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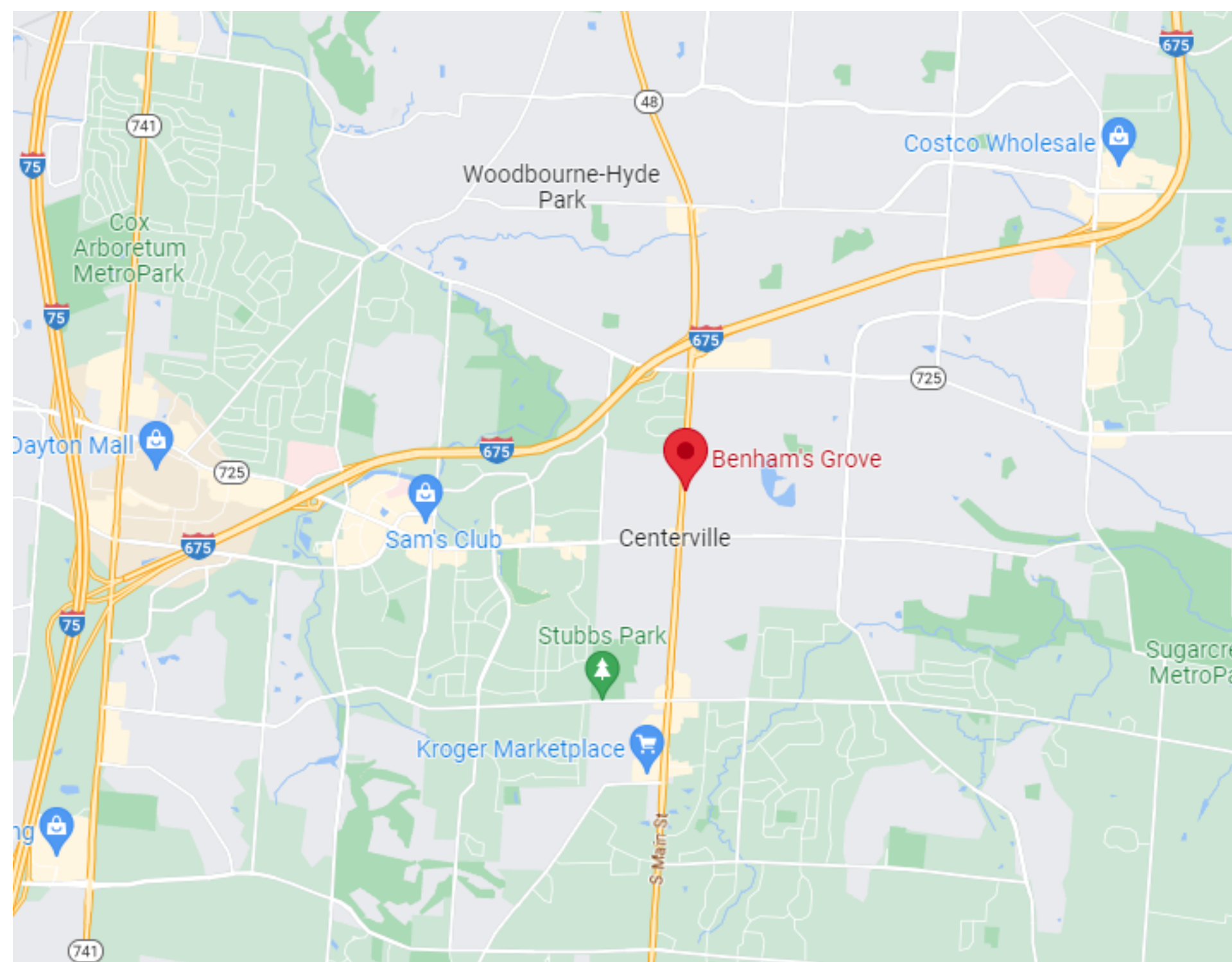
Event Center & Site Improvements

250 N MAIN ST, CENTERVILLE, OH 45459

2023-11-21

COMMISSION # 22627.00

CONSTRUCTION DOCUMENTS



1 VICINITY MAP
SCALE: N.T.S.

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0002	SPECIAL INSPECTION REQUIREMENTS
AS101	SITE PLAN NEW
AS102	ENLARGED SITE PLAN EVENT CENTER 4 SITE DETAILS
AS103	SITE DETAILS
AS105	IRRIGATION PLANS
C-1.0	GENERAL NOTES
C-1.1	EXISTING CONDITIONS AND DEMO PLAN
C-2.0	SITE PLAN
C-3.0	GRADING PLAN
C-4.0	UTILITY PLAN
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E199	WALL SECTIONS, DETAILS AND PLAN DETAILS
E200	WALL SECTIONS, DETAILS AND PLAN DETAILS

GENERAL CONTRACTOR:

STRUCTURAL:



PME:



CIVIL:



LANDSCAPE:



YELLOW SPRINGS DESIGN
LANDSCAPE ARCHITECT
830 XENIA AVENUE, YELLOW SPRINGS, OHIO 45387
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No.	Revisions / Submissions	Date
1	Event Center & Site ReBid	2023-11-21



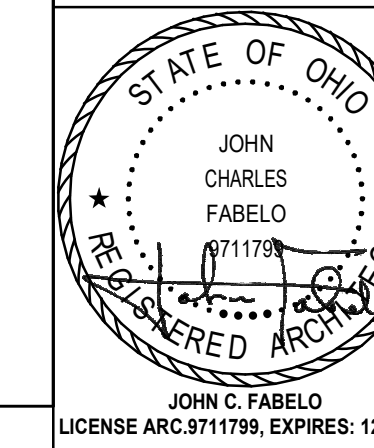
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TITLE SHEET

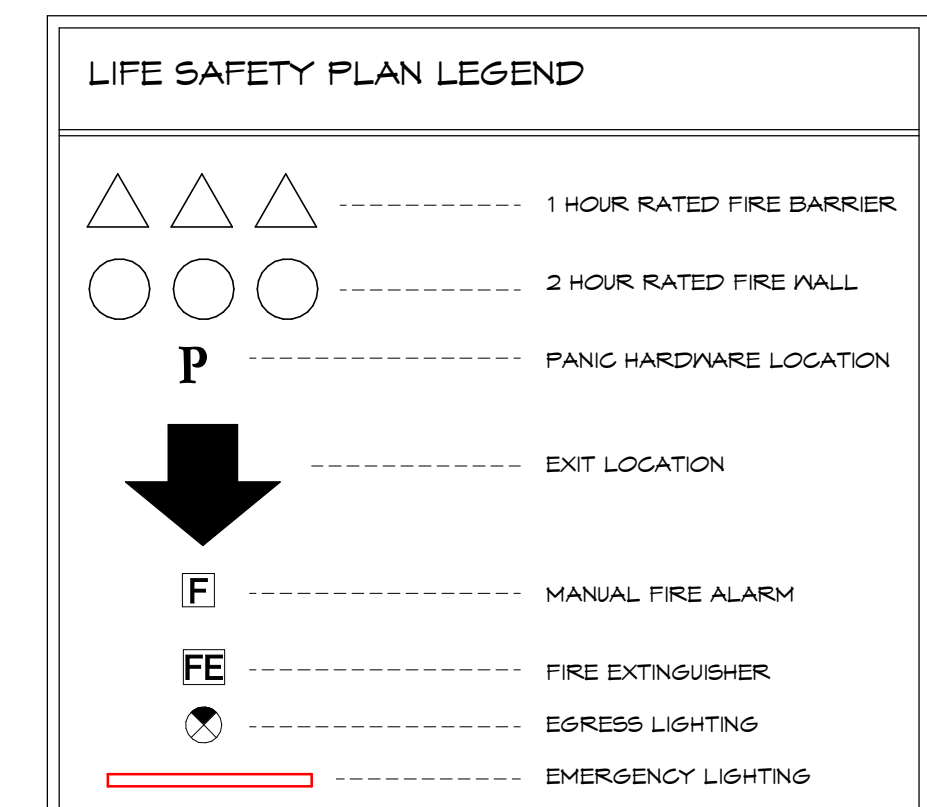
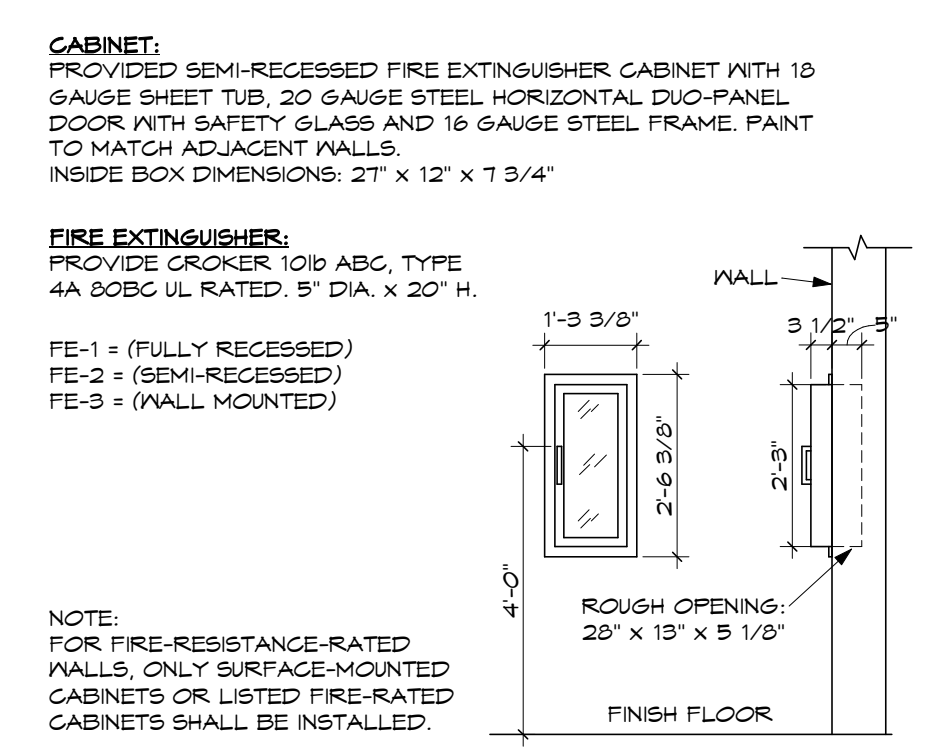
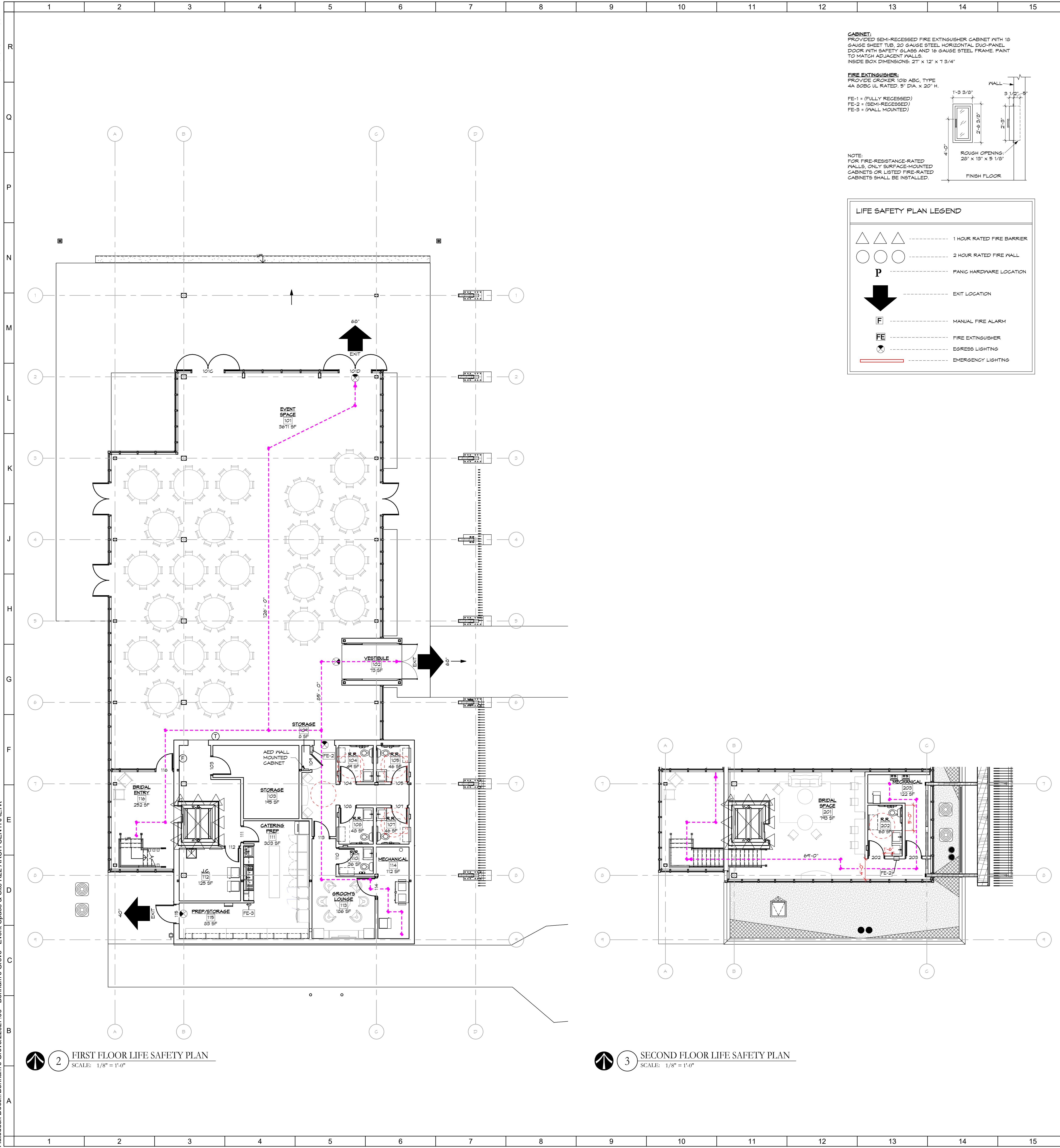
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VIEW TITLE	SYMBOL NAME	SYMBOL MARK
NORTH ARROW	1	↑
REFERENCE SHEET	REF	→
VIEW NAME	VIEW	○
SCALE: 1/8" = 1'-0" A101		
SYMBOL NAME	SYMBOL MARK	
MALL TAG	1	○
WINDOW TAG	W-01	○
CEILING TAG	CE-01	○
INTERIOR FINISH MATERIAL TAG	IF-01	○
SPECIALTY EQUIPMENT TAG	EQ-01	○
PLUMBING FIXTURE TAG	PL-01	○
CASEWORK TAG	CA-01	○
FURNITURE TAG	F-01	○
DOOR TAG	D-01	○
ROOM TAG	R-01	○
LEVEL REFERENCE	EL. 100'-0"	○
EXISTING GRIDLINE	1	○
NEW GRIDLINE	1	○
KEYED NOTE	1	○
MATCHLINE	1/101	○
REVISION	1	○

2017 OHIO BUILDING

PROJECT SUMMARY
NON-CONSTRUCTION - BANQUET HALL

Area
8000 SF

CHAPTER 3: USE AND OCCUPANCY CLASSIFICATION
NON-SEPARATED MIXED USE
A-3 ASSEMBLY
KITCHENS
STORAGE AREAS

CHAPTER 5: HEIGHT AND AREA
TABLE 504.3 ALLOWABLE BUILDING HEIGHT IN FEET
A-2 TYPE IIB SPRINKLER - 79 (COMPLIES)
TABLE 504.4 ALLOWABLE NUMBER OF STOREYS
A-2 TYPE IIB SPRINKLER - 3 STOREYS (COMPLIES)
SECTION 505 MEZZANINES & EQUIPMENT PLATFORMS
A MEZZANINE IS LOCATED ABOVE THE BACK OF HOUSE USES
SECTION 505.3 EQUIPMENT PLATFORMS
SHALL NOT BE CONSIDERED AS A PORTION OF THE FLOOR BELOW
THE AREA SHALL NOT BE GREATER THAN TWO THIRDS OF THE AREA OF THE ROOM IN WHICH THEY ARE LOCATED
SECTION 505.3.1 AREA LIMITATION
THE AREA SHALL NOT BE GREATER THAN TWO THIRDS OF THE AREA OF THE ROOM IN WHICH THEY ARE LOCATED
SECTION 505.3.2 AUTOMATIC SPRINKLER SYSTEM
SHALL BE FULLY PROTECTED BY SPRINKLERS ABOVE & BELOW - REF. SECTION 903.3
TABLE 505.2 ALLOWABLE AREA FACTOR - PROJECT IS LESS THAN THE MOST RESTRICTIVE BELOW
A-2 TYPE IIB SPRINKLER - ...

CHAPTER 6: TYPES OF CONSTRUCTION
TABLE 601 FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS - CONSTRUCTION TYPE IIB
TABLE 602
TYPE IIB, NON-COMBUSTIBLE

CHAPTER 7: FIRE & SMOKE PROTECTION FEATURES
TABLE 705.2 PROJECTIONS WITH <30" FIRE SEPARATION DISTANCE
TABLE 705.2.1 TYPE I CONSTRUCTION
TABLE 705.2.2 TYPE II
UNLIMITED WALL OPENINGS PERMITTED DUE TO 30" FIRE SEPARATION DISTANCE, UNPROTECTED & SUPPRESSED
SECTION 705.11 PARASOLS: NOT REQUIRED PER EXCEPTION #1

CHAPTER 8: INTERIOR FINISHES
TABLE 803.1.1 INTERIOR WALL AND CEILING FINISH REQUIREMENTS BY OCCUPANCY
THE FOLLOWING WALL AND CEILING FINISH REQUIREMENTS SHALL BE PROVIDED FOR THE PROJECT, WHICH IS FULLY SUPPRESSED:
USE GROUP A-2:
EXIT ENCLOSURES AND EXIT PASSAGEWAYS CLASS B
CORRIDORS CLASS B
ROOM AND ENCLOSED SPACES CLASS C
USE GROUP S:
EXIT ENCLOSURES AND EXIT PASSAGEWAYS CLASS C
CORRIDORS CLASS C
ROOM AND ENCLOSED SPACES CLASS C
SECTION 804 INTERIOR FLOOR FINISH
CLASS B FLOOR COVERINGS ARE PERMITTED PER EXCEPTION FOR A BUILDING EQUIPPED THROUGHOUT WITH AN AUTOMATIC SUPPRESSION SYSTEM

CHAPTER 9: FIRE PROTECTION SYSTEMS
AN AUTOMATIC FIRE SUPPRESSION SYSTEM SHALL BE INSTALLED THROUGHOUT THE BUILDING PER 903.2.1.2 AND TO THE FOLLOWING WALL AND CEILING AREA LIMITS IN TABLE 903.2.2
SECTION 903 PORTABLE FIRE EXTINGUISHERS
QUICK RESPONSE SPRINKLERS ARE USED IN USE GROUP A AREAS, IN AREAS WHERE FLAMMABLE OR COMBUSTIBLE LIQUIDS ARE STORED, USED OR DISPENSED, PORTABLE FIRE EXTINGUISHERS ONLY IN AREAS REQUIRED BY THE BUILDING OFFICIAL
SECTION 907 FIRE ALARM & DETECTION SYSTEM
SECTION 907.2.1 GROUP A - THE BUILDING WILL FEATURE A MANUAL FIRE ALARM/VOICE SYSTEM

CHAPTER 10: MEANS OF EGRESS
TABLE 1003.2 ALL CEILING IN THE MEANS OF EGRESS SHALL HAVE A MINIMUM CEILING HEIGHT OF T - 6"
TABLE 1004 DESIGN OCCUPANT LOAD
ASSEMBLY WITHOUT FIXED SEATS 4150 SF / 15 net = 276
KITCHENS 3000 SF / 200 net = 1500
STORAGE AREAS 201 SF / 200 net = 1005
UNOCCUPYABLE CIRCULATION 1260 SF / 0 net = 1260
DESIGN OCCUPANT LOAD TOTAL = 2761

1004.5 OUTDOOR AREAS
THE OUTDOOR PROGRAM AREAS ARE APPLICABLE TO THIS SECTION AND MUST MEET THE FOLLOWING CRITERIA:
• OCCUPANT LOAD OF 48 PEOPLE OR LESS AND ONE EXIT (TABLE 1019.1)
• OCCUPANT LOAD OF 50+ MUST HAVE TWO EXITS OR MORE
• COMMON PATH OF EGRESS TRAVEL - 50 PER 1014.3
1005.3.2 MINIMUM REQUIRED EGRESS WIDTH
OCCUPANT LOAD X 0.15' PER OCCUPANT FOR A SUPPRESSED BUILDING
325 OCCUPANTS X 0.15 = 48.75' REQUIRED, GREATER THAN 44" IS PROVIDED ACROSS 7 EXITS
TABLE 1006.2.1 SPRINKLER EXITS OR EXIT ACCESS DOORWAY
BASED UPON A2 USE GROUP, FULLY SUPPRESSED
• O.L. > 30 OCCUPANTS AND 75 FEET OF TRAVEL
• MAXIMUM COMMON PATH OF EGRESS TRAVEL - 75 FEET
1007.1.1 TWO EXITS OR EXIT ACCESS DOORWAYS
• MAXIMUM COMMON PATH OF EGRESS TRAVEL - 75 FEET
1007.1.1 TWO EXITS OR EXIT ACCESS DOORWAYS SHALL NOT BE LESS THAN 1/3 THE DIAGONAL DISTANCE OF THE AREA SERVED.
REFER TO LIFE SAFETY PLAN FOR ACTUAL DISTANCES.
1009.1 ACCESSIBLE MEANS OF EGRESS REQUIRED
ALL ACCESSIBLE SPACES SHALL HAVE ACCESS TO AT LEAST ONE ACCESSIBLE MEANS OF EGRESS. TWO ACCESSIBLE MEANS OF EGRESS SHALL BE PROVIDED AS STIPULATED BY 1009.2 OR 1009.3
1010.1.4.2 POWER OPERATED DOORS
POWER OPERATED DOOR SHALL BE INSTALLED AT THE MAIN ENTRY VESTIBULE. THE DOORS SHALL OPEN UPON APPROACH OF A PERSON AND FEATURE A FULL BREAK-OUT VOICE TO ALLOW EMERGENCY EGRESS.
TABLE 1011.2 - EXIT ACCESS TRAVEL DISTANCE
IN OCCUPANT ALONG 250 FEET WITH FIRE SUPPRESSION
TABLE 1020.1 CORRIDOR FIRE-RESISTANCE RATING
USE GROUPS A DO NOT REQUIRE A CORRIDOR TO BE RATED WHEN THE BUILDING IS EQUIPPED WITH AN AUTOMATIC FIRE SUPPRESSION SYSTEM
1024.3 ASSEMBLY MAIN EXIT
EXITS ARE DISTRIBUTED AROUND THE PERIMETER OF THE BUILDING AT THE LEVEL OF EXIT DISCHARGE AS PERMITTED BY EXCEPTION. THE TOTAL REQUIRED WIDTH OF EXITS IS PROVIDED ACROSS THE MULTIPLE EXITS

SECTION 1101
101.2 I.C. A111.1 CLEARANCES AND REQUIREMENTS ARE INDICATED ON THE DRAWINGS
1104.1 ONE ACCESSIBLE ROUTE SHALL BE PROVIDED FROM THE PARKING AREA TO THE MAIN ENTRANCE
TABLE 1104.1 BASED

CHAPTER 11: ACCESSIBILITY
COMPLYING WITH REQUIREMENTS OF CHAPTER 11 AND ANSI A117.1

CHAPTER 24: PLUMBING
BANQUET HALL - DESIGN OCCUPANT LOAD - 325 OCC / 2 + 163 (F) + 163 (M)
WATER CLOSETS 1/75 (F) + 1/125 (M) 5 REQUIRED 8 PROVIDED
LAVATORIES 1/200 2 REQUIRED 6 PROVIDED
DRINKING FOUNTAINS 1/500 1 REQUIRED 0 PROVIDED (FREE WATER PROVIDED)
SERVICE SINK 1 REQUIRED 1 PROVIDED

ABBREVIATIONS	ABBREVIATIONS
1	LEVEL
2	ANGLE
3	AT
4	A/C
5	AIR CONDITIONING
6	ADJ. VENT. OR AV
7	ATTIC ACCESS PANEL
8	AC. CLS.
9	AC. CLS.
10	AC. CLS.
11	AC. CLS.
12	AC. CLS.
13	AC. CLS.
14	AC. CLS.
15	AC. CLS.
16	AC. CLS.
17	AC. CLS.
18	AC. CLS.
19	AC. CLS.
20	AC. CLS.
21	AC. CLS.
22	AC. CLS.
23	AC. CLS.

No. Revisions / Submissions Date

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INCORPORATED
434 East First Street Dayton, OH 45402 937.223.6500
712 East Main Street Richmond, IN 47374 765.966.3546

City of Centerville
Benham's Grove

Event Center & Site Improvements

250 N MAIN ST, CENTERVILLE, OH 45459

EVENT CENTER GENERAL NOTES AND LIFE SAFETY PLAN

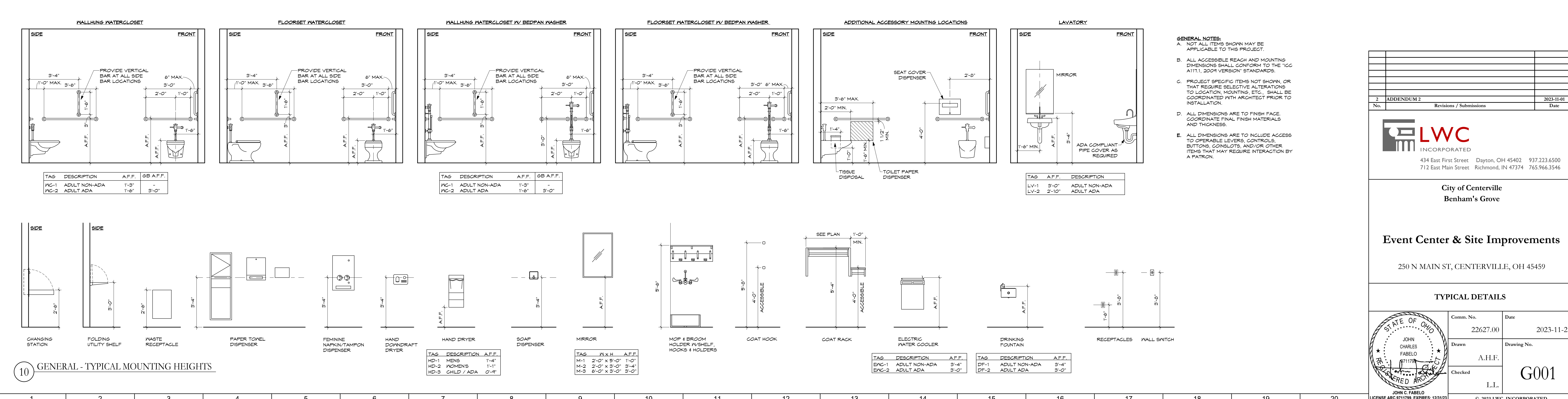
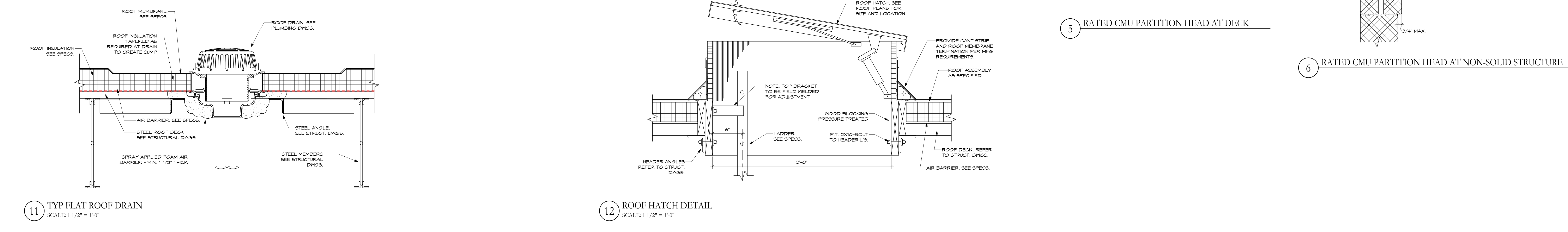
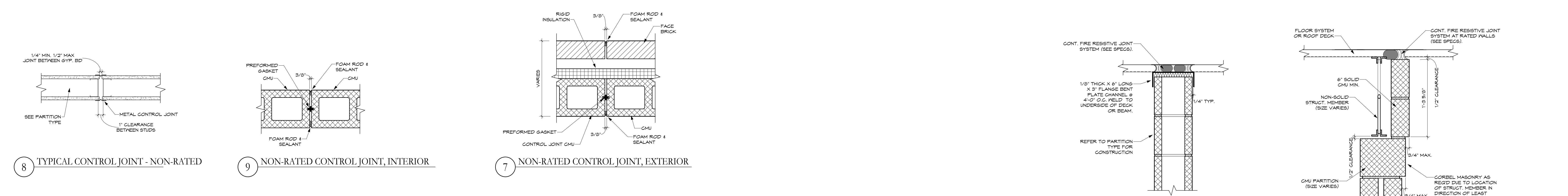
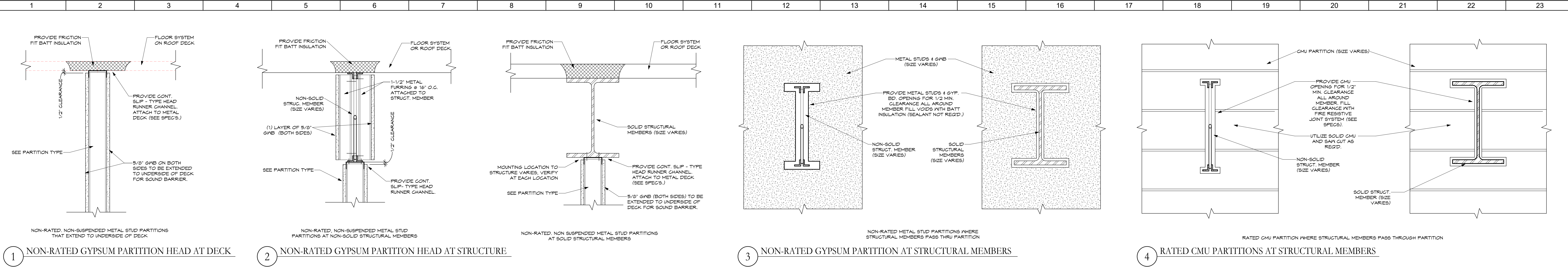
Comm. No. 22627.00 Date 2023-11-21

Drawn A.H.F. Drawing No. E.G001

Checked L.L.

JOHN C. FABELLO
REGISTERED ARCHITECT
LICENSED ARCH 9711789, EXPIRES: 12/31/23

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GENERAL NOTES:

- NOT ALL ITEMS SHOWN MAY BE APPLICABLE TO THIS PROJECT.
- ALL ACCESSIBLE REACH AND MOUNTING DIMENSIONS SHALL CONFORM TO THE "2010 ADA" AND "2010 ADA" STANDARDS.
- PROJECT SPECIFIC ITEMS NOT SHOWN OR THAT REQUIRE SELECTIVE ALTERATIONS TO LOCATION, MOUNTING, ETC., SHALL BE COORDINATED WITH ARCHITECT PRIOR TO INSTALLATION.
- ALL DIMENSIONS ARE TO FINISH FACE. COORDINATE FINAL FINISH MATERIALS AND THICKNESS.
- ALL DIMENSIONS ARE TO INCLUDE ACCESS TO OPERABLE LEVERS, CONTROLS, BUTTONS, CONSOLES, AND/OR OTHER ITEMS THAT MAY REQUIRE INTERACTION BY A PATRON.

ADDENDUM 2		2023-11-01
No.	Revisions / Submissions	Date

LWC
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 434 East First Street Dayton, OH 45402 937.223.6500
 712 East Main Street Richmond, IN 47374 765.966.3546

City of Centerville
 Benham's Grove

Event Center & Site Improvements

250 N MAIN ST, CENTERVILLE, OH 45459

TYPICAL DETAILS

Comm. No.	Date
22627.00	2023-11-21
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A.H.F.	G001
Checked	L.L.

STATE OF OHIO
 JOHN CHARLES FABELO
 071178
 REGISTERED ARCHITECT
 JOHN C. FABELO
 LICENSE ARC 8711789, EXPIRES: 12/31/22

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SPECIAL INSPECTION REQUIREMENTS

THE OWNER SHALL RETAIN AN APPROVED AGENCY TO PERFORM SPECIAL INSPECTION SERVICES DURING THE CONSTRUCTION OF THIS PROJECT. A CONTRACT WILL BE EXECUTED FOR THIS PURPOSE WITH THE APPROVED AGENCY AND WILL INCLUDE THE FOLLOWING REQUIREMENTS.

THE SPECIAL INSPECTION AGENCY SHALL MEET ALL REQUIREMENTS OF THE 2015 INTERNATIONAL BUILDING CODE TO BE QUALIFIED AS AN APPROVED AGENCY.

THE SPECIAL INSPECTION AGENCY SHALL PERFORM ALL OF THE FOLLOWING SERVICES

- 1. THE AGENCY SHALL SUBMIT INDIVIDUAL INSPECTION REPORTS FOR EACH INSPECTION ACTIVITY WITHIN FIVE DAYS OF THE DATE EACH INSPECTION WAS PERFORMED. ALL REPORTS SHALL BE SUBMITTED DIRECTLY TO THE ENGINEER OF RECORD. THE ENGINEER OF RECORD IS DEFINED AS THE INDIVIDUAL WHOSE SEAL AND SIGNATURE IS APPLIED TO EACH DRAWING THAT SHOWS THE WORK THAT HAS BEEN INSPECTED. EACH REPORT SHALL BE SIGNED AND DATED BY AN AUTHORIZED OFFICIAL OF THE AGENCY WHO SHALL CONTAIN THE FOLLOWING STATEMENT: ALL ITEMS INSPECTED ARE IN FULL COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS OF THE CONSTRUCTION CONTRACT DOCUMENTS AND OF THE BUILDING CODE EXCEPT AS FOLLOWS: THE AGENCY SHALL THEN FULLY DESCRIBE ANY AND ALL CONSTRUCTION DEFICIENCIES OBSERVED.
- 2. THE AGENCY SHALL FILE A FINAL REPORT UPON COMPLETION OF THE PROJECT WITH THE SAME ENTITIES AS FOR THE INDIVIDUAL REPORTS. THE FINAL REPORT SHALL BE SIGNED AND DATED BY AN AUTHORIZED OFFICIAL OF THE AGENCY AND SHALL CONTAIN THE FOLLOWING STATEMENT: ALL ITEMS INSPECTED DURING THE ENTIRE COURSE OF THIS PROJECT ARE CURRENTLY IN FULL COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS OF THE CONSTRUCTION CONTRACT DOCUMENTS AND OF THE BUILDING CODE EXCEPT AS FOLLOWS: THE AGENCY SHALL THEN FULLY DESCRIBE ANY AND ALL CONSTRUCTION DEFICIENCIES OBSERVED.
- 3. THE AGENCY SHALL PERFORM ALL INSPECTION REQUIRED BY THE 2015 INTERNATIONAL BUILDING CODE FOR STEEL CONSTRUCTION, CONCRETE CONSTRUCTION, MASONRY CONSTRUCTION WITH LEVEL 1 SPECIAL INSPECTION SERVICES, AND SOILS PLACEMENT AND COMPACTATION. AS A MINIMUM, INSPECTION SHALL BE AS DESCRIBED BELOW WHERE CONTINUOUS INSPECTION IS INDICATED, THE SPECIAL INSPECTOR SHALL BE PRESENT FOR THE ENTIRE OPERATION FROM BEGINNING TO END WHERE PERIODIC INSPECTION IS INDICATED, THE SPECIAL INSPECTOR SHALL BE PRESENT AT THE COMPLETION OF THE OPERATION ON EACH DAY THAT THE DESCRIBED WORK OCCURS AND SHALL BE PRESENT AT THE TIMES THEY DETERMINE NECESSARY IN ORDER FOR THEM TO CERTIFY IN THEIR DAILY REPORT THAT THE INSPECTED ITEM COMPLIES WITH ALL REQUIREMENTS. MINIMUM INSPECTION REQUIREMENTS ARE AS FOLLOWS.

**TABLE 1704.7
REQUIRED VERIFICATION AND INSPECTION OF SOILS**

VERIFICATION AND INSPECTION TASK	CONTINUOUS DURING TASK LISTED	PERIODICALLY DURING TASK LISTED
1. Verify materials below shallow foundations are adequate to achieve the design bearing capacity.	—	X
2. Verify excavations are extended to proper depth and have reached proper material.	—	X
3. Perform classification and testing of compacted fill materials.	—	X
4. Verify use of proper materials, densities and lift thicknesses during placement and compaction of compacted fill.	X	—
5. Prior to placement of compacted fill, observe subgrade and verify that site has been prepared properly.	—	X

**TABLE 1704.4
REQUIRED VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION**

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD*	OBC REFERENCE
1. Inspection of reinforcing steel, including prestressing tendons, and placement.	—	X	ACI 318: 3.5, 7.1-7.7	1913.4
2. Inspection of reinforcing steel welding in accordance with Table 1704.3, Item 5b.	—	—	AWS D1.4 ACI 318: 3.5.2	—
3. Inspection of bolts to be installed in concrete prior to and during placement of concrete where allowable loads have been increased or where strength design is used.	X	—	ACI 318: 8.1.3, 21.2.8	1911.5, 1912.1
4. Inspection of anchors installed in hardened concrete.	—	X	ACI 318: 3.8.6, 8.1.3, 21.2.8	1912.1
5. Verifying use of required design mix.	—	X	ACI 318: Ch. 4, 5.2-5.4	1904.3, 1913.2, 1913.3
6. At the time fresh concrete is sampled to fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.	X	—	ASTM C 172 ASTM C 31 ACI 318: 5.6, 5.8	1913.10
7. Inspection of concrete and shotcrete placement for proper application techniques.	X	—	ACI 318: 5.9, 5.10	1913.6, 1913.7, 1913.8
8. Inspection for maintenance of specified curing temperature and techniques.	—	X	ACI 318: 5.11-5.13	1913.9
9. Inspection of prestressed concrete: a. Application of prestressing forces. b. Grouting of bonded prestressing tendons in the seismic-force-resisting system.	X X	—	ACI 318: 18.20 ACI 318: 18.18.4	—
10. Erection of precast concrete members.	—	X	ACI 318: Ch. 16	—
11. Verification of in-situ concrete strength, prior to stressing of tendons in posttensioned concrete and prior to removal of shores and forms from beams and structural slabs.	—	X	ACI 318: 6.2	—
12. Inspect formwork for shape, location and dimensions of the concrete member being formed.	—	X	ACI 318: 6.1.1	—

① **SPECIAL INSPECTION REQUIREMENTS**

**TABLE 1704.3
REQUIRED VERIFICATION AND INSPECTION OF STEEL CONSTRUCTION**

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD*	OBC REFERENCE
1. Material verification of high-strength bolts, nuts and washers:				
a. Identification markings to conform to ASTM standards specified in the approved construction documents.	—	X	AISC 360, Section A3.3 and applicable ASTM material standards	—
b. Manufacturer's certificate of compliance required.	—	X	—	—
2. Inspection of high-strength bolting:				
a. Snug-tight joints.	—	X	—	—
b. Pretensioned and slip-critical joints using turn-of-nut with matchmarking, twist-off bolt or direct tension indicator methods of installation.	—	X	AISC 360, Section M2.5	1704.3.3
c. Pretensioned and slip-critical joints using turn-of-nut without matchmarking or calibrated wrench methods of installation.	X	—	—	—
3. Material verification of structural steel and cold-formed steel deck:				
a. For structural steel, identification markings to conform to AISC 360.	—	X	AISC 360, Section M5.5	—
b. For other steel, identification markings to conform to ASTM standards specified in the approved construction documents.	—	X	Applicable ASTM material standards	—
c. Manufacturer's certified test reports.	—	X	—	—
4. Material verification of weld filler materials:				
a. Identification markings to conform to AWS specification in the approved construction documents.	—	X	AISC 360, Section A3.5 and applicable AWS A5 documents	—
b. Manufacturer's certificate of compliance required.	—	X	—	—
5. Inspection of welding:				
a. Structural steel and cold-formed steel deck:				
1) Complete and partial joint penetration groove welds.	X	—	—	—
2) Multipass fillet welds.	X	—	—	—
3) Single-pass fillet welds > 3/16"	X	—	AWS D1.1	1704.3.1
4) Plug and slot welds.	X	—	—	—
5) Single-pass fillet welds ≤ 3/16"	—	X	—	—
6) Floor and roof deck welds.	—	X	AWS D1.3	—

(continued)

**TABLE 1704.3—continued
REQUIRED VERIFICATION AND INSPECTION OF STEEL CONSTRUCTION**

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD*	OBC REFERENCE
b. Reinforcing steel:				
1) Verification of weldability of reinforcing steel other than ASTM A 706.	—	X	—	—
2) Reinforcing steel resisting flexural and axial forces in intermediate and special moment frames, and boundary elements of special structural walls of concrete and shear reinforcement.	X	—	AWS D1.4 ACI 318: Section 3.5.2	—
3) Shear reinforcement.	X	—	—	—
4) Other reinforcing steel.	—	X	—	—
6. Inspection of steel frame joint details for compliance:				
a. Details such as bracing and stiffening.	—	X	—	—
b. Member locations.	—	X	—	1704.3.2
c. Application of joint details at each connection.	—	X	—	—

**TABLE 1704.5.1
LEVEL 1 REQUIRED VERIFICATION AND INSPECTION OF MASONRY CONSTRUCTION**

VERIFICATION AND INSPECTION	FREQUENCY OF INSPECTION		REFERENCE FOR CRITERIA		
	CONTINUOUS	PERIODIC	OBC SECTION	TMS 402/ACI 530/ASCE 5*	TMS 602/ACI 530.1/ASCE 6*
1. Compliance with required inspection provisions of the construction documents and the approved submittals shall be verified.	—	X	—	—	Art. 1.5
2. Verification of f'_m and f'_{sc} . Prior to construction except where specifically exempted by this code.	—	X	—	—	Art. 1.4B
3. Verification of slump flow and VSI as delivered to the site for self-consolidating grout.	X	—	—	—	Art. 1.5B.1.b.3
4. As masonry construction begins, the following shall be verified to ensure compliance:					
a. Proportions of site-prepared mortar.	—	X	—	—	Art. 2.6A
b. Construction of mortar joints.	—	X	—	—	Art. 3.3B
c. Location of reinforcement, connectors, prestressing tendons and anchorages.	—	X	—	—	Art. 3.4, 3.6A
d. Prestressing technique.	—	X	—	—	Art. 3.6B
e. Grade and size of prestressing tendons and anchorages.	—	X	—	—	Art. 2.4B, 2.4H
5. During construction the inspection program shall verify:					
a. Size and location of structural elements.	—	X	—	—	Art. 3.3F
b. Type, size and location of anchors, including other details of anchorage of masonry to structural members, frames or other construction.	—	X	—	Sec. 1.2.2(e), 1.16.1	—
c. Specified size, grade and type of reinforcement, anchor bolts, prestressing tendons and anchorages.	—	X	—	Sec. 1.15	Art. 2.4, 3.4
d. Welding of reinforcing bars.	X	—	—	Sec. 2.1.9.7.2, 3.3.4(b)	—
e. Preparation, construction and protection of masonry during cold weather (temperature below 40°F) or hot weather (temperature above 90°F).	—	X	Sec. 2104.3, 2104.4	—	Art. 1.8C, 1.8D
f. Application and measurement of prestressing force.	X	—	—	—	Art. 3.6B

(continued)

**TABLE 1704.5.1—continued
LEVEL 1 REQUIRED VERIFICATION AND INSPECTION OF MASONRY CONSTRUCTION**

VERIFICATION AND INSPECTION	FREQUENCY OF INSPECTION		REFERENCE FOR CRITERIA		
	CONTINUOUS	PERIODIC	OBC SECTION	TMS 402/ACI 530/ASCE 5*	TMS 602/ACI 530.1/ASCE 6*
6. Prior to grouting, the following shall be verified to ensure compliance:					
a. Grout space is clean.	—	X	—	—	Art. 3.2D
b. Placement of reinforcement and connectors, and prestressing tendons and anchorages.	—	X	—	Sec. 1.13	Art. 3.4
c. Proportions of site-prepared grout and prestressing grout for bonded tendons.	—	X	—	—	Art. 2.6B
d. Construction of mortar joints.	—	X	—	—	Art. 3.3B
7. Grout placement shall be verified to ensure compliance:					
a. Grouting of prestressing bonded tendons.	X	—	—	—	Art. 3.5
b. Grouting of prestressing bonded tendons.	X	—	—	—	Art. 3.6C
8. Preparation of any required grout specimens, mortar specimens and/or prisms shall be observed.	—	X	Sec. 2105.2.2, 2105.3	—	Art. 1.4

○ SHEET NOTES:

GENERAL NOTES:

No.	Revisions / Submissions	Date
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712 East Main Street Richmond, IN 47374 765.966.3546

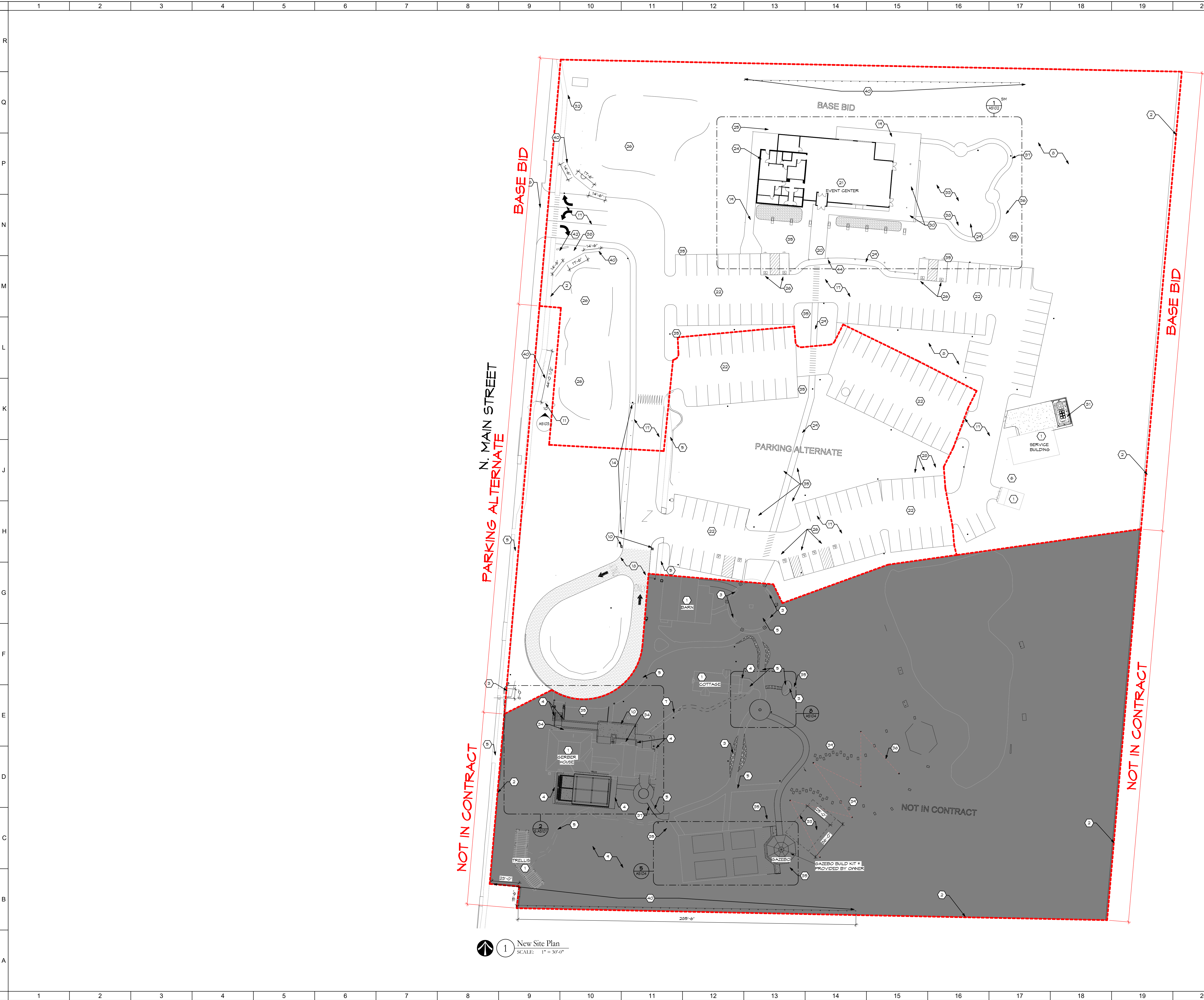
City of Centerville
Benham's Grove

Event Center & Site Improvements

250 N MAIN ST, CENTERVILLE, OH 45459

SPECIAL INSPECTION REQUIREMENTS

	Comm. No.	Date
	22627.00	2023-11-21
	Drawn	Drawing No.
A.M.F.	G002	
Checked	L.L.	
JOHN C. FABELO LICENSE ARC 9711799, EXPIRES: 12/31/23		



SHEET NOTES:

- EXISTING BUILDING.
- EXISTING FENCING.
- EXISTING BENCH.
- EXISTING STONE BORDER.
- EXISTING PAVERS TO REMAIN.
- EXISTING BUILDING DEMOLISHED.
- NOT USED.
- PROVIDE TEMPORARY FENCING TO PROTECT EXISTING SITE.
- PROTECT EXISTING SITE & EXISTING TREES.
- EXISTING LIMESTONE PIERS TO BE SALVAGED & REINSTALLED. SEE NEW WORK PLANS.
- EXISTING SIGNAGE TO BE SALVAGED & REINSTALLED. SEE NEW WORK PLANS.
- NOT USED.
- NOT USED.
- RELOCATE EXISTING BOLLARDS & CHAIN & RELOCATE. SEE NEW WORK PLANS.
- NOT USED.
- NEW CONCRETE APRON & CURB CUT.
- NEW ASPHALT PAVEMENT.
- NEW PAVED DRIVEWAY.
- NEW EXPOSED AGGREGATE CONCRETE PATIO & SIDEWALK.
- NEW EXPOSED AGGREGATE CONCRETE ACCESSIBLE RAMP.
- NEW EVENT CENTER BUILDING.
- NEW PAVEMENT MARKINGS.
- NOT USED.
- NEW ELECTRICAL SERVICE EQUIPMENT. SEE MEP DWGS.
- NEW GROUND MOUNT MECHANICAL UNITS. SEE MEP DWGS.
- NEW STORMWATER DETENTION AREA. REFER TO SITE GRADING PLAN.
- ACCESSIBLE PARKING SPACES.
- NOT USED.
- NEW PAVED PEDESTRIAN PATHWAY.
- NEW COVERED CONCRETE PATIO. SLOPED AWAY FROM BUILDING SEE CIVIL DWGS.
- NEW TRASH TOTE PAD & ENCLOSURE.
- NEW WATER METER & PIT.
- NEW REINFORCED TURF.
- NEW LANDSCAPE & LIMESTONE BORDER. SEE LANDSCAPE DWGS.
- NEW LANDSCAPE BEDS. SEE LANDSCAPE DWGS.
- NEW OVERHEAD STRING LIGHTS.
- NEW POLE FOR STRING LIGHT ATTACHMENT.
- ATTACH STRING LIGHT TO EXISTING TREE AS FEASIBLE. PROVIDE POLE IF NOT FEASIBLE.
- NEW LIMESTONE STEPPINGSTONES PROVIDED BY THE OWNER.
- NEW FENCING. ALTERNATE.
- NEW 3" HIGH PREFINISHED ALUMINUM HANDRAIL TO MATCH EXISTING AT SERBER HOUSE. PAINT AS SCHEDULED.
- NEW FOUNDATION & ELECTRICAL INFRASTRUCTURE FOR GROUND MOUNTED SIGNAGE.
- NEW SITE LIGHTING POLES AND FIXTURES. SEE ELECTRICAL DWGS.
- NEW ILLUMINATED BOLLARDS. SEE ELECTRICAL DWGS.
- PROVIDE #5 AT 18" O.C. EACH WAY, TOP AND BOTTOM IN 18" THICK CONCRETE SLAB SHOWN ON 6/.

GENERAL NOTES:

- OWNER SHALL OCCUPY SITE FOR DURATION OF PROJECT, PROVIDE TEMPORARY SIGNAGE & MAINTAIN ACCESS TO SITE AT ALL TIMES. REFER TO PHASING PLANS.
- PROTECT EXISTING - TO - REMAIN ITEMS THROUGHOUT THE PROJECT. REPAIRS TO ANY EXISTING - TO - REMAIN ITEMS DAMAGED BY CONTRACTOR OR SUBCONTRACTOR SHALL BE RESTORED AT CONTRACTOR'S EXPENSE. CONTRACTORS SHALL COORDINATE TEMPORARY BARRIERS, DEMOLITION, & NEW CONSTRUCTION TO COINCIDE WITH THE PHASING SHOWN.
- CONTRACTOR SHALL SUBMIT A SCHEDULE FOR OWNER TO REVIEW PRIOR TO STARTING ANY WORK.
- CONFER LOCATION OF ALL TREES, UTILITIES, AND OTHER SITE DEVELOPMENT IN THE LOCATION OF THE CONSTRUCTION LIMITS. NOTIFY ARCHITECT IMMEDIATELY OF A DISCREPANCY BETWEEN THE DRAWINGS AND EXISTING SITE CONDITIONS.
- NEW GRADES SHALL BLEND SMOOTHLY INTO EXISTING GRADES.
- CLEAN ALL DIRT, MUD, AND DEBRIS TRACKED ONTO ADJACENT ROADWAYS IMMEDIATELY.
- THE CONTRACTOR SHALL REPAIR ALL DAMAGE CAUSED DURING CONSTRUCTION WITH SIMILAR MATERIALS AND WORKMANSHIP TO RESTORE CONDITIONS TO LEVELS ACCEPTABLE TO THE ARCHITECT.
- MAINTAIN EXTERIOR EXIT PATHWAY TO PUBLIC RIGHT-OF-WAY THROUGHOUT PROJECT.
- FURNITURE IS SHOWN FOR COORDINATION PURPOSES ONLY. FURNITURE SHALL BE PURCHASED & INSTALLED UNDER SEPARATE CONTRACT.
- FINAL CONSTRUCTION IS SHOWN FOR ALL SPACES. CONSULT DEMOLITION & NEW WORK PLANS FOR WORK TO BE PERFORMED AS IDENTIFIED ON PHASING PLANS. CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFICATION & COORDINATING ALL WORK IDENTIFIED IN THE BID DOCUMENTS.
- CONTRACTOR IS RESPONSIBLE FOR INTERIM STORMWATER MANAGEMENT & SOIL EROSION CONTROLS THROUGHOUT THE SEQUENCE OF SITE CONSTRUCTION.

No.	Revisions / Submissions	Date

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712 East Main Street Richmond, IN 47374 765.966.3546

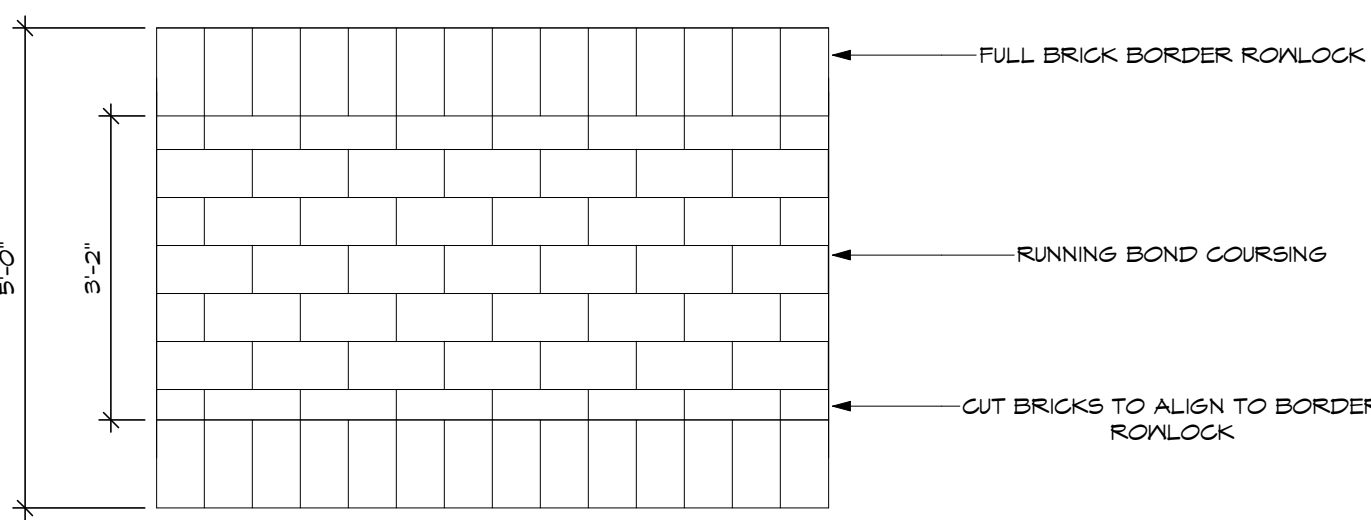
City of Centerville
Benham's Grove
Event Center & Site Improvements
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SITE PLAN NEW

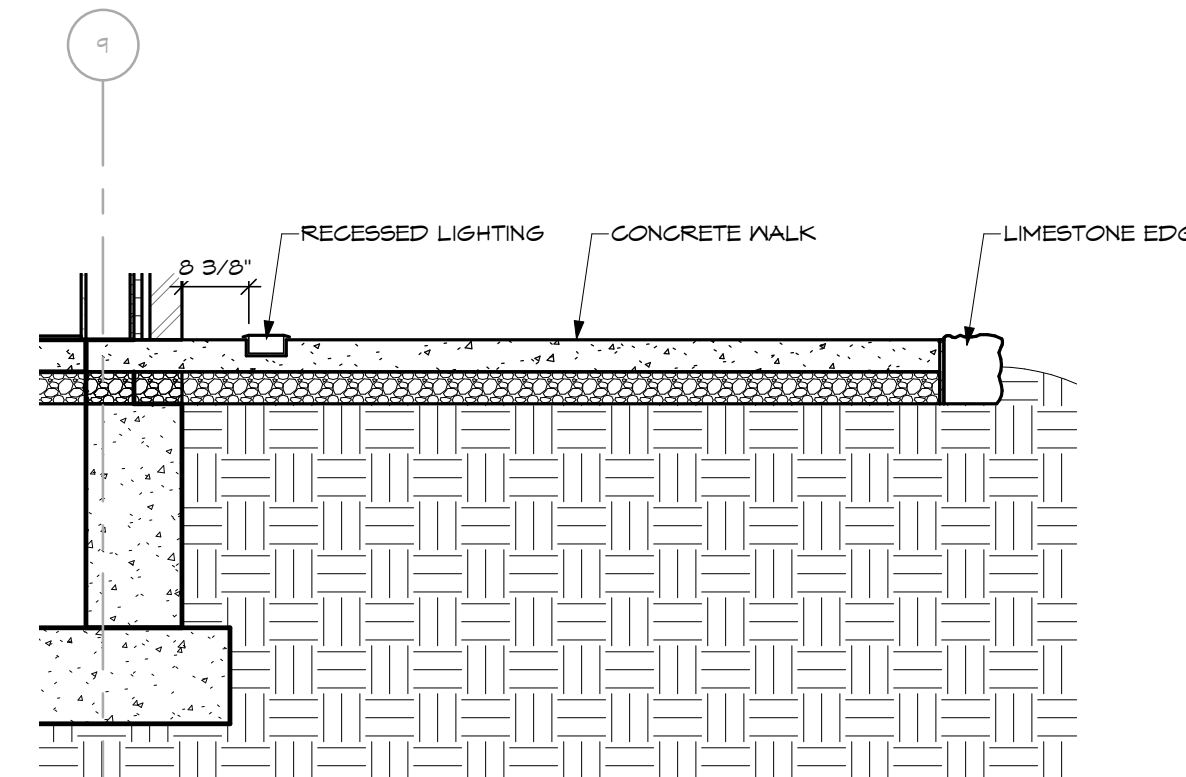
Comm. No.	22627.00	Date	2023-11-21
Drawn	A.H.F.	Drawing No.	AS101
Checked	L.L.		

STATE OF OHIO
JOHN CHARLES FABELO
711178
REGISTERED ARCHITECT
JOHN C. FABELO
LICENSE ARC 9711789, EXPIRES: 12/31/25

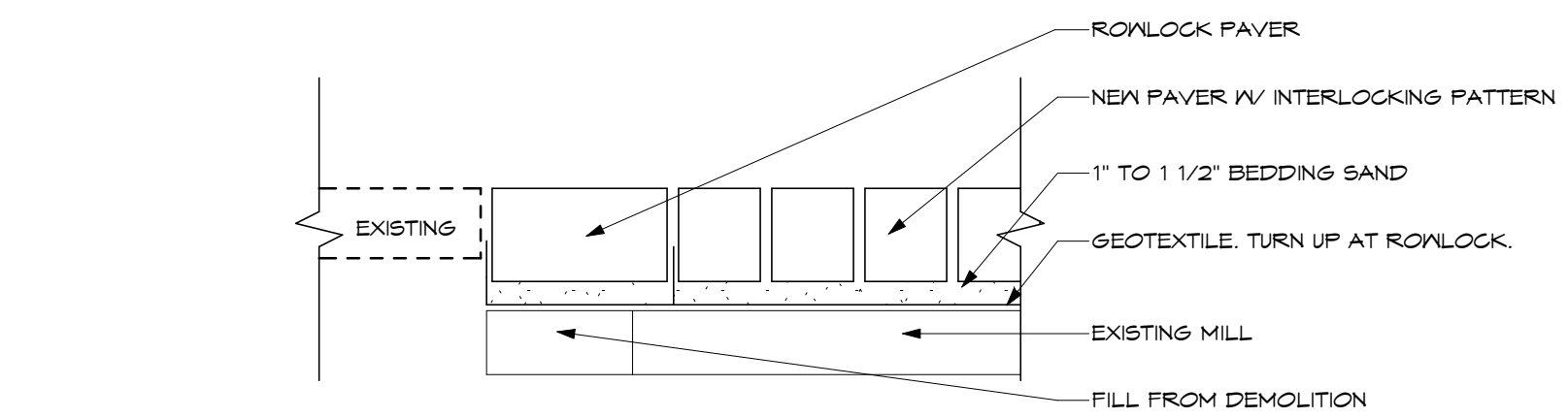
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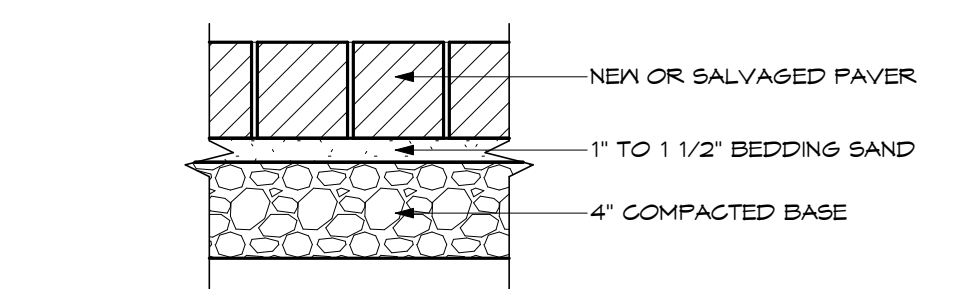
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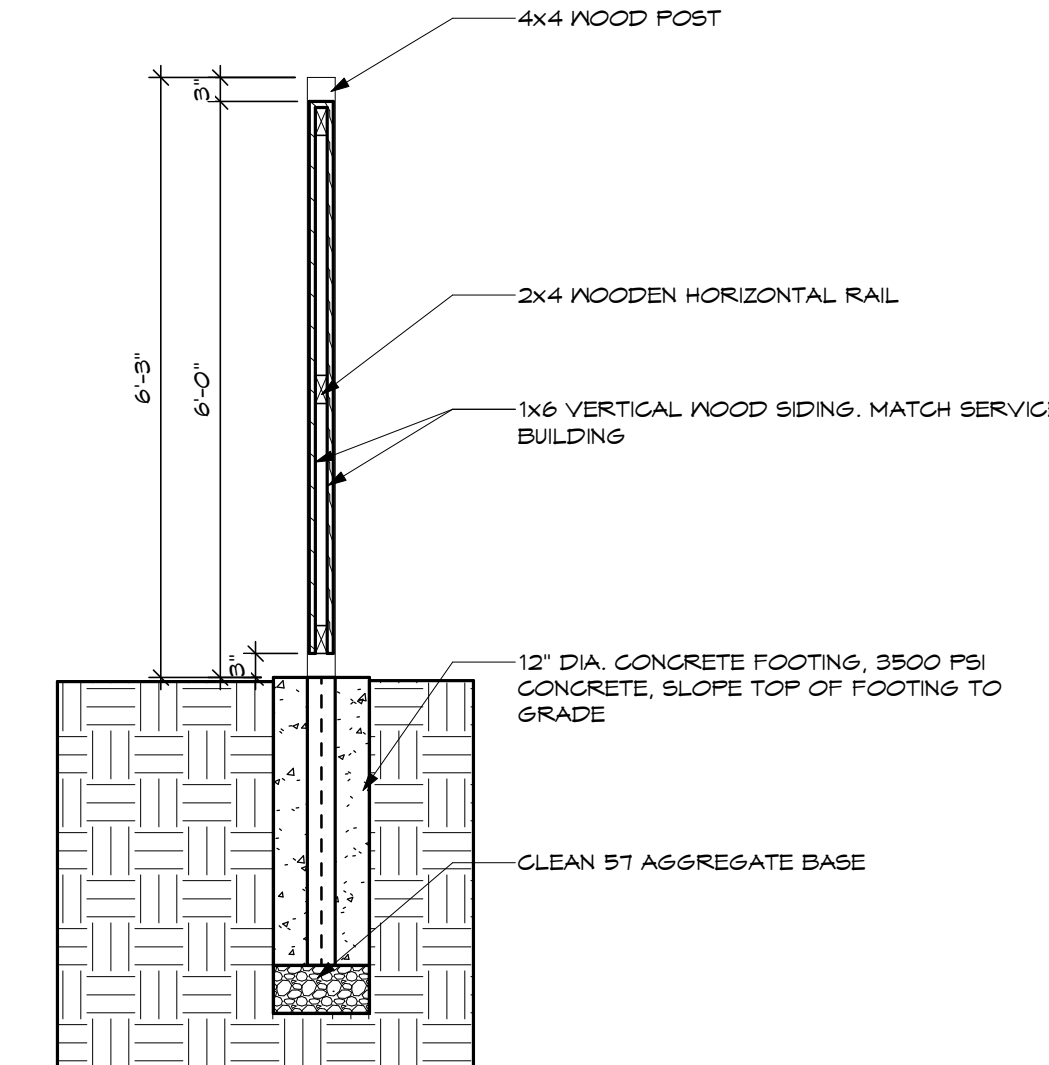
2 ENLARGED DETAIL
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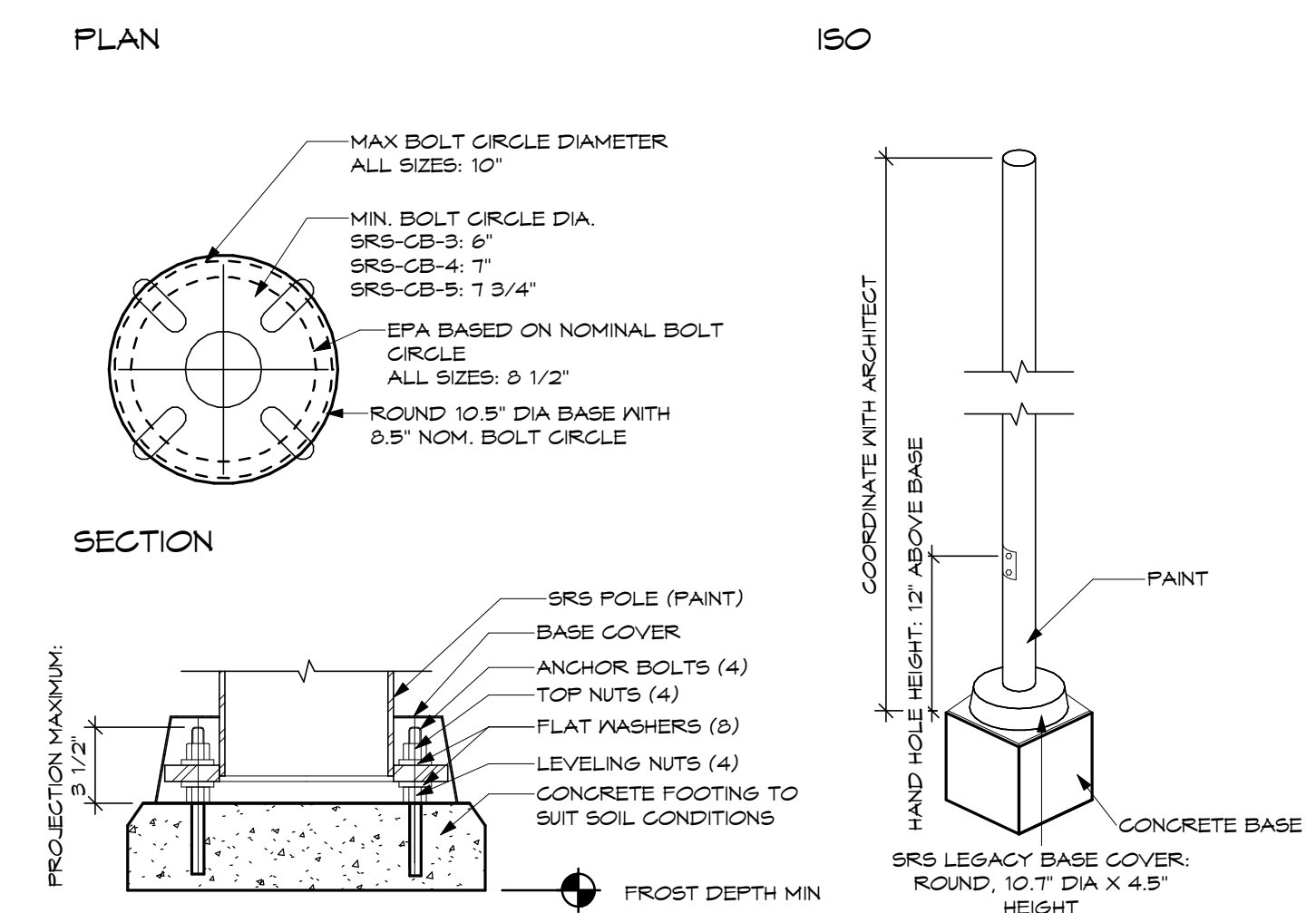
10 PAVER SECTION AT ROUNDABOUT DRIVE



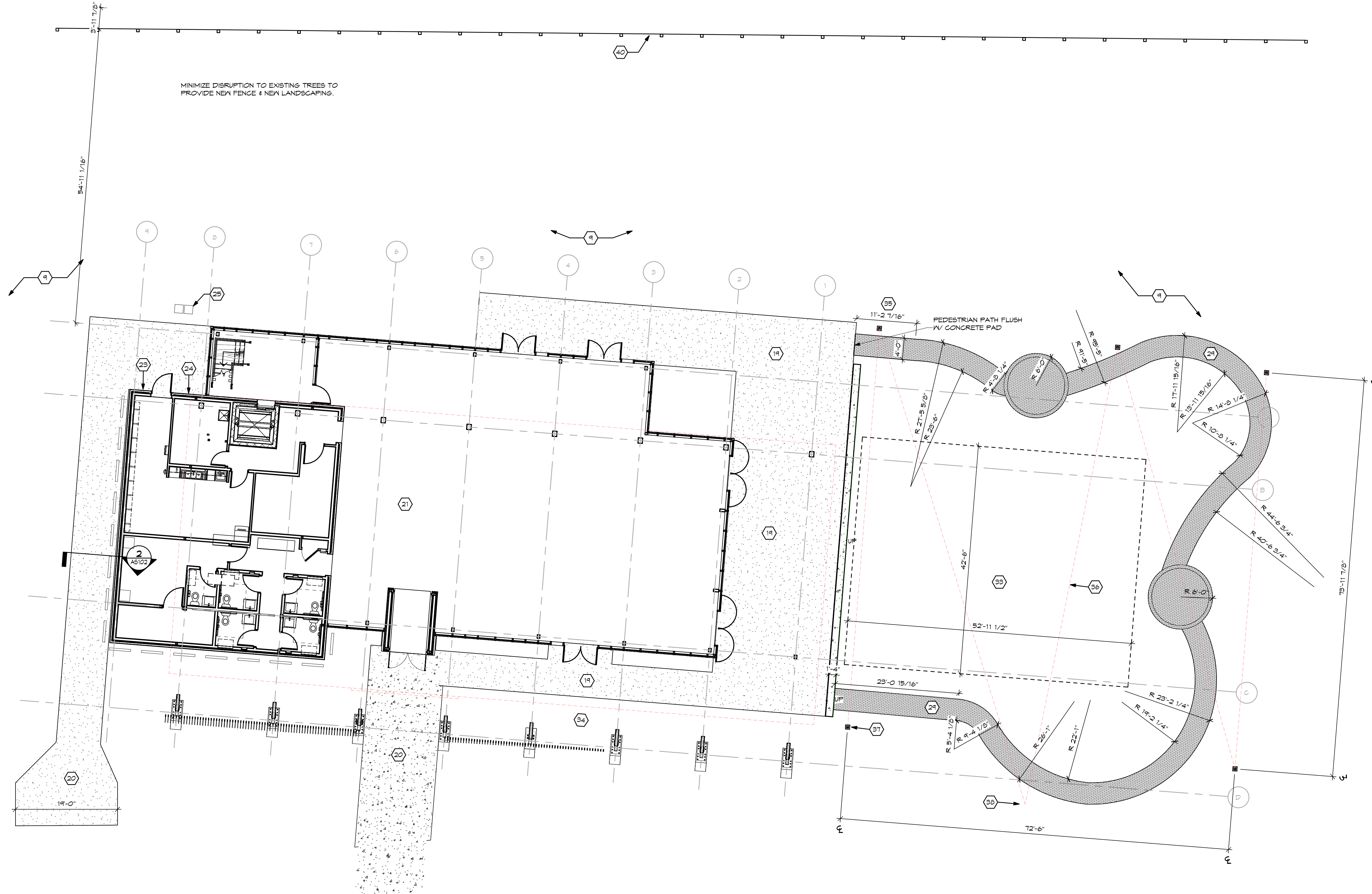
9 TYPICAL WALKWAY PAVER SECTION



5 PRIVACY FENCE POST DETAIL
SCALE: 1/2" = 1'-0"



8 SITE LIGHT POLE DETAIL



1 ENLARGED SITE PLAN EVENT CENTER
SCALE: 3/32" = 1'-0"

SHEET NOTES:

1. EXISTING BUILDING.
2. EXISTING FENCING.
3. EXISTING BENCH.
4. EXISTING STONE BORDER.
5. EXISTING PAVERS TO REMAIN.
6. EXISTING BUILDING DEMOLISHED.
7. NOT USED.
8. PROVIDE TEMPORARY FENCING TO PROTECT EXISTING SITE.
9. PROTECT EXISTING SITE & EXISTING TREES.
10. EXISTING LIMESTONE PIERS TO BE SALVAGED & REINSTALLED. SEE NEW WORK PLANS.
11. EXISTING SIGNAGE TO BE SALVAGED & REINSTALLED. SEE NEW WORK PLANS.
12. NOT USED.
13. NOT USED.
14. SALVAGE EXISTING BOLLARDS & CHAIN & RELOCATE. SEE NEW WORK PLANS.
15. NOT USED.
16. NEW CONCRETE APRON & CURB CUT.
17. NEW ASPHALT PAVEMENT.
18. NEW PAVER DRIVEWAY.
19. NEW EXPOSED AGGREGATE CONCRETE PATIO & SIDEWALK.
20. NEW EXPOSED AGGREGATE CONCRETE ACCESSIBLE RAMP.
21. NEW EVENT CENTER BUILDING.
22. NEW PAVEMENT MARKINGS.
23. NOT USED.
24. NEW ELECTRICAL SERVICE EQUIPMENT. SEE MEP DWGS.
25. NEW GROUND MOUNT MECHANICAL UNITS. SEE MEP DWGS.
26. NEW STORMWATER DETENTION AREA. REFER TO SITE GRADING PLAN.
27. ACCESSIBLE PARKING SPACES.
28. NOT USED.
29. NEW PAVER PEDESTRIAN PATHWAY.
30. NEW COVERED CONCRETE PATIO. SLOPED AWAY FROM BUILDING SEE CIVIL DWGS.
31. NEW TRASH TOTE PAD & ENCLOSURE.
32. NEW WATER METER & PIT.
33. NEW REINFORCED TURF.
34. NEW LANDSCAPE & LIMESTONE BORDER. SEE LANDSCAPE DWGS.
35. NEW LANDSCAPE BEDS. SEE LANDSCAPE DWGS.
36. NEW OVERHEAD STRING LIGHTS.
37. NEW POLE FOR STRING LIGHT ATTACHMENT.
38. ATTACH STRING LIGHT TO EXISTING TREE AS FEASIBLE. PROVIDE POLE IF NOT FEASIBLE.
39. NEW LIMESTONE STEPPINGSTONES PROVIDED BY THE OWNER.
40. NEW FENCING. ALTERNATE.
41. NEW 2" HIGH PREFINISHED ALUMINUM HANDRAIL TO MATCH EXISTING AT GERBER HOUSE. PAINT AS SCHEDULED.
42. NEW FOUNDATION & ELECTRICAL INFRASTRUCTURE FOR GROUND MOUNTED SIGNAGE.
43. NEW SITE LIGHTING POLES AND FIXTURES. SEE ELECTRICAL DWGS.
44. NEW ILLUMINATED BOLLARDS. SEE ELECTRICAL DWGS.
45. PROVIDE 15 AT 10' O.C. EACH WAY, TOP AND BOTTOM IN 15" THICK CONCRETE SLAB SHOWN ON 6/.

GLARIFICATIONS

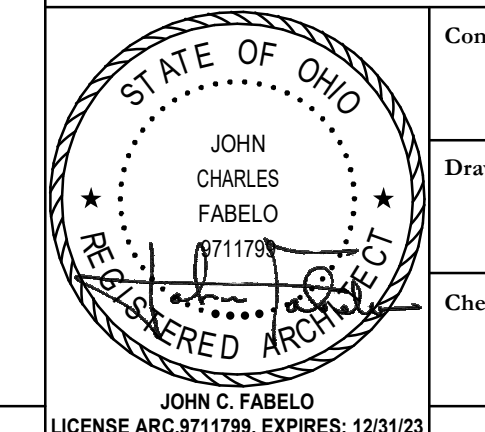
No.	Revisions / Submissions	Date
ADDENDUM 1		2023-10-24

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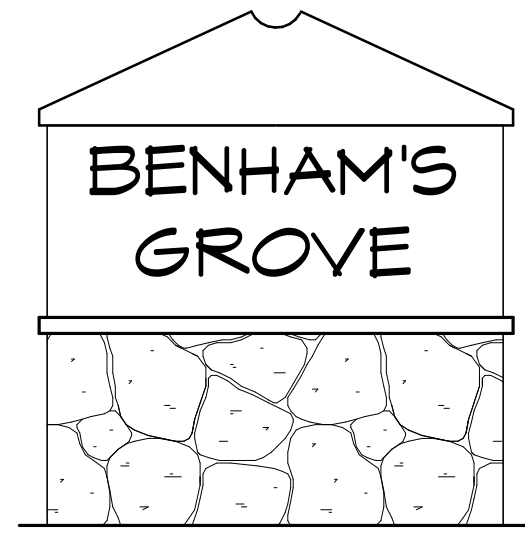
ENLARGED SITE PLAN EVENT CENTER & SITE DETAILS

Comm. No.	Date
22627.00	2023-11-21
Drawn	Drawing No.
A.H.F.	AS102
Checked	
L.L.	

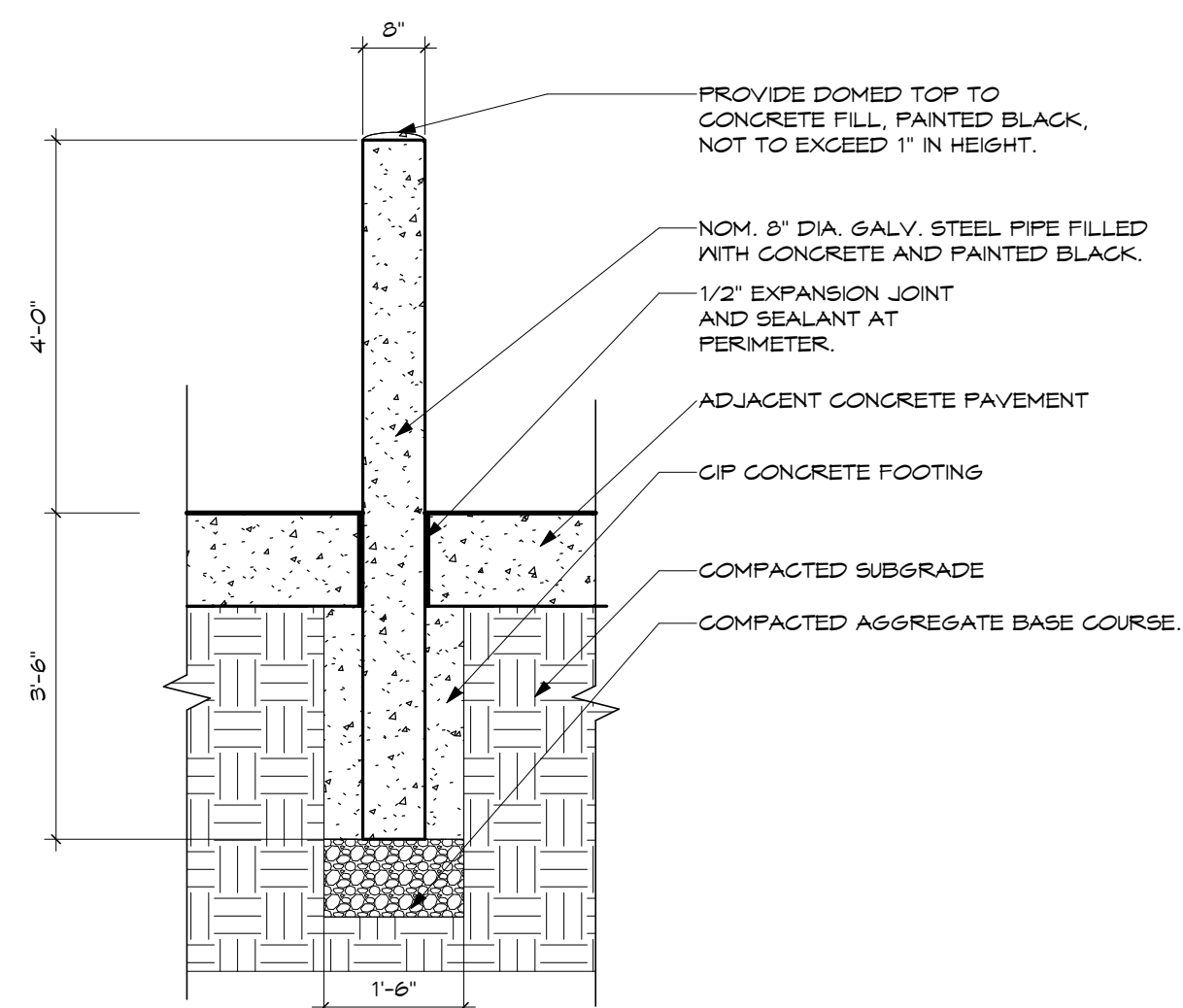


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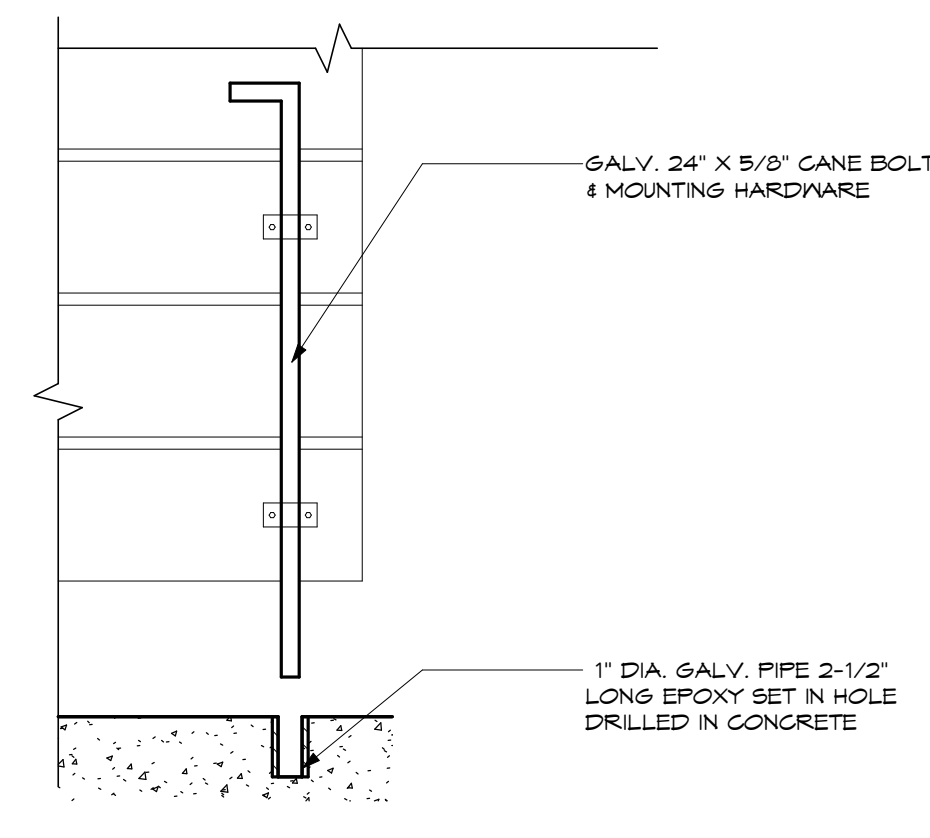
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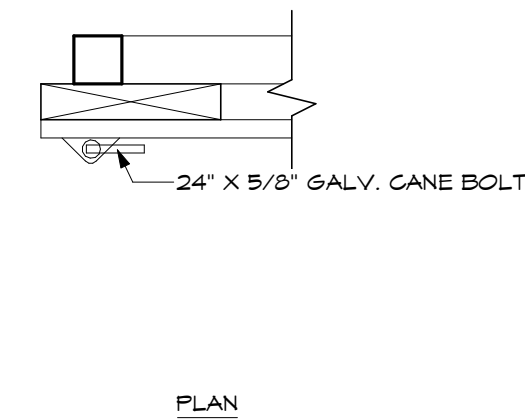
10 EXISTING SITE SIGNAGE
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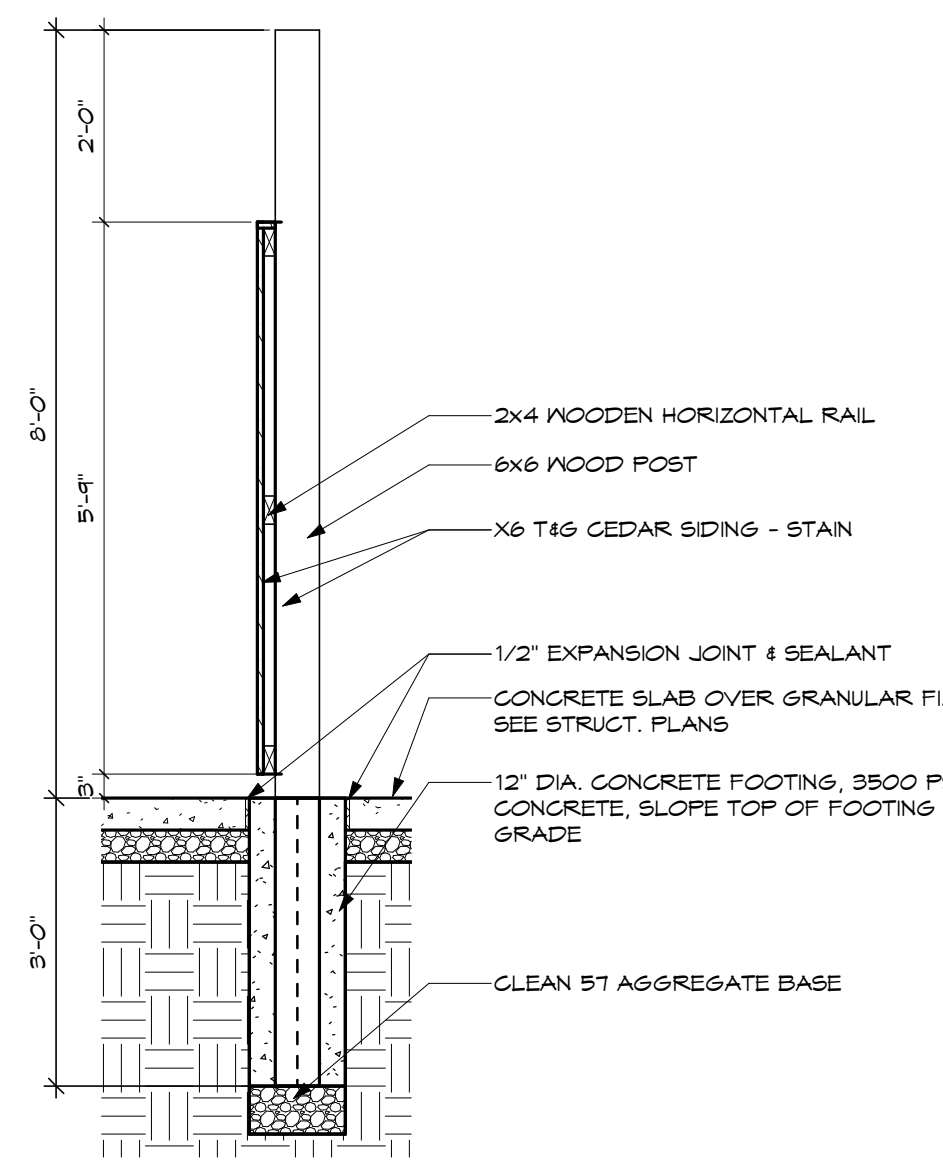
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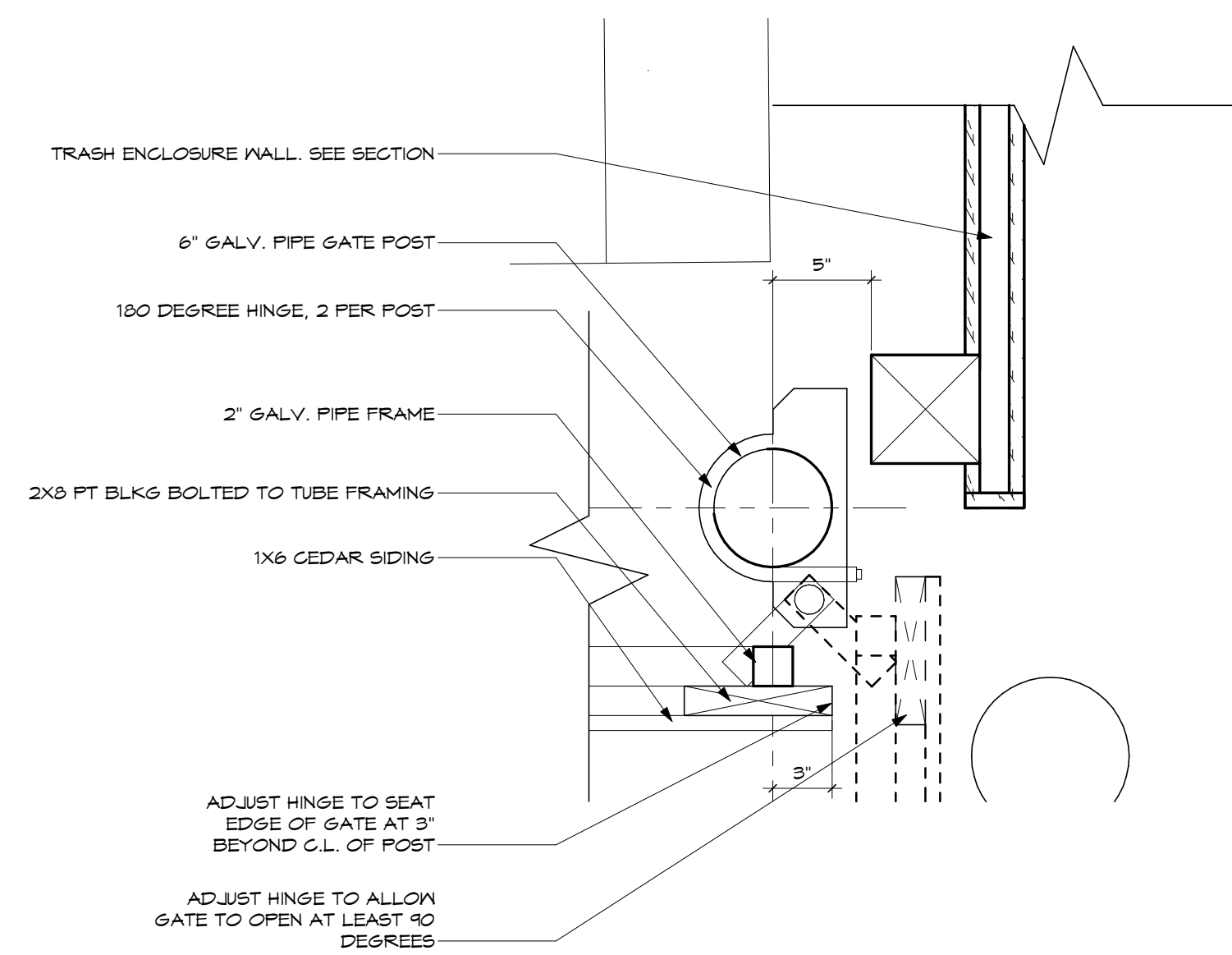
6 TRASH ENCLOSURE CANE BOLT
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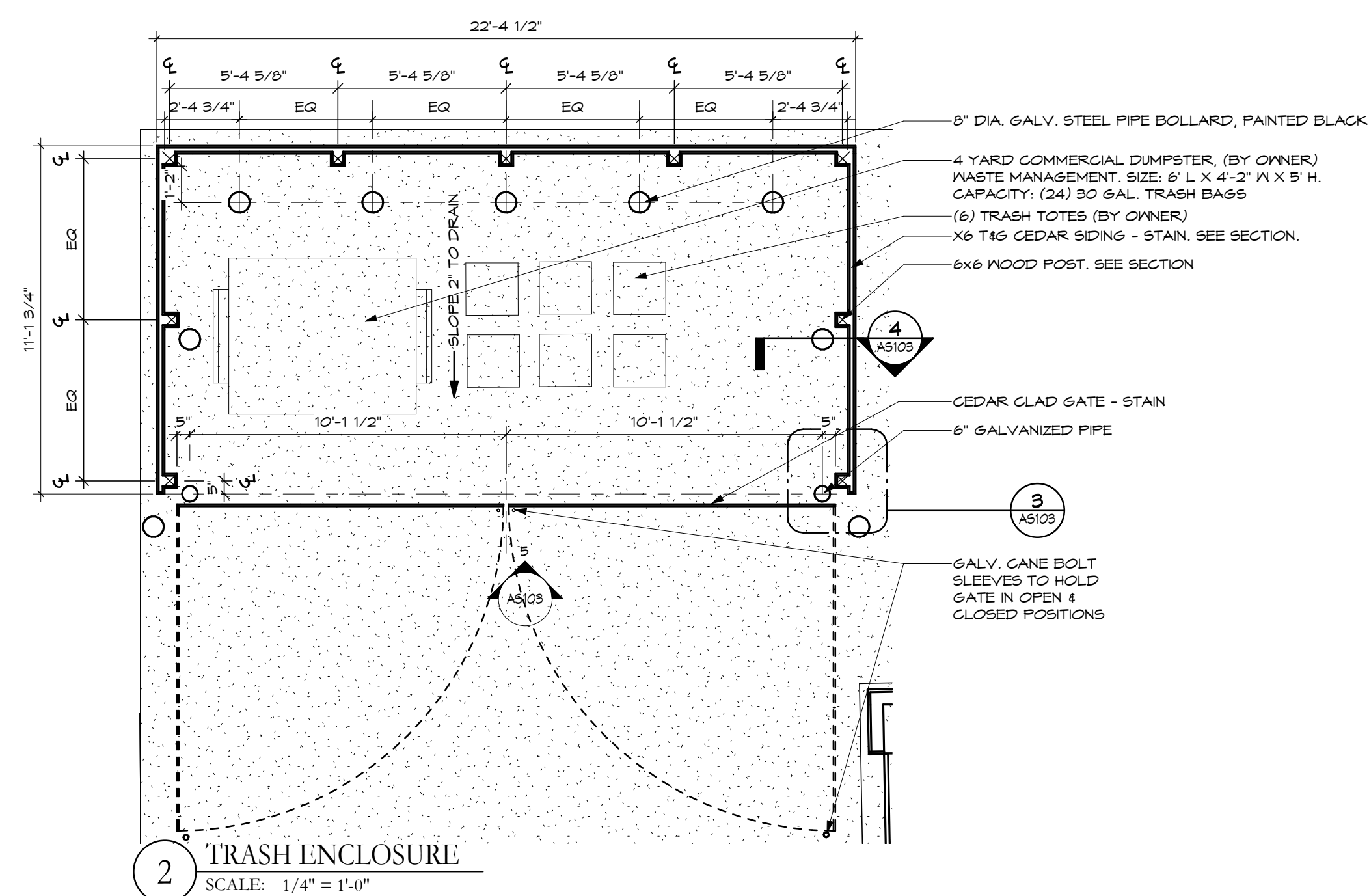
PLAN



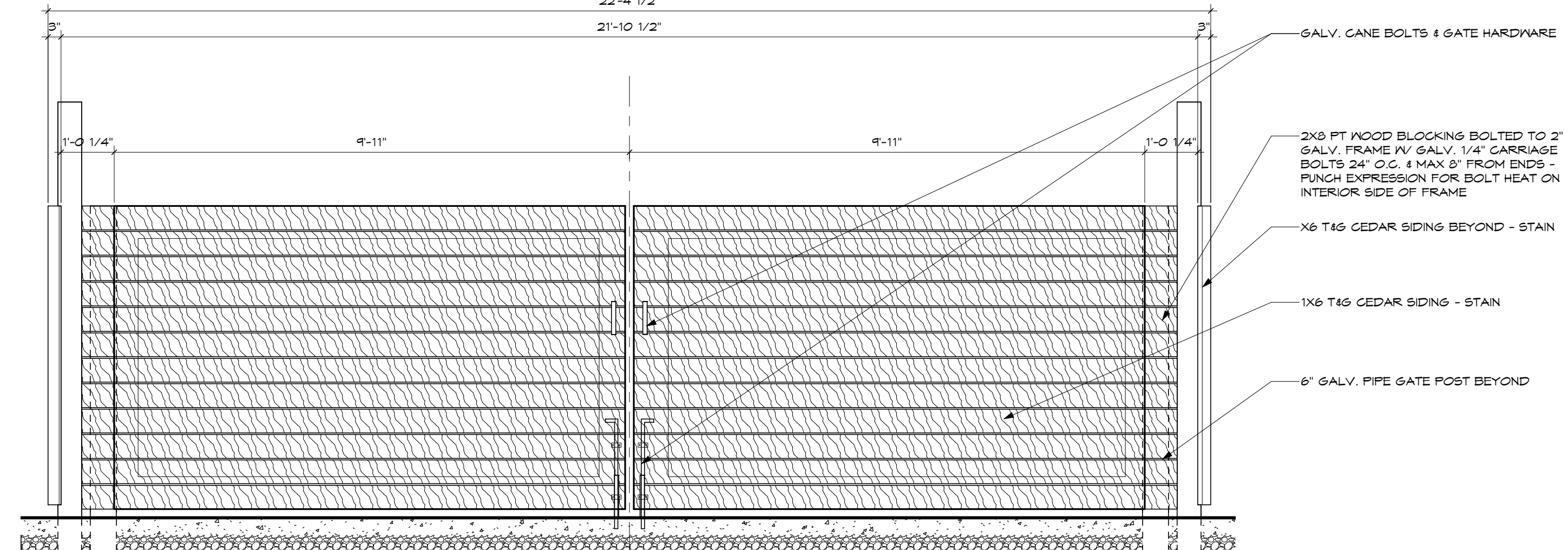
4 TRASH ENCLOSURE WALL SECTION
SCALE: 1/2" = 1'-0"



3 TRASH ENCLOSURE GATE HINGE
SCALE: 1 1/2" = 1'-0"



2 TRASH ENCLOSURE
SCALE: 1/4" = 1'-0"



5 TRASH ENCLOSURE GATE ELEVATION
SCALE: 1/2" = 1'-0"

No.	Revisions / Submissions	Date

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City of Centerville
Benham's Grove

Event Center & Site Improvements

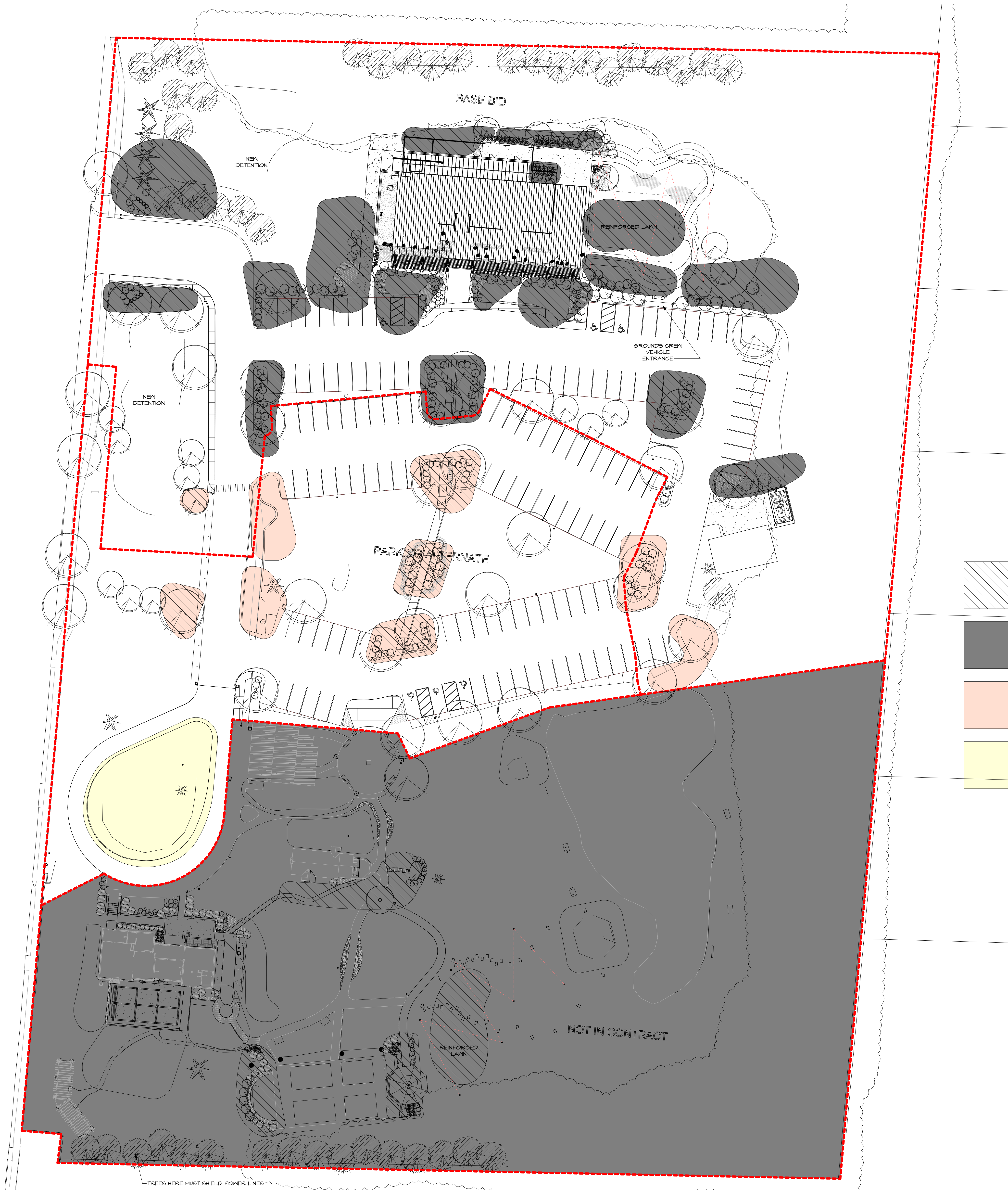
250 N MAIN ST, CENTERVILLE, OH 45459

SITE DETAILS

	Comm. No.	Date
	22627.00	2023-11-21
	Drawn	Drawing No.
	C.L.W.	AS103
Checked	L.L.	
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11/12/2023 4:12:28 PM

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	NEW
	EVENT CENTER
	SERVICE BUILDING
	GERBER HOUSE

1 IRRIGATION ZONE PLAN
SCALE: 1" = 30'-0"

No.	Revisions / Submissions	Date

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Benham's Grove

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250 N MAIN ST, CENTERVILLE, OH 45459

IRRIGATION PLANS

Comm. No.	22627.00	Date	2023-11-21
Drawn	A.H.F.	Drawing No.	AS105
Checked	L.L.		

