCESSABLE CEILING. COORDINATE WORK WITH DIVISION 26.	HARD CEILING	N/A
MD	CEILING MOUNT MOTION DETECTOR PROVIDED BY DIVISION 28. COORDINATE WORK WITH DIVISION 26.	WALL	96", UNO
	SECURITY SYSTEM ALARM BELL PROVIDED BY DIVISION 28. DIVISION 26 TO PROVIDE BACK BOX AND PATHWAY TO ABOVE ACCESSABLE CEILING. COORDINATE WORK WITH DIVISION 26.	WALL	80", UNO
	AUDIO ONLY INTERCOM STATION BY DIVISION 28. DIVISION 26 TO PROVIDE BACK BOX AND PATHWAY TO ABOVE ACCESSABLE CEILING. COORDINATE WORK WITH DIVISION 26.	WALL	48"
	AUDIO & VIDEO INTERCOM STATION BY DIVISION 28. DIVISION 26 TO PROVIDE BACK BOX AND PATHWAY TO ABOVE ACCESSABLE CEILING. COORDINATE WORK WITH DIVISION 26.	WALL	48"
DS	DESK MOUNT MASTER INTERCOM STATION PROVIDED BY DIVISION 28. COORDINATE PATHWAY REQUIREMENTS WITH DIVISION 26.	VARIES	VARIES
	ELECTRONIC DOOR RELEASE OR LOCK DOWN PUSH BUTTON PROVIDED BY DIVISION 28. COORDINATE PATHWAY REQUIREMENTS WITH DIVISION 26.		

4 T1.1 **SECURITY/ACCESS CONTROL SYMBOL LEGEND**

- NOTE:

	ABBREVIATIONS USED ON THE CONTRACT DOCUMENTS, INCLUDE BUT ARE NOT LIMITED TO THOSE LISTED BELOW.

A

AC	ABOVE COUNTER
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AV	AUDIO/VISUAL

C

CAM	CAMERA
CAT	CATEGORY
CCTV	CLOSED-CIRCUIT TELEVISION

D

D	DATA
DC	DIRECT CURRENT
DSD	DIGITAL SIGNAGE DISPLAY

E

E	EXISTING
EC	ELECTRICAL CONTRACTOR
ER	EQUIPMENT ROOM

G

GBE	GIGABIT ETHERNET
GPON	GIGABIT PASSIVE OPTICAL NETWORK

I

IFP	INTERACTIVE FLAT PANEL DISPLAY
ISG(N)	ISOLATED SYSTEMS GROUND
IWB	INTERACTIVE WHITE BOARD

L

LI	LOCAL INPUT
LVP	LARGE VENUE PROJECTOR

M

MM	MULTIMODE FIBER OPTIC CABLE

O

OLT	OPTICAL LINE TERMINAL
ONT	OPTICAL NETWORK TERMINAL
OREQ	OR EQUAL
OS	OPTICAL SPLITTER

P

PA	PUBLIC ADDRESS
PDU	POWER DISTRIBUTION UNIT
PoE	POWER OVER ETHERNET
POL	PASSIVE OPTICAL LAN
PON	PASSIVE OPTICAL NETWORK

Q

Q	EMPTY BOX WITH BLANK COVER

R

RU	RACK UNITS

S

SA	SOUND AMPLIFICATION
SM	SINGLE MODE FIBER OPTIC CABLE
SP	STAGE PRESENTER
SR	SOUND REINFORCEMENT
SS	SECURITY SYSTEM

T

TBB	TELECOMMUNICATIONS BONDING BACKBONE
TE	TELECOMMUNICATIONS ENCLOSURE
TMGB	TELECOMMUNICATIONS MAIN GROUNDING BACKBONE
TPC	TEACHERS PERSONAL COMPUTER
TR	TELECOMMUNICATIONS ROOM
TYP	TYPICAL

U

UNO	UNLESS NOTED OTHERWISE

V

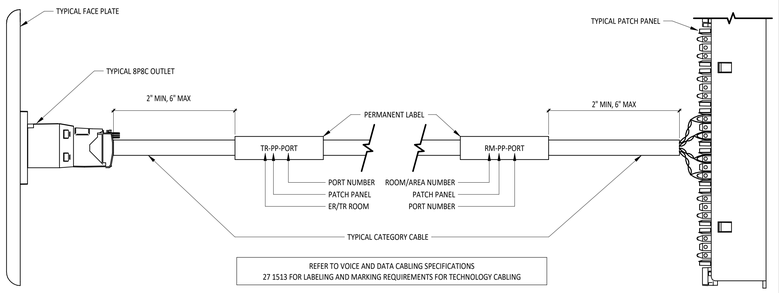
V	VOICE
VID	VIDEO
VOD	VIDEO ON DEMAND
VoIP	VOICE OVER INTERNET PROTOCOL
VP	VIDEO PROJECTOR

W

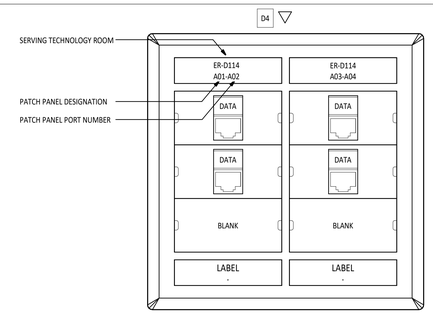
WAP	WIRELESS ACCESS POINT
WG	WIREGUARD; SIZED SPECIFICALLY FOR DEVICE IT IS SERVING
WP	WEATHERPROOF

X

XGS-PON-10	10 GIGABIT SYNCHRONOUS - PASSIVE OPTICAL NETWORK

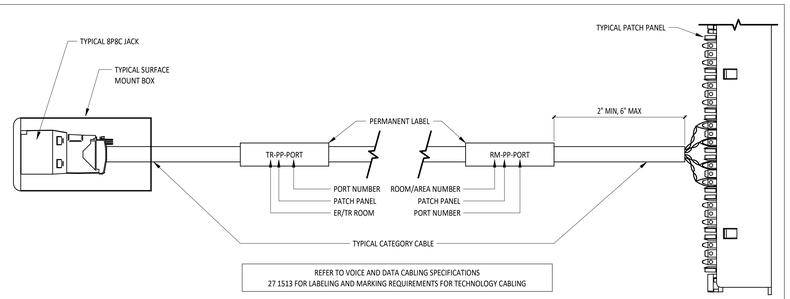


5 T1.1 **CABLE LABELING SCHEMATIC - FACEPLATE TO PATCH PANEL**

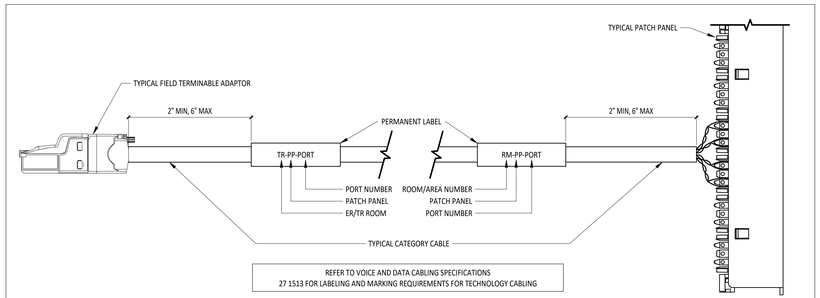


TYPICAL FACE PLATE LABELING DIAGRAM. FINAL OWNER ROOM NUMBERS SHALL BE USED. CONSTRUCTION ROOM NUMBERS WILL NOT BE ACCEPTABLE.

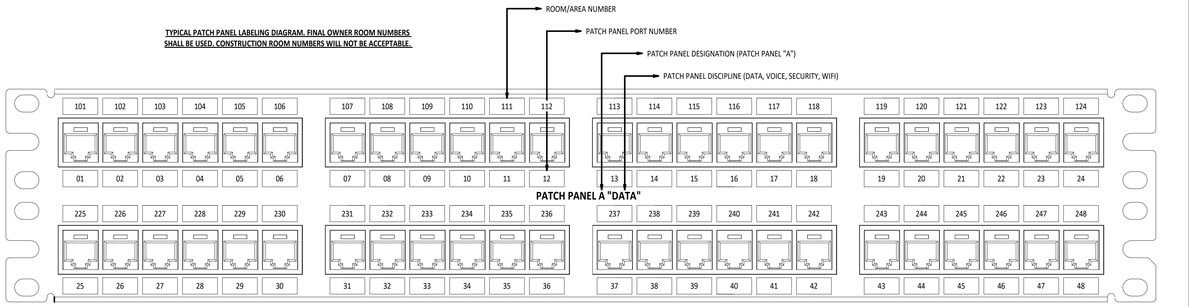
6 T1.1 **TYPICAL FACEPLATE LABELING SCHEMATIC**



7 T1.1 **CABLE LABELING SCHEMATIC - SURFACE MOUNT BOX TO PATCH PANEL**



8 T1.1 **CABLE LABELING SCHEMATIC - FIELD TERMINAL ADAPTER TO PATCH PANEL**



9 T1.1 **TYPICAL PATCH PANEL LABELING SCHEMATIC**

TECHNOLOGY CABLING AND JACK COLOR CODING

CABLE TYPE	DESCRIPTION	COLOR CABLE	COLOR JACK
CATEGORY 6	DATA NETWORK CABLE	BLUE	BLUE
CATEGORY 6	VOICE NETWORK CABLE	BLUE	BLUE
CATEGORY 6	WIRELESS DATA NETWORK CABLE	BLUE	BLUE
CATEGORY 6	SECURITY, ACCESS CONTROL, CCTV NETWORK CABLE	YELLOW	YELLOW
CATEGORY 6	LOCAL PEER TO PEER	ORANGE	ORANGE
CATEGORY 6	USB OVER TWISTED PAIR, HDMI OVER TWISTED PAIR	BLUE	BLUE
3.5MM AUDIO	SHIELDED 22AWG/2 CONDUCTOR	N/A	MATCH FACEPLATE
HDMI	ACTIVE OPTICAL HDMI	N/A	MATCH FACEPLATE