STATE OF OHIO
JOHN CHARLES FABELO
FABELO
071178
L.L.
JOHN C. FABELO
LICENSE ARC 9711789, EXPIRES: 12/31/25
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3/20/2023 9:28:07 AM

Table with 23 columns and 20 rows (A-T). Contains various construction notes including General Construction Notes, General Grading, Earthwork & Drainage Notes, Sanitary Sewer Notes, Design Team, Architect, Project Summary, Property Information, Sheet Index, General Demolition Notes, General Utility Notes, General Site Notes, and Civil Issue Log.

GENERAL CONSTRUCTION NOTES

- 1. Site/Civil Specifications: All plans, construction, materials, workmanship, and methods shall be in accordance with the current "Rules and Regulations" of City of Centerville and the Ohio Department of Transportation Construction and Material Specifications. When in conflict, the City requirements shall prevail.
2. Prior to the start of construction, the Contractor shall be responsible for ensuring that all required permits and approvals have been obtained.
3. All sediment and erosion control measures, as shown on Sheet C-6.0, shall be in place prior to the start of any demolition, clearing and grubbing, or construction operations.
4. North arrow, existing topography, and property lines based on field survey of the subject property prepared by Burkhardt Engineering in January 2023.
5. Information on existing utilities has been compiled from available information including utility company and municipal records and field survey and is not guaranteed correct and complete.
6. The Contractor shall provide and maintain traffic control devices for protection of vehicles and pedestrians consisting of drums, barriers, signs, lights, fences and uniformed traffic officers as required by Local and State Authorities.
7. The Contractor shall protect all iron pins, monuments and property corners during construction.
8. Any disturbance incurred to any adjacent properties or public right-of-way during demolition and construction shall be restored to its original condition or better, in accordance with and to the satisfaction of Local and State Authorities.
9. The Contractor shall abide by all OSHA, Federal, State, and Local regulations when operating cranes, booms, hoists, etc. in close proximity to overhead electric lines.
10. All material schedules shown on the plans are for general information only.
11. The Contractor shall review all plans prior to construction and immediately report any conflicts and/or discrepancies to the engineer-of-record.
12. All work within public rights-of-way shall be in accordance with the Ohio Department of Transportation rules, specifications, and regulations.

GENERAL DEMOLITION NOTES

- 1. Within the subject property, the intent is to have a clean, clear site, free of all existing items noted to be removed in order to allow for the construction of the new project.
2. All items noted to be removed shall be done as part of the contract for general construction.
3. Remove and dispose of any materials requiring removal from the work area in an approved off-site landfill.
4. The Contractor shall secure all permits for demolition and disposal of demolition material to be removed from the site.
5. The Contractor shall cut and plug, or arrange for the appropriate utility company to cut and plug service piping at the property line or at the main (as required).
6. For all items noted to be removed, remove not only above ground elements, but all underground elements as well, including, but not necessarily limited to: foundations, slabs, gravel fills, tree roots, pipes, wires, unsuitable materials, etc.
7. The Contractor shall sawcut existing pavement to provide a clean edge between existing pavement to remain and existing pavement to be removed.
8. Limits of removal and sawcut lines shown on demolition plan are approximate only.
9. Backfill excavations resulting from demolition work to meet the requirements for fill outlined in the Geotechnical / Soils Report.

GENERAL SITE NOTES

- 1. Building dimensions shown on the Civil Engineering Plans are for reference purposes only.
2. All site and radii dimensions are referenced to the face of curbs or edge of paving unless otherwise noted.
3. All dimensions to the building are referenced to the outside face of the foundation wall.
4. All sidewalks, curb and gutter, street paving, curb cuts, driveway approaches, handicap ramps, etc. constructed outside the property line in the right-of-way shall conform to all Local and/or State specifications and requirements.
5. All proposed handicap ramps, parking areas, and accessible routes shall strictly comply with current Local, State, and Federal regulations, including but not necessarily limited to the ADA Accessibility Guidelines (ADAAG).
6. All ADA accessible routes shall have detectable warnings installed as required by the ADAAG.
7. Contractor shall sawcut existing pavement to provide a clean, straight joint where new pavement meets existing pavement and ensure positive drainage.
8. All concrete pavement shall have joints in accordance with ACI 330R-08, Section 3.7 and Appendix C.
9. Sanitary sewer laterals shall maintain (10' min. horizontal, 1.5' min. vertical) separation distance from water lines unless otherwise shown.

GENERAL GRADING, EARTHWORK & DRAINAGE NOTES

- 1. All spot elevations indicated in pavement areas are at bottom face of curb and/or finished pavement grade unless noted otherwise.
2. The Contractor shall be responsible for the removal and disposal of all vegetation and organic materials from the site that results from clearing & grubbing activities.
3. The Contractor shall be responsible for stripping and removal of all excess topsoil from the site.
4. The Contractor will be responsible for all safety requirements and for the protection of all existing and proposed utilities or structures during earthwork procedures.
5. The Contractor shall be responsible for the import of structural fill materials if suitable material is not available on site.
6. The Contractor shall provide construction dewatering as necessary to complete construction as outlined in plans.
7. The Contractor shall exercise extreme care in establishing all grades and slopes in pavement areas, ramps and sidewalks in the vicinity of handicap parking and access areas and shall comply with Federal, State, and Local Codes.
8. In areas where sheet drainage flows from grass or landscape areas onto paved areas, the finished grade in grass or landscape areas shall be 1/2 inch above the top of curb or above the pavement in areas without curb.
9. The Contractor shall provide positive drainage in all areas and away from all buildings.
10. All pavement shall be laid on a straight, even, and uniform grade with a minimum of 1:100 (1.0%) slope toward the collection points unless otherwise specified on plans.
11. ADA accessible areas shall not exceed the following slopes: Ramps - 1:12 (8.3%) max. Routes - 1:20 (5.0%) max. Parking - 1:50 (2.0%) max. Cross Slopes - 1:50 (2.0%) max.
12. The Contractor shall adjust tops/limits/grates of all cleanouts, manholes, inlets, valves, etc. to match final grade.
13. Following grading of subsoil to subgrade elevations, the Contractor shall provide 4" of topsoil (minimum) in all disturbed areas which are not to be paved.
14. The Contractor shall be responsible for determining exact quantities of cut and/or fill for estimating and construction and should alert the Engineer of any excessive cut and/or fill, especially if additional cut and/or fill will be required due to poor existing soil conditions discovered during earthwork operations.
15. Refer to the Architectural and Structural Plans for information regarding any perimeter foundation drains.
16. The Contractor shall obtain a copy of the Geotechnical / Soils Report and become thoroughly familiar with site and subgrade information and fully implement recommendations given therein.
17. The Contractor shall provide geotextile weed mat under all landscape mulch/stone and rip-rap.
18. If field tiles are encountered, notify Engineer, field tiles will likely need to be replaced and connected to storm sewer system.
19. Proposed spot elevations are provided in a truncated form to save space, add 900' to each spot elevation to convert the elevation to NAVD88 datum.

GENERAL UTILITY NOTES:

- 1. All utilities shown are approximate locations only and have been compiled from the latest available mapping.
2. Contractor to coordinate with the local utility companies for all locations and connections.
3. The Contractor shall visit the site and verify the location, elevation, and condition of all existing utilities by various means prior to beginning any excavation.
4. The Contractor shall ensure that all utility companies and local standards for materials and construction methods are met.
5. This plan details pipes up to 5' from the building face.
6. All valve boxes and curb boxes shall be adjusted to the final grades and located in grassed areas unless indicated otherwise on the plans.
7. The Contractor shall provide traffic bearing concrete collars and lids for all cleanouts, manholes, inlets, valves, etc.
8. All existing pavement within the rights-of-way where utility piping is to be installed shall be saw cut and replaced or directionally bored in accordance with Local and/or State requirements.
9. All utility lines and trenches shall be installed, bedded and backfilled according to manufacturer's specifications and to the satisfaction of Local and State Authorities.
10. Sanitary sewer laterals shall maintain (10' min. horizontal, 1.5' min. vertical) separation distance from water lines unless otherwise shown.
11. Roof drains, foundation drains, and other clean water connections to the sanitary sewer system are prohibited.

SANITARY SEWER NOTES:

Contractor to provide 6" (min.) sanitary sewer service line from building to public sewer main. Install tap, manholes, cleanouts and other appurtenances as required by the local utility provider. Coordinate building connection with plumbing plans.
All sanitary sewer pipe shall be P.V.C. SDR 35, ASTM D-3034 with joints conforming to ASTM 3212. All pipe shall be installed in accordance with the manufacturer's recommended procedures and shall maintain a minimum slope of 1.00%.
Sanitary sewer clean-outs shall be installed at all sewer pipe bends, angles, and junctions, unless a manhole is indicated.
Contractor to confirm sanitary inverts shown on this plan (as they exit the building) match what is provided on the Plumbing Plans, notify engineers of any conflicts.
Sanitary sewer service connection, permit and construction to be coordinated with Montgomery County Environmental Services.
WATER NOTES: Contractor to provide fire and domestic water service from public water main to building.
Contractor to provide 2" domestic water service line from public water main to building.

Contractor to provide 2" domestic water service line from public water main to building. Install tap, meter, backflow preventer, and other appurtenances as required by Montgomery County Environmental Services. Coordinate building connection with Plumbing Plans.

Domestic water service lines shall be Type "K" Copper, or approved equivalent, installed per manufacturer's recommended procedures. Lines shall be installed with a minimum cover of 42" or below frost line, whichever is greater.

Water service connection, meter, permit and construction to be coordinated with Montgomery County Environmental Services.

STORM SEWER NOTES:

All storm sewer shall be reinforced concrete pipe (RCP, ASTM C76 - Class III, minimum) or high-density polyethylene pipe (ADS N-12 WT, watertight, or equivalent), unless otherwise noted on plans. All pipe shall be installed according to manufacturer's specifications.

Contractor to provide downspout collection system to connect building downspouts / roof drains to storm sewer system. See architectural plans for downspout locations.

Downspout collection pipe (DCP) may be HDPE (ADS N-12 WT, watertight, or equivalent) or Schedule 40 PVC pipe. All downspout collector pipes to be at 1.00% minimum slope. All pipe shall be installed according to Local, State, and manufacturer's specifications.

All catch basins installed in sump areas to have finger drains as detailed on Sheet C-5.0

Half-height headwalls to be ODOT HW 2.1 or equivalent. Provide 5'W x 6'L ODOT Type C rip-rap at each headwall.

Contractor to provide steps, as required by ODOT and OSHA, in all catch basins and manholes.

Storm sewer connection, permit and construction to be coordinated with the City of Centerville.

GAS NOTES:

Coordinate gas service lines, meter, and connections with Plumbing and Mechanical Plans and local utility provider. Contractor shall verify both location and availability of service prior to the start of construction.

ELECTRIC NOTES:

Coordinate electric service lines, transformer, meter, and connections with Electrical Plans and local utility provider. Contractor shall verify both location and availability of service prior to the start of construction.

Coordinate site lighting, signage wiring, conduit locations, connections, etc. with electrical plans. Notify Engineers of any potential conflicts.

TELECOM NOTES:

Coordinate telecommunication service lines and connections with electrical plans and local utility provider. Contractor shall verify both location and availability of service prior to the start of construction.

DESIGN TEAM

CIVIL ENGINEER / CONSULTANT
Burkhardt Engineering
Contact: Jonathan Burkhardt
Phone: 937.388.0060
Email: jburkhardt@burkhardtinc.com

ARCHITECT

LWC Incorporated
Contact: John Fabelo
Phone: 937.223.6500
Email: jfabelo@lwcinspires.com

PROJECT SUMMARY

Project will include the demolition and removal of utilities, vegetation, pavement, etc. as necessary to construct the Benham's Grove Event Center and its associated pavement, parking facilities, utilities, landscaping, signage and any other proposed improvements which are needed to service the facility.

PROPERTY INFORMATION

Address: 166 N. Main Street, Centerville, Ohio
Area: 8.59 acres
Zoning: APD - Architectural Preservation District
Flood Zone Designation: FIRM # 39113C0268E, effective date: January 6, 2005.
Zone "X" : Areas determined to be outside the 0.2% annual chance floodplain.

SHEET INDEX

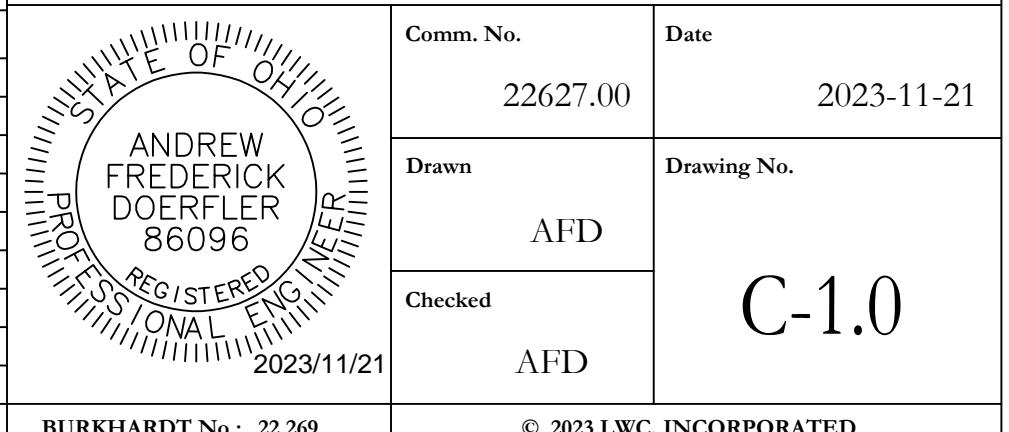
- C-1.0 : General Notes
C-1.1 : Existing Conditions & Demolition Plan
C-2.0 : Site Plan
C-3.0 : Grading Plan
C-4.0 : Utility Plan
C-5.0 : Details
C-5.1 : County Details
C-6.0 : Storm Water Pollution Prevention Plan
C-6.1 : Storm Water Pollution Prevention Plan Details
C-7.0 : Storm Water Management Plan

Note: Architectural, Structural, Mechanical, Electrical and Plumbing Plans in separate set.

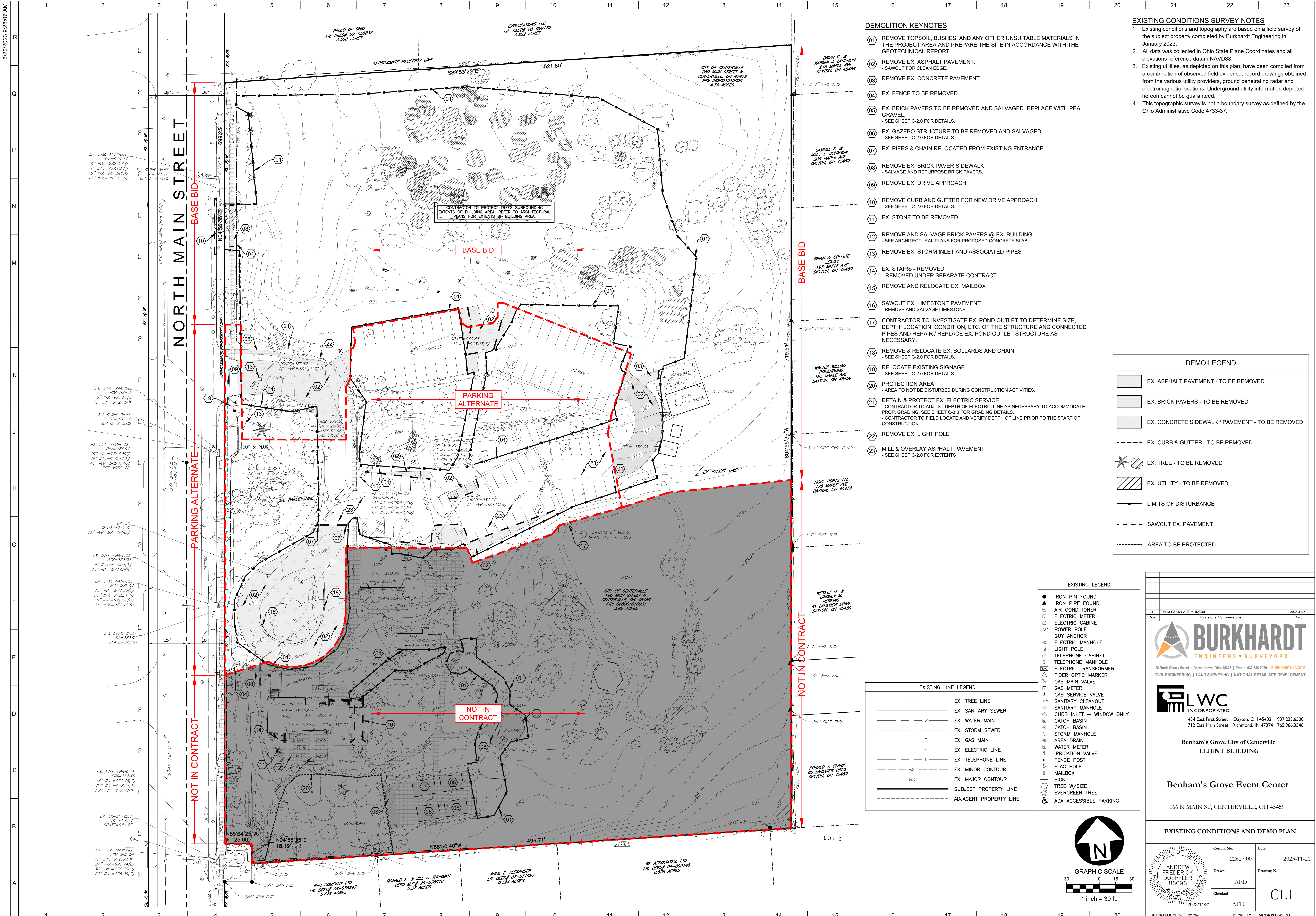
Project information block containing logos for Burkhardt Engineers & Surveyors and LWC Incorporated, project name 'Benham's Grove City of Centerville CLIENT BUILDING' and 'Benham's Grove Event Center', address '166 N MAIN ST, CENTERVILLE, OH 45459', and a table for 'GENERAL NOTES' and 'CIVIL ISSUE LOG'.

Table with 2 columns: Description, Date. Contains one entry: Event Center & Site ReBid, 11.21.2023.

Table with 4 columns: Comm. No., Date, Drawn, Drawing No., Checked. Contains entry: 22627.00, 2023-11-21, AFD, C-1.0.

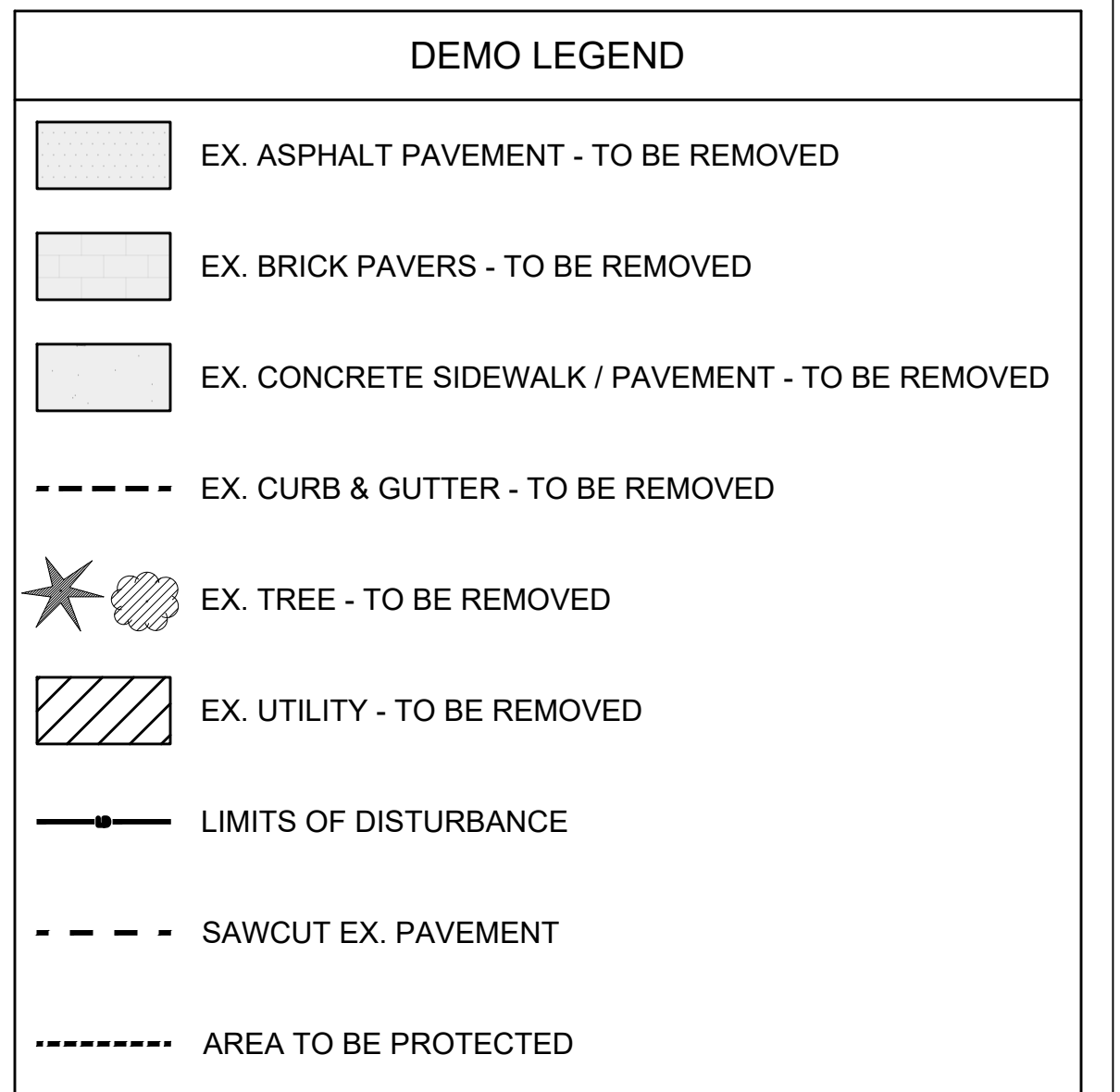


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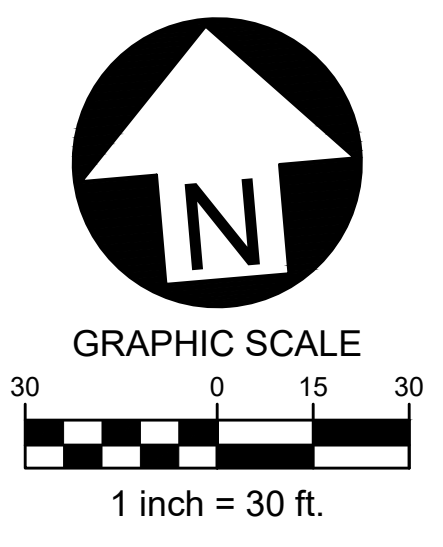
- ### DEMOLITION KEYNOTES
- 01 REMOVE TOPSOIL, BUSHES, AND ANY OTHER UNSUITABLE MATERIALS IN THE PROJECT AREA AND PREPARE THE SITE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT.
 - 02 REMOVE EX. ASPHALT PAVEMENT. - SAWCUT FOR CLEAN EDGE.
 - 03 REMOVE EX. CONCRETE PAVEMENT.
 - 04 EX. FENCE TO BE REMOVED
 - 05 EX. BRICK PAVERS TO BE REMOVED AND SALVAGED. REPLACE WITH PEA GRAVEL. - SEE SHEET C-2.0 FOR DETAILS.
 - 06 EX. GAZEBO STRUCTURE TO BE REMOVED AND SALVAGED. - SEE SHEET C-2.0 FOR DETAILS.
 - 07 EX. PIERS & CHAIN RELOCATED FROM EXISTING ENTRANCE.
 - 08 REMOVE EX. BRICK PAVER SIDEWALK - SALVAGE AND REPURPOSE BRICK PAVERS.
 - 09 REMOVE EX. DRIVE APPROACH
 - 10 REMOVE CURB AND GUTTER FOR NEW DRIVE APPROACH - SEE SHEET C-2.0 FOR DETAILS.
 - 11 EX. STONE TO BE REMOVED.
 - 12 REMOVE AND SALVAGE BRICK PAVERS @ EX. BUILDING - SEE ARCHITECTURAL PLANS FOR PROPOSED CONCRETE SLAB
 - 13 REMOVE EX. STORM INLET AND ASSOCIATED PIPES
 - 14 EX. STAIRS - REMOVED - REMOVED UNDER SEPARATE CONTRACT.
 - 15 REMOVE AND RELOCATE EX. MAILBOX
 - 16 SAWCUT EX. LIMESTONE PAVEMENT - REMOVE AND SALVAGE LIMESTONE
 - 17 CONTRACTOR TO INVESTIGATE EX. POND OUTLET TO DETERMINE SIZE, DEPTH, LOCATION, CONDITION, ETC. OF THE STRUCTURE AND CONNECTED PIPES AND REPAIR / REPLACE EX. POND OUTLET STRUCTURE AS NECESSARY.
 - 18 REMOVE & RELOCATE EX. BOLLARDS AND CHAIN - SEE SHEET C-2.0 FOR DETAILS.
 - 19 RELOCATE EXISTING SIGNAGE - SEE SHEET C-2.0 FOR DETAILS.
 - 20 PROTECTION AREA - AREA TO NOT BE DISTURBED DURING CONSTRUCTION ACTIVITIES.
 - 21 RETAIN & PROTECT EX. ELECTRIC SERVICE - CONTRACTOR TO ADJUST DEPTH OF ELECTRIC LINE AS NECESSARY TO ACCOMMODATE PROP. GRADING. SEE SHEET C-3.0 FOR GRADING DETAILS. - CONTRACTOR TO FIELD LOCATE AND VERIFY DEPTH OF LINE PRIOR TO THE START OF CONSTRUCTION.
 - 22 REMOVE EX. LIGHT POLE
 - 23 MILL & OVERLAY ASPHALT PAVEMENT - SEE SHEET C-2.0 FOR EXTENTS

- ### EXISTING CONDITIONS SURVEY NOTES
1. Existing conditions and topography are based on a field survey of the subject property completed by Burkhardt Engineering in January 2023.
 2. All data was collected in Ohio State Plane Coordinates and all elevations reference datum NAVD88.
 3. Existing utilities, as depicted on this plan, have been compiled from a combination of observed field evidence, record drawings obtained from the various utility providers, ground penetrating radar and electromagnetic locations. Underground utility information depicted hereon cannot be guaranteed.
 4. This topographic survey is not a boundary survey as defined by the Ohio Administrative Code 4733-37.



- ### EXISTING LEGEND
- IRON PIN FOUND
 - ▲ AIR PIPE FOUND
 - AIR CONDITIONER
 - ELECTRIC METER
 - ELECTRIC CABINET
 - POWER POLE
 - GUY ANCHOR
 - ELECTRIC MANHOLE
 - LIGHT POLE
 - TELEPHONE CABINET
 - TELEPHONE MANHOLE
 - ELECTRIC TRANSFORMER
 - FIBER OPTIC MARKER
 - GAS MAIN VALVE
 - GAS METER
 - GAS SERVICE VALVE
 - SANITARY CLEANOUT
 - SANITARY MANHOLE
 - CURB INLET - WINDOW ONLY
 - CATCH BASIN
 - CATCH BASIN
 - STORM MANHOLE
 - AREA DRAIN
 - WATER METER
 - IRRIGATION VALVE
 - FENCE POST
 - FLAG POLE
 - MAILBOX
 - SIGN
 - TREE W/SIZE
 - EVERGREEN TREE
 - ADA ACCESSIBLE PARKING

- ### EXISTING LINE LEGEND
- EX. TREE LINE
 - EX. SANITARY SEWER
 - EX. WATER MAIN
 - EX. STORM SEWER
 - EX. GAS MAIN
 - EX. ELECTRIC LINE
 - EX. TELEPHONE LINE
 - EX. MINOR CONTOUR
 - EX. MAJOR CONTOUR
 - SUBJECT PROPERTY LINE
 - ADJACENT PROPERTY LINE



1	Event Center & Site ReBid	2023-11-21
No.	Revisions / Submissions	Date

28 North Cherry Street | Germantown, Ohio 45327 | Phone: 937-388-0080 | BURKHARDTINC.COM
 CIVIL ENGINEERING | LAND SURVEYING | NATIONAL RETAIL SITE DEVELOPMENT

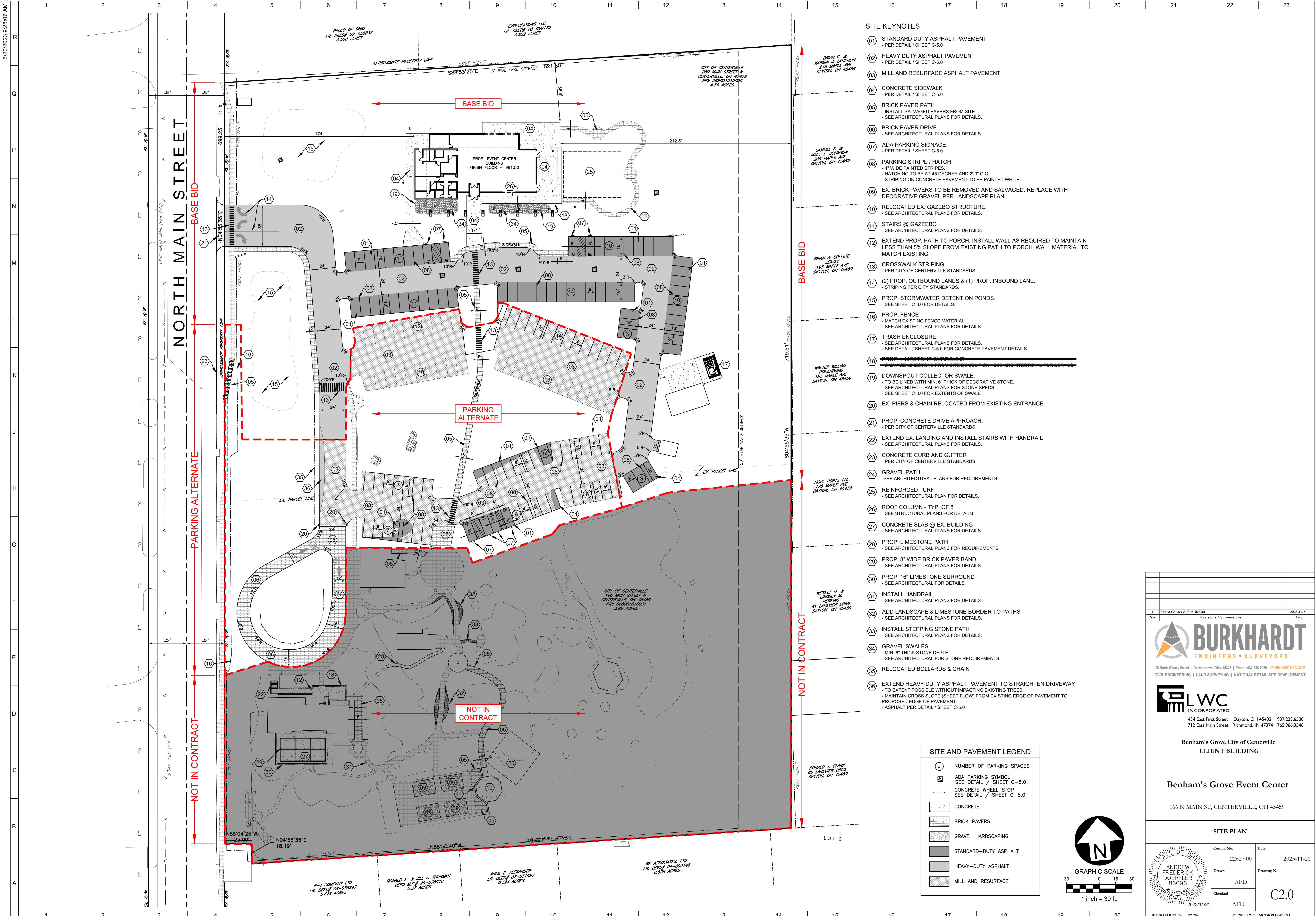
434 East First Street Dayton, OH 45402 937.223.6500
 712 East Main Street Richmond, IN 47374 765.966.3546

Benham's Grove City of Centerville
 CLIENT BUILDING

Benham's Grove Event Center
 166 N MAIN ST, CENTERVILLE, OH 45459

EXISTING CONDITIONS AND DEMO PLAN	
Comm. No.	Date
22627.00	2023-11-21
Drawn	Drawing No.
AFD	C1.1
Checked	
AFD	

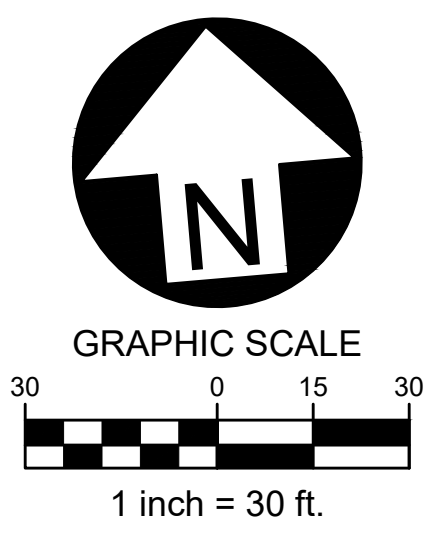
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- ### SITE KEYNOTES
- 01 STANDARD DUTY ASPHALT PAVEMENT
- PER DETAIL / SHEET C-5.0
 - 02 HEAVY DUTY ASPHALT PAVEMENT
- PER DETAIL / SHEET C-5.0
 - 03 MILL AND RESURFACE ASPHALT PAVEMENT
 - 04 CONCRETE SIDEWALK
- PER DETAIL / SHEET C-5.0
 - 05 BRICK PAVER PATH
- INSTALL SALVAGED PAVERS FROM SITE.
- SEE ARCHITECTURAL PLANS FOR DETAILS.
 - 06 BRICK PAVER DRIVE
- SEE ARCHITECTURAL PLANS FOR DETAILS.
 - 07 ADA PARKING SIGNAGE
- PER DETAIL / SHEET C-5.0
 - 08 PARKING STRIPE / HATCH
- 4" WIDE PAINTED STRIPES.
- HATCHING TO BE AT 45 DEGREE AND 2'-0" O.C.
- STRIPING ON CONCRETE PAVEMENT TO BE PAINTED WHITE.
 - 09 EX. BRICK PAVERS TO BE REMOVED AND SALVAGED. REPLACE WITH DECORATIVE GRAVEL PER LANDSCAPE PLAN.
 - 10 RELOCATED EX. GAZEBO STRUCTURE.
- SEE ARCHITECTURAL PLANS FOR DETAILS.
 - 11 STAIRS @ GAZEBO
- SEE ARCHITECTURAL PLANS FOR DETAILS.
 - 12 EXTEND PROP. PATH TO PORCH. INSTALL WALL AS REQUIRED TO MAINTAIN LESS THAN 5% SLOPE FROM EXISTING PATH TO PORCH. WALL MATERIAL TO MATCH EXISTING.
 - 13 CROSSWALK STRIPING
- PER CITY OF CENTERVILLE STANDARDS
 - 14 (2) PROP. OUTBOUND LANES & (1) PROP. INBOUND LANE.
- STRIPING PER CITY STANDARDS.
 - 15 PROP. STORMWATER DETENTION PONDS.
- SEE SHEET C-3.0 FOR DETAILS.
 - 16 PROP. FENCE
- MATCH EXISTING FENCE MATERIAL.
- SEE ARCHITECTURAL PLANS FOR DETAILS
 - 17 TRASH ENCLOSURE.
- SEE ARCHITECTURAL PLANS FOR DETAILS
- SEE DETAIL / SHEET C-5.0 FOR CONCRETE PAVEMENT DETAILS
 - 18 PROP. LIMESTONE SURROUND
 - 19 DOWNSPOUT COLLECTOR SWALE.
- TO BE LINED WITH MIN. 6" THICK OF DECORATIVE STONE.
- SEE ARCHITECTURAL PLANS FOR STONE SPECS.
- SEE SHEET C-3.0 FOR EXTENTS OF SWALE
 - 20 EX. PIERS & CHAIN RELOCATED FROM EXISTING ENTRANCE.
 - 21 PROP. CONCRETE DRIVE APPROACH.
- PER CITY OF CENTERVILLE STANDARDS
 - 22 EXTEND EX. LANDING AND INSTALL STAIRS WITH HANDRAIL
- SEE ARCHITECTURAL PLANS FOR DETAILS.
 - 23 CONCRETE CURB AND GUTTER
- PER CITY OF CENTERVILLE STANDARDS
 - 24 GRAVEL PATH
- SEE ARCHITECTURAL PLANS FOR REQUIREMENTS
 - 25 REINFORCED TURF
- SEE ARCHITECTURAL PLAN FOR DETAILS.
 - 26 ROOF COLUMN - TYP. OF 8
- SEE STRUCTURAL PLANS FOR DETAILS
 - 27 CONCRETE SLAB @ EX. BUILDING
- SEE ARCHITECTURAL PLANS FOR DETAILS.
 - 28 PROP. LIMESTONE PATH
- SEE ARCHITECTURAL PLANS FOR REQUIREMENTS
 - 29 PROP. 8" WIDE BRICK PAVER BAND
- SEE ARCHITECTURAL PLANS FOR DETAILS.
 - 30 PROP. 16" LIMESTONE SURROUND
- SEE ARCHITECTURAL FOR DETAILS.
 - 31 INSTALL HANDRAIL
- SEE ARCHITECTURAL PLANS FOR DETAILS.
 - 32 ADD LANDSCAPE & LIMESTONE BORDER TO PATHS
- SEE ARCHITECTURAL PLANS FOR DETAILS.
 - 33 INSTALL STEPPING STONE PATH
- SEE ARCHITECTURAL PLANS FOR DETAILS.
 - 34 GRAVEL SWALES
- MIN. 6" THICK STONE DEPTH
- SEE ARCHITECTURAL FOR STONE REQUIREMENTS
 - 35 RELOCATED BOLLARDS & CHAIN
 - 36 EXTEND HEAVY DUTY ASPHALT PAVEMENT TO STRAIGHTEN DRIVEWAY
- TO EXTENT POSSIBLE WITHOUT IMPACTING EXISTING TREES.
- MAINTAIN CROSS SLOPE (SHEET FLOW) FROM EXISTING EDGE OF PAVEMENT TO PROPOSED EDGE OF PAVEMENT.
- ASPHALT PER DETAIL / SHEET C-5.0

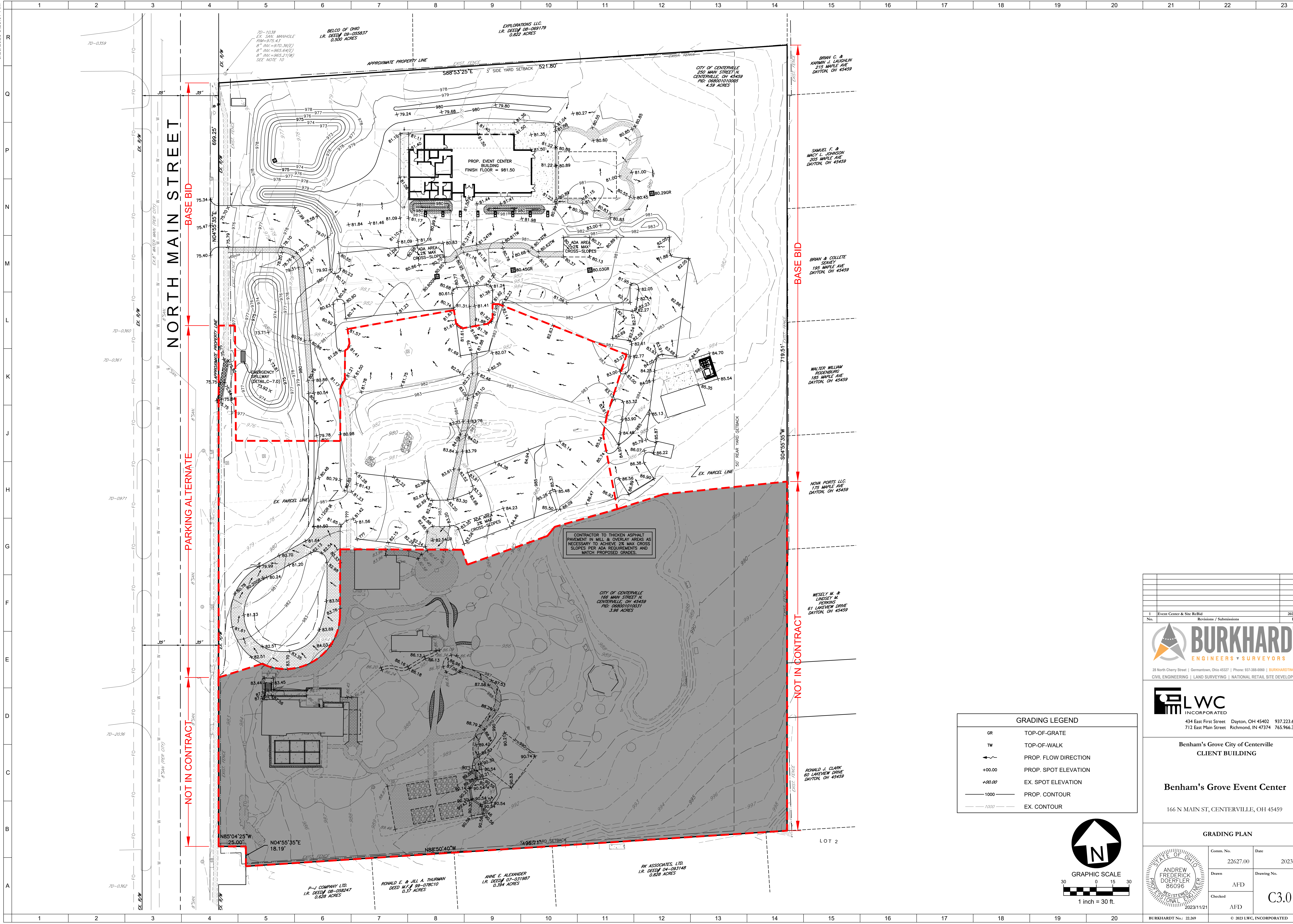
SITE AND PAVEMENT LEGEND

	NUMBER OF PARKING SPACES
	ADA PARKING SYMBOL SEE DETAIL / SHEET C-5.0
	CONCRETE WHEEL STOP SEE DETAIL / SHEET C-5.0
	CONCRETE
	BRICK PAVERS
	GRAVEL HARDSCAPING
	STANDARD-DUTY ASPHALT
	HEAVY-DUTY ASPHALT
	MILL AND RESURFACE

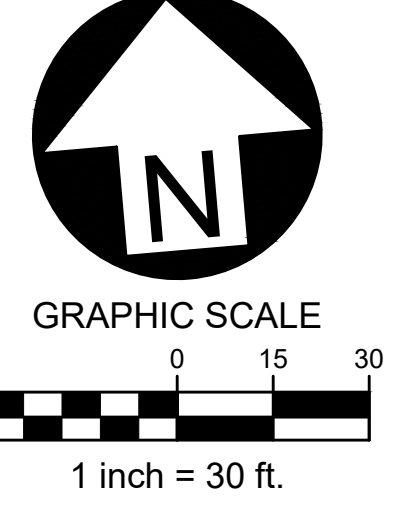


 28 North Cherry Street Germantown, Ohio 45327 Phone: 937-388-0060 BURKHARDTINC.COM CIVIL ENGINEERING LAND SURVEYING NATIONAL RETAIL SITE DEVELOPMENT	
 434 East First Street Dayton, OH 45402 937.223.6500 712 East Main Street Richmond, IN 47374 765.966.3546	
Benham's Grove City of Centerville CLIENT BUILDING	
Benham's Grove Event Center 166 N MAIN ST, CENTERVILLE, OH 45459	
SITE PLAN	
Comm. No.	Date
22627.00	2023-11-21
Drawn	Drawing No.
AFD	C2.0
Checked	
AFD	
BURKHARDT No.: 22.269 © 2023 LWC, INCORPORATED	

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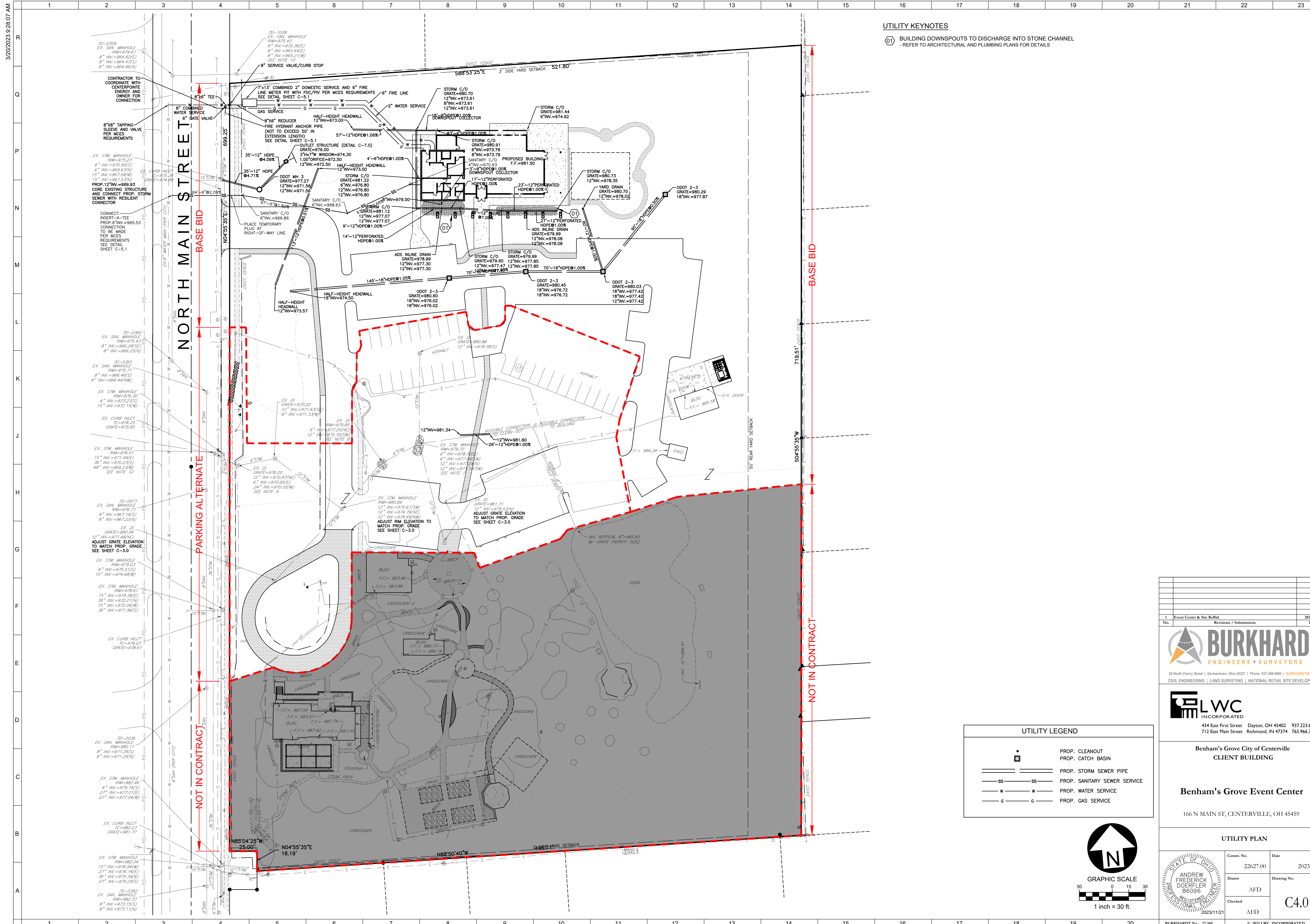


GRADING LEGEND	
GR	TOP-OF-GRATE
TW	TOP-OF-WALK
	PROP. FLOW DIRECTION
+00.00	PROP. SPOT ELEVATION
+02.00	EX. SPOT ELEVATION
— 1000 —	PROP. CONTOUR
— 1000 —	EX. CONTOUR



1 Event Center & Site ReBid		2023-11-21
No.	Revisions / Submissions	Date
 28 North Cherry Street Germantown, Ohio 45327 Phone: 937-388-0060 BURKHARDTINC.COM CIVIL ENGINEERING LAND SURVEYING NATIONAL RETAIL SITE DEVELOPMENT		
 434 East First Street Dayton, OH 45402 937.223.6500 712 East Main Street Richmond, IN 47374 765.966.3546		
Benham's Grove City of Centerville CLIENT BUILDING		
Benham's Grove Event Center 166 N MAIN ST, CENTERVILLE, OH 45459		
GRADING PLAN		
Comm. No.	Date	
22627.00	2023-11-21	
Drawn	Drawing No.	
AFD	C3.0	
Checked		
AFD		
BURKHARDT No.: 22369	© 2023 LWC, INCORPORATED	

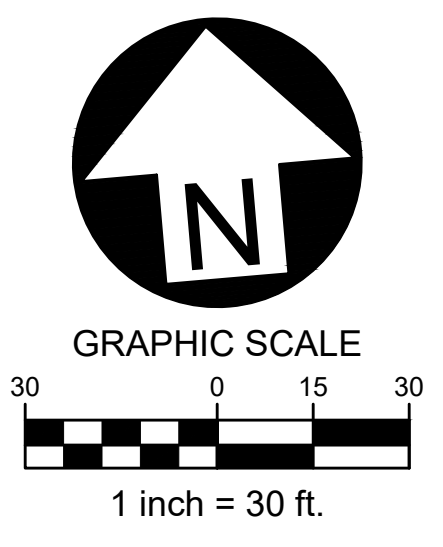
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UTILITY KEYNOTES

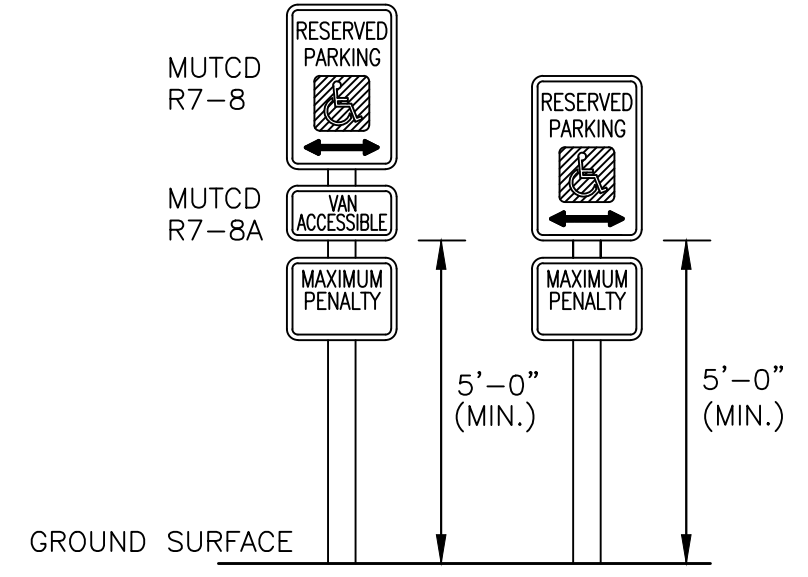
- 01 BUILDING DOWNSPOUTS TO DISCHARGE INTO STONE CHANNEL
- REFER TO ARCHITECTURAL AND PLUMBING PLANS FOR DETAILS

UTILITY LEGEND	
	PROP. CLEANOUT
	PROP. CATCH BASIN
	PROP. STORM SEWER PIPE
	PROP. SANITARY SEWER SERVICE
	PROP. WATER SERVICE
	PROP. GAS SERVICE



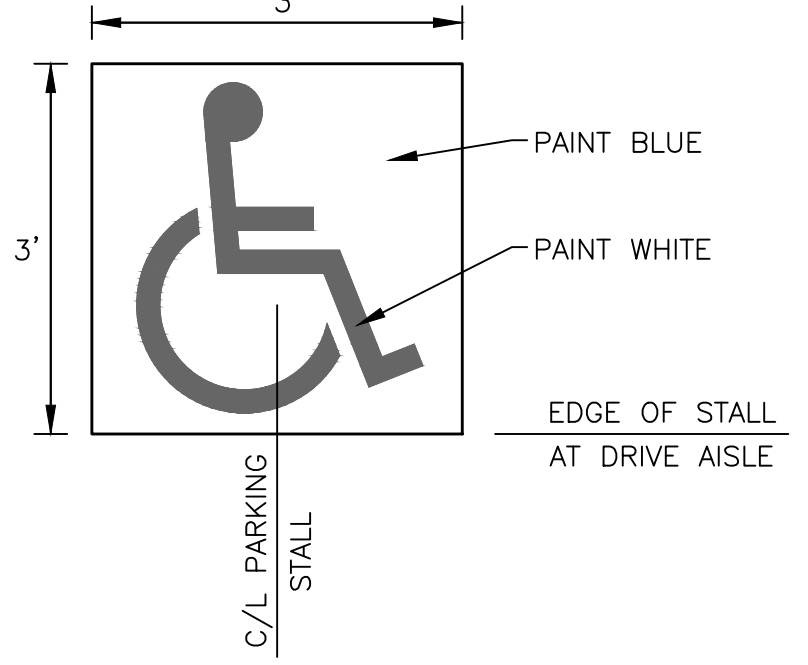
1 Event Center & Site ReBid		2023-11-21
No.	Revisions / Submissions	Date
 28 North Cherry Street Germantown, Ohio 45327 Phone: 537-388-0060 BURKHARDTINC.COM CIVIL ENGINEERING LAND SURVEYING NATIONAL RETAIL SITE DEVELOPMENT		
 434 East First Street Dayton, OH 45402 937.223.6500 712 East Main Street Richmond, IN 47374 765.966.3546		
Benham's Grove City of Centerville CLIENT BUILDING Benham's Grove Event Center 166 N MAIN ST, CENTERVILLE, OH 45459		
UTILITY PLAN		
Comm. No.	Date	2023-11-21
22627.00		
Drawn	AFD	
Checked	AFD	C4.0
BURKHARDT No.: 22369		© 2023 LWC, INCORPORATED

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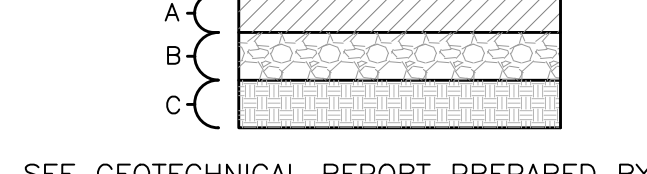
NOTES:
1. MAXIMUM PENALTY SHOULD BE STATED PER LOCAL AUTHORITY.
2. SIGNS TO BE MOUNTED ON FACE OF BUILDING IF POSSIBLE.
3. IF POST MOUNTED, POST SHOULD BE PAINTED TO MATCH BUILDING.

HANDICAP PARKING SIGNAGE
NOT TO SCALE



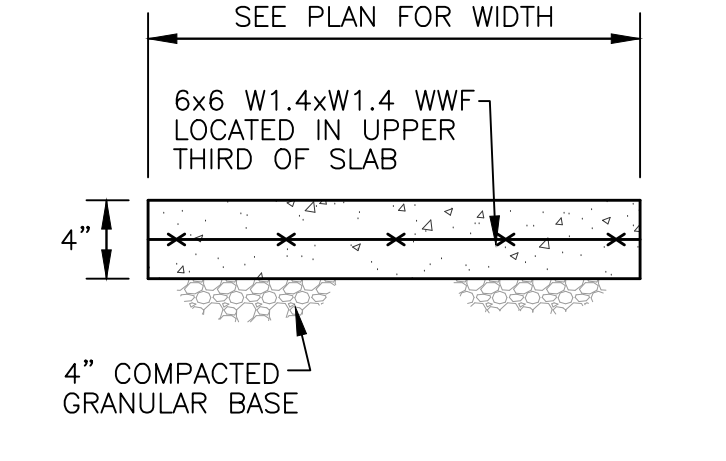
ADA PARKING SYMBOL
NOT TO SCALE

KEY
A - 6" PORTLAND CEMENT CONCRETE (3500 PSI) REINFORCED WITH MIN #4 REBARS @ 12 IN. ON CENTER IN EACH DIRECTION, LOCATED IN THE UPPER THIRD OF THE SLAB.
B - 4" CRUSHED AGGREGATE BASE
C - 9" COMPACTED SUBGRADE SEE GEOTECHNICAL REPORT



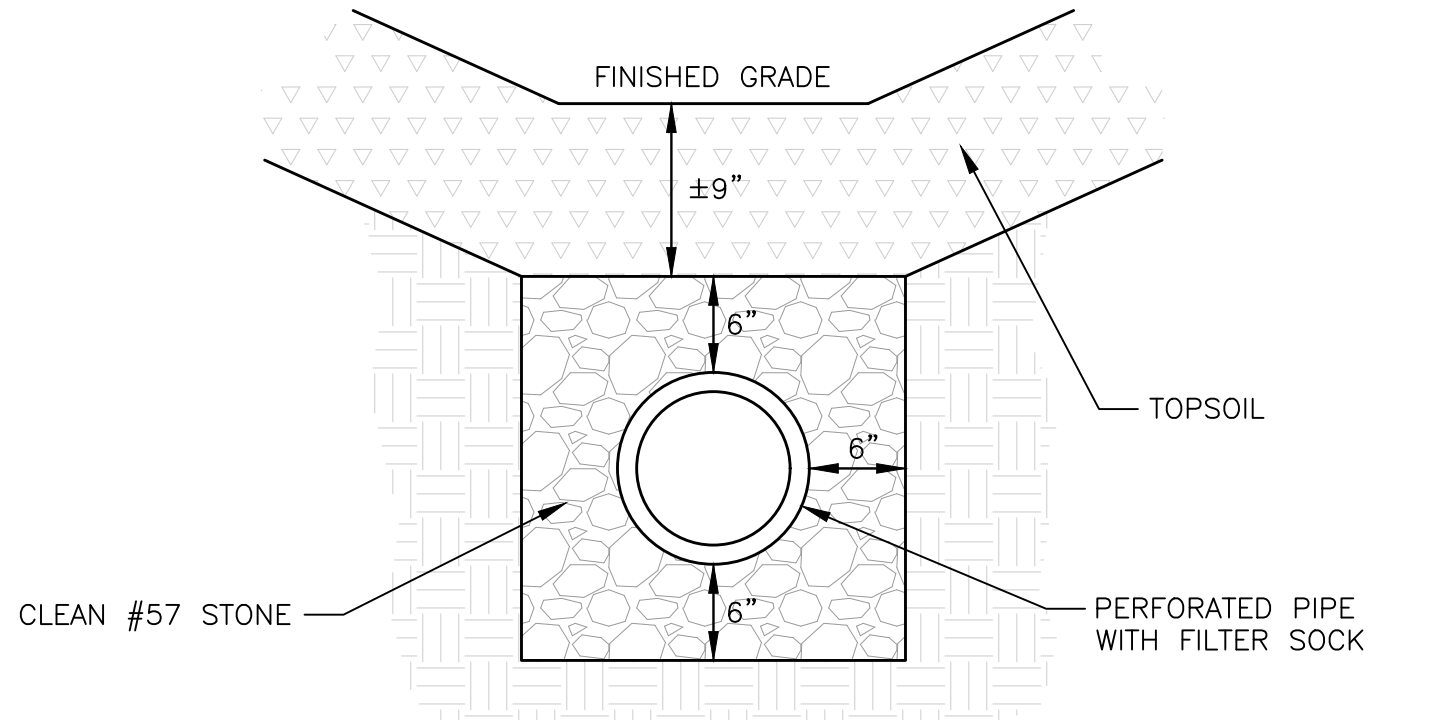
SEE GEOTECHNICAL REPORT PREPARED BY COMPANY DATED MONTH DAY, YEAR FOR ADDITIONAL INFORMATION.

CONCRETE PAVEMENT
NOT TO SCALE

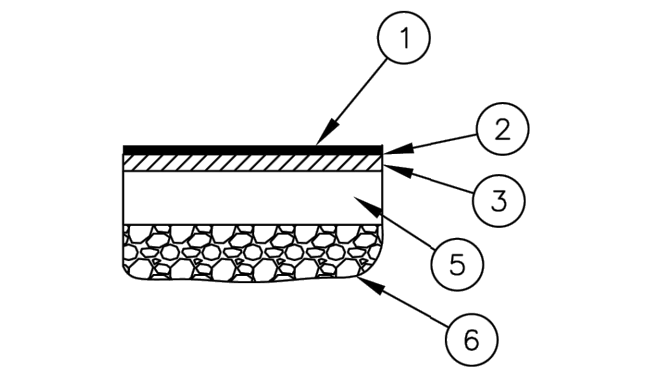


NOTES:
1. SIDEWALK TO BE CONSTRUCTED USING 3500 PSI CONCRETE.
2. SIDEWALK TO HAVE TOOLED CONTROL JOINTS NOT EXCEEDING 5 FT. SPACING IN ANY DIRECTION.
3. PROVIDE THICKENED EDGE / TURN DOWN WHERE SIDEWALK MEETS ASPHALT PAVEMENT.
4. PROVIDE EXPANSION JOINT MATERIAL WHERE SIDEWALK ABUTS SIDEWALK.

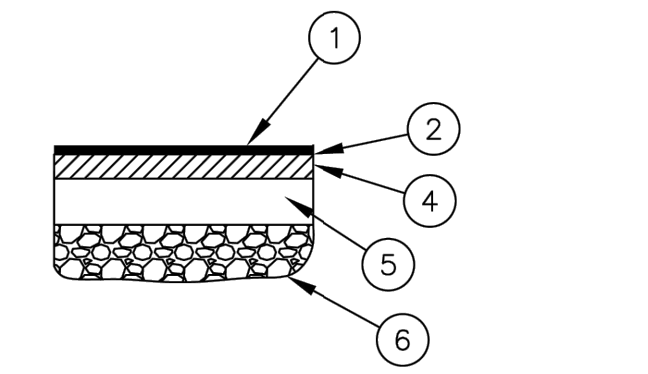
CONCRETE SIDEWALK DETAIL
NOT TO SCALE



UNDERDRAIN DETAIL
NOT TO SCALE



STANDARD-DUTY PARKING LOT PAVEMENT SECTION



HEAVY-DUTY PARKING LOT PAVEMENT SECTION

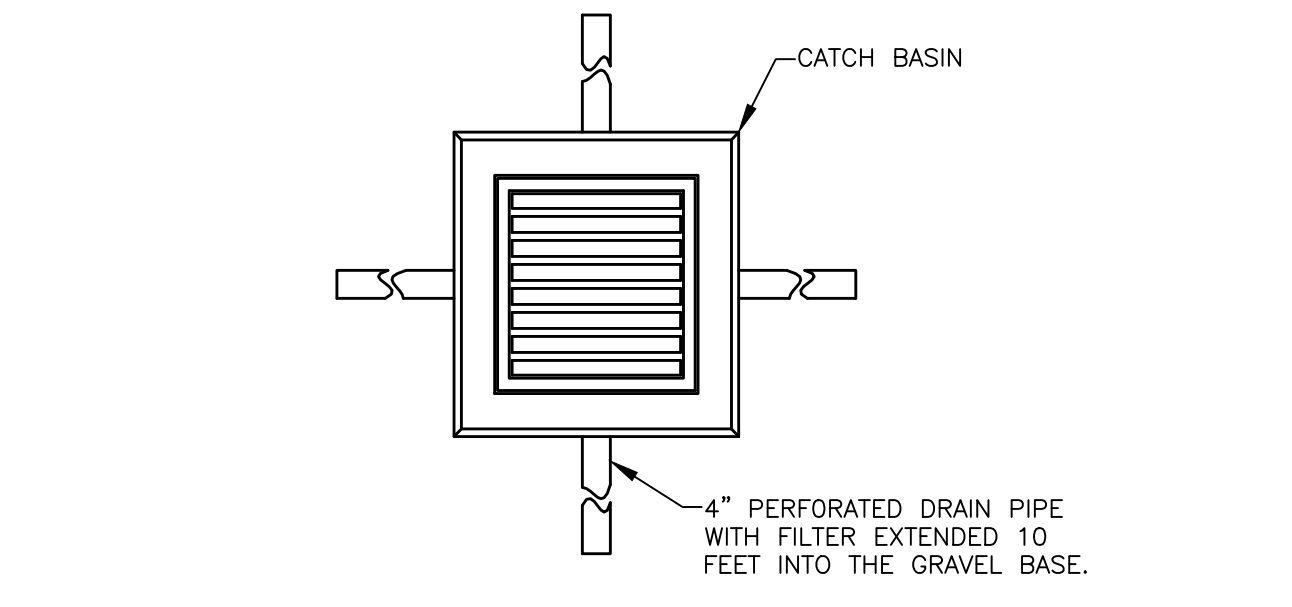
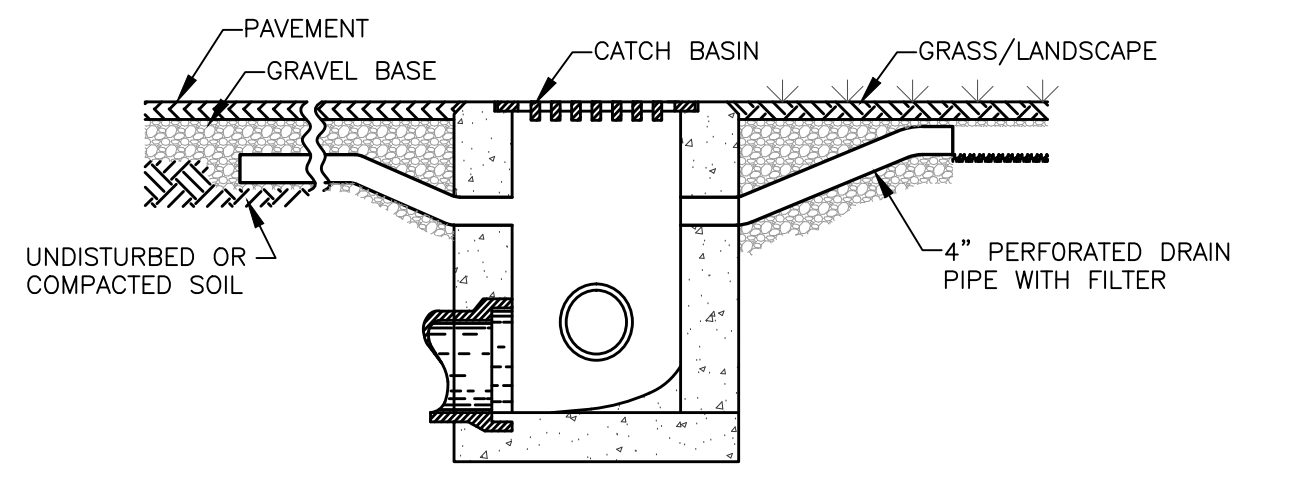
IMPROVEMENT LEGEND

- 1 ODOT ITEM 441 ASPHALT CONCRETE SURFACE COURSE, 1.5" TYPE 1, PG 64-22
- 2 ODOT ITEM 407 NON-TRACKING TACK COAT (0.10/SY)
- 3 ODOT ITEM 441 ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1 (448), 2"
- 4 ODOT ITEM 441 ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1 (448), 3"
- 5 ODOT ITEM 304 AGGREGATE BASE, CRUSHED LIMESTONE, COMPACTED, 6"
- 6 ODOT ITEM 204, COMPACTED SUBGRADE

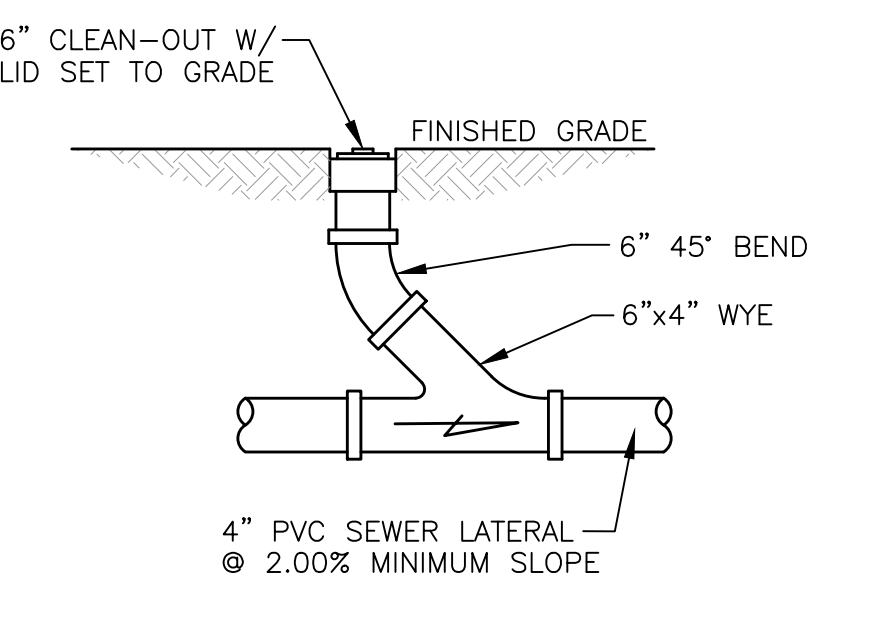
IF POOR SUBGRADE: (AS DIRECTED BY CITY ENGINEER)
ODOT ITEM 203 UNDERCUT, 6"
ODOT ITEM 204 COMPACTED SUBGRADE
ODOT ITEM 304 AGGREGATE BASE, 6"
ODOT ITEM 204 GEOGRID TENSAR TX TYPE 3 OR EQUIVALENT

NOTE: PAVEMENT SECTIONS PER CLIENT DIRECTION

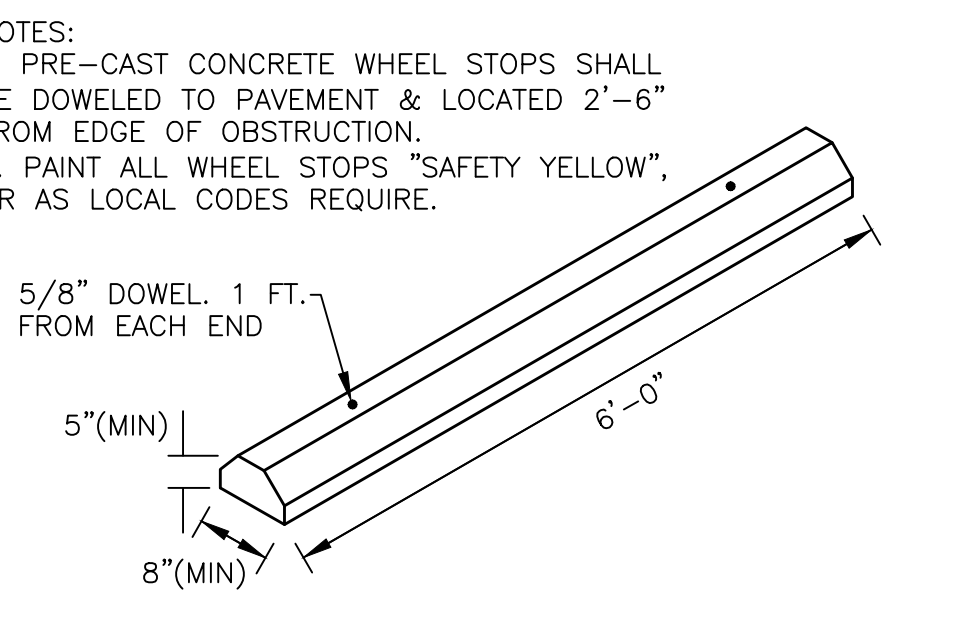
Date: Oct. 2023
Revision: Oct. 2023
Approval: *James Brinegar*
James Brinegar
City Engineer
CITY OF CENTERVILLE, OH
7975 SOUTH SUBURBAN ROAD
CENTERVILLE, OH 45402
PHONE: (614) 422-4762
FAX: (614) 422-0286



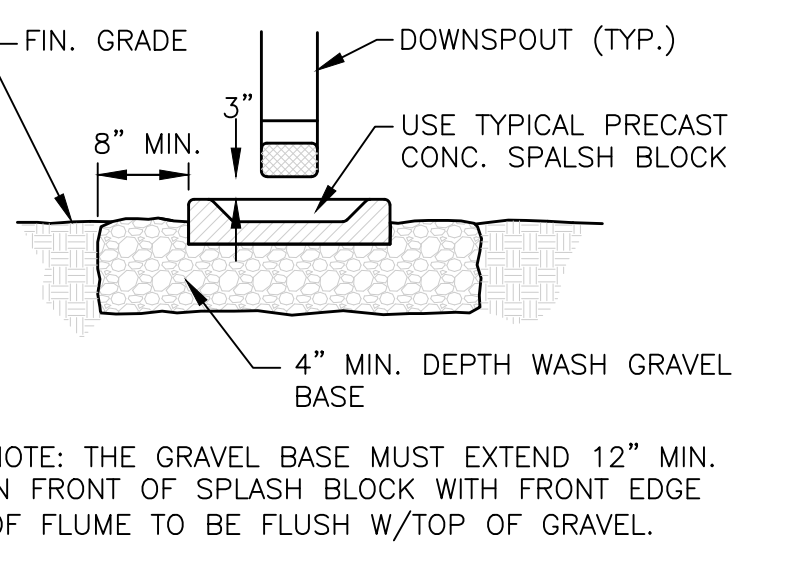
CATCH BASIN FINGER DRAIN DETAIL
NOT TO SCALE



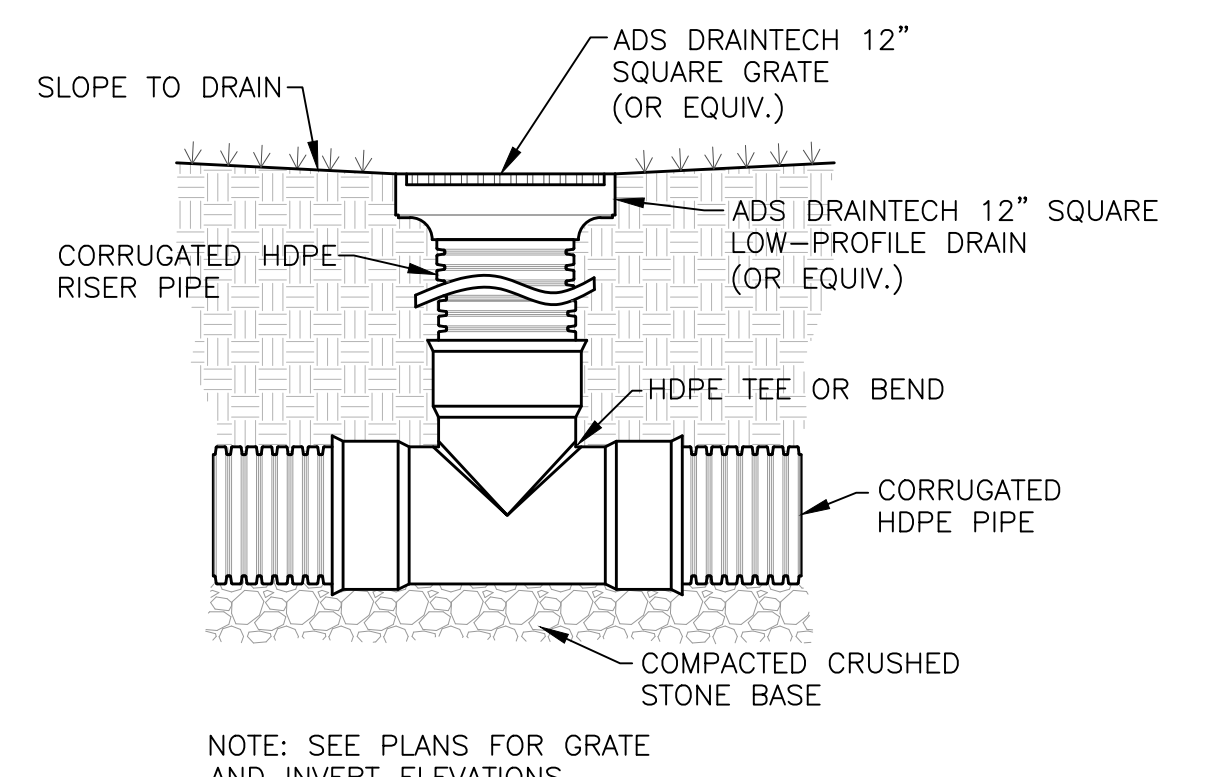
SANITARY CLEAN-OUT DETAIL
NOT TO SCALE



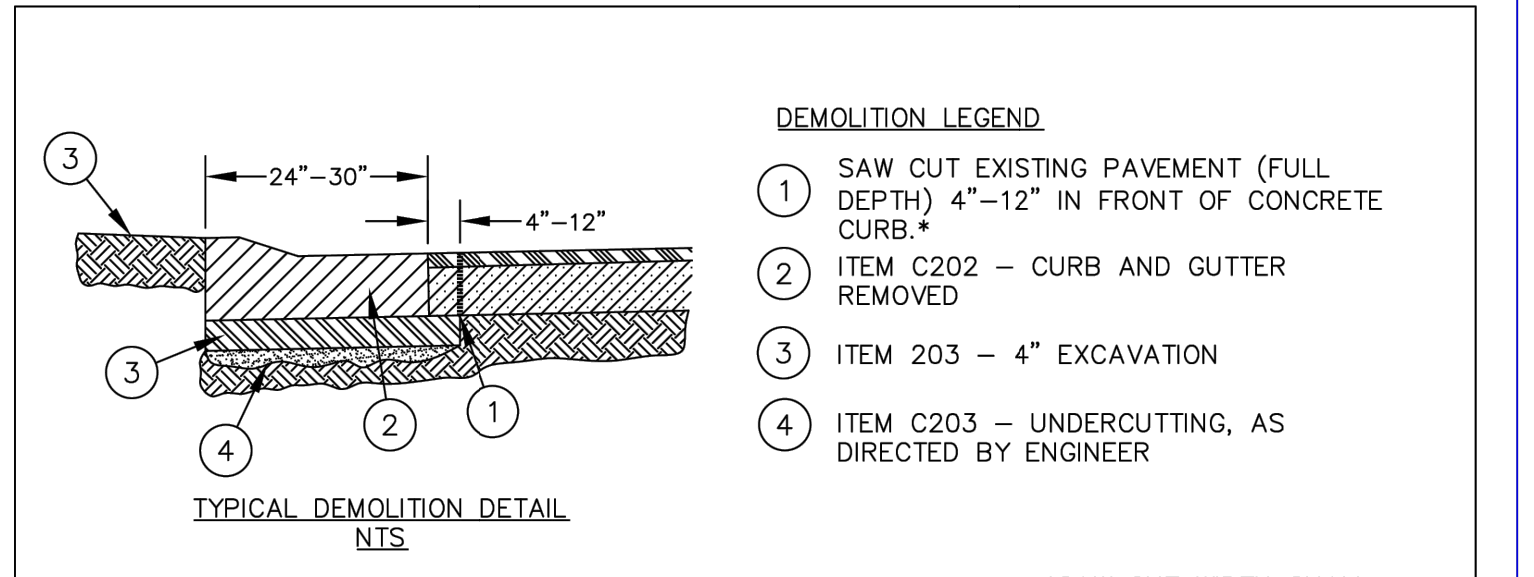
CONCRETE WHEEL STOP DETAIL
NOT TO SCALE



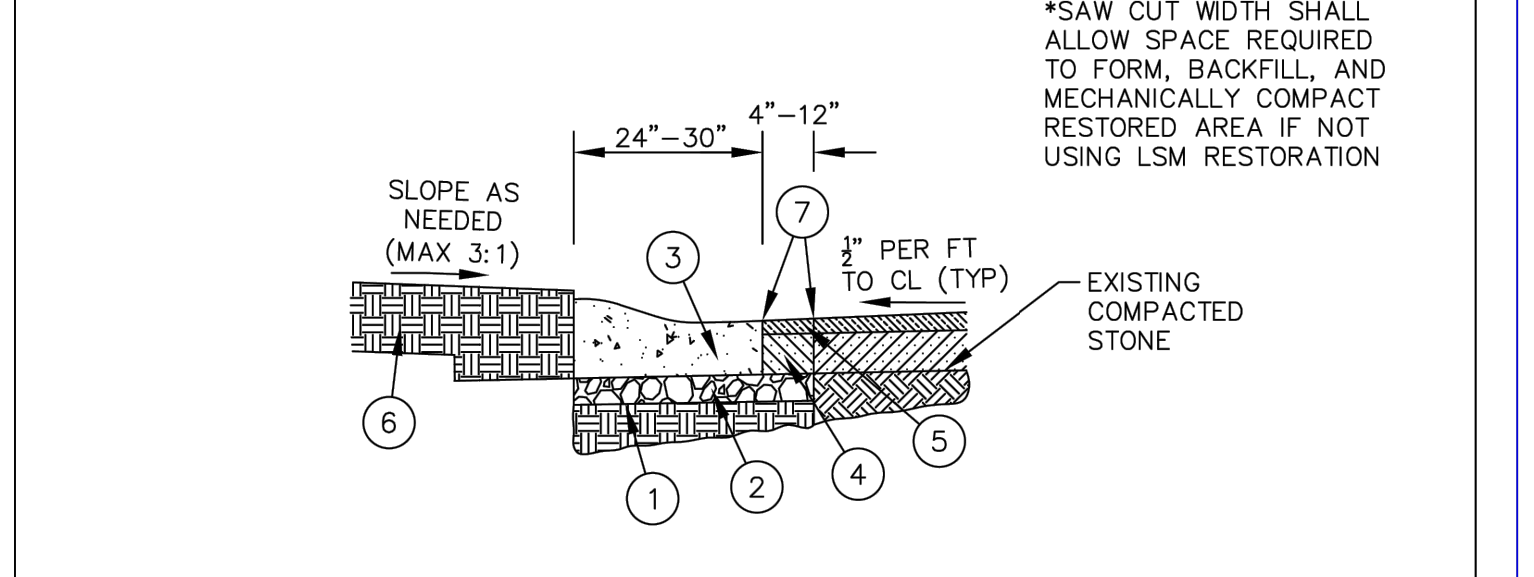
CONCRETE SPLASH BLOCK DETAIL
NOT TO SCALE



YARD DRAIN DETAIL
NOT TO SCALE



- DEMOLITION LEGEND**
- 1 SAW CUT EXISTING PAVEMENT (FULL DEPTH) 4"-12" IN FRONT OF CONCRETE CURB.
 - 2 ITEM C202 - CURB AND GUTTER REMOVED
 - 3 ITEM 203 - 4" EXCAVATION
 - 4 ITEM C203 - UNDERCUTTING, AS DIRECTED BY ENGINEER



- IMPROVEMENT LEGEND**
- 1 ITEM 204 - SUBGRADE COMPACTION
 - 2 ITEM 304 - AGGREGATE BASE, 4" MIN
 - 3 ITEM C609 - CURB, MATCH EXISTING TYPE
 - 4 ITEM 613 - LOW STRENGTH MORTAR BACKFILL 100 PSI, 2" BELOW SURFACE
 - 5 ITEM C441 - TYPE 1 ASPHALT CONCRETE SURFACE COURSE (448), MEDIUM TRAFFIC, PG64-22, 2" THICK, PLACED IN 2 LIFTS, OR AS SPECIFIED BY ENGINEER
 - 6 ITEM 653 - 6-8" OF TOPSOIL FURNISHED AND PLACED TO 1" ABOVE CURB
 - 7 ITEM C659 - SEEDING AND MULCHING

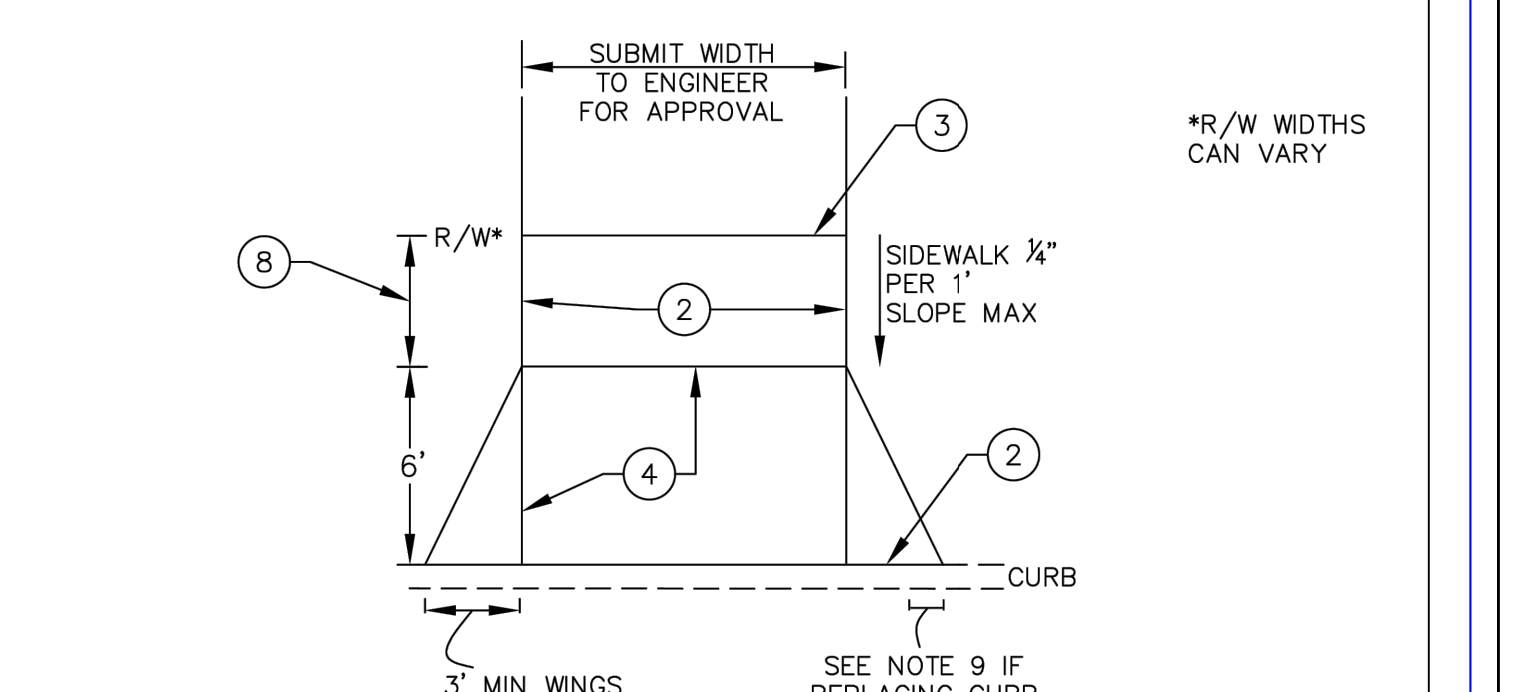
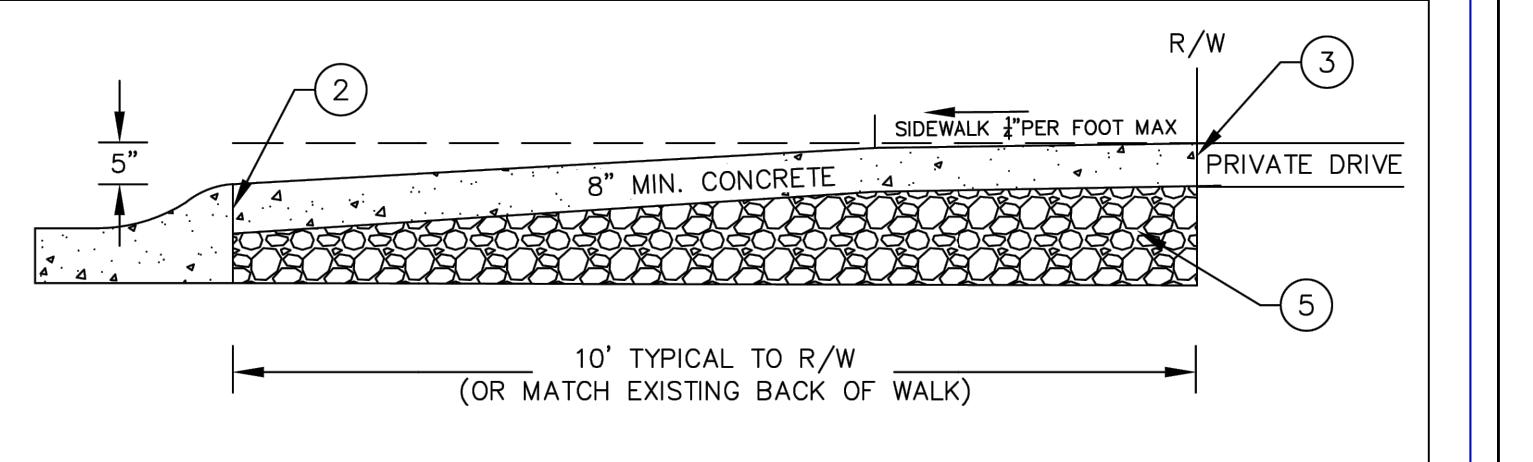
CITY OF CENTERVILLE, OH
PUBLIC WORKS DEPARTMENT
7975 SOUTH SUBURBAN ROAD
CENTERVILLE, OH 45402
PHONE: (614) 422-4762
FAX: (614) 422-0286

C202 & C609 - CURB REPLACEMENT ON ASPHALT ROADWAY

Approval: *James Brinegar*
James Brinegar
City Engineer

Date: Jan. 2018
Revision: Jan. 2021

SHEET 1



- NOTES:
1. SET ELEVATION AT BACK OF WALK AT 2" PER FOOT ABOVE THE TOP OF STANDARD CURB. A TYPICAL DRIVEWAY AT THE BACK OF WALK WILL BE 5" ABOVE THE TOP OF STANDARD CURB HEIGHT.
2. FULL-DEPTH 6" VINYL EXPANSION MATERIAL 1/2" THICK REQUIRED.
3. 4" VINYL EXPANSION MATERIAL TO MATCH CONCRETE THICKNESS BEHIND RIGHT OF WAY. IF ASPHALT BEHIND RIGHT OF WAY, EXPANSION NOT NEEDED.
4. TOOLED CONTRACTION JOINT - ALL JOINTS SHALL BE 1/2 TOOLED JOINTS WITH LIGHT RETRACE (SAW JOINTS PROHIBITED).
5. ITEM 304 COMPACTED SUBGRADE AND 4" OF AGGREGATE BASE SHALL BE PLACED UNDER DRIVE APPROACH. NO SLAG USE FOR BASE.
6. ALL EXPOSED SURFACES SHALL BE BROOMED AND EDGED. CURING COMPOUND SHALL BE APPLIED ON ALL FINISHED CONCRETE IN R/W PER ITEM 451.11.
7. FOR TREE LAWNS OF LESS THAN 6 FEET IN WIDTH, CALL INSPECTOR PRIOR TO REMOVAL.
8. SIDEWALK CAN VARY IN WIDTH DEPENDING ON EXISTING CONDITIONS (4", 5", 8").
9. NOTE IF REPLACING CURB: CONTACT INSPECTOR PRIOR TO SAWING CURB. TOP OF DEPRESSED CURB SHALL BE 1/2" ABOVE THE FLOW LINE OF CURB. 12" HORIZONTAL TRANSITION FOR DEPRESSED CURB. CURB AND DRIVEWAY SHALL BE POURED SEPARATELY.
10. MUST USE SAW CAPABLE OF FULL-DEPTH CUT THROUGH CURB

CITY OF CENTERVILLE, OH
PUBLIC WORKS DEPARTMENT
7975 SOUTH SUBURBAN ROAD
CENTERVILLE, OH 45402
PHONE: (614) 422-4762
FAX: (614) 422-0286

C452 COMMERCIAL CONCRETE DRIVE APRON

Approval: *James Brinegar*
James Brinegar
City Engineer

Date: Sept. 2020
Revision: Jan. 2021

SHEET 9

1	Event Center & Site ReBid	2023-11-21
No.	Revisions / Submissions	Date

BURKHARDT
ENGINEERS & SURVEYORS
28 North Cherry Street | Germantown, Ohio 45327 | Phone: 537-388-0860 | BURKHARDTINC.COM
CIVIL ENGINEERING | LAND SURVEYING | NATIONAL RETAIL SITE DEVELOPMENT

LWC
INCORPORATED
434 East First Street Dayton, OH 45402 937.223.6500
712 East Main Street Richmond, IN 47374 765.966.3546

Benham's Grove City of Centerville
CLIENT BUILDING

Benham's Grove Event Center
166 N MAIN ST, CENTERVILLE, OH 45459

DETAILS

Comm. No.	Date
22627.00	2023-11-21
Drawn	Drawing No.
AFD	C5.0
Checked	
AFD	

ANDREW FREDERICK DOERFLER 86096 REGISTERED PROFESSIONAL ENGINEER 2023/11/21

15091-30

JANUARY 2019

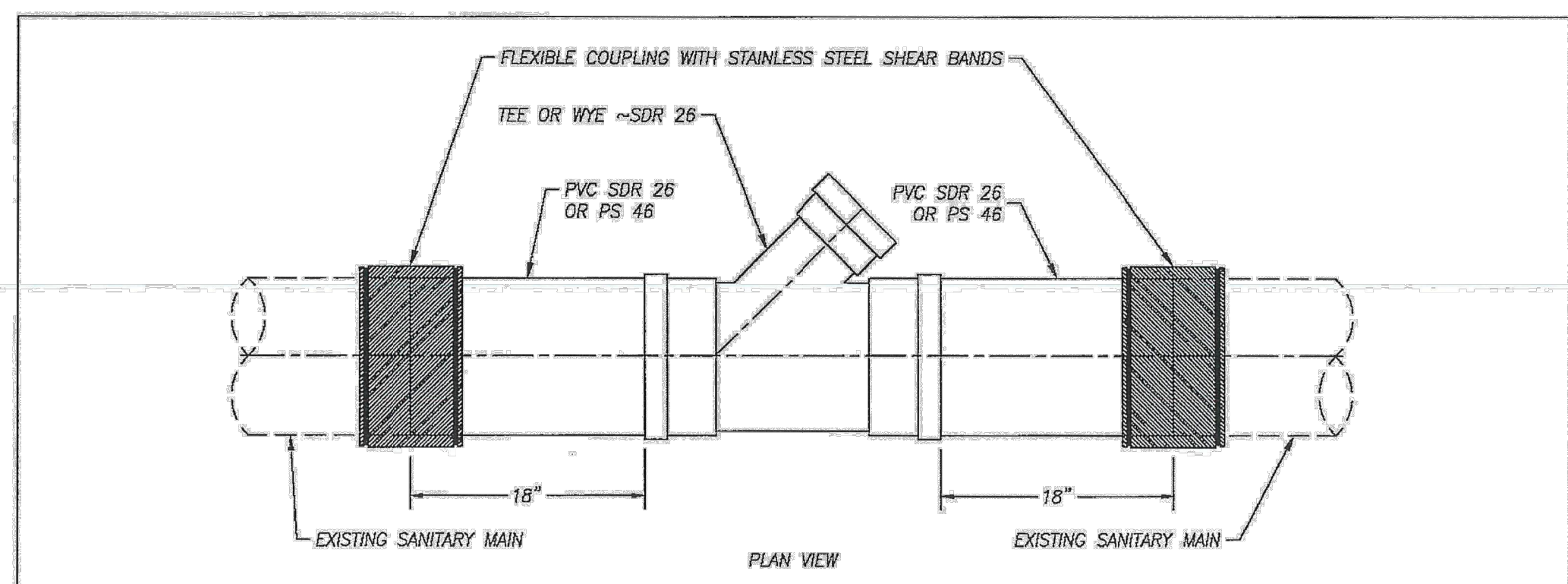


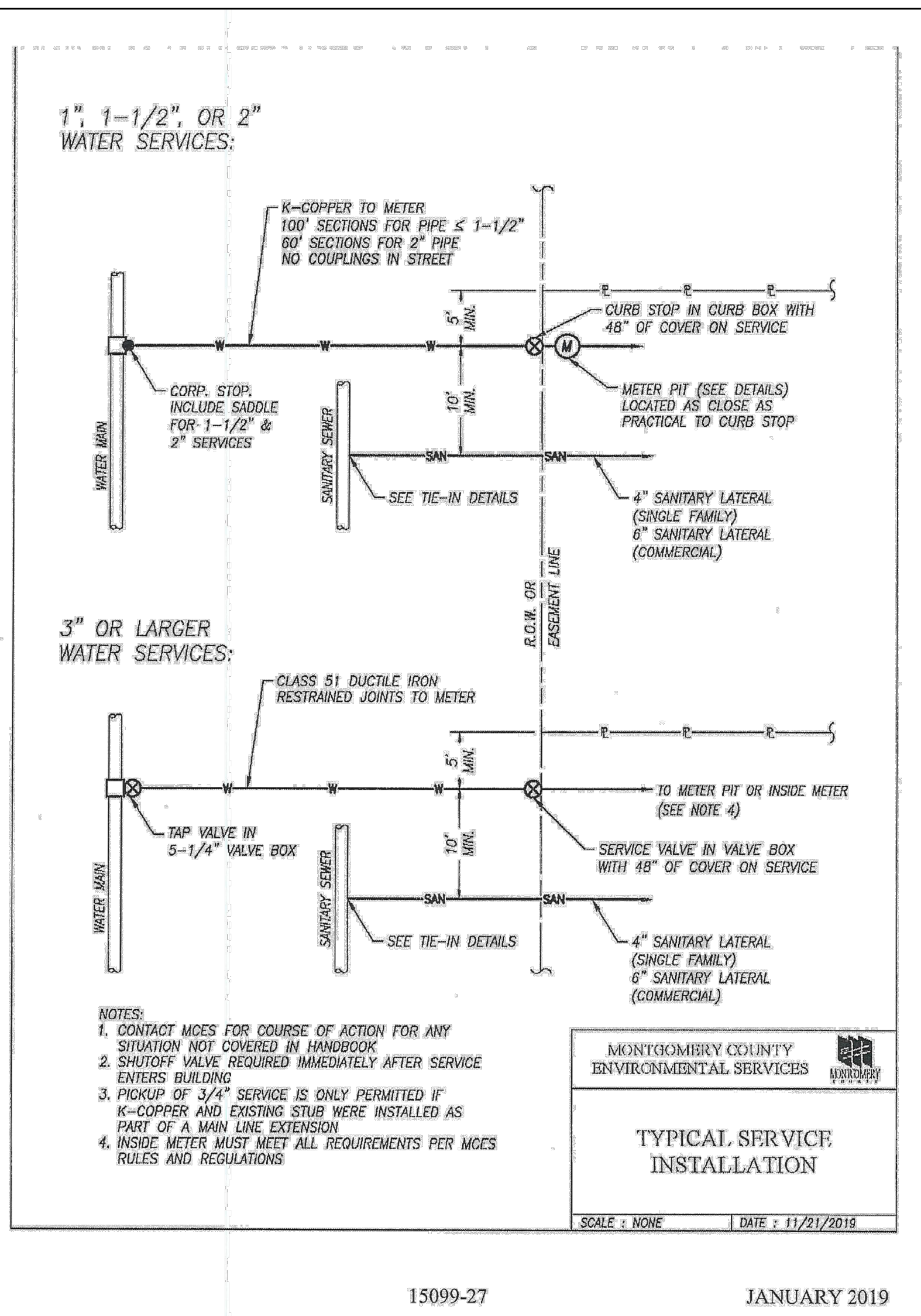
Table with 2 columns: EXISTING MAIN MATERIAL and CONNECTION OPTIONS. Lists materials like Ductile Iron, Vitrified Clay, Reinforced Concrete, and PVC with their respective connection methods.