10 T1.1 **TECHNOLOGY CABLING AND JACK COLOR CODING**

TECHNOLOGY SHEET INDEX

SHEET NUMBER	SHEET NAME
T1.1	GENERAL NOTES, ABBREVIATIONS, LEGENDS, DIAGRAMS AND SHEET INDEX
T1.2	TECHNOLOGY DETAILS
T2.1	TECHNOLOGY SITE PLAN
T3.1	ENLARGED TECHNOLOGY ROOMS
TC1.1	TECHNOLOGY CABLING PLAN

TECHNOLOGY CABLING/EQUIPMENT GENERAL NOTES

A RACK LAYOUTS SHALL NOT BE CHANGED WITHOUT APPROVAL FROM THE ARCHITECT AND THE CONSTRUCTION MANAGER.

B ALL EQUIPMENT, OWNER OR CONTRACTOR PROVIDED, SHALL BE MOUNTED IN THE RACKS WITH THE PROPER MOUNTING HARDWARE AND WITH THE PROPER PATCH CABLE LENGTH AND COLOR.

C ALL EMPTY OR UNUSED RACK SPACE MUST BE FILLED WITH BLANK PANELS FOR PROPER HOT/COLD ISLE VENTILATION.

D TECHNOLOGY CABLING CONTRACTORS ARE RESPONSIBLE FOR PROVIDING, BUT IS NOT LIMITED TO, THE FOLLOWING FOR THEIR RESPECTIVE SPECIFICATION SECTIONS: TWO POST RACKS, FOUR POST RACKS, WALL/FLOOR MOUNT CABINETS, VERTICAL CABLE MANAGERS, HORIZONTAL CABLE MANAGERS, PATCH PANELS, FIBER ENCLOSURES AND COUPLER PANELS, BLANK PANELS, SHELVES FOR ANY OWNER EQUIPMENT OR EQUIPMENT NOT RACK MOUNTABLE, AND PAGING SYSTEM.

E TECHNOLOGY EQUIPMENT CONTRACTORS ARE RESPONSIBLE FOR PROVIDING, BUT IS NOT LIMITED TO, THE FOLLOWING FOR THEIR RESPECTIVE SPECIFICATION SECTIONS: NETWORK SWITCHES, CORE SWITCHES, FILE SERVER, NTP SERVER, VOD SERVER (DIGITAL MEDIA MANAGEMENT SYSTEM), ENCODER CHASSIS (DIGITAL MEDIA MANAGMENT SYSTEM), IP KVM, IP TELEPHONE GATEWAY, UPS UNITS, COORDINATING A-SITE EQUIPMENT INSTALLATION AND OR PROGRAMING, PATCH CABLES, AND PATCH CABLES FOR OWNER EQUIPMENT.

F REFER TO SPECIFICATIONS FOR DETAILS AND MORE INFORMATION INCLUDING MISC.MATERIALS REQUIRED TO BE PROVIDED.

G ALL EQUIPMENT, OWNER OR CONTRACTOR PROVIDED, SHALL BE MOUNTED IN THE RACKS WITH THE PROPER MOUNTING HARDWARE AND WITH THE PROPER PATCH CABLE LENGTH AND COLOR.

H TECHNOLOGY DRAWINGS COVER ALL OF DIVISION 27 AND 28 SPECIFICATIONS EXCLUDING FIRE ALARM. IT IS HIGHLY RECOMMENDED THAT THE CONTRACTOR REVIEWS DIVISION 27 AND 28 SPECIFICATIONS AND ATTENDS THE PRE BID MEETING PRIOR TO SUBMITTING BIDS..

I ALL CABLING IN EXPOSED AREAS MUST BE ENCLOSED IN A CONDUIT. PAINT CONDUIT TO MATCH SURROUNDING AREA.

J THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TECHNOLOGY SYSTEMS ROUGH-IN REQUIREMENTS, COORDINATE WITH THE SYSTEMS SUPPLIER FOR ANY VENDOR SPECIFIC REQUIREMENTS.

K CONTRACTORS SHALL PROVIDE APPROPRIATE FACEPLATES, JACKS, CONNECTORS, AND CABLING FOR EACH TECHNOLOGY ROUGH-IN INDICATED.

L CONTRACTORS SHALL PROVIDE ALL TERMINATIONS FOR CABLING INDICATED.

M CONTRACTORS SHALL LABEL ALL CABLING AS REQUIRED BY PER THE LASTEST NEC AND ANSI/TIA/EIA-606 STANDARDS.

N CABLE TIES ARE FOR OUTDOOR USE ONLY AND SHALL BE TRIMMED TO AVOID SHARP EDGES WITH FLUSH CUTTERS.

O PROVIDE BLACK NON-PRINTED VELCRO STRAPS FOR INDOOR USE. USE PLENUM WHERE REQUIRED.

P PROVIDE COVER PLATES ON ALL EMPTY TECHNOLOGY ROUGH-INS.

Q CONTRACTORS SHALL COORDINATE INSTALLATION AND GROUNDING OF TELEPHONE, CATV, AND ITC DEMARCS/SERVICE ENTRANCES.

R EACH WAP LOCATION REQUIRES ONE CAT 6 CABLE.

S TYPICAL TECHNOLOGY ROUGH-INS, IN NEW WALLS, ARE 2-GANG OUTLET BOXES, 3-1/2" DEEP WITH A MIN OF 1-1/4" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING. TECHNOLOGY ROUGH-INS ON EXISTING WALLS WILL BE SURFACE MOUNTED DUAL CHANNEL RACEWAY.

T ANY PENETRATION THROUGH FIRE WALLS MUST USE 2" CONDUIT AND PROPER FIRE STOPPING PER THE LASTEST CODES AND STANDARDS.

U CEILING SPACE IS USED AS A PLENUM, ALL CABLE AND INSULATION MATERIALS SHALL BE PLENUM RATED.

STATE OF OHIO
MATTHEW R. HIBNER
LICENSE #1416052
REGISTERED ARCHITECT
MATTHEW R. HIBNER
LICENSE #1416052
EXPIRATION DATE: 12/31/2027

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NEW BUILDING FOR
ARCANUM BOOSTER STADIUM PHASE III IMPROVEMENTS
334 NORTH MAIN STREET, ARCANUM, OH 45304

ISSUANCES/REVISIONS

	CD PHASE SUBMISSION	01/06/2026

PROJECT NUMBER:	DRAWN BY:	CHECKED BY:
23047.03	CDT	GAW

SHEET TITLE:
GENERAL NOTES, ABBREVIATIONS, LEGENDS, DIAGRAMS AND SHEET INDEX

SHEET NUMBER:
T1.1

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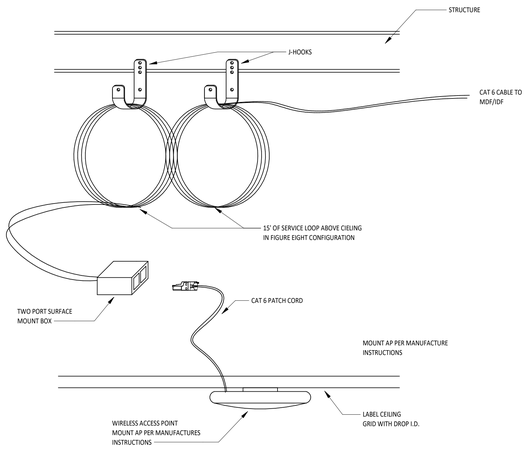
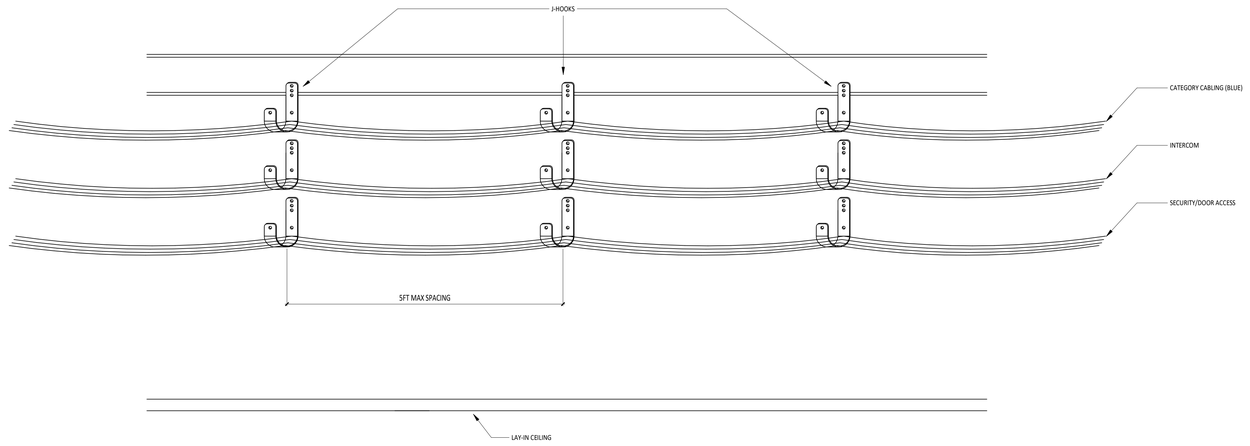