NOTES: LATERAL MUST BE ROTATED TO THE 10 O'CLOCK OR 2 O'CLOCK POSITION. BEDDING AND BACKFILL SHALL BE ACCORDING TO CURRENT SPECIFICATIONS.

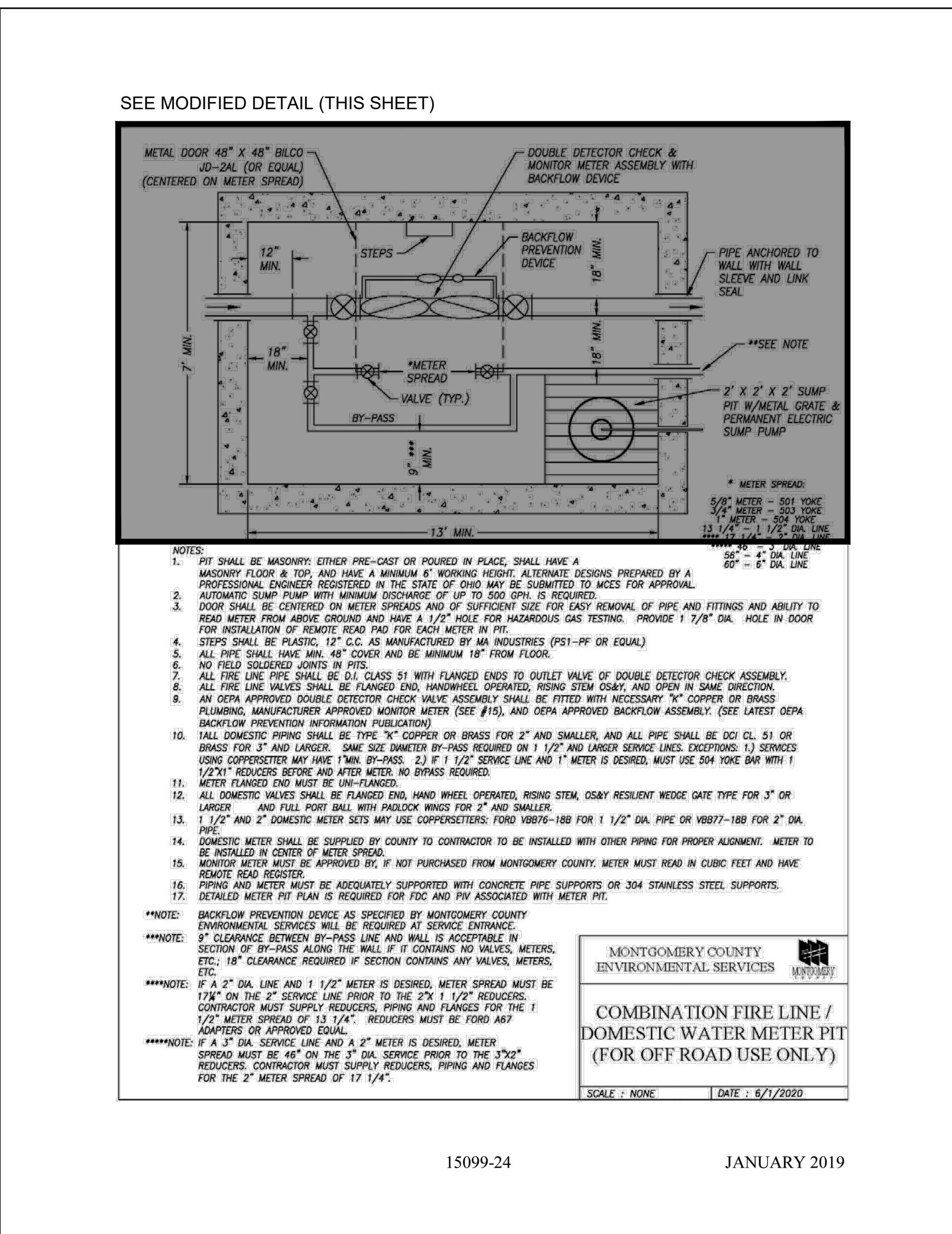
Montgomery County Environmental Services logo and title block: TYPICAL SERVICE CONNECTION TO EXISTING SANITARY SEWER. SCALE: NONE. DATE: 11/21/2019.

GENERAL NOTES section with 20 numbered items detailing fire hydrant installation requirements. Includes diagrams for 'TYPICAL FIRE HYDRANT INSTALLATION', 'BEDDING DETAILS' for rigid and thermoplastic pipe, and 'JOINT RESTRAINT FOR BEDS'.

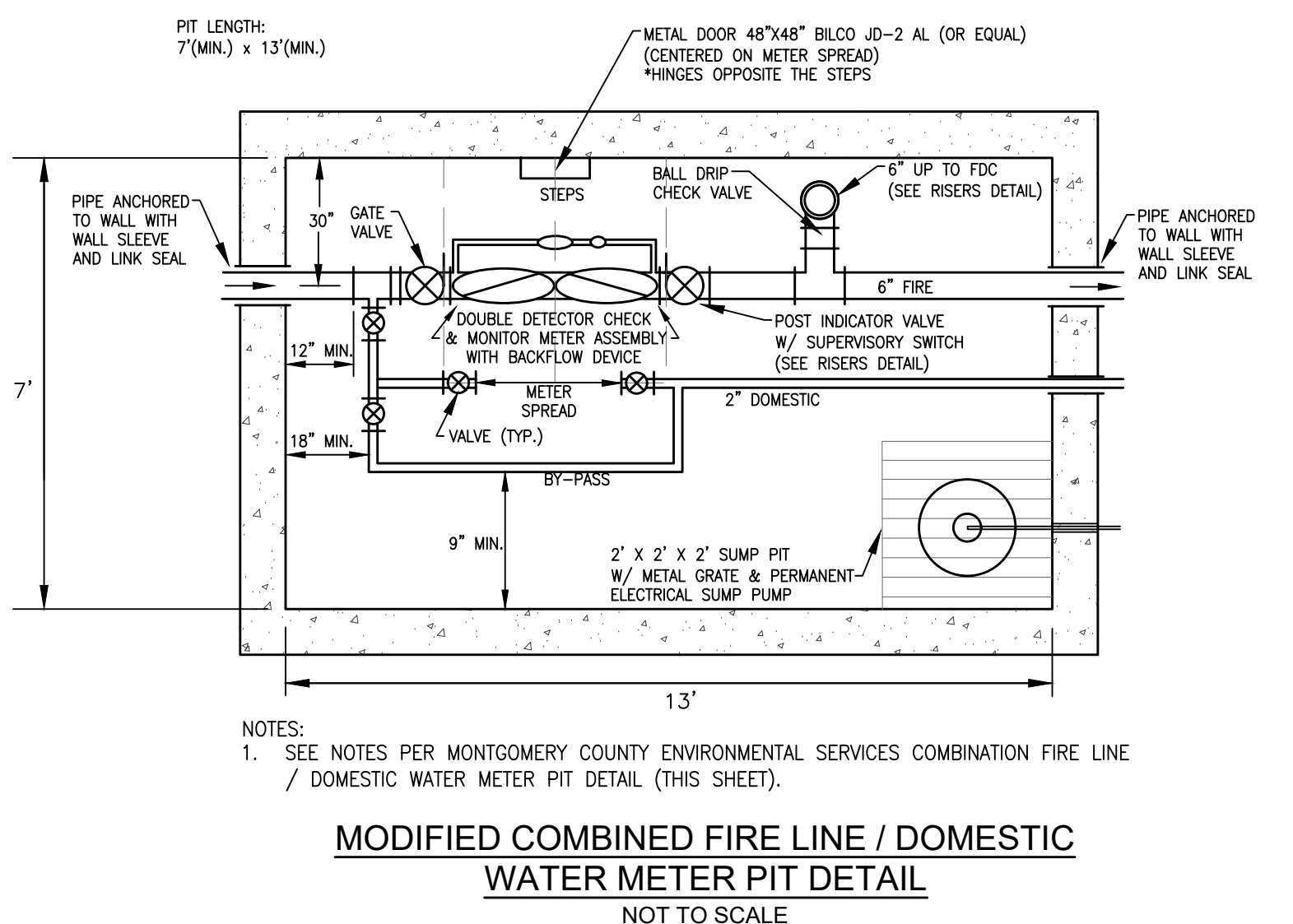
Project title block: PROJECT No. 15091-30, PROJECT TITLE: X OFN. Includes a grid of dates and signatures for project milestones.



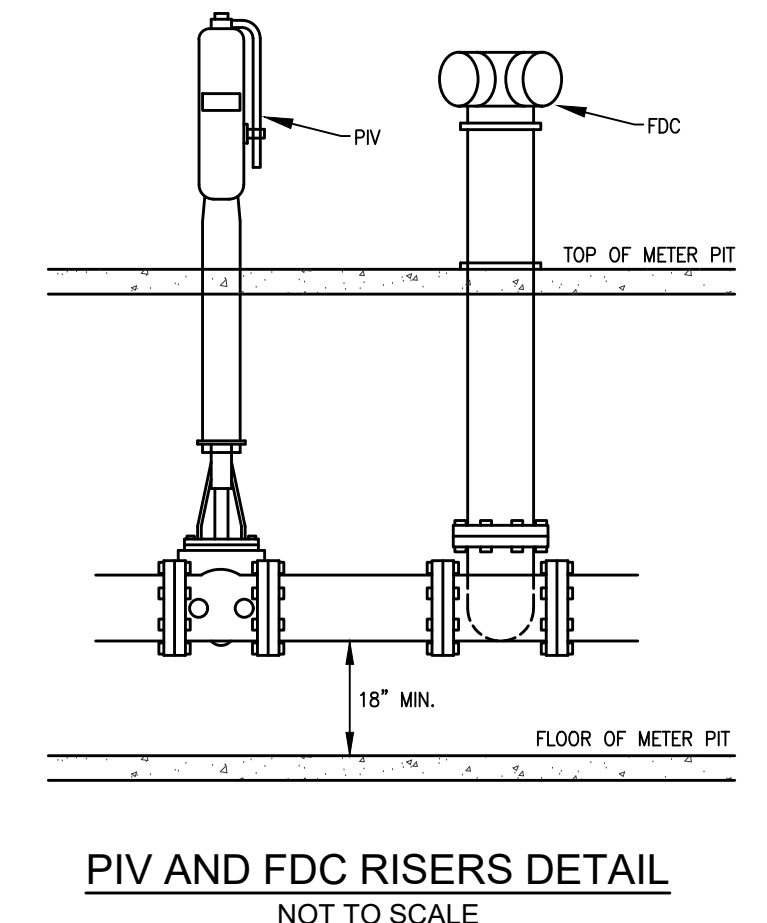
Montgomery County Environmental Services logo and title block: TYPICAL SERVICE INSTALLATION. SCALE: NONE. DATE: 11/21/2019.



Montgomery County Environmental Services logo and title block: COMBINATION FIRE LINE / DOMESTIC WATER METER PIT (FOR OFF ROAD USE ONLY). SCALE: NONE. DATE: 6/7/2020.

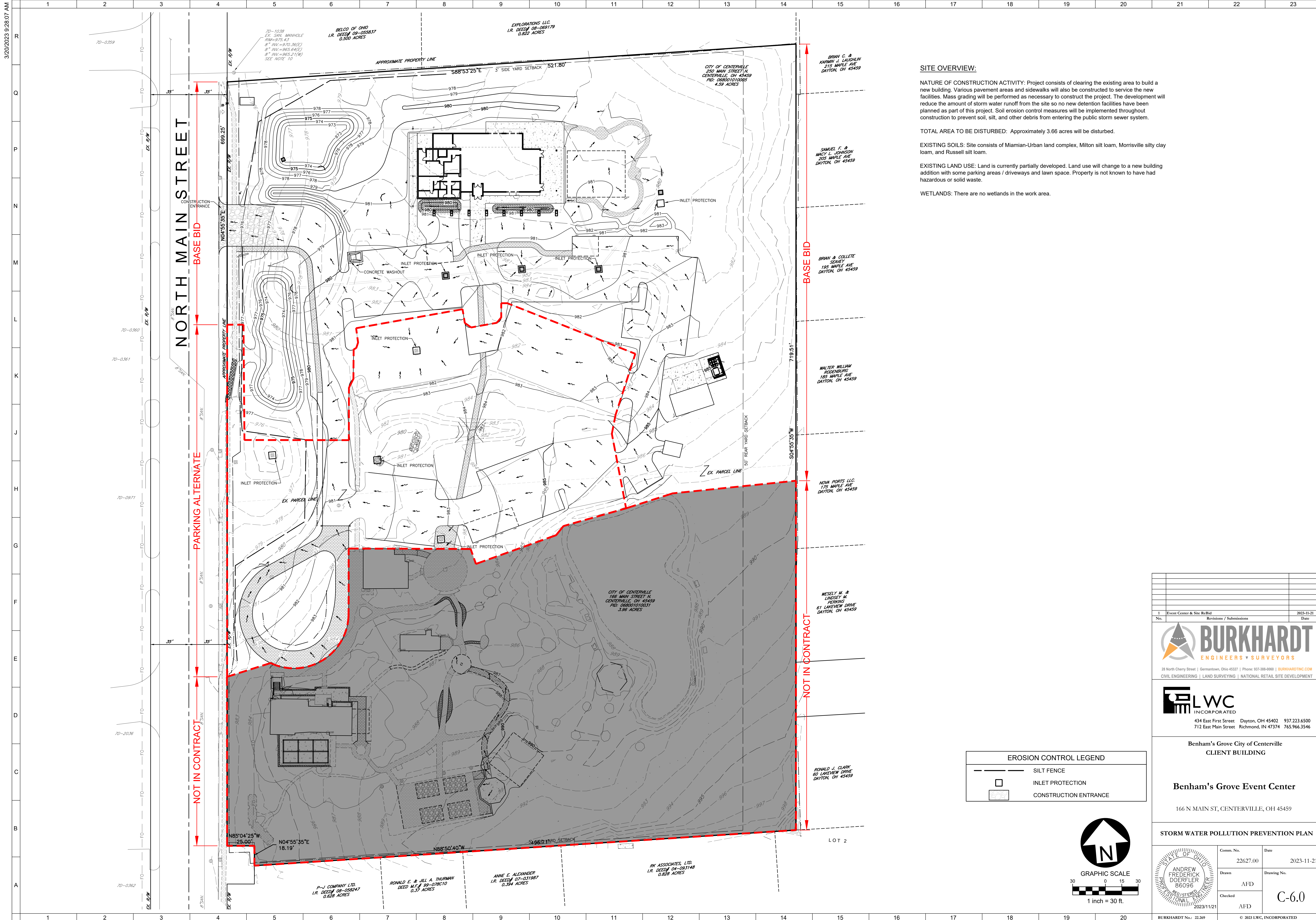


MODIFIED COMBINED FIRE LINE / DOMESTIC WATER METER PIT DETAIL NOT TO SCALE



PIV AND FDC RISERS DETAIL NOT TO SCALE

Project information block including Burkhardt Engineers & Surveyors logo, contact information for Benham's Grove City of Centerville Client Building, and county details table with drawing number C-5.1.



SITE OVERVIEW:

NATURE OF CONSTRUCTION ACTIVITY: Project consists of clearing the existing area to build a new building. Various pavement areas and sidewalks will also be constructed to service the new facilities. Mass grading will be performed as necessary to construct the project. The development will reduce the amount of storm water runoff from the site so no new detention facilities have been planned as part of this project. Soil erosion control measures will be implemented throughout construction to prevent soil, silt, and other debris from entering the public storm sewer system.

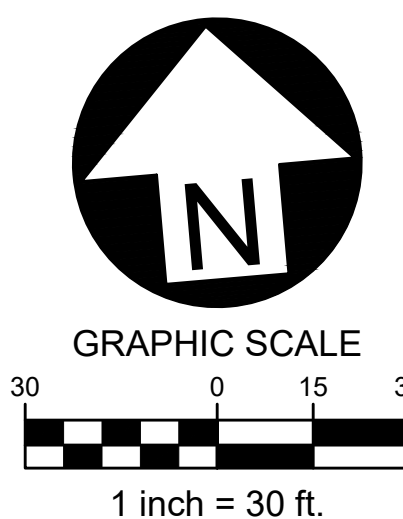
TOTAL AREA TO BE DISTURBED: Approximately 3.66 acres will be disturbed.

EXISTING SOILS: Site consists of Miamian-Urban land complex, Milton silt loam, Morrisville silty clay loam, and Russell silt loam.

EXISTING LAND USE: Land is currently partially developed. Land use will change to a new building addition with some parking areas / driveways and lawn space. Property is not known to have had hazardous or solid waste.

WETLANDS: There are no wetlands in the work area.

EROSION CONTROL LEGEND	
	SILT FENCE
	INLET PROTECTION
	CONSTRUCTION ENTRANCE



1		Event Center & Site ReBid	2023-11-21
No.	Revisions / Submissions		Date

28 North Cherry Street | Germantown, Ohio 45327 | Phone: 937-388-0080 | BURKHARDTINC.COM
 CIVIL ENGINEERING | LAND SURVEYING | NATIONAL RETAIL SITE DEVELOPMENT

434 East First Street Dayton, OH 45402 937.223.6500
 712 East Main Street Richmond, IN 47374 765.966.3546

**Benham's Grove City of Centerville
CLIENT BUILDING**

Benham's Grove Event Center
 166 N MAIN ST, CENTERVILLE, OH 45459

STORM WATER POLLUTION PREVENTION PLAN

	Comm. No.	Date
	22627.00	2023-11-21
	Drawn	Drawing No.
Checked	C-6.0	
AFD		
AFD		

BURKHARDT No.: 22369 © 2023 LWC, INCORPORATED

GENERAL STORMWATER POLLUTION PREVENTION NOTES

- All erosion and sediment control practices must conform to the standards and specifications set forth by the Local, State, and Federal Authorities.
- Construction activities shall be scheduled such that a minimum area of the site is disturbed at a time. Construction operation shall be scheduled and performed so that preventative soil erosion control measures are in place prior to excavation in critical areas and temporary stabilization measures are in place immediately following backfilling operations. Contractor shall reduce effects of storm water by using and/or maintaining grassed swales, infiltration structures, or water diversions.
- Special precautions will be taken in the use of construction equipment to prevent situations that promote erosion.
- Cleanup will be done in a manner to ensure that erosion control measures are not disturbed.
- The soil erosion controls are to be inspected once a week and within 24 hours of a 0.50 inch or greater rain event. A written log of these inspections and improvements to controls shall be kept on site. The logs shall include the date of inspection, name of the inspector, weather conditions, actions taken to correct any problems and the date corrective actions were taken.
- Temporary soil stabilization shall occur within 7 days after rough grading if the area will remain idle longer than 14 days. Any disturbed area that is not going to be worked for 365 days or more must be permanently stabilized (seeded and mulched) within 7 days of most recent disturbance.
- Trenches for underground utility lines and pipes shall be temporarily stabilized within 7 days if they are to remain inactive for 14 days. Trench dewatering devices shall discharge in a manner that filters soil-laden water before discharging it to a receiving drainage ditch or pond. If seeding, mulching or other erosion and sediment control measures were previously installed; these protective measures shall be reinstated. Pipelines with joints that allow a manufactured length of pipe to be placed in the trench with the pipe joint assembled/made in the trench require an open pipeline trench that is only slightly longer than the length of pipe being installed. The total length of excavated trench open at any time should not be greater than the total length of pipeline/utility that can be placed in the trench and backfilled in one working day. No more than 50 linear feet of open trench should exist when pipeline/utility line installation ceases at the end of the work day.
- Soil stockpiles shall be stabilized or protected to prevent soil loss.
- All disturbed areas shall be permanently stabilized within 7 days of final grading. Further, soil erosion control measures shall be maintained until permanent stabilization is complete, at which time temporary measures will be removed. Permanent vegetation is a ground cover dense enough to cover 80% of the soil surface and mature enough to survive winter weather conditions.
- Silt fence to be 2' minimum from property lines in areas where work is near adjacent properties.
- The Contractor shall establish a permanent on-site benchmark prior to clearing, grubbing and/or demolition.
- Haul Routes - The Contractor shall be responsible for the cleanup of any mud, dirt, or debris deposited on haul roads as a result of his operations. Soil shall be removed from roads and paved surfaces at the end of each day in such a manner that does not create off-site sedimentation in order to ensure safety and abate off-site soil loss. Collected sediments shall be placed in a stable location on site or taken off-site to a stable location. Contractor shall use State Routes (and shortest distance non-state routes) for project haul route.
- No solid or liquid waste shall be discharged into storm water runoff.
- Disposal of solid, sanitary and toxic waste - Solid, sanitary and toxic waste must be disposed of in a proper manner in accordance with local, state and federal regulations. It is prohibited to burn, bury or pour out onto ground or into storm sewer any solvents, paint, stains, gasoline, diesel fuel, used motor oil, hydraulic fluid, antifreeze, cement curing compounds and other such toxic or hazardous waste.
- Wash out of cement trucks should occur in the designated area where the washing can collect and be disposed of properly when it hardens.
- If a concrete washout area, and/or a stockpile area are needed, a delineated area for each must be provided and maintained for them. Areas can be located in an alternate location than that shown on the plans if necessary due to construction operations and other field considerations.
- No fuel storage is permitted on-site.
- All storm sewers, infiltration, detention, and retention areas shall be cleared of construction sediment upon completion of construction.
- The General Contractor shall be responsible for submitting a Notice of Intent (NOI) and Notice of Termination (NOT) as required by the Ohio EPA.
- The General Contractor is responsible for ensuring that all soil erosion and sediment control practices comply with the Ohio EPA's General Permit for Construction No. OHC000006 and follow the best practices set forth in the ODNR Rainwater and Land Development Manual.
- Dumpsters shall be provided for the disposal of debris, trash, hazardous and petroleum waste. All containers must be covered and leak proof.
- All construction and demolition debris waste will be disposed of in an OEPA approved C&DD landfill as required by Ohio Revised Code 3714.
- Any areas that will be used for mixing or storing fertilizers, lime, asphalt or concrete or used for vehicle fueling shall be designated and these areas should be kept away from any watercourses or storm sewers.
- A Spill Prevention Control and Countermeasures (SPCC) Plan shall be developed if the site has one above ground storage tank of 660 gallons or more, total above ground tank storage of 1330 gallons, or below ground storage of 42,000 gallons of fuel.
- All contaminated soils must be treated and/or disposed in OEPA approved solid waste management facilities or hazardous waste treatment, storage or disposal facilities (TSDFs).
- In the event of a large release of petroleum waste (25 gallons or more) contractor shall contact OEPA at 1-800-282-9378, the local fire department and the local emergency planning committee (LEPC) within 30 minutes of spill.
- Protected storage areas for industrial or construction materials shall be used to minimize exposure of such materials to storm water.
- If the Contractor uses pumps to assist in construction dewatering efforts, the water must be filtered prior to discharging it into the municipal storm sewer system, ensuring that no soil, silt or sediment enters the system.
- Contractor to review and determine the best locations for construction entrance, concrete washout, dumpsters, and other SWPPP elements. All dirt and sediment is to be kept off public streets.
- Contractor shall coordinate all soil erosion control and construction entrance with the City of Centerville and the Ohio Department of Transportation prior to start.

SOIL EROSION CONTROL SEQUENCE OF CONSTRUCTION

- Stone tracking pad atop geotextile liner.
- Install silt fence and protection fencing.
- Install sediment basin.
- Initial clearing, grubbing, and demolition.
- Strip and stockpile top soil.
- Rough grade and balance site.
- Install underground utilities (i.e. Sanitary, Storm & Water)
- Place inlet filters on all storm inlets.
- Install franchise utilities (i.e. Gas, Electric, Telephone & Cable TV).
- Final grade site.
- Install pavement, curb, and other hardscape structures/surfaces.
- Stabilize ditches, swales, common areas and slopes.
- Establish permanent vegetation for all disturbed areas.
- Remove all temporary erosion and sediment control devices.
- Clean out storm sewer system, infiltration, detention, and retention areas upon completion.

SOIL EROSION CONTROL MAINTENANCE

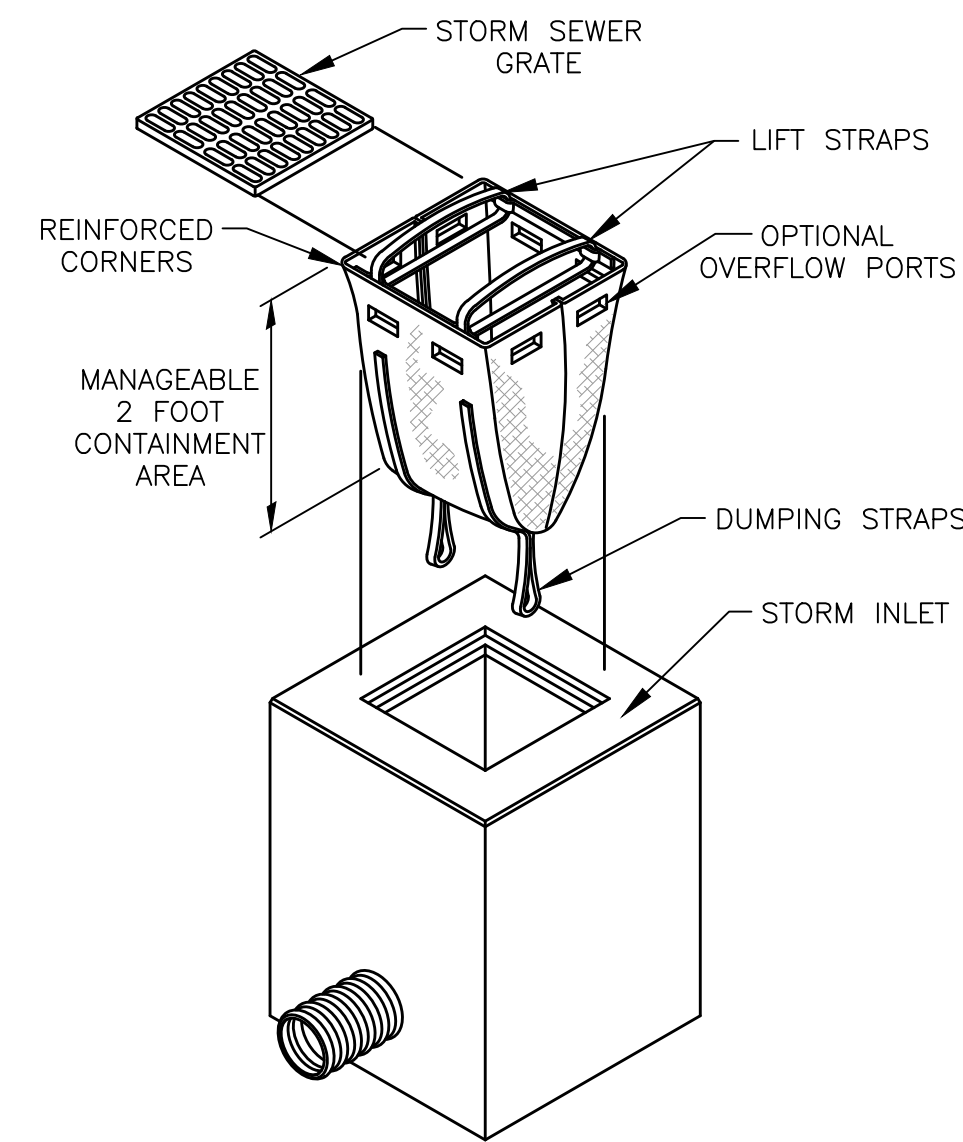
- Inlet protection devices and barriers shall be repaired or replaced if they show signs of undermining or deterioration.
- All seeded areas shall be checked regularly to see that a good stand is maintained. Areas should be fertilized, watered, and reseeded as necessary.
- Silt fences shall be repaired to their original conditions if damaged. Sediment shall be removed from the silt fences when it reaches one-half the height of the silt fence.
- The construction entrance shall be maintained in a condition which will prevent tracking or flow of mud onto public rights-of-way.
- Sediment from the storm sewers, infiltration, detention, and retention areas shall be removed as necessary to maintain proper functionality.

SOIL EROSION CONTROL PRODUCT NOTES

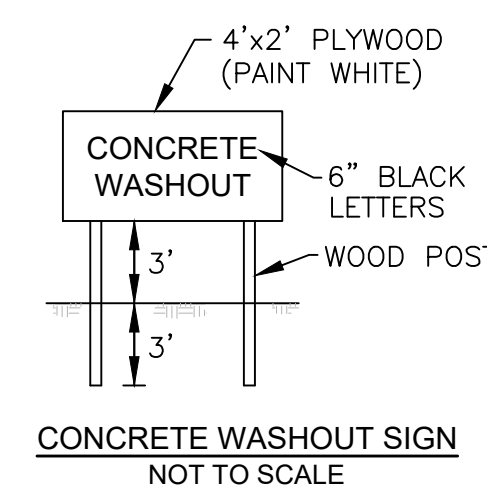
All stormwater inlets shall be protected with Geotextile Inlet Protection or Inlet Filters (Dandy Products, Flexstorm, or equivalent).

INSPECTION NOTES

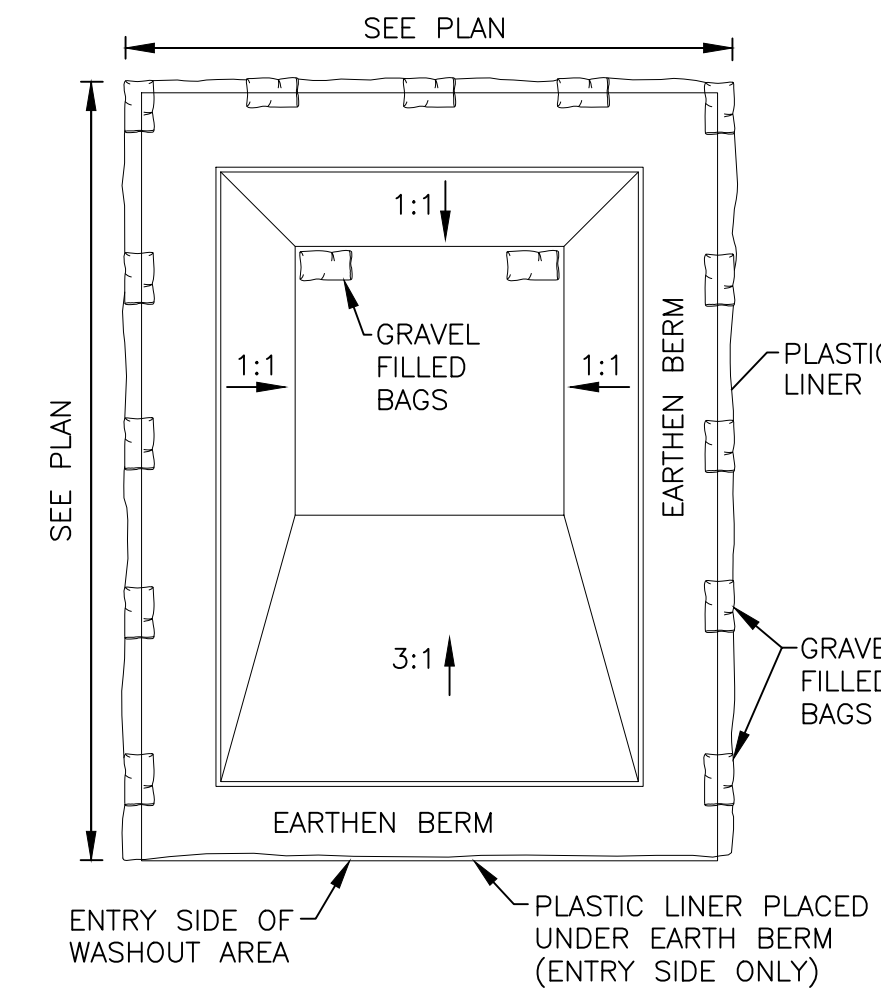
- Inspections shall be made weekly and within 24 hours after a rain event of 0.5 inches within a 24 hour period. Inspection frequency may be reduced to monthly for dormant sites if the entire site is temporarily stabilized or if runoff is unlikely due to weather conditions for extended periods of time.
- Only qualified inspection personnel shall perform inspections.
- Inspection checklist shall be completed and signed by the inspector after every inspection. The inspection checklist shall contain the following: date, name/title/qualifications of inspectors, weather for the period since the last inspection (rainfall amounts, duration, etc.), weather and description of any discharges occurring at time of inspection, location of discharges or other pollutants from the site, location of BMP needing maintenance, location of any failed BMPs, location for additional BMPs needed based on inspection, corrective actions required including any changes to the SWP3 and implementation dates.
- The inspection records are to be kept 3 years after termination of construction activity.
- Non sediment pond BMPs are to be repaired 3 days after inspections and sediment ponds to be repaired or cleaned out within 10 days after inspection.
- If a BMP is not functioning like it was intended to it shall be replaced within 10 days of inspection.
- For missing BMPs they shall be installed within 10 days of inspection.



DANDY SACK™ DETAIL
NOT TO SCALE

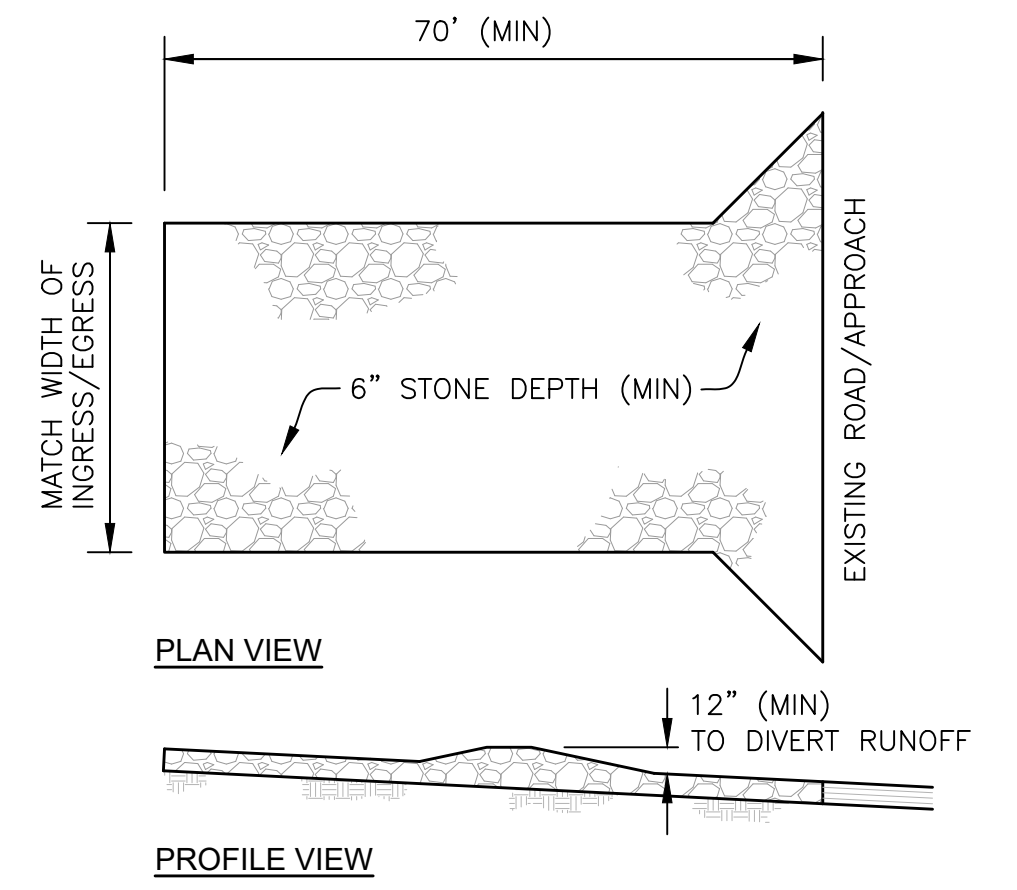


CONCRETE WASHOUT SIGN
NOT TO SCALE



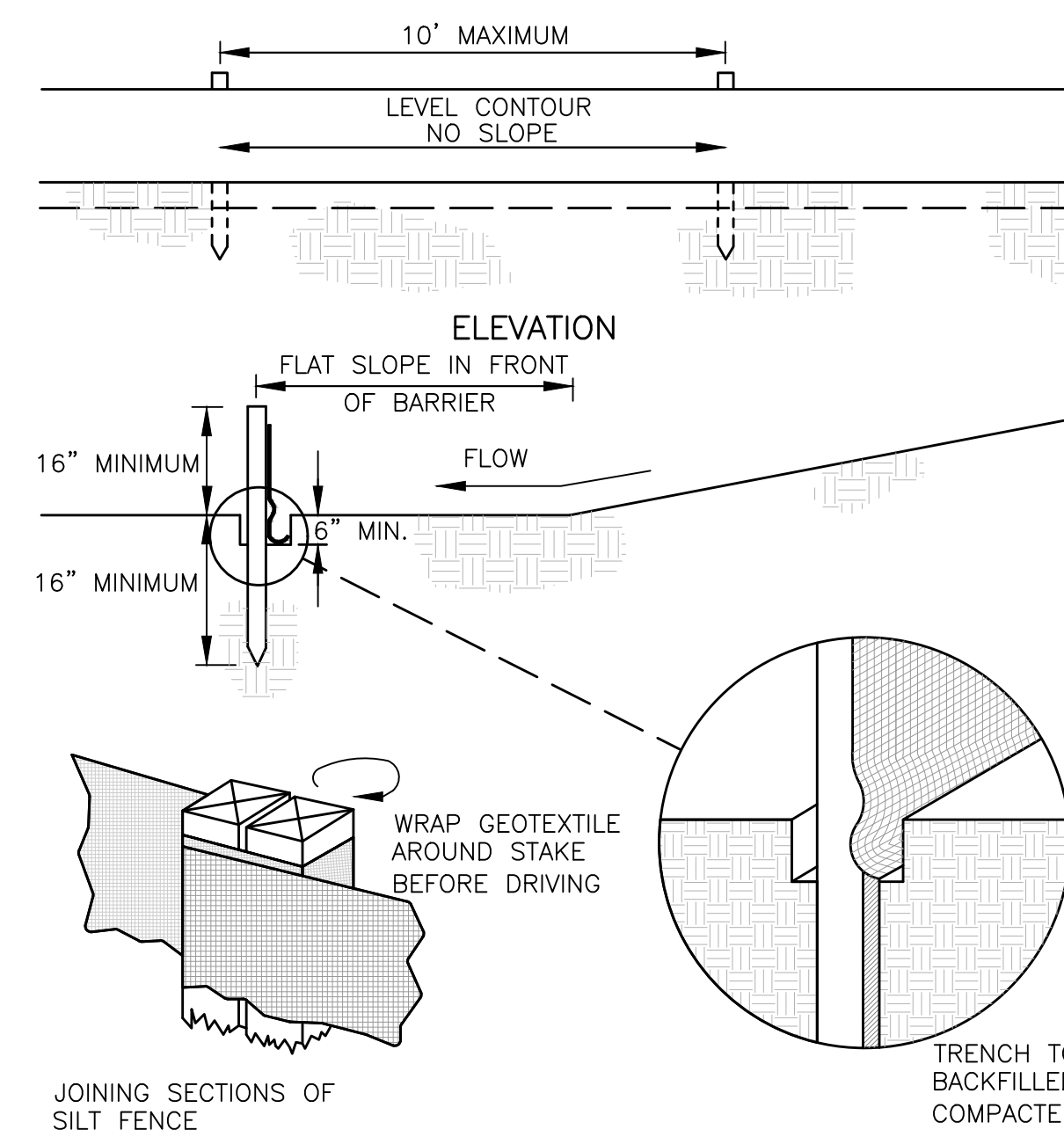
CONCRETE WASHOUT AREA
NOT TO SCALE

- NOTES:
- PLASTIC LINER SHALL BE ANCHORED WITH GRAVEL-FILLED BAGS.
 - CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 10' OF THE CONCRETE WASHOUT AREA.



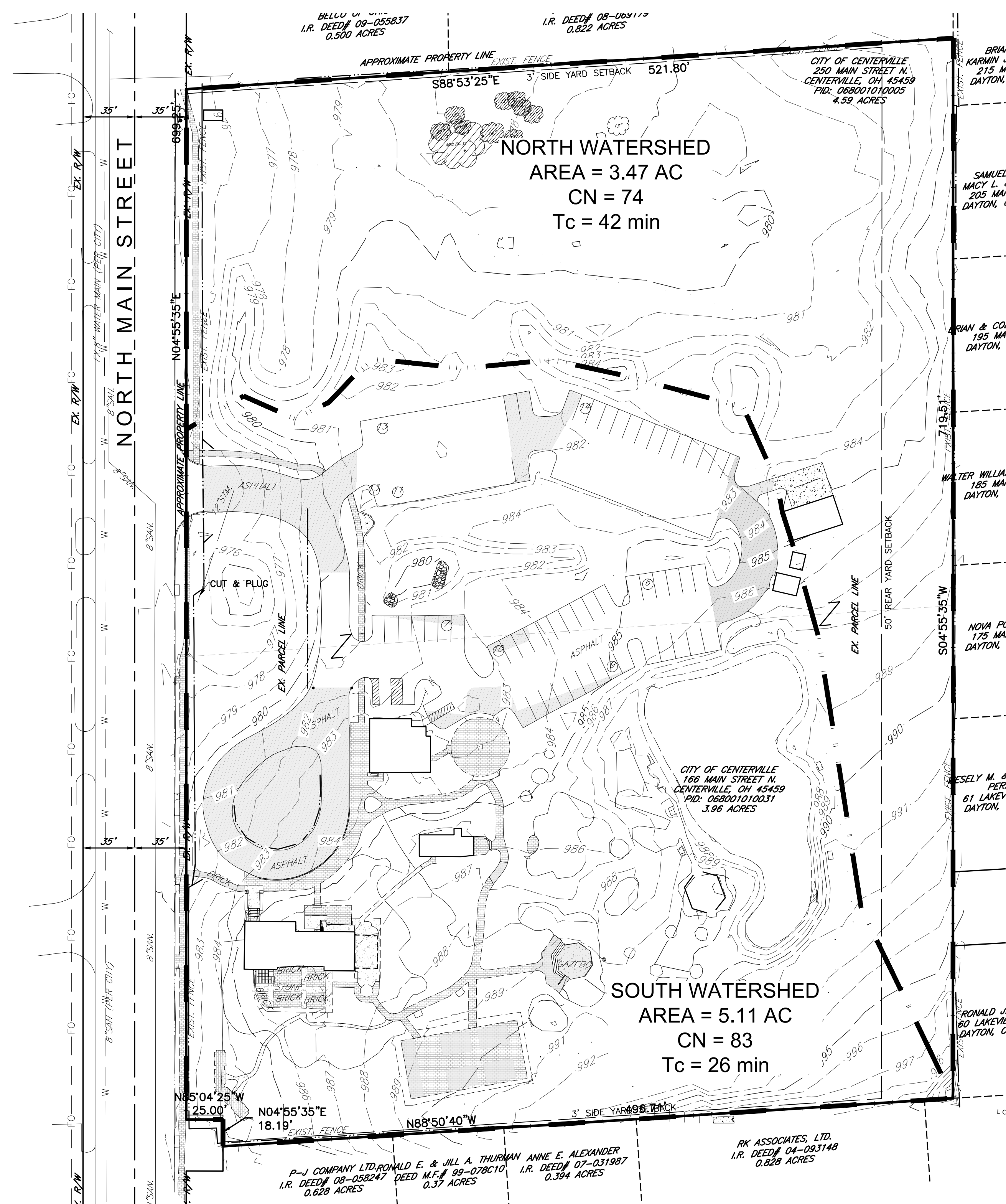
CONSTRUCTION ENTRANCE DETAIL
NOT TO SCALE

- NOTES:
- STONE SHALL BE 1.5"-2.5" IN DIAMETER
 - GEOTEXTILE FABRIC SHALL BE LAID OVER THE ENTIRE AREA PRIOR TO PLACING STONE. (US 200 OR EQUIV.)

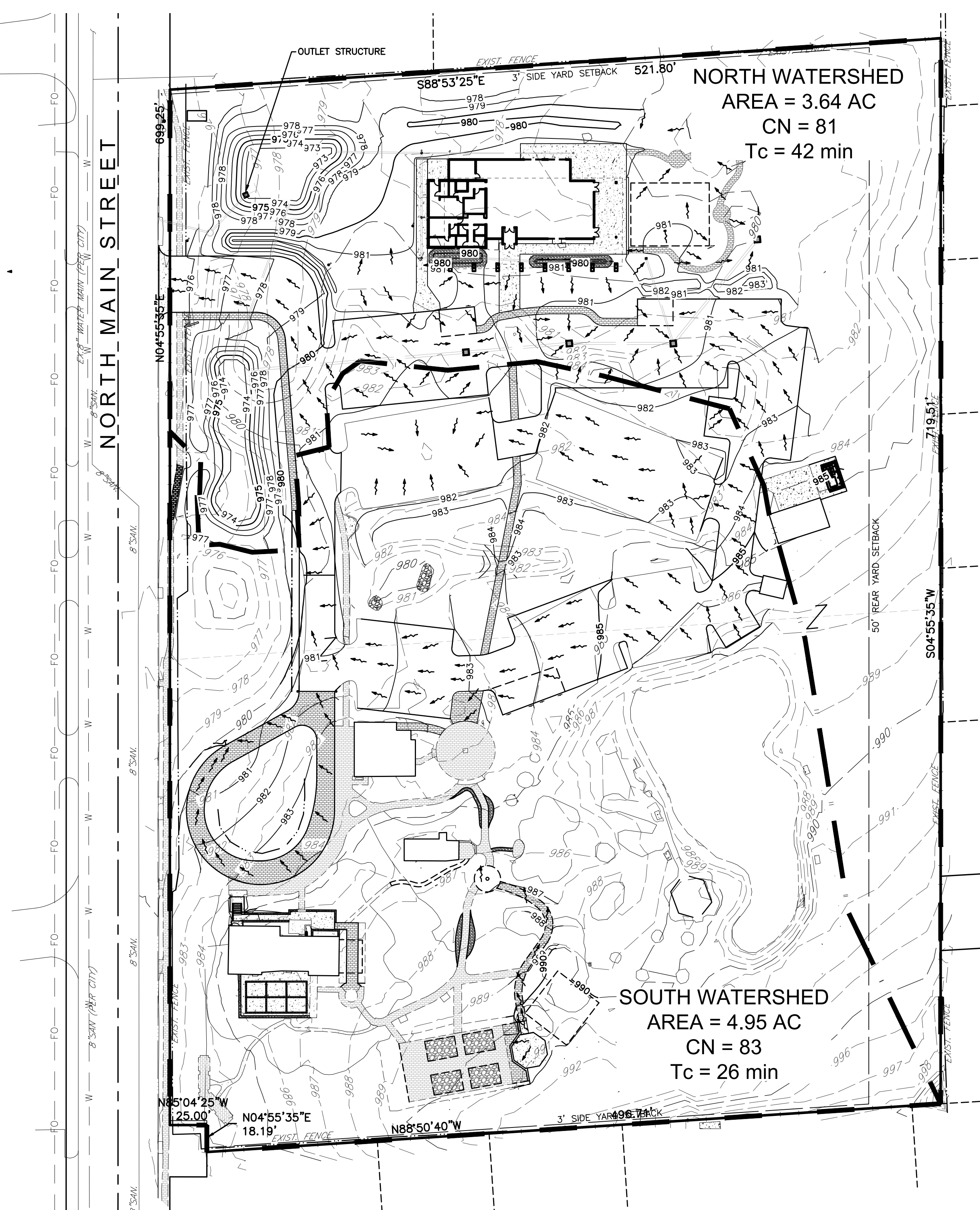


SILT FENCE & INLET PROTECTION
INSTALLATION DETAIL
NOT TO SCALE

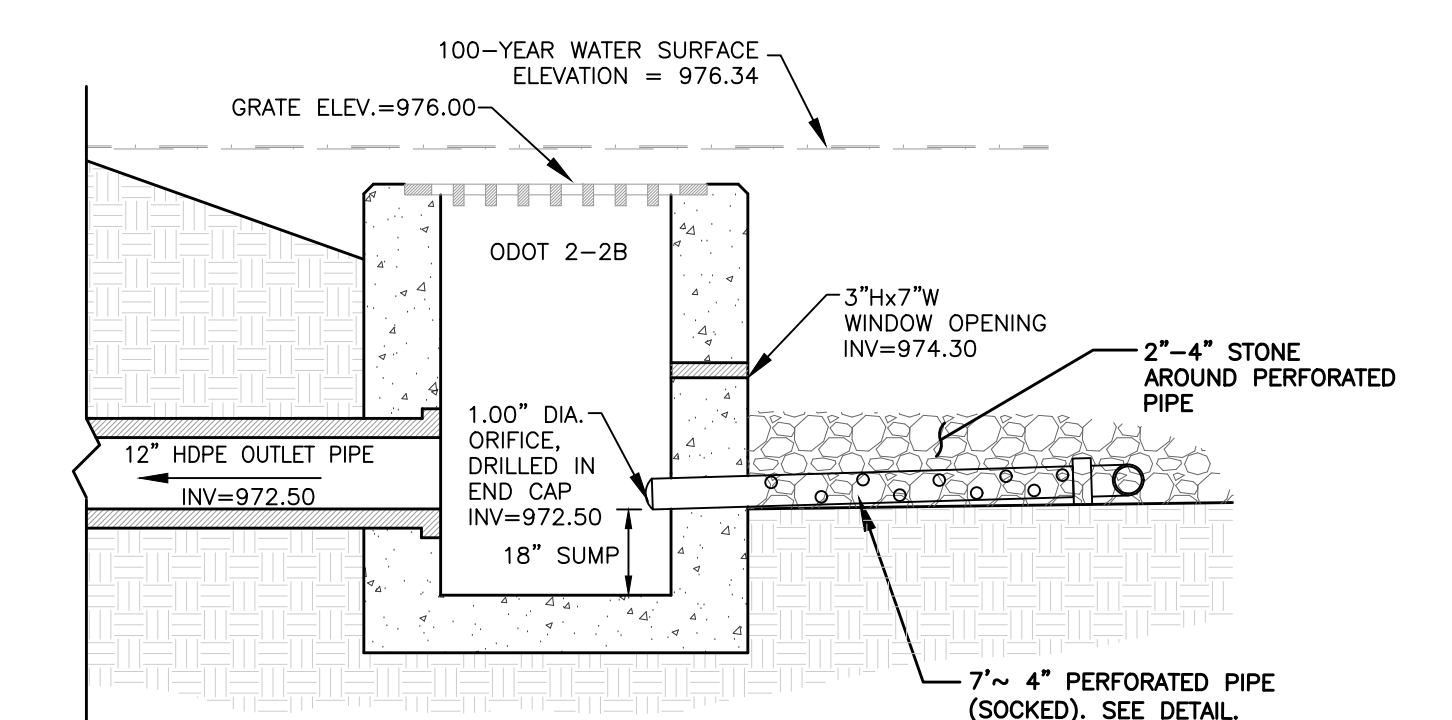
1		Event Center & Site ReBid		2023-11-21	
No.	Revisions / Submissions			Date	
<p>28 North Cherry Street Germantown, Ohio 45327 Phone: 937-388-0860 BURKHARDTINC.COM CIVIL ENGINEERING LAND SURVEYING NATIONAL RETAIL SITE DEVELOPMENT</p>					
<p>434 East First Street Dayton, OH 45402 937.223.6500 712 East Main Street Richmond, IN 47374 765.966.3546</p>					
<p>Benham's Grove City of Centerville CLIENT BUILDING</p>					
<p>Benham's Grove Event Center</p> <p>166 N MAIN ST, CENTERVILLE, OH 45459</p>					
<p>STORM WATER POLLUTION PREVENTION PLAN DETAILS</p>					
	Comm. No.	Date		2023-11-21	
	Drawn	Drawing No.		C-6.1	
	Checked				
BURKHARDT No.: 22369		© 2023 LWC, INCORPORATED			



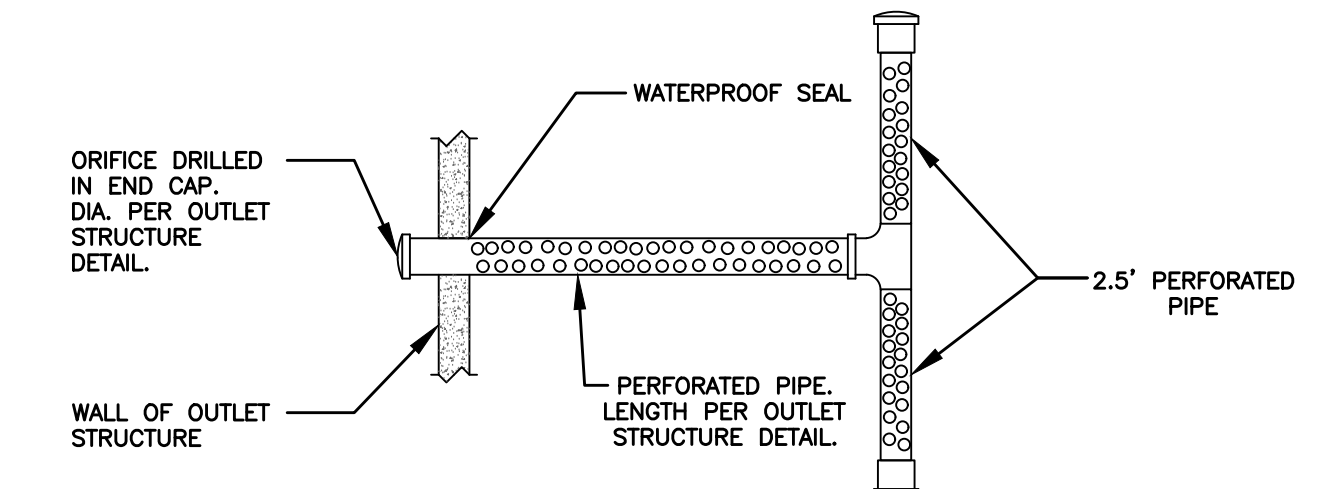
EXISTING CONDITIONS



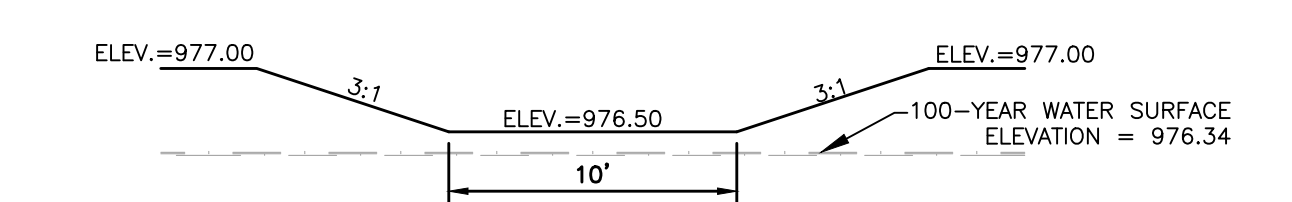
PROPOSED CONDITIONS



OUTLET STRUCTURE DETAIL
NOT TO SCALE



PERFORATED PIPE DETAIL
NOT TO SCALE



EMERGENCY OVERFLOW DETAIL
NOT TO SCALE

Existing Conditions

The existing site is partially developed and mostly consists of woods and grass in good condition and pavement/buildings. The site's existing watershed is split, with the southern portion draining into an existing detention area and the remainder of the property draining to the North undrained.

Proposed Conditions

The proposed improvements for the Northern watershed will include constructing a new building with service drives, parking lots, utilities, and other associated site improvements. Runoff from the site will be collected in a new storm sewer system and routed through a new Detention Basin, providing both Water Quality Volume and Detention Volume controls to reduce post-construction runoff rates in accordance with the Ohio EPA and the City of Centerville. The detention basin will be located in the north end of the site, as shown on these plans. The detention basin will outlet to the City of Centerville storm sewer system in North Main Street, via a new private storm sewer.

Soils

- MoB - Miamian-Urban Land Complex, Undulating, Hydrologic Soil Group C (2.5% of site)
- MsB2 - Milton Silt Loam, 2 to 6% slopes, Hydrologic Soil Group C (51.5% of site)
- Mv3E2 - Morrisville Silty Clay Loam, 18 to 25% slopes, Hydrologic Soil Group C (10% of site)
- RuB - Russel Silt Loam, 2 to 6% slopes, Hydrologic Soil Group B (36% of site)
- C soils used for pre-post analysis.

Rainfall Data

- 24-hour Rainfall Depths | Centerville, Ohio
- 1 year - 2.29"
 - 2 year - 2.75"
 - 5 year - 3.36"
 - 10 year - 3.84"
 - 25 year - 4.47"
 - 50 year - 4.98"
 - 100 year - 5.49"

Reference Materials and Methodology for Calculations

- USDA - Urban Hydrology for Small Watersheds - Technical Release 55
- USDA - Web Soil Survey
- Montgomery County Stormwater Regulations
- Ohio EPA Permit No 0OHC00006
- ODNR Rainwater and Land Development Manual
- NOAA Atlas 14, Volume 2, Version 3

Runoff Control and Water Quality Requirements

Provide detention as necessary to reduce post-construction runoff rates to pre-development rates per the Critical Storm Method.

Provide water quality to meet the requirements of Ohio EPA Permit No. OHC00006.

Runoff Control and Water Quality will be achieved with the Detention Basin.

Water Quality Calculations

Required:
 $WQV = Rv \cdot P \cdot A / 12$
 $A = 3.64$ acres
 $P = 0.90"$
 $Rv = 0.05 + 0.9i$ (where i = fraction of post construction impervious surface) = 0.05 + .9(.222) = 0.250
 $WQV = 2,971$ cu-ft
 $WQV + 20\% = 3,565$ cu-ft

Provided:
 $WQV = 3,574$ cu-ft, at elevation 974.27

Water Quality control provided by 1.00" orifice in outlet structure of detention basin.

Critical Storm Calculations

Existing 1-year Volume = 5,382 cu.ft.
 Proposed 1-year Volume = 9,360 cu.ft.

Percent Increase in Runoff = 73.9% increase

Critical Storm = 10-year Storm Event

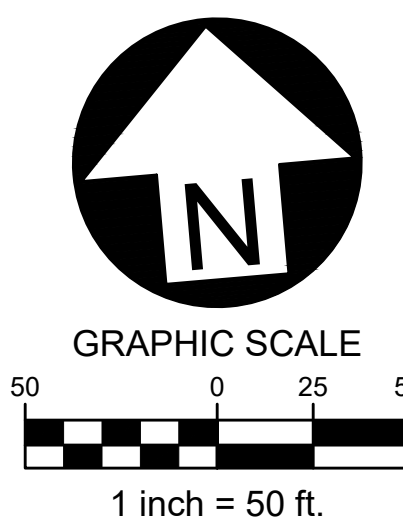
DETENTION BASIN STAGE-STORAGE-DISCHARGE

Elevation (ft)	Contour Area (sq.ft.)	Total Storage (cu.ft.)	Discharge (cfs)
972.50	10	0	0.00
973.00	1,521	276	0.02
974.00	3,879	2,885	0.03
975.00	5,324	7,468	0.57
976.00	6,893	13,559	0.93
977.00	8,638	21,309	17.90

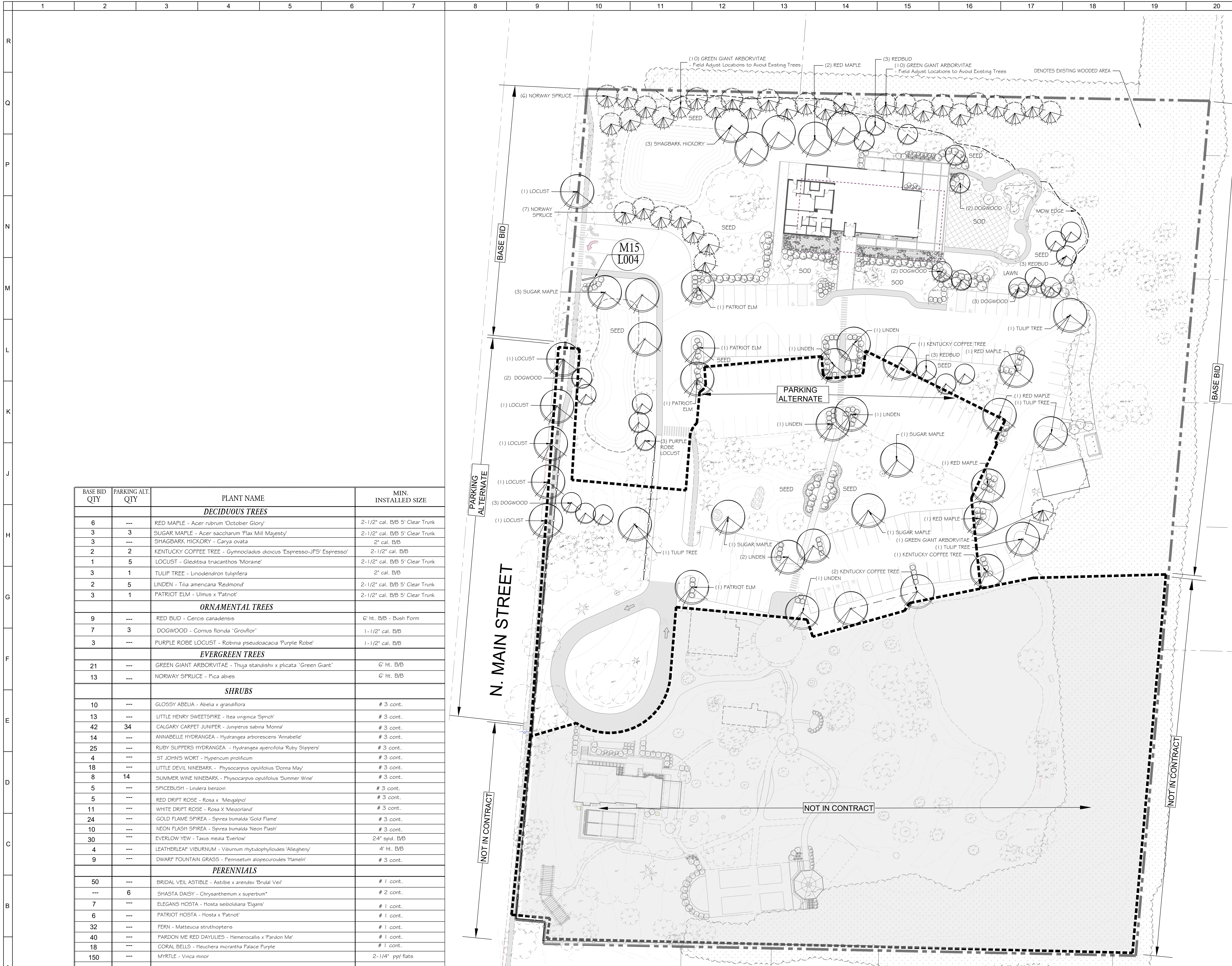
DETENTION BASIN PERFORMANCE TABLE

Event (yr)	Pre Development Discharge (cfs)	Post Development Discharge (Inflow) (cfs)	Allowable Peak Discharge (cfs)	Basin Discharge (Outflow) (cfs)	Water Surface Elevation	Basin Volume (cu.ft.)
1	0.95	1.87	0.95	0.30	974.57	5,338
2	1.58	2.72	0.95	0.53	974.92	7,028
5	2.55	3.95	0.95	0.76	975.46	10,059
10	3.38	4.95	0.95	0.90	975.89	12,839
25	4.55	6.32	4.55	2.61	976.16	14,660
50	5.53	7.45	5.53	4.40	976.26	15,377
100	6.54	8.59	6.54	6.21	976.34	15,997

HydroCAD used for storm water calculations and detention modeling.



1		Event Center & Site ReBid	2023-11-21
No.	Revisions / Submissions		Date
 28 North Cherry Street Germantown, Ohio 45327 Phone: 513-388-0860 BURKHARDTINC.COM CIVIL ENGINEERING LAND SURVEYING NATIONAL RETAIL SITE DEVELOPMENT			
 434 East First Street Dayton, OH 45402 937.223.6500 712 East Main Street Richmond, IN 47374 765.966.3546			
Benham's Grove City of Centerville CLIENT BUILDING			
Benham's Grove Event Center 166 N MAIN ST, CENTERVILLE, OH 45459			
STORM WATER MANAGEMENT PLAN			
Comm. No.	Date		
22627.00	2023-11-21		
Drawn	Drawing No.		
AFD	C-7.0		
Checked			
AFD			
BURKHARDT No.: 22369		© 2023 LWC, INCORPORATED	



- LANDSCAPE REQUIREMENTS:**
- DIAMETERS OF PLANT MATERIALS AS DRAWN ARE REPRESENTATIVE OF PLANTS AT OR NEAR MATURITY RATHER THAN AT INITIAL PLANTING.
 - THE PLANT LIST IS INTENDED AS A GUIDE FOR THE LANDSCAPE CONTRACTOR. IN THE EVENT OF DISCREPANCY BETWEEN THE NUMBER OF PLANTS ON THE PLANT LIST AND ON THE DRAWING, THE GREATER NUMBER SHALL APPLY.
 - ADJUSTMENTS IN LOCATIONS OF PLANT MATERIALS MAY BE NECESSARY DUE TO NEW OR EXISTING UTILITIES OR SITE OBSTRUCTIONS. ADVISE ARCHITECTS REPRESENTATIVE BEFORE ADJUSTMENTS ARE MADE.
 - TREES AND SHRUBS SHALL BE HEALTHY AND VIGOROUS PLANTS, FREE FROM DEFECTS, DECAY, DISFIGURING ROOTS, SUN SCALD, INJURIES, ABRASIONS OF THE BARK, PLANT DISEASES, INSECT PEST EGGS, BORERS AND ALL FORMS OF INFESTATIONS OF OBJECTIONABLE DISFIGUREMENTS. PLANTS SHALL BE IN ACCORDANCE WITH THE CURRENT AMERICAN ASSOCIATION OF NURSESMEN'S STANDARDS AND CONFORM IN GENERAL TO REPRESENTATIVE SPECIES.
 - BALLED AND BURLAPPED OR CONTAINER TREES AND SHRUBS SHOULD BE DUG WITH FIRM, NATURAL BALLS OF EARTH OF ADEQUATE SIZE AS SPECIFIED BY THE AMERICAN ASSOCIATION OF NURSESMEN, "AMERICAN STANDARD FOR NURSERY STOCK" WITH THE BALLS SECURELY WRAPPED.
 - ALL SHRUBS OCCURRING IN CONTINUOUS ROW OR FORMAL ARRANGEMENT SHALL BE OF UNIFORM HEIGHT, SPREAD AND HABIT OF GROWTH.
 - A MINIMUM OF 4" DEPTH OF TOPSOIL SHALL BE PLACED IN ALL BED AREAS BY LANDSCAPE CONTRACTOR PRIOR TO PLANT INSTALLATION. BACKFILL ALL SHRUBS AND TREES WITH BACKFILL MIX OF ONE PART PEAT TO THREE PARTS TOPSOIL.
 - MULCH TREES AND SHRUBS WITH MIN. 5" DEPTH AND PERENNIAL BEDS WITH 2" DEPTH OF HARDWOOD MULCH. MULCH SHALL EXTEND IN A CONTINUOUS LAYER WITHIN PLANTING BEDS FROM FACE TO FACE OF SITE STRUCTURES - WALKS, BUILDING OR OTHER PLANT BED LIMITS. KEEP MULCH MIN. 1/2" BELOW TOP OF CURB # ADJACENT PAVED SURFACES.
 - SEED (WITH SOD WHERE NOTED ON PLANS) ALL DISTURBED LAWN AREAS WITHIN PROJECT LIMITS. REFER TO CIVIL DRAWINGS FOR REQUIREMENTS AND EXTENT OF WORK. VERIFY EXTENT WITH ARCHITECT'S REPRESENTATIVE.
 - THE LANDSCAPE CONTRACTOR SHALL MAINTAIN ALL PLANTS AND BEDS FOR A MIN. OF 30 DAYS AFTER ACCEPTANCE OF THE WORK BY THE ARCHITECT'S REPRESENTATIVE. THIS INCLUDES REGULAR WATERING, WEEDING AND MOWING.
 - THE LANDSCAPE CONTRACTOR SHALL GUARANTEE ALL PLANT MATERIALS FOR ONE-YEAR FROM DATE AT END OF MAINTENANCE PERIOD. BEFORE END OF WARRANTY PERIOD CONTRACTOR SHALL REPLACE ALL TREES, SHRUBS OR PLANTINGS NOT ALIVE OR IN A HEALTHY GROWING CONDITION.



LANDSCAPE ARCHITECT:
YELLOW SPRINGS DESIGN
 PO Box 472 205 PARK MEADOWS DR
 YELLOW SPRINGS, OHIO 45387
 (614) 937-7878 (M) 937-854-8199
 yellowspringsdesign@gmail.com
 LICENSED IN OH, KY, PA, IN, IL, MO,
 MI, VA, TX, OK, KS, IA, AZ, CO, NM & UT

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 434 East First Street Dayton, OH 45402 937.223.6500
 712 East Main Street Richmond, IN 47374 765.966.3546

Benham's Grove City of Centerville
CLIENT BUILDING

Benham's Grove Event Center
 166 N MAIN ST, CENTERVILLE, OH 45459

SITE LANDSCAPE PLAN

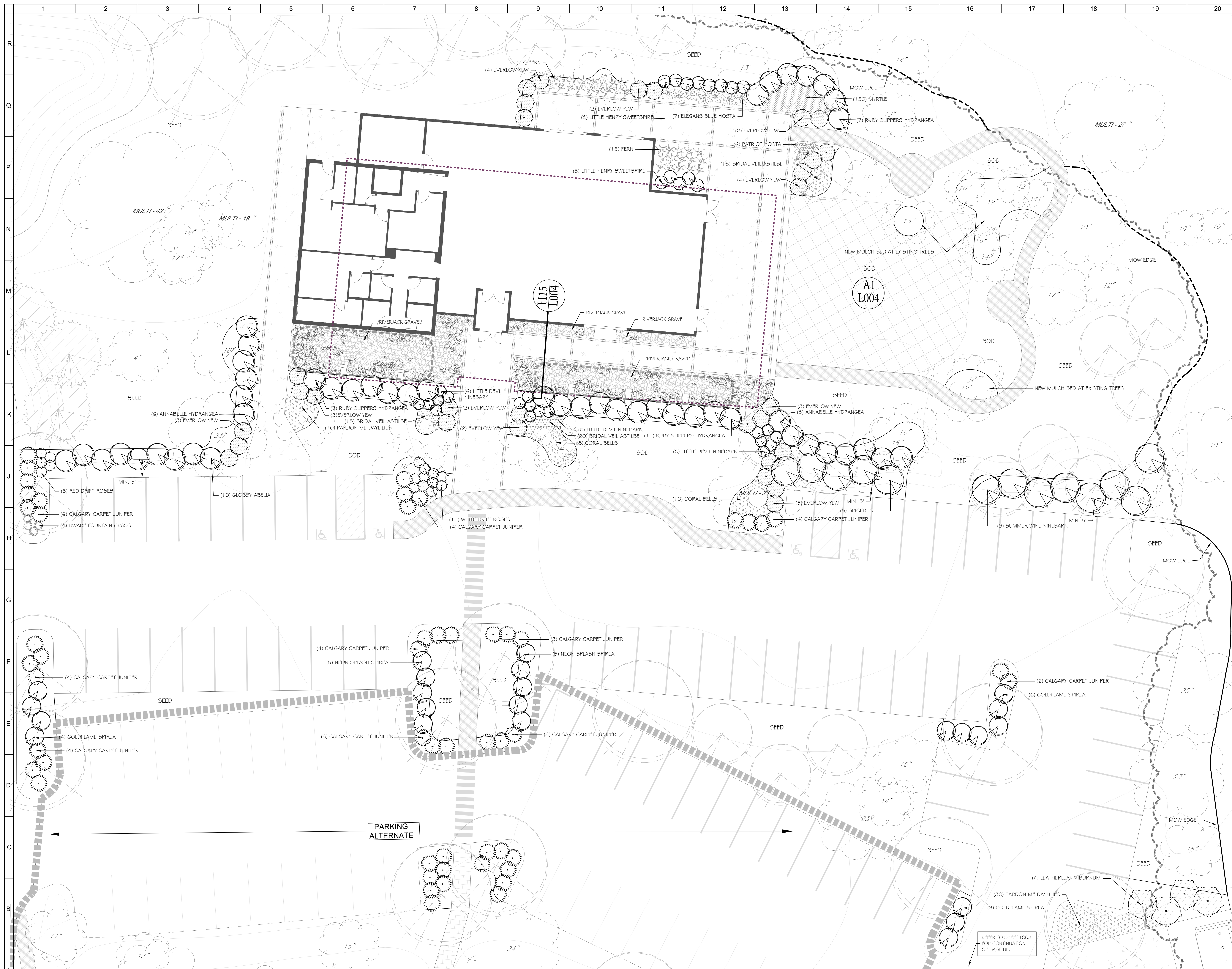
Comm. No.	22627.00	Date	2023-09-11
Drawn	REB	Drawing No.	L001
Checked	REB		

NAME: ROGER E. BEAL
 REGISTRATION NO. LA 8100433
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BASE BID QTY	PARKING ALT. QTY	PLANT NAME	MIN. INSTALLED SIZE
DECIDUOUS TREES			
6	---	RED MAPLE - <i>Acer rubrum</i> 'October Glory'	2-1/2" cal. B/B 5' Clear Trunk
3	3	SUGAR MAPLE - <i>Acer saccharum</i> 'Flax Mill Majesty'	2-1/2" cal. B/B 5' Clear Trunk
3	---	SHAGBARK HICKORY - <i>Carya ovata</i>	2" cal. B/B
2	2	KENTUCKY COFFEE TREE - <i>Gymnocladus dioica</i> 'Espresso-JFS' 'Espresso'	2-1/2" cal. B/B
1	5	LOCUST - <i>Gleditsia tracanthos</i> 'Moraine'	2-1/2" cal. B/B 5' Clear Trunk
3	1	TULIP TREE - <i>Lindodendron tulipifera</i>	2" cal. B/B
2	5	LINDEN - <i>Tilia americana</i> 'Redmond'	2-1/2" cal. B/B 5' Clear Trunk
3	1	PATRIOT ELM - <i>Ulmus x 'Patnot'</i>	2-1/2" cal. B/B 5' Clear Trunk
ORNAMENTAL TREES			
9	---	RED BUD - <i>Cercis canadensis</i>	6' ht. B/B - Bush Form
7	3	DOGWOOD - <i>Cornus florida</i> 'Grosvlor'	1-1/2" cal. B/B
3	---	PURPLE ROBE LOCUST - <i>Robinia pseudoacacia</i> 'Purple Robe'	1-1/2" cal. B/B
EVERGREEN TREES			
21	---	GREEN GIANT ARBORVITAE - <i>Thuja standishii x plicata</i> 'Green Giant'	6' ht. B/B
13	---	NORWAY SPRUCE - <i>Picea abies</i>	6' ht. B/B
SHRUBS			
10	---	GLOSSY ABELIA - <i>Abelia x grandiflora</i>	# 3 cont.
13	---	LITTLE HENRY SWEETSPICE - <i>Itea virginica</i> 'Sprinch'	# 3 cont.
42	34	CALGARY CARPET JUNIPER - <i>Juniperus sabina</i> 'Monna'	# 3 cont.
14	---	ANNABELLE HYDRANGEA - <i>Hydrangea arborescens</i> 'Annabelle'	# 3 cont.
25	---	RUBY SLIPPERS HYDRANGEA - <i>Hydrangea quercifolia</i> 'Ruby Slippers'	# 3 cont.
4	---	ST JOHN'S WORT - <i>Hypericum prolificum</i>	# 3 cont.
18	---	LITTLE DEVIL NINEBARK - <i>Physocarpus opulifolius</i> 'Donna May'	# 3 cont.
8	14	SUMMER WINE NINEBARK - <i>Physocarpus opulifolius</i> 'Summer Wine'	# 3 cont.
5	---	SPICEBUSH - <i>Lindera benzoin</i>	# 3 cont.
5	---	RED DRIFT ROSE - <i>Rosa x 'Meigalpa'</i>	# 3 cont.
11	---	WHITE DRIFT ROSE - <i>Rosa x 'Mezorland'</i>	# 3 cont.
24	---	GOLD FLAME SPIREA - <i>Spiraea bumalda</i> 'Gold Flame'	# 3 cont.
10	---	NEON FLASH SPIREA - <i>Spiraea bumalda</i> 'Neon Flash'	# 3 cont.
30	---	EVERLOW YEW - <i>Taxus media</i> 'Everlow'	24" spd. B/B
4	---	LEATHERLEAF VIBURNUM - <i>Viburnum rhytidophyloides</i> 'Allegheny'	4' ht. B/B
9	---	DWARF FOUNTAIN GRASS - <i>Pennisetum alopecuroides</i> 'Hameln'	# 3 cont.
PERENNIALS			
50	---	BRIDAL VEIL ASTILBE - <i>Astilbe x arendsii</i> 'Bridal Veil'	# 1 cont.
---	6	SHASTA DAISY - <i>Chrysanthemum x superbum</i>	# 2 cont.
7	---	ELEGANS HOSTA - <i>Hosta sieboldiana</i> 'Elegans'	# 1 cont.
6	---	PATRIOT HOSTA - <i>Hosta x 'Patnot'</i>	# 1 cont.
32	---	FERN - <i>Matteuccia struthiopteris</i>	# 1 cont.
40	---	PARDON ME RED DAYLILIES - <i>Hemerocallis x 'Pardon Me'</i>	# 1 cont.
18	---	CORAL BELLS - <i>Heuchera micrantha</i> 'Palace Purple'	# 1 cont.
150	---	MYRTLE - <i>Vinca minor</i>	2-1/4" ppl flats

A8 SITE LANDSCAPE PLAN
 SCALE: 1"=30'

A1 PLANT MATERIALS LIST



NOTE:
SEED (OR SOD WHERE NOTED ON PLANS) ALL DISTURBED
LAWN AREAS WITHIN PROJECT LIMITS. REFER TO CIVIL
DRAWINGS FOR REQUIREMENTS AND EXTENT OF WORK.
FIELD VERIFY EXTENT WITH ARCHITECT'S REPRESENTATIVE.

LANDSCAPE ARCHITECT:
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yellowspringsdesign@gmail.com
LICENSED IN: OH, KY, PA, IN, IL, MO,
MI, VA, TX, OK, KS, IA, AZ, CO, NM & UT

No.	Event Center & Site related Revisions / Submissions	Date

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712 East Main Street Richmond, IN 47374 765.966.3546

Benham's Grove City of Centerville
CLIENT BUILDING

Benham's Grove Event Center
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BASE BID LANDSCAPE PLANS		
Comm. No.	22627.00	Date 2023-09-11
Drawn	REB	Drawing No. L002
Checked	REB	

NAME: ROGER E. BEAL
REGISTRATION NO.: LA 8100433
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A1 LANDSCAPE DETAIL PLAN
SCALE: 1" = 10'



NOTE:
SEED (OR SOD WHERE NOTED ON PLANS) ALL DISTURBED
LAWY AREAS WITHIN PROJECT LIMITS. REFER TO CIVIL
DRAWINGS FOR REQUIREMENTS AND EXTENT OF WORK.
FIELD VERIFY EXTENT WITH ARCHITECT'S REPRESENTATIVE.