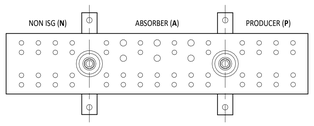
1 T1.2 **TYPICAL WIRELESS ACCESS POINT DETAIL**



2 T1.2 **TYPICAL CABLE SUPPORT DETAIL**

BONDING CONDUCTORS TO BE CONNECTED TO APPROPRIATE SECTION

PRIMARY BONDING BUSBAR (PBB)
MAIN EQUIPMENT ROOM



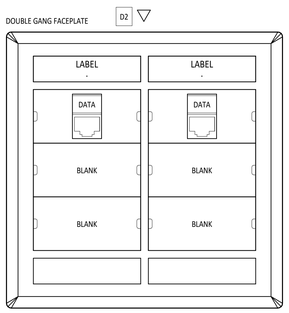
REFER TO VOICE AND DATA CABLING SPECIFICATIONS
27 1513 FOR GROUNDING AND BONDING REQUIREMENTS FOR TECHNOLOGY CABLING/EQUIPMENT

NON ISG (**N**) SECTION
- CABLE TRAYS
- EQUIPMENT CHASSIS GROUNDS
- SERVER AND WIRE MGMT RACKS
- ANY DATA/SERVER REFERENCE GROUNDS

ABSORBER (**A**) SECTION (FROM LEFT TO RIGHT)
- BUILDING STEEL - 2/0
- BUILDING ELECTRIC GROUND/MGN - MATCH PANEL GROUND (4AWG MIN.) - PANEL P2 IN ROOM A106

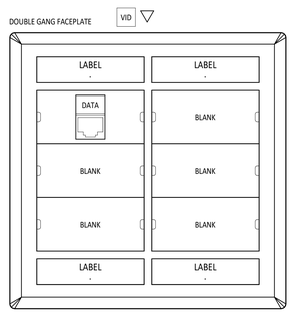
PRODUCER (**P**) SECTION
- METALLIC CABLE SHIELDS (TELEPHONE, CATV, ETC.)
- EXTERNAL ANTENNA SHIELDS
- LIGHTNING ARRESTORS/PROTECTORS (COMMUNICATIONS, ALL TYPES)

3 T1.2 **GROUNDING AND BONDING SCHEMATIC DIAGRAM**



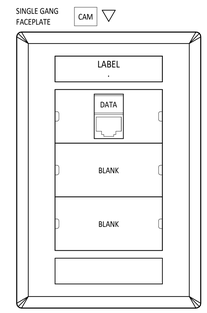
TYPICAL TYPE (D2) OUTLET - LABEL AS SHOWN IN DETAILS & ABOVE
- (2) CAT 6 BLUE CABLES TO TR AS INDICATED ON PLANS

4 T1.2 **DATA OUTLET (D2)**



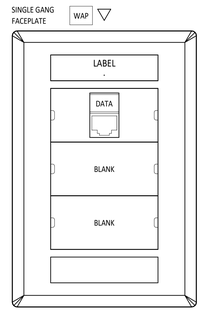
TYPICAL TYPE (VID) OUTLET - LABEL AS SHOWN IN DETAILS & ABOVE
- (1) CAT 6 BLUE CABLES TO TR AS INDICATED ON PLANS

5 T1.2 **VIDEO OUTLET (VID)**



TYPICAL TYPE (CAM) OUTLET - LABEL AS SHOWN IN DETAILS & ABOVE
- (1) CAT 6 YELLOW CABLE TO TR AS INDICATED ON PLANS

6 T1.2 **CAMERA OUTLET (CAM)**



TYPICAL TYPE (WAP) OUTLET - LABEL AS SHOWN IN DETAILS & ABOVE
- (1) CAT 6 BLUE CABLE TO TR AS INDICATED ON PLANS

7 T1.2 **WIRELESS ACCESS POINT OUTLET (WAP)**

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STATE OF OHIO
MATTHEW R. HIBNER
1416052
REGISTERED ARCHITECT

MATTHEW R. HIBNER
LICENSE #1416052
EXPIRATION DATE: 12/31/2027

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ARCANUM BOOSTER STADIUM PHASE III IMPROVEMENTS

NEW BUILDING FOR
310 NORTH MAIN STREET, ARCANUM, OH 45304

ISSUANCES/REVISIONS	
CD PHASE SUBMISSION	01/06/2026

PROJECT NUMBER:	DRAWN BY:	CHECKED BY:
23047.03	CDT	GAW

SHEET TITLE:
TECHNOLOGY DETAILS

SHEET NUMBER:
T1.2

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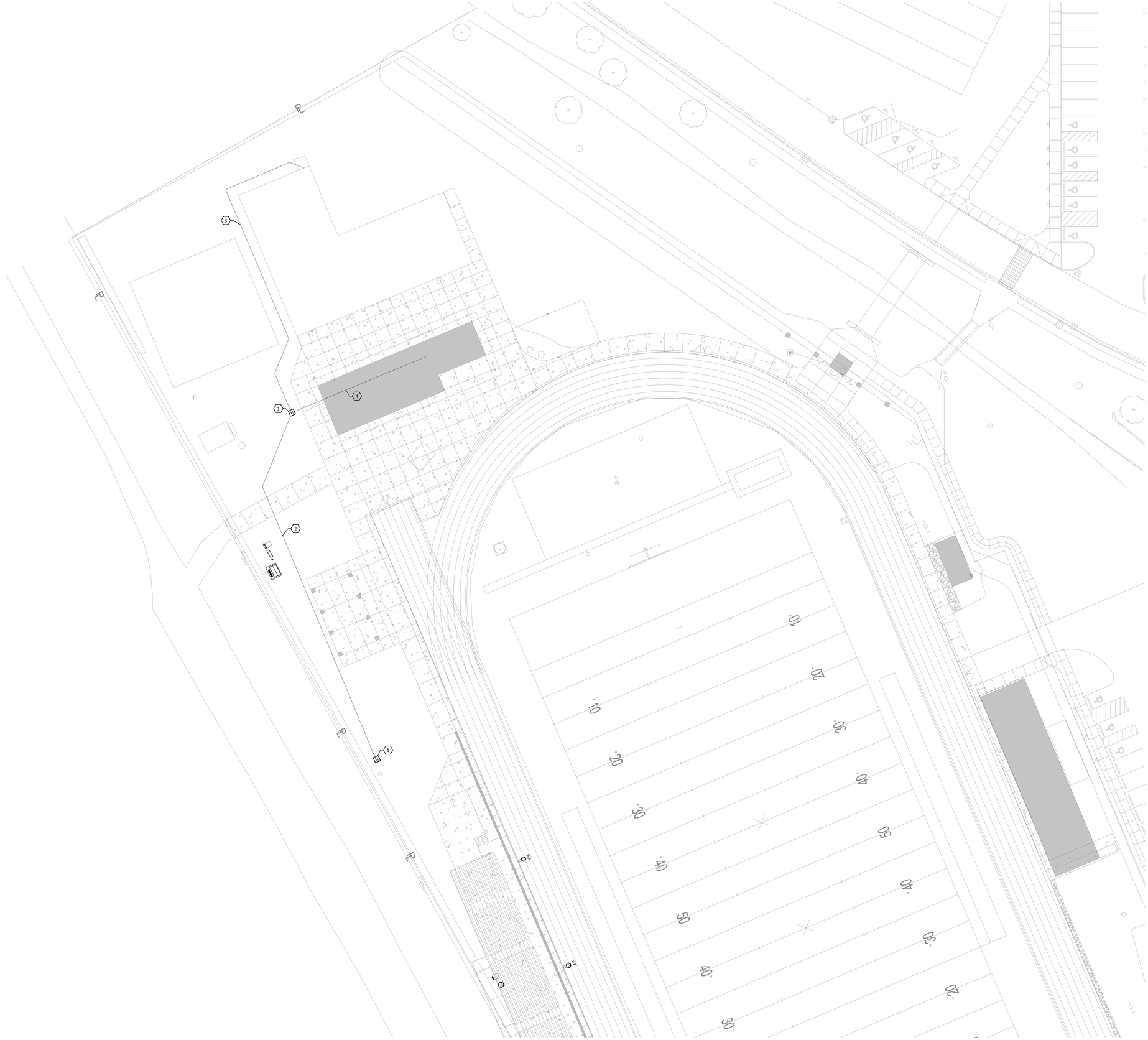

1 T2.1 **TECHNOLOGY SITE PLAN**
1" = 20'-0"

#	KEYNOTE DESCRIPTION
1	DIVISION 26 TO PROVIDE NEW HANDHOLE FOR FUTURE TECHNOLOGY CABLING.
2	DIVISION 26 TO PROVIDE A 2" UNDERGROUND CONDUIT WITH PULL STRING FOR FUTURE CONNECTIONS TO THE NEW PRESS BOX FROM THE NEW HANDHOLE AT THE CONCESSIONS BUILDING TO THE NEW HAND HOLE AT THE BLEACHERS.
3	DIVISION 26 TO PROVIDE A 2" UNDERGROUND CONDUIT WITH PULL STRING FOR FUTURE CONNECTIONS TO THE EXISTING WEIGHT ROOM BUILDING FROM THE NEW HAND HOLE AT THE CONCESSIONS BUILDING TO THE EXISTING WEIGHT ROOM BUILDING.
4	DIVISION 26 TO PROVIDE TWO (2) 2" CONDUITS WITH PULL STRING FROM THE NEW TECHNOLOGY RACK IN THE CONCESSIONS BUILDING TO THE HAND HOLE.