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MI, VA, TX, OK, KS, IA, AZ, CO, NM & UT

1	Form Center © Site in Field	2023-11-21
No.	Revisions / Submittals	Date

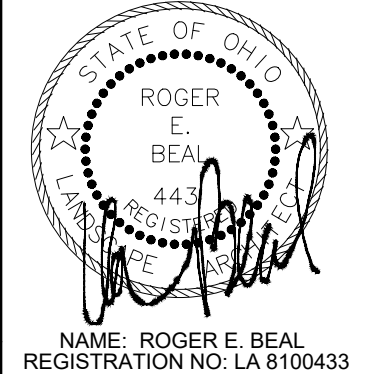
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Benham's Grove City of Centerville
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**PARKING LOT ALTERNATE
LANDSCAPE PLAN**

Comm. No.	22627.00	Date	2023-09-11
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Checked	REB		

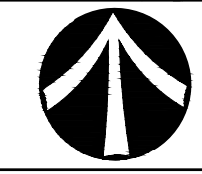


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REGISTRATION NO: LA 8100433

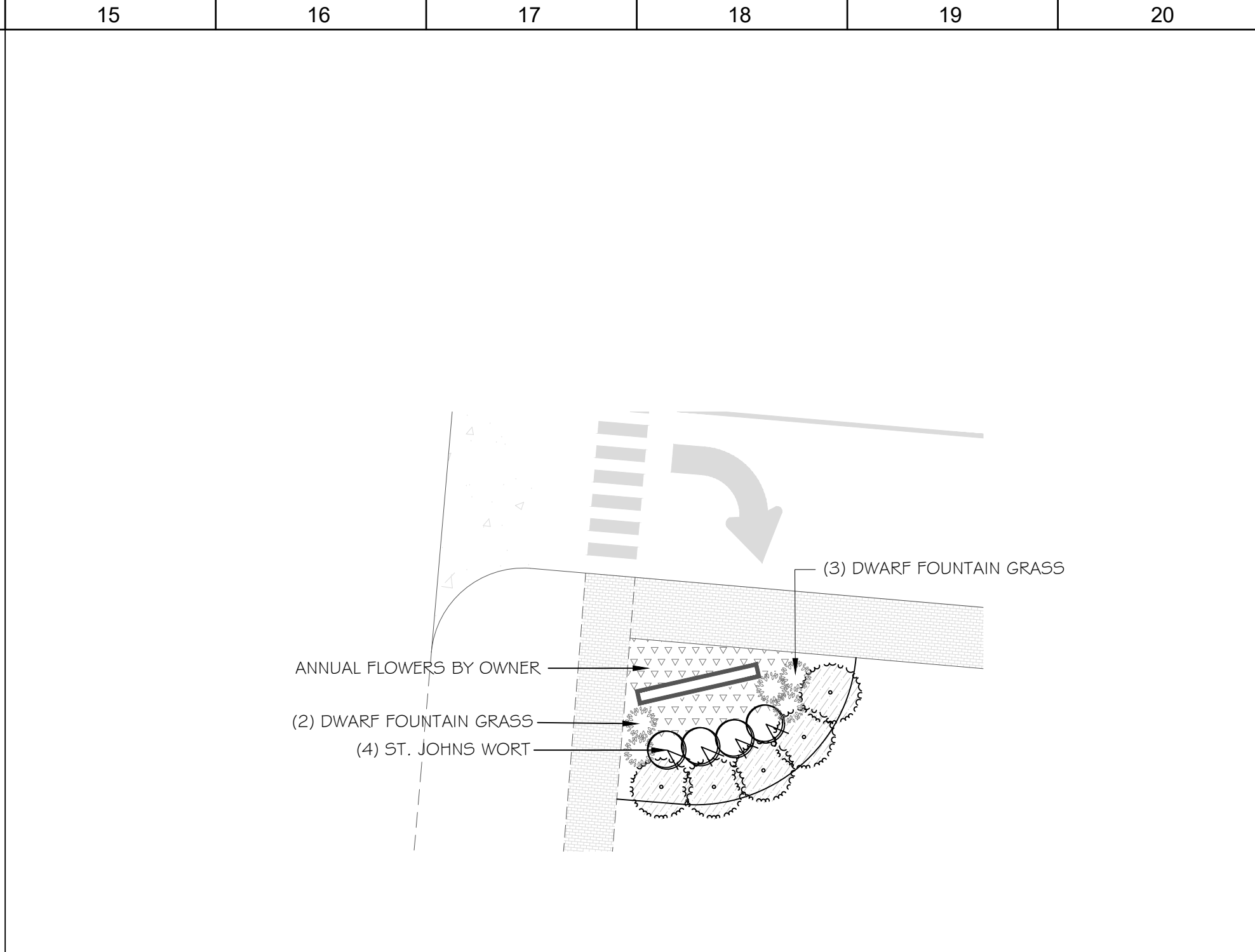
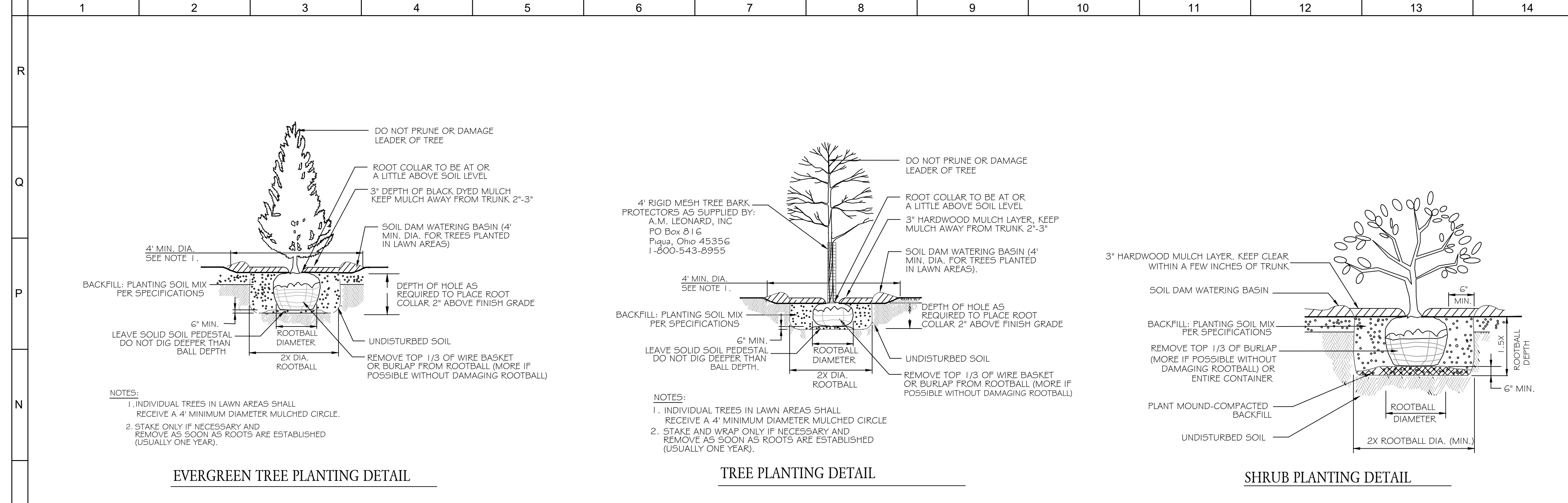
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A1 LANDSCAPE DETAIL PLAN

SCALE: 1" = 10'

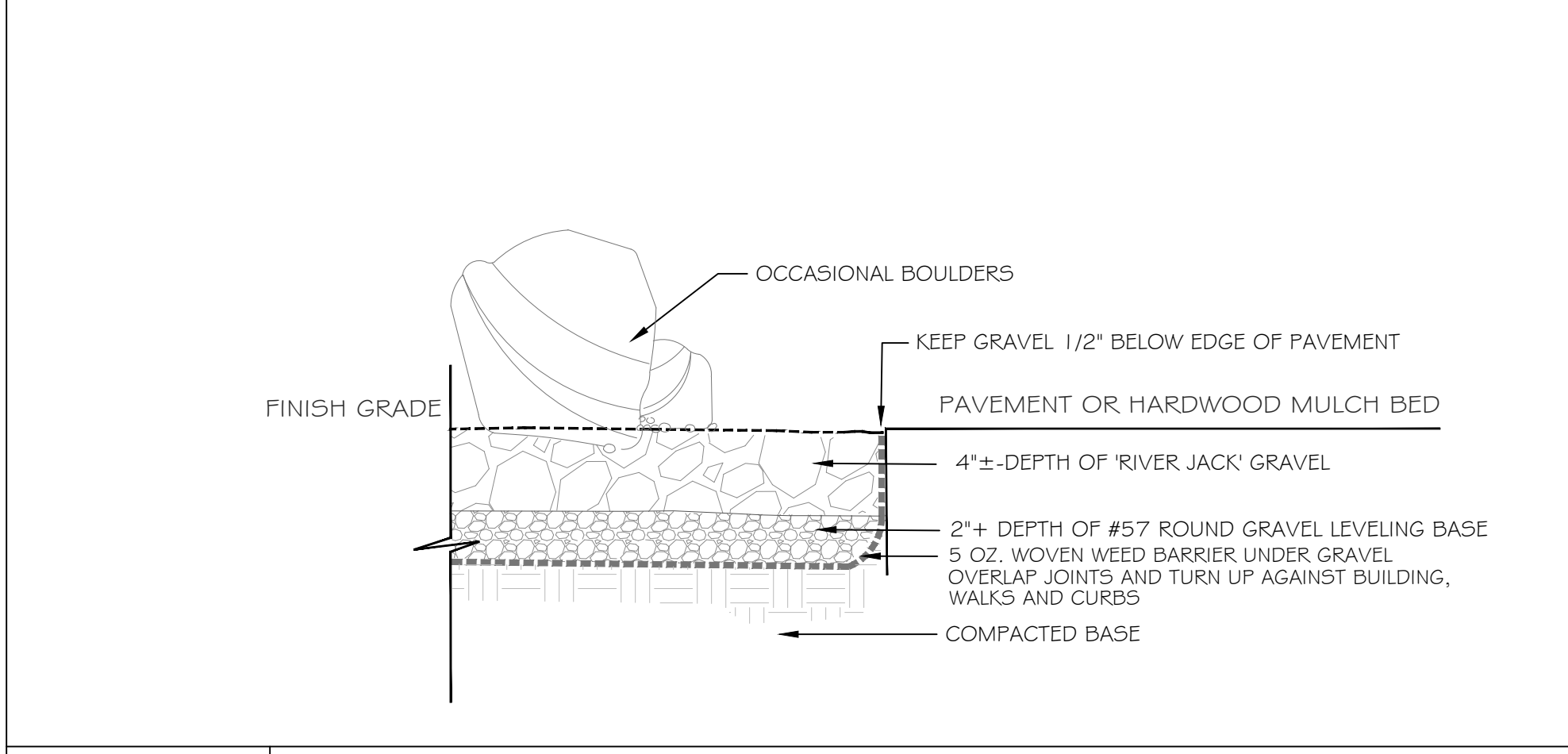
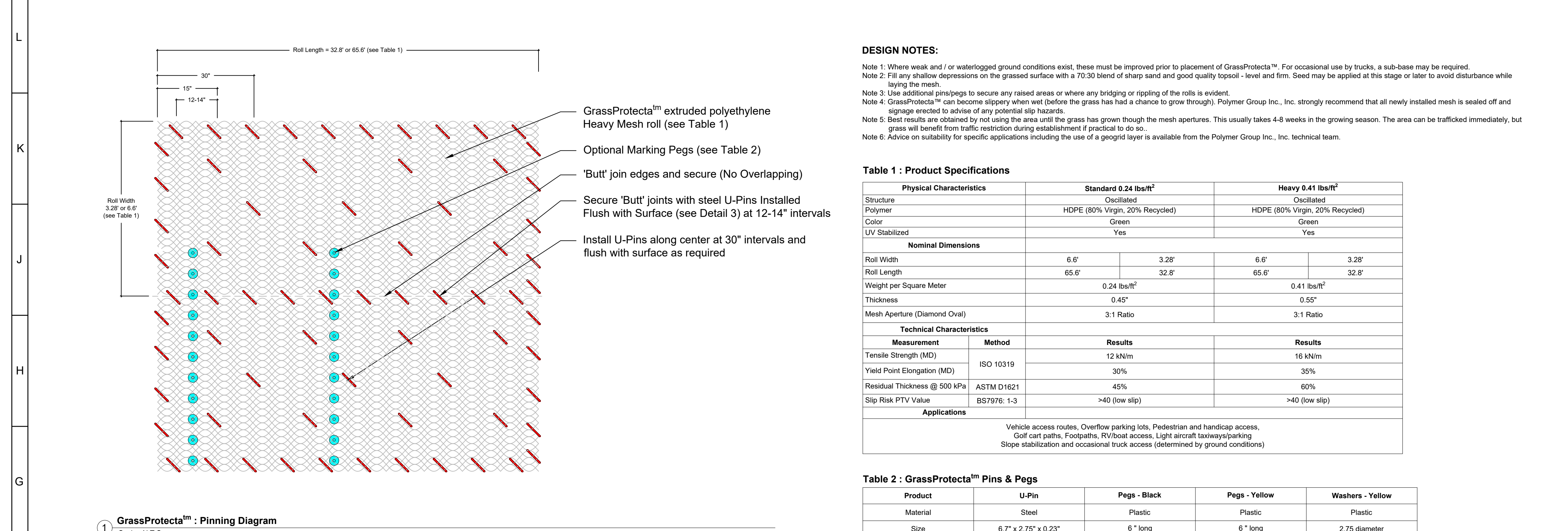


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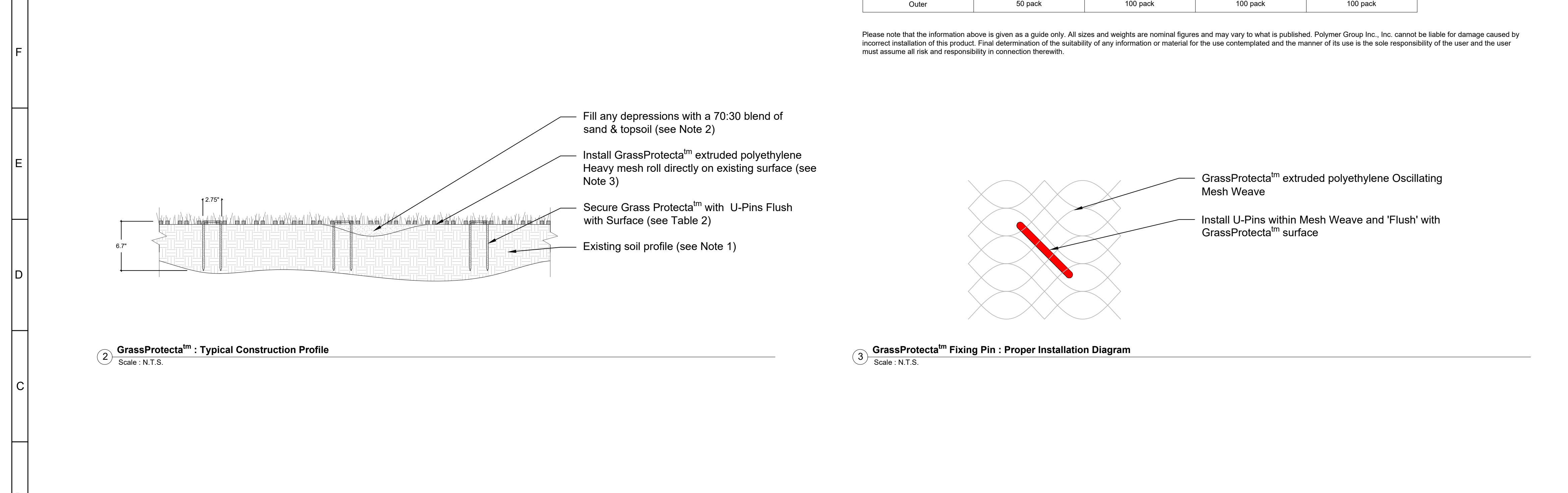


M1 LANDSCAPE INSTALLATION DETAILS

M15 ENTRY SIGN LANDSCAPE DETAIL PLAN



H15 RIVERROCK BED DETAIL - SECTION



NTS

TYPAR Geosynthetics
70 Old Hickory Blvd. Old Hickory, TN 37138
Toll-Free: 1-800-541-5519
e-mail: geosales@pgimv.com
website: www.typargeosynthetics.com

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GrassProtecta™ Standard & Heavy
Specification, Design & Installation Guide

A1 SEATING AREA TURF REINFORCEMENT DETAILS

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No.	Revision / Submission	Date
1	Event Center @ Site rBld	2023-11-21

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Benham's Grove City of Centerville
CLIENT BUILDING

Benham's Grove Event Center
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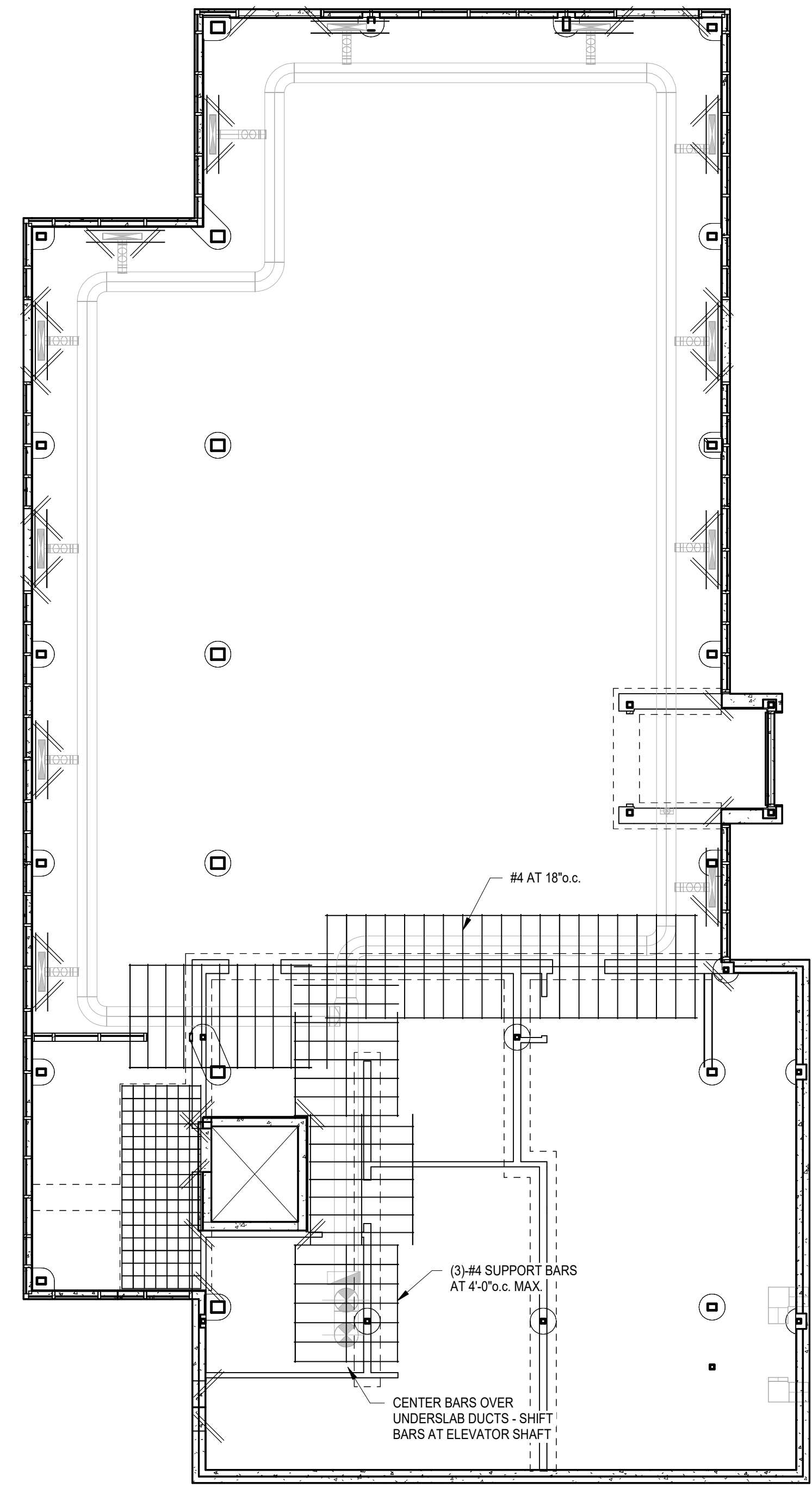
LANDSCAPE DETAILS

Comm. No.	Date
22627.00	2023-09-11

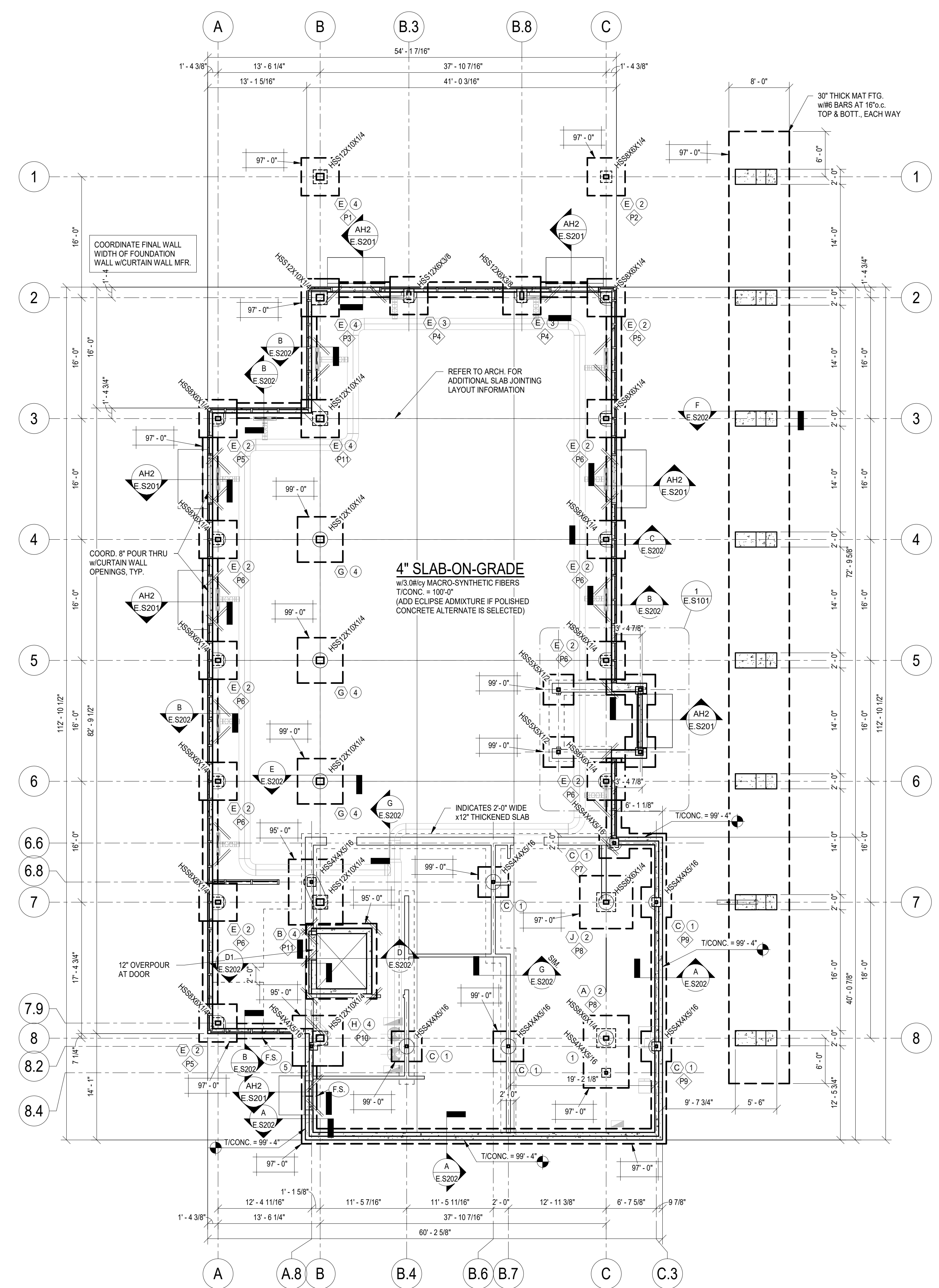
Drawn	Drawing No.
REB	L004
REB	

NAME: ROGER E. BEAL
REGISTRATION NO.: LA 8100433
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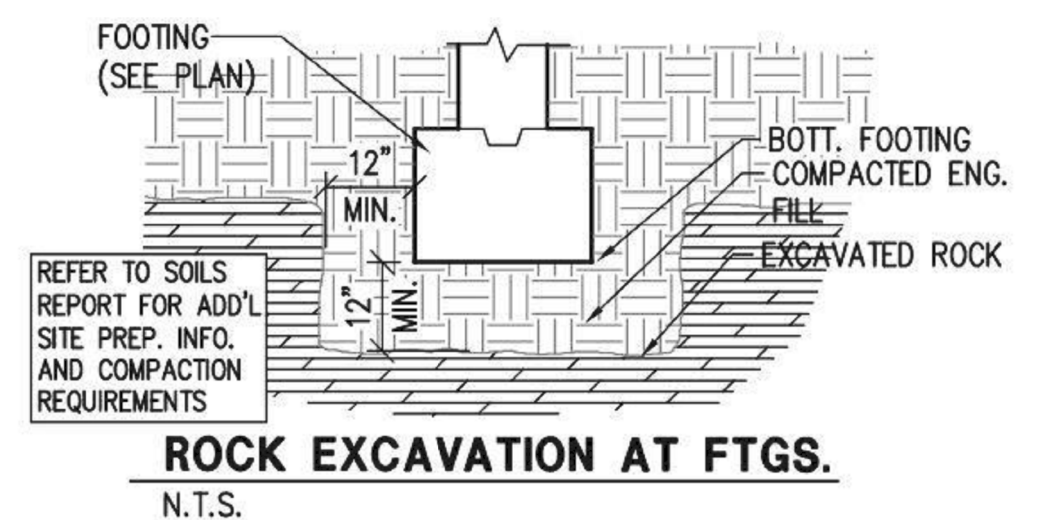
SLAB REINF. PLAN
1/8" = 1'-0"



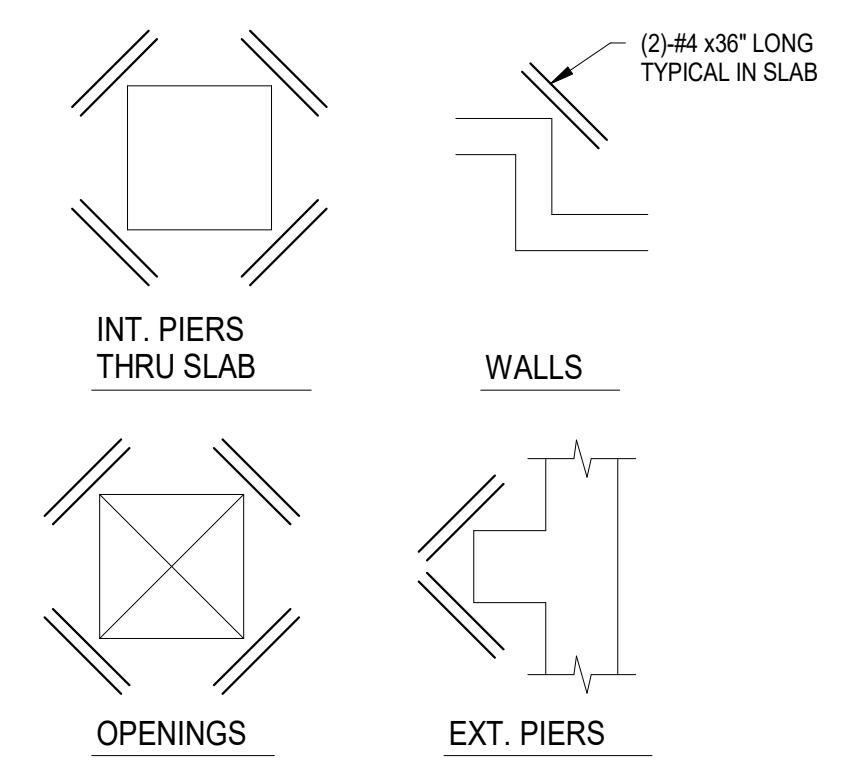
FOUNDATION PLAN
1/8" = 1'-0"

FOOTING SCHEDULE			
MARK	SIZE	REINFORCING	NOTES
A	9'-7 1/2" x 16'	#6 AT 12" o.c. E.W.	
B	8'-8 1/2" x 16'	#5 AT 12" o.c. E.W.	
C	4'-0" SQ. x 12"	(4) - #5 E.W.	
D	4'-8" SQ. x 12"	(4) - #5 E.W.	
E	5'-0" SQ. x 14"	(5) - #5 E.W.	
F	5'-8" SQ. x 15"	(6) - #5 E.W.	
G	6'-0" SQ. x 16"	(7) - #5 E.W.	
H	6'-8" SQ. x 17"	(8) - #5 E.W.	
J	7'-0" SQ. x 18"	(9) - #5 E.W.	
K	7'-8" SQ. x 20"	(8) - #6 E.W.	

Footnote: Allowable Soil Bearing Capacity = 3000 PSF

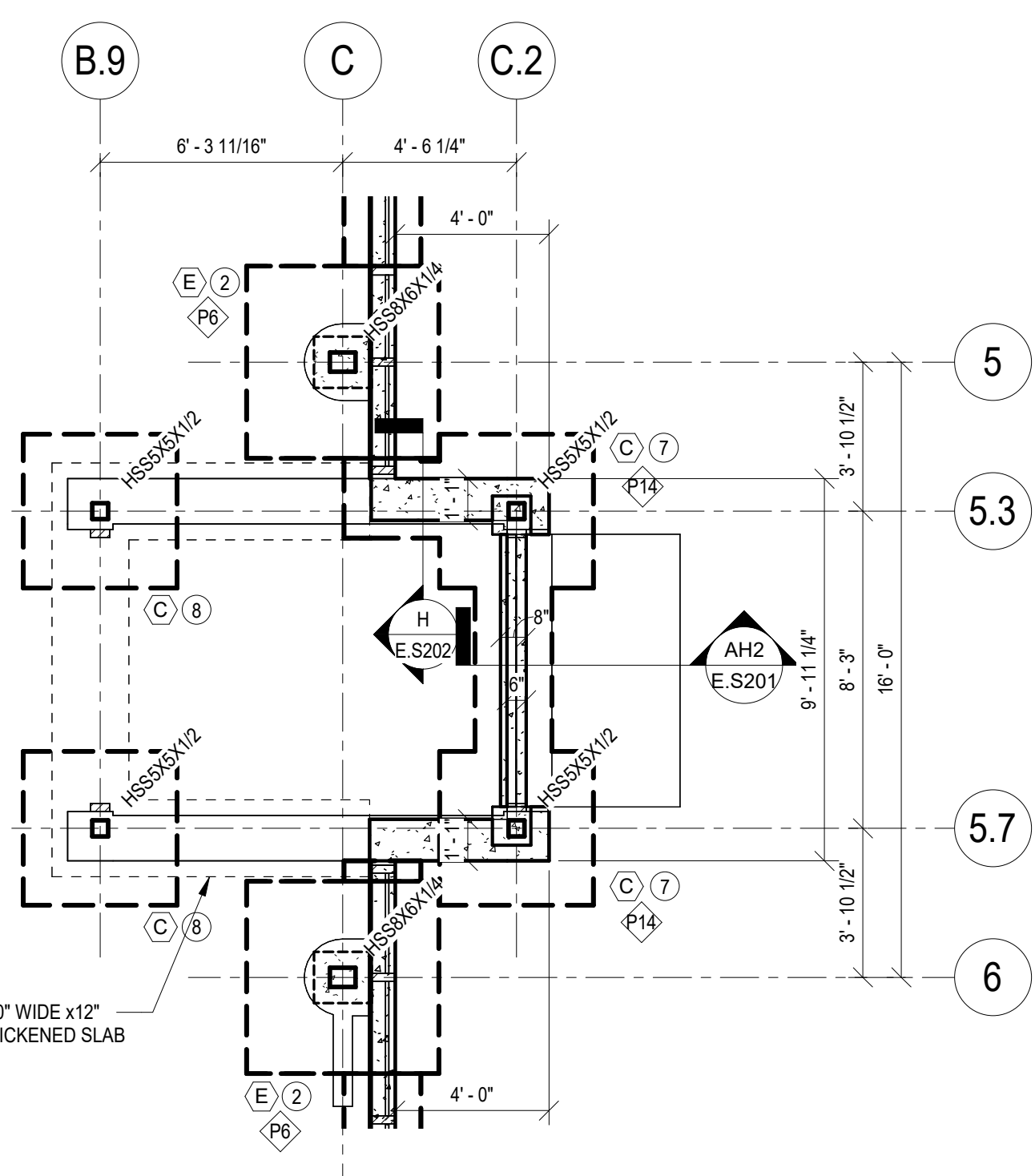


ROCK EXCAVATION AT FTGS.
N.T.S.

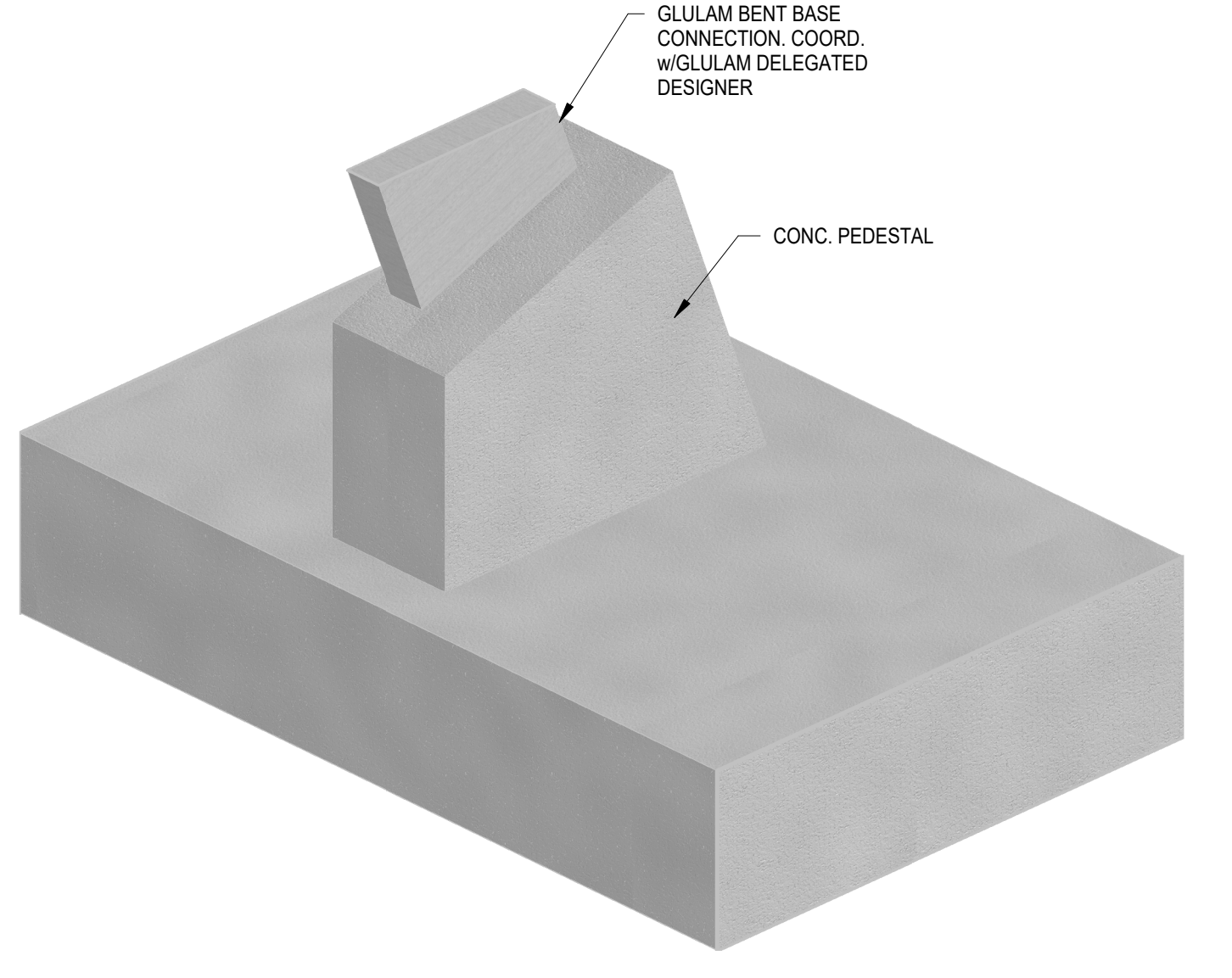


SLAB REINFORCING DETAILS AT REENTRANT CORNERS
N.T.S.

SHELL + MEYER ASSOCIATES INC.
STRUCTURAL ENGINEERS
2202 S PATTERSON BLVD
DAYTON, OH 45409-1930
PH: 937.293.4651
EMAIL: @SHELLANDMEYER.COM



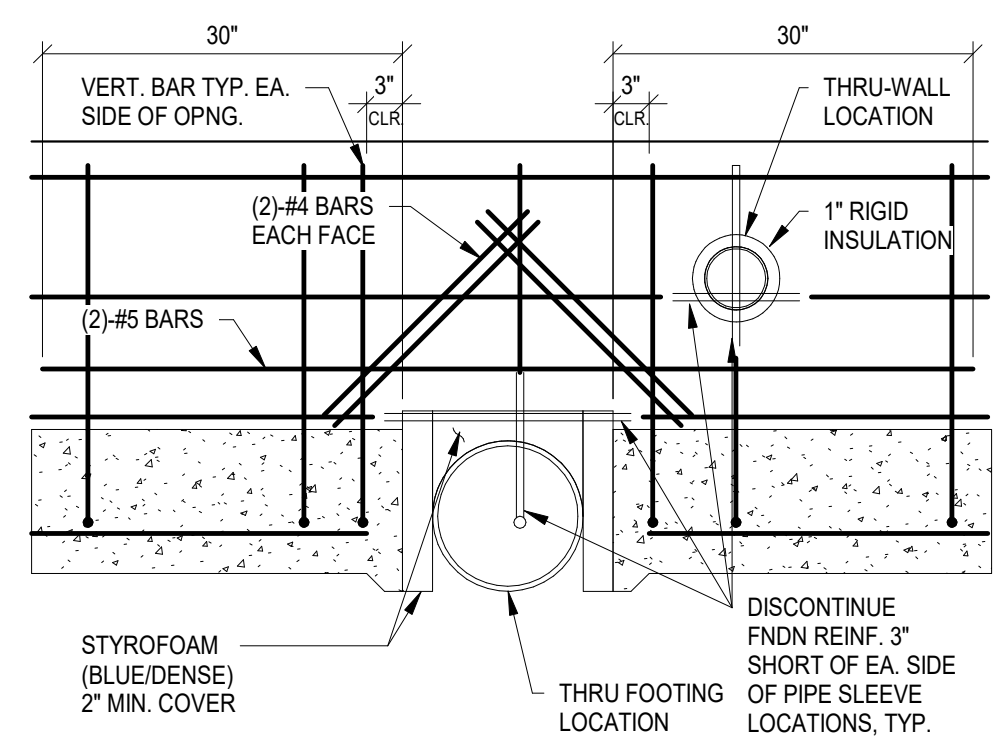
1 ENLARGED VESTIBULE - FOUNDATION
1/4" = 1'-0"



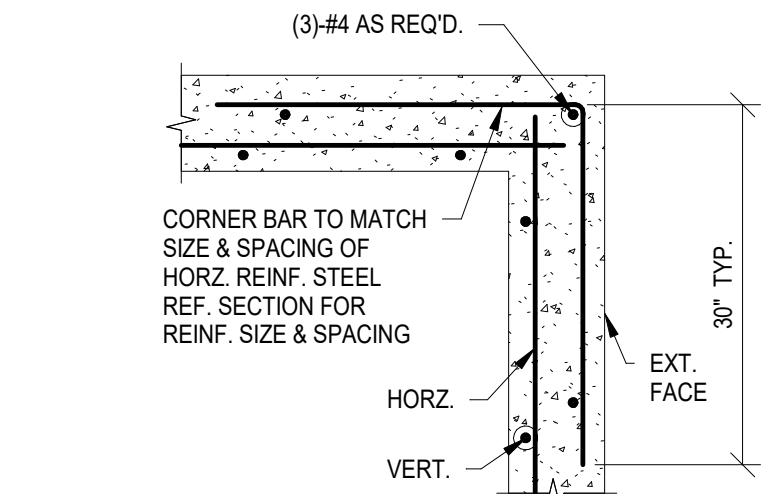
GLULAM FOOTING

EVENT CENTER & SITE REBID		2023-11-21
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434 East First Street Dayton, OH 45402 937.223.6500 712 East Main Street Richmond, IN 47374 765.966.3546		
Benham's Grove City of Centerville CLIENT BUILDING		
Benham's Grove Event Center		
166 N MAIN ST, CENTERVILLE, OH 45459		
FOUNDATION PLAN		
Comm. No.	Date	
22627.00	2023-09-20	
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JEY	E.S101	
Checked		
CRM		

11/17/2023 11:16:48 AM



F10 TYPICAL PIPE SLEEVE AT FOUNDATION
SCALE: NTS



F2 TYPICAL CORNER BAR DETAIL
SCALE: NTS

CASE	LOCATION	BAR SIZE	COVER (in.)
A	Concrete cast against and permanently exposed to earth	ALL SIZES	3"
B	Concrete exposed to earth or weather	#5 & Smaller	1 1/2"
		#6 thru #18	2"
C	Concrete NOT exposed to weather or in contact with earth		
	Walls, Slabs (0.1 or 1.5 hr)	#11 & Smaller	3/4"

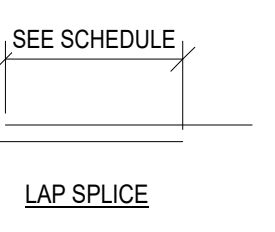
1 - All foundations cast against earth without using formwork shall use CASE 'A' for reinforcement clearances.

C2 CONCRETE REINFORCING COVER
SCALE: NTS

MINIMUM LAP SPLICE SCHEDULE

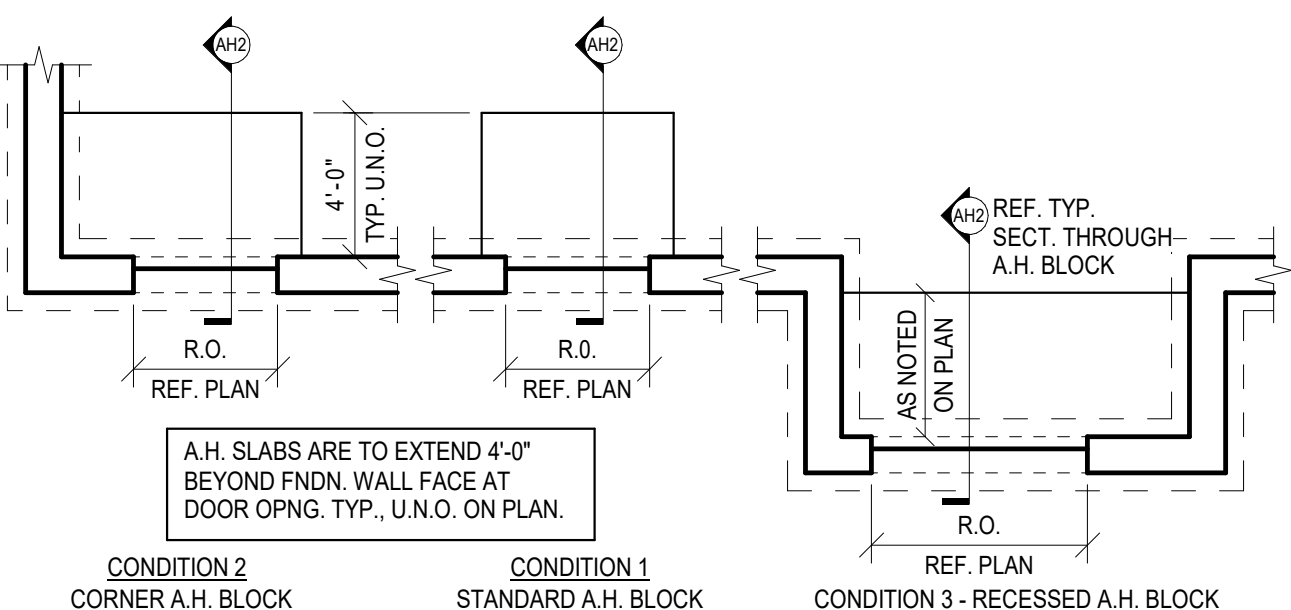
BAR SIZE	LAP LENGTH ^{1,2}
#3	24"
#4	32"
#5	40"
#6	48"

1 - Increase Lap Length by 33% for Epoxy Coated Reinforcing or Lightweight Concrete
2 - Based on minimum $f_c = 4000$ psi

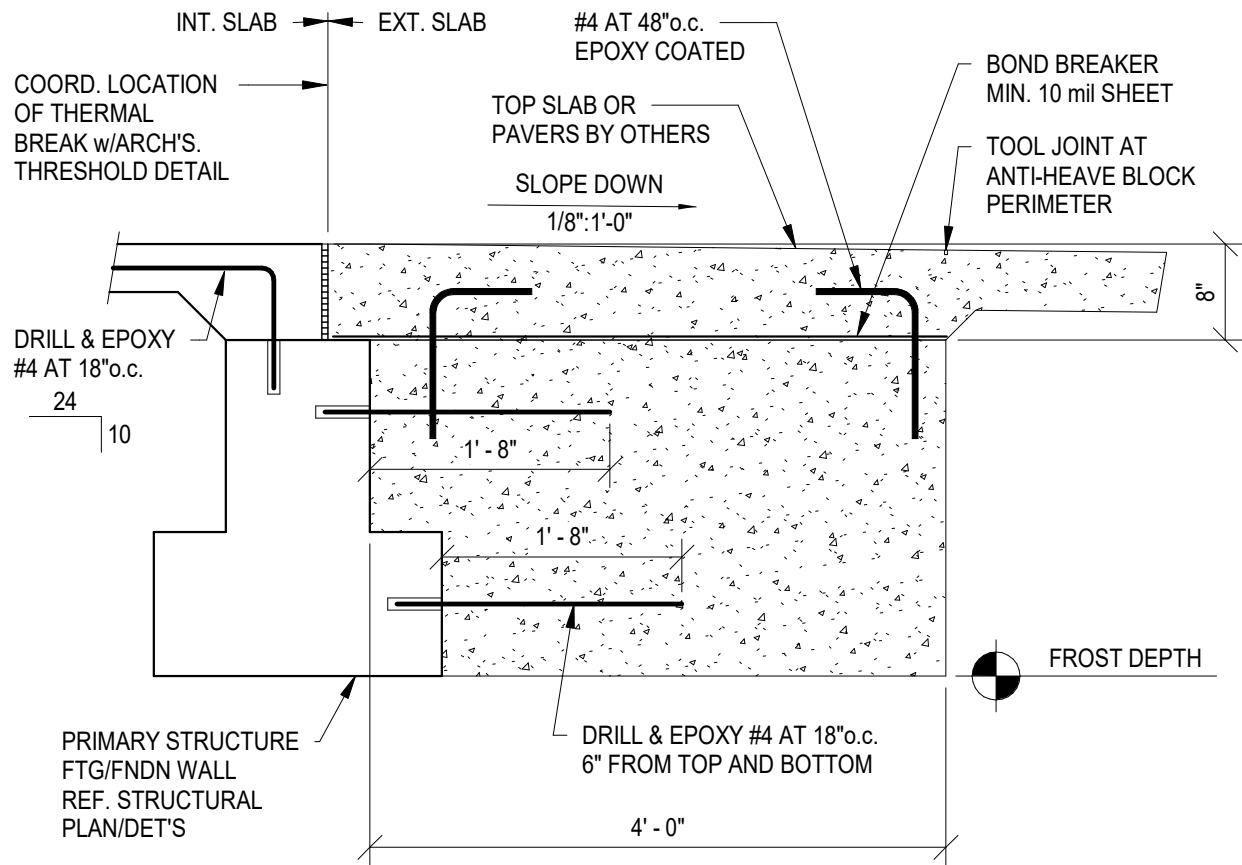


C1 CONCRETE REINFORCEMENT SPLICES
SCALE: NTS

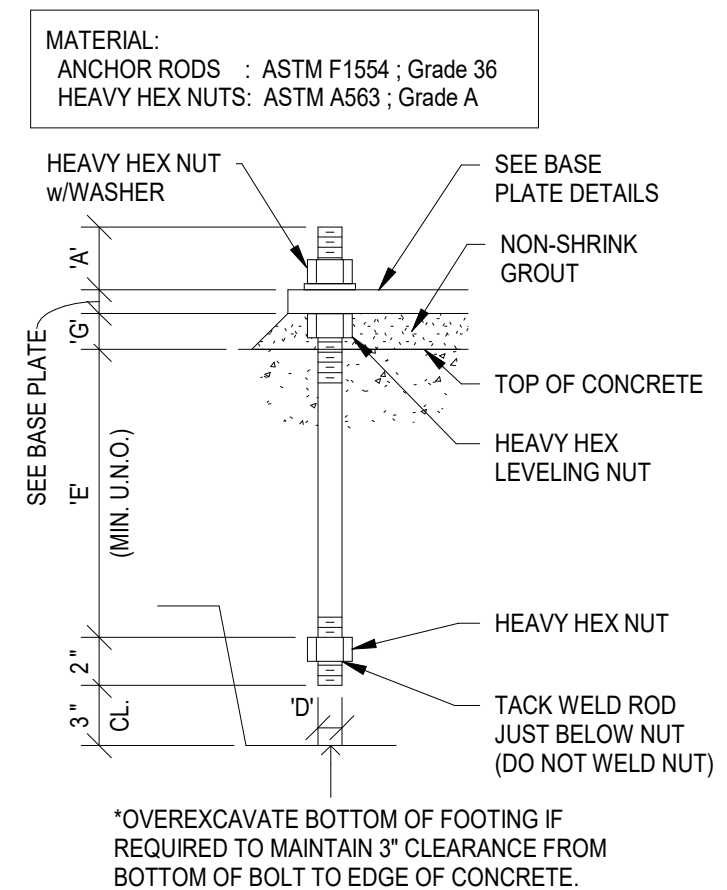
- DETAIL NOTES:
- ANTI-HEAVE BLOCKS TO BE USED AT ALL PRIMARY ENTRANCES AND EMERGENCY EXITS
 - REFERENCE ARCHITECTURAL AND SITE DRAWINGS FOR BLOCK WIDTHS
 - TOP OF ANTI-HEAVE BLOCK MAY BE HELD DOWN 8" MAX. TO ALLOW FOR PAVERS OR OTHER SITE SPECIFIED CONCRETE SLABS.
 - PLACE ANTI-HEAVE SEPARATELY. DRILL & EPOXY ALL HORIZONTAL ANTI-HEAVE FOUNDATION REINFORCING



AH TYPICAL ANTI-HEAVE BLOCK TYPES
SCALE: NTS

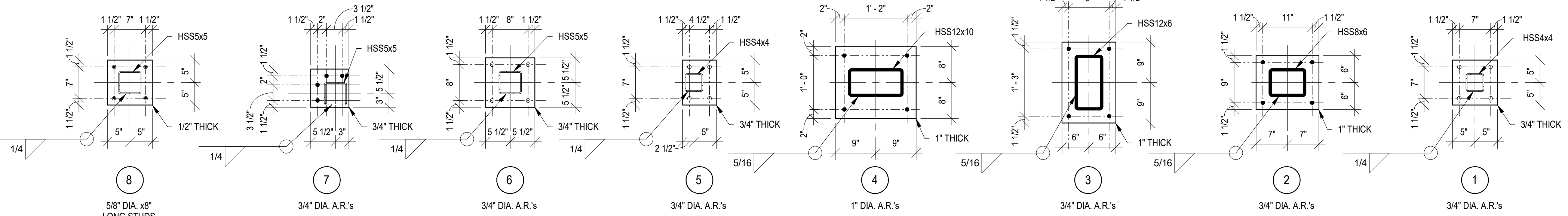


AH2 TYPICAL ANTI-HEAVE BLOCK
SCALE: 3/4" = 1'-0"

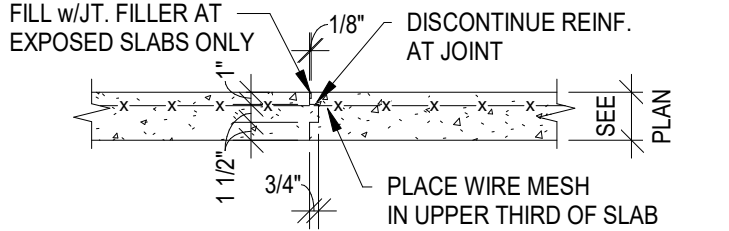


MARK	DIAMETER (inches)	'A' MIN.	'E'	'C'	MINIMUM CONCRETE THICKNESS*
AR-1	1/2	4"	7"	1"	12"
AR-2	5/8	4"	7"	1"	12"
AR-3	3/4	4"	9"	1-1/2"	14"
AR-4	7/8	4"	10-1/2"	1-1/2"	15-1/2"
AR-5	1	4"	12"	1-1/2"	17"
AR-6	1-1/4	5"	15"	2"	20"
AR-7	1-1/2	5"	18"	3"	23"

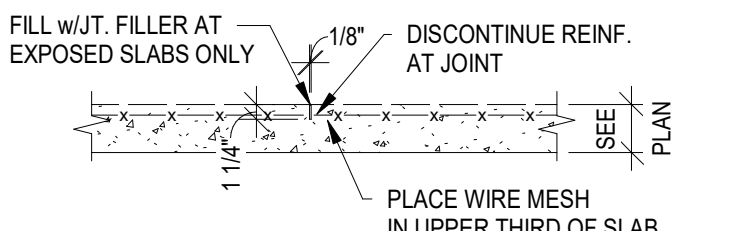
- SHIMS MAY BE USED IN LIEU OF LEVELING NUT
- ANCHOR ROD INSTALLER SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THREADS FROM DAMAGE AND ACCUMULATED CONCRETE DEBRIS.
- REFER TO SPECIFICATIONS FOR ADDITIONAL DESIGN FEES THAT MAY BE INCURRED BY THE CONTRACTOR IF ADDITIONAL SERVICES ARE REQUIRED TO CORRECT DAMAGED OR MISPLACED ANCHOR RODS.
- REJECTED ANCHORS MAY RESULT IN REPLACEMENT OF THE FOUNDATION WITH NEW ANCHOR RODS PER THE ORIGINAL DESIGN.
- GALVANIZE EXTERIOR EXPOSED ANCHOR RODS EITHER BY HOT-DIP GALVANIZING (ASTM A153) OR MECHANICAL GALVANIZING (ASTM B689). ALL THREADED COMPONENTS OF THE ANCHOR ROD ASSEMBLY MUST BE GALVANIZED BY THE SAME PROCESS.
- GALVANIZED ANCHOR RODS AND NUTS SHALL BE PURCHASED FROM THE SAME SUPPLIER AND SHIPPED PRE-ASSEMBLED.



BASE PLATES DETAILS
3/4" = 1'-0"

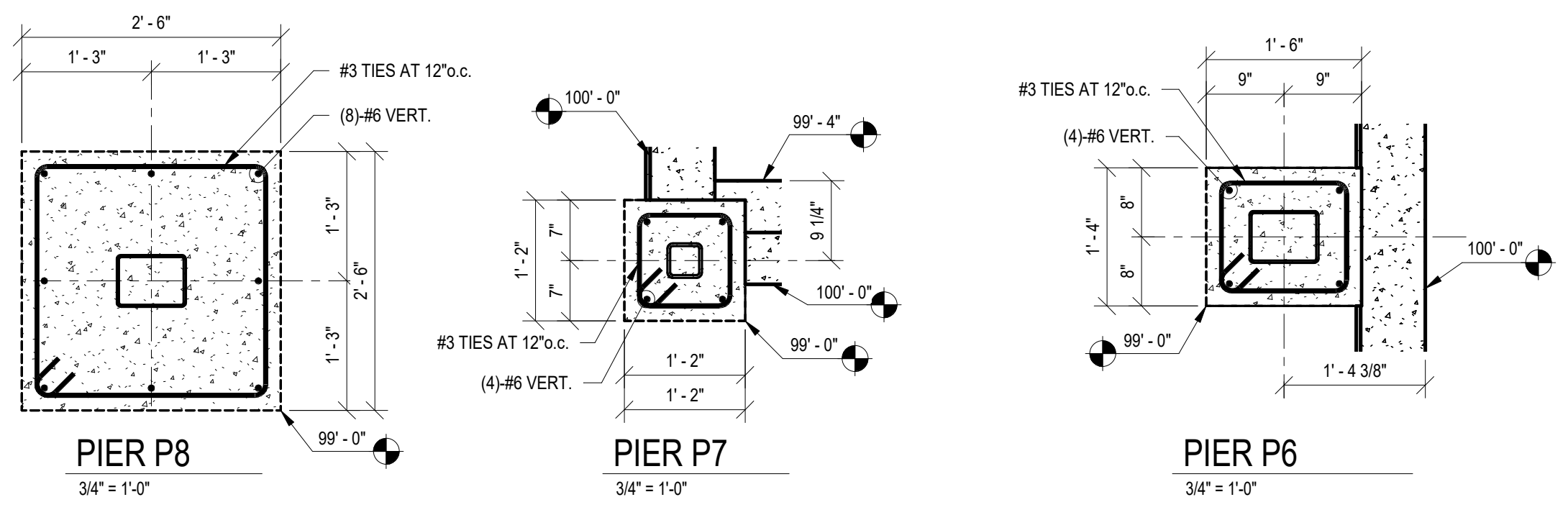
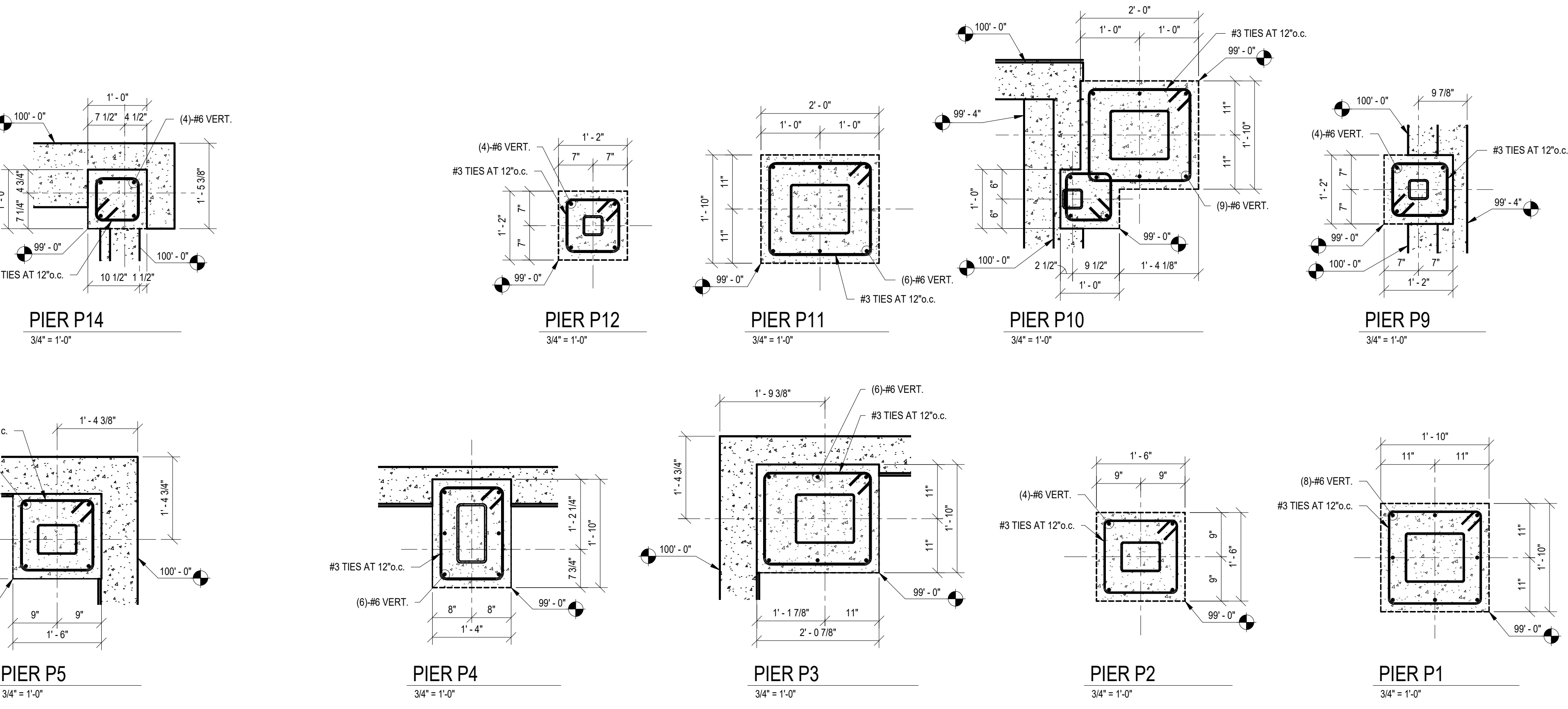
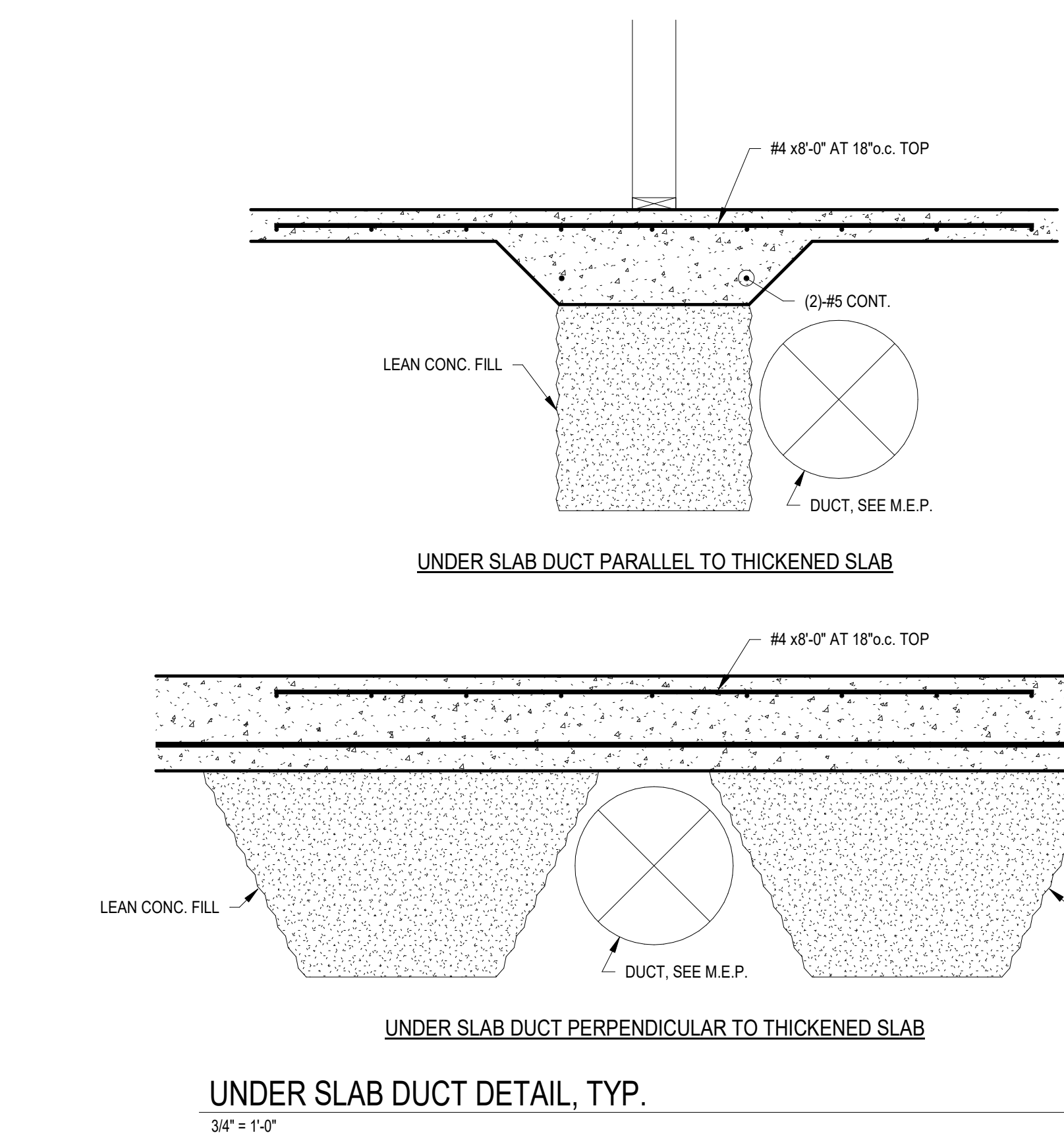


TYPICAL CONSTRUCTION JOINT DETAIL
N.T.S.



TYPICAL SAWED CONTROL JOINT DETAIL
N.T.S.

ANCHOR ROD SCHEDULE



No.	EVENT CENTER & SITE REBID	2023-11-21
	Revisions / Submissions	Date

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712 East Main Street Richmond, IN 47374 765.966.3546

Benham's Grove City of Centerville
CLIENT BUILDING

Benham's Grove Event Center
166 N MAIN ST, CENTERVILLE, OH 45459

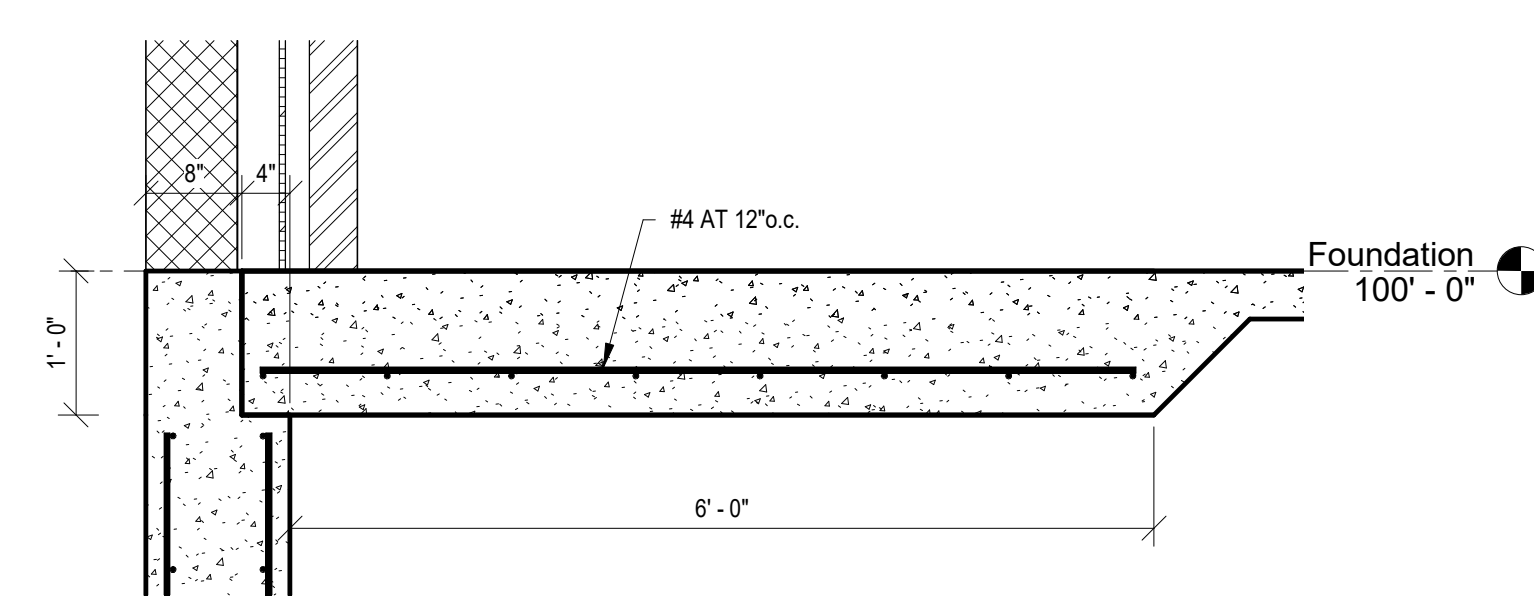
FOUNDATION SECTIONS

Comm. No.	Date	2023-09-20
22627.00		
Drawn	JEY	
Checked	CRM	
		E.S201

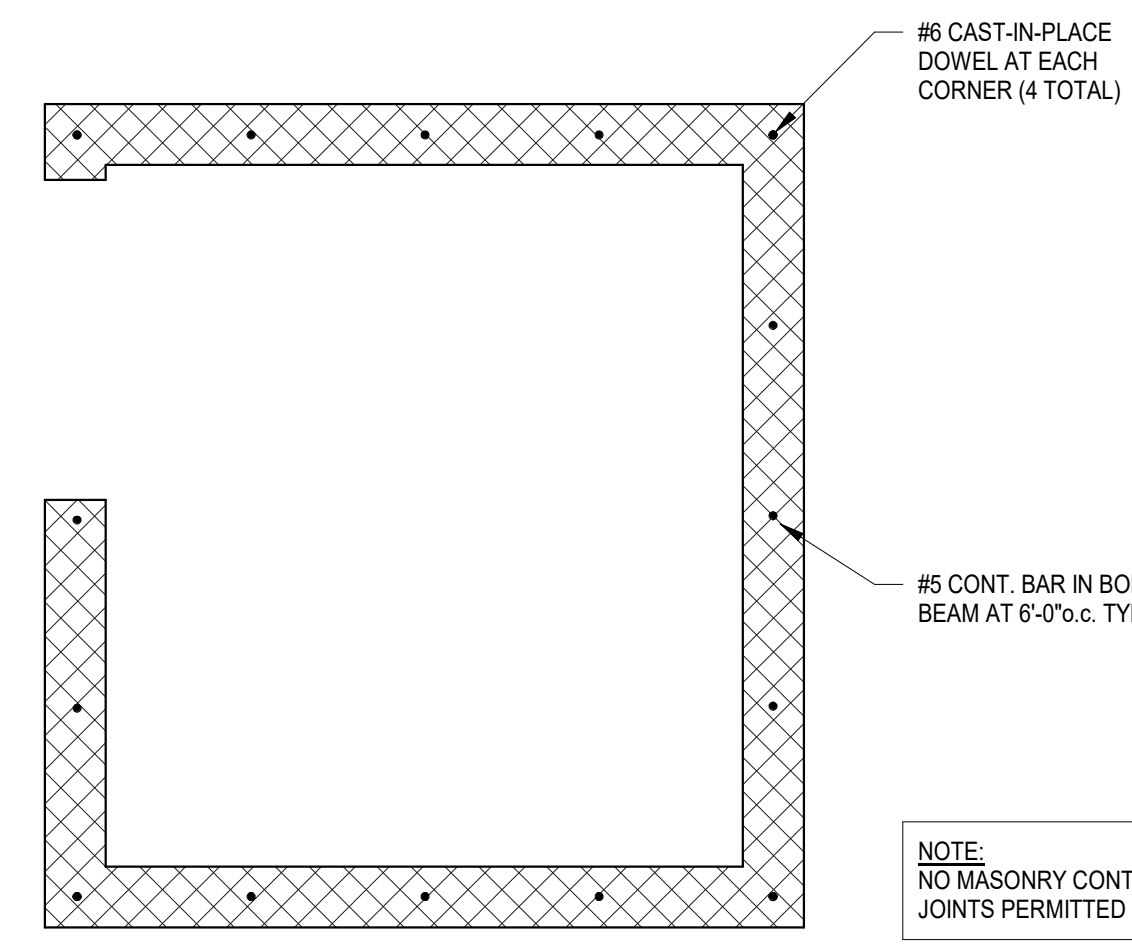
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ASSOCIATES INC
STRUCTURAL ENGINEERS
2202 S PATTERSON BLVD
DAYTON, OH 45409.1930
PH: 937.298.4621
EMAIL: @SHELLANDMEYER.COM



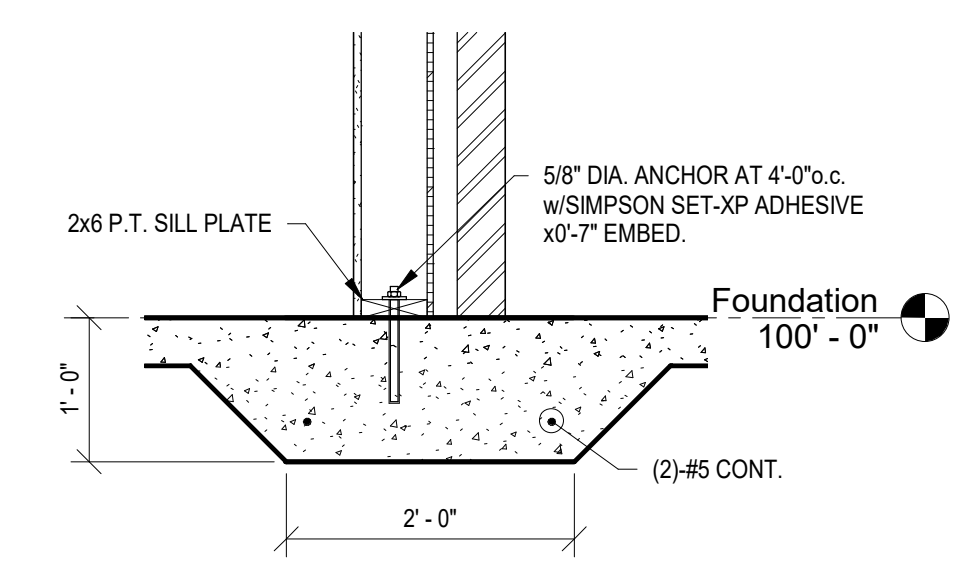
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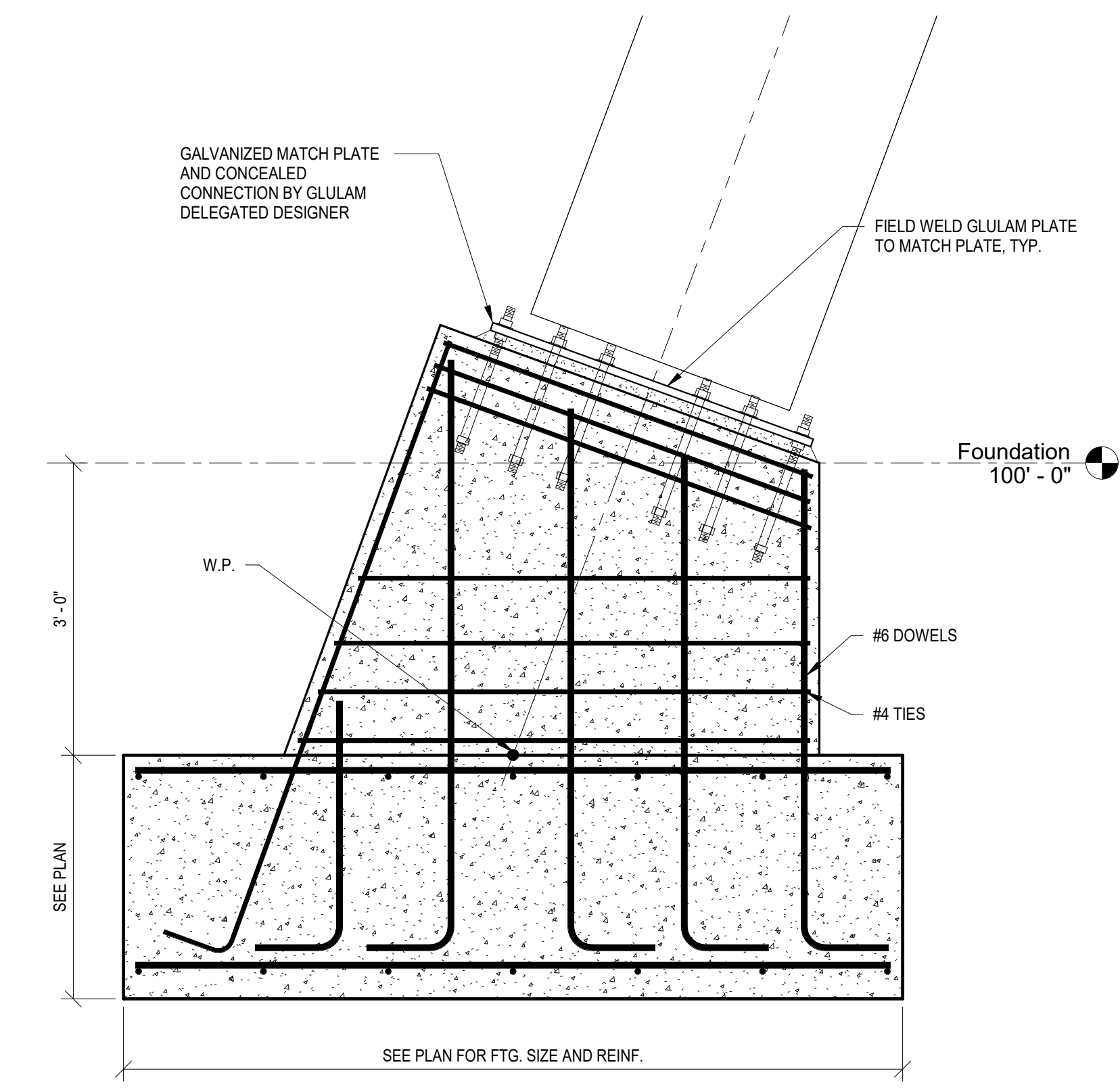
D1
E.S202
3/4" = 1'-0"



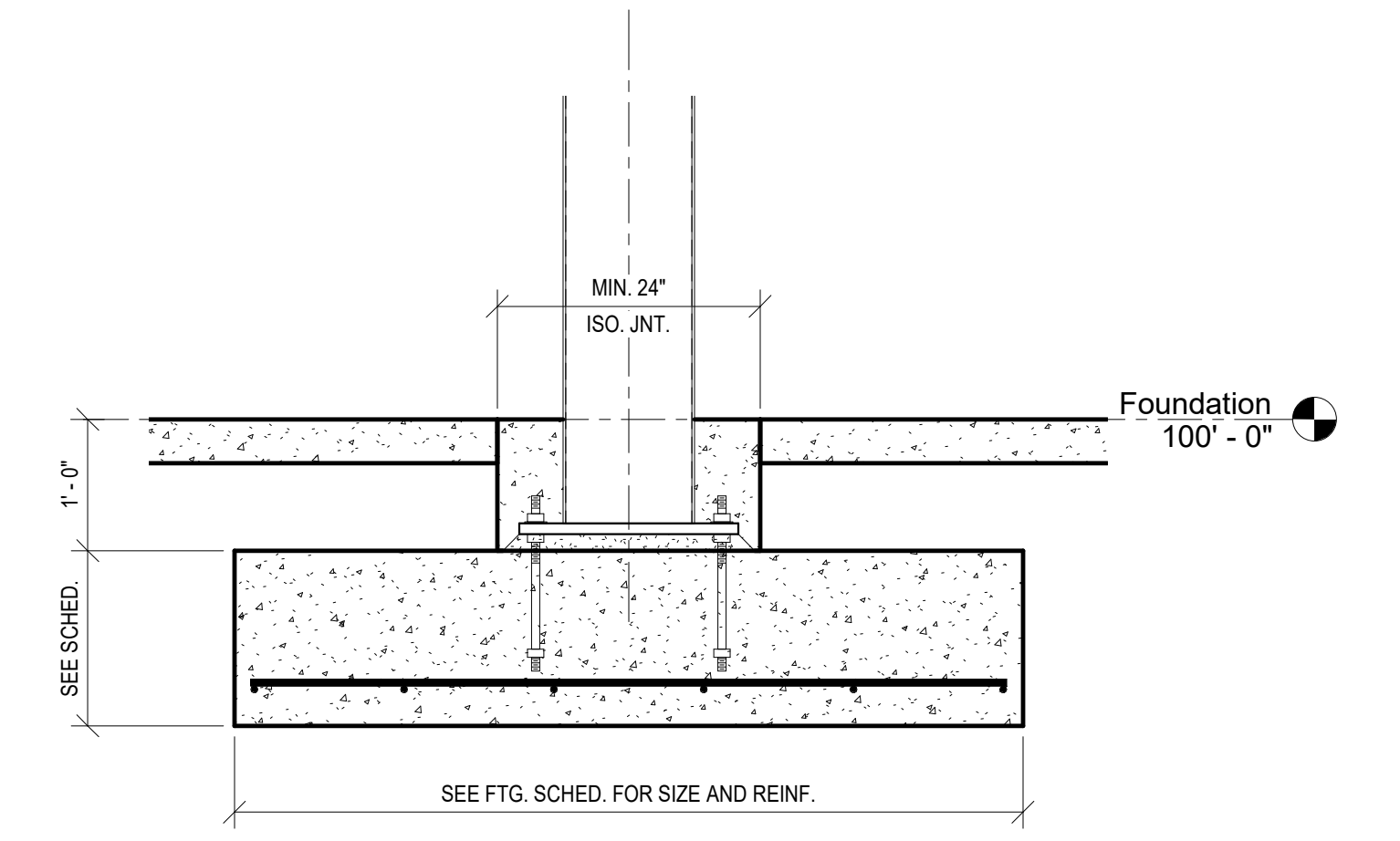
ELEVATOR CMU PLAN
1/2" = 1'-0"



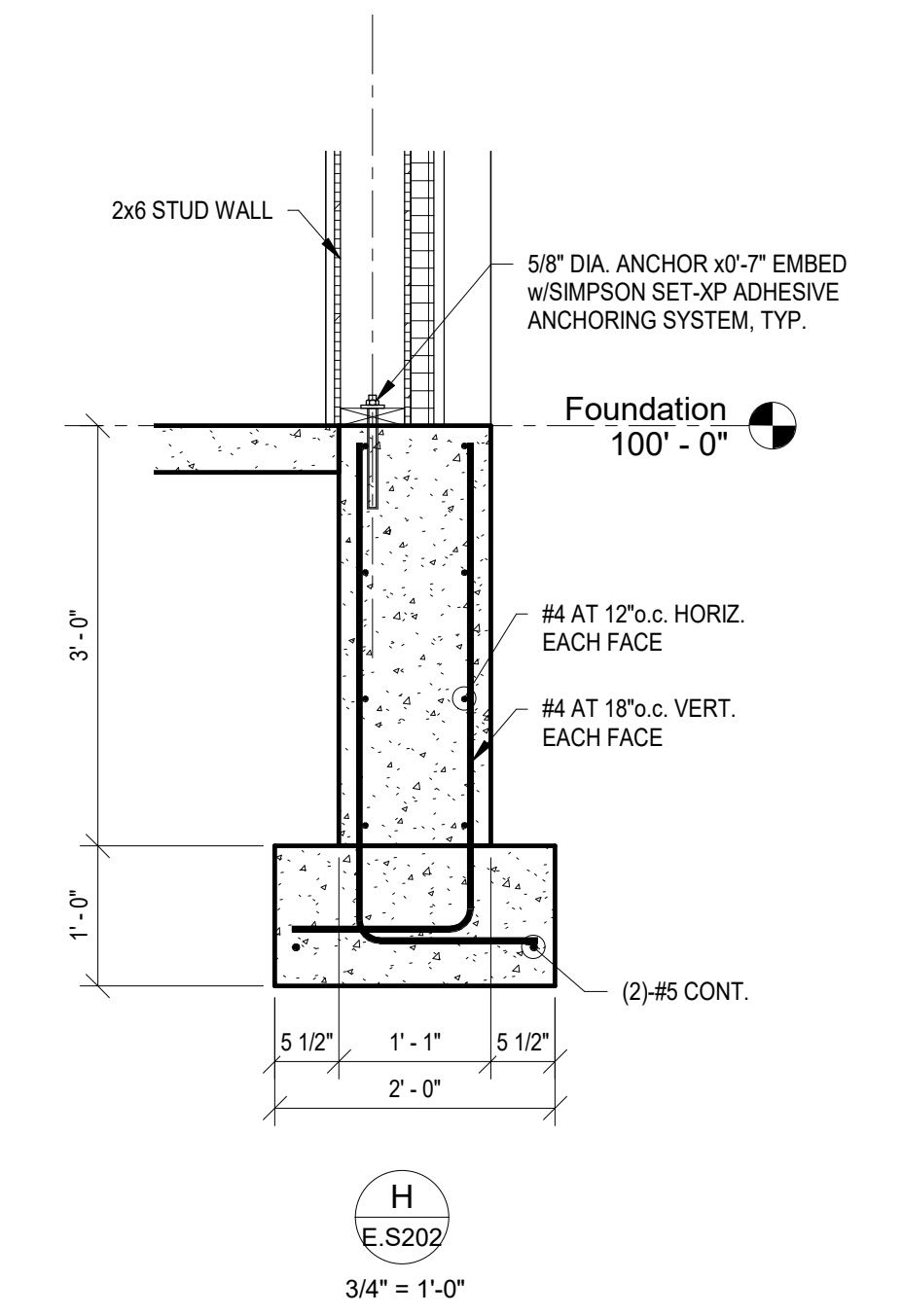
G
E.S202
3/4" = 1'-0"



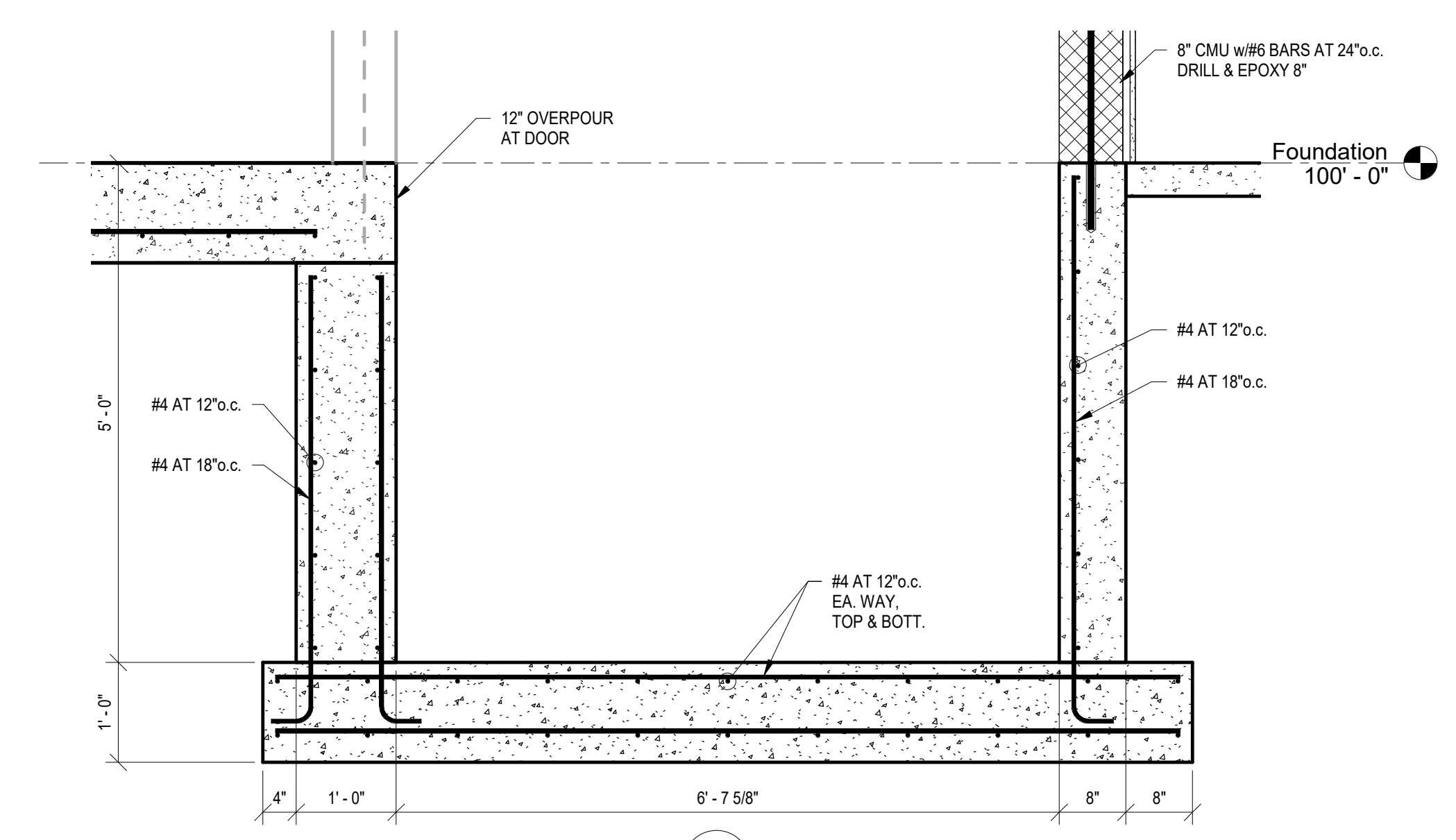
F
E.S202
3/4" = 1'-0"



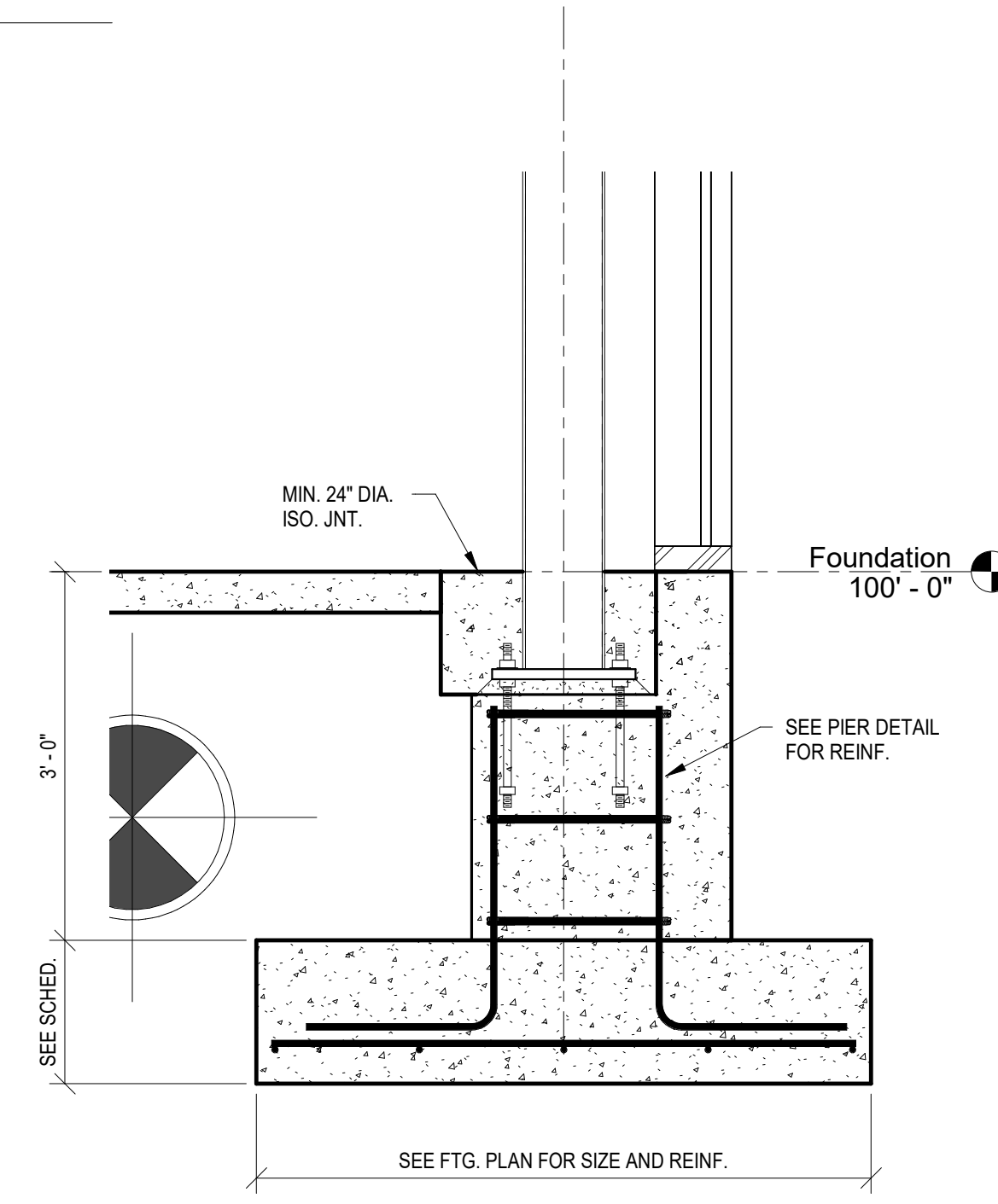
E
E.S202
3/4" = 1'-0"



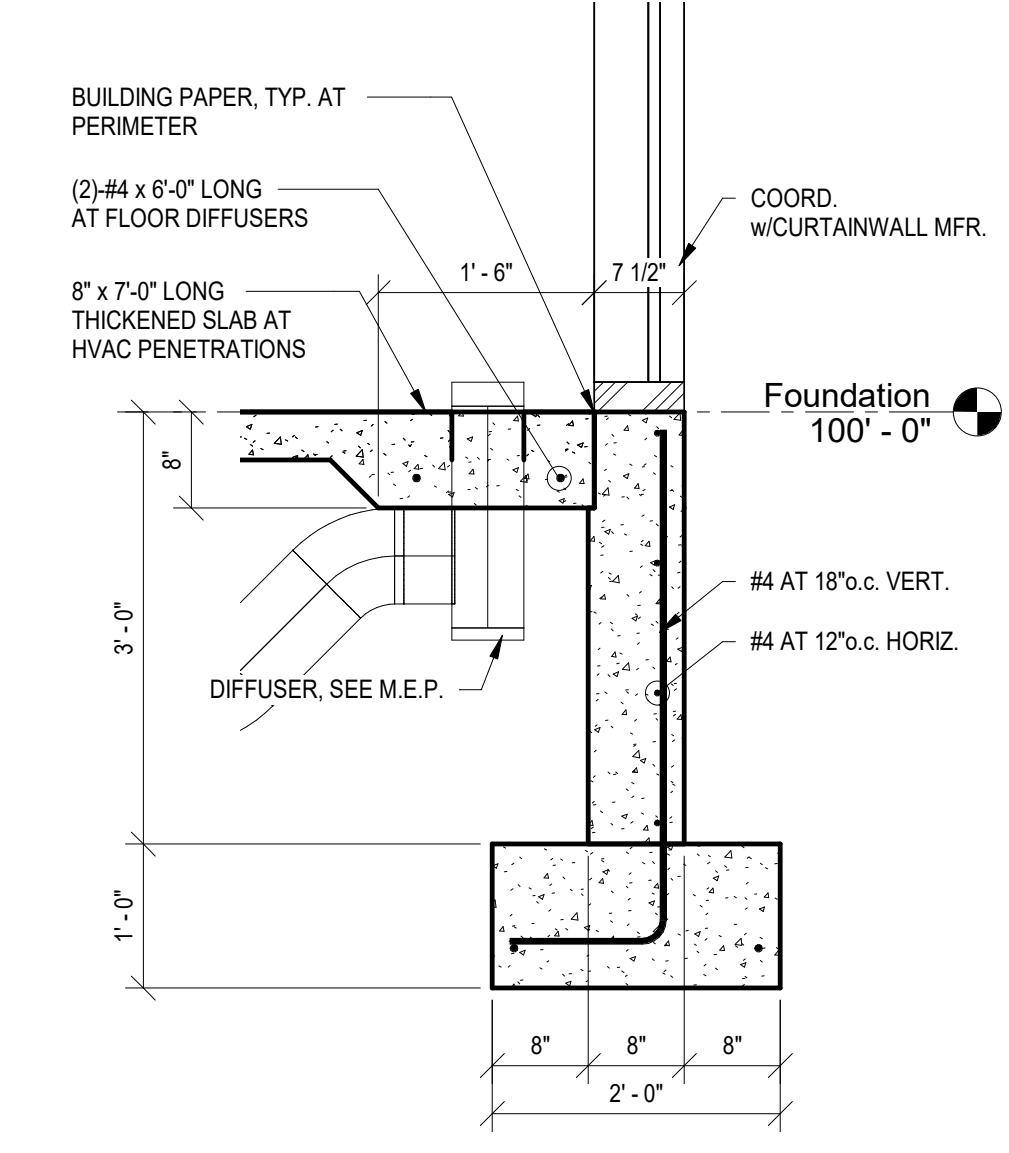
H
E.S202
3/4" = 1'-0"



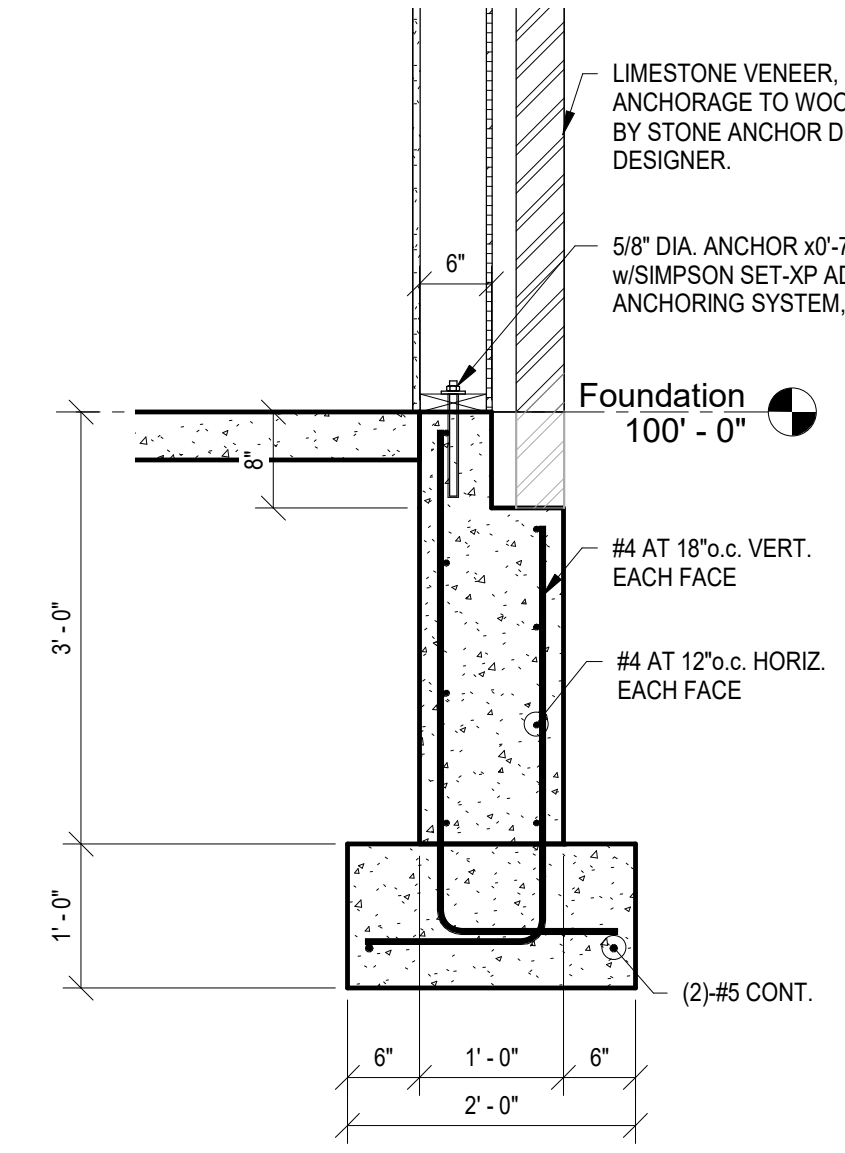
D
E.S202
3/4" = 1'-0"



C
E.S202
3/4" = 1'-0"



B
E.S202
3/4" = 1'-0"

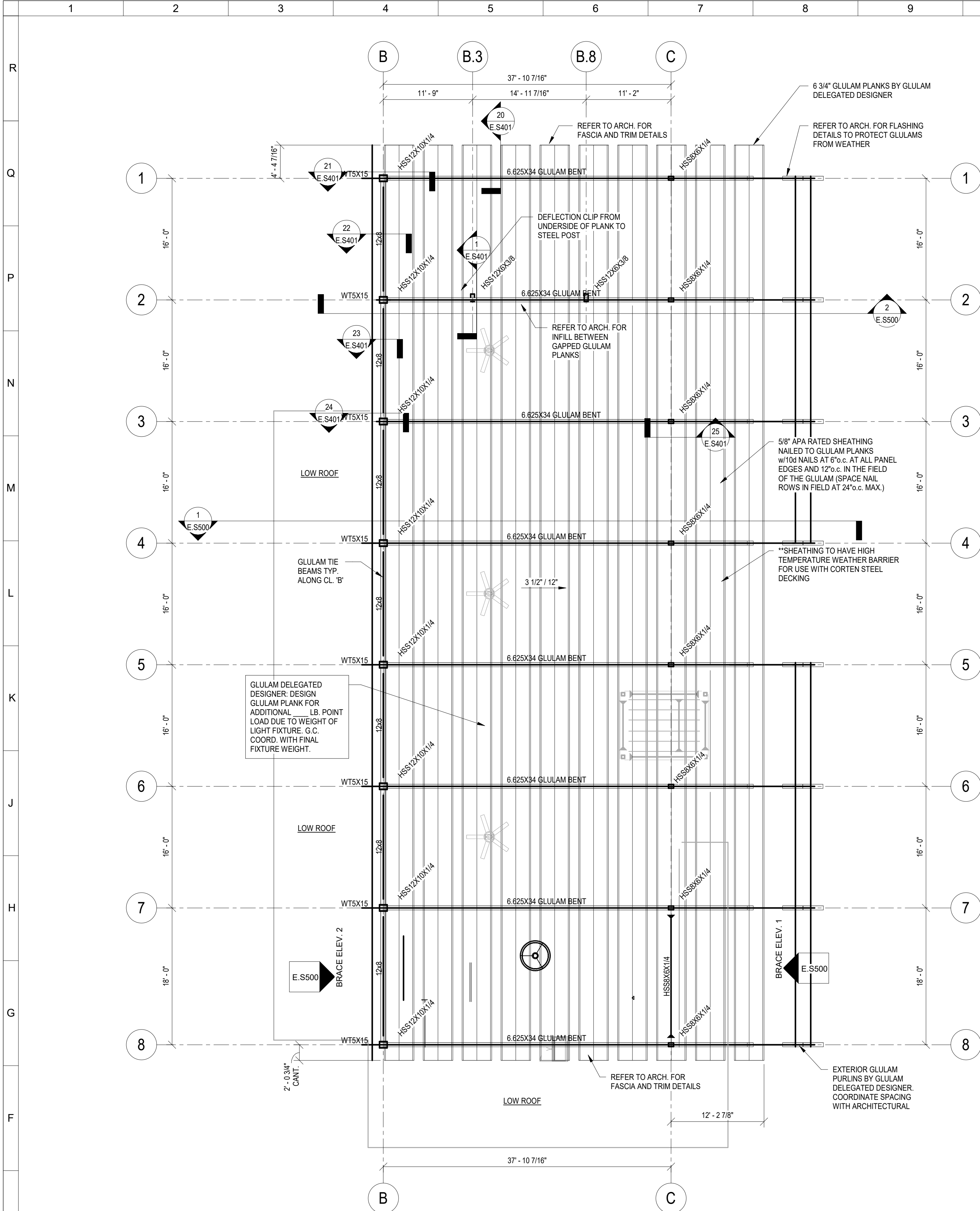


A
E.S202
3/4" = 1'-0"