STATE OF OHIO
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NEW BUILDING FOR
ARCANUM BOOSTER STADIUM PHASE III IMPROVEMENTS
310 NORTH MAIN STREET, ARCANUM, OH 45304

ISSUANCES/REVISIONS

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SHEET TITLE:
TECHNOLOGY SITE PLAN

SHEET NUMBER:
T2.1

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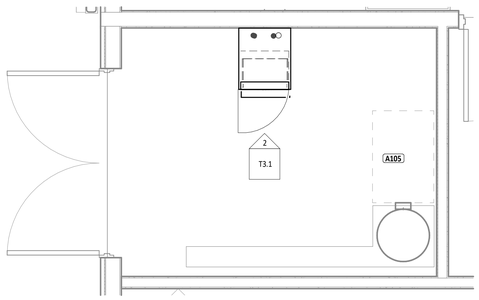
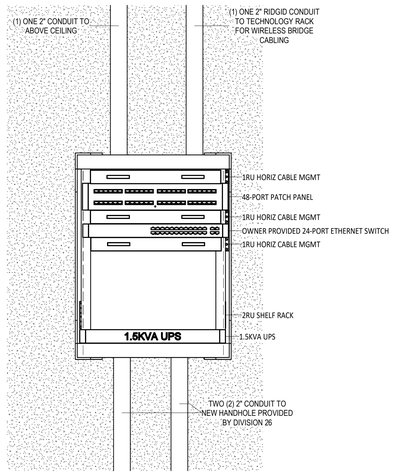
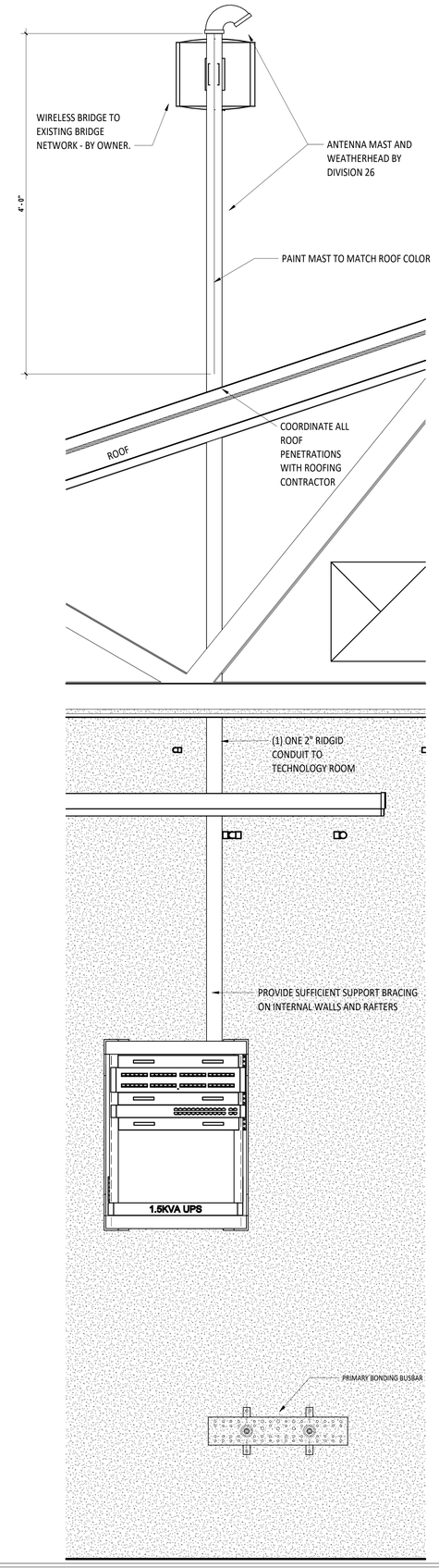


1 / T3.1 **ENLARGED TECHNOLOGY ROOM**
1/2" = 1'-0"



2 / T3.1 **ENLARGED TECHNOLOGY RACK**
1 1/2" = 1'-0"



3 / T3.1 **WIRELESS BRIDGE MAST ELEVATION**

STATE OF OHIO
MATTHEW R. HIBNER
1416052
REGISTERED ARCHITECT
MATTHEW R. HIBNER
LICENSE #1416052
EXPIRATION DATE: 12/31/2027

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NEW BUILDING FOR
ARCANUM BOOSTER STADIUM PHASE III IMPROVEMENTS
331 NORTH MAIN STREET, ARCANUM, OH 45304

ISSUANCES/REVISIONS	
CD PHASE SUBMISSION	01/06/2026

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SHEET TITLE:
ENLARGED TECHNOLOGY ROOMS

SHEET NUMBER:
T3.1

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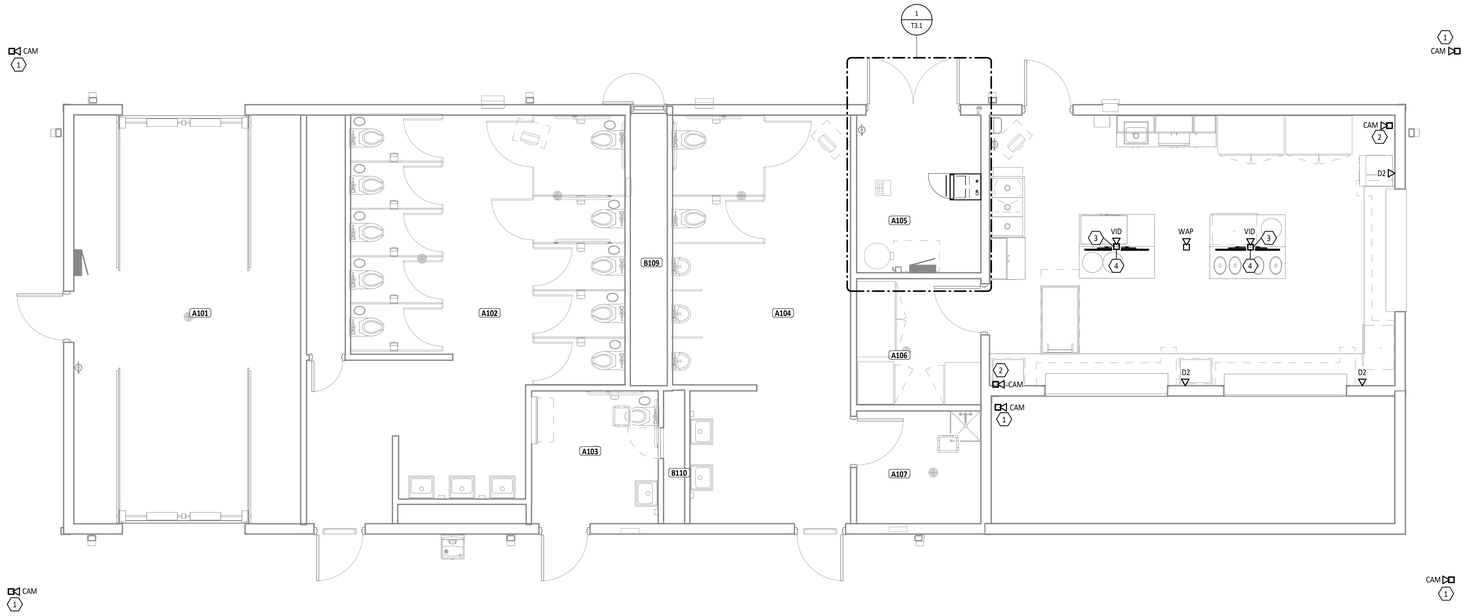

1 TC1.1 **TECHNOLOGY CALBING PLAN**
1/4" = 1'-0"

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FIRST FLOOR PLAN ROOM INDEX - UNIT A

ROOM NUMBER	ROOM NAME	AREA
A101	STORAGE ROOM	394 SF
A102	WOMEN'S RESTROOM	431 SF
A103	FAMILY RESTROOM	72 SF
A104	MEN'S RESTROOM	297 SF
A105	MECHANICAL ROOM	83 SF
A106	STORAGE ROOM	67 SF
A107	JANITOR CLOSET	60 SF
A108	CONCESSION STAND	467 SF

#	KEYNOTE DESCRIPTION
1	DIVISION 26 TO PROVIDE CONDUIT TO ACCESSIBLE LOCATION AND ROUGH-IN JUNCTION BOX IN THE SOFFIT. DIVISION 27 TO PROVIDE CAT 6 CABLE FOR FUTURE CAMERA.
2	DIVISION 26 TO PROVIDE ROUGH-IN JUNCTION BOX IN CEILING. DIVISION 27 TO PROVIDE CAT 6 CABLE FOR FUTURE CAMERA.
3	DIVISION 26 TO PROVIDE ROUGH-IN JUNCTION BOX IN CEILING. DIVISION 27 TO PROVIDE VID CABLING FOR FUTURE TV'S.
4	PROVIDE A CEILING MOUNT AND CEILING PLATE WITH ADJUSTABLE COLUMN TO MOUNT 42" TO 75" FLAT PANEL DISPLAYS. INSTALL OWNER PROVIDED FLAT PANEL. COORDINATE WITH OWNER.

STATE OF OHIO
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1416052
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SHEET TITLE:
TECHNOLOGY CABLING PLAN

SHEET NUMBER:
TC1.1