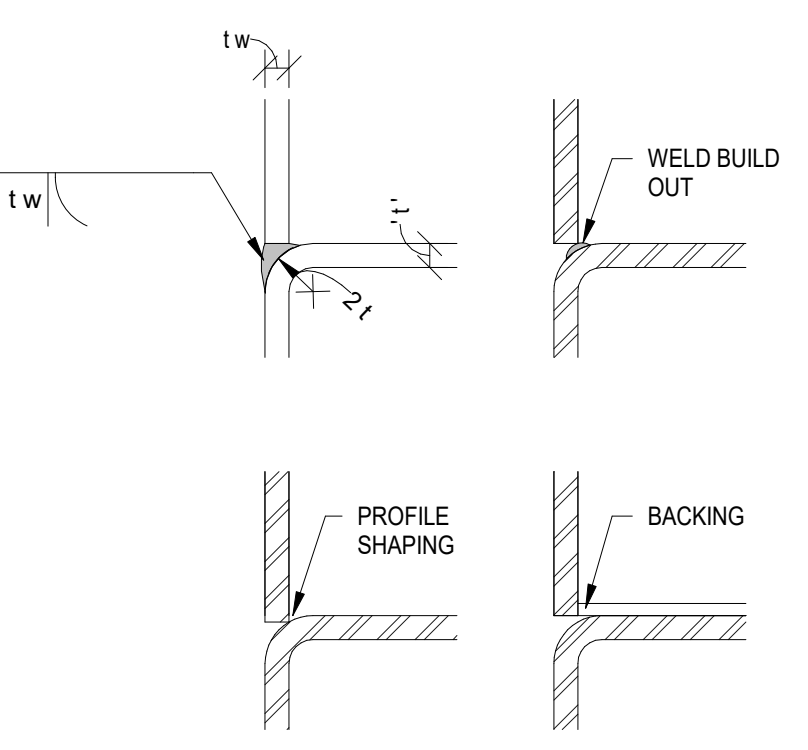
SHELL + MEYER ASSOCIATES INC.
STRUCTURAL ENGINEERS
2202 S PATTERSON BLVD
DAYTON, OH 45409-1930
PH: 937.298.4621
EMAIL: @SHELLANDMEYER.COM

EVENT CENTER & SITE REBID		2023-11-21
Revisions / Submissions		Date
<p>LWC INCORPORATED 434 East First Street Dayton, OH 45402 937.223.6500 712 East Main Street Richmond, IN 47374 765.966.3546</p>		
<p align="center">Benham's Grove City of Centerville CLIENT BUILDING</p> <p align="center">Benham's Grove Event Center</p> <p align="center">166 N MAIN ST, CENTERVILLE, OH 45459</p>		
<p align="center">FOUNDATION SECTIONS</p>		
Comm. No.	Date	
22627.00	2023-09-20	
Drawn	Checked	Drawing No.
JEY	CRM	E.S202
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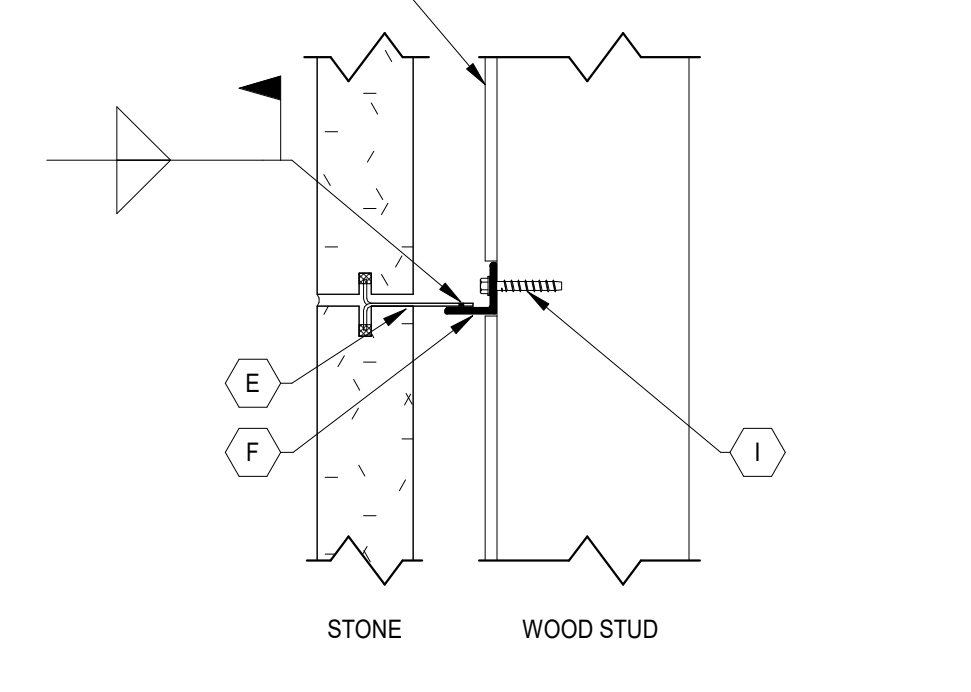
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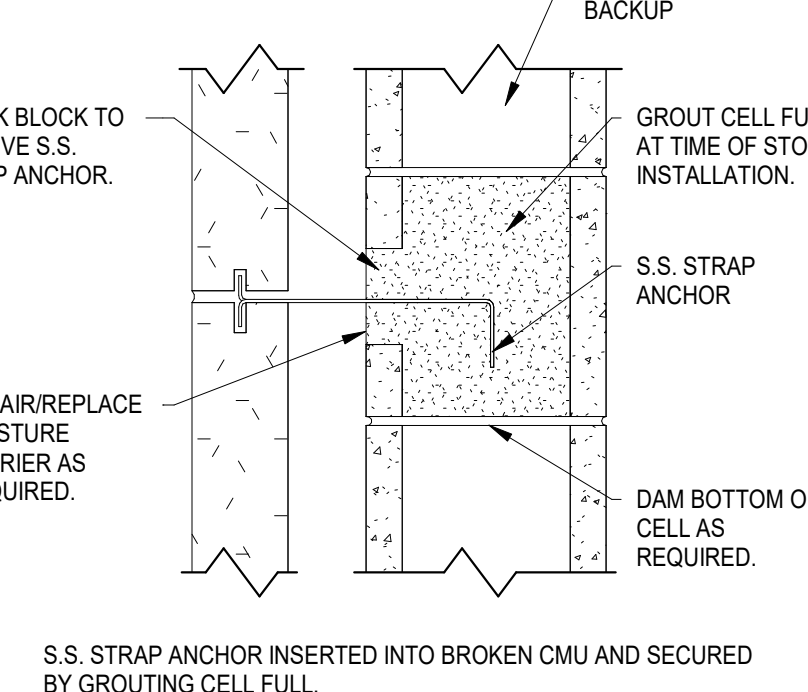
ROOF FRAMING PLAN
1/8" = 1'-0"



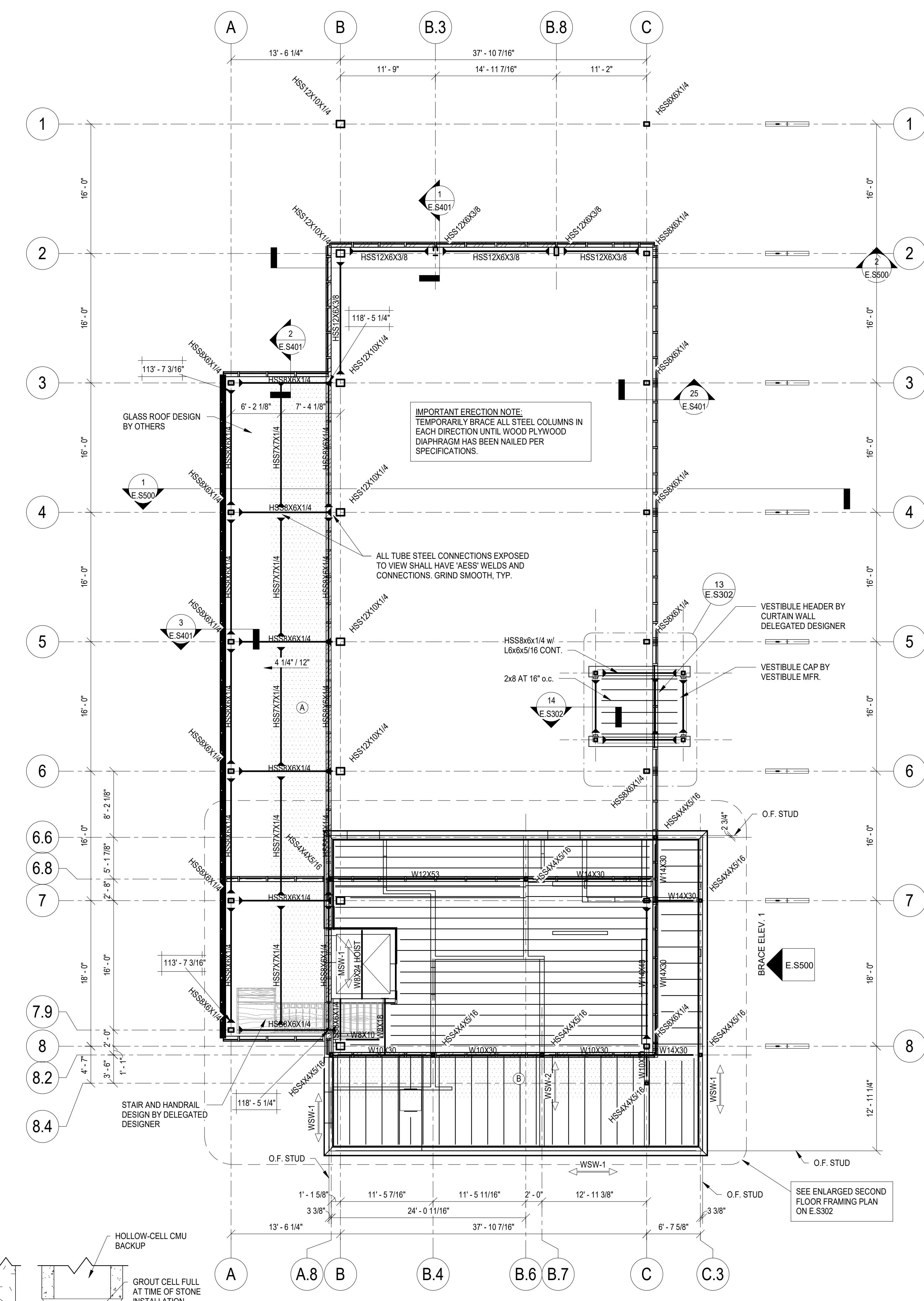
5 HSS WELDING REQUIREMENTS
3/4" = 1'-0"



STONE ANCHORING DETAILS
1 1/2" = 1'-0"

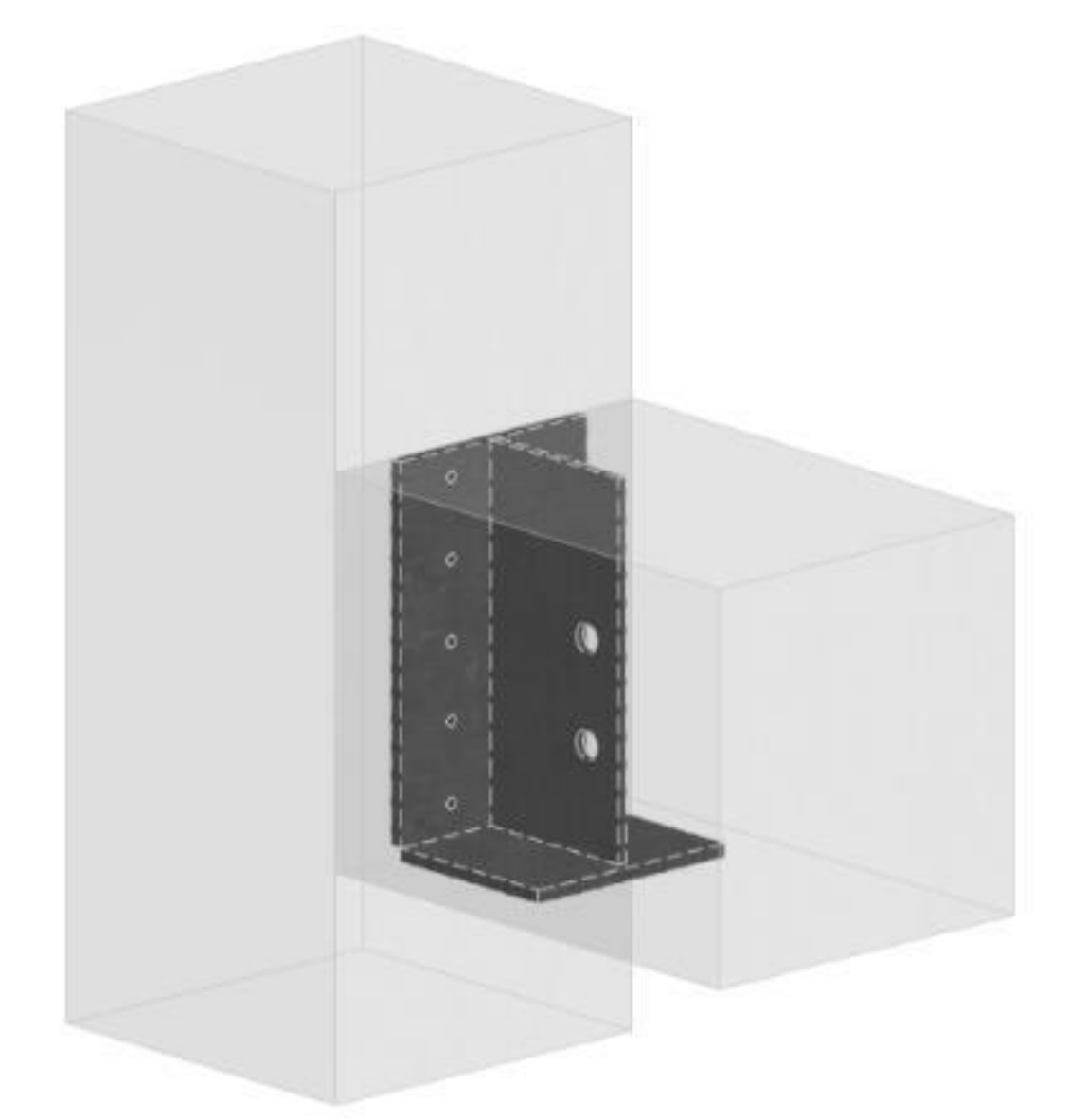


6 CURTAIN WALL HEAD
1" = 1'-0"



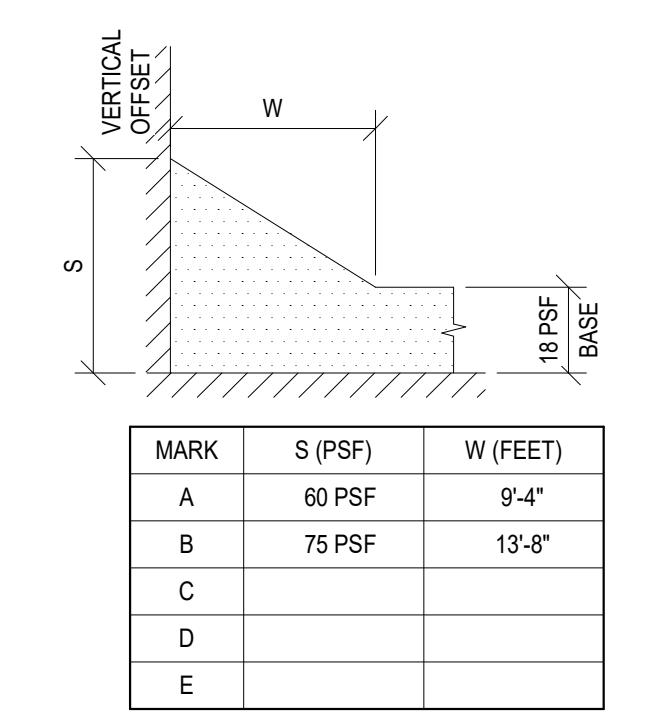
SECOND FLOOR FRAMING PLAN
1/8" = 1'-0"

FABRICATOR NOTE:
ORIENT SEAM OF VISUALLY EXPOSED TUBE STEEL COLUMNS AWAY FROM VIEW (TO THE EXTERIOR OF THE BUILDING), EXCEPT AT EXTERIOR COLUMNS (TURN SEAMS TOWARD BLDG.)



1. GLULAM TO GLULAM CONNECTORS SHALL BE DESIGNED AND PROVIDED BY THE GLULAM MFR.
2. CONNECTION PLATES SHALL BE CONCEALED TO THE LARGEST EXTENT PRACTICAL.
3. FINAL CONNECTION DESIGN TO BE APPROVED BY THE ARCHITECT

CONCEALED CONNECTOR



MARK	S (PSF)	W (FEET)
A	60 PSF	9'-4"
B	75 PSF	13'-8"
C		
D		
E		

ON PLAN - INDICATES DRIFTING AREA. SEE TABLE FOR MINIMUM DRIFT WIDTH (W)

ADDITIONAL SNOW LOAD CASE: NO DRIFT, BASE SNOW + 5 PSF RAIN-ON-SNOW

SNOW DRIFTS
SEE ROOF FRAMING PLAN FOR LOCATIONS SCALE: NTS

No.	REVISION / SUBMISSIONS	DATE
1	EVENT CENTER & SITE REBID	2023-11-21

LWC INCORPORATED
434 East First Street Dayton, OH 45402 937.223.6500
712 East Main Street Richmond, IN 47374 765.966.3546

Benham's Grove City of Centerville
CLIENT BUILDING

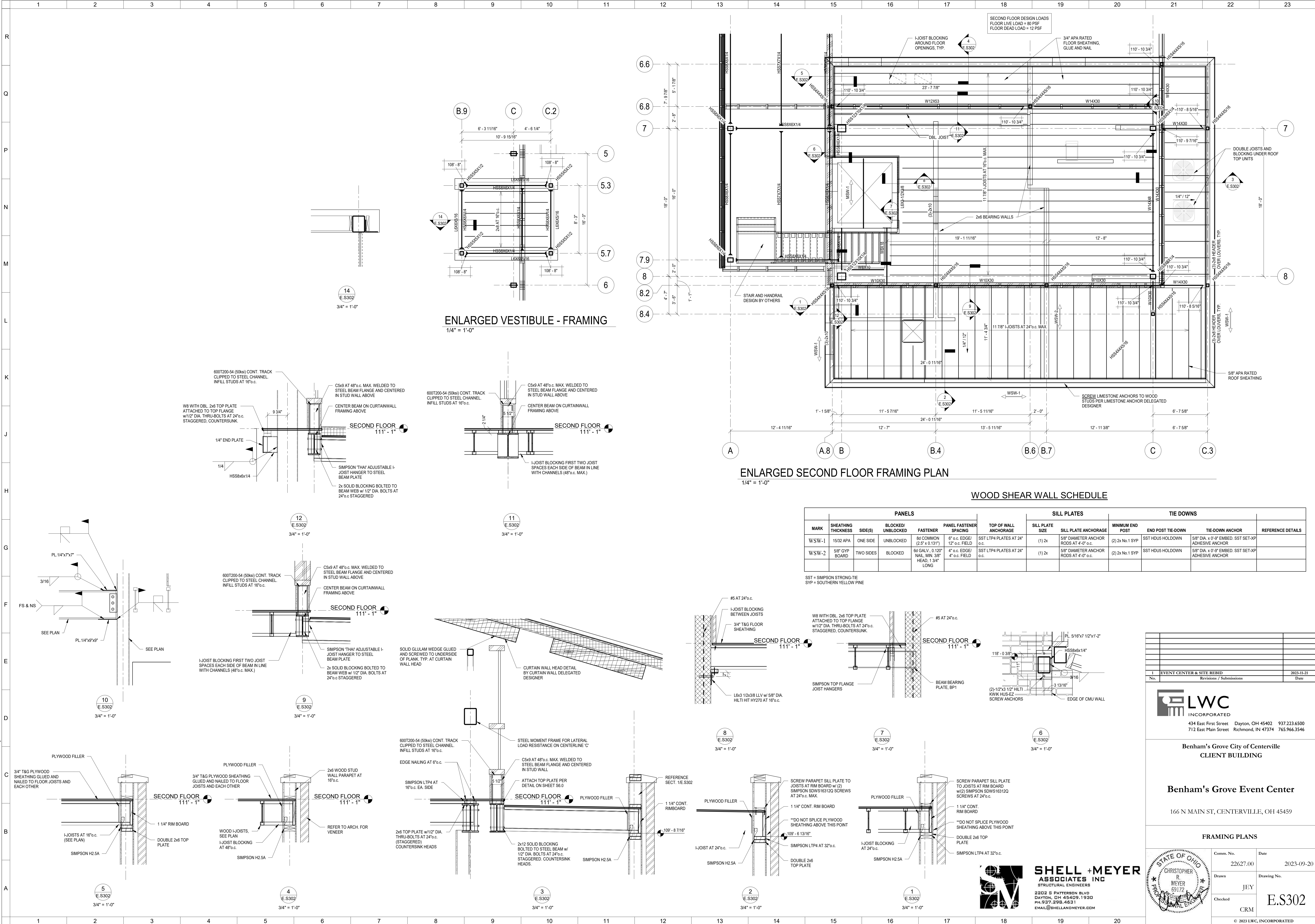
Benham's Grove Event Center
166 N MAIN ST, CENTERVILLE, OH 45459

FRAMING PLANS

Comm. No.	22627.00	Date	2023-09-20
Drawn	JEY	Drawing No.	E.S301
Checked	CRM		

SHELL + MEYER ASSOCIATES INC
STRUCTURAL ENGINEERS
2202 S PATTERSON BLVD DAYTON, OH 45409.1930
PH: 937.2938.4621 EMAIL: @SHELLANDMEYER.COM

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ENLARGED VESTIBULE - FRAMING
1/4" = 1'-0"

ENLARGED SECOND FLOOR FRAMING PLAN
1/4" = 1'-0"

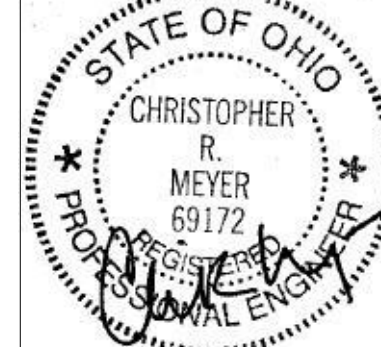
WOOD SHEAR WALL SCHEDULE

MARK	PANELS				SILL PLATES		TIE DOWNS		REFERENCE DETAILS		
	SHEATHING THICKNESS	SIDE(S)	BLOCKED/ UNBLOCKED	FASTENER	PANEL FASTENER SPACING	TOP OF WALL ANCHORAGE	SILL PLATE SIZE	SILL PLATE ANCHORAGE		MINIMUM END POST	END POST TIE-DOWN
WSW-1	1/2" APA	ONE SIDE	UNBLOCKED	8d COMMON (2" x 0.131")	6" o.c. EDGE/ 12" o.c. FIELD	SST LTP4 PLATES AT 24" o.c.	(1) 2x	5/8" DIAMETER ANCHOR RODS AT 4'-0" o.c.	(2) 2x No. 1 SYP	SST HDUS HOLDOWN	5/8" DIA. x 0'-9" EMBED. SST SET-XP ADHESIVE ANCHOR
WSW-2	5/8" GYP BOARD	TWO SIDES	BLOCKED	8d GALV. 0.120" NAIL MIN. 3/8" HEAD, 1 3/4" LONG	4" o.c. EDGE/ 4" o.c. FIELD	SST LTP4 PLATES AT 24" o.c.	(1) 2x	5/8" DIAMETER ANCHOR RODS AT 4'-0" o.c.	(2) 2x No. 1 SYP	SST HDUS HOLDOWN	5/8" DIA. x 0'-9" EMBED. SST SET-XP ADHESIVE ANCHOR

SST = SIMPSON STRONG-TIE
SYP = SOUTHERN-YELLOW PINE

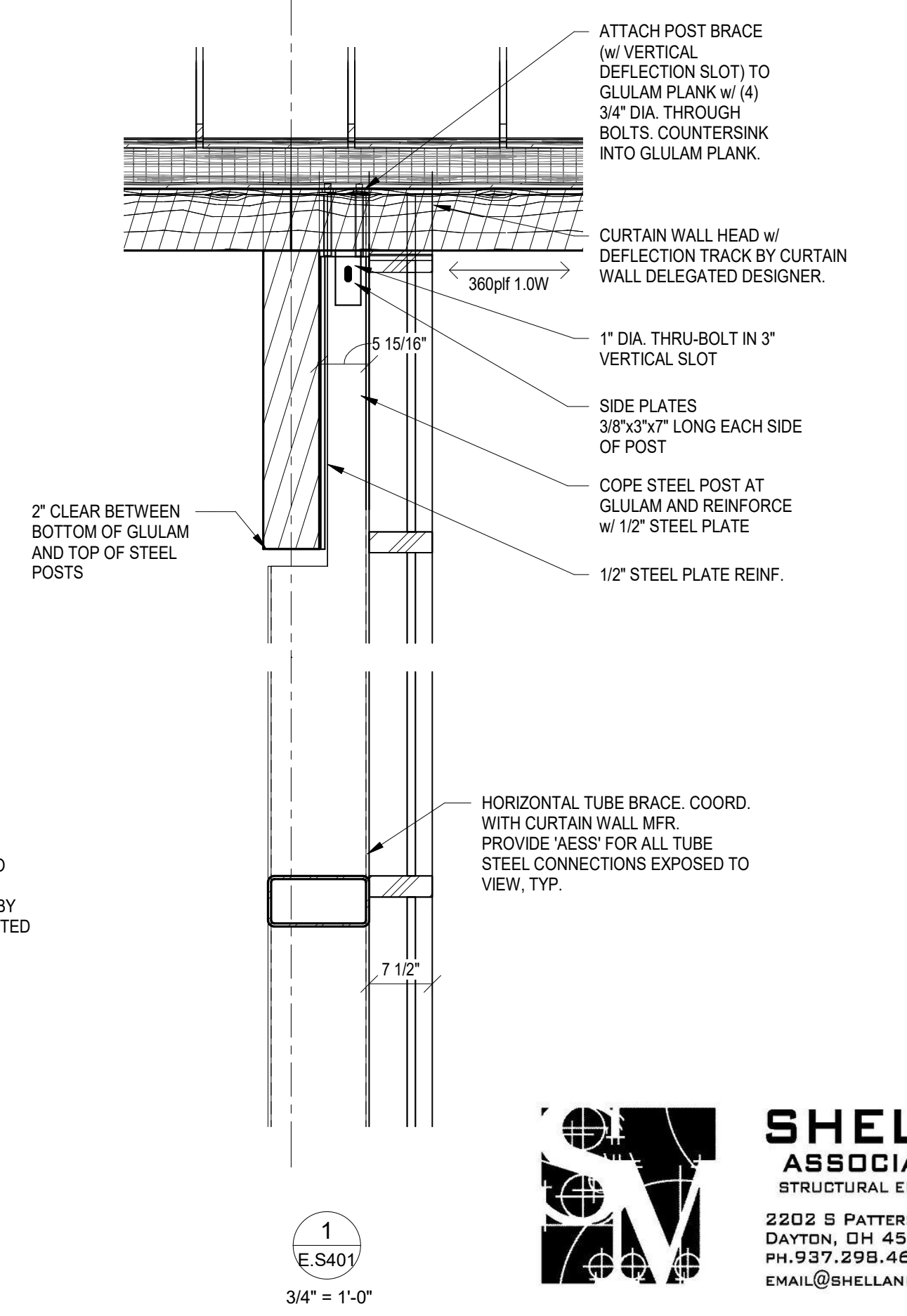
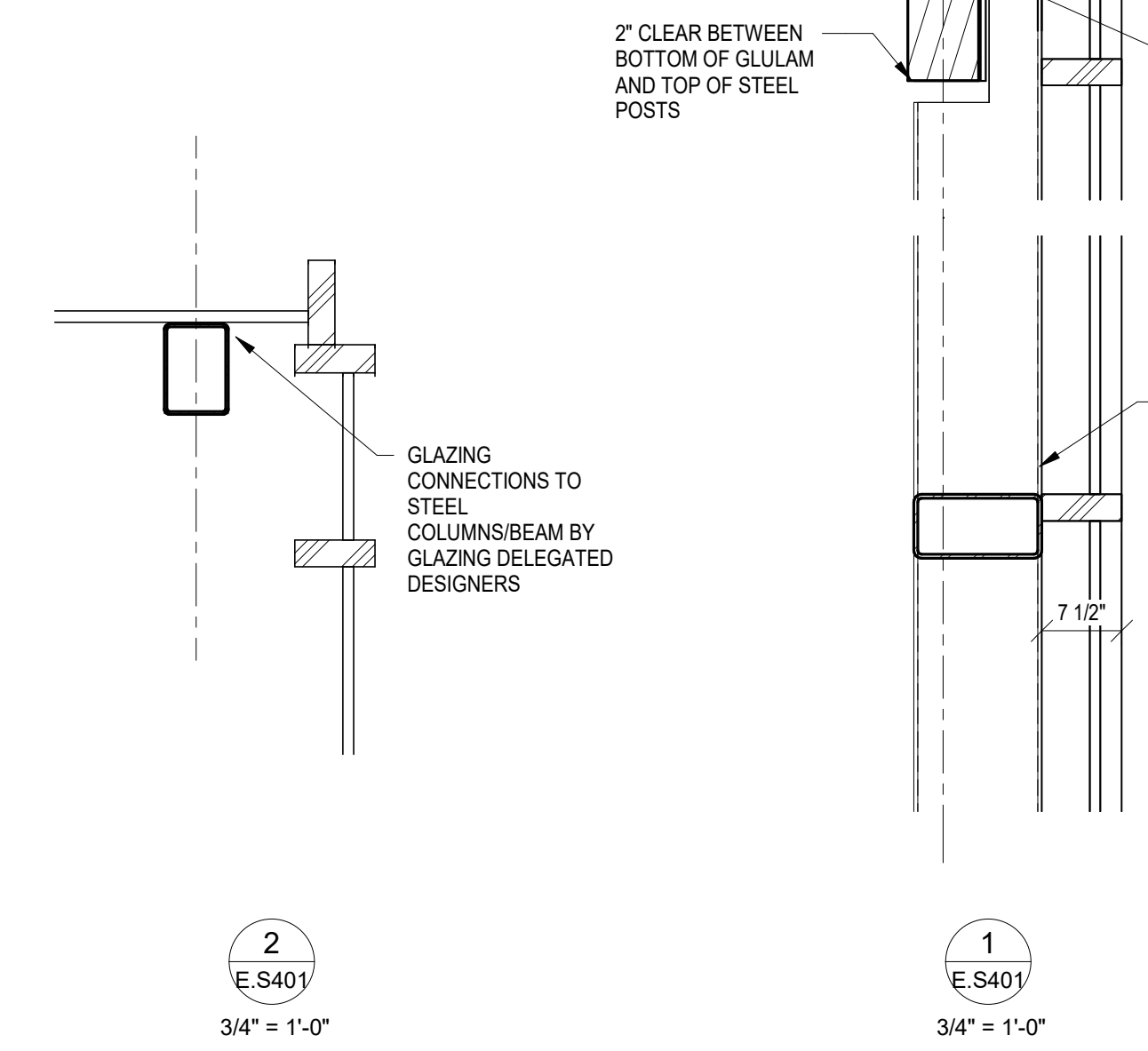
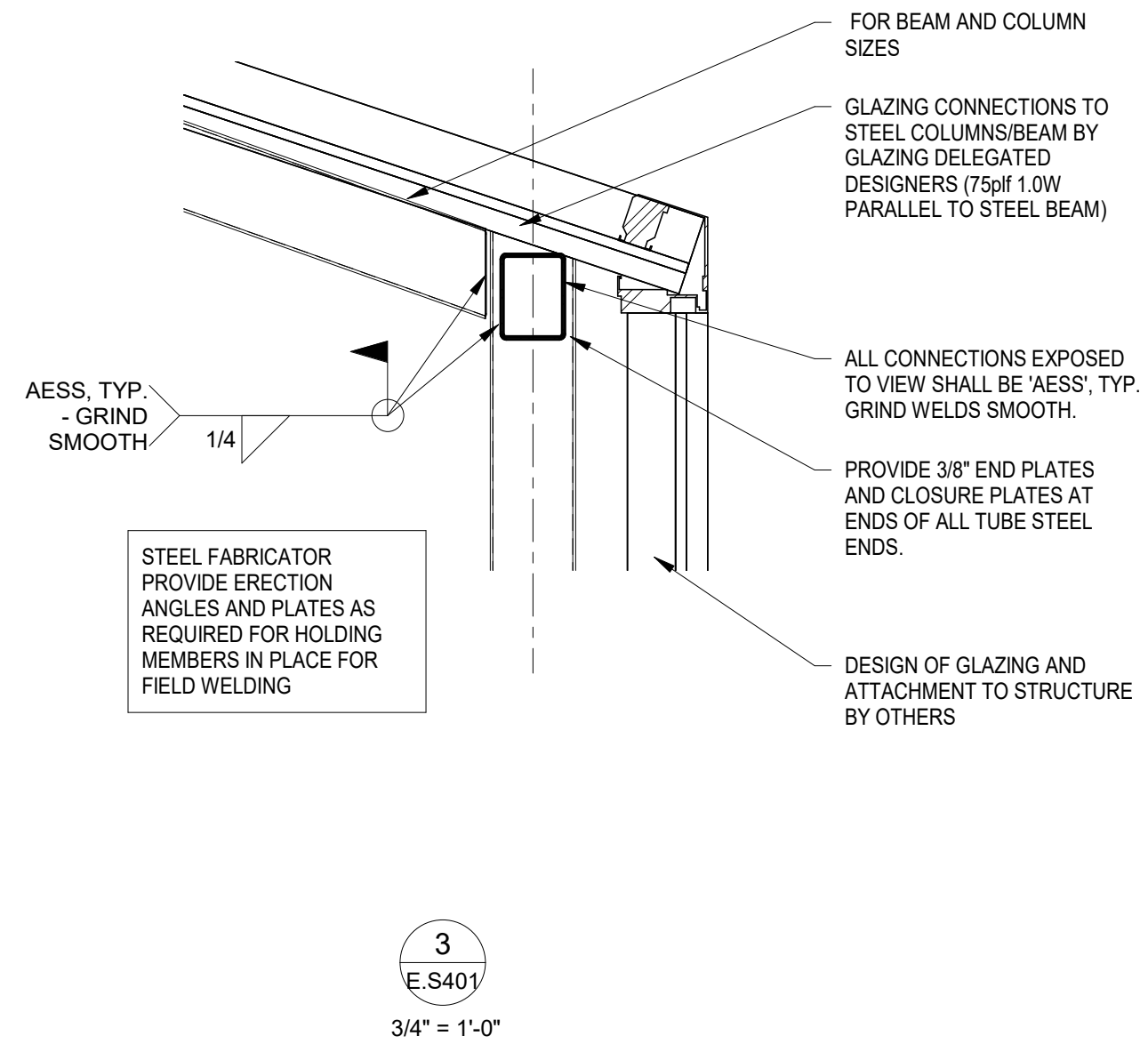
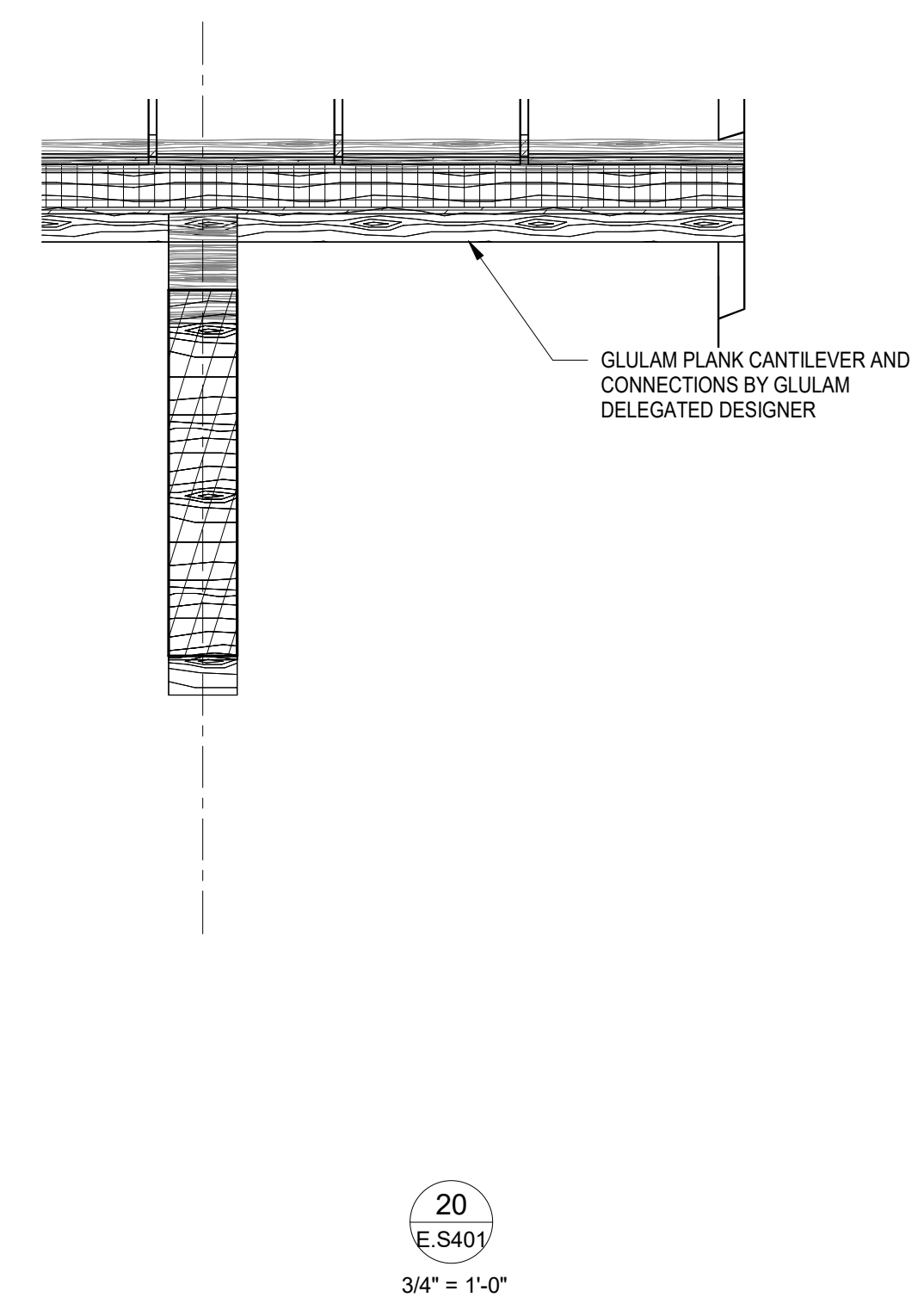
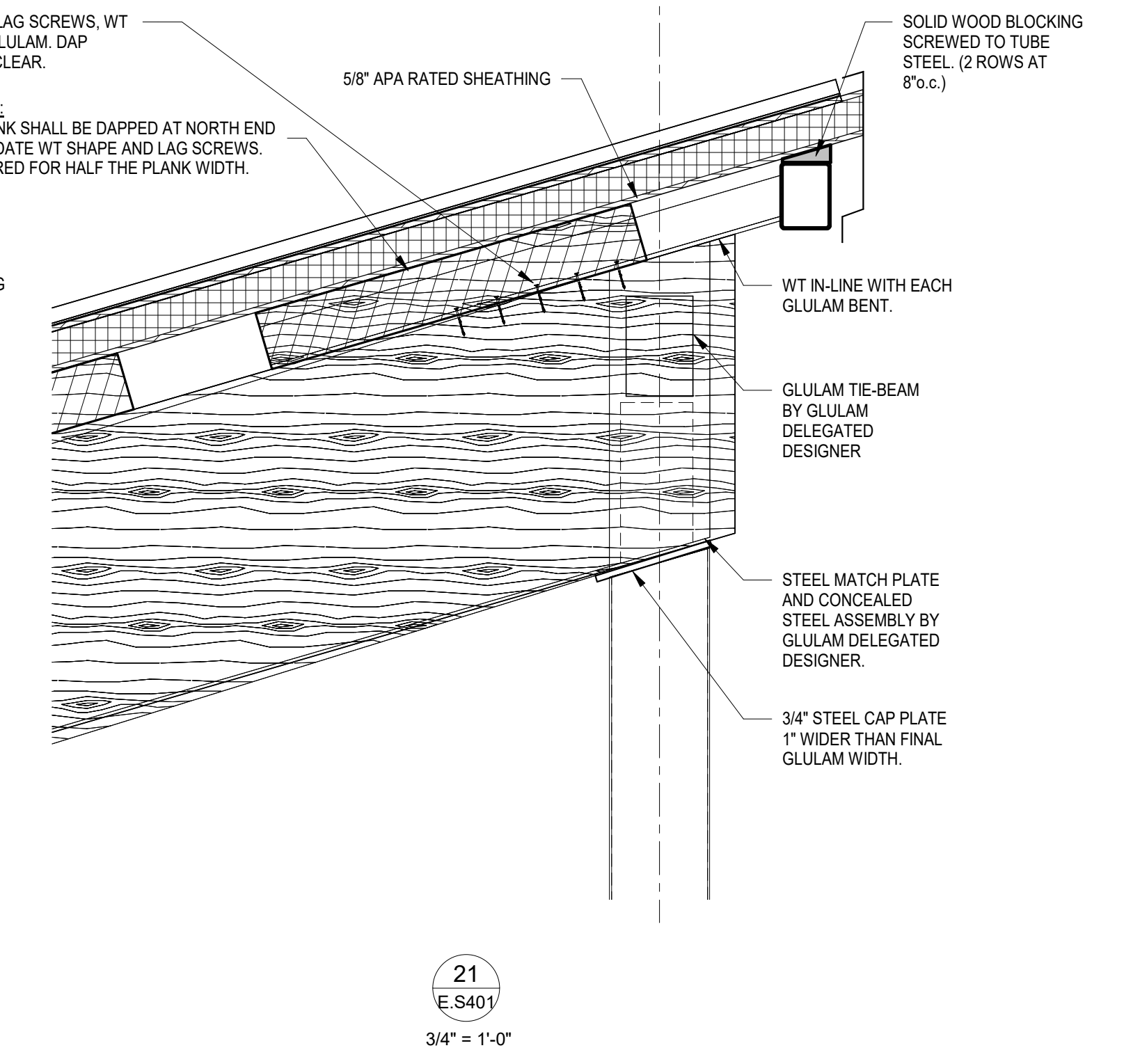
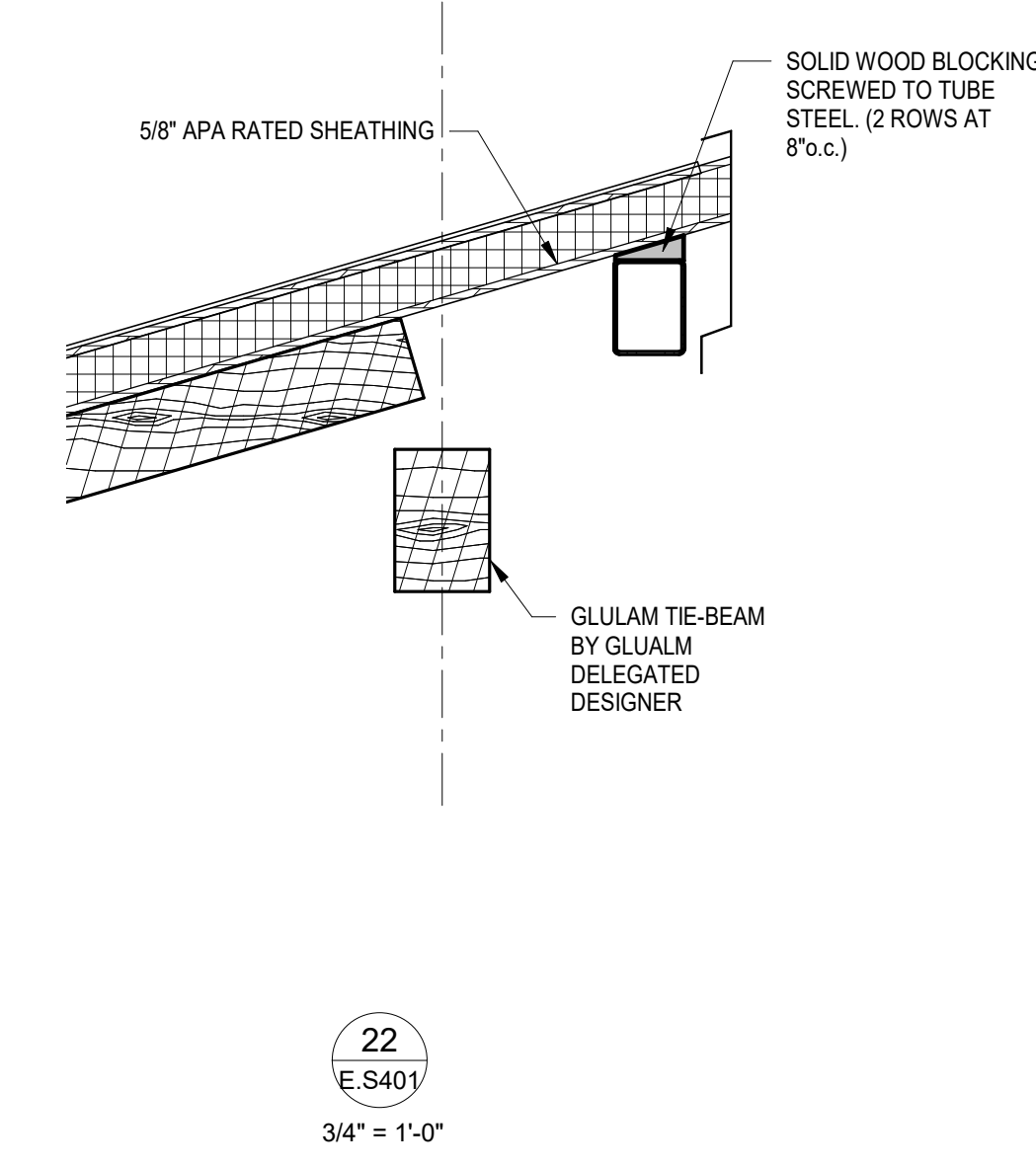
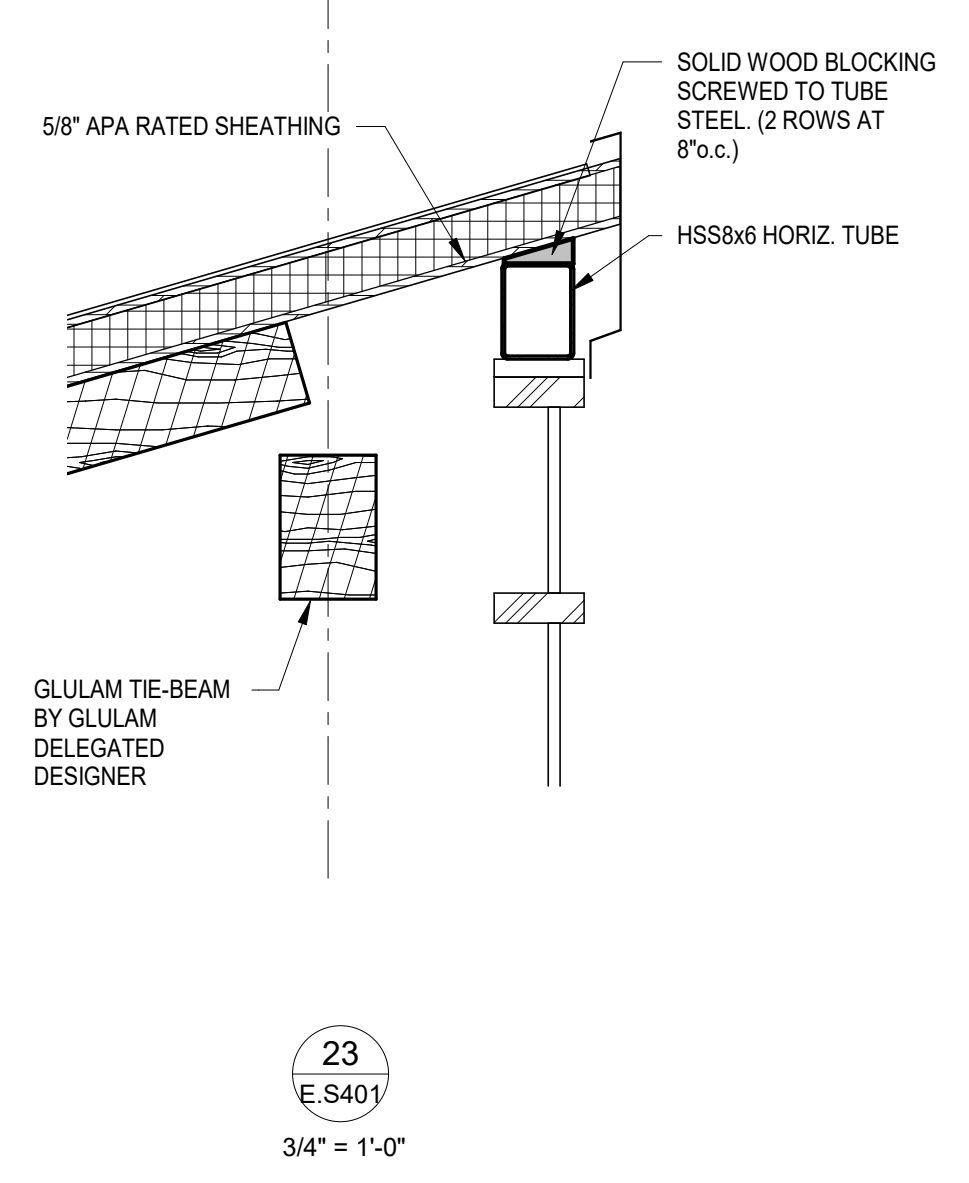
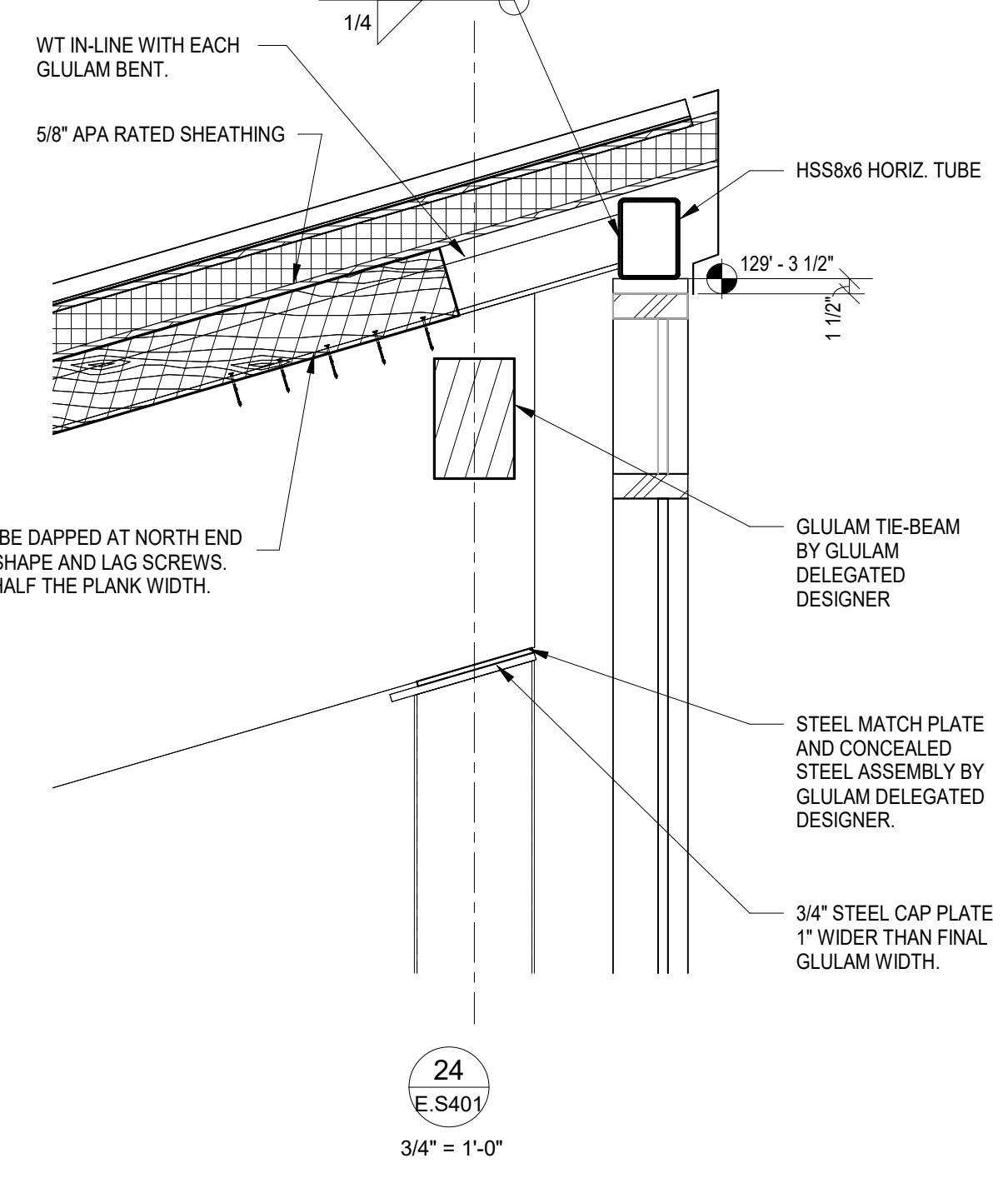
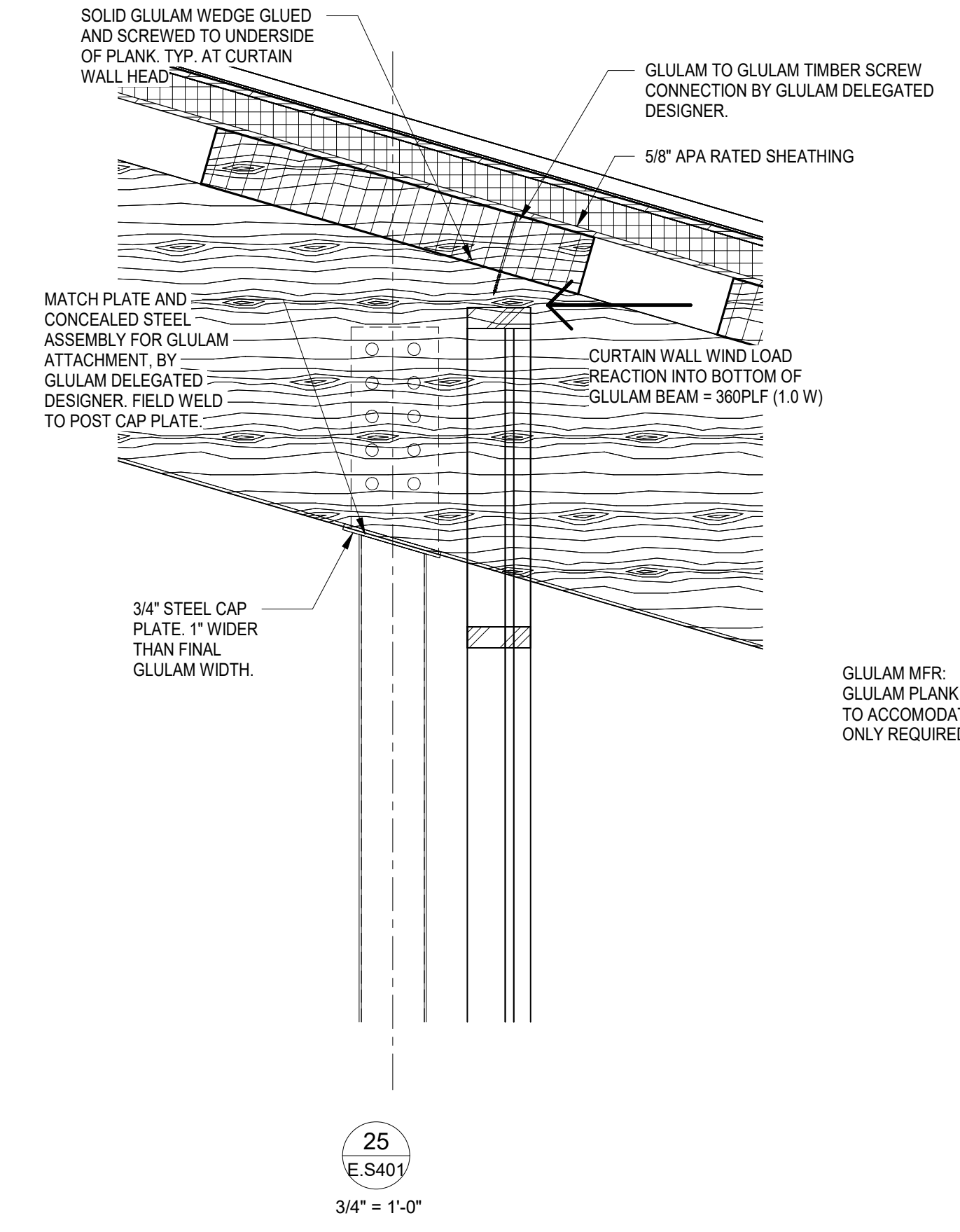
EVENT CENTER & SITE REBID		2023-11-21
No.	Revisions / Submissions	Date
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Benham's Grove City of Centerville CLIENT BUILDING		
Benham's Grove Event Center 166 N MAIN ST, CENTERVILLE, OH 45459		
FRAMING PLANS		
Comm. No.	Date	2023-09-20
22627.00		
Drawn	By	JJEY
Checked	By	CRM
		E.S302
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2202 S PATTERSON BLVD
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PH: 937.298.4621
EMAIL: SHELLANDMEYER.EDM



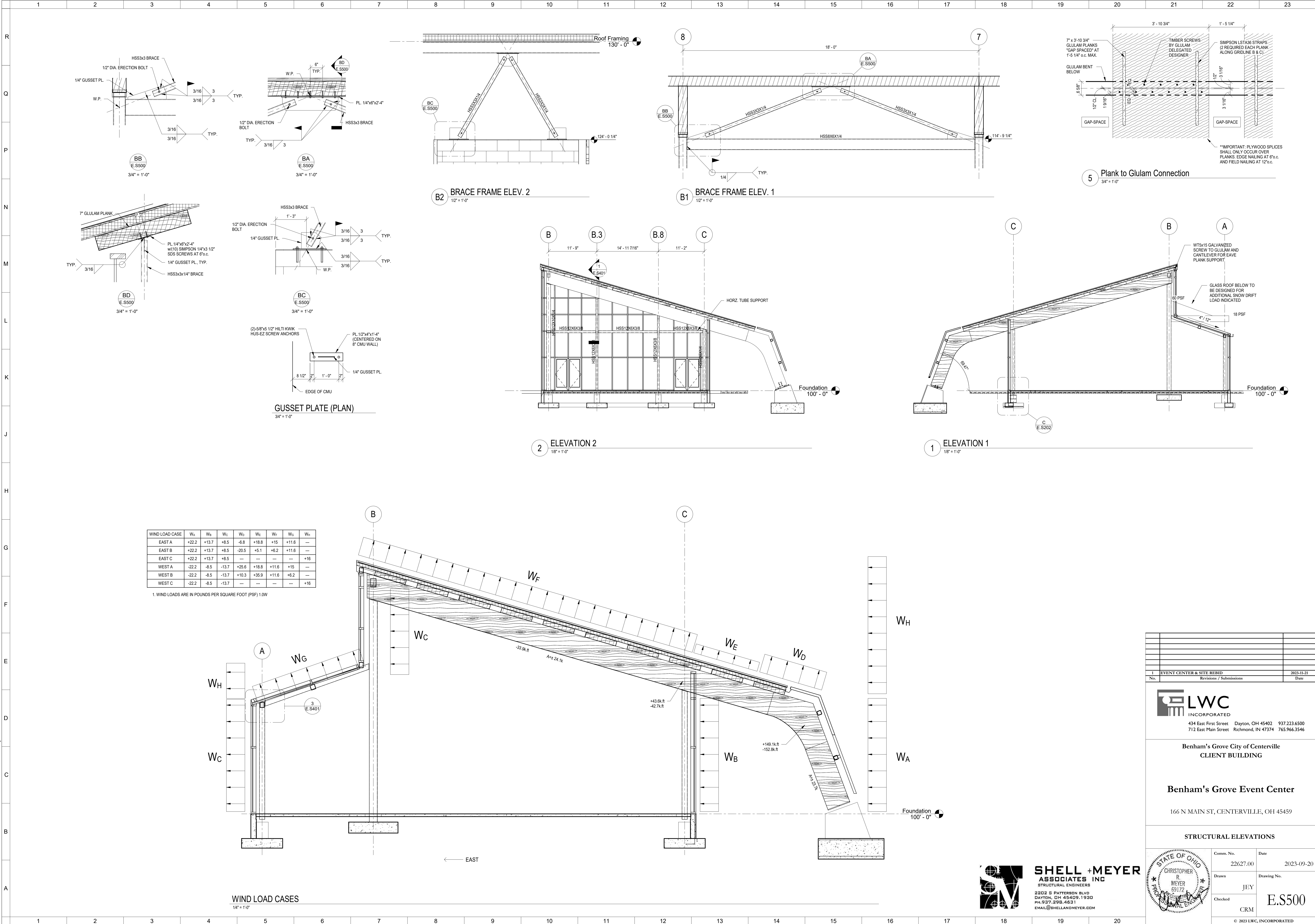
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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23



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<p align="center">Benham's Grove City of Centerville CLIENT BUILDING</p> <p align="center">Benham's Grove Event Center</p> <p align="center">166 N MAIN ST, CENTERVILLE, OH 45459</p>		
<p align="center">FRAMING SECTIONS</p>		
Comm. No.	Date	
22627.00	2023-09-20	
Drawn	JEY	E.S401
Checked	CRM	
<p>SHELL + MEYER ASSOCIATES INC STRUCTURAL ENGINEERS 2202 S PATTERSON BLVD DAYTON, OH 45409-1930 PH: 937.238.4621 EMAIL@SHELLANDMEYER.COM</p>		
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WIND LOAD CASE	W _a	W _b	W _c	W _d	W _e	W _f	W _g	W _h	W _i
EAST A	+22.2	+13.7	+8.5	-6.8	+18.8	+15	+11.6	---	---
EAST B	+22.2	+13.7	+8.5	-20.5	+5.1	+6.2	+11.6	---	---
EAST C	+22.2	+13.7	+8.5	---	---	---	---	+16	---
WEST A	-22.2	-8.5	-13.7	+25.6	+18.8	+11.6	+15	---	---
WEST B	-22.2	-8.5	-13.7	+10.3	+35.9	+11.6	+6.2	---	---
WEST C	-22.2	-8.5	-13.7	---	---	---	---	+16	---

1. WIND LOADS ARE IN POUNDS PER SQUARE FOOT (PSF) 1.0W

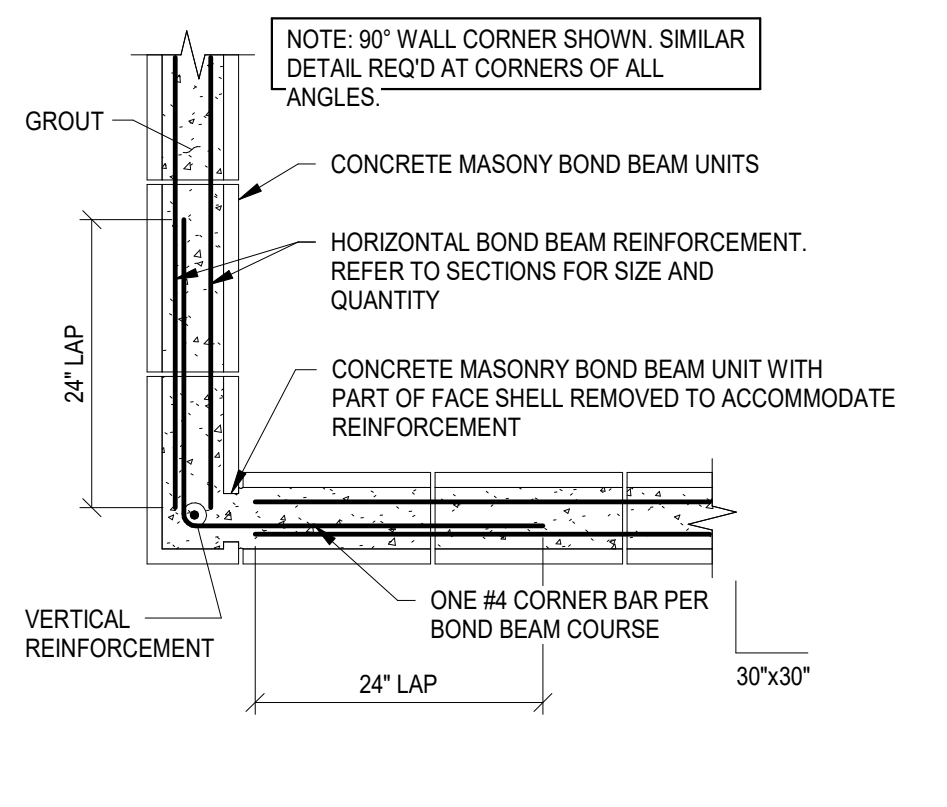
EVENT CENTER & SITE REBID		2023-11-21
No.	Revisions / Submissions	Date
<p>434 East First Street Dayton, OH 45402 937.223.6500 712 East Main Street Richmond, IN 47374 765.966.3546</p>		
<p align="center">Benham's Grove City of Centerville CLIENT BUILDING</p> <p align="center">Benham's Grove Event Center</p> <p align="center">166 N MAIN ST, CENTERVILLE, OH 45459</p>		
<p align="center">STRUCTURAL ELEVATIONS</p>		
Comm. No.	Date	2023-09-20
22627.00		
Drawn	JEY	
Checked	CRM	E.S500

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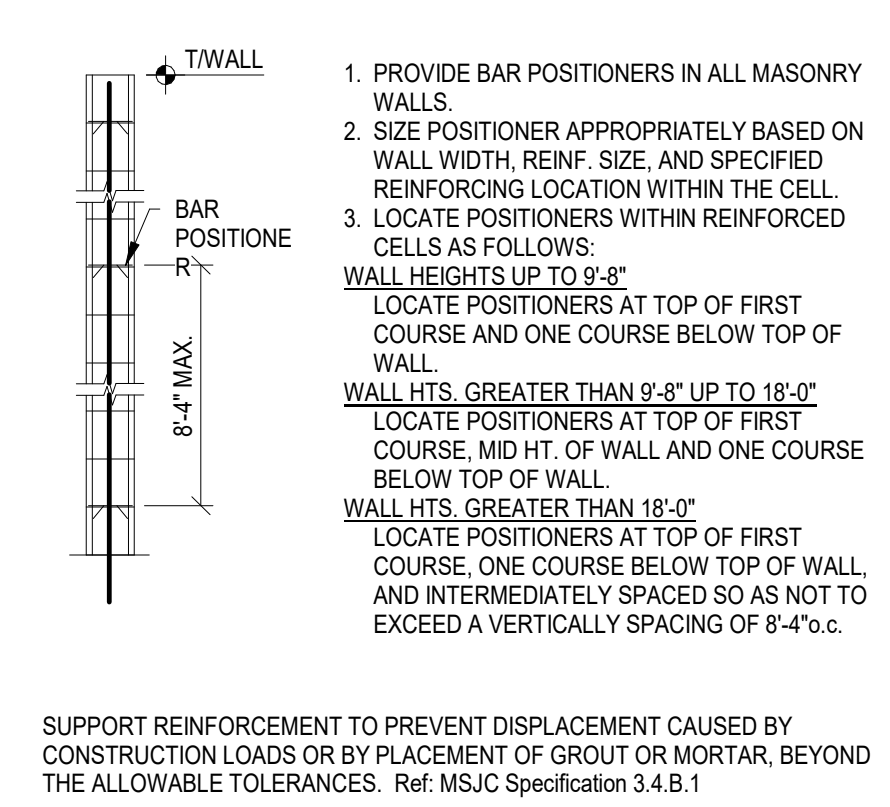
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STRUCTURAL ENGINEERS
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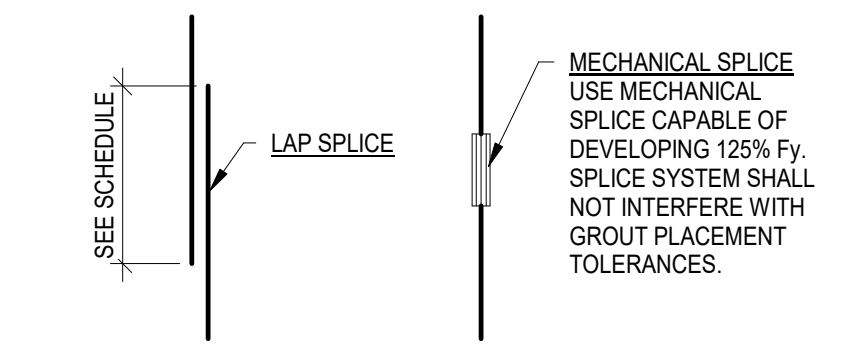
M10 BOND BEAM CORNER DETAIL
SCALE: NTS



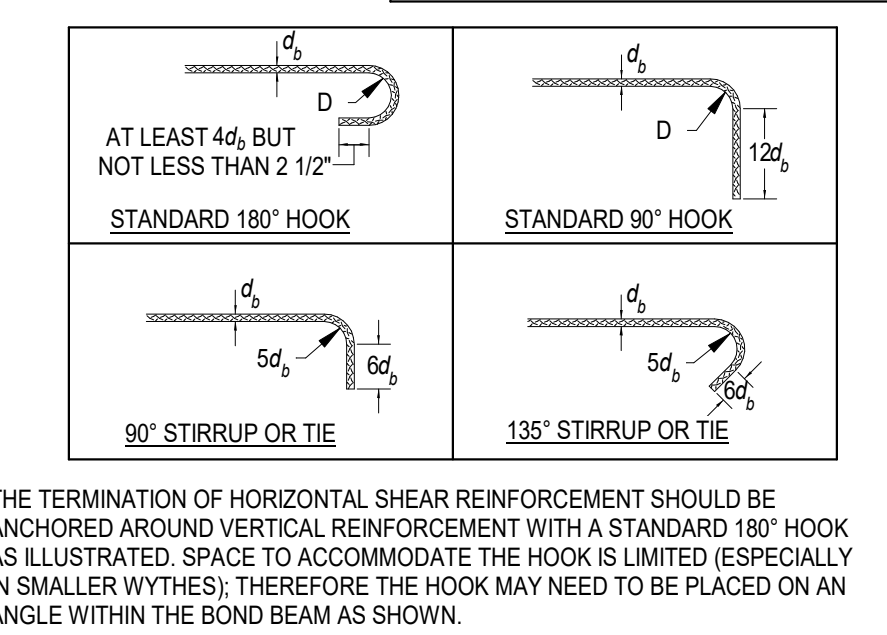
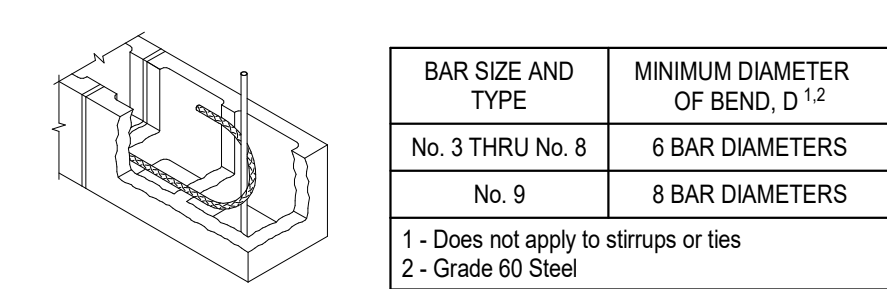
M6 REINFORCING BAR POSITIONERS
SCALE: NTS

MINIMUM LAP SPLICE SCHEDULE	
BAR SIZE	LAP LENGTH ¹
#3	27"
#4	36"
#5	45"
#6 THRU #8	* MECH. SPLICE REQ'D *

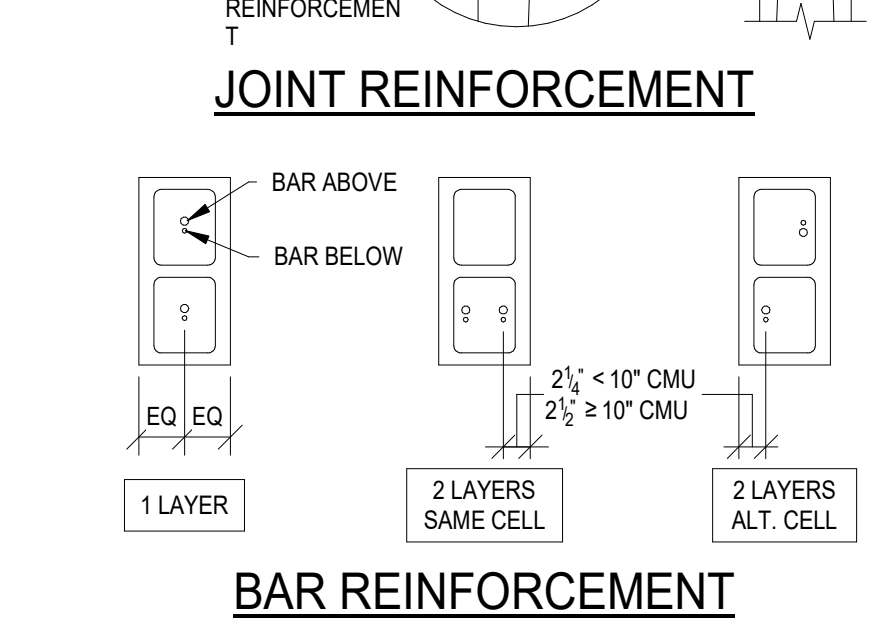
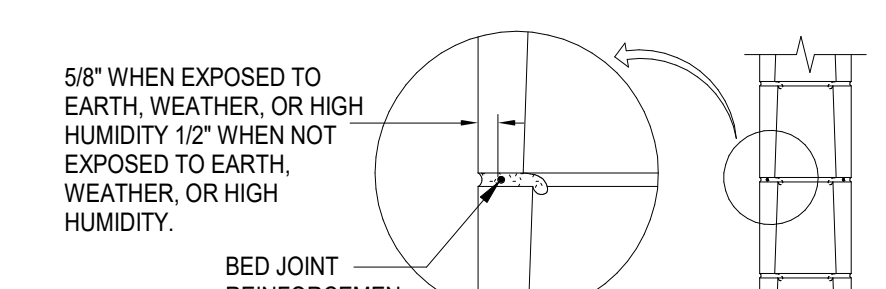
1 - Increase length by 50% for epoxy coated reinforcing
2 - Where lap exceeds 45" use mechanical couplers able to develop 125% F



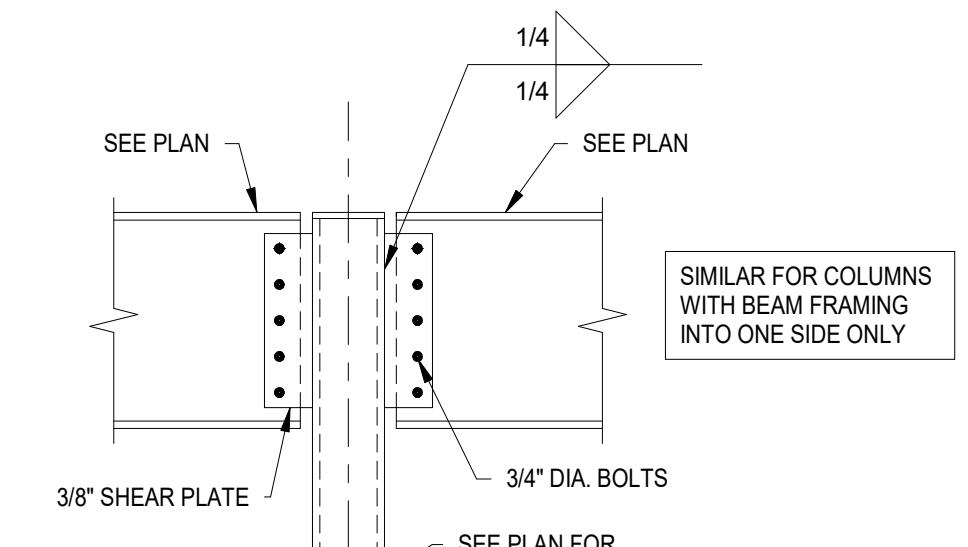
M4 REINFORCEMENT SPLICES
Reference: OHIO BUILDING CODE 2011, 100% Bar Stress SCALE: NTS



M3 REINFORCING HOOK DETAILS
SCALE: NTS



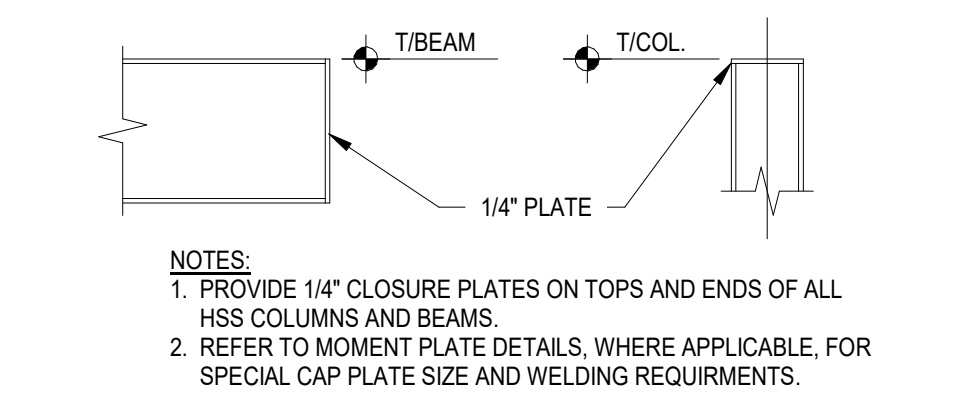
M2 REINFORCEMENT COVER
SCALE: NTS



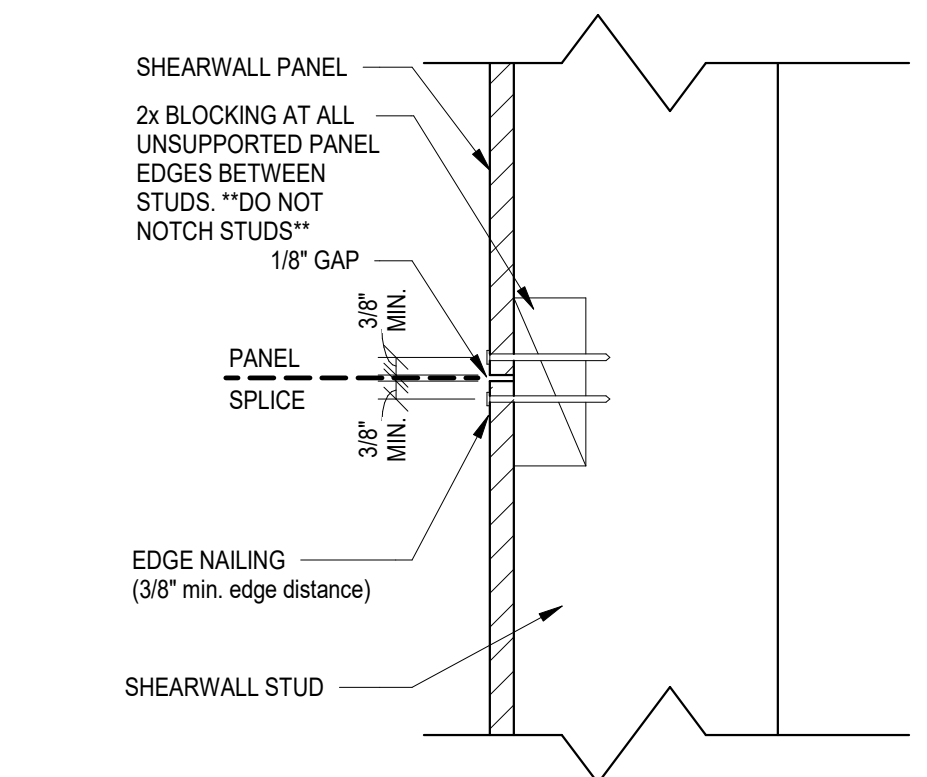
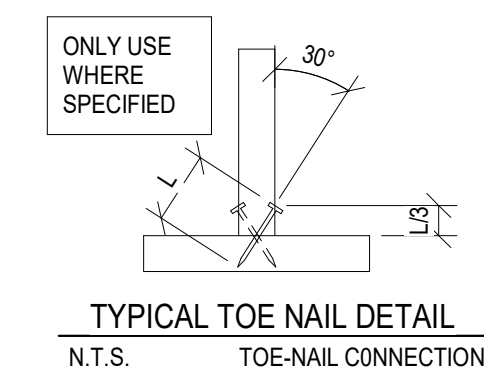
NOTES:
1. BOLTS SHALL BE ASTM A325 OR F1852, U.N.O.
2. PROVIDE S&L HOLES IN 3/8\"/>

NOMINAL BEAM DEPTH (IN)	QTY OF BOLTS
W8, W10	2
W12, W14	3
W16	4
W18	5
W21	6
W24	7
W27	8

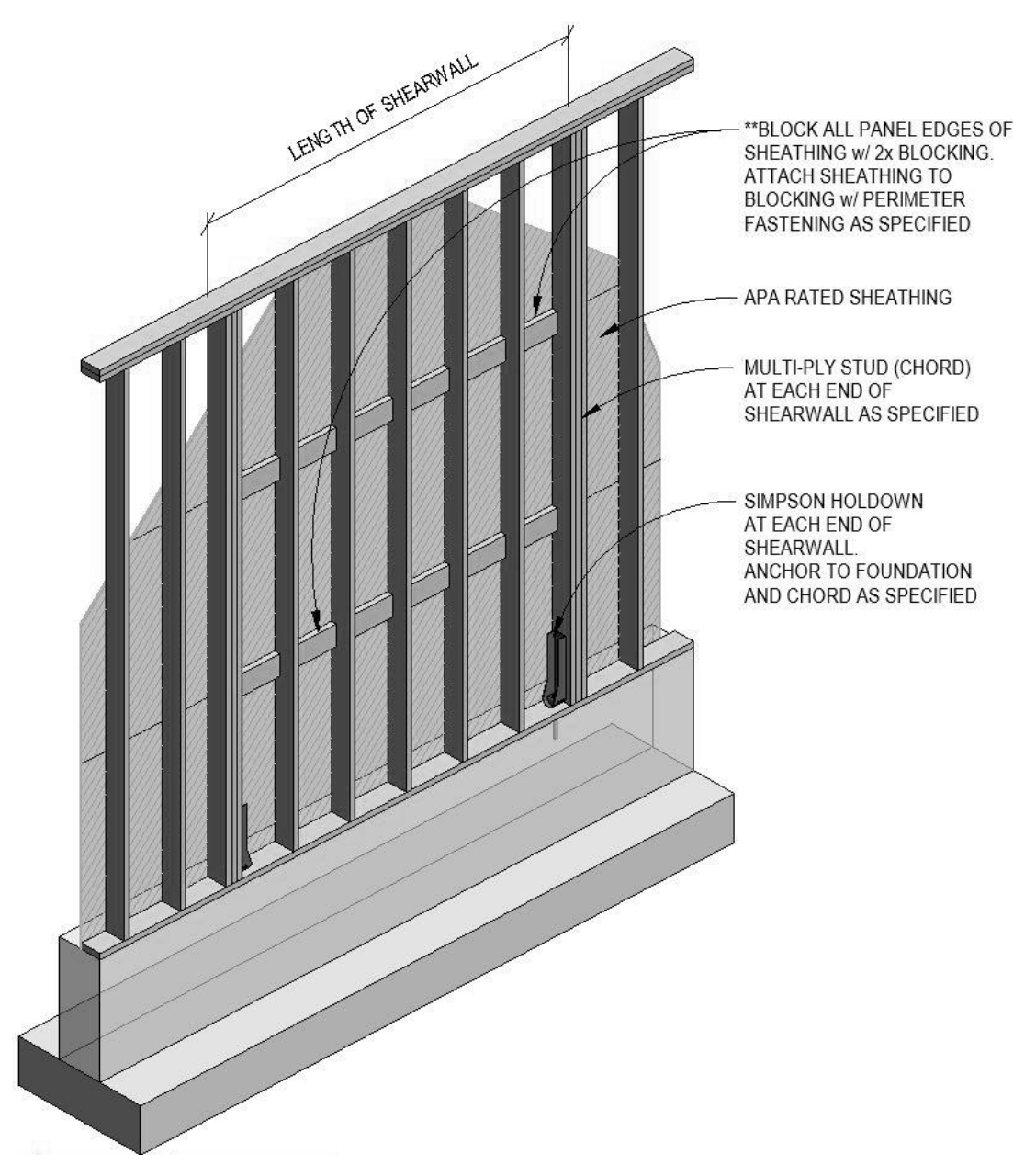
S1 TYP. SINGLE PLATE SHEAR CONNECTION
WIDE FLANGE BEAMS - HSS COLUMNS SCALE: NTS



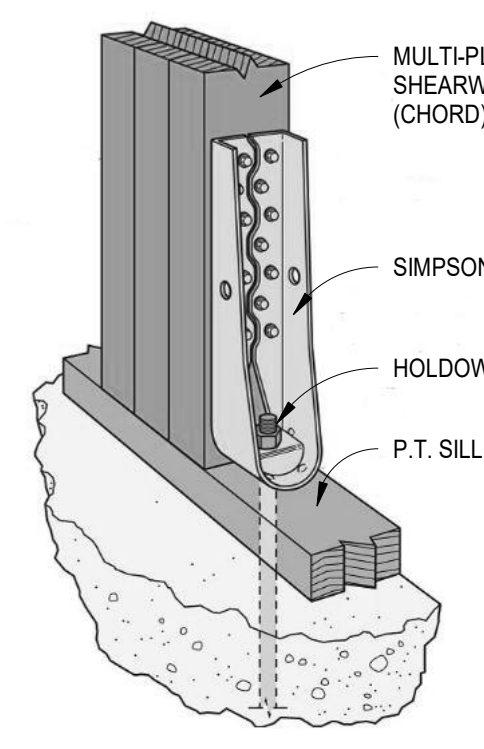
S2 HSS STEEL CLOSURE PLATES
SCALE: NTS



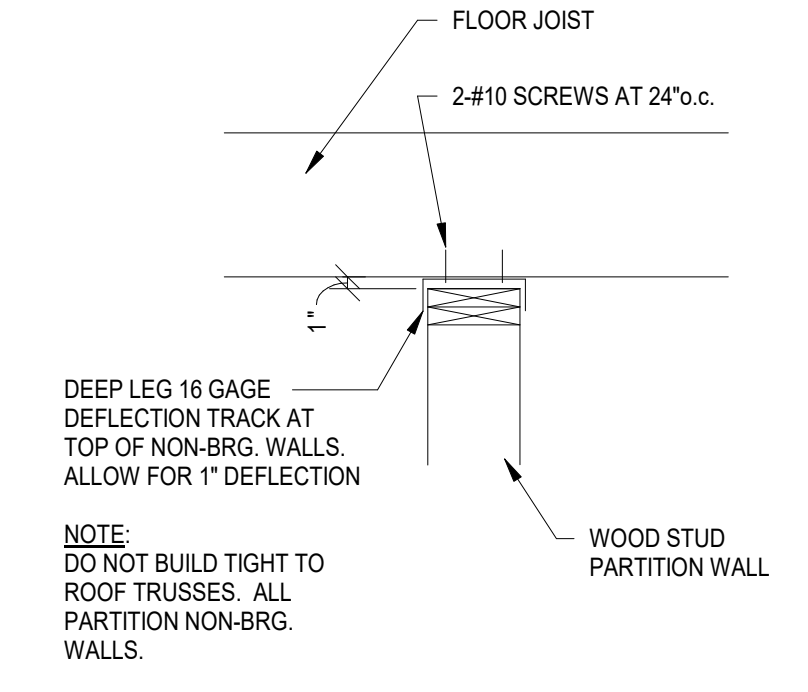
8 WSW - PANEL BLOCKING
3/8" x 1'-0"



15 WSW - Panel Edge Blocking
3/8" x 1'-0"

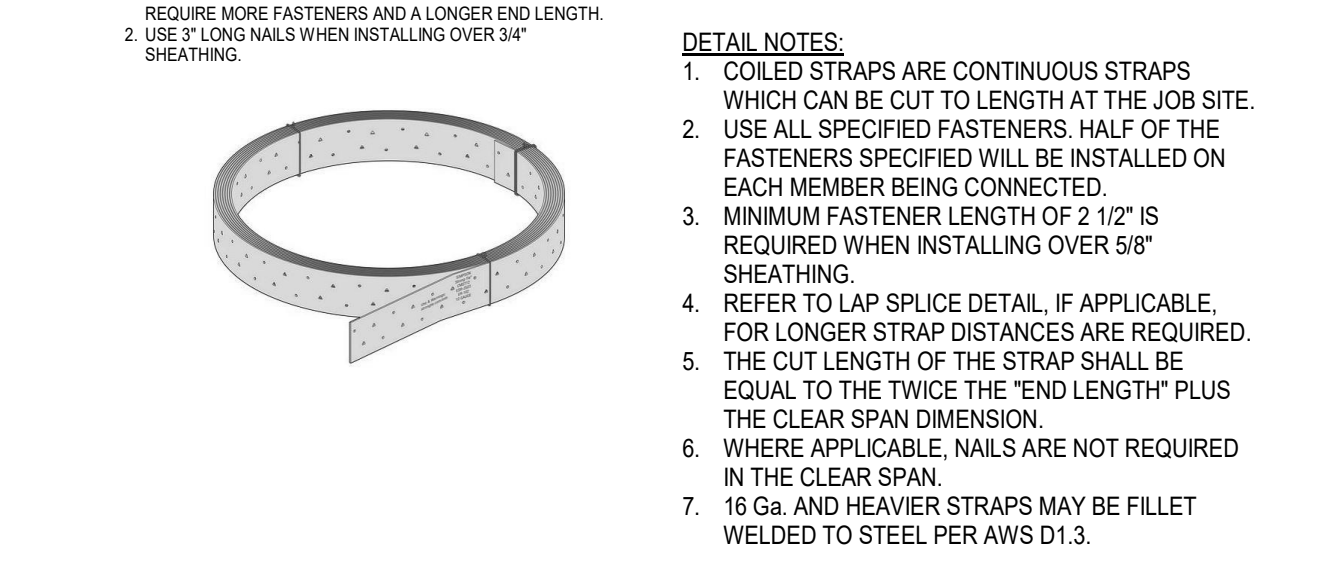


12 SIMPSON HDU TYP
3/4" x 1'-0"

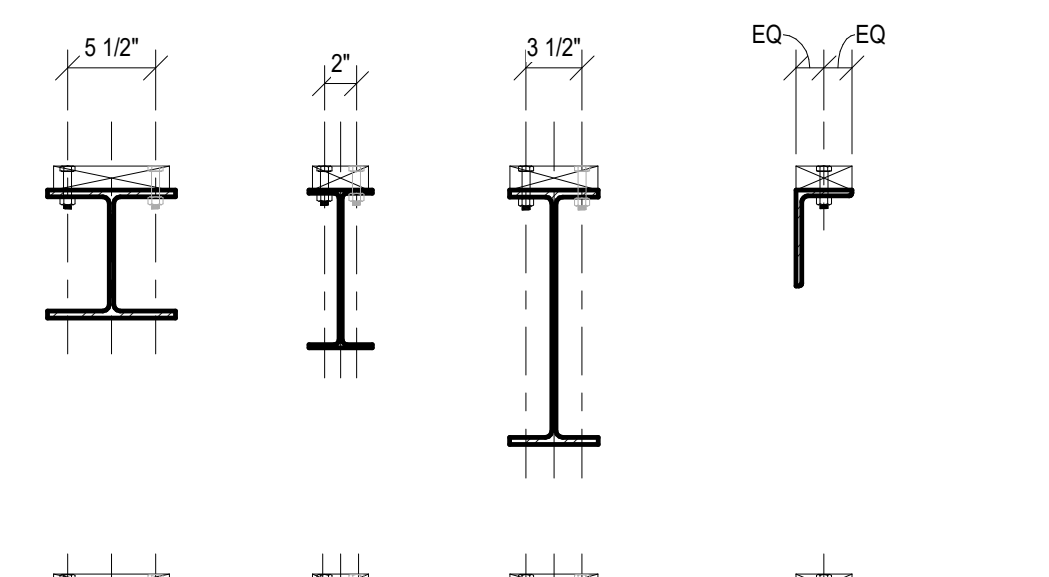


16 Non-Load Bearing Wall Defl Track
N.T.S.

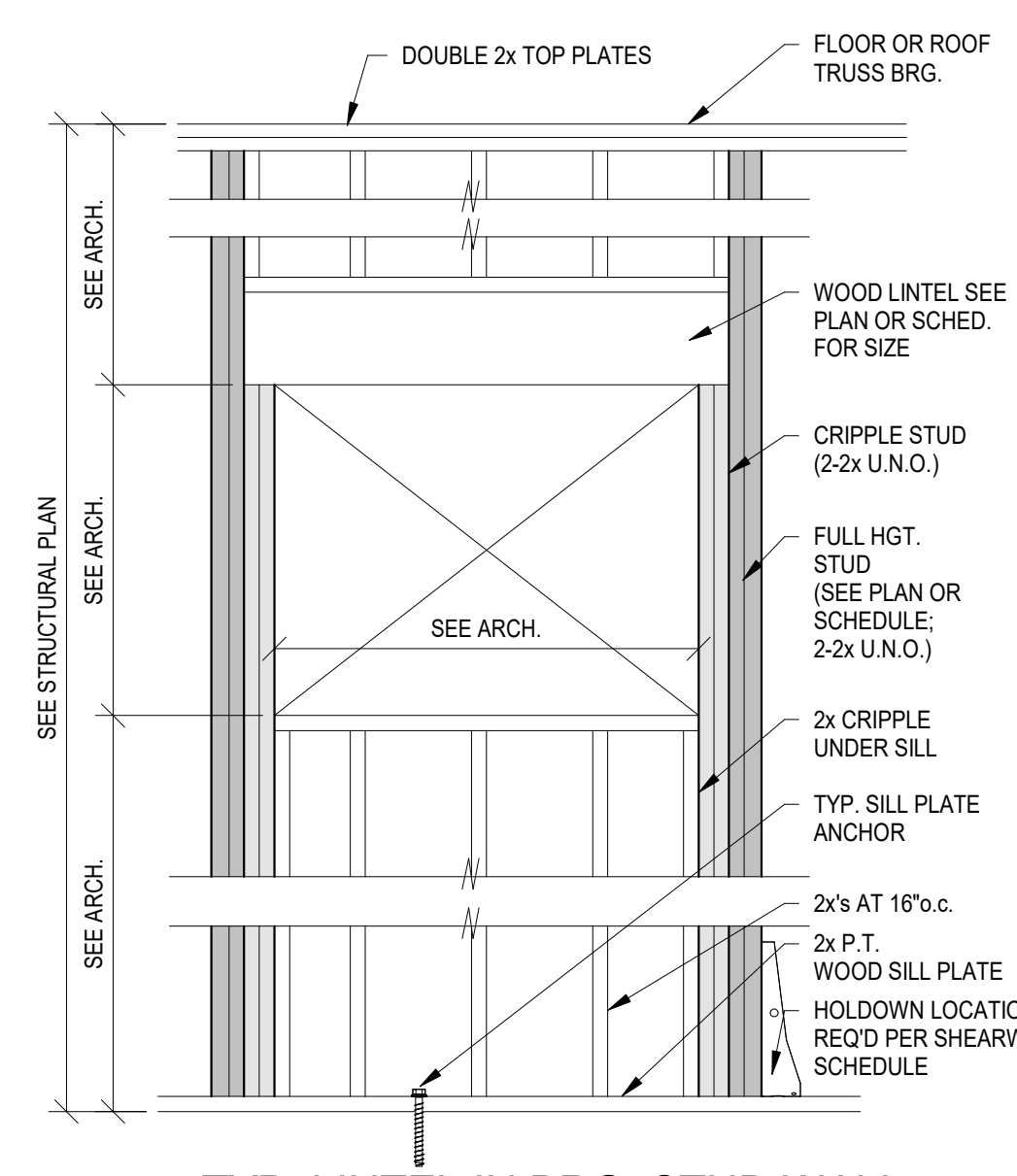
STRAP	FASTENERS ^{1,2}	END LENGTH ¹	TENSION LOAD
CS20	(14) 0.148 x 2 1/2	9"	1030 lbs
CS16	(22) 0.148 x 2 1/2	13"	1705 lbs
CS14	(30) 0.148 x 2 1/2	16"	2490 lbs
CMSTC16	(58) 0.148 x 2 1/2	25"	4690 lbs
CMST14	(76) 0.148 x 2 1/2	34"	6475 lbs
CMST12	(98) 0.148 x 2 1/2	44"	9215 lbs



6 SIMPSON COILED STRAPS
1 1/2" x 1'-0"



7 WOOD DBL PLATE TO STEEL
1" x 1'-0"



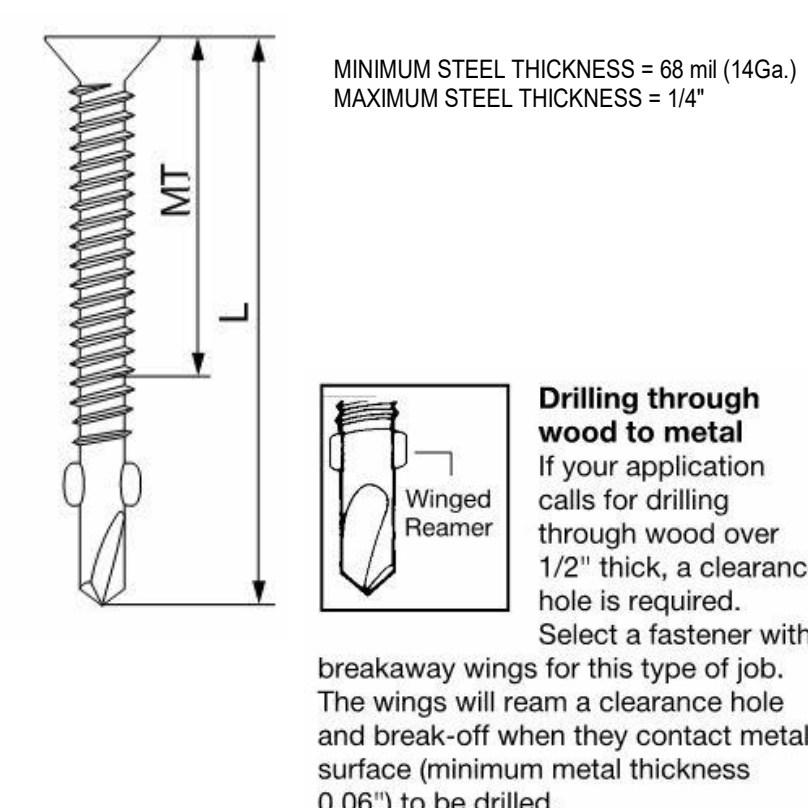
TYP. LINTEL IN BRG. STUD WALL
SCALE: NTS

RECOMMENDED FASTENER LENGTHS FOR ATTACHING WOOD TO STEEL BASE MATERIAL

WOOD SPECIES	WOOD THICKNESS (IN)	WOOD WIDTH (IN)	FASTENER TYPE	FASTENER LENGTH (IN)
X-L	5/8"	50	DS	62
		57	57	
		40	52	
		42	47	
		30	42	
		20	37	
	DS	50	62	
		57	57	
		40	52	
		42	47	
		30	42	
		20	37	
X-U	5/8"	50	DS	62
		57	57	
		40	52	
		42	47	
		30	42	
		20	37	
	DS	50	62	
		57	57	
		40	52	
		42	47	
		30	42	
		20	37	

Notes:
1. X-U or DS up to 62 mm long may be used in base steel up to 1/4" (6 mm) thick.
2. If the application level is exceeded, shank buckling can occur.
3. Numbers in () and [] represent fastener shank length in mm.
4. Based upon a base steel tensile strength (F_t) of less than or equal to 70 ksi.
5. For installation of 2 x 4 to steel (1/4" - 3/8"), the X-U 47 is the most appropriate choice.

11 HILTI FASTENING OF 2X TO STEEL
3/4" x 1'-0"



EVENT CENTER & SITE REBID		2023-11-21
No.	Revisions / Submissions	Date

LWC
INCORPORATED
434 East First Street Dayton, OH 45402 937.223.6500
712 East Main Street Richmond, IN 47374 765.966.3546

Benham's Grove City of Centerville CLIENT BUILDING

Benham's Grove Event Center
166 N MAIN ST, CENTERVILLE, OH 45459

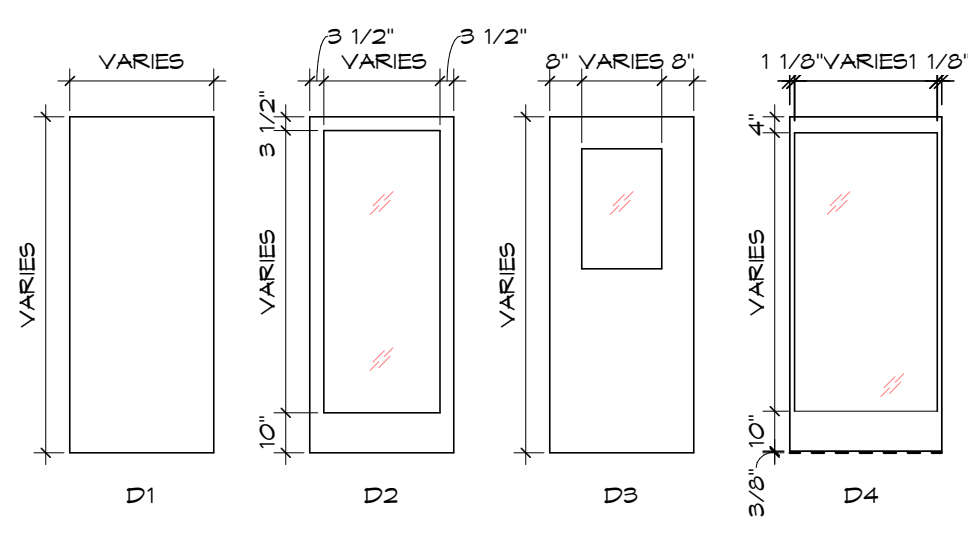
Comm. No.	Date
22627.00	2023-09-20
Drawn	Drawing No.
Author	E.S600
Checked	Checker

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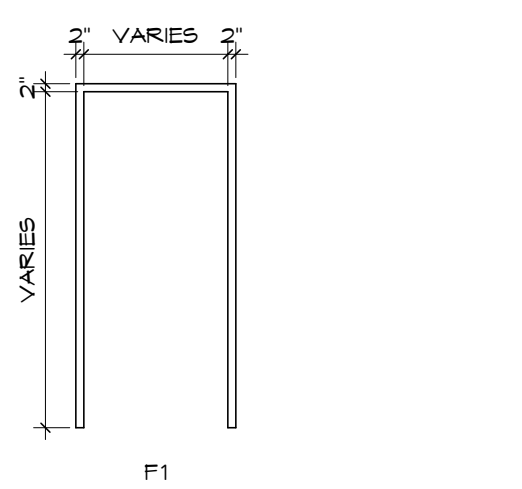
Autodesk Docs\Benham's Grove\2627_00 - Benham's Grove - Event Space & Site R22 ARCH CENTRAL.rvt

DOOR SCHEDULE															
DOOR NO.	INTERIOR / EXTERIOR	SINGLE / PAIR	WIDTH	HEIGHT	THICKNESS	TYPE	DOOR	GLAZING	FRAME	MATERIAL	JAMB	HEAD	HARDWARE	FIRE RATING	REMARKS
101A	EXT	PAIR	3'-2"	8'-0"	1 3/4"	D2	ALUM	G3	GN23	ALUM	GN23	GN23	G1		
101B	EXT	PAIR	3'-2"	8'-0"	1 3/4"	D2	ALUM	G3	GN23	ALUM	GN23	GN23	G1		
101C	EXT	PAIR	3'-2"	8'-0"	1 3/4"	D3	ALUM	G3	GN23	ALUM	GN23	GN23	G1		
101D	EXT	PAIR	3'-2"	8'-0"	1 3/4"	D2	ALUM	G3	GN23	ALUM	GN23	GN23	G1		
101E	EXT	PAIR	3'-2"	8'-0"	1 3/4"	D2	ALUM	G3	GN23	ALUM	GN23	GN23	G1		
102A	EXT	PAIR	3'-6"	8'-0"	1 3/4"	D4	ALUM	G5							
102B	INT	PAIR	3'-6"	8'-0"	1 3/4"	D4	ALUM	G5							
103	INT	SINGLE	3'-6"	T-0"	1 3/4"	D1	MD	N/A	F1	HM	J1	H1	G3		
104	INT	SINGLE	3'-0"	T-0"	1 3/4"	D1	MD	N/A	F1	HM	J1	H1	G4		
105	INT	SINGLE	3'-0"	T-0"	1 3/4"	D1	MD	N/A	F1	HM	J1	H1	G4		
107	INT	SINGLE	3'-0"	T-0"	1 3/4"	D1	MD	N/A	F1	HM	J1	H1	G3		
108	INT	SINGLE	3'-0"	T-0"	1 3/4"	D1	MD	N/A	F1	HM	J1	H1	G3		
109	INT	SINGLE	3'-0"	T-0"	1 3/4"	D1	MD	N/A	F1	HM	J1	H1	G3		
109A	INT	SINGLE	3'-0"	T-0"	1 3/4"	D1	MD	N/A	F1	HM	J1	H1	G3		
110	INT	SINGLE	3'-0"	T-0"	1 3/4"	D1	MD	N/A	F1	HM	J1	H1	G3		
111	INT	SINGLE	3'-0"	T-0"	1 3/4"	D3	MD	G1	F1	HM	J1	H1	G1		1/4" CLEAR TEMPERED GLASS
112	INT	SINGLE	3'-0"	T-0"	1 3/4"	D1	MD	N/A	F1	HM	J1	H1	G1		
113	INT	SINGLE	3'-0"	T-0"	1 3/4"	D1	MD	N/A	F1	HM	J1	H1	G3		
114	INT	SINGLE	3'-6"	T-0"	1 3/4"	D1	MD	N/A	F1	HM	J1	H1	G3		
115	EXT	SINGLE	3'-6"	T-0"	1 3/4"	D1	MD	N/A	F1	HM	J1	H1	G3		
116	INT	SINGLE	3'-3 1/2"	T-0"	1 3/4"	D2	ALUM	G3	GN18	ALUM	GN18	GN18	G3		
202	INT	SINGLE	3'-0"	T-0"	1 3/4"	D1	MD	N/A	F1	HM	J1	H1	G3		
203	INT	SINGLE	3'-0"	T-0"	1 3/4"	D1	MD	N/A	F1	HM	J1	H1	G3		

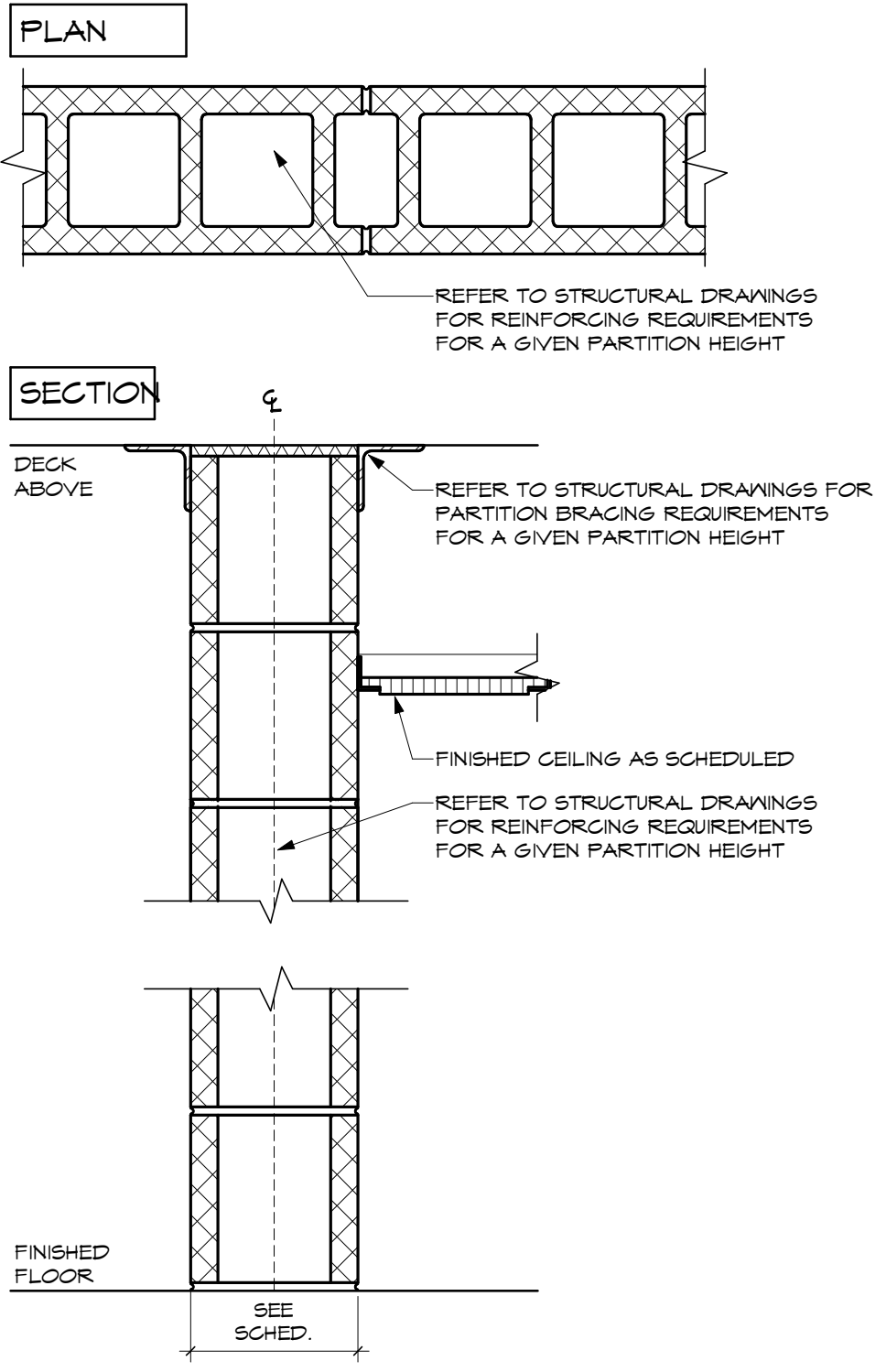
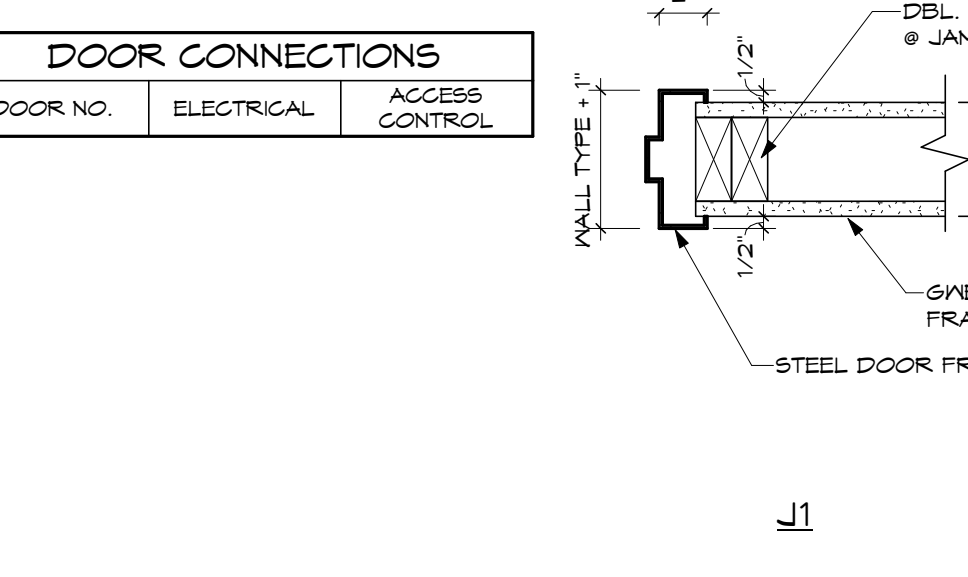
- Set 01**
- 2 ea Continuous Hinge D-FM-SLF-HD1 T10 Fenko
 - 1 ea Exit Device ED9800 613E Corbin Russwin
 - 1 ea Exit Device ED9800 x K18/TET 613E Corbin Russwin
 - 1 ea Cylinder As required 613E Corbin Russwin
 - 2 ea Offset Pull BF158 Rockwood
 - 2 ea Surface Closer w/ stop 4 hold CPS-1900T 640 Norton
 - 2 ea Conc. Overhead Stop 1ADJ series T10 Fenko
 - 1 ea Threshold 318DN T10 Fenko
 - 2 ea Sweep 318DN T10 Fenko
 - 1 set Meeting Stile Gasketing By Door Manufacturer
- Set 02**
- 2 ea Continuous Hinge D-FM-SLF-HD1 T10 Fenko
 - 2 ea Push/Pull Bar Set BF154T 613E Corbin Russwin
 - 2 ea Surface Closer PR-1800 640 Norton
 - 2 ea Conc. Overhead Stop 1ADJ series 640 Rison
- Set 03**
- 1 Hardware by Door Manufacturer/Supplier.
- Set 04**
- 2 ea Continuous Hinge D-FM-SLF-HD1 T10 Fenko
 - 1 ea Exit Device ED9800 613E Corbin Russwin
 - 1 ea Exit Device ED9800 x K18/TET 613E Corbin Russwin
 - 1 ea Cylinder As required 613E Corbin Russwin
 - 2 ea Offset Pull BF158 Rockwood
 - 2 ea Surface Closer w/ stop 4 hold CPS-1900T 640 Norton
 - 1 ea Threshold T10 Fenko
 - 2 ea Sweep 318DN T10 Fenko
 - 1 set Perimeter Gasketing By Door Manufacturer
 - 1 set Meeting Stile Gasketing By Door Manufacturer
- Set 05**
- 2 ea Hinge As specified above 613E McKinley
 - 1 ea Push/Pull Bar Set BF154T 613E Rockwood
 - 1 ea Surface Closer 2501 640 Norton
 - 1 ea Wall Stop 406 613E Rockwood
- Set 06**
- 2 ea Hinge As specified above 613E McKinley
 - 1 ea Glass/Lock GL3585 PZD 613E Corbin Russwin
 - 1 ea Surface Overhead Stop 10 series 640 Rison
- Set 07**
- 2 ea Hinge As specified above 613E McKinley
 - 1 ea Entrance Lock GL3581 PZ 613E Corbin Russwin
 - 1 ea Surface Closer w/ stop CPS-2901 640 Norton
 - 1 ea Threshold T10 Fenko
 - 1 ea Sweep 318DN T10 Fenko
 - 1 ea Head Seal 2841DS T10 Fenko
 - 2 ea Jamb Seal 2902DS T10 Fenko
 - 1 ea Rain Drip 346D T10 Fenko
- Set 08**
- 2 ea Hinge As specified above 613E McKinley
 - 1 ea Privacy Set GL3000 PZD 640 Norton
 - 1 ea Wall Stop 409 613E Rockwood
 - 1 set Perimeter Gasketing 302DS T10 Fenko
 - 1 ea Door Bottom Shoe 314DN T10 Fenko
- Set 09**
- 2 ea Hinge As specified above 613E McKinley
 - 1 ea Pull Plate 70C 613E Rockwood
 - 1 ea Pull Plate 110 x 70C 613E Rockwood
 - 1 ea Closer 9901 640 Norton
 - 1 ea Wall Stop 406 613E Rockwood
- Set 10**
- 2 ea Hinge As specified above 613E McKinley
 - 1 ea Stairroom Lock GL3587 PZD 613E Corbin Russwin
 - 1 ea Closer 2901 640 Norton
 - 1 ea Wall Stop 406 613E Rockwood
 - 1 set Perimeter Gasketing 302DS T10 Fenko
 - 1 ea Door Bottom Shoe 314DN T10 Fenko
- Set ALT 01**
- 2 ea Continuous Hinge D-FM-SLF-HD1 T10 Fenko
 - 1 ea Exit Device ED9800 613E Corbin Russwin
 - 1 ea Exit Device ED9800 x K18/TET 613E Corbin Russwin
 - 1 ea Cylinder As required 613E Corbin Russwin
 - 2 ea Offset Pull BF158 Rockwood
 - 2 ea Surface Closer w/ stop 4 hold CPS-1900T 640 Norton
 - 1 ea Threshold T10 Fenko
 - 2 ea Sweep 318DN T10 Fenko
 - 1 set Perimeter Gasketing By Door Manufacturer
 - 1 set Meeting Stile Gasketing By Door Manufacturer



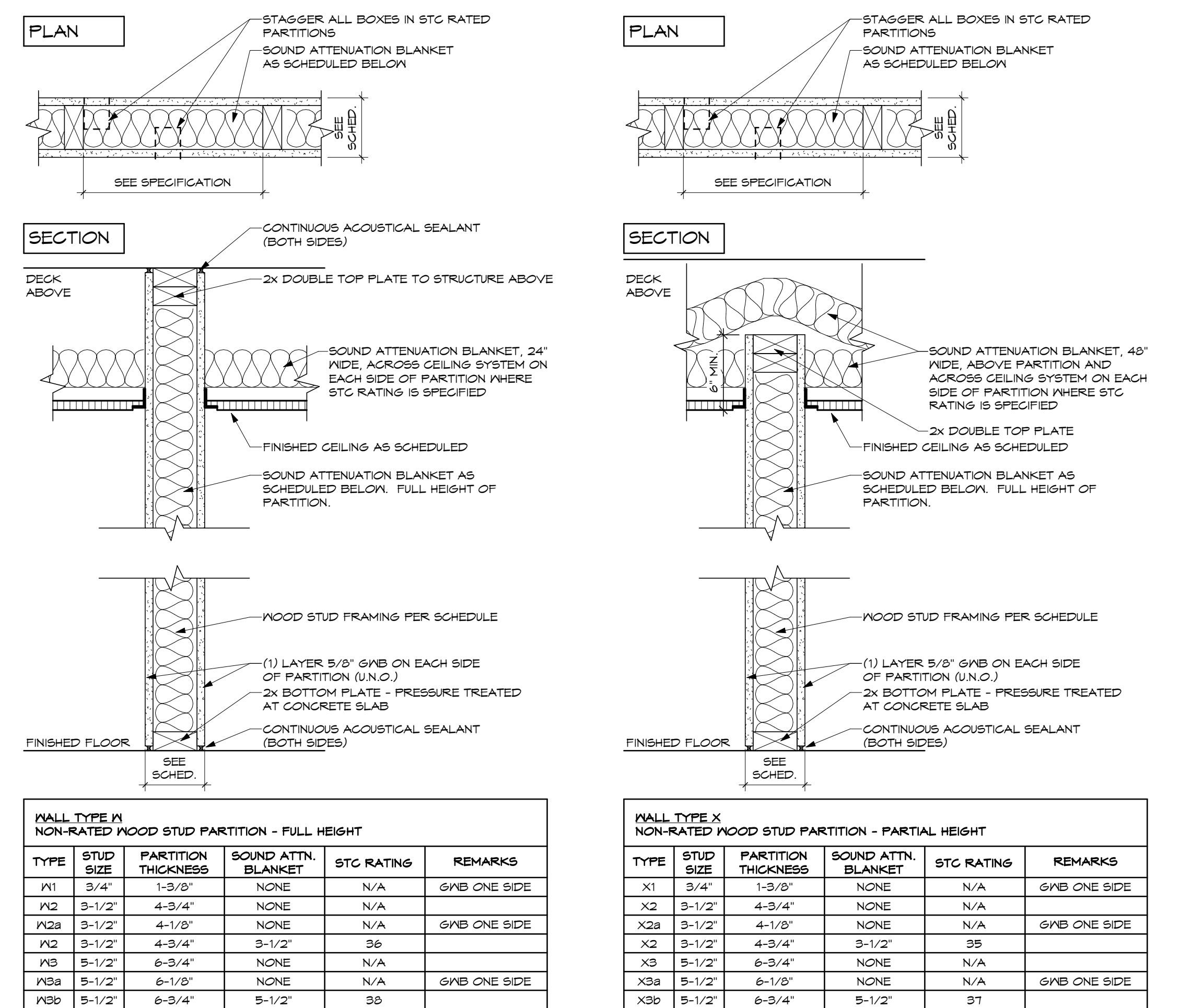
1 DOOR TYPE
SCALE: N.T.S.



2 DOOR FRAME TYPE
SCALE: N.T.S.

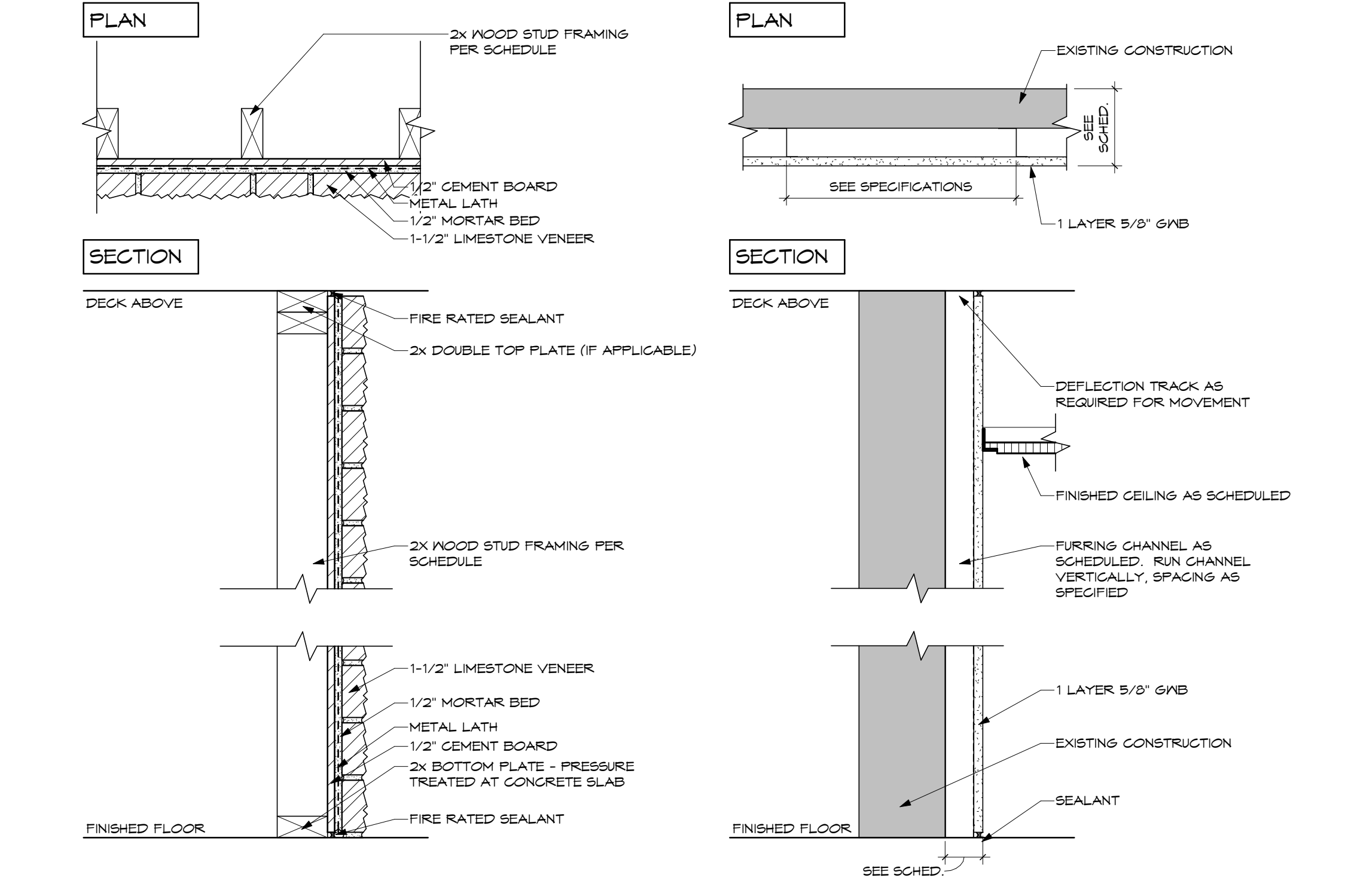


WALL TYPE G MASONRY PARTITION			
TYPE	CMU SIZE	PARTITION THICKNESS	STC RATING (# 1254 PCF)
G1	4"	3-5/8"	44 HOLLOW / 41 SOLID
G2	6"	3-5/8"	48 HOLLOW / 52 SOLID
G3	8"	7-5/8"	48 HOLLOW / 51 GROUTED
G4	10"	9-5/8"	50 HOLLOW / 60 GROUTED
G5	12"	11-5/8"	52 HOLLOW / 63 GROUTED



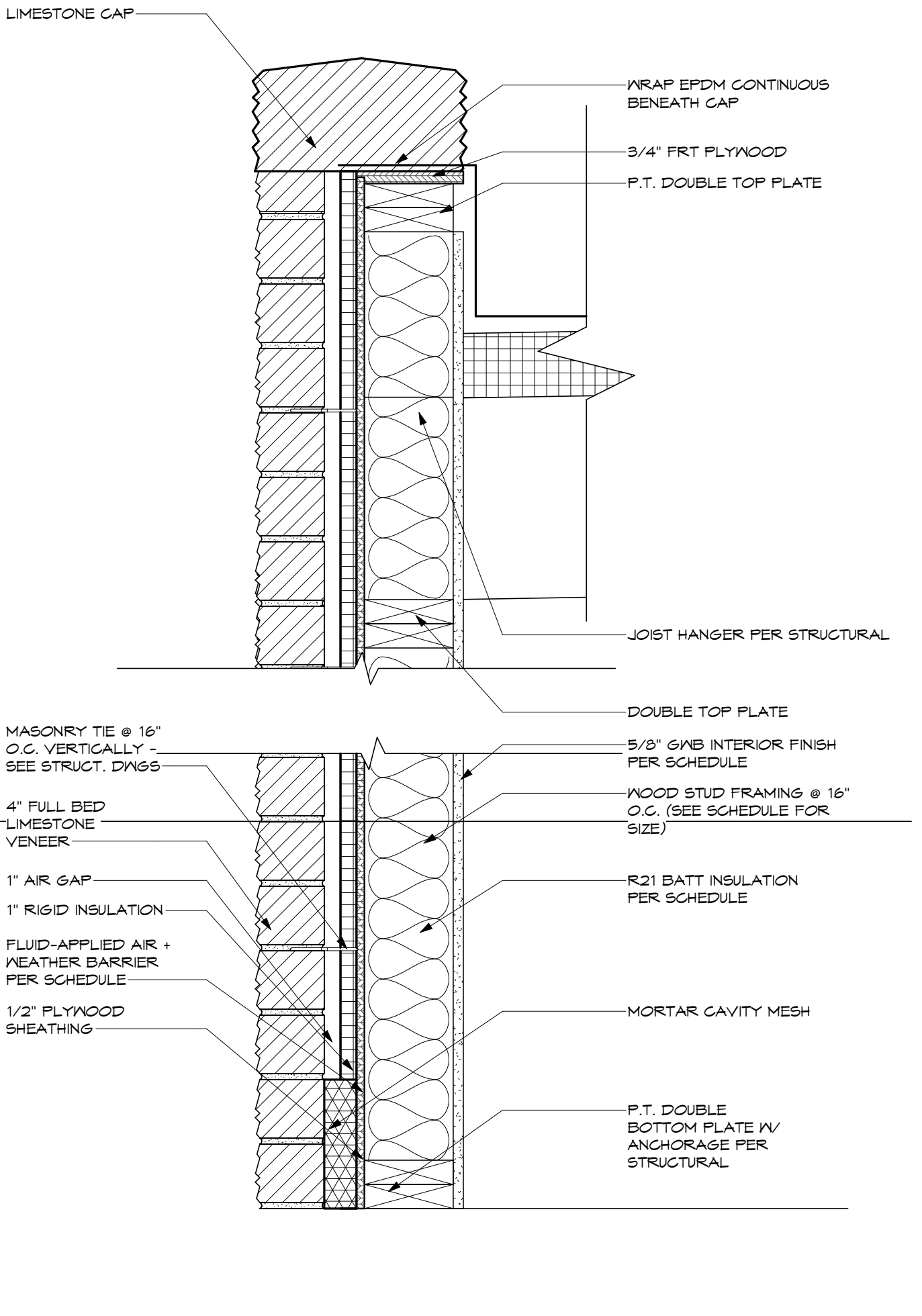
WALL TYPE M NON-RATED WOOD STUD PARTITION - FULL HEIGHT					
TYPE	STUD SIZE	PARTITION THICKNESS	SOUND ATTN. BLANKET	STC RATING	REMARKS
M1	3/4"	1-3/2"	NONE	N/A	G/MB ONE SIDE
M2	3-1/2"	4-3/4"	NONE	N/A	G/MB ONE SIDE
M3	3-1/2"	4-1/8"	NONE	N/A	G/MB ONE SIDE
M4	3-1/2"	4-3/4"	3-1/2"	36	
M5	3-1/2"	6-3/4"	NONE	N/A	G/MB ONE SIDE
M6	3-1/2"	6-1/8"	NONE	N/A	G/MB ONE SIDE
M7	3-1/2"	6-3/4"	5-1/2"	35	

WALL TYPE K NON-RATED WOOD STUD PARTITION - PARTIAL HEIGHT					
TYPE	STUD SIZE	PARTITION THICKNESS	SOUND ATTN. BLANKET	STC RATING	REMARKS
X1	3/4"	1-3/2"	NONE	N/A	G/MB ONE SIDE
X2	3-1/2"	4-3/4"	NONE	N/A	G/MB ONE SIDE
X2a	3-1/2"	4-1/8"	NONE	N/A	G/MB ONE SIDE
X2	3-1/2"	4-3/4"	3-1/2"	35	
X3	3-1/2"	6-3/4"	NONE	N/A	G/MB ONE SIDE
X3a	3-1/2"	6-1/8"	NONE	N/A	G/MB ONE SIDE
X3b	3-1/2"	6-3/4"	5-1/2"	31	

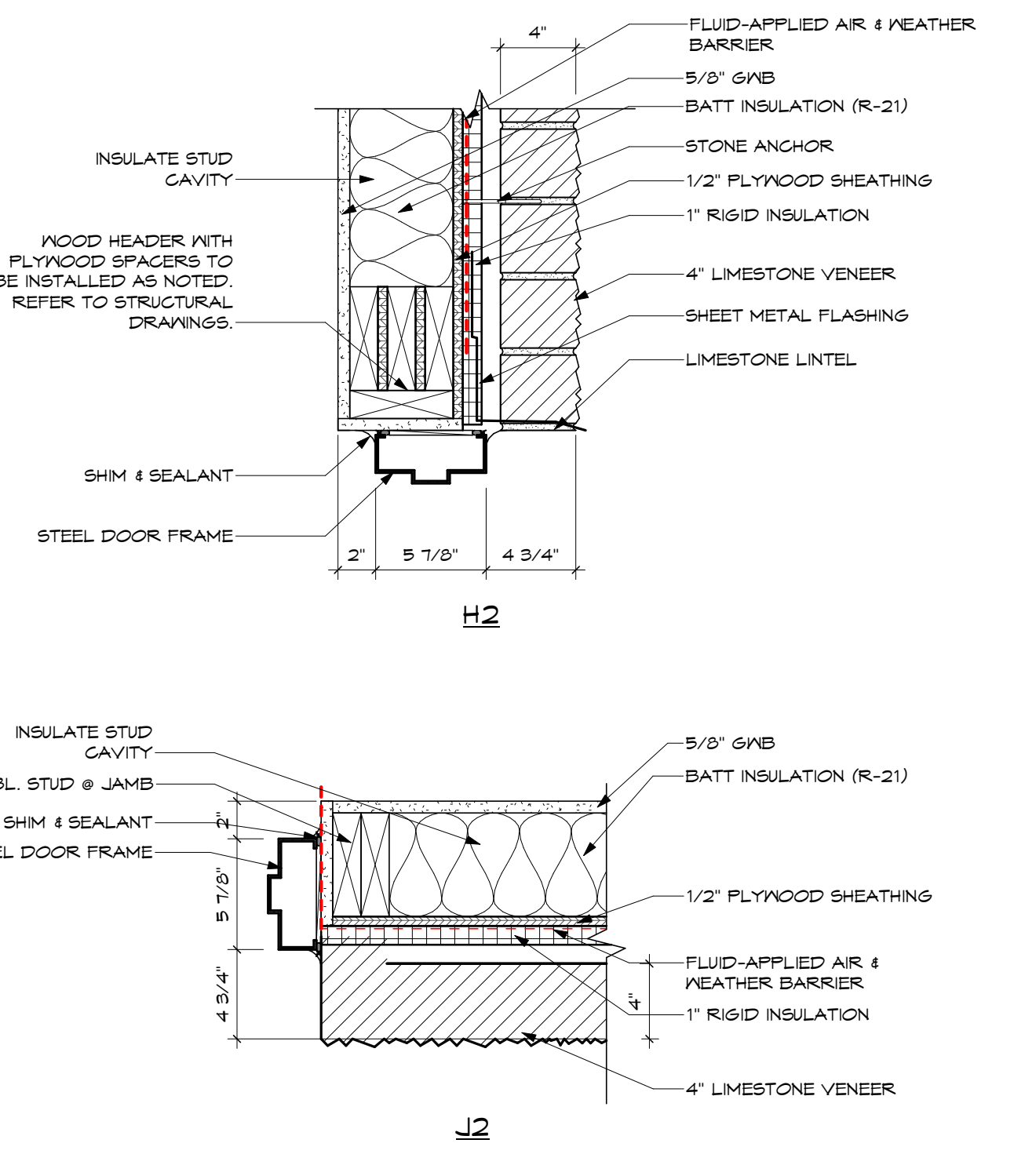


WALL TYPE LV LIMESTONE VENEER			
TYPE	STUD SIZE	PARTITION THICKNESS	REMARKS
LV1	0"	2-1/2"	FURRED DIRECTLY ONTO CMU FIRE RATED.
LV2	3-1/2"	6"	N/A
LV3	3-1/2"	8"	N/A

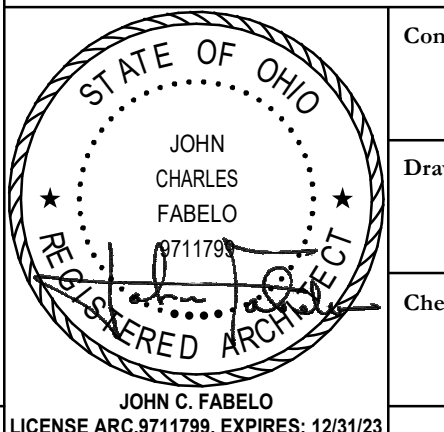
WALL TYPE F FURRED PARTITION				
TYPE	STUD SIZE	PARTITION THICKNESS	SOUND ATTN. BLANKET	STC RATING
F1	7/8\"/>			



WALL TYPE L LIMESTONE BEARING MALL				
TYPE	STUD SIZE	PARTITION THICKNESS	REMARKS	
L1	5-1/2"	1' 0-3/8"	EXTERIOR MALL, PROVIDE VAPOR BARRIER, INSULATION, AND INTERIOR FINISH.	
L2	5-1/2"	1' 0-3/8"	INTERIOR MALL, PROVIDE INTERIOR FINISH.	
L3	3-1/2"	10'	INTERIOR MALL, FURRED ONTO CMU.	

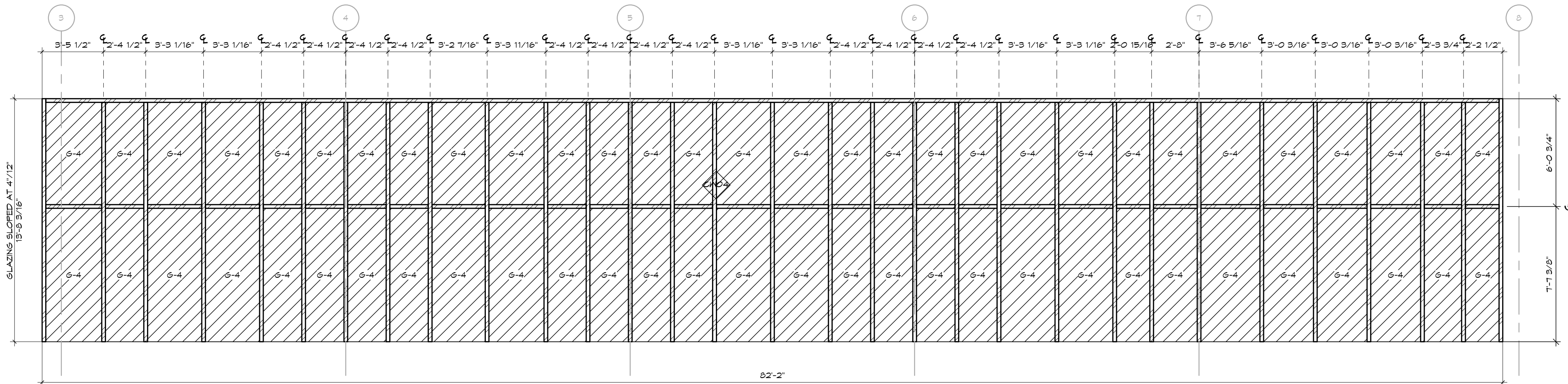


Event Center & Site Rebid		2023-11-21
No.	Revisions / Submissions	Date
LWC INCORPORATED		
434 East First Street Dayton, OH 45402 937.223.6500 712 East Main Street Richmond, IN 47374 765.966.3546		
City of Centerville Benham's Grove		
Event Center & Site Improvements		
250 N MAIN ST, CENTERVILLE, OH 45459		
DOOR SCHEDULES AND DETAILS		
Comm. No.	Date	2023-11-21
22627.00		
Drawn	A.H.F.	Drawing No.
Checked	L.L.	E.A001

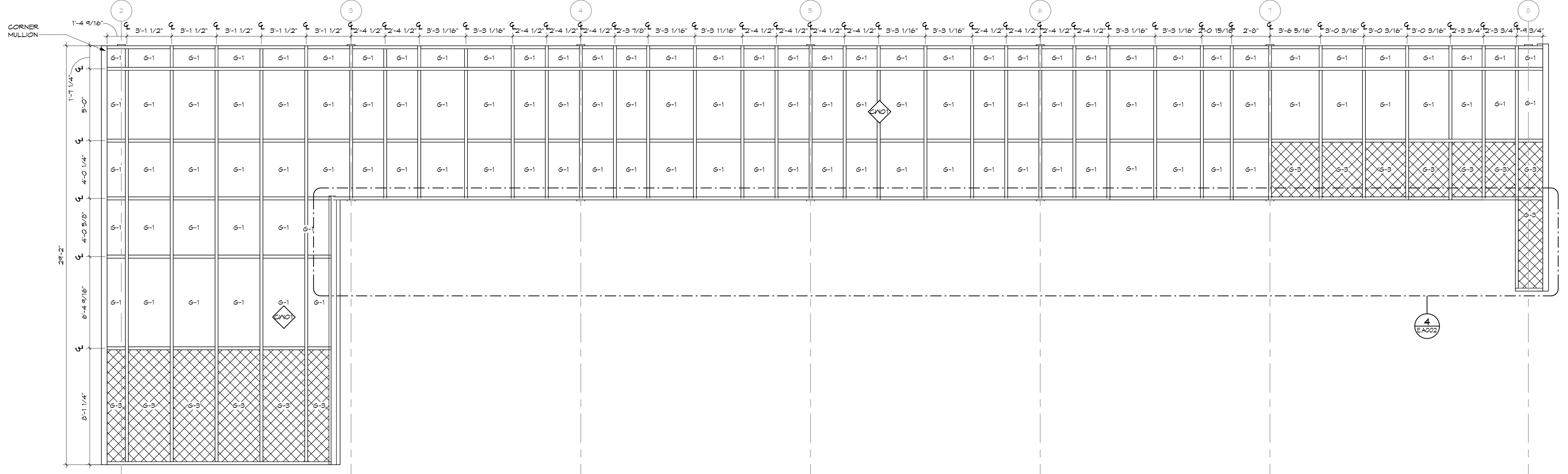


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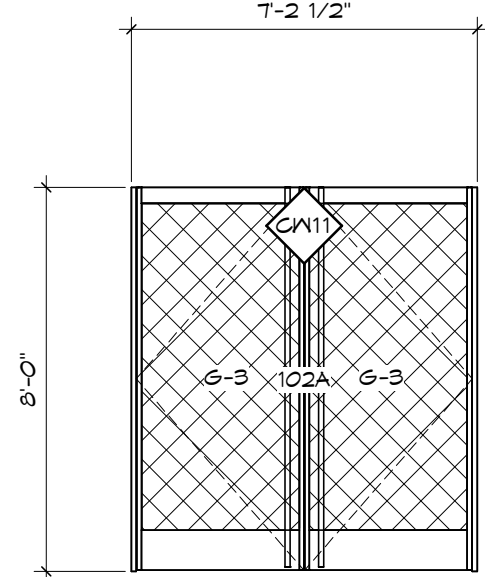
GLAZING TYPES	
TAG	GLAZING TYPE
G-1	1" INSULATING GLAZING
G-2	1"-5/16" SPANDREL INSULATING GLAZING, TEMPERED
G-3	1" INSULATING GLAZING, TEMPERED
G-4	1" INSULATING GLAZING, TEMPERED LAMINATED SAFETY GLASS PV MINIMUM 32-MIL COMPLIANT INTERLAYER



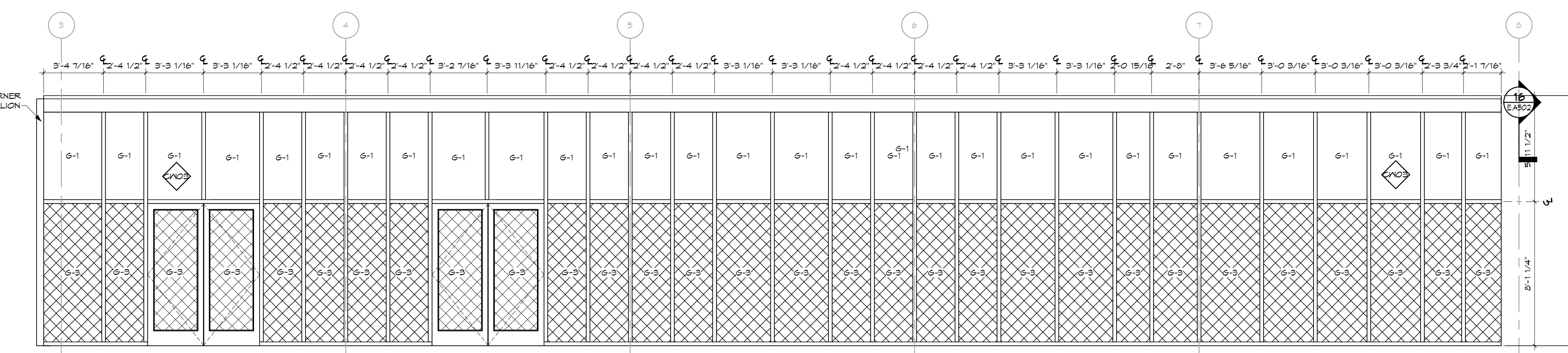
4 ALUMINUM FRAMES - SLOPED NORTH ROOF
SCALE: 1/4" = 1'-0"



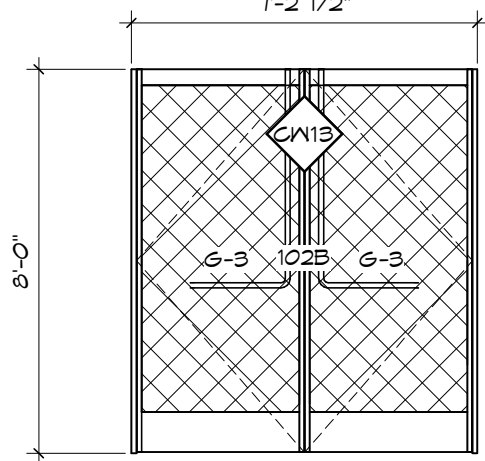
5 ALUMINUM FRAMES - NORTH
SCALE: 1/4" = 1'-0"



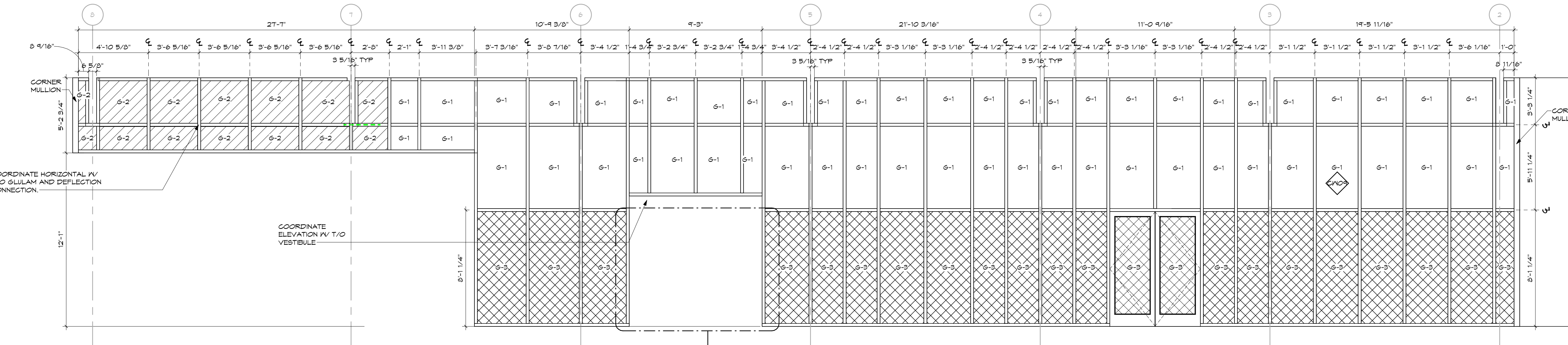
3 VESTIBULE FRAMES - SOUTH
SCALE: 1/4" = 1'-0"



2 ALUMINUM FRAMES - NORTH
SCALE: 1/4" = 1'-0"



6 VESTIBULE FRAMES - NORTH
SCALE: 1/4" = 1'-0"



1 ALUMINUM FRAMES - SOUTH
SCALE: 1/4" = 1'-0"

No.	Revisions / Submissions	Date
1	ADDENDUM 1	2023-10-24
4	ADDENDUM 4	2023-11-08
1	Event Center & Site ReBid	2023-11-21

LWC
INCORPORATED
434 East First Street Dayton, OH 45402 937.223.6500
712 East Main Street Richmond, IN 47374 765.966.3546

City of Centerville
Benham's Grove

Event Center & Site Improvements

250 N MAIN ST, CENTERVILLE, OH 45459

ALUMINUM FRAMES AND DETAILS

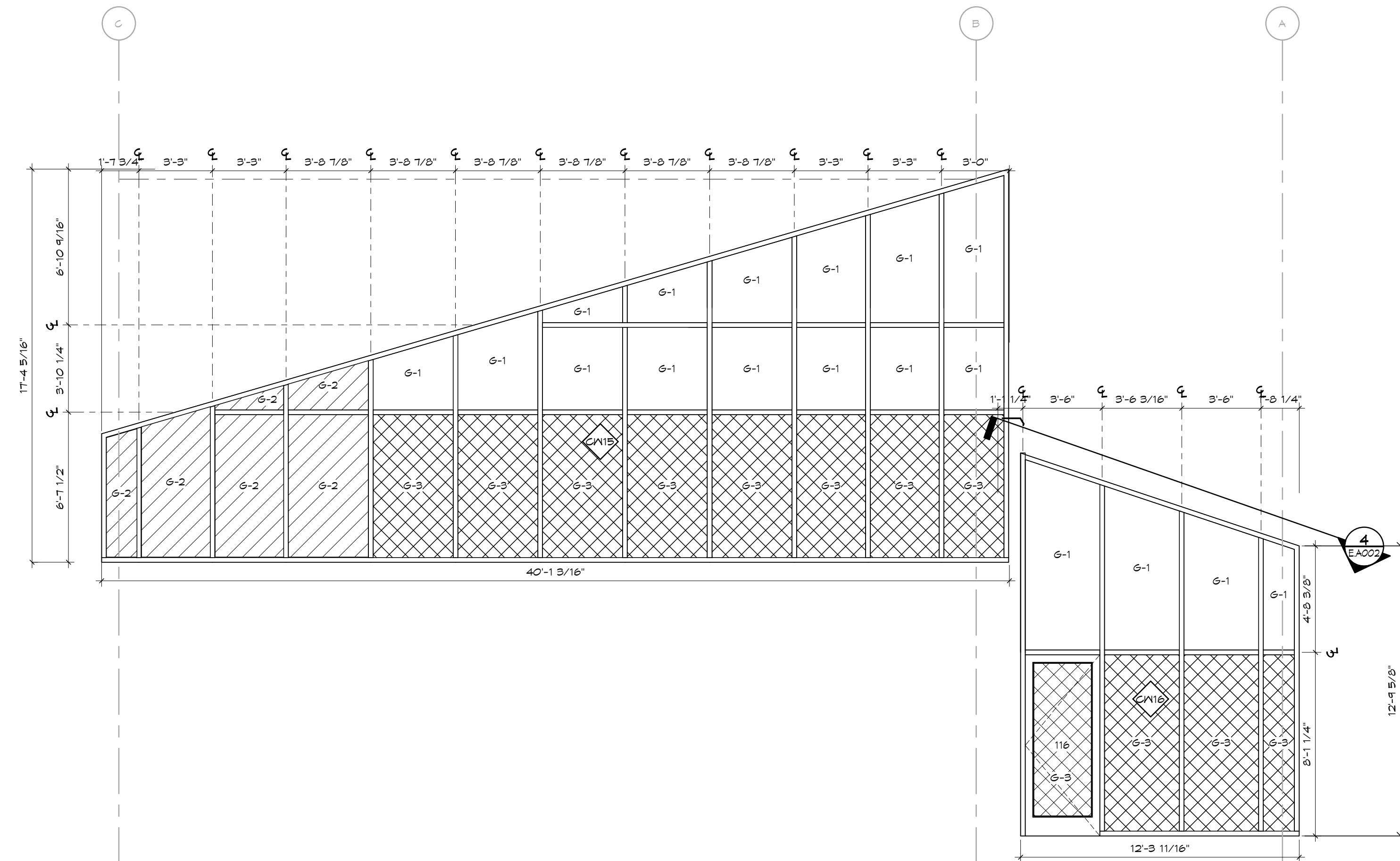
	Comm. No.	Date
	22627.00	2023-11-21
	Drawn	Drawing No.
	A.M.F.	E.A002
Checked	L.L.	

JOHN C. FABELO
LICENSE ARC 971799, EXPIRES: 12/31/23

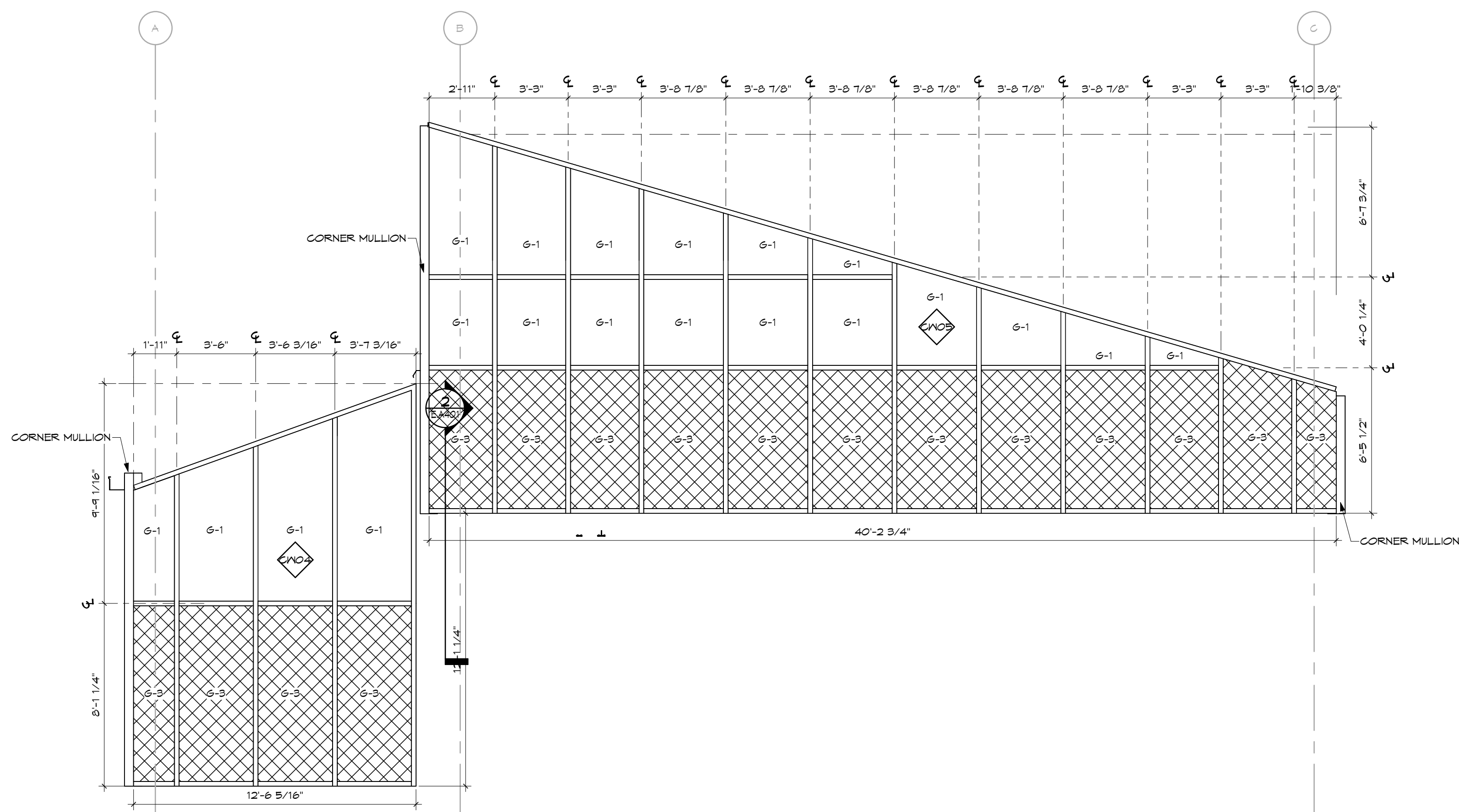
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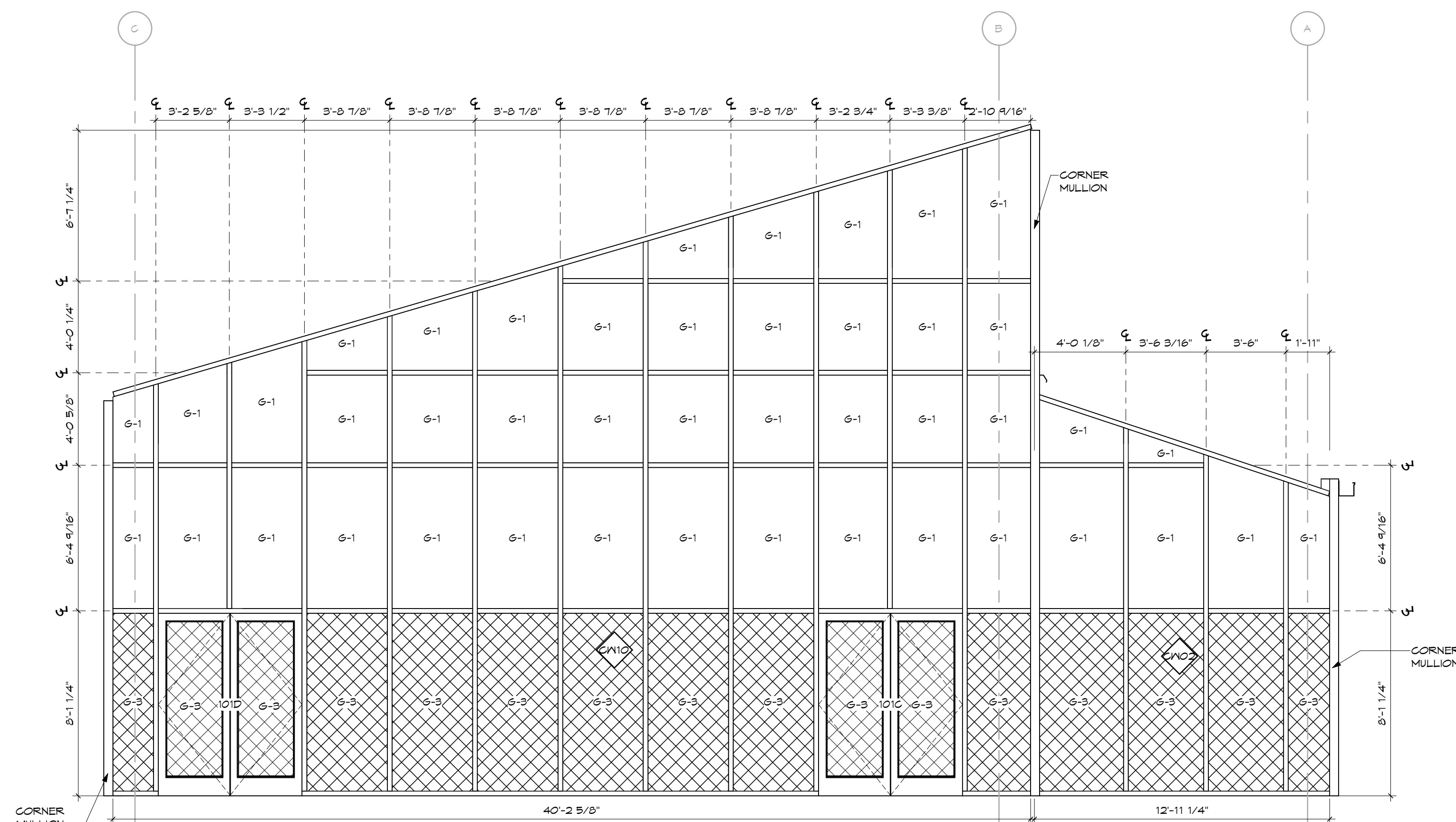
GLAZING TYPES	
TAG	GLAZING TYPE
G-1	1" INSULATING GLAZING
G-2	1+5/16" SPANDREL INSULATING GLAZING, TEMPERED
G-3	1" INSULATING GLAZING, TEMPERED
G-4	1" INSULATING GLAZING, TEMPERED LAMINATED SAFETY GLASS PV MINIMUM 32-MIL COMPLIANT INTERLAYER



3 ALUMINUM FRAMES - WEST INTERIOR
SCALE: 1/4" = 1'-0"



2 ALUMINUM FRAMES - WEST
SCALE: 1/4" = 1'-0"



1 ALUMINUM FRAMES - EAST
SCALE: 1/4" = 1'-0"

No.	Revisions / Submissions	Date
1	ADDENDUM 1	2023-10-24
1	ADDENDUM 4	2023-11-08

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ALUMINUM FRAMES AND DETAILS

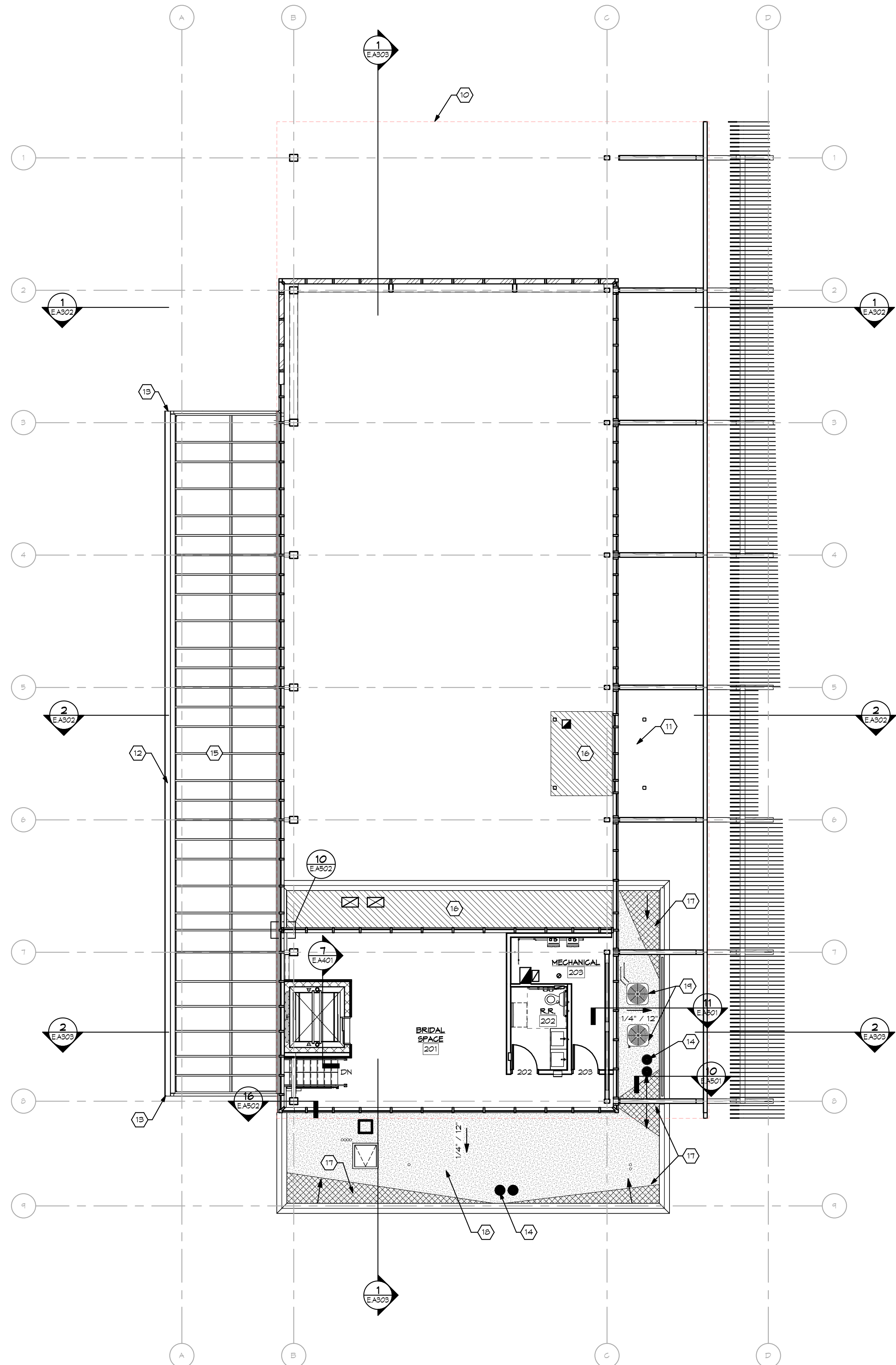
	Comm. No.	Date
	22627.00	2023-11-21
	Drawn	Drawing No.
	A.M.F.	E.A003
Checked	L.L.	

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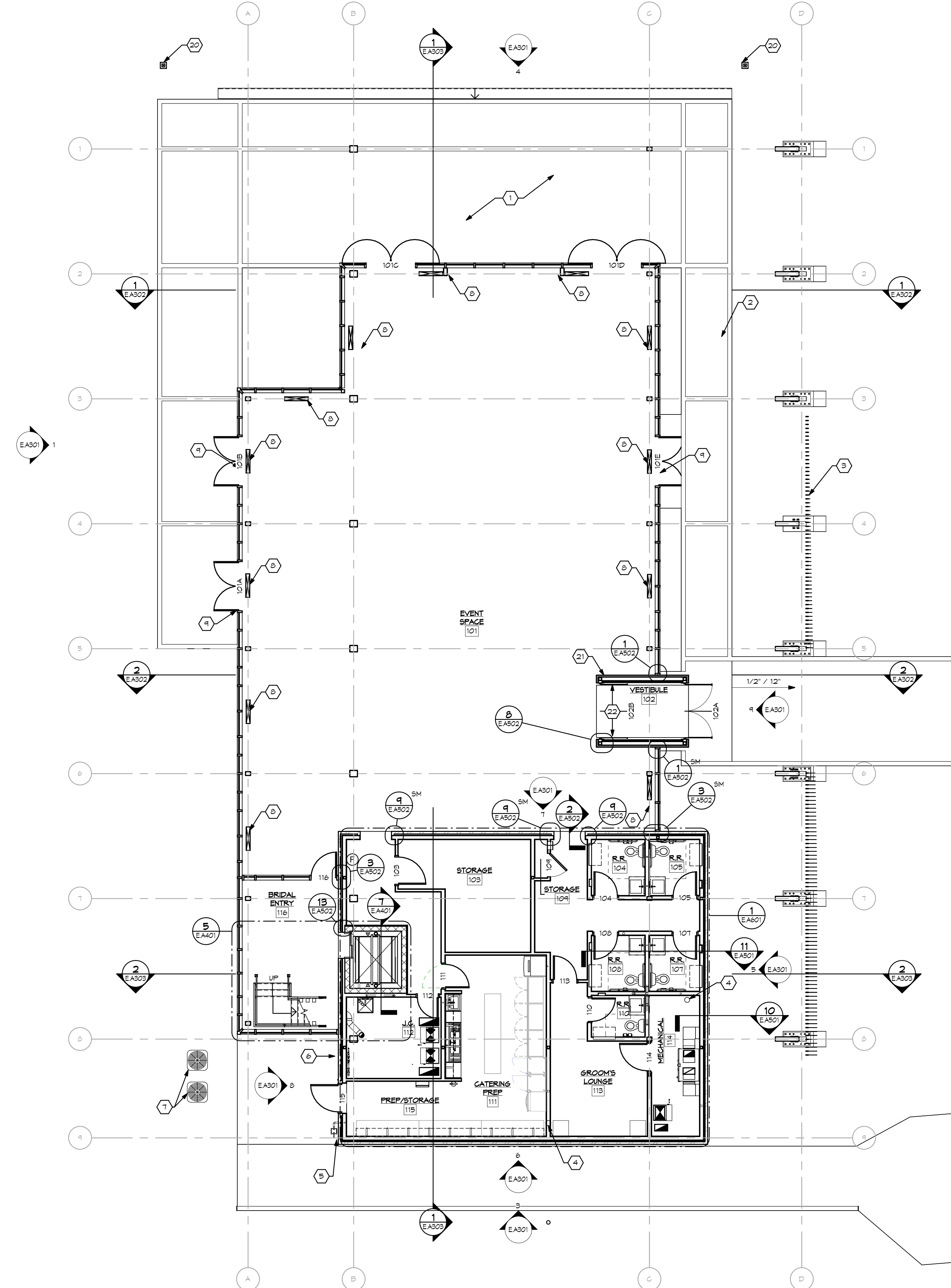
Autodesk Docs://Benham's Grove/2627.00 - Benham's Grove - Event Space & Site R22 ARCH CENTRAL.rvt 11/12/2023 4:12:43 PM

SHEET NOTES:

1. COVERED EXTERIOR PATIO. SLOPE AWAY FROM BUILDING.
2. COVERED EXTERIOR WALKWAY.
3. VELL GANGWAY CONSTRUCTION. SEE AS05 FOR DETAILS.
4. INTERNAL ROOF DRAIN TO STORM UNDERGROUND.
5. GAS METER. SEE MEP DWGS.
6. ELECTRICAL SERVICE EQUIPMENT. SEE MEP DWGS.
7. GROUND MOUNT MECHANICAL UNITS. SEE MEP DWGS.
8. TYP. RECESSED IN SLAB MECHANICAL DIFFUSOR. SEE MEP DWGS.
9. MANUAL SLIDING DOOR.
10. ROOF OVERHANG EXTENTS.
11. VESTIBULE ROOF.
12. INTEGRAL GUTTER SYSTEM.
13. DOWNSPOUT DRAIN TO GRADE.
14. INTERNAL DOWNSPOUT TO UNDERGROUND.
15. EXTERIOR SKYLIGHT ROOF SYSTEM.
16. ACOUSTIC MATERIAL LAID IN. LEAVE AIR DEVICES CLEAR.
17. TAPERED INSULATION.
18. 60 MIL EPDM FULLY ADHERED MEMBRANE ROOFING.
19. ROOF MOUNTED MECHANICAL UNITS.
20. SITE FILE FOR STRING LIGHTS.
21. PHENOLIC PANEL SYSTEM. SEE DETAILS AND SPEC.
22. WHITE OAK BOARDS SPACE GAPPED. SEE DETAILS.



2 SECOND FLOOR PLAN
SCALE: 1/8" = 1'-0"



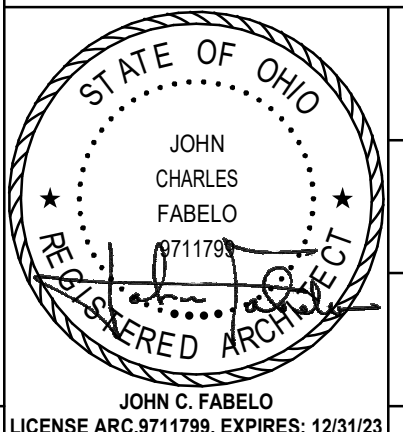
1 FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"

1	ADDENDUM 1	2023-10-24
2	ADDENDUM 2	2023-11-01
No.	Revisions / Submissions	Date

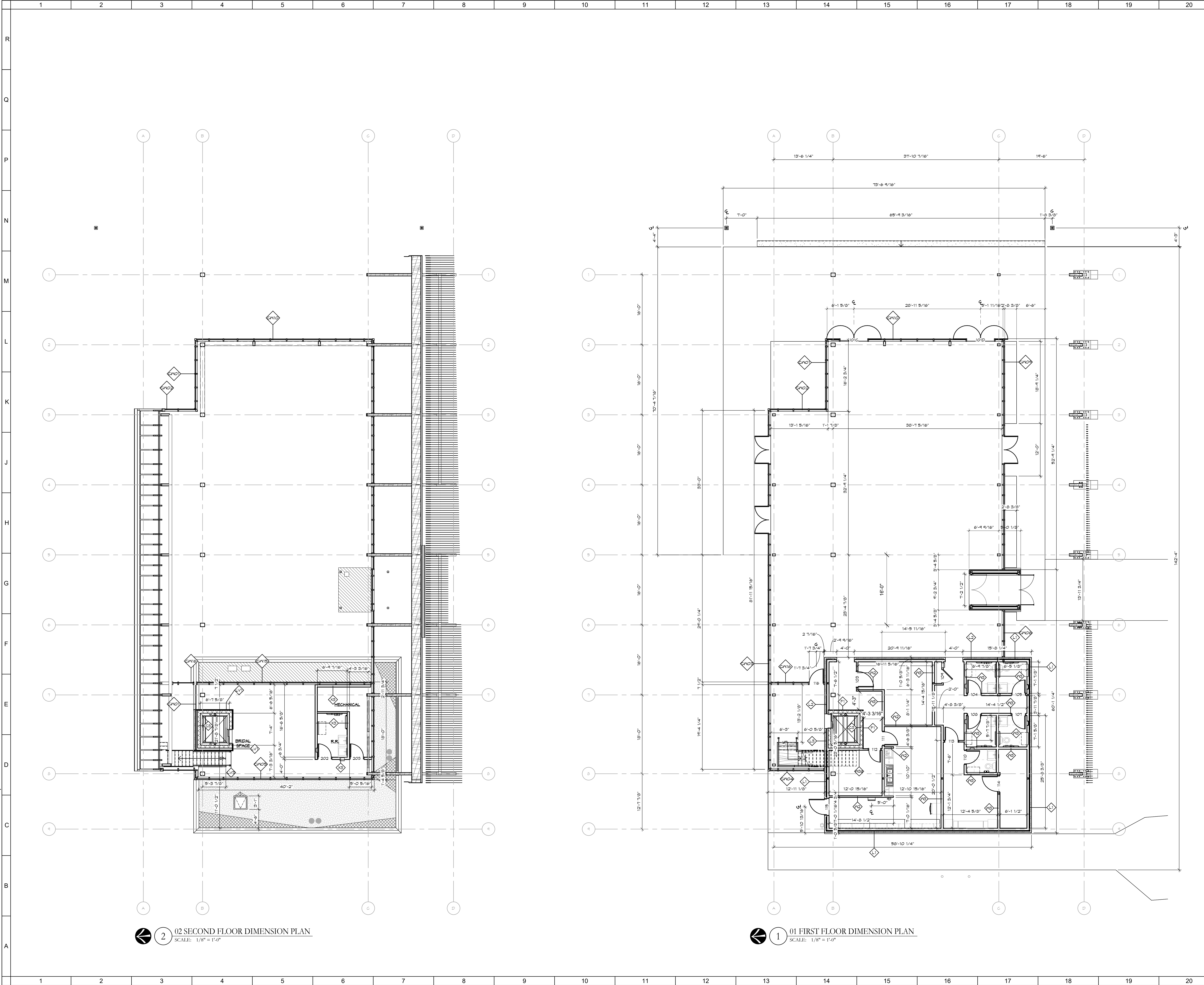
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FLOOR PLAN	
Comm. No. 22627.00	Date 2023-11-21
Drawn C.L.W.	Drawing No. E.A101
Checked L.L.	



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2 02 SECOND FLOOR DIMENSION PLAN
SCALE: 1/8" = 1'-0"

1 01 FIRST FLOOR DIMENSION PLAN
SCALE: 1/8" = 1'-0"

SHEET NOTES:

1. COVERED EXTERIOR PATIO. SLOPE AWAY FROM BUILDING.
2. COVERED EXTERIOR WALKWAY.
3. VELL CANOPY CONSTRUCTION. SEE A503 FOR DETAILS.
4. INTERNAL ROOF DRAIN TO STORM UNDERGROUND.
5. GAS METER. SEE MEP DWGS.
6. ELECTRICAL SERVICE EQUIPMENT. SEE MEP DWGS.
7. GROUND MOUNT MECHANICAL UNITS. SEE MEP DWGS.
8. TYP. RECESSED IN SLAB MECHANICAL DIFFUSER. SEE MEP DWGS.
9. MANUAL SLIDING DOOR.
10. ROOF OVERHANG EXTENTS.
11. VESTIBULE ROOF.
12. INTEGRAL SUTTER SYSTEM.
13. DOWNSPOUT DRAIN TO GRADE.
14. INTERNAL DOWNSPOUT TO UNDERGROUND.
15. EXTERIOR SKYLIGHT ROOF SYSTEM.
16. ACOUSTIC MATERIAL LAID IN. LEAVE AIR DEVICES CLEAR.
17. TAPERED INSULATION.
18. 60 MIL EPDM FULLY ADHERED MEMBRANE ROOFING.
19. ROOF MOUNTED MECHANICAL UNITS.
20. SITE POLE FOR STRING LIGHTS.
21. PHENOLIC PANEL SYSTEM. SEE DETAILS AND SPEC.
22. WHITE OAK BOARDS. SPACE GAPPED. SEE DETAILS.

No.	Revisions / Submissions	Date
1	ADDENDUM 1	2023-10-24
2	ADDENDUM 2	2023-11-01
3	ADDENDUM 3	2023-11-03
4	Event Center & Site ReBid	2023-11-21

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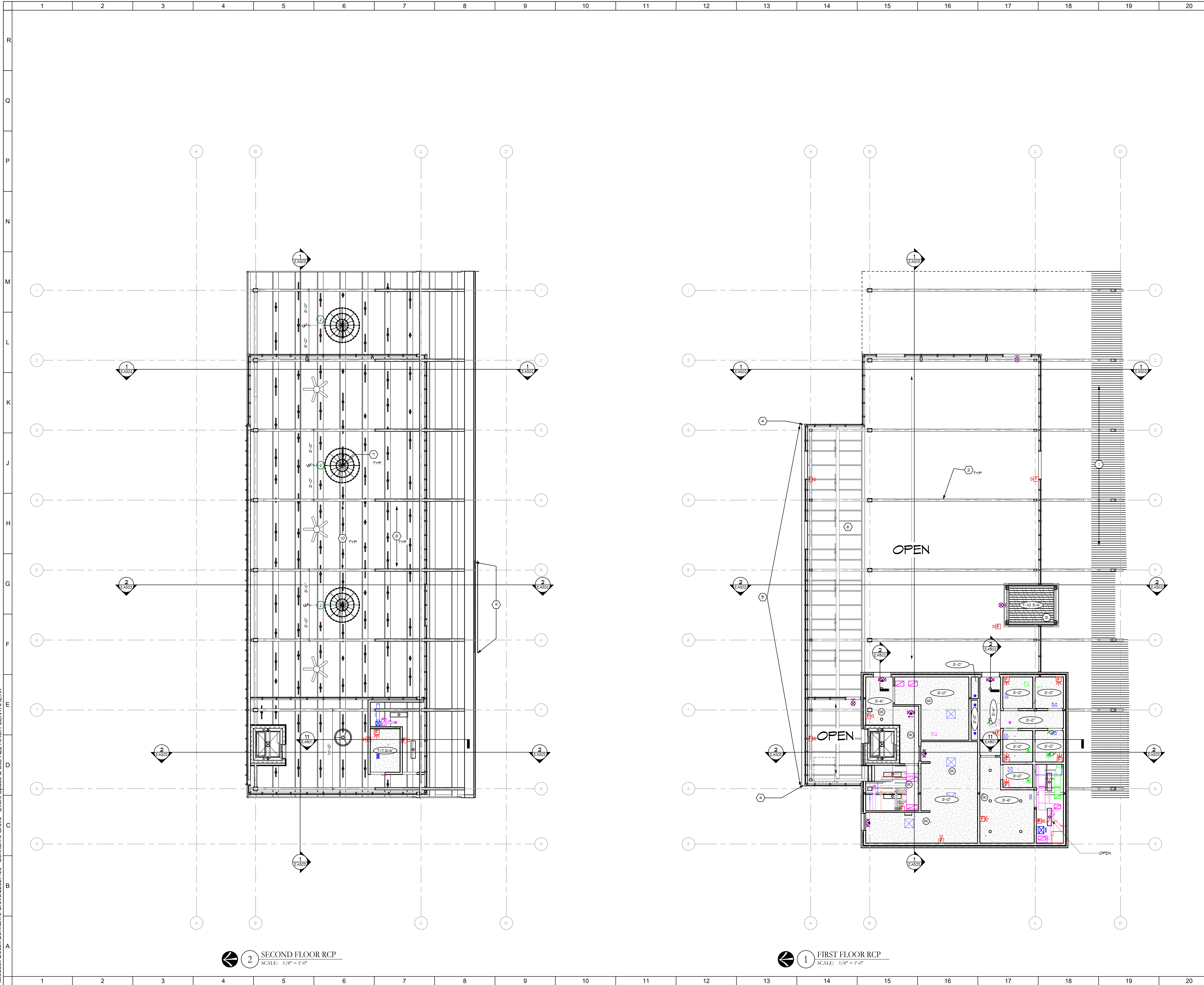
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DIMENSION FLOOR PLAN

	Comm. No.	Date
	22627.00	2023-11-21
	Drawn	Drawing No.
	C.L.W.	E.A101.1
Checked	L.L.	

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2 SECOND FLOOR RCP
SCALE: 1/8" = 1'-0"

1 FIRST FLOOR RCP
SCALE: 1/8" = 1'-0"

SHEET NOTES:

1. VEIL CONSTRUCTION, SEE E.A.203 FOR DETAILS.
2. GULLAM ARCH.
3. 3/4" X 8" WHITE OAK BOARDS (STAINED).
4. DOWNSPOUT.
5. EXTENTS OF INTEGRAL GUTTER.
6. SLOPED SKYLIGHT CURTAINWALL SYSTEM.
7. CEILING MOUNTED PENDANT FIXTURE, HEIGHTS & MOUNTING LOCATIONS TO BE COORDINATED BY ARCHITECT.
8. GULLAM DECK PANEL.
9. EXTENTS OF GORTEN STEEL CUSTOM GUTTER.
10. RECESSED CAVITY FOR SPRAY APPLIED ACOUSTIC MATERIAL & ALL LIGHTING, FIRE SUPPRESSION, CONDUITS, AND FIXTURES TO BE ROUTED & MOUNTED WITHIN, COORDINATE BY ARCHITECT.

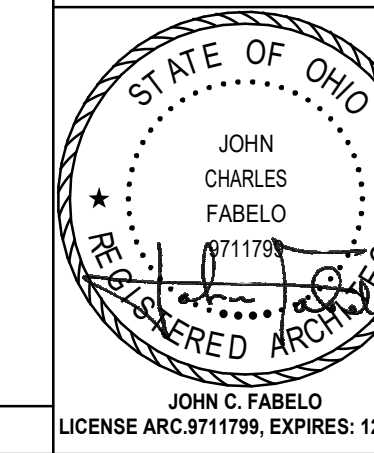
No.	Revisions / Submissions	Date
ADDENDUM 1		2023-10-24

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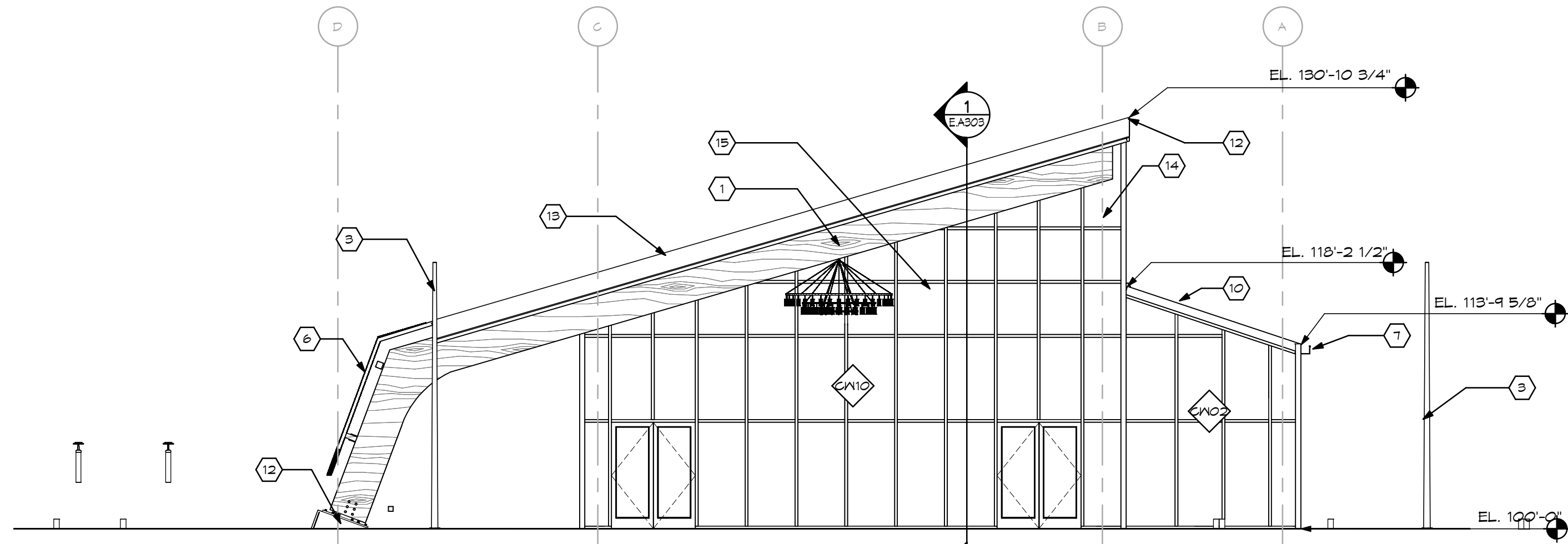
REFLECTED CEILING PLAN

Comm. No.	Date
22627.00	2023-11-21
Drawn	Drawing No.
A.H.F.	E.A.201
Checked	L.L.

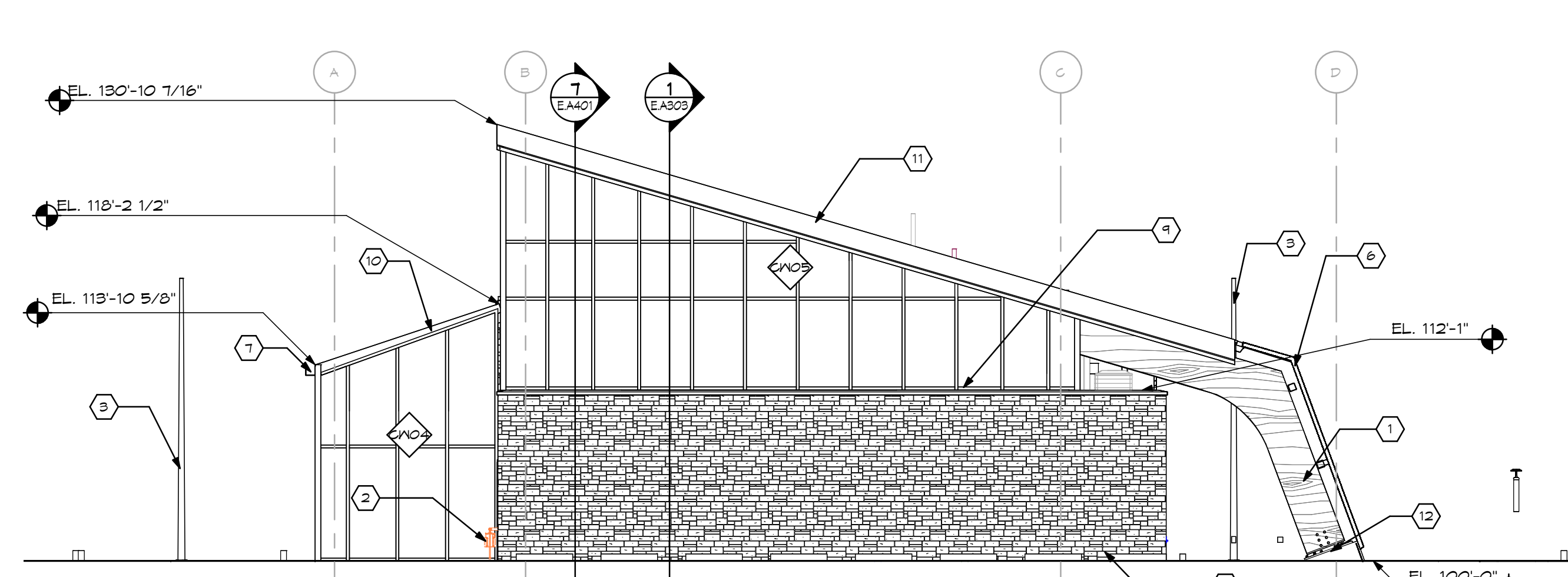


SHEET NOTES:

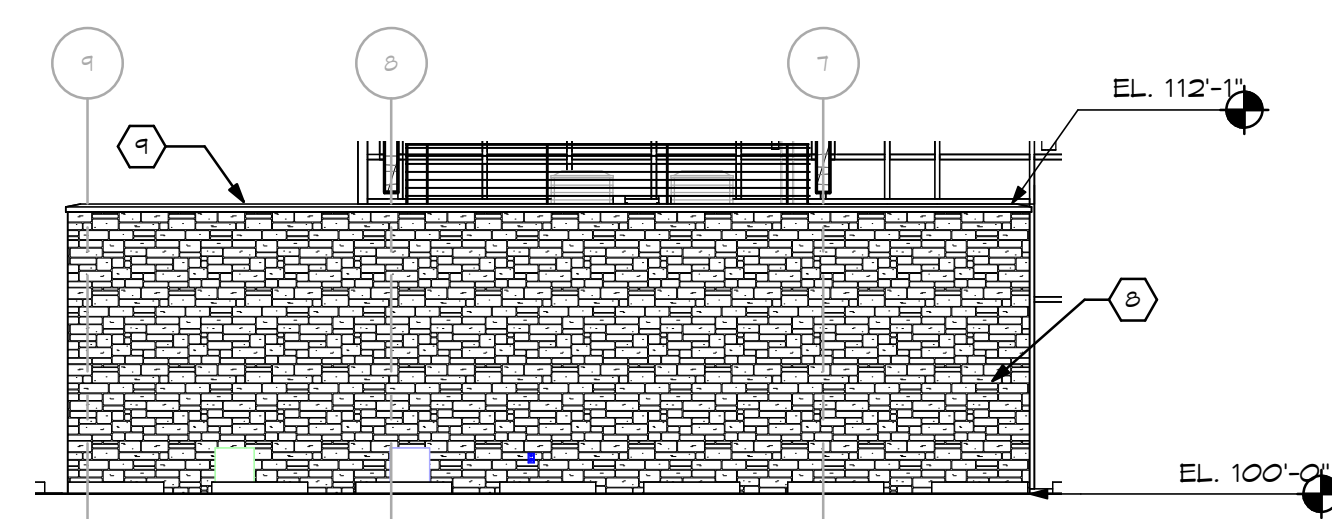
1. GULAM ARCH.
2. GAB METER. SEE MEP DNGS.
3. SITE POLE FOR STRING LIGHTS.
4. MANUAL SLIDING DOOR.
5. CUSTOM WOOD DOOR.
6. VEIL CANOPY CONSTRUCTION. SEE A303 FOR DETAILS.
7. INTERNAL GUTTER SYSTEM.
8. LIMESTONE FULL BEE VENEER, RANDOMLY PLACED.
9. LIMESTONE WALL CAP.
10. THERMALLY BROKEN SLOPED GLAZING SYSTEM.
11. PREFINISHED ALUMINUM FABGA.
12. STRUCTURAL CONNECTION BETWEEN CONCRETE FOUNDATION AND GULAM ARCH - SEE STRUCT. DNGS. AND DETAILS.
13. 22 GA GORTEN STANDING BEAM METAL ROOF.
14. HOLLOW STEEL TUBE COLUMN. SEE STRUCT. DNGS.
15. EXTERIOR CHANDELIER. SEE SPEC AND ELEC. DNGS.
16. 32 GA GORTEN STEEL FORMED GUTTER.
17. SNOW GUARD SYSTEM BY ROOFING MANUFACTURER.



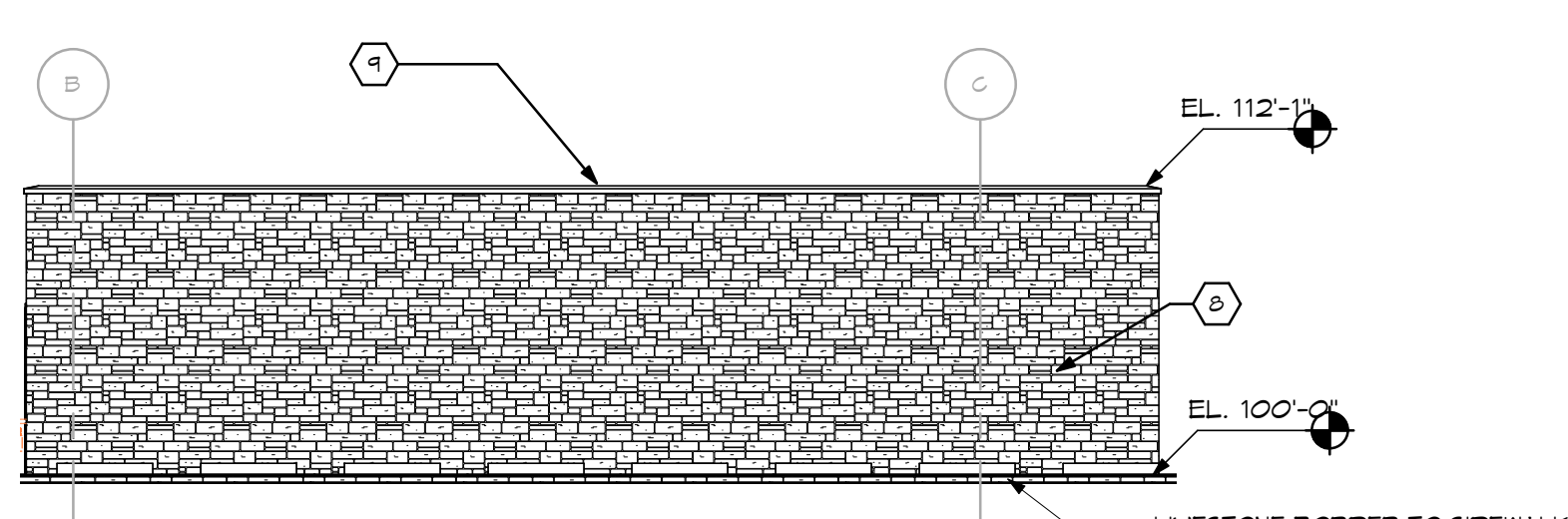
4 EAST ELEVATION
SCALE: 1/8" = 1'-0"



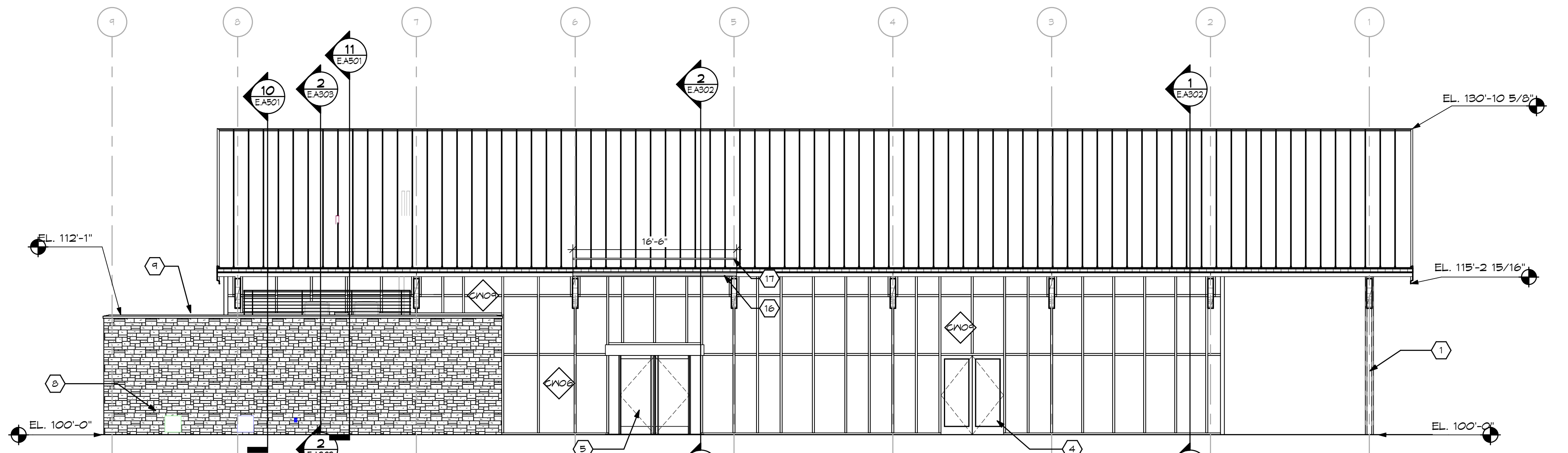
3 WEST ELEVATION
SCALE: 1/8" = 1'-0"



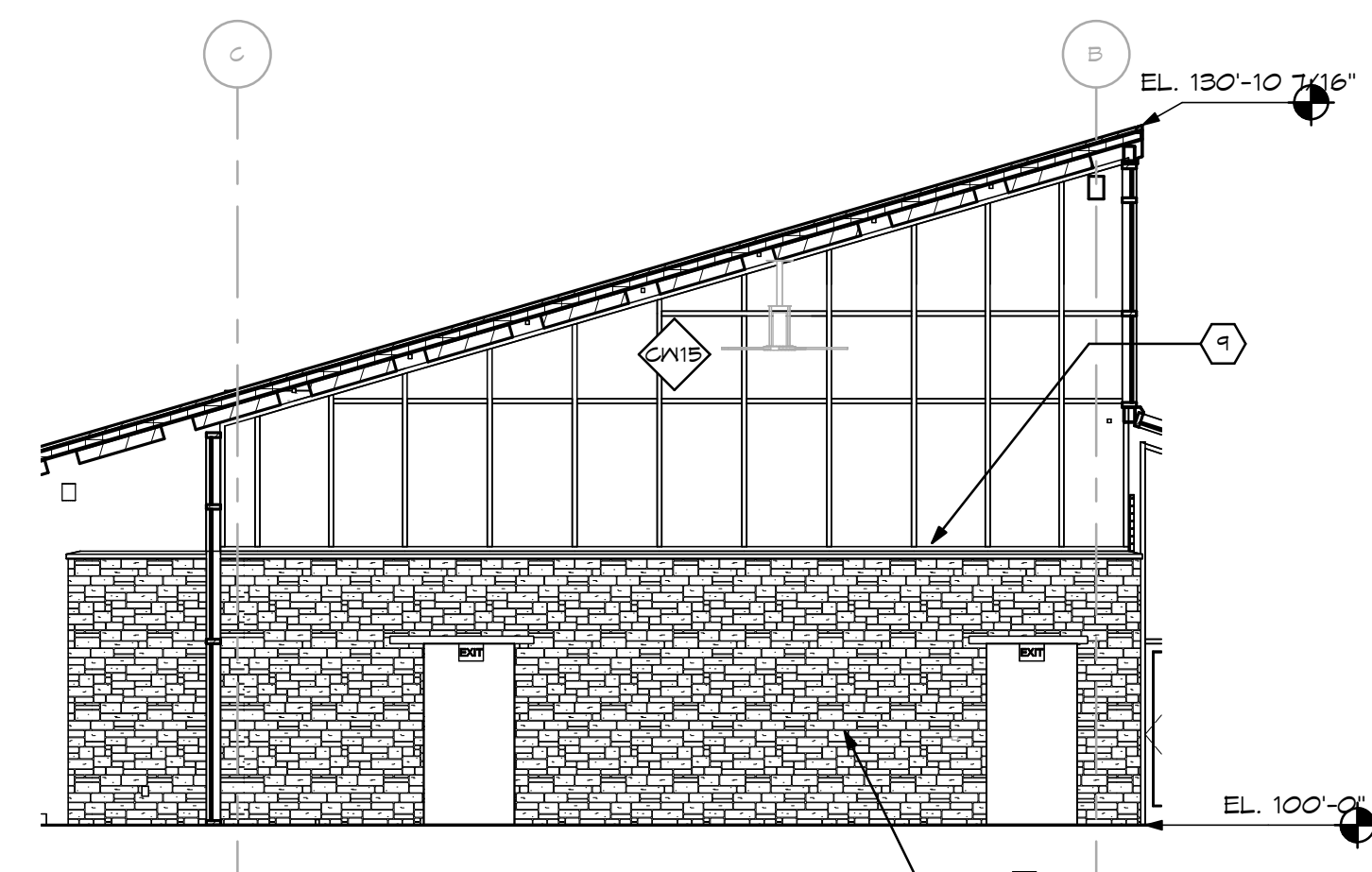
5 SOUTH INTERIOR LIMESTONE ELEVATION
SCALE: 1/8" = 1'-0"



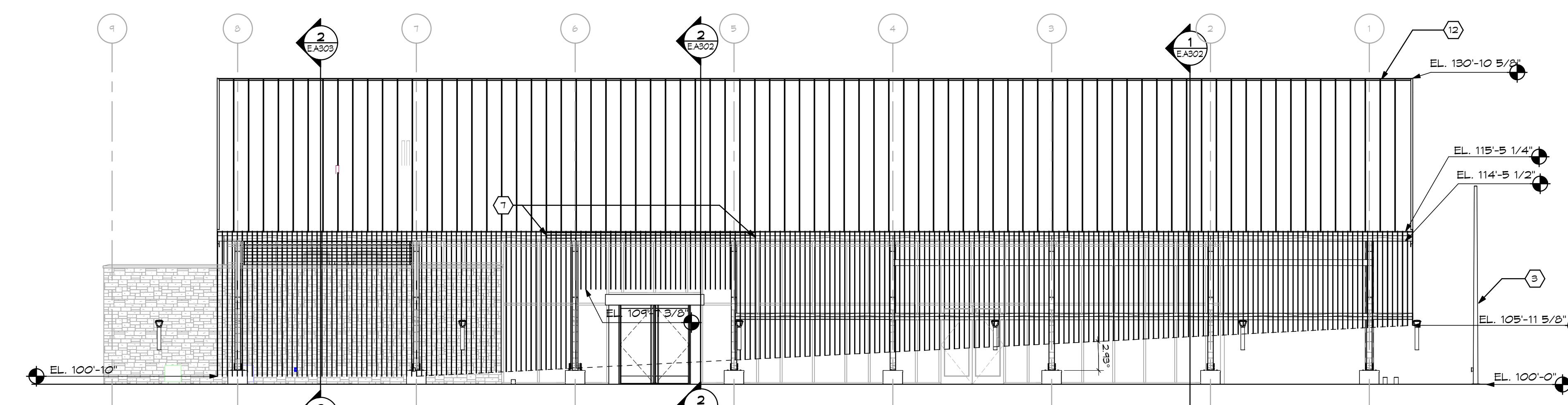
6 WEST INTERIOR LIMESTONE ELEVATION
SCALE: 1/8" = 1'-0"



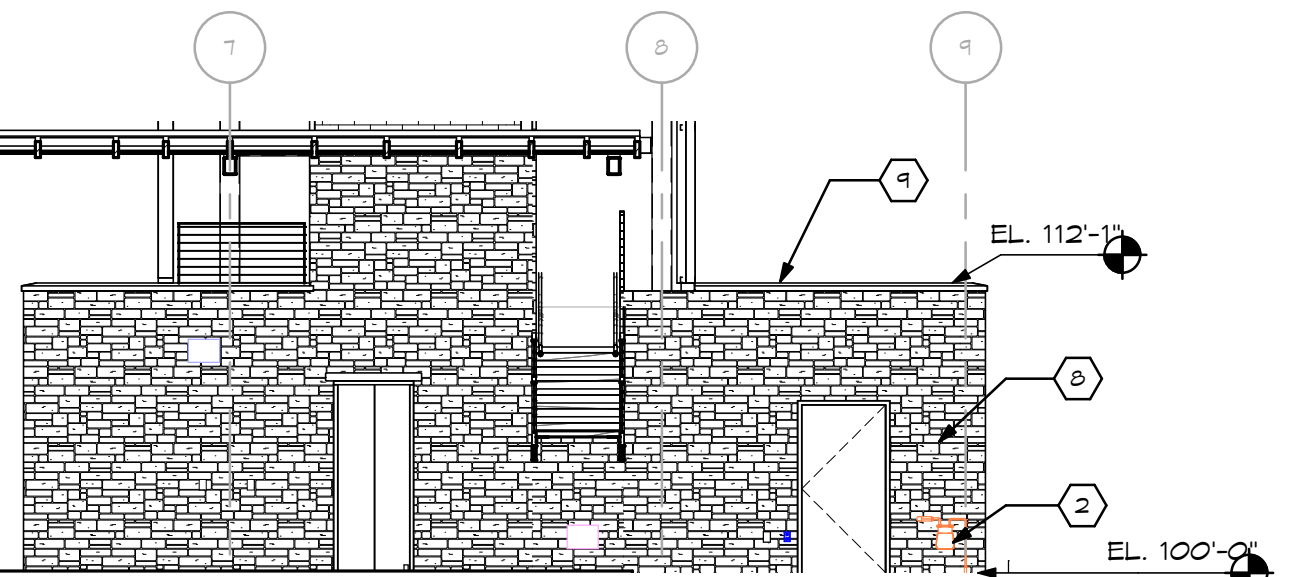
9 SOUTH ELEVATION - BEHIND VEIL
SCALE: 1/8" = 1'-0"



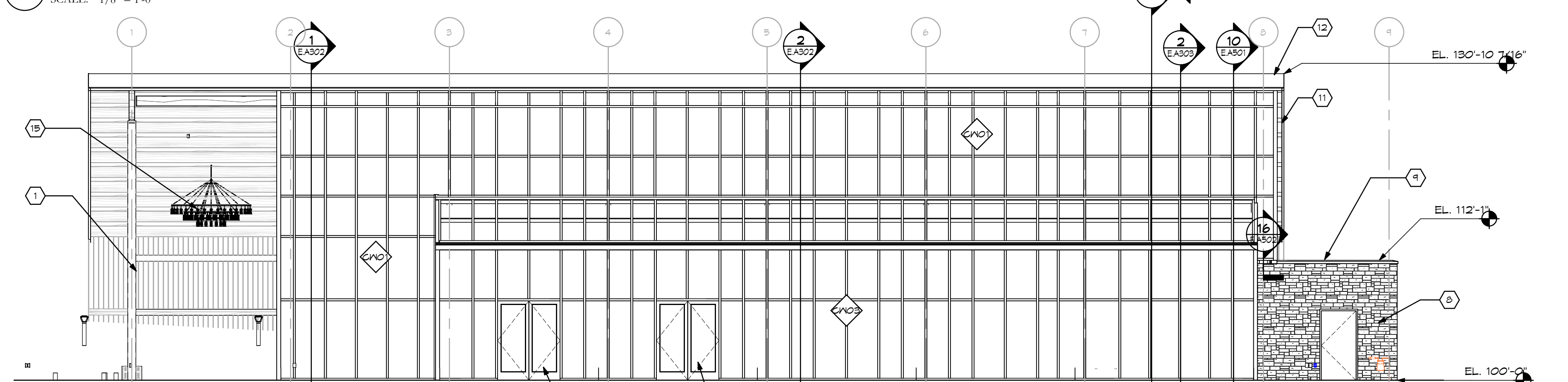
7 EAST INTERIOR LIMESTONE ELEVATION
SCALE: 1/8" = 1'-0"



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



8 NORTH INTERIOR LIMESTONE ELEVATION
SCALE: 1/8" = 1'-0"



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

ADDENDUM 1		2023-10-24
No.	Revisions / Submissions	Date

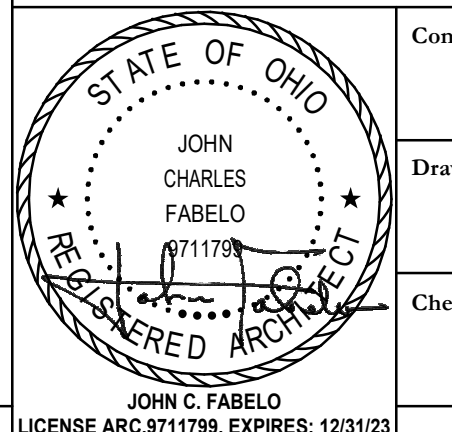
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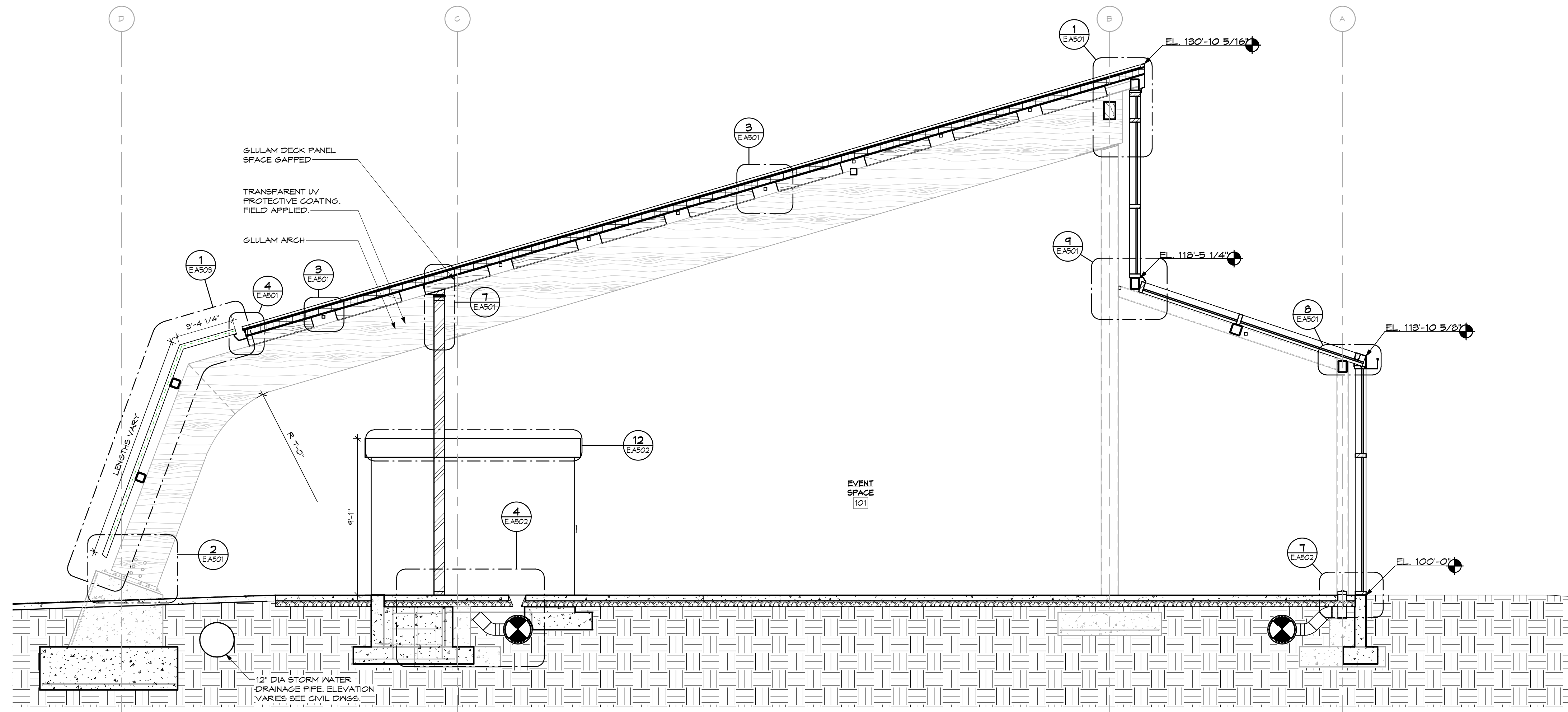
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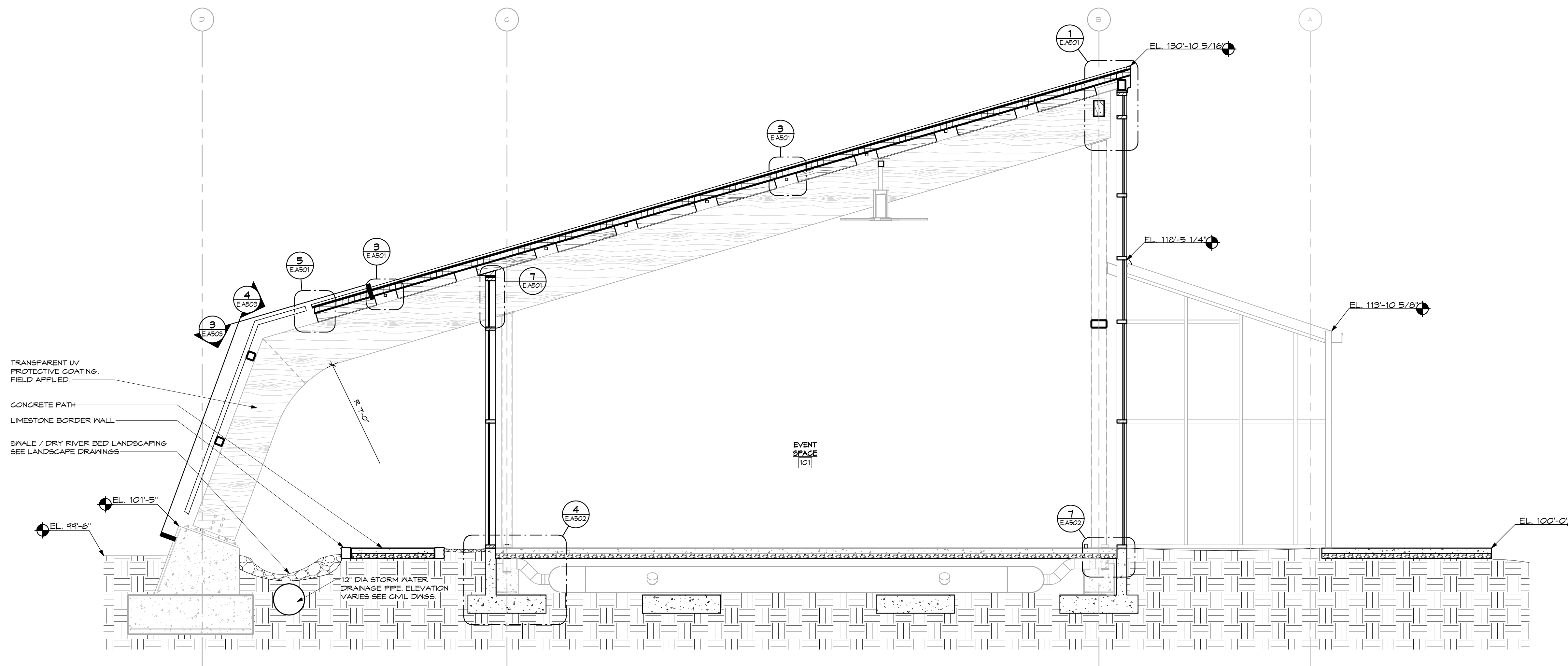
BUILDING ELEVATIONS	
Comm. No. 22627.00	Date 2023-11-21
Drawn C.L.W.	Drawing No. E.A301
Checked L.L.	




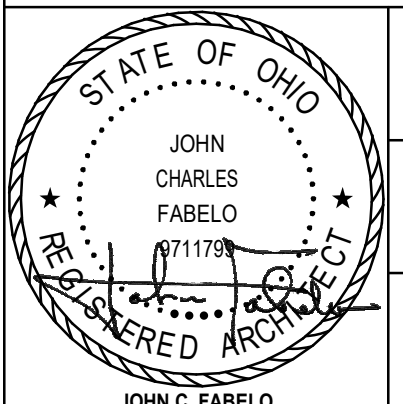
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2 BUILDING SECTION WEST
SCALE: 1/4" = 1'-0"

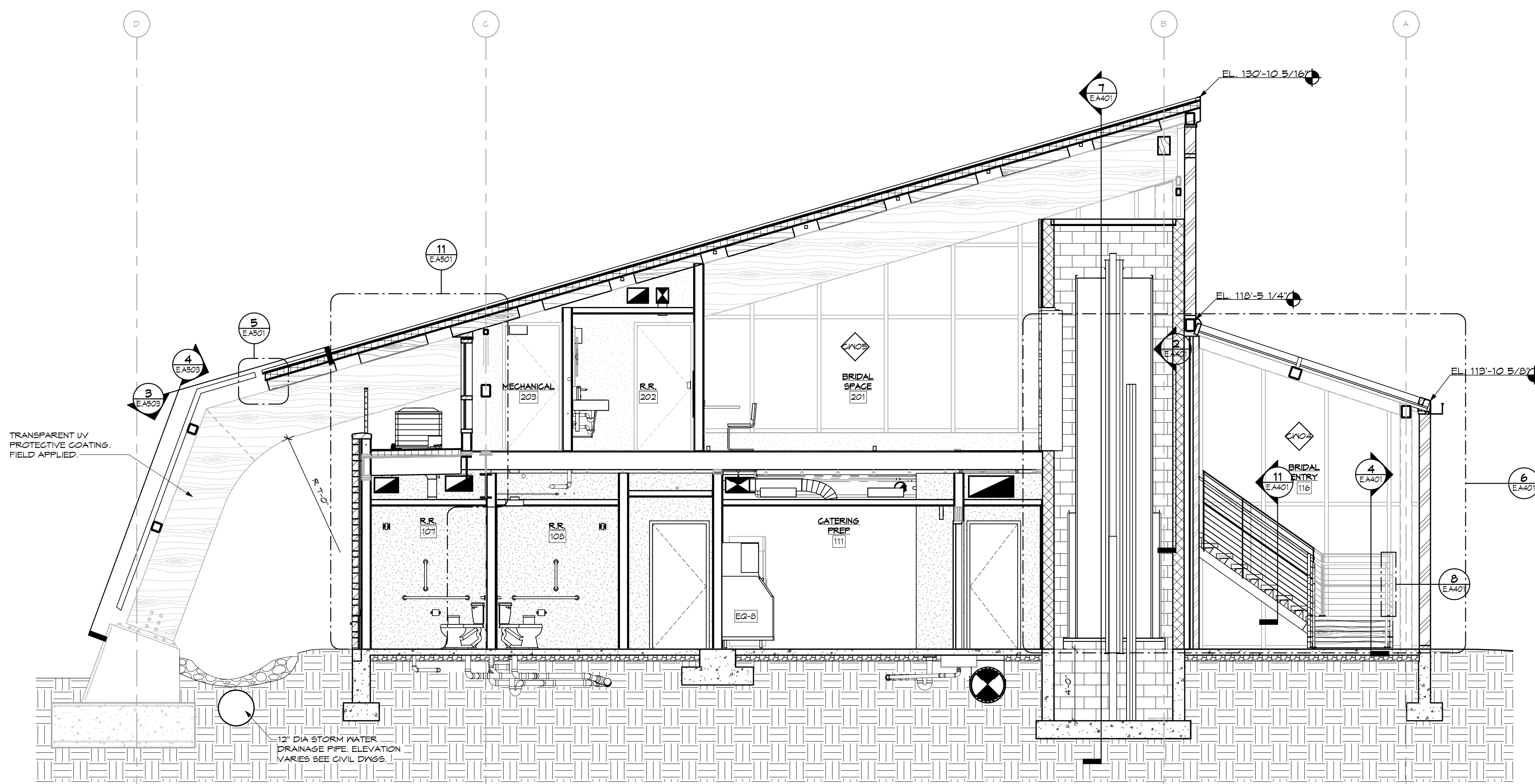


1 BUILDING SECTION - WEST
SCALE: 1/4" = 1'-0"

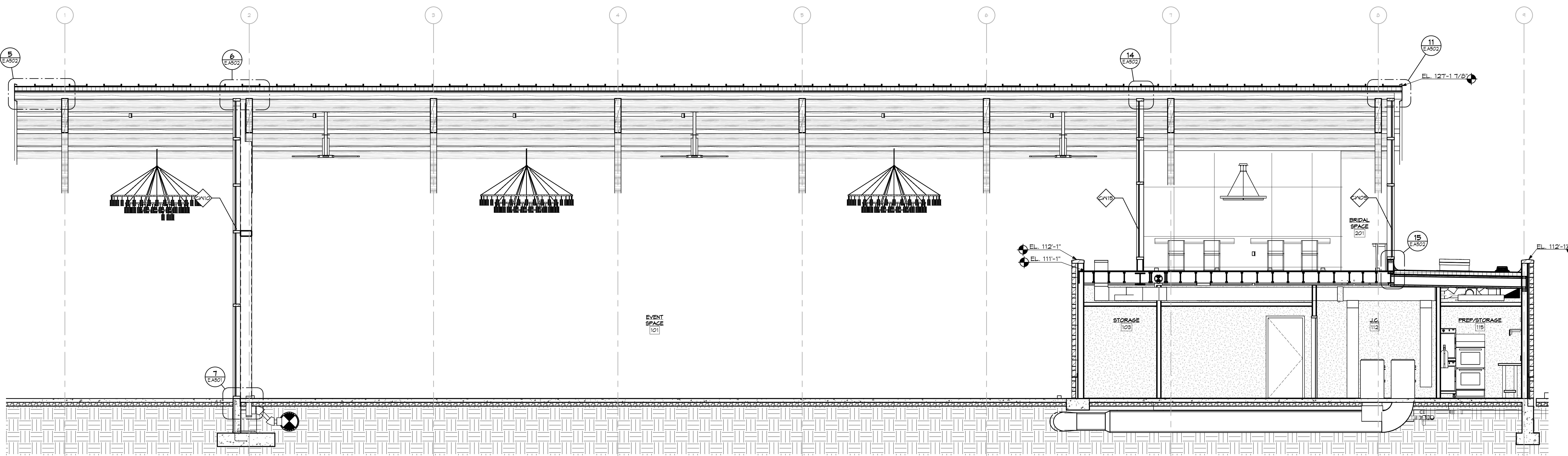
ADDENDUM 1		2023-10-24
No.	Revisions / Submissions	Date
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City of Centerville Benham's Grove		
Event Center & Site Improvements 250 N MAIN ST, CENTERVILLE, OH 45459		
BUILDING SECTIONS		
Comm. No.	Date	
22627.00	2023-11-21	
Drawn	Drawing No.	
A.H.F.	E.A.302	
Checked	L.L.	
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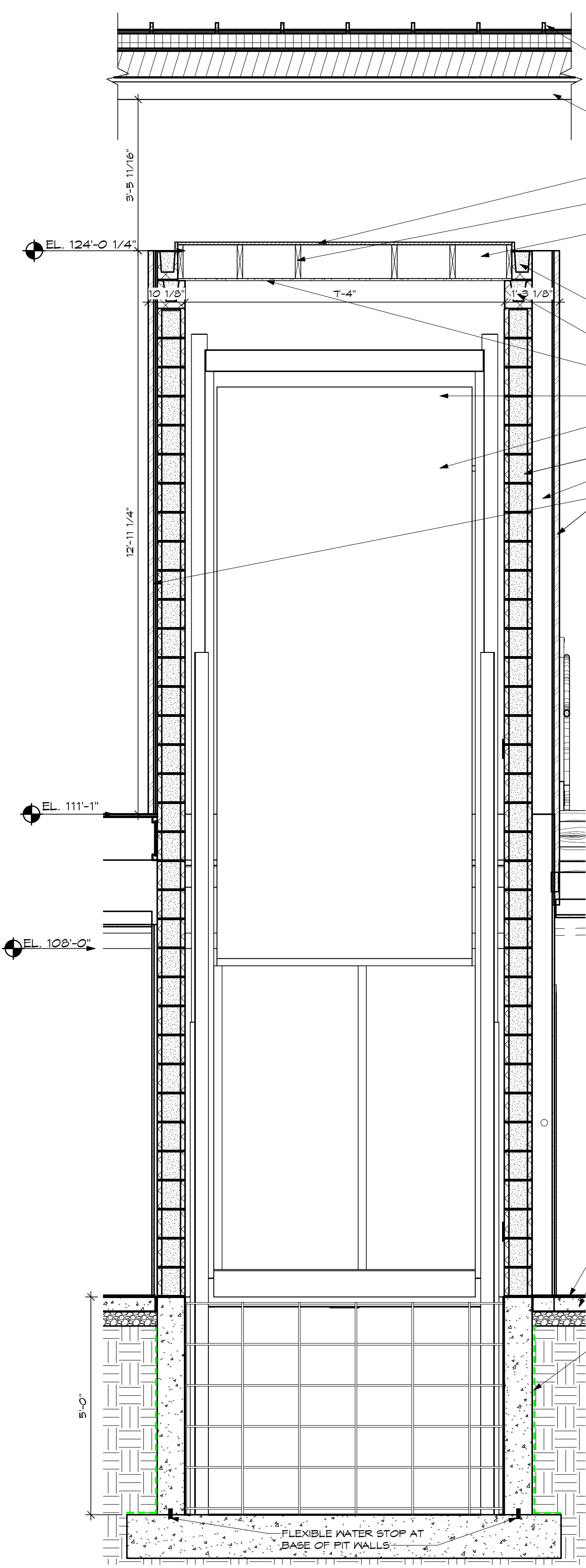


2 BUILDING SECTION - WEST
SCALE: 1/4" = 1'-0"

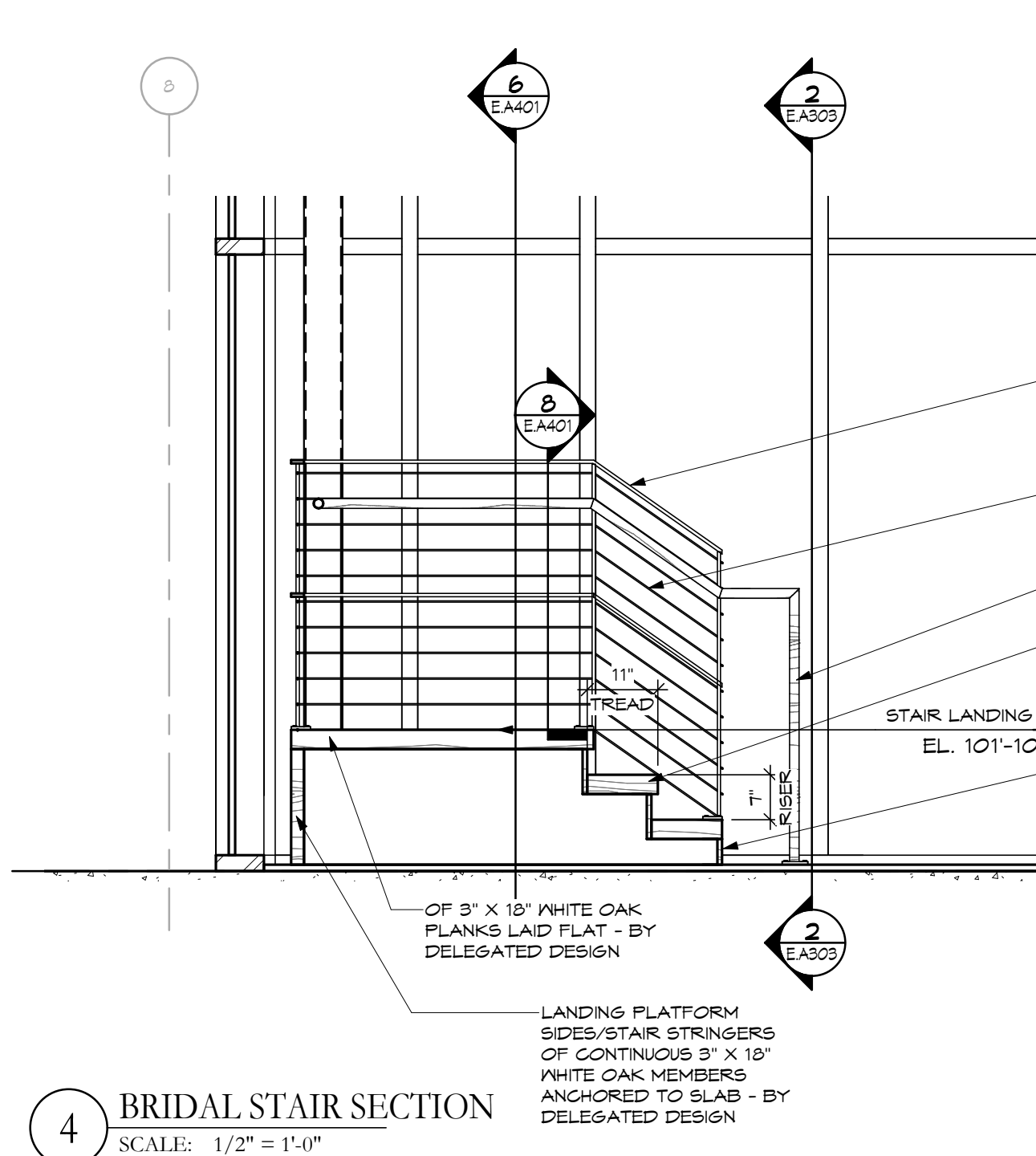


1 BUILDING SECTION - SOUTH
SCALE: 1/4" = 1'-0"

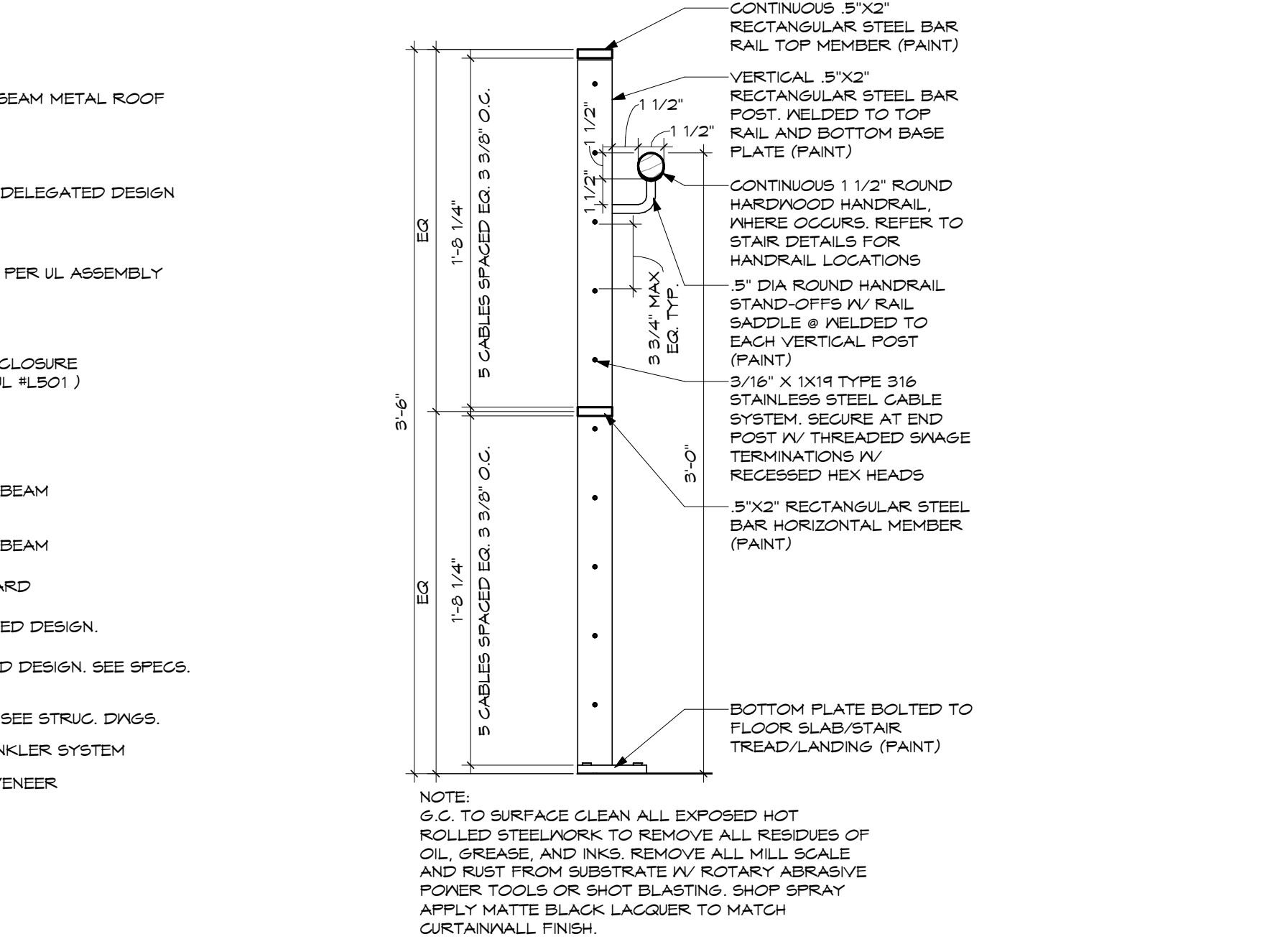
ADDENDUM 1		2023-10-24
No.	Revisions / Submissions	Date
 <p>434 East First Street Dayton, OH 45402 937.223.6500 712 East Main Street Richmond, IN 47374 765.966.3546</p>		
<p>City of Centerville Benham's Grove</p>		
<p>Event Center & Site Improvements</p> <p>250 N MAIN ST, CENTERVILLE, OH 45459</p>		
<p>BUILDING SECTIONS</p>		
Comm. No.	Date	2023-11-21
22627.00		
Drawn	A.H.F.	E.A303
Checked	L.L.	
		
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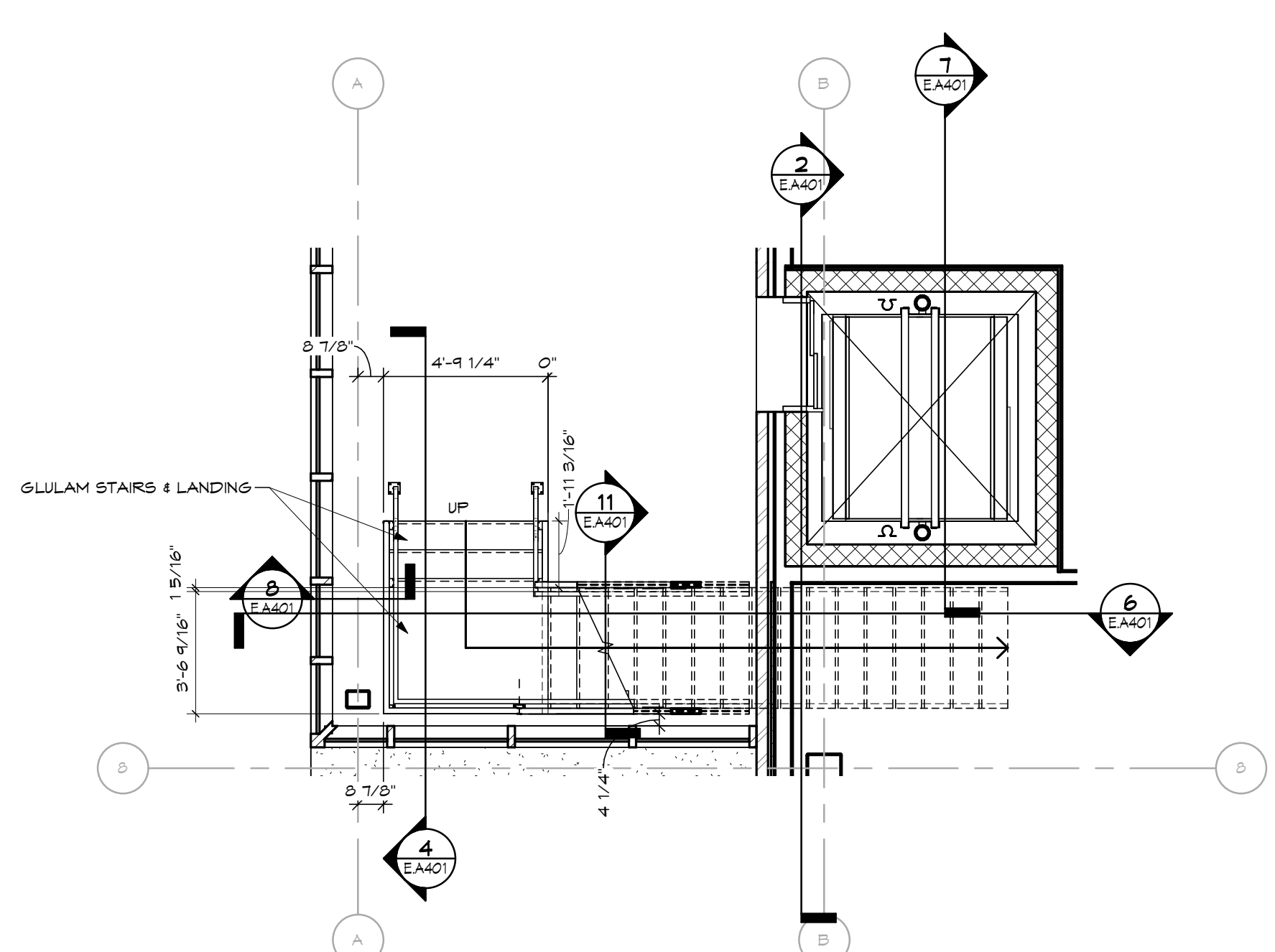
7 ELEVATOR SHAFT SECTION
SCALE: 1/2" = 1'-0"



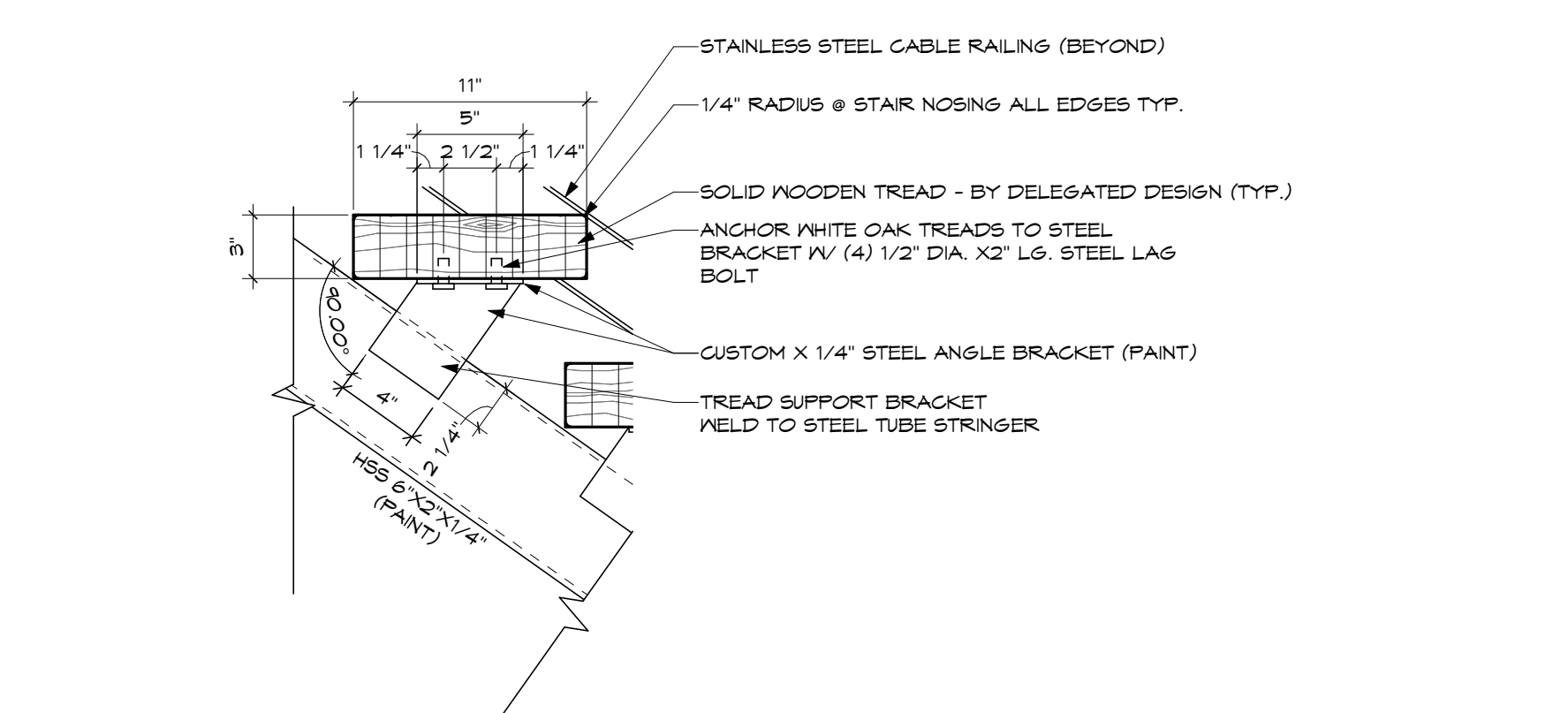
4 BRIDAL STAIR SECTION
SCALE: 1/2" = 1'-0"



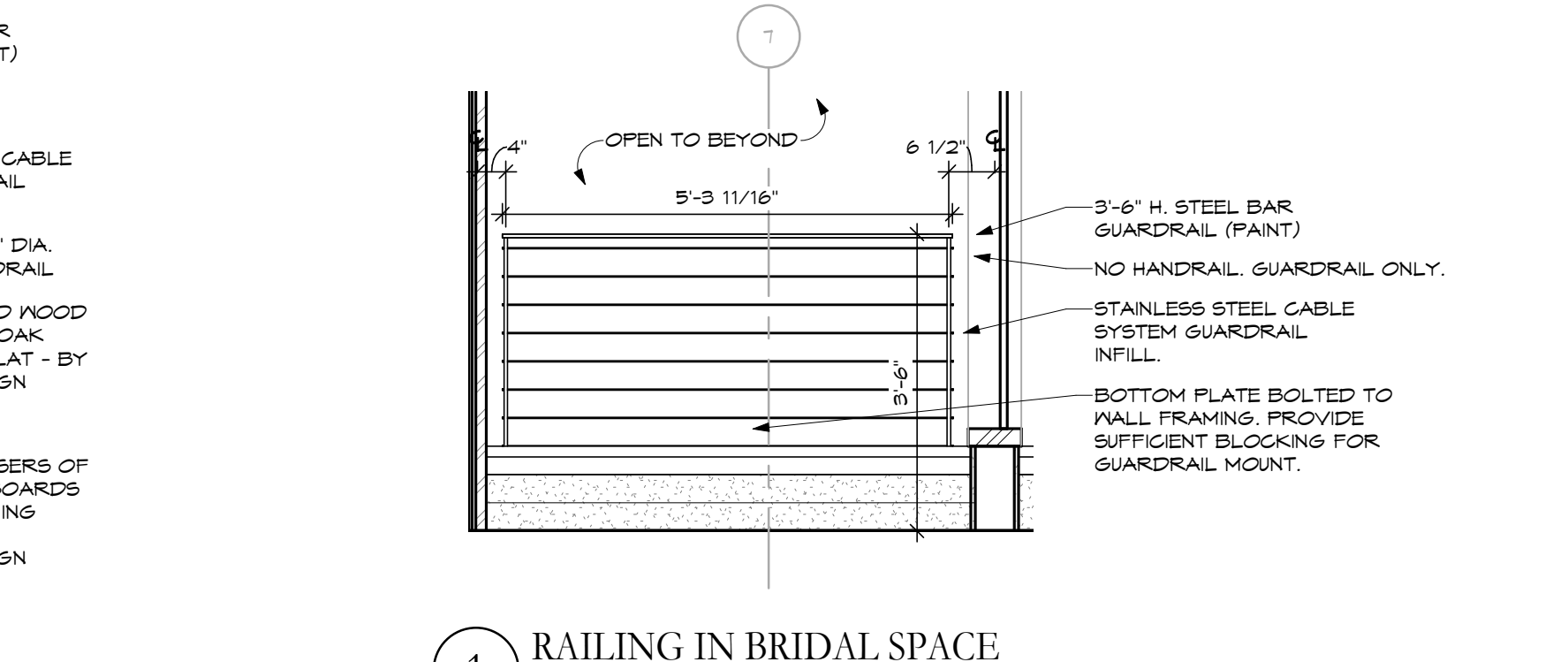
8 TYP. RAIL DETAIL
SCALE: 1 1/2" = 1'-0"



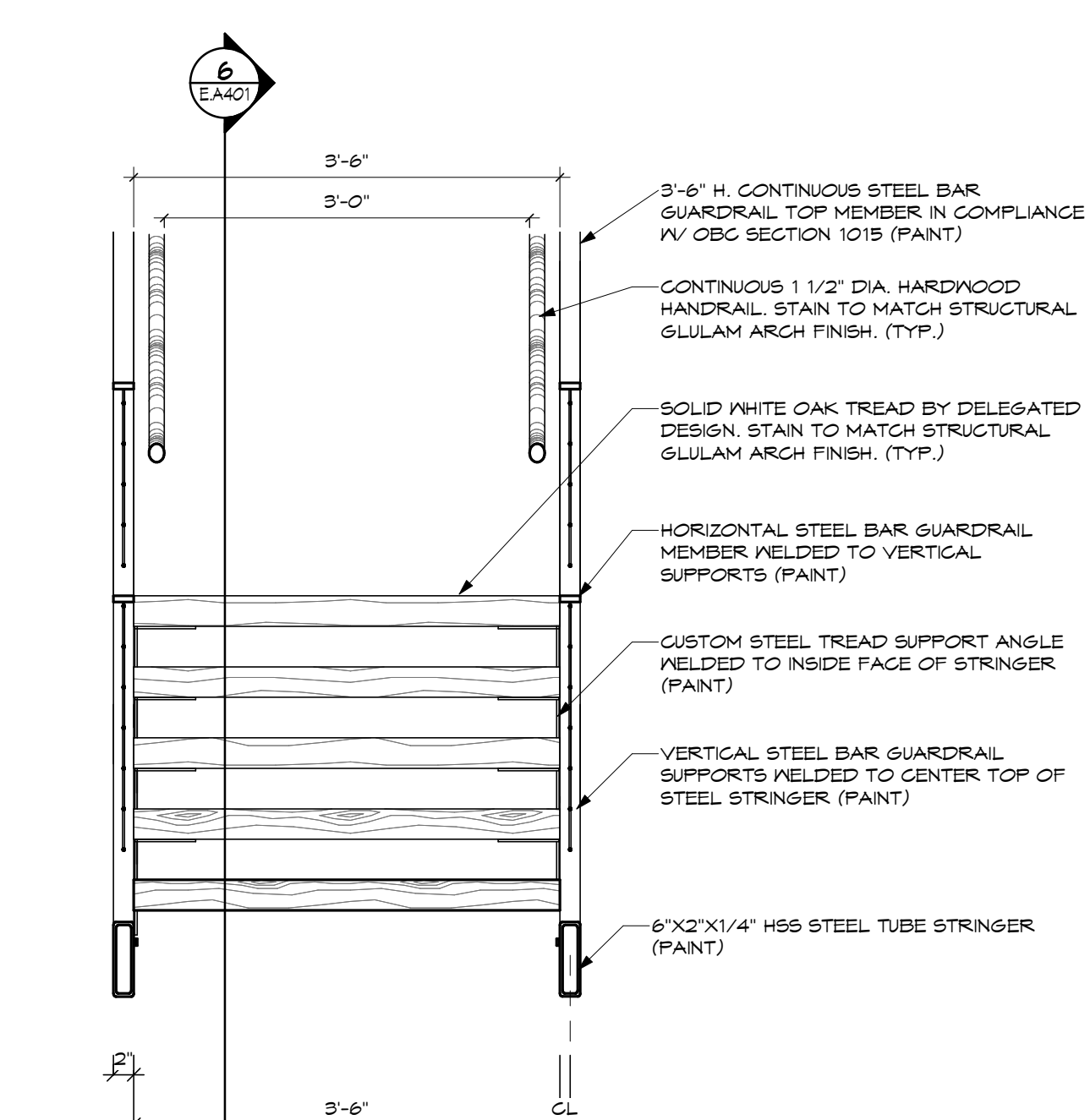
5 ENLARGED BRIDAL STAIR PLAN
SCALE: 1/4" = 1'-0"



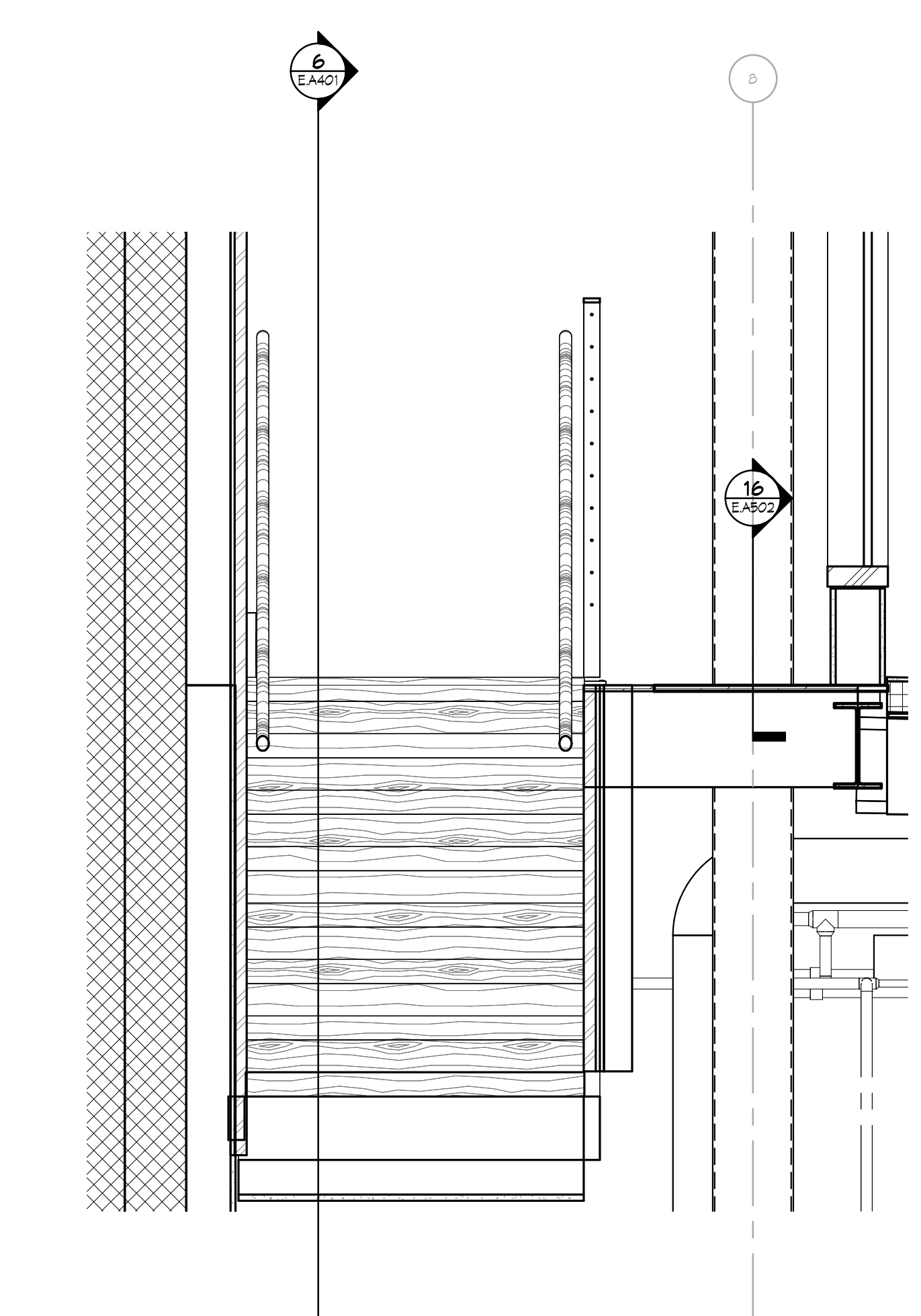
10 TYP. TREAD DETAIL @ BRIDAL STAIRS
SCALE: 1 1/2" = 1'-0"



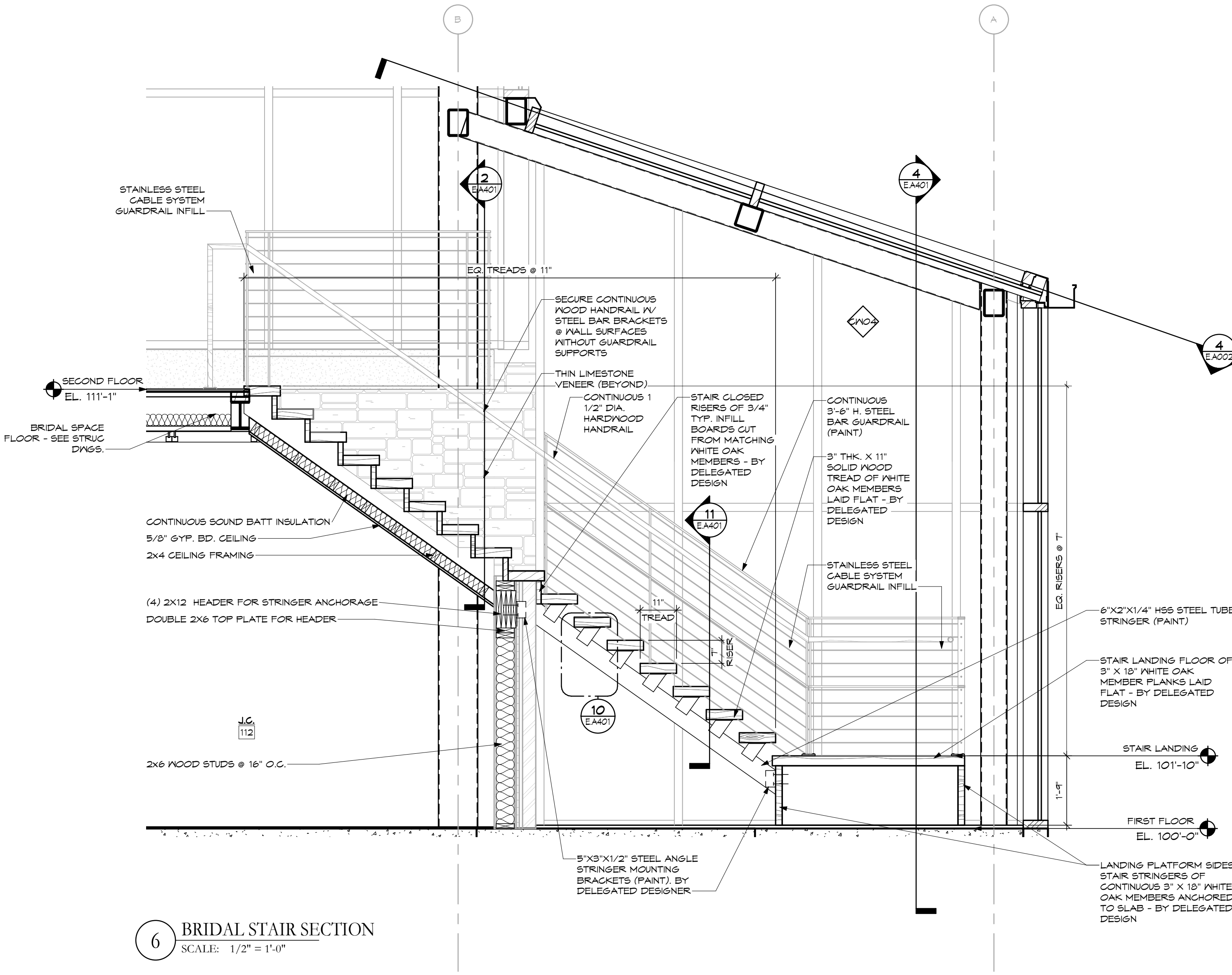
1 RAILINGS IN BRIDAL SPACE
SCALE: 1/2" = 1'-0"



11 TYP. SECTION THRU BRIDAL STAIR
SCALE: 3/4" = 1'-0"



2 TYP. SECTION THRU BRIDAL STAIR
SCALE: 3/4" = 1'-0"



6 BRIDAL STAIR SECTION
SCALE: 1/2" = 1'-0"

1	ADDENDUM 1	2023-10-24
2	ADDENDUM 2	2023-11-01
3	Event Center & Site ReBid	2023-11-21
No.	Revisions / Submissions	Date

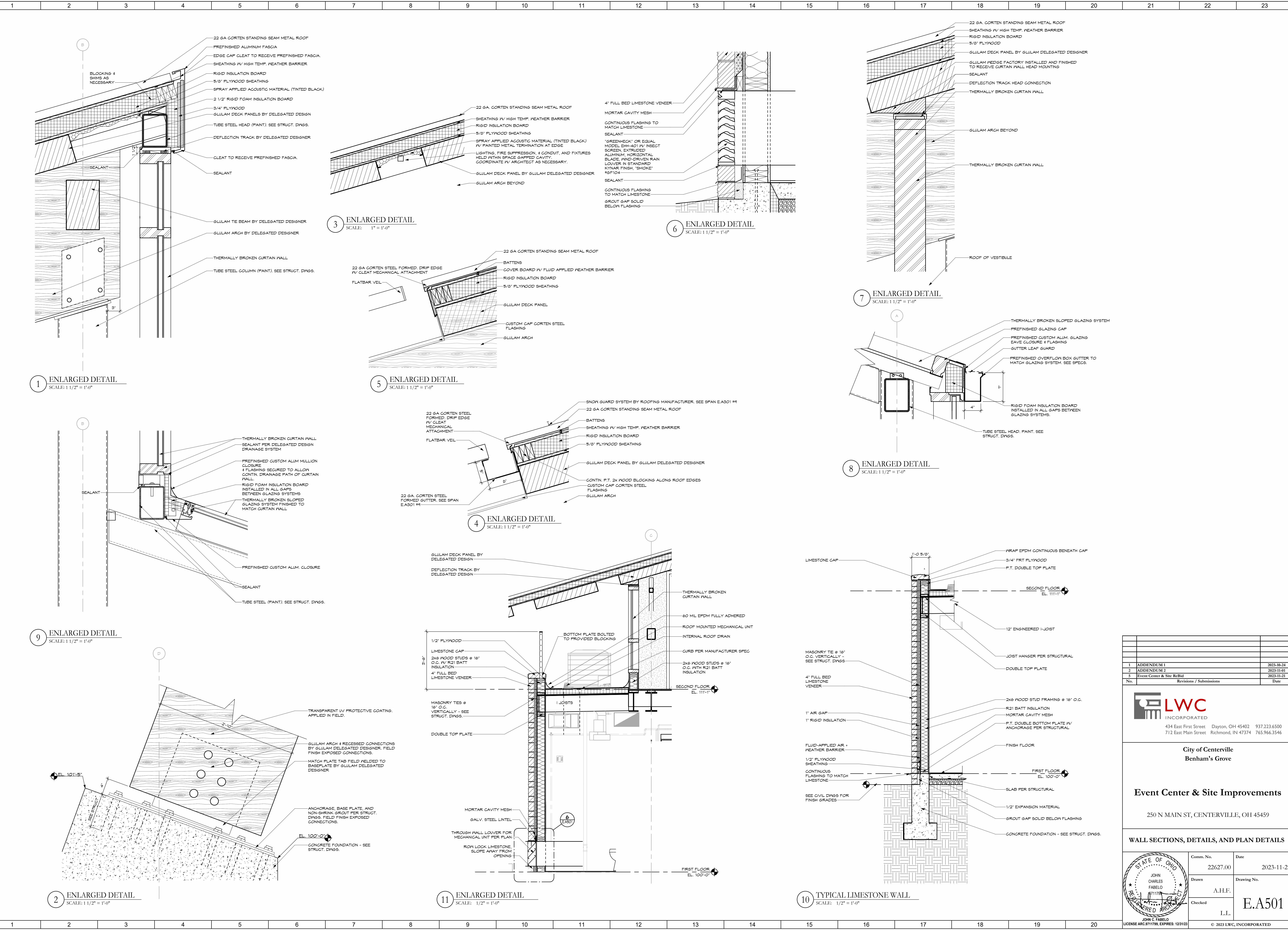
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VERTICAL CIRCULATION PLANS, SECTIONS AND DETAILS

Comm. No.	Date
22627.00	2023-11-21
Drawn	Drawing No.
A.H.F.	E.A401
Checked	L.L.

STATE OF OHIO
 JOHN CHARLES FABELO
 071178
 REGISTERED ARCHITECT
 JOHN C. FABELO
 LICENSE ARC 9711789, EXPIRES: 12/31/25
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1 ENLARGED DETAIL
SCALE: 1 1/2" = 1'-0"

3 ENLARGED DETAIL
SCALE: 1" = 1'-0"

6 ENLARGED DETAIL
SCALE: 1 1/2" = 1'-0"

7 ENLARGED DETAIL
SCALE: 1 1/2" = 1'-0"

5 ENLARGED DETAIL
SCALE: 1 1/2" = 1'-0"

8 ENLARGED DETAIL
SCALE: 1 1/2" = 1'-0"

4 ENLARGED DETAIL
SCALE: 1 1/2" = 1'-0"

9 ENLARGED DETAIL
SCALE: 1 1/2" = 1'-0"

11 ENLARGED DETAIL
SCALE: 1/2" = 1'-0"

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

1	ADDENDUM 1	2023-10-24
2	ADDENDUM 2	2023-11-01
3	Event Center & Site ReBid	2023-11-21
No.	Revisions / Submissions	Date

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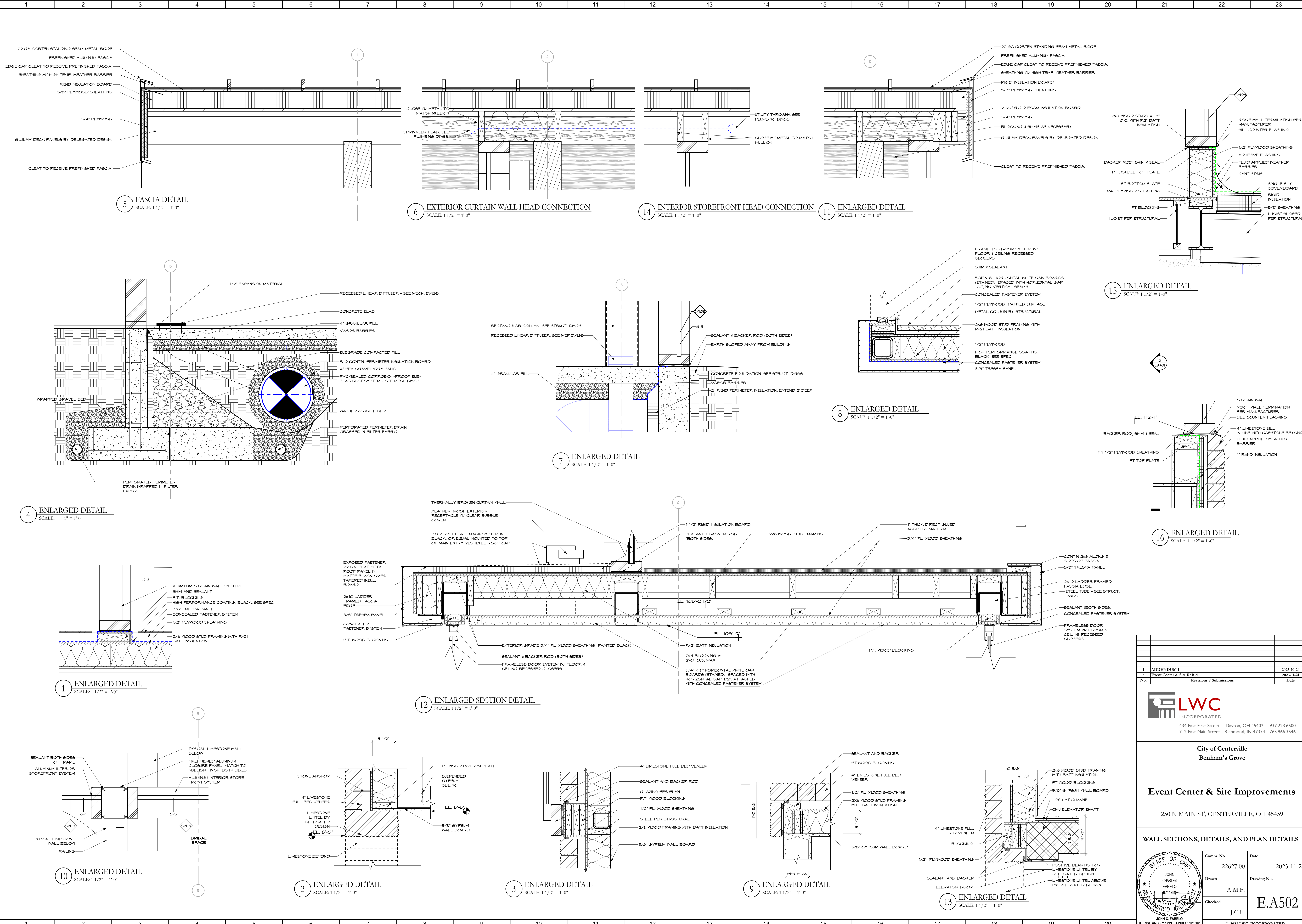
WALL SECTIONS, DETAILS, AND PLAN DETAILS

Comm. No.	22627.00	Date	2023-11-21
Drawn	A.H.F.	Drawing No.	E.A501
Checked	L.L.		

STATE OF OHIO
JOHN CHARLES FABELO
711178
REGISTERED ARCHITECT
JOHN C. FABELO
LICENSE ARC 8711789, EXPIRES: 12/31/23

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No.	Revisions / Submissions	Date
1	ADDENDUM 1	2023-10-24
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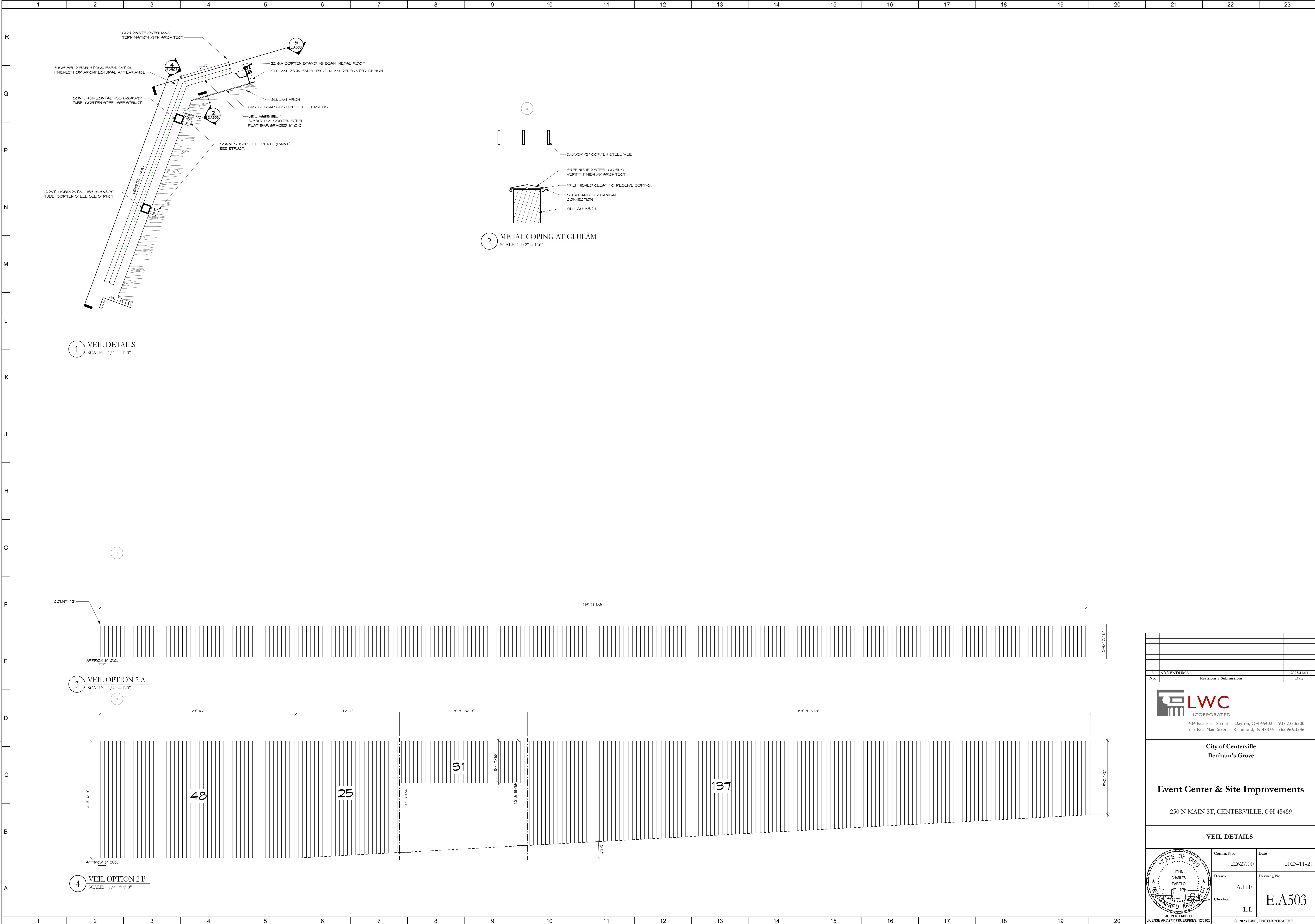
WALL SECTIONS, DETAILS, AND PLAN DETAILS

	Comm. No.	Date
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	Drawn	Drawing No.
	A.M.F.	E.A502
Checked	J.C.F.	

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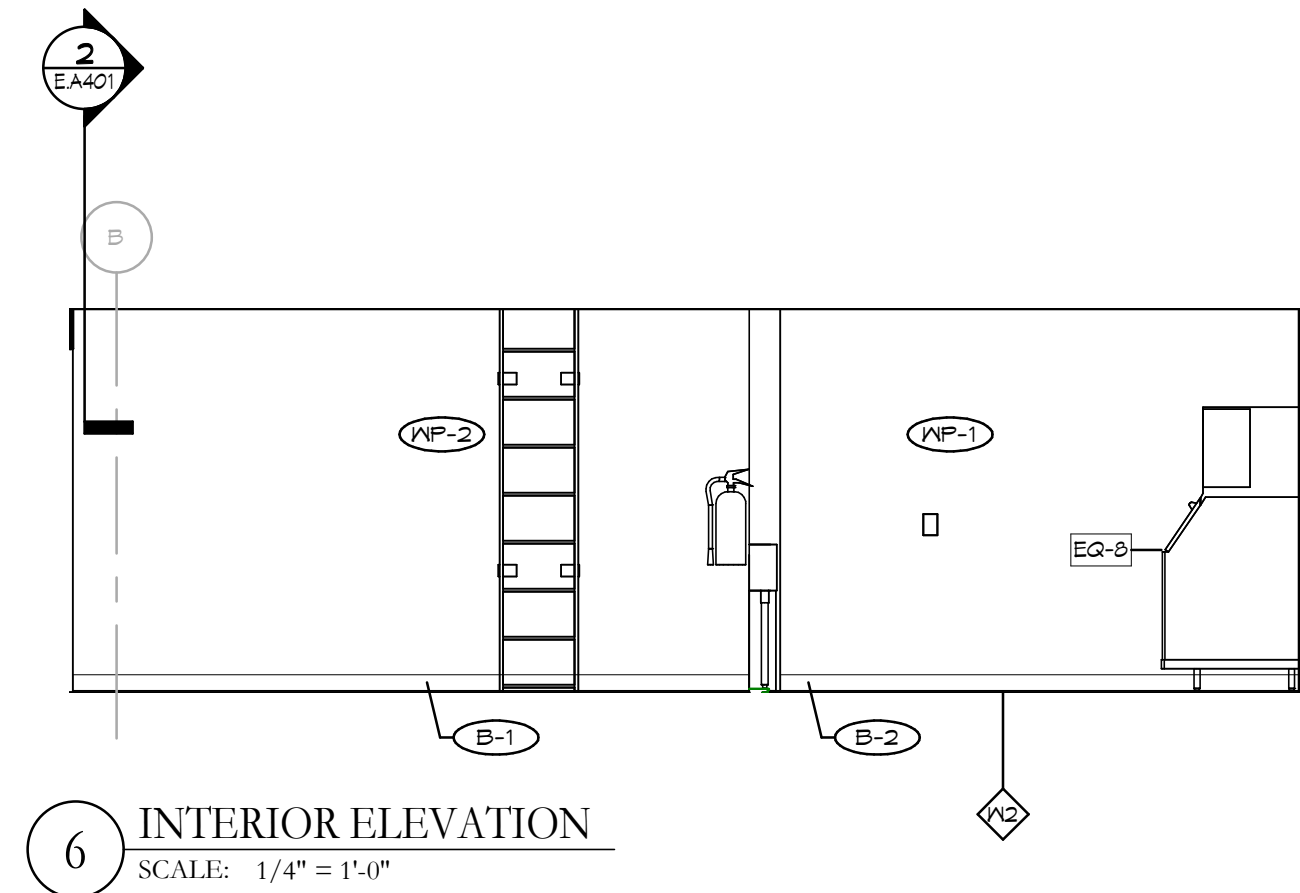


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<p>City of Centerville Benham's Grove</p>													
<p>Event Center & Site Improvements</p> <p>250 N MAIN ST, CENTERVILLE, OH 45459</p>													
<p>VEIL DETAILS</p>													
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Comm. No.</td> <td style="width: 50%;">Date</td> </tr> <tr> <td>22627.00</td> <td>2023-11-21</td> </tr> <tr> <td>Drawn</td> <td>Drawing No.</td> </tr> <tr> <td>A.H.F.</td> <td>E.A503</td> </tr> <tr> <td>Checked</td> <td></td> </tr> <tr> <td>L.L.</td> <td></td> </tr> </table>	Comm. No.	Date	22627.00	2023-11-21	Drawn	Drawing No.	A.H.F.	E.A503	Checked		L.L.		<div style="text-align: center;">  <p>JOHN C. FABELO LICENSE ARC 9711789, EXPIRES: 12/31/23</p> </div> <p style="text-align: right; font-size: small;">© 2023 LWC, INCORPORATED</p>
Comm. No.	Date												
22627.00	2023-11-21												
Drawn	Drawing No.												
A.H.F.	E.A503												
Checked													
L.L.													

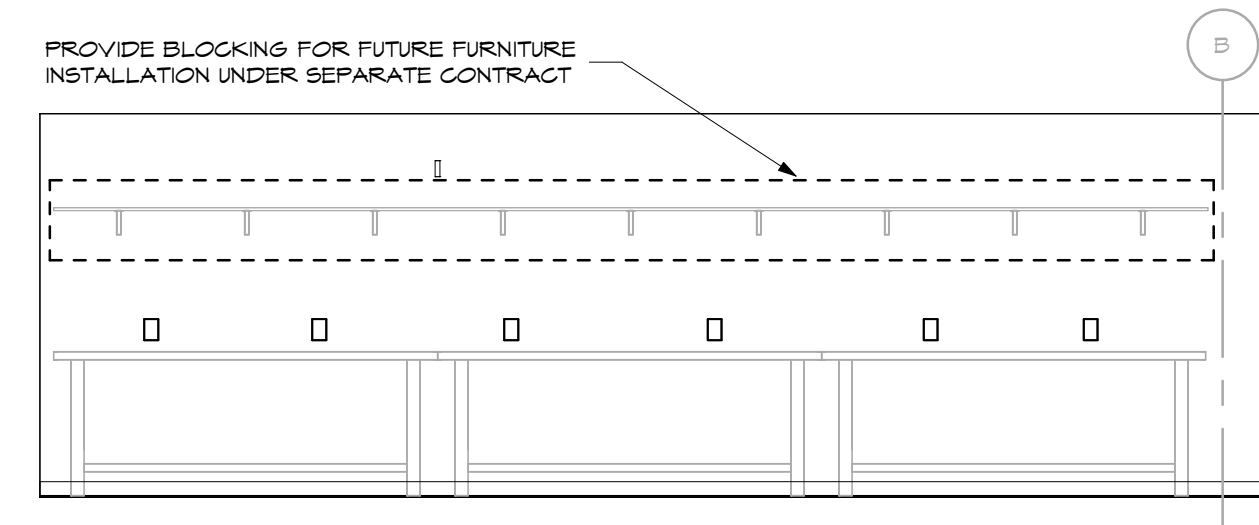
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Autodesk Docs://Benham's Grove/22627.00 - Benham's Grove - Event Space & Site R22 ARCH CENTRAL.rvt

○ SHEET NOTES:

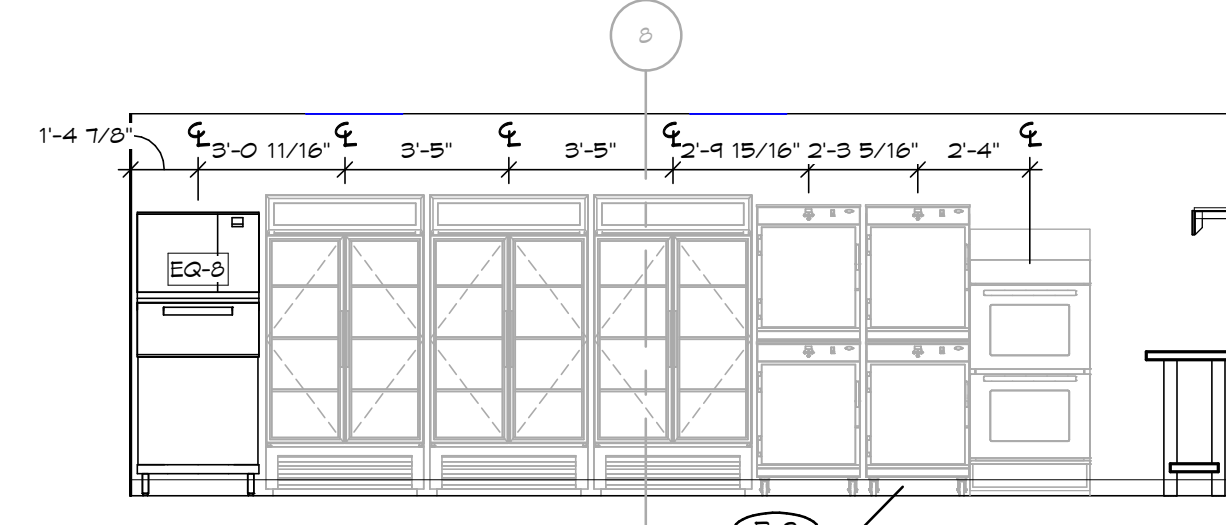
EQUIPMENT SCHEDULE							
TAG	ITEM TYPE	DESCRIPTION	COUNT	MANUFACTURER	MODEL #	FINISH	REMARKS
EQ-02	RESTROOM	CHANGING STATION, RECESSED MOUNTED	5	AMERICAN SPECIALTIES	9018-41	MATTE BLACK	
EQ-03	RESTROOM	ADA GRAB BAR		MOEN	ALIGN GRAB BAR- YG0424BG	BRUSHED GOLD	
EQ-4	RESTROOM	WALL MOUNTED SPRING BAR TOILET PAPER HOLDER	12	MOEN	ALIGN PAPER HOLDER- YB0408BG	BRUSHED GOLD	
EQ-5	RESTROOM	WALL HUNG MIRROR	5	KOHLER	ESSENTIAL K-26052-B&L	BRUSHED GOLD 22"X34"	
EQ-6	RESTROOM	WALL HUNG MIRROR	3	KOHLER	ESSENTIAL K-26051-B&L	BRUSHED GOLD 20"X40"	
EQ-7	RESTROOM	PAPER TOWEL DISPENSER & WASTE RECEPTACLE	1	AMERICAN SPECIALTIES	SIMPLICITY- 6467-41PC	MATTE BLACK	
EQ-8	KITCHEN CORRIDOR	ICE MACHINE	1	INDIGO NXT	MONITOWOC - ITO450		BY CONTRACTOR
EQ-9	GROOM'S ROOM	TV	1				BY OWNER INSTALL BY CONTRACTOR



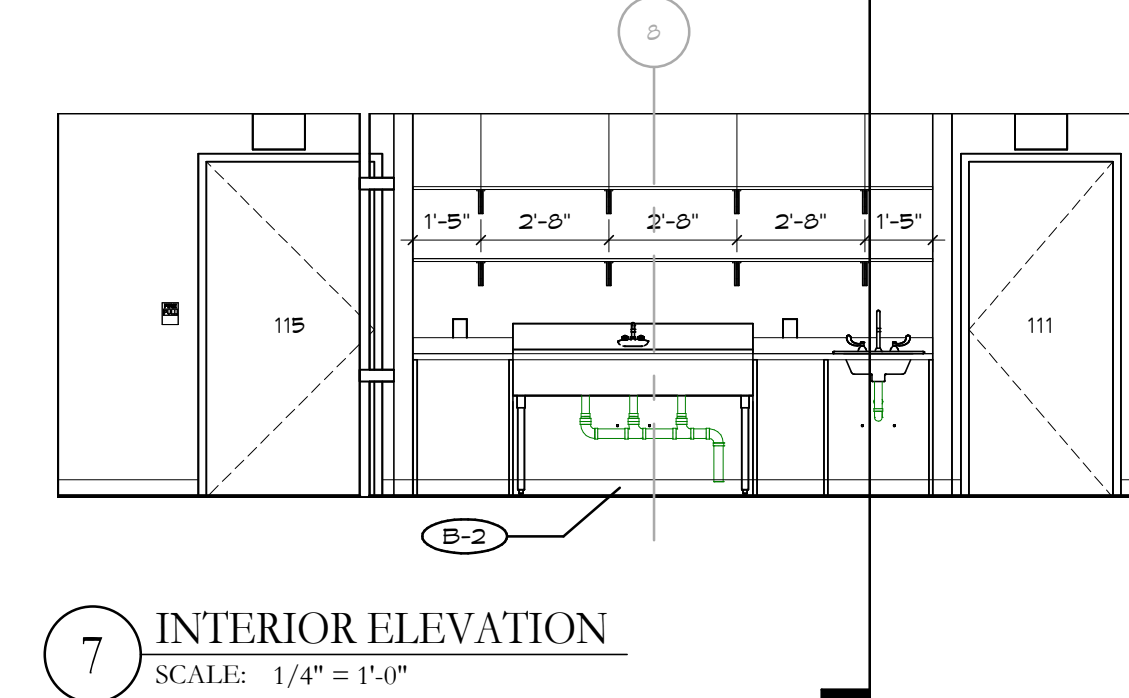
6 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



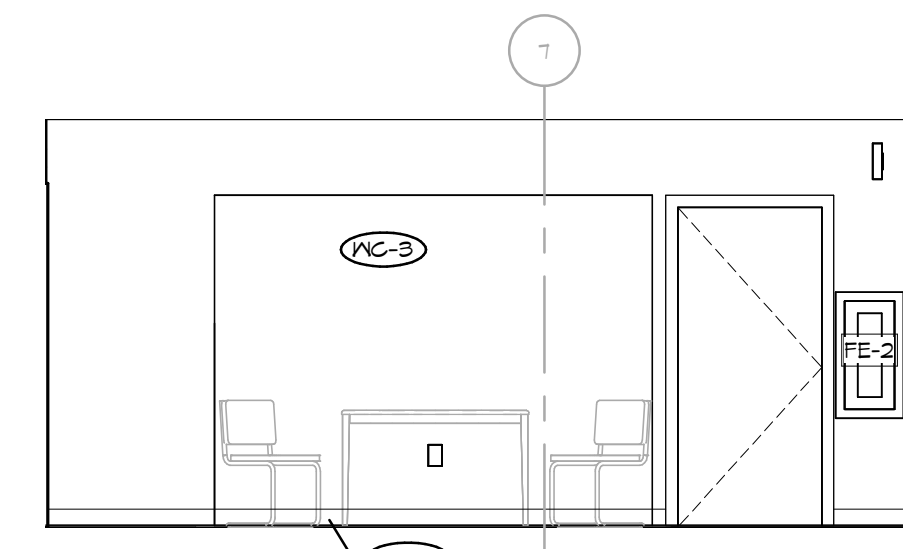
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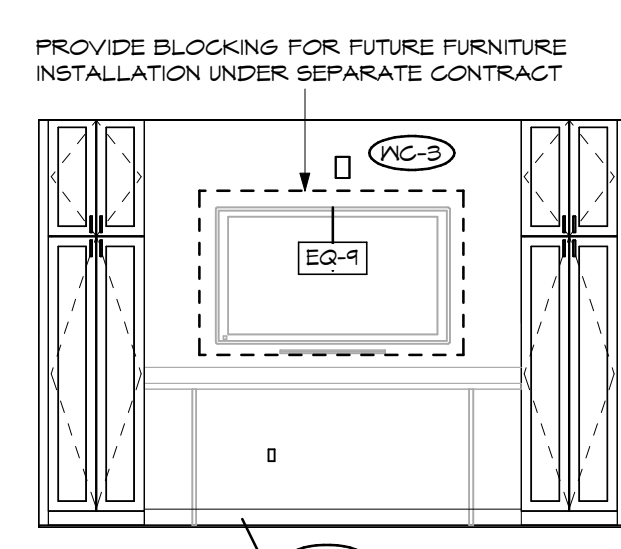
8 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



7 INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"

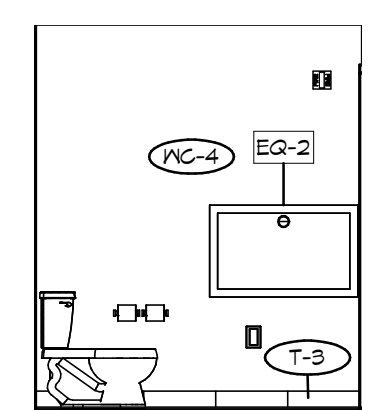


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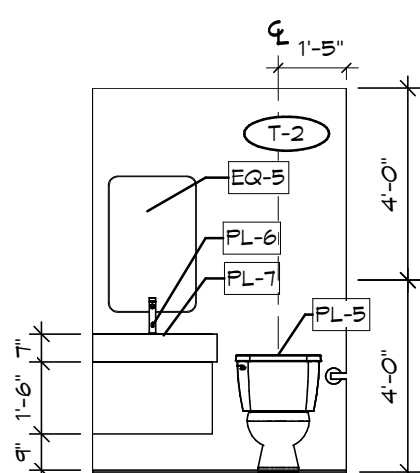


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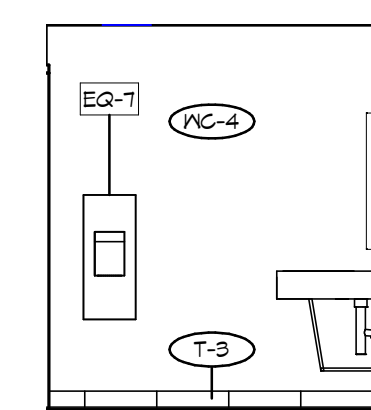
NOTE: FURNITURE SHOWN FOR REFERENCE NOT IN SCOPE PROVIDED UNDER SEPARATE CONTRACT.



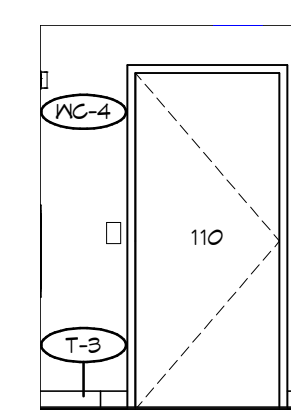
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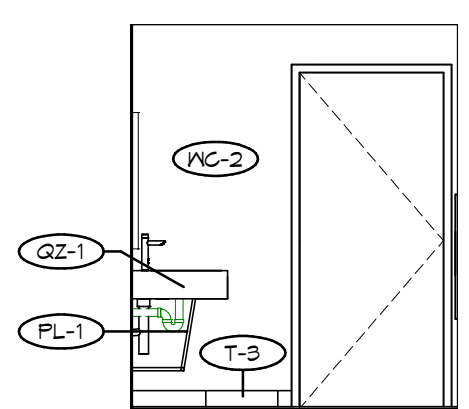
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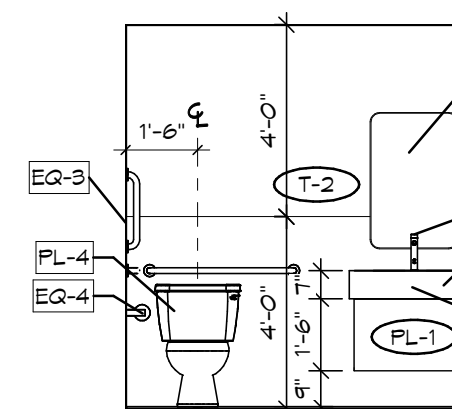
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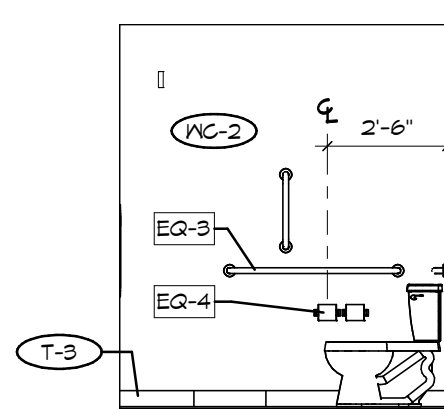
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SCALE: 1/4" = 1'-0"



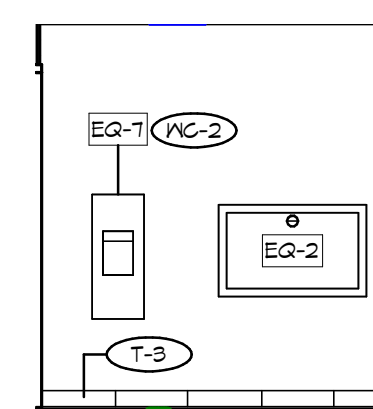
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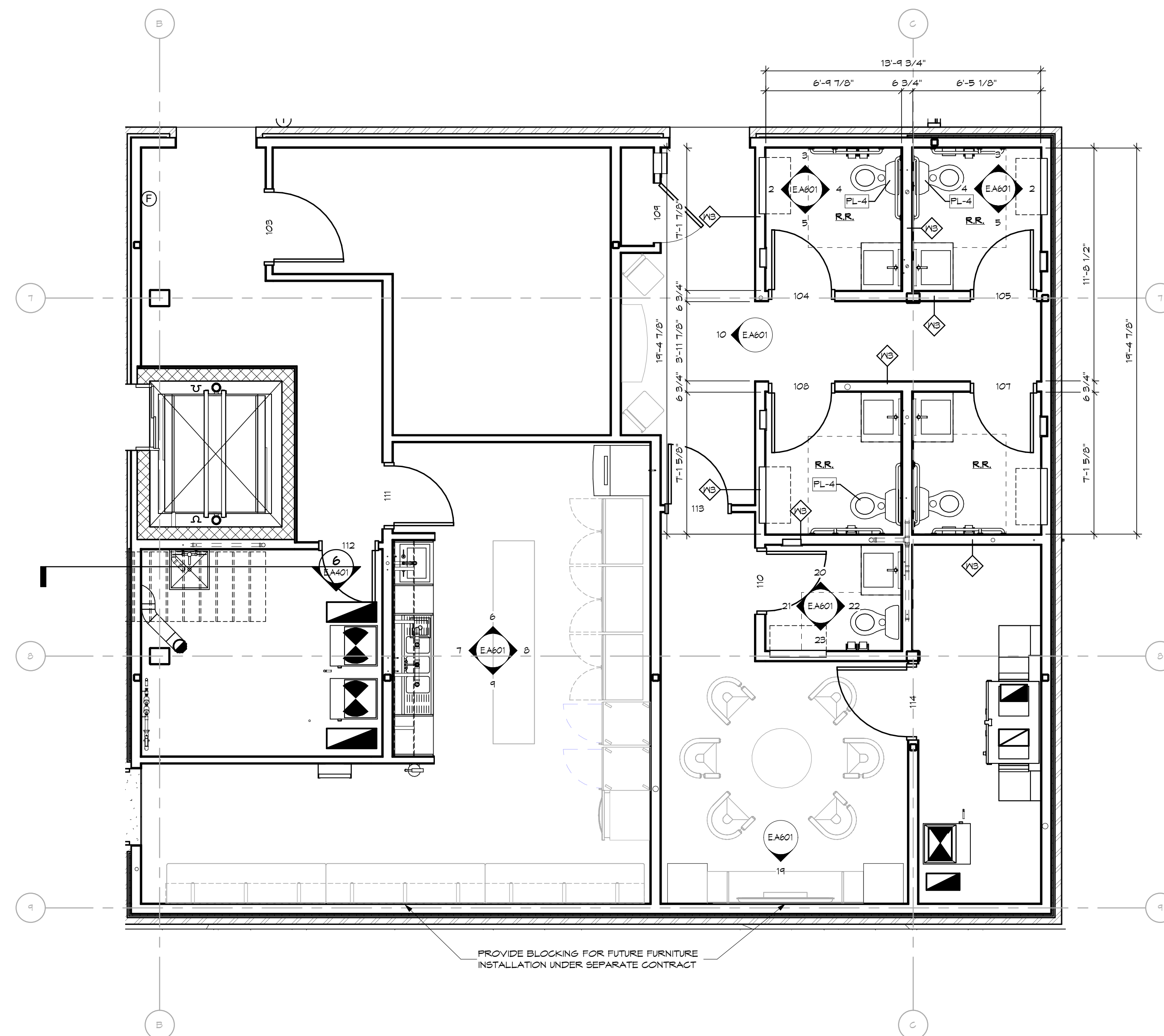
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SCALE: 1/4" = 1'-0"



3 TYPICAL RR 2
SCALE: 1/4" = 1'-0"



2 TYPICAL RR 1
SCALE: 1/4" = 1'-0"



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

PROVIDE BLOCKING FOR FUTURE FURNITURE INSTALLATION UNDER SEPARATE CONTRACT

No.	Revisions / Submissions	Date

LWC
INCORPORATED
434 East First Street Dayton, OH 45402 937.223.6500
712 East Main Street Richmond, IN 47374 765.966.3546

City of Centerville
Benham's Grove

Event Center & Site Improvements

250 N MAIN ST, CENTERVILLE, OH 45459

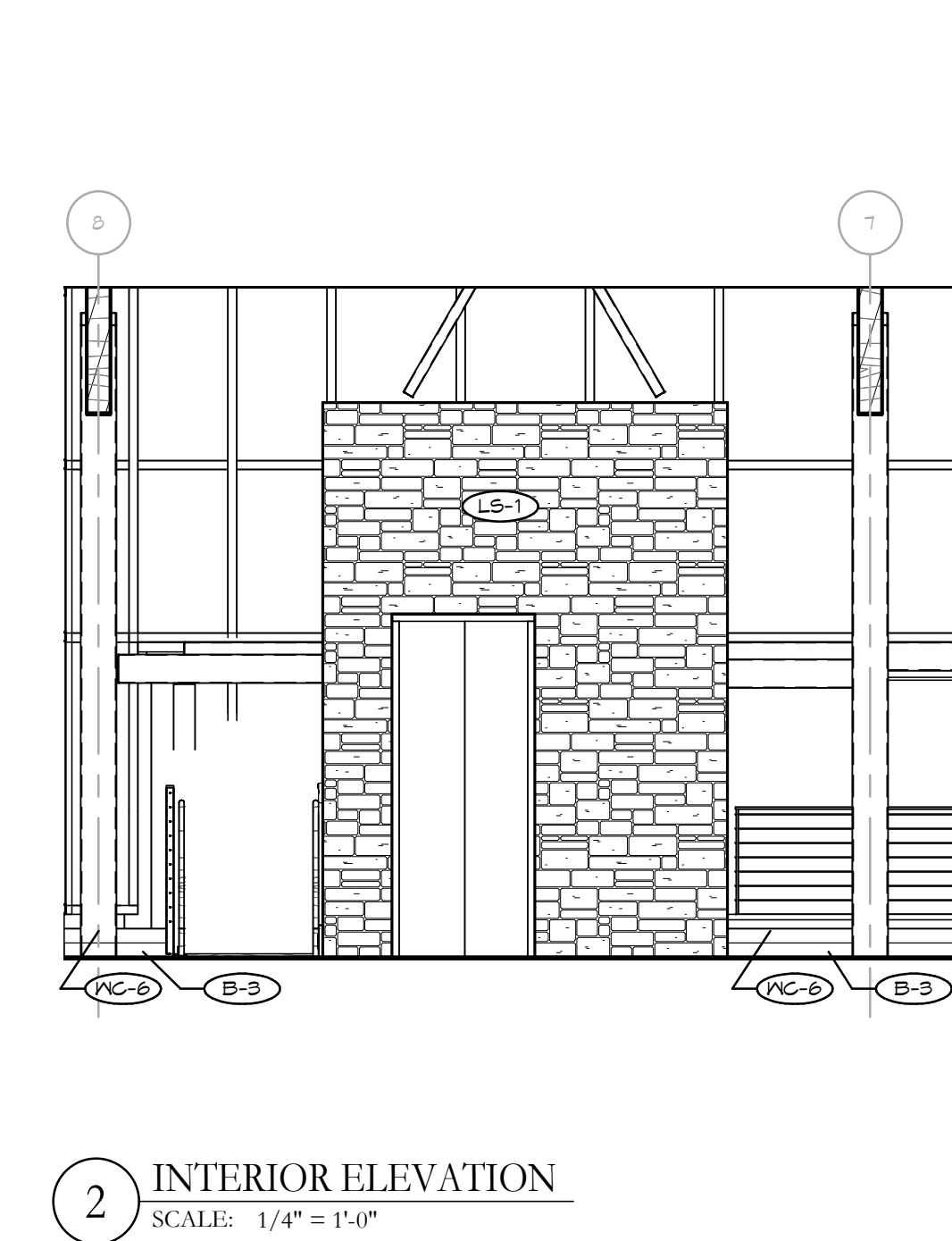
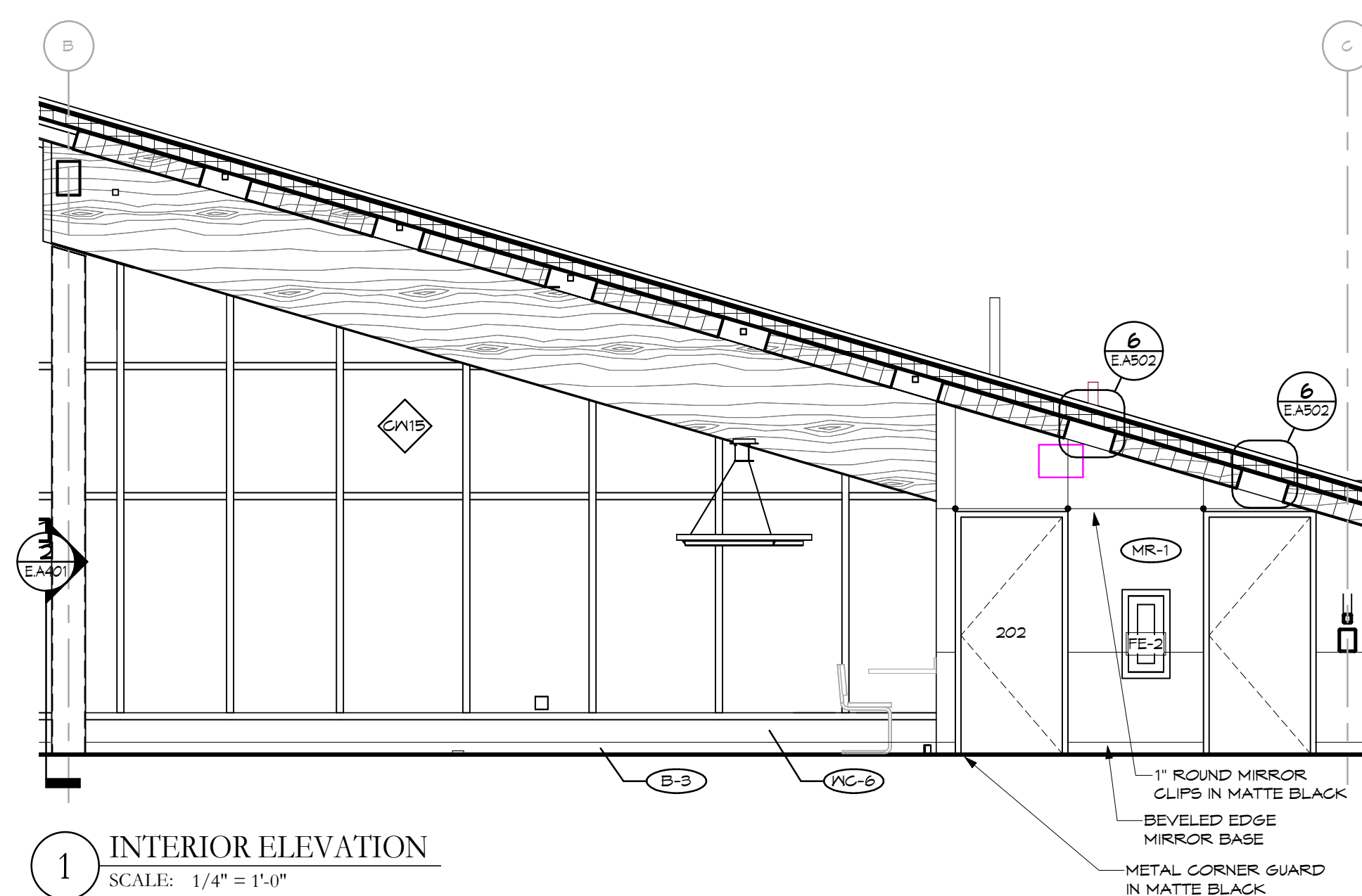
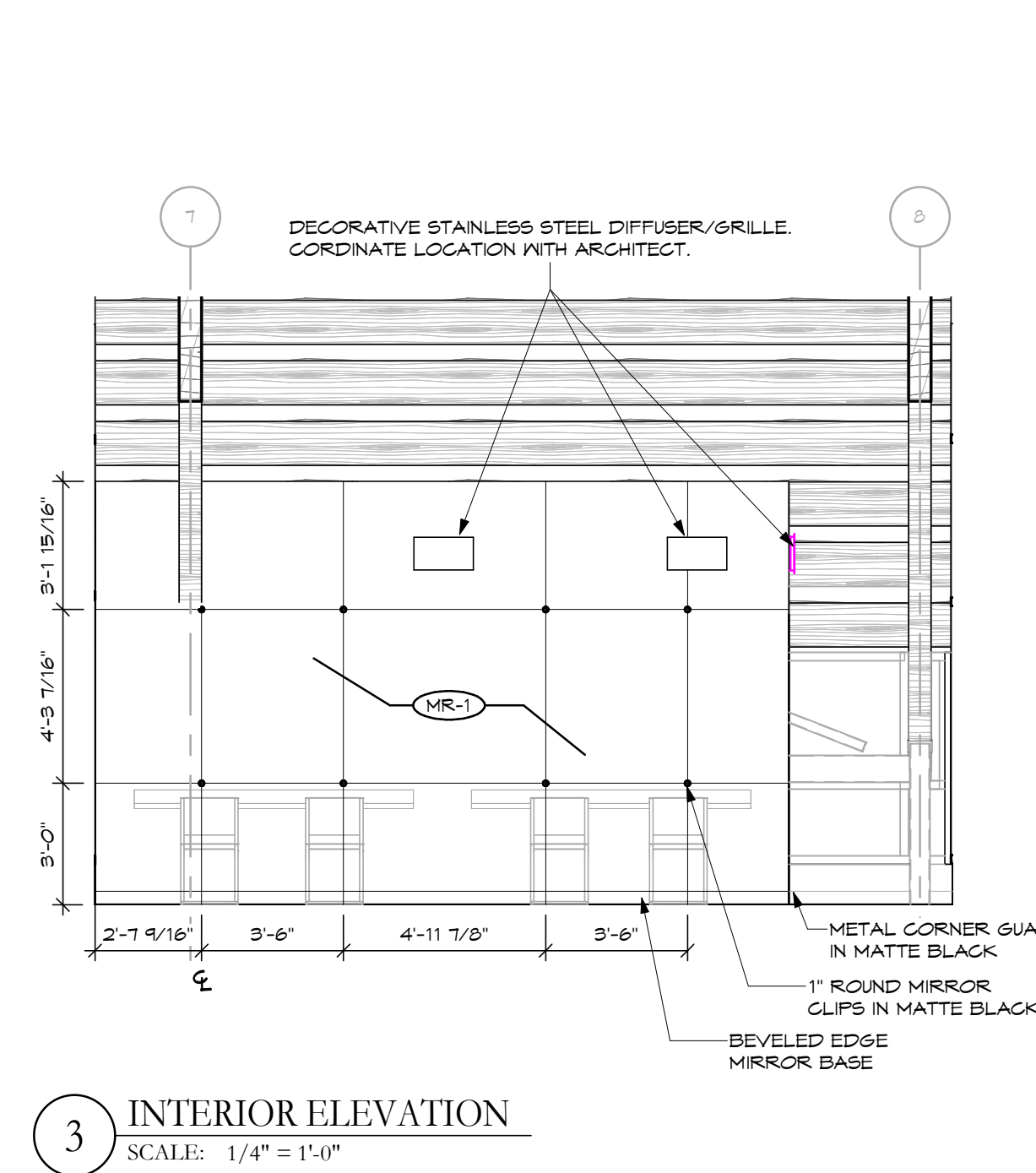
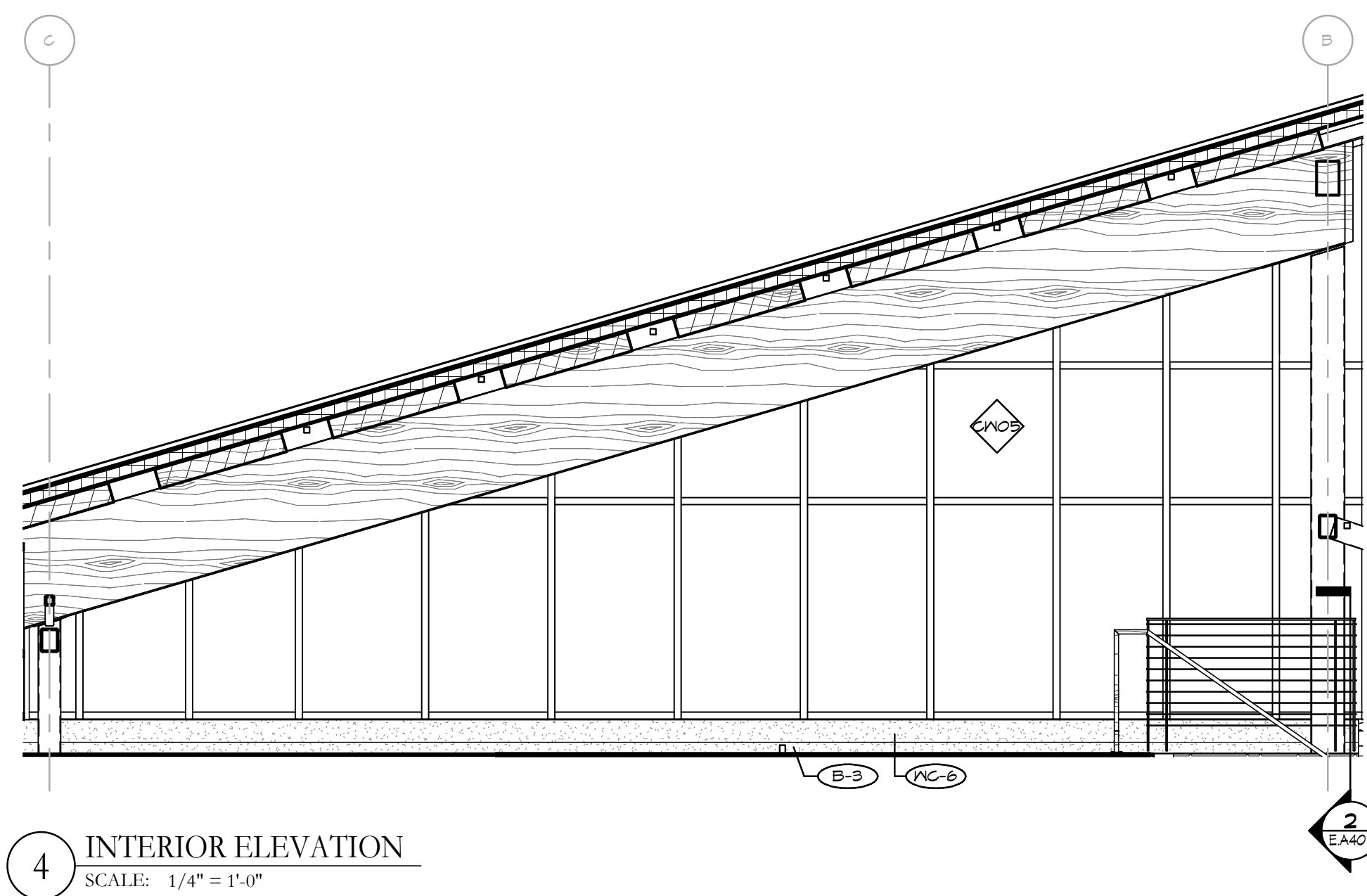
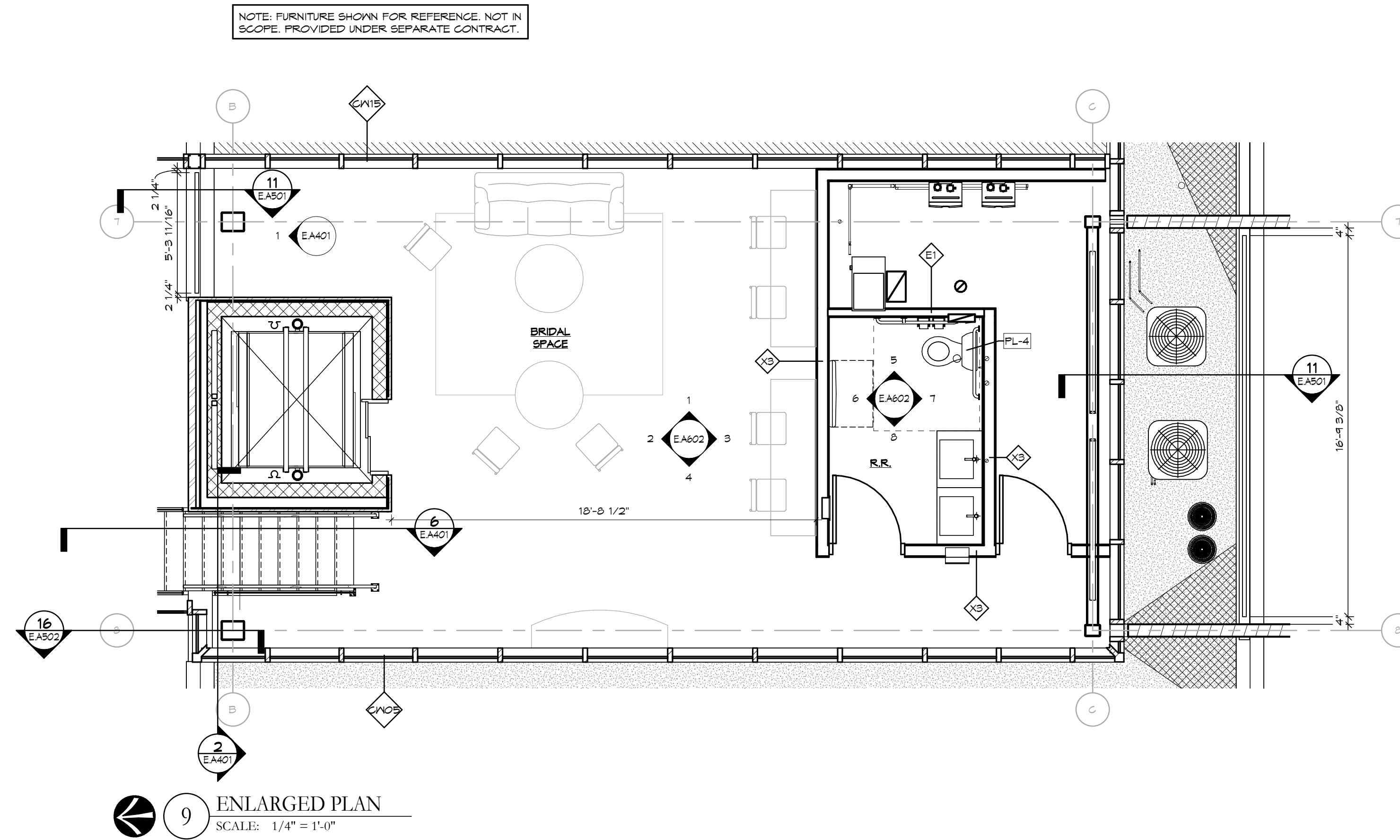
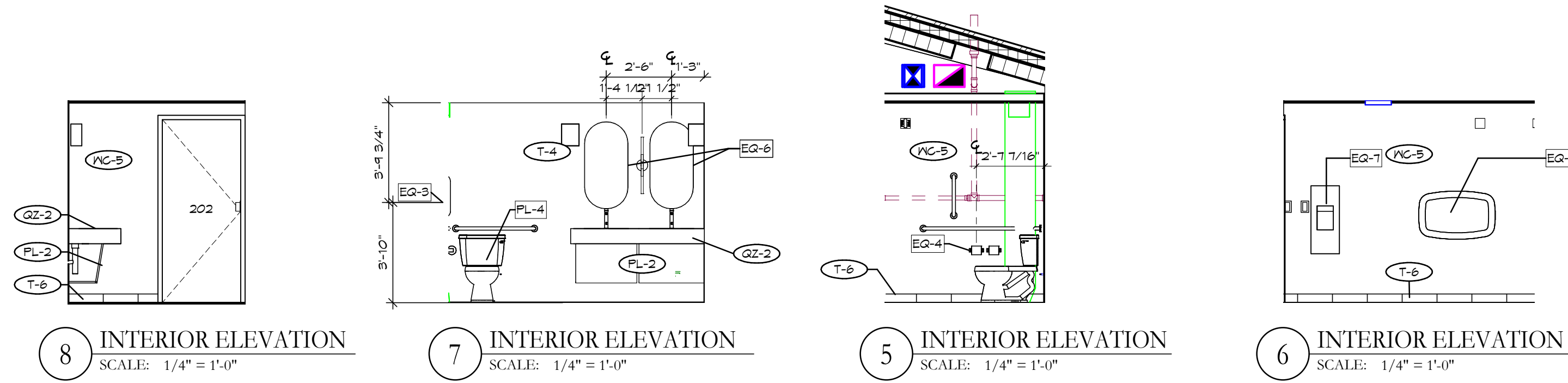
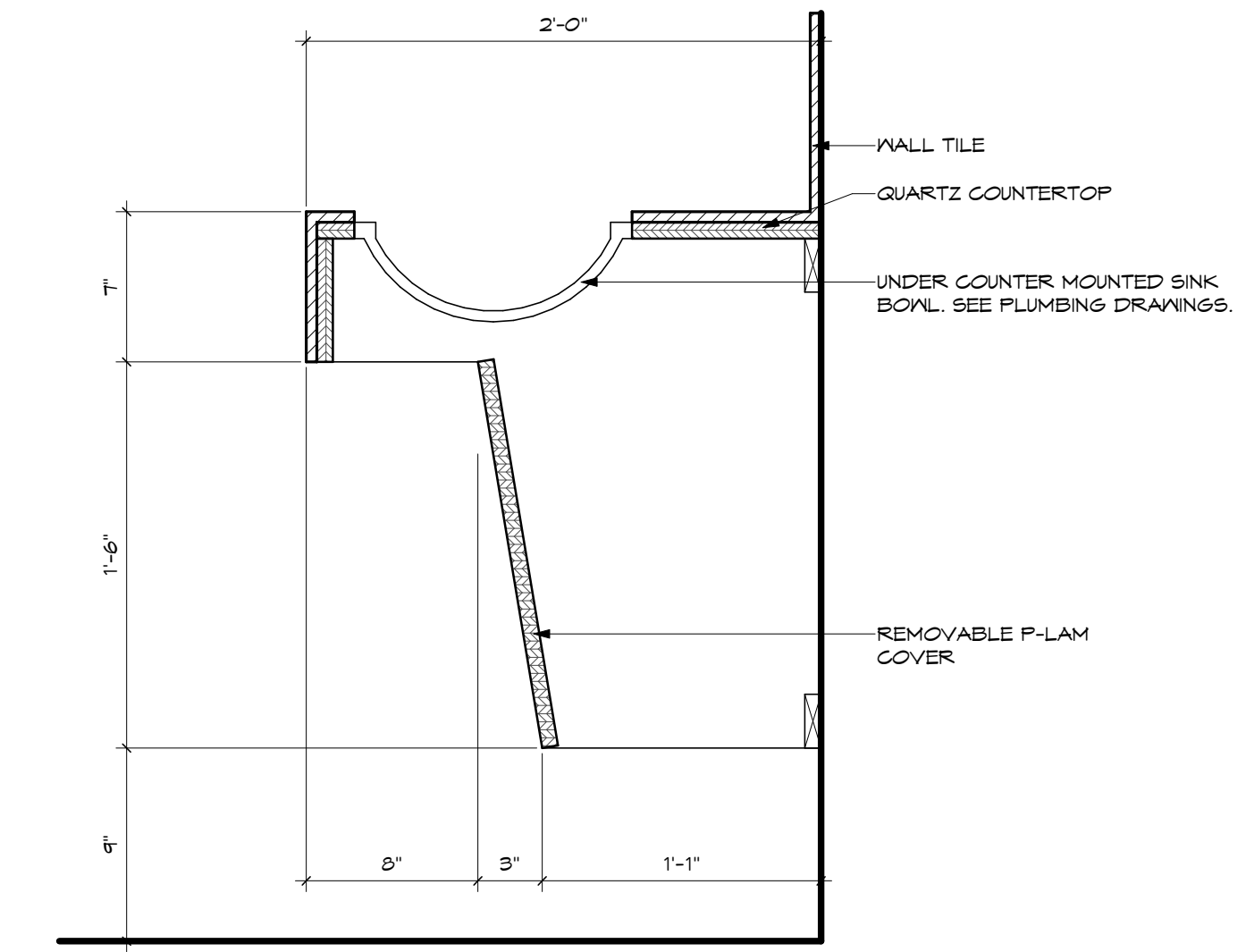
(1ST FLOOR) ENLARGED RESTROOM PLANS AND ELEVATIONS

	Comm. No.	Date
	22627.00	2023-11-21
	Drawn	Drawing No.
	A.M.F.	E.A601
Checked	L.L.	

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○ SHEET NOTES:

EQUIPMENT SCHEDULE							
TAG	ITEM TYPE	DESCRIPTION	COUNT	MANUFACTURER	MODEL #	FINISH	REMARKS
EQ-02	RESTROOM	CHANGING STATION, RECESSED MOUNTED	5	AMERICAN SPECIALTIES	901B-41	MATTE BLACK	
EQ-03	RESTROOM	ADA GRAB BAR		MOEN	ALIGN GRAB BAR- Y60424B6	BRUSHED GOLD	
EQ-4	RESTROOM	WALL MOUNTED SPRING BAR TOILET PAPER HOLDER	12	MOEN	ALIGN PAPER HOLDER- YB0409B6	BRUSHED GOLD	
EQ-5	RESTROOM	WALL HUNG MIRROR	5	KOHLER	ESSENTIAL K-26052-B6L	BRUSHED GOLD 22"X34"	
EQ-6	RESTROOM	WALL HUNG MIRROR	3	KOHLER	ESSENTIAL K-26051-B6L	BRUSHED GOLD 20"X40"	
EQ-7	RESTROOM	PAPER TOWEL DISPENSER & WASTE RECEPTACLE	1	AMERICAN SPECIALTIES	SIMPLICITY- 6467-41PC	MATTE BLACK	
EQ-8	KITCHEN CORRIDOR	ICE MACHINE	1	INDIGO NXT	MONITONOC - ITO450		BY CONTRACTOR
EQ-9	GROOM'S ROOM	TV	1				BY OWNER INSTALL BY CONTRACTOR



No.	Revisions / Submissions	Date
1	ADDENDUM 1	2023-10-24
2	ADDENDUM 2	2023-11-01

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434 East First Street Dayton, OH 45402 937.223.6500
712 East Main Street Richmond, IN 47374 765.966.3546

City of Centerville
Benham's Grove

Event Center & Site Improvements

250 N MAIN ST, CENTERVILLE, OH 45459

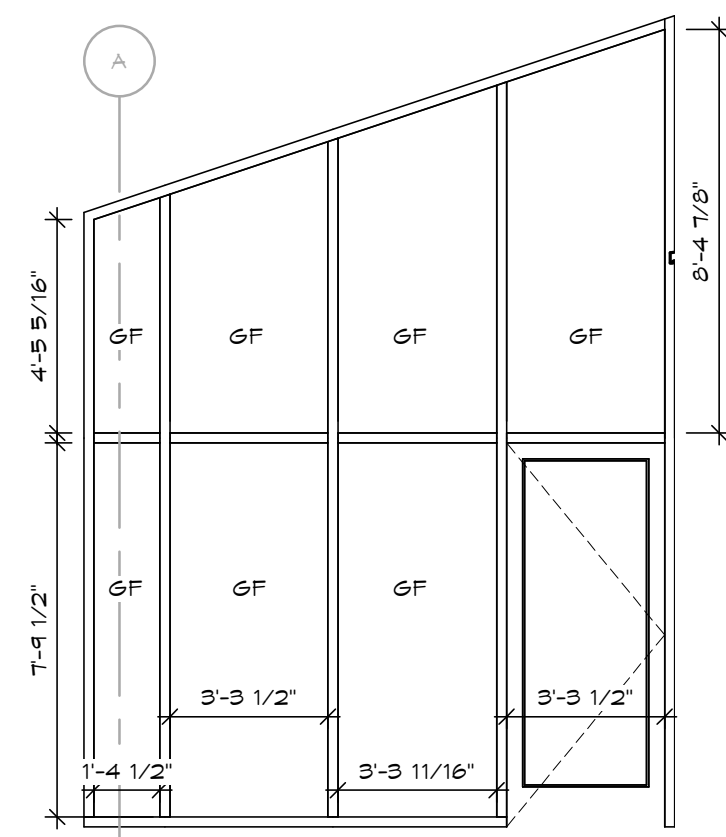
(2ND FLOOR) ENLARGED RESTROOM PLANS AND ELEVATIONS

	Comm. No.	Date
	22627.00	2023-11-21
	Drawn	Drawing No.
	R.M.	E.A.602
Checked	L.L.	

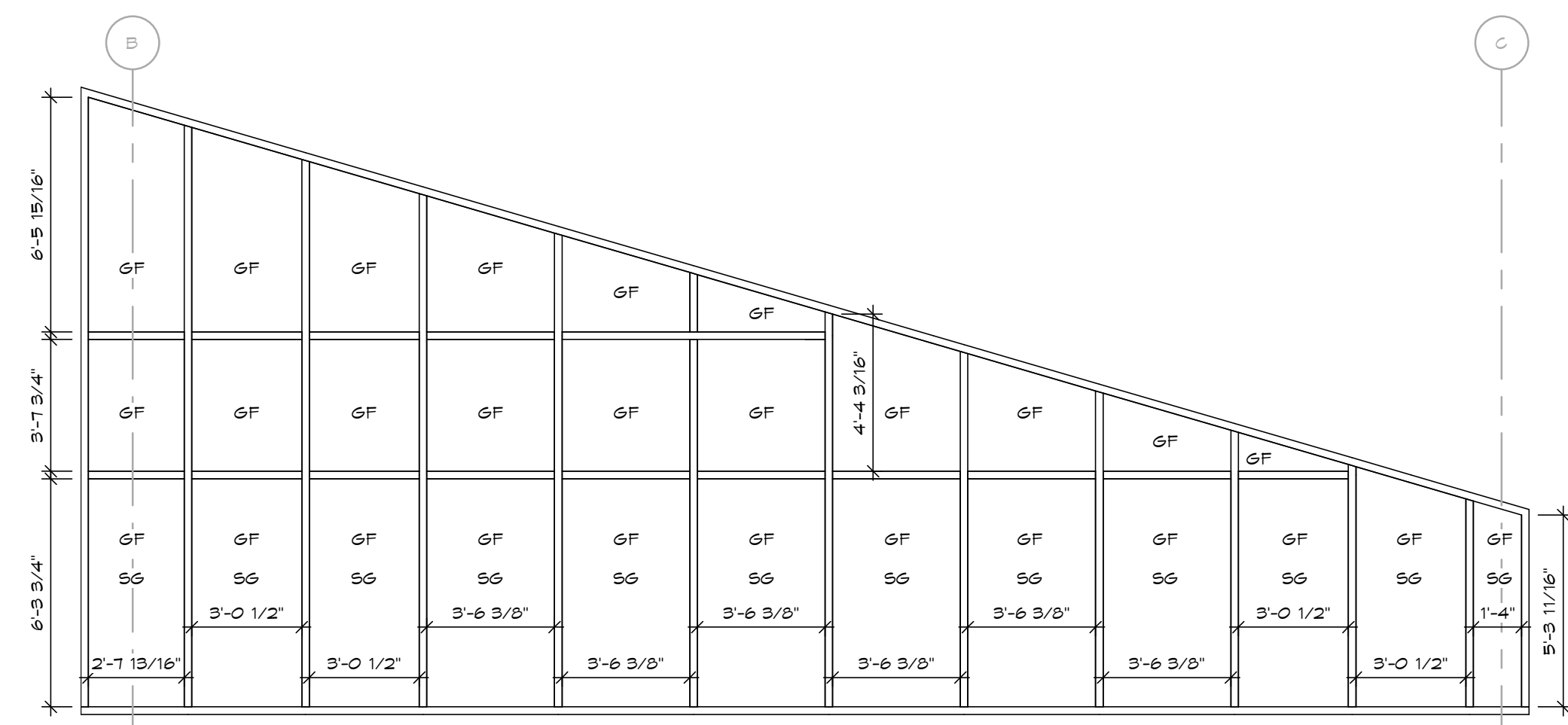
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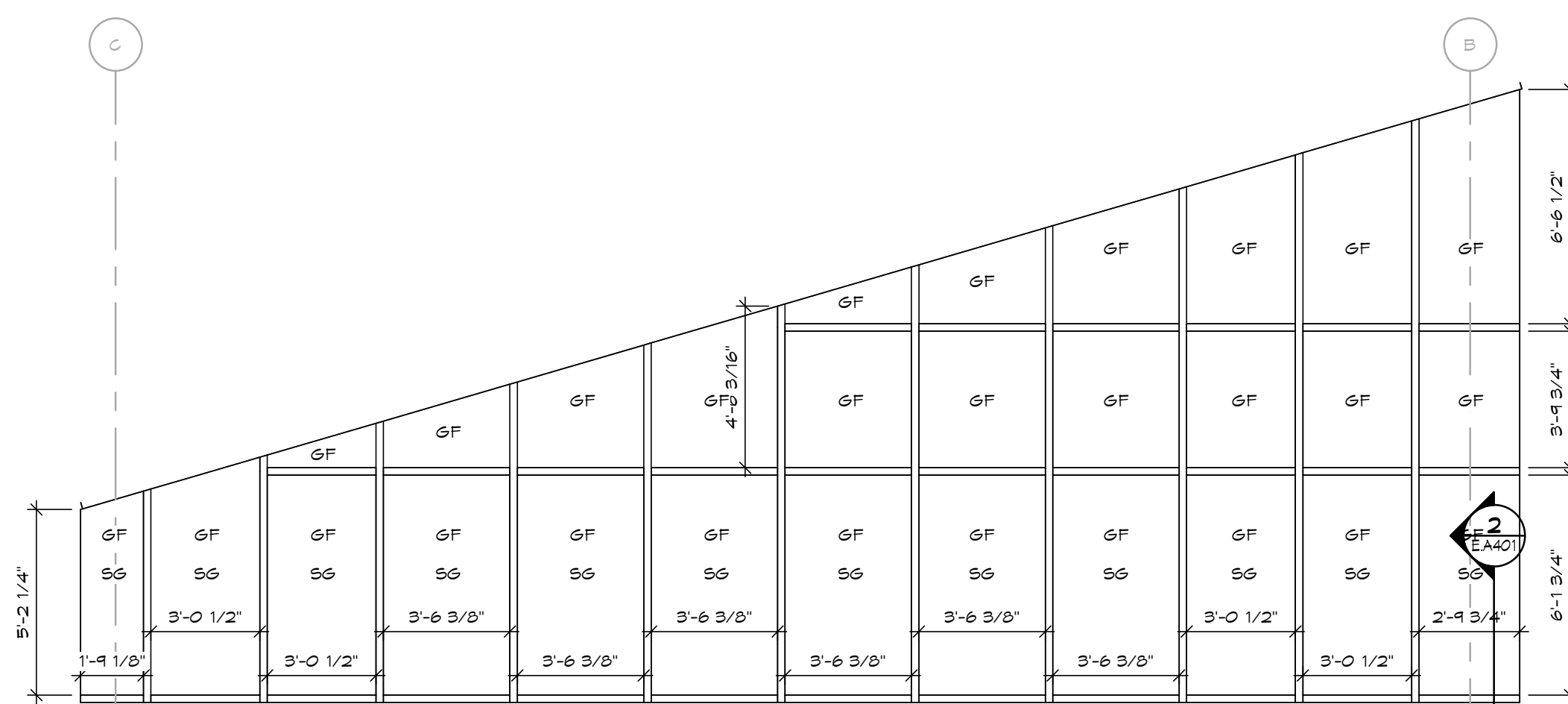
GLAZING FILM TYPES	
TAG	GLAZING FILM TYPE
GF	GLASS FILM
SG	SPANGREL GLASS ALTERNATE



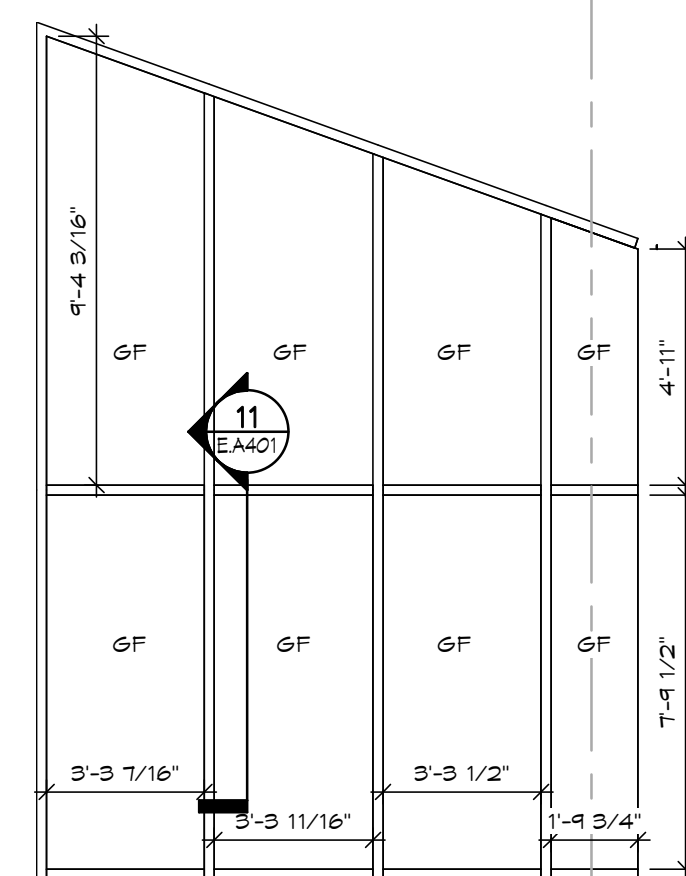
5 GLASS FILM - BRIDAL ENTRY - EAST
SCALE: 1/4" = 1'-0"



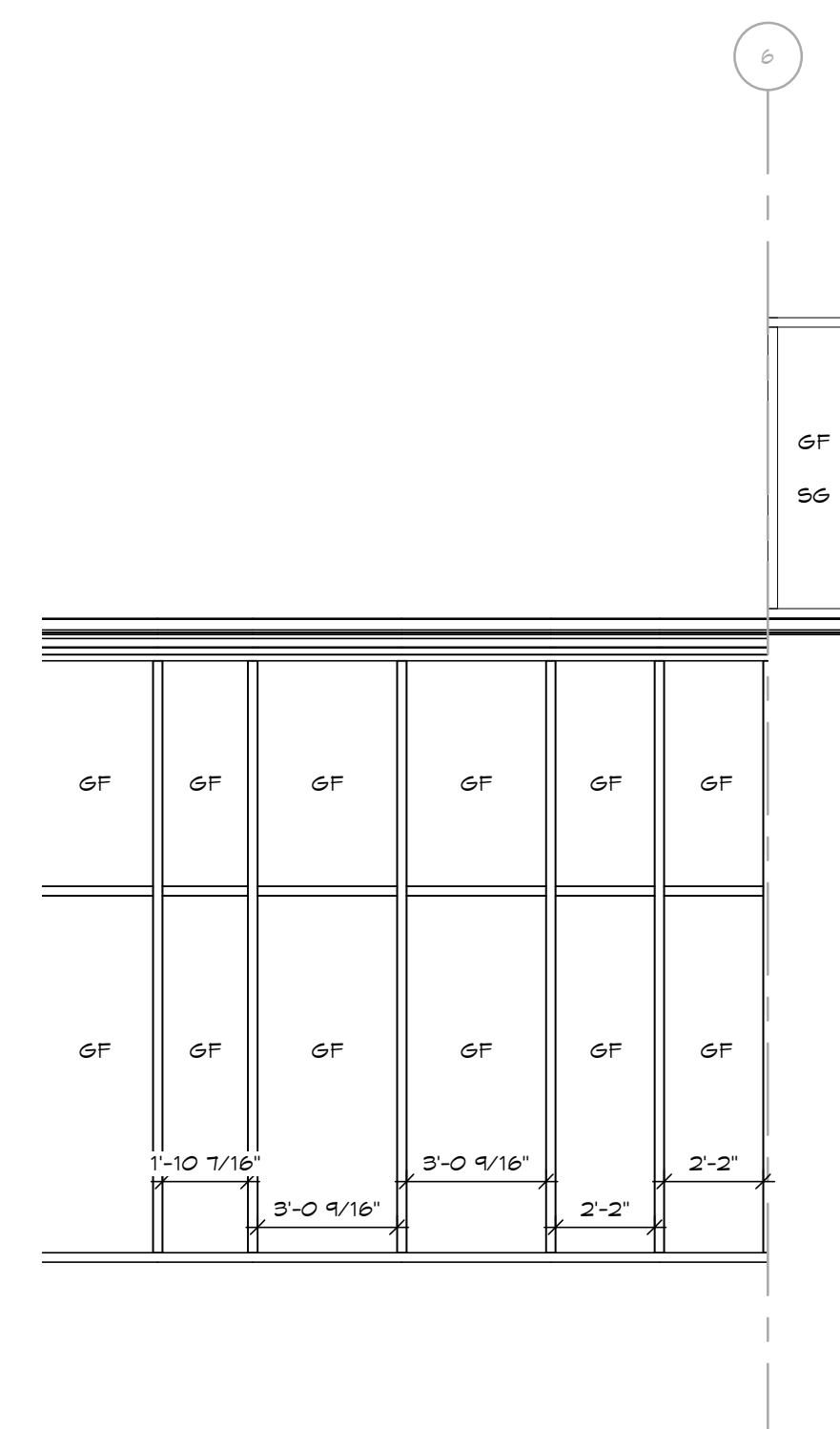
3 GLASS FILM - BRIDAL SPACE - EAST
SCALE: 1/4" = 1'-0"



4 GLASS FILM - BRIDAL SPACE - WEST
SCALE: 1/4" = 1'-0"



2 GLASS FILM - BRIDAL ENTRY - WEST
SCALE: 1/4" = 1'-0"



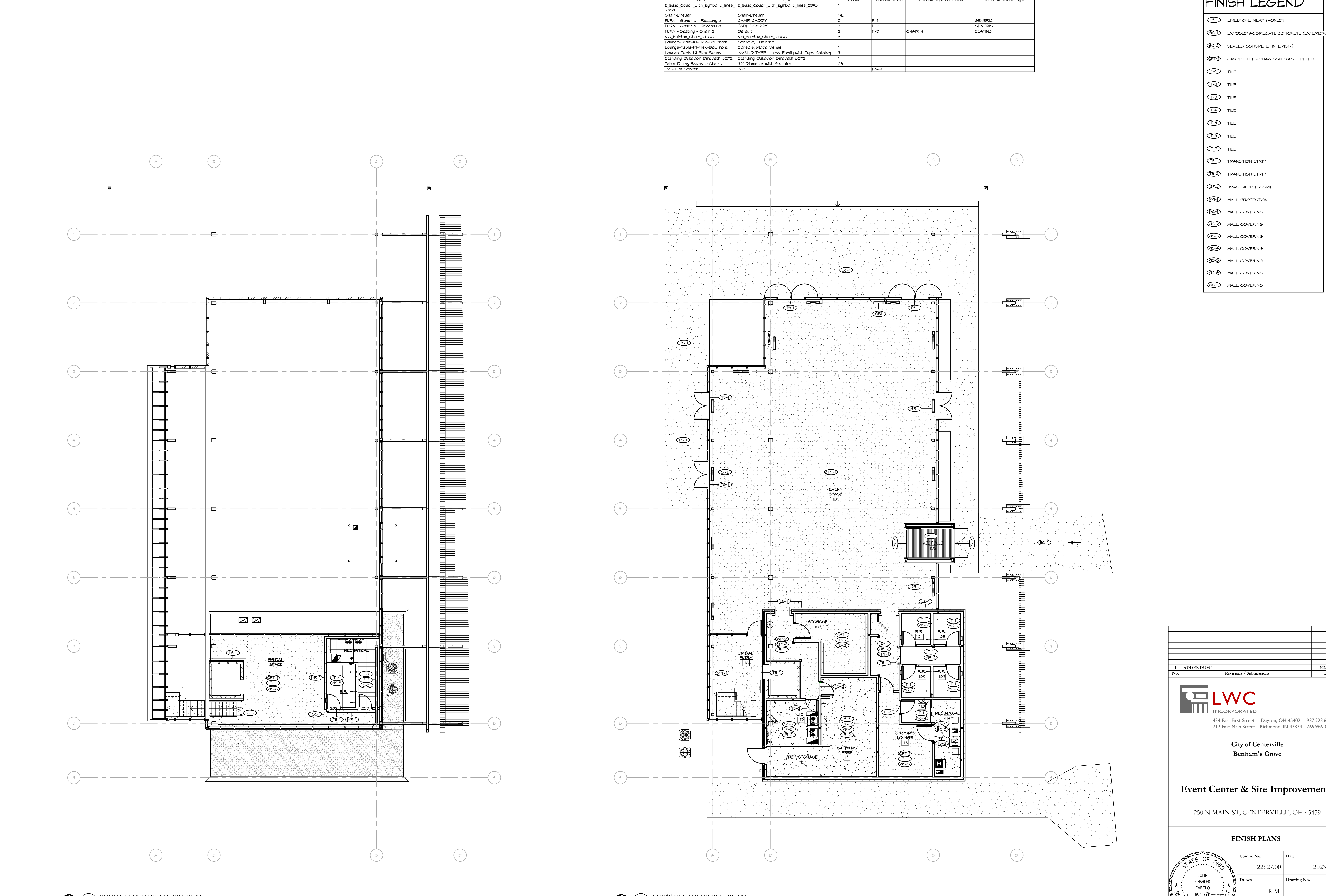
1 GLASS FILM - BRIDAL ENTRY - NORTH
SCALE: 1/4" = 1'-0"

FINISH MATERIAL SCHEDULE					
CODE	MATERIAL	MANUFACTURER	DESCRIPTION / PATTERN	COLOR / MATERIAL	REMARKS
ACT-1	ACOUSTICAL CEILING TILE				
B-1	BASE	TARKETT	MILLPORK BASE/ MANDALAY	-	
B-2	BASE	TARKETT	MILLPORK BASE/ MANDALAY	-	
B-3	BASE	TARKETT	MILLPORK BASE/ MANDALAY	-	
CS-1	CORNER GUARD	TARKETT	YBS-XXX-C	-	
GPT-1	CARPET	SHAW CONTRACT	FELTED/ ST455	-	
FA-1	FLOORING ACCESSORY	SCHULTER	COVE SHAPED PROFILES	-	
G-1	GROUT	MAPEL	-	-	FIRST FLOOR RR.
G-2	GROUT	MAPEL	-	-	BRIDAL SUITE RR.
G-3	GROUT	MAPEL	-	21- SILVER	UTILITY ROOM.
MR-1	MIRROR	MAPEL	BEVELED EDGE MIRROR	-	CUSTOM CUT
P-1	PANT	SHERINN WILLIAMS	-	-	
P-2	PANT	SHERINN WILLIAMS	-	-	DOOR FRAME
P-3	PANT	SHERINN WILLIAMS	-	-	UTILITY ROOM
P-4	PANT	SHERINN WILLIAMS	-	-	RAILING
P-5	PANT	SHERINN WILLIAMS	-	-	
P-6	PANT	SHERINN WILLIAMS	-	-	FRAMES
P-7	PANT	SHERINN WILLIAMS	-	-	CEILING
P-8	PANT	SHERINN WILLIAMS	-	-	STRUCTURE
P-8	PANT	SHERINN WILLIAMS	-	-	
PL-1	PLASTIC LAMINATE	NILSONART	-	-	FIRST FLOOR RR.
PL-2	PLASTIC LAMINATE	NILSONART	-	-	BRIDAL SUITE RR.
PL-3	PLASTIC LAMINATE	NILSONART	-	-	
QZ-1	QUARTZ	NILSONART	-	-	FIRST FLOOR RR.
QZ-2	QUARTZ	NILSONART	-	-	BRIDAL SUITE RR.
ST-1	STONE	-	-	-	
STN-1	STONE	-	-	-	
T-1	TILE	DALTILE	PANORAMIC PORCELAIN SURFACES	ZEBRA CALACATTA GMSR- MATTE	BLACK - FLOOR
T-2	TILE	DALTILE	PANORAMIC PORCELAIN SURFACES	ZEBRA CALACATTA GMSR- MATTE	BLACK - WALL
T-3	TILE	DALTILE	PANORAMIC PORCELAIN SURFACES	ZEBRA CALACATTA GMSR- MATTE	CUSTOM CUT, BLACK - BASE
T-4	TILE	DALTILE	MARBLE ATTACHE / MATTE 24X40	STATUARIO GMS3 - MATTE	WHITE - FLOOR
T-5	TILE	DALTILE	MARBLE ATTACHE / MATTE 24X40	STATUARIO GMS3 - MATTE	WHITE - WALL
T-6	TILE	DALTILE	MARBLE ATTACHE / MATTE	STATUARIO GMS3 - MATTE	CUSTOM CUT, WHITE - BASE
T-7	TILE	CROSSVILLE	CROSS-COLOR MNSLES	MERCURY	UTILITY ROOM
TS-1	TRANSITION	SCHULTER	-	-	
PC-1	WALL COVERING	-	-	-	
PC-2	WALL COVERING	-	-	-	RESTROOMS
PC-3	WALL COVERING	-	-	-	GROOMS ROOM
PC-4	WALL COVERING	-	-	-	GROOMS ROOM RR.
PC-5	WALL COVERING	-	-	-	BRIDAL SUITE RR.
PC-6	WALL COVERING	-	-	-	BRIDAL SUITE
WP-1	WALL PROTECTION	-	-	-	KITCHEN
WP-2	WALL PROTECTION	-	-	-	CORRIDOR

No.	Revisions / Submissions	Date
 434 East First Street Dayton, OH 45402 937.223.6500 712 East Main Street Richmond, IN 47374 765.966.3546		
City of Centerville Benham's Grove Event Center & Site Improvements 250 N MAIN ST, CENTERVILLE, OH 45459		
INTERIOR DESIGN		
Comm. No.	Date	
22627.00	2023-11-21	
Drawn	C.L.W.	Drawing No.
Checked	L.L.	E.ID001
		
JOHN C. FABELO LICENSE ARC 8711789, EXPIRES: 12/31/23		

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Family	Type	Count	Schedule - Tag	Schedule - Description	Schedule - Item Type
3_Seat_Couch_with_Symbolic_Lines_2399	3_Seat_Couch_with_Symbolic_Lines_2399	1			
Chair-Breuer	Chair-Breuer	143			
FURN - Generic - Rectangle	CHAIR CADDY	2	F-1		GENERIC
FURN - Generic - Rectangle	TABLE CADDY	3	F-2		GENERIC
FURN - Seating - Chair 2	Default	2	F-3	CHAIR 4	SEATING
KN FairFax_Chair_21100	KN FairFax_Chair_21100	6			
Lounge-Table-Ki-Flex-Bouffront	Console, Laminate	1			
Lounge-Table-Ki-Flex-Bouffront	Console, Wood Veneer	1			
Lounge-Table-Ki-Flex-Round	INVALID TYPE - Load Family with Type Catalog	3			
Standing_Outdoor_Birdsath_3272	Standing_Outdoor_Birdsath_3272	1			
Table-Dining_Round_w_Chairs	12' Diameter with 6 chairs	23			
TV - Flat_Screen	50"	1	EQ-1		

FINISH LEGEND	
(L51)	LIMESTONE INLAY (HONED)
(S1)	EXPOSED AGGREGATE CONCRETE (EXTERIOR)
(S2)	SEALED CONCRETE (INTERIOR)
(CPT)	CARPET TILE - SHAW CONTRACT FELTED
(T1)	TILE
(T2)	TILE
(T3)	TILE
(T4)	TILE
(T5)	TILE
(T6)	TILE
(T7)	TILE
(T8)	TILE
(T9)	TILE
(T10)	TILE
(TS1)	TRANSITION STRIP
(TS2)	TRANSITION STRIP
(GR)	HVAC DIFFUSER GRILL
(PW)	WALL PROTECTION
(WC1)	WALL COVERING
(WC2)	WALL COVERING
(WC3)	WALL COVERING
(WC4)	WALL COVERING
(WC5)	WALL COVERING
(WC6)	WALL COVERING
(WC7)	WALL COVERING
(WC8)	WALL COVERING
(WC9)	WALL COVERING

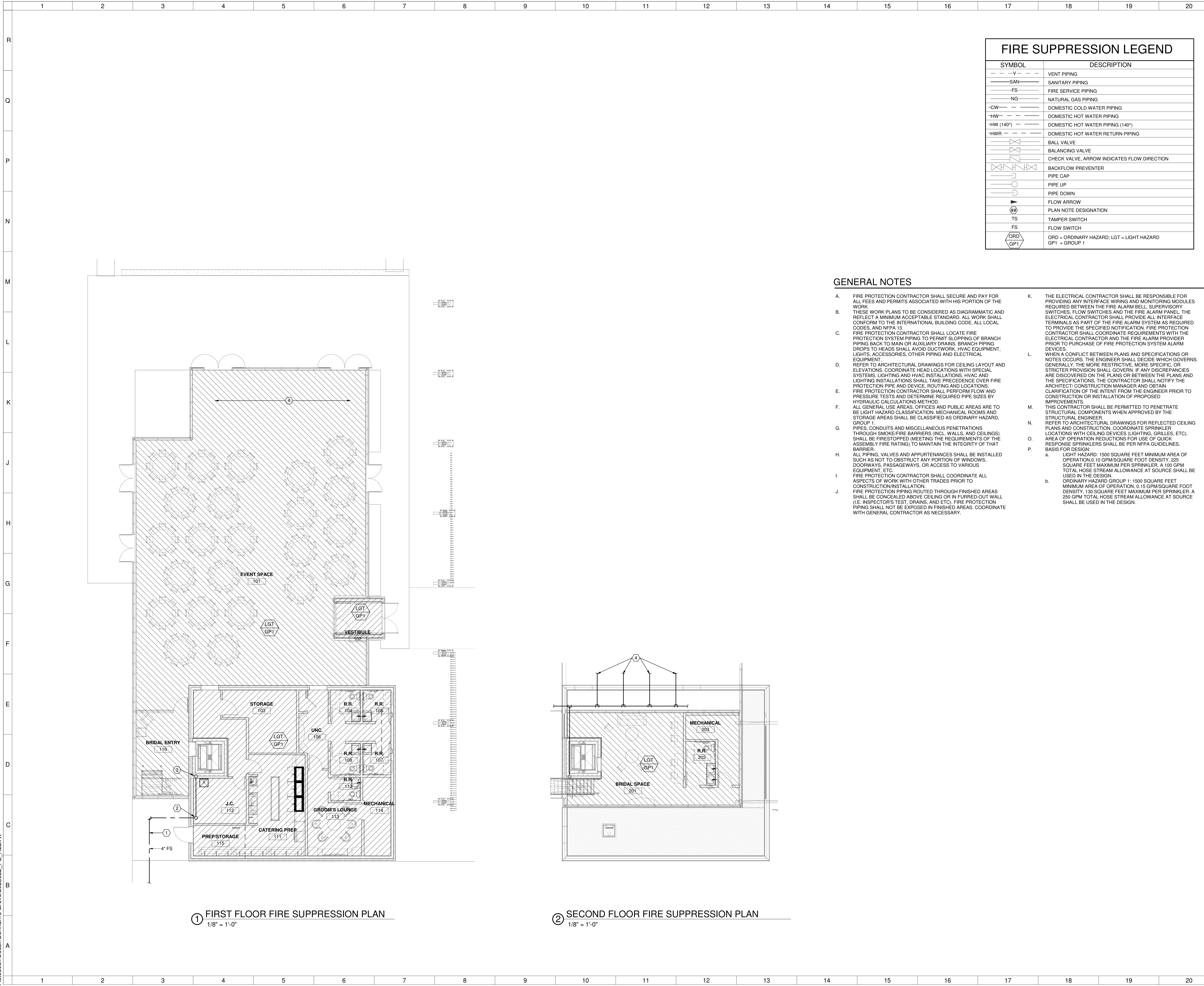
2 SECOND FLOOR FINISH PLAN
SCALE: 1/8" = 1'-0"

1 FIRST FLOOR FINISH PLAN
SCALE: 1/8" = 1'-0"

ADDENDUM 1		2023-10-24
No.	Revisions / Submissions	Date
 434 East First Street Dayton, OH 45402 937.223.6500 712 East Main Street Richmond, IN 47374 765.966.3546		
City of Centerville Benham's Grove		
Event Center & Site Improvements 250 N MAIN ST, CENTERVILLE, OH 45459		
FINISH PLANS		
Comm. No.	22627.00	Date 2023-11-21
Drawn	R.M.	Drawing No. E.ID101
Checked	L.L.	
 JOHN C. FABELO LICENSE ARC 9711789, EXPIRES: 12/31/23		
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① FIRST FLOOR FIRE SUPPRESSION PLAN
1/8" = 1'-0"

② SECOND FLOOR FIRE SUPPRESSION PLAN
1/8" = 1'-0"

FIRE SUPPRESSION LEGEND	
SYMBOL	DESCRIPTION
---V---	VENT PIPING
SAN	SANITARY PIPING
FS	FIRE SERVICE PIPING
NG	NATURAL GAS PIPING
-CW-	DOMESTIC COLD WATER PIPING
-HW-	DOMESTIC HOT WATER PIPING
-HW (140°)-	DOMESTIC HOT WATER PIPING (140°)
-HWR-	DOMESTIC HOT WATER RETURN PIPING
[Symbol]	BALL VALVE
[Symbol]	BALANCING VALVE
[Symbol]	CHECK VALVE, ARROW INDICATES FLOW DIRECTION
[Symbol]	BACKFLOW PREVENTER
[Symbol]	PIPE CAP
[Symbol]	PIPE UP
[Symbol]	PIPE DOWN
[Symbol]	FLOW ARROW
[Symbol]	PLAN NOTE DESIGNATION
TS	TAMPER SWITCH
FS	FLOW SWITCH
ORD	ORD = ORDINARY HAZARD; LGT = LIGHT HAZARD
GP1	GP1 = GROUP 1

GENERAL NOTES

- A. FIRE PROTECTION CONTRACTOR SHALL SECURE AND PAY FOR ALL FEES AND PERMITS ASSOCIATED WITH HIS PORTION OF THE WORK.
- B. THESE WORK PLANS TO BE CONSIDERED AS DIAGRAMMATIC AND REFLECT A MINIMUM ACCEPTABLE STANDARD. ALL WORK SHALL CONFORM TO THE INTERNATIONAL BUILDING CODE, ALL LOCAL CODES, AND NFPA 13.
- C. FIRE PROTECTION CONTRACTOR SHALL LOCATE FIRE PROTECTION SYSTEM PIPING TO PERMIT SLOPPING OF BRANCH PIPING BACK TO MAIN OR AUXILIARY DRAINS. BRANCH PIPING DROPS TO HEADS SHALL AVOID DUCTWORK, HVAC EQUIPMENT, LIGHTS, ACCESSORIES, OTHER PIPING AND ELECTRICAL EQUIPMENT.
- D. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING LAYOUT AND ELEVATIONS. COORDINATE HEAD LOCATIONS WITH SPECIAL SYSTEMS, LIGHTING AND HVAC INSTALLATIONS. HVAC AND LIGHTING INSTALLATIONS SHALL TAKE PRECEDENCE OVER FIRE PROTECTION PIPE AND DEVICE, ROUTING AND LOCATIONS.
- E. FIRE PROTECTION CONTRACTOR SHALL PERFORM FLOW AND PRESSURE TESTS AND DETERMINE REQUIRED PIPE SIZES BY HYDRAULIC CALCULATIONS METHOD.
- F. ALL GENERAL USE AREAS, OFFICES AND PUBLIC AREAS ARE TO BE LIGHT HAZARD CLASSIFICATION. MECHANICAL ROOMS AND STORAGE AREAS SHALL BE CLASSIFIED AS ORDINARY HAZARD, GROUP 1.
- G. PIPES, CONDUITS AND MISCELLANEOUS PENETRATIONS THROUGH SMOKE/FIRE BARRIERS (INCL. WALLS, AND CEILINGS) SHALL BE FIRESTOPPED (MEETING THE REQUIREMENTS OF THE ASSEMBLY FIRE RATING) TO MAINTAIN THE INTEGRITY OF THAT BARRIER.
- H. ALL PIPING, VALVES AND APPURTENANCES SHALL BE INSTALLED SUCH AS NOT TO OBSTRUCT ANY PORTION OF WINDOWS, DOORWAYS, PASSAGEWAYS, OR ACCESS TO VARIOUS EQUIPMENT, ETC.
- I. FIRE PROTECTION CONTRACTOR SHALL COORDINATE ALL ASPECTS OF WORK WITH OTHER TRADES PRIOR TO CONSTRUCTION/INSTALLATION.
- J. FIRE PROTECTION PIPING ROUTED THROUGH FINISHED AREAS SHALL BE CONCEALED ABOVE CEILING OR IN FURRED-OUT WALL (I.E. INSPECTOR'S TEST, DRAINS, AND ETC). FIRE PROTECTION PIPING SHALL NOT BE EXPOSED IN FINISHED AREAS. COORDINATE WITH GENERAL CONTRACTOR AS NECESSARY.
- K. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ANY INTERFACE WIRING AND MONITORING MODULES REQUIRED BETWEEN THE FIRE ALARM BELL, SUPERVISORY SWITCHES, FLOW SWITCHES AND THE FIRE ALARM PANEL. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL INTERFACE TERMINALS AS PART OF THE FIRE ALARM SYSTEM AS REQUIRED TO PROVIDE THE SPECIFIED NOTIFICATION. FIRE PROTECTION CONTRACTOR SHALL COORDINATE REQUIREMENTS WITH THE ELECTRICAL CONTRACTOR AND THE FIRE ALARM PROVIDER PRIOR TO PURCHASE OF FIRE PROTECTION SYSTEM ALARM DEVICES.
- L. WHEN A CONFLICT BETWEEN PLANS AND SPECIFICATIONS OR NOTES OCCURS, THE ENGINEER SHALL DECIDE WHICH GOVERNS. GENERALLY, THE MORE RESTRICTIVE, MORE SPECIFIC OR STRICTER PROVISION SHALL GOVERN. IF ANY DISCREPANCIES ARE DISCOVERED ON THE PLANS OR BETWEEN THE PLANS AND THE SPECIFICATIONS, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/CONSTRUCTION MANAGER AND OBTAIN CLARIFICATION OF THE INTENT FROM THE ENGINEER PRIOR TO CONSTRUCTION OR INSTALLATION OF PROPOSED IMPROVEMENTS.
- M. THIS CONTRACTOR SHALL BE PERMITTED TO PENETRATE STRUCTURAL COMPONENTS WHEN APPROVED BY THE STRUCTURAL ENGINEER.
- N. REFER TO ARCHITECTURAL DRAWINGS FOR REFLECTED CEILING PLANS AND CONSTRUCTION. COORDINATE SPRINKLER LOCATIONS WITH CEILING DEVICES (LIGHTING, GRILLES, ETC).
- O. AREA OF OPERATION REDUCTIONS FOR USE OF QUICK RESPONSE SPRINKLERS SHALL BE PER NFPA GUIDELINES, BASIS FOR DESIGN:
 - a. LIGHT HAZARD: 1500 SQUARE FEET MINIMUM AREA OF OPERATION, 0.10 GPM/SQUARE FOOT DENSITY, 225 SQUARE FEET MAXIMUM PER SPRINKLER, A 100 GPM TOTAL HOSE STREAM ALLOWANCE AT SOURCE SHALL BE USED IN THE DESIGN.
 - b. ORDINARY HAZARD GROUP 1: 1500 SQUARE FEET MINIMUM AREA OF OPERATION, 0.15 GPM/SQUARE FOOT DENSITY, 130 SQUARE FEET MAXIMUM PER SPRINKLER, A 250 GPM TOTAL HOSE STREAM ALLOWANCE AT SOURCE SHALL BE USED IN THE DESIGN.
- P.

SHEET NOTES:

- 1. 4" FIRE SERVICE ENTRANCE. SERVICE TAP SHALL BE FROM THE STREET. SERVICE SIZE OF PIPING TO BE EVALUATED AND CONFIRMED BY FIRE SUPPRESSION ENGINEER PRIOR TO CONSTRUCTION.
- 2. FIRE SUPPRESSION SERVICE ASSEMBLY INCLUDING DOUBLE DETECTOR CHECK ASSEMBLY AND FLOW AND TAMPER SWITCHES.
- 3. SPRINKLER SUPPLY PIPING TO BE RAN UP ELEVATOR FURRED WALL UP TO ROOF STRUCTURE.
- 4. SPRINKLER PIPING TO BE ROUTED WITHIN STRUCTURAL FRAMING SPACES. REFER TO ARCHITECTURAL DRAWINGS FOR FRAMING NOTCHING FOR UTILITY RUNS.

Event Center & Site Rebid		2023-11-21
No.	Revisions / Submissions	Date

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Benham's Grove City of Centerville
CLIENT BUILDING

Benham's Grove Event Center

166 N MAIN ST, CENTERVILLE, OH 45459

FIRE SUPPRESSION PLANS			
Comm. No.	22627.00	Date	2023-11-21
Drawn	JLW	Drawing No.	E.FS101
Checked	JLW		

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GENERAL NOTES


- PLUMBING CONTRACTOR SHALL SECURE AND PAY FOR ALL FEES AND PERMITS ASSOCIATED WITH HIS PORTION OF THE WORK.
 - PLUMBING CONTRACTOR SHALL COORDINATE ALL ASPECTS OF WORK WITH OTHER TRADES PRIOR TO AND DURING CONSTRUCTION/INSTALLATION.
 - WORK PLANS TO BE CONSIDERED AS DIAGRAMMATIC AND ALONG WITH THE SPECIFICATIONS, REFLECT A MINIMUM ACCEPTABLE STANDARD. ALL WORK SHALL CONFORM TO THE OHIO PLUMBING CODE, AND THE AMERICANS WITH DISABILITIES ACT GUIDELINES.
 - UNLESS OTHERWISE NOTED, ALL FLOOR DRAINS SHALL BE THREE (3") INCH IN SIZE.
 - WHEN A CONFLICT BETWEEN PLANS AND SPECIFICATIONS OR NOTES OCCURS, THE ENGINEER SHALL DECIDE WHICH GOVERNS. GENERALLY, THE MORE RESTRICTIVE, MORE SPECIFIC, OR STRICTER PROVISION SHALL GOVERN. IF ANY DISCREPANCIES ARE DISCOVERED ON THE PLANS OR BETWEEN THE PLANS AND THE SPECIFICATIONS, THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER AND OBTAIN CLARIFICATION OF THE INTENT FROM THE ENGINEER PRIOR TO CONSTRUCTION OR INSTALLATION OF PROPOSED IMPROVEMENTS.
 - REFER TO ARCHITECTURAL DRAWINGS FOR FIXTURE HEIGHTS AND ACCESSIBILITY REQUIREMENTS.
- PIPING NOTES**
- FIXTURES TO BE COMPLETE WITH SUPPLY PIPES WITH STOPS. SUPPLIES AND STOPS TO BE CHROME PLATE W/SET SCREW ESCUTCHEONS, WHERE EXPOSED TO VIEW.
 - ACCESSIBLE SHUTOFF VALVES SHALL BE PROVIDED FOR EACH TOILET ROOM AND EXTERIOR WALL HYDRANTS. PLUMBING CONTRACTOR TO PROVIDE 6" (MIN.) ACCESS PANELS FOR SHUTOFF VALVES WHERE REQUIRED. COORDINATE TYPE AND FINISH WITH DIV. 8 REQUIREMENTS.
 - PROVIDE SHOCK ARRESTORS AT COLD AND HOT WATER CONNECTIONS TO WASHING MACHINE AND REFRIGERATOR ICE MAKER. PROVIDE AIR CHAMBERS AT WATER SUPPLY CONNECTIONS TO ALL OTHER FIXTURE OR PROVIDE SHOCK ARRESTORS PER FIXTURE GROUP AS RECOMMENDED BY PDI INSTITUTE AND MANUFACTURER.
 - PLUMBING VENTS SHALL BE A MINIMUM OF 12'-0" FROM ANY HVAC OUTDOOR AIR OPENINGS.
 - PROVIDE CLEANOUTS AT BASE OF ALL DWV AND STORM RISERS AND WITHIN 5'-0" (EITHER SIDE) OF EXTERIOR WALL AS REQUIRED BY CODE, WHETHER OR NOT DIRECTLY INDICATED ON PLUMBING PLAN.
 - DRAINAGE (STORM OR SANITARY) PIPE SIZE BELOW FLOOR TO BE 2" MINIMUM. FOR SIZES REFER TO PLANS AND ISOMETRICS.
 - ROOF DRAIN PIPING TO BE ROUTED AT 1/8" PER FOOT PITCH UNLESS OTHERWISE NOTED ON DRAWINGS.
 - COORDINATE PLACEMENT OF ROOF DRAINS, ROOF DRAIN OVERFLOW UNITS AND INSTALLATION OF TAPERED ROOF INSULATION. INSULATE ROOF DRAIN ASSEMBLY AND STORM WATER PIPING THE ENTIRE LENGTH OF INITIAL HORIZONTAL RUN INCLUDING ELBOW DOWN TO VERTICAL. REFER TO SCHEDULE FOR ADDITIONAL INFORMATION.
 - ROUTE GAS AND WATER PIPING AS HIGH AS POSSIBLE, OFFSET WHERE IN CONFLICT WITH OTHER TRADES.
 - GAS MAIN ROUTED THROUGH CEILING SPACE SHALL BE INSTALLED IN SUCH A MANNER SO AS NOT TO SUBJECT PIPING TO POSSIBLE DAMAGE. VALVES SHALL NOT BE INSTALLED IN CEILING SPACE.
 - NATURAL GAS EQUIPMENT CONNECTIONS SHALL BE PROVIDED WITH VALVES, UNIONS, DIRT LEGS, ETC. AS NECESSARY FOR A COMPLETE INSTALLATION. INSTALL "AGA" APPROVED FLEXIBLE GAS SUPPLY CONNECTION WHERE SPECIFICALLY NOTED. REFER TO DETAILS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
 - BACKFILL AROUND UNDERGROUND PIPING WITH 3/8" CLEAN (CA-16) GRAVEL ALL AROUND. BACKFILL A MINIMUM OF TWO TIMES THE PIPE OUTSIDE DIAMETER PRIOR TO FINAL BACKFILL. PVC PIPING SHALL BE PROPERLY SUPPORTED EVERY 4'-0" ALONG ITS HORIZONTAL RUN PRIOR TO BACKFILLING.
 - DWV, SUPPLY, GAS AND STORM PIPING ROUTED THROUGH FINISHED AREAS SHALL BE CONCEALED ABOVE CEILING OR IN FURRED-OUT WALL. DWV, SUPPLY, GAS AND STORM PIPING PIPING SHALL NOT BE EXPOSED IN FINISHED AREAS, EXCEPT WHERE NOTED ON DRAWINGS.
- EQUIPMENT NOTES:**
- INSTALL ALL THERMOMETERS IN ACCESSIBLE AND READABLE POSITIONS.
- FINISH NOTES:**
- PAINT ALL PLUMBING PIPE SUPPORTS WITH A RUST INHIBITIVE PRIMER AND TWO COATS OF GLOSS GRAY OR BLACK ENAMEL OR ACRYLIC PAINT.
 - PAINT ALL UNINSULATED/UNJACKETED PLUMBING PIPING EXPOSED TO OUTDOORS, INCLUDING PIPING COMPONENTS, VALVES, UNIONS, & ETC., WITH ONE COAT OF RUST INHIBITIVE PRIMER AND TWO COATS OF GLOSS ENAMEL OR ACRYLIC PAINT.
 - THE PLUMBING CONTRACTOR SHALL PROVIDE ALL FIRESTOPPING FOR PLUMBING PIPE PENETRATIONS THROUGH SMOKE AND FIRE RATED ASSEMBLIES. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS OF ALL RATED ASSEMBLIES. ALL PENETRATIONS SHALL BE FIRESTOPPED TO ORIGINAL ASSEMBLY RATING AND FLOOR PENETRATIONS SEALED WATER TIGHT WITH A FLEXIBLE SEALANT.
- LOW VOLTAGE WIRING NOTES:**
- THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL LOW VOLTAGE CONTROL WIRING, BOXES, CONDUIT, CIRCUIT BREAKERS & ETC. AS REQUIRED TO PROVIDE POWER TO PLUMBING FLUSH VALVES, FAUCETS AND SHOWER ASSEMBLIES, AND AS REQUIRED TO SATISFY MANUFACTURER'S INSTALLATION REQUIREMENTS. ALL TRANSFORMERS, SPECIALTY CONNECTIONS AND SIMILAR DEVICES THAT ARE PART OF THE PLUMBING SYSTEM SHALL BE FURNISHED BY THE PLUMBING CONTRACTOR AND TURNED OVER TO THE ELECTRICAL CONTRACTOR FOR INSTALLATION. PLUMBING CONTRACTOR SHALL COORDINATE WITH THE ELECTRICAL CONTRACTOR ON THE LOCATION OF ALL DEVICES REQUIRING CONNECTION.

PLUMBING LEGEND

SYMBOL	DESCRIPTION	ABBREVIATIONS	ABBREVIATIONS
---V---	VENT PIPING	ADA	AMERICAN WITH DISABILITIES ACT
---SAN---	SANITARY PIPING	AFF	ABOVE FINISHED FLOOR
---GW---	GREASE WASTE PIPING	BFP	BACKFLOW PREVENTER
---NG---	NATURAL GAS PIPING	CO	CLEANOUT
---CW---	DOMESTIC COLD WATER PIPING	CW	DOMESTIC COLD WATER
---HW---	DOMESTIC HOT WATER PIPING	DS	DOWNSPOUT
---HWR---	DOMESTIC HOT WATER RETURN PIPING	ET	EXPANSION TANK
	BALL VALVE	EX	EXISTING
	CHECK VALVE	FCO	FLOOR CLEANOUT
	BALANCING VALVE	FD	FLOOR DRAIN
	BACKFLOW PREVENTER	FSEC	FOOD SERVICE EQUIPMENT CONTRACTOR
	HOT WATER RETURN RECIRCULATION PUMP	GMR	GAS METER/REGULATOR
	PIPE CAP	GS	GAS SERVICE
	PIPE UP	GT	GREASE TRAP OR KITCHEN WASTE
	PIPE DOWN	HB	HOSE BIBB
	EXISTING PIPING TO REMAIN	HW	DOMESTIC HOT WATER
	EXISTING PIPING TO BE DEMOLISHED	HWR	DOMESTIC HOT WATER RETURN
	NEW PIPING	IND	INDIRECT WASTE
	FLOW ARROW	LV	LAVATORY
	KEYNOTE DESIGNATION	MB	MOP BASIN
	KITCHEN EQUIPMENT DESIGNATION	NG	NATURAL GAS
	DETAIL DESIGNATION	NP	NON POTABLE WATER
		NTS	NOT TO SCALE
		OD	OVERFLOW STORM DRAIN
		ODS	OVERFLOW DOWNSPOUT
		SAN	SANITARY
		SD	STORM DRAIN
		SK	SINK
		TP	TRAP PRIMER
		TYP.	TYPICAL
		UR	URINAL
		VR	VENT RISER
		VS	VENT STACK
		VTR	VENT THRU ROOF
		WC	WATER CLOSET
		WCO	WALL CLEANOUT
		WH	WATER HEATER
		WS	WATER SERVICE
		WTC	WATER COOLER
		YCO	YARD CLEANOUT

PLUMBING INDEX OF DRAWINGS	
SHEET NUMBER	SHEET NAME
E.P001	PLUMBING LEGEND AND GENERAL NOTES
E.P002	PLUMBING SCHEDULES & DETAILS
E.P101	PLUMBING FLOOR PLANS - FIRST FLOOR
E.P102	PLUMBING FLOOR PLANS - SECOND FLOOR
E.P201	PLUMBING ISOMETRICS

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PLUMBING LEGEND AND GENERAL NOTES

Comm. No.	22627.00	Date	2023-09-20
Drawn	JDO	Drawing No.	E.P001
Checked	JLW		

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GAS PIPE SIZING	
PIPE SIZE (BLACK STEEL)	MAX MBH
0.5"	44
0.75"	92
1"	173
1.25"	355
1.5"	532
2"	1,020
2.5"	1,630

GENERAL NOTES:
 1. SIZING BASED ON LESS THAN 2 PSIG PRESSURE, 0.5 PSIG DROP PER TABLE 402.4(2) OF IFGC.
 2. TOTAL DEVELOPED LENGTH = 125 FT.

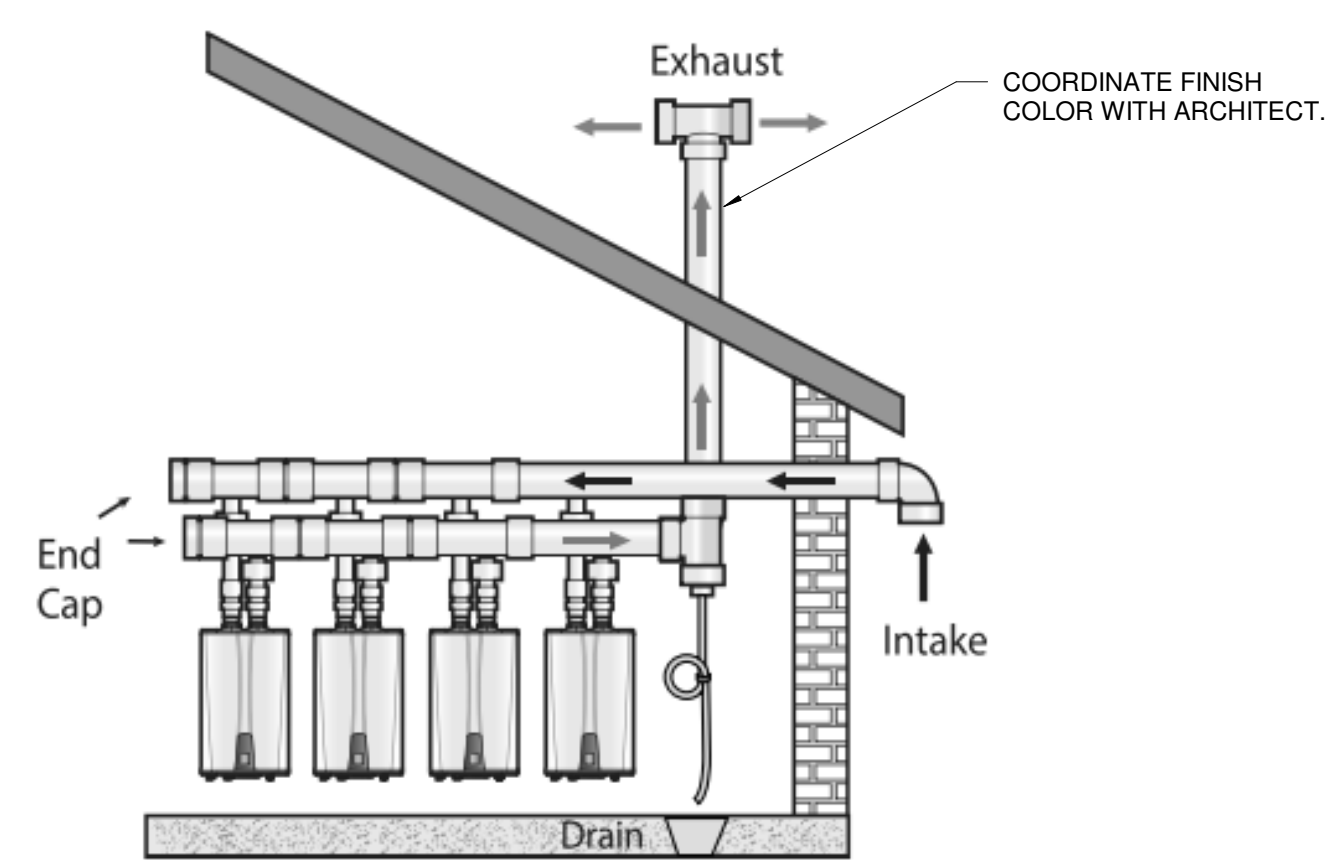
PLUMBING FIXTURE SCHEDULE									
PLAN MARK	FIXTURE TYPE	DESCRIPTION	SAN	VENT	CW	HW	ACCESSORIES		
A1	WATER CLOSET ADA	KOHLER MODEL #K-5172 "SAN SOUJI" ONE PIECE, ELONGATED, 1.6 GPF, WHITE, VITREOUS CHINA, WITH OLSONITE #95 ELONGATED, WHITE, OPEN FRONT, NO COVER SEAT, WITH SELF SUSTAINING HINGE, 481310-100 BOLT CAPS.	3.0"	1.5"	0.50"	0.50"	PROVIDE BRUSHED GOLD TRIP LEVER KOHLER #9171-L-2MB AND BRUSHED GOLD SUPPLY STOP.		
B1	LAVATORY	KOHLER MODEL #K-2330-G "KATHRYN", UNDERMOUNT, RECTANGULAR, WHITE VITREOUS CHINA; FONTANA SHOWERS MODEL #FS-509-SO AUTOMATIC SENSOR OPERATED FAUCET AND SOAP DISPENSER; 1/2" SUPPLY AND STOP (TWO REQUIRED); 1-1/2" CAST BRASS P-TRAP. PROVIDE "TRUEBRO" HANDI-LAV GUARD INSTALLATION KIT MODEL #102 (WHITE) OR APPROVED EQUAL.	1.5"	1.5"	0.50"	0.5"	FINISH MATERIAL OF ALL EXPOSED PLUMBING HARDWARE INCLUDING FAUCETS, DRAINS, TRAPS, SUPPLY STOPS, ETC. TO BE BRUSHED GOLD. PROVIDE ASSE 1070 MIXING VALVE. SET DISCHARGE TEMPERATURE TO 110°F. COORDINATE ELECTRICAL REQUIREMENTS WITH EC.		
B2	LAVATORY	KOHLER MODEL #K-2330-G "KATHRYN", UNDERMOUNT, RECTANGULAR, WHITE VITREOUS CHINA; KOHLER #K-27378-4K, 4" CENTERS, LESS DRAIN; 1/2" SUPPLY AND STOP (TWO REQUIRED); 1-1/2" CAST BRASS P-TRAP. PROVIDE "TRUEBRO" HANDI-LAV GUARD INSTALLATION KIT MODEL #102 (WHITE) OR APPROVED EQUAL.	1.5"	1.5"	0.50"	0.5"	FINISH MATERIAL OF ALL EXPOSED PLUMBING HARDWARE INCLUDING FAUCETS, DRAINS, TRAPS, SUPPLY STOPS, ETC. TO BE BRUSHED GOLD. PROVIDE ASSE 1070 MIXING VALVE. SET DISCHARGE TEMPERATURE TO 110°F. COORDINATE ELECTRICAL REQUIREMENTS WITH EC.		
B3	3 COMP SINK	KROWNE #CS-1860, 3 COMPARTMENT SINK W/ 10" W x 14" L x 10" D, 20 GA STAINLESS STEEL, 3.5" BASKET DRAIN, FAUCET INCLUDED.	1.5"	1.5"	0.50"	0.5"			
B4	SINK	KROWNE #HS-2017, ONE COMPARTMENT DROP-IN SINK W/ 20.25" x 17" STAINLESS STEEL BOWL; 1.8 GPM, 4" CENTER, DECK MOUNTED, GOOSENECK FAUCET INCLUDED.	1.5"	1.5"	0.50"	0.5"			
D1	MOP/UTILITY SINK	MUSTEE PRECAST MODEL #63M (24"x24"x10") T&S BRASS FAUCET MODEL #B-0655-BSTR CHROME PLATED WITH VACUUM BREAKER, INTEGRAL STOPS, ADJUSTABLE WALL BRACE, PAIL HOOK AND 3/4" HOSE THREAD ON SPOUT; MUSTEE #65.600 HOSE BRACKET, 30" LONG FLEXIBLE, HEAVY DUTY 5/8" RUBBER HOSE, CLOTH REINFORCED WITH 3/4" BRASS COUPLING AT ONE END.	3.0"	1.5"	0.50"	0.5"			

PLUMBING EQUIPMENT SCHEDULE										
PLAN MARK	DESCRIPTION	COLD WATER	HOT WATER (120°F)	HOT WATER (140°F)	NATURAL GAS	NON POTABLE	WASTE	INDIRECT	FLOOR DRAIN	NOTES
ET-1	EXPANSION TANK: DOMESTIC WATER SYSTEM - WATTS #PLT-12 - 150 PSI RATING	0.75"								
HB-1	EXTERIOR WALL HYDRANT: WOODFORD MODEL #65 SERIES, FREEZELESS, AUTOMATIC DRAIN, VACUUM BREAKER, BRASS FINISH, AND STAINLESS STEEL TRIM.	0.75"								1
ICE-1	ICE MACHINE AND STORAGE BIN: MANITOWOC #IDT0300A - AIR COOLED, FULL DICE, 305 LBS OF ICE PER 24 HRS, 120V/1PH, 8.8 AMPS, 15 MOCP	0.5"								4
RCP-1	HOT WATER RECIRCULATION PUMP - EQUAL TO BELL & GOSSETT #34V/BTPRC			0.5"						
RPZ-1	REDUCED PRESSURE BACKFLOW ASSEMBLY - EQUAL TO WATTS SERIES 009	2"								
SP-1	ELEVATOR SUMP PUMP - ELEVATOR SUMP PUMP - LIBERTY ELV SERIES #ELV280-VS, 1/2 HP, 115V CORD & PLUG; 18" DIAMETER BASIN							2"		3
WH-1	TANKLESS GAS WATER HEATER: NAVIEN NPE-240A2 - 199 MBH, 120V/1PH, 2 AMP	0.75"	0.75"	0.75"						2
WH-1	TANKLESS GAS WATER HEATER: NAVIEN NPE-240A2 - 199 MBH, 120V/1PH, 2 AMP	0.75"	0.75"	0.75"						2

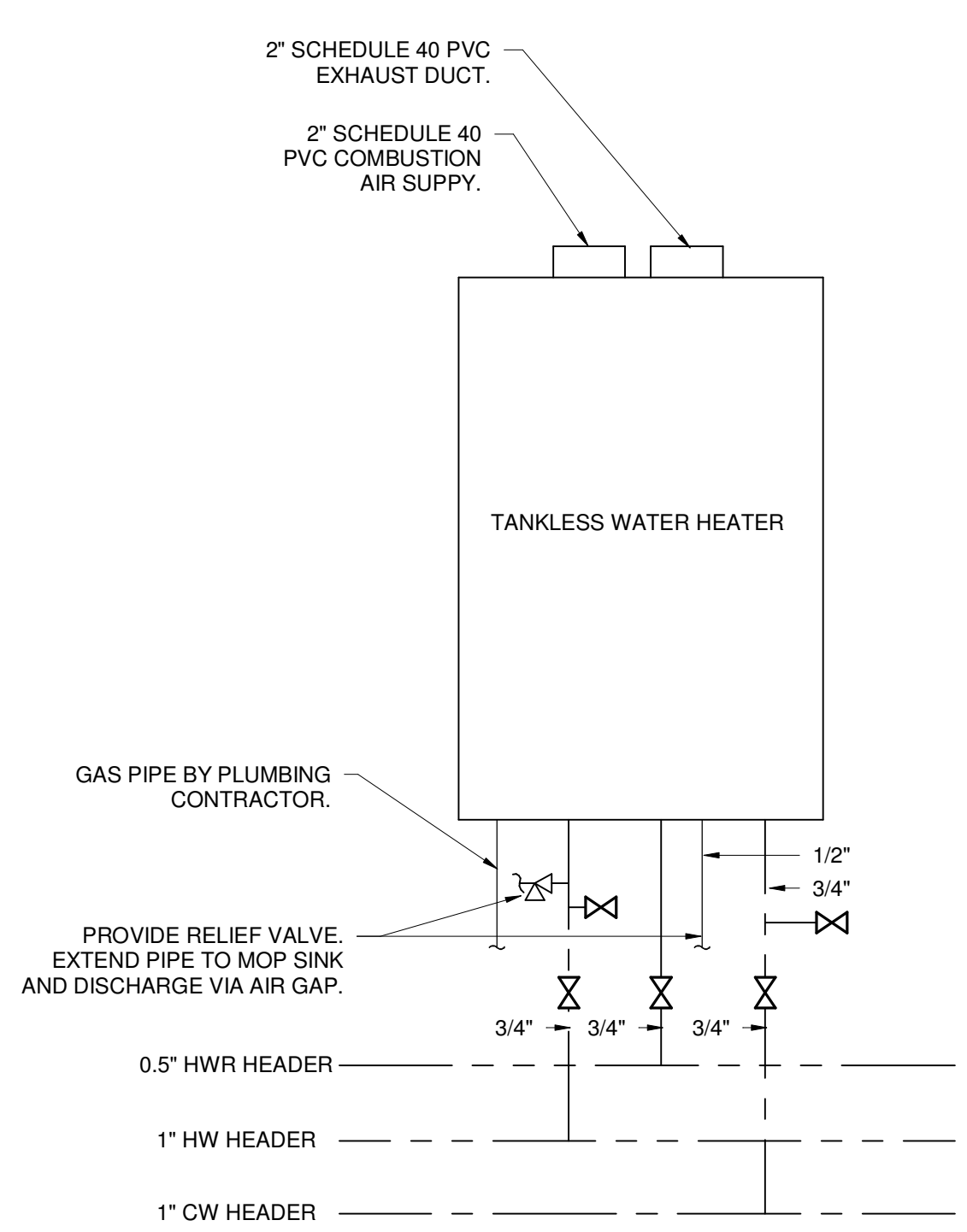
NOTES:
 1. MOUNT AT 18" A.F.G.
 2. PROVIDE FLUE AND INTAKE PIPING PER MANUFACTURER GUIDELINES. PAINT EXPOSED PIPING TO MATCH ROOF COLOR.
 3. PROVIDE WITH OIL DETECTION CONTROL PANEL AND VISUAL ALARM INDICATOR. PUMP SHALL BE DISABLED UPON DETECTION OF OIL AND SIGNAL ALARM LIGHT.
 4. PROVIDE ARCTIC PURE PLUS WATER FILTER AND EXTERNAL SCOOP HOLDER.

DRAIN AND CLEANOUT SCHEDULE																																						
PLAN MARK	APPROVED SUPPLIERS - J.R. SMITH, JOSAM, WATTS, ZURN	ZURN CATALOG NO.	TYPE						OUTLET				STRAINER/GRATE				TOP FINISH			ADDITIONAL FEATURES				SEE NOTE														
			FLOOR	ROOF	WALL	DECK	CAST IRON	BRASS	ACID RESIST.	STAINLESS STEEL	SIZE	BOTTOM	SIZE	ADJUSTABLE	FLAT	DOME	RECESSED	FUNNEL	HINGED	1/2 GRATE	NICKEL-BRONZE	CAST IRON	POLYETHYLENE		STAINLESS STEEL	ANCHOR FLANGE	FLASHING CLAMP	DBL DRAINAGE	SEED BUCKET	AUX. STRAINER	GRAVELSTOP	UDECK CLAMP	TRAP PRIMER					
FS-1		Z1751-2	X					X	3"	X	12"x12"x8"							X				X																
FD-1		ZN415-BZ1	X					X	3"	X	6"	X							X						X	X	X										1	
FCO		ZN1400-BZ1	X					X	4"	X	7-7/8"	X							X																			
GCO		Z1474-VP	X					X	4"	X		X							X																			
WCO		Z1441			X				2"	X		X							X																			
RD-1		Z100F-DP		X				X	3"		12-5/6"		X							X		X	X	X														
RD-2		Z100F-DP		X				X	2"		12-5/6"		X							X		X	X	X														
OD-1		Z100F-DP-89-3		X				X	3"		12-5/6"		X							X		X	X	X														
OD-2		Z100F-DP-89-3		X				X	2"		12-5/6"		X							X		X	X	X														
DSN-1		Z199-DC			X			X	3"		3-1/2"	X								X																		

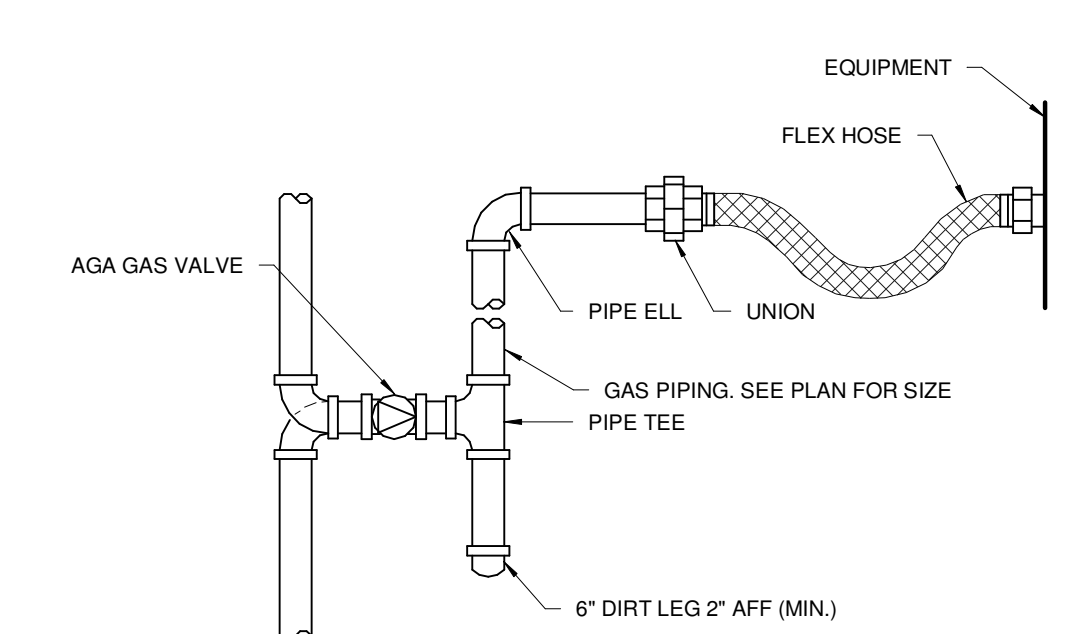
NOTES:
 1. PROVIDE TRAP SEAL PROTECTION DEVICE EQUAL TO Z1072.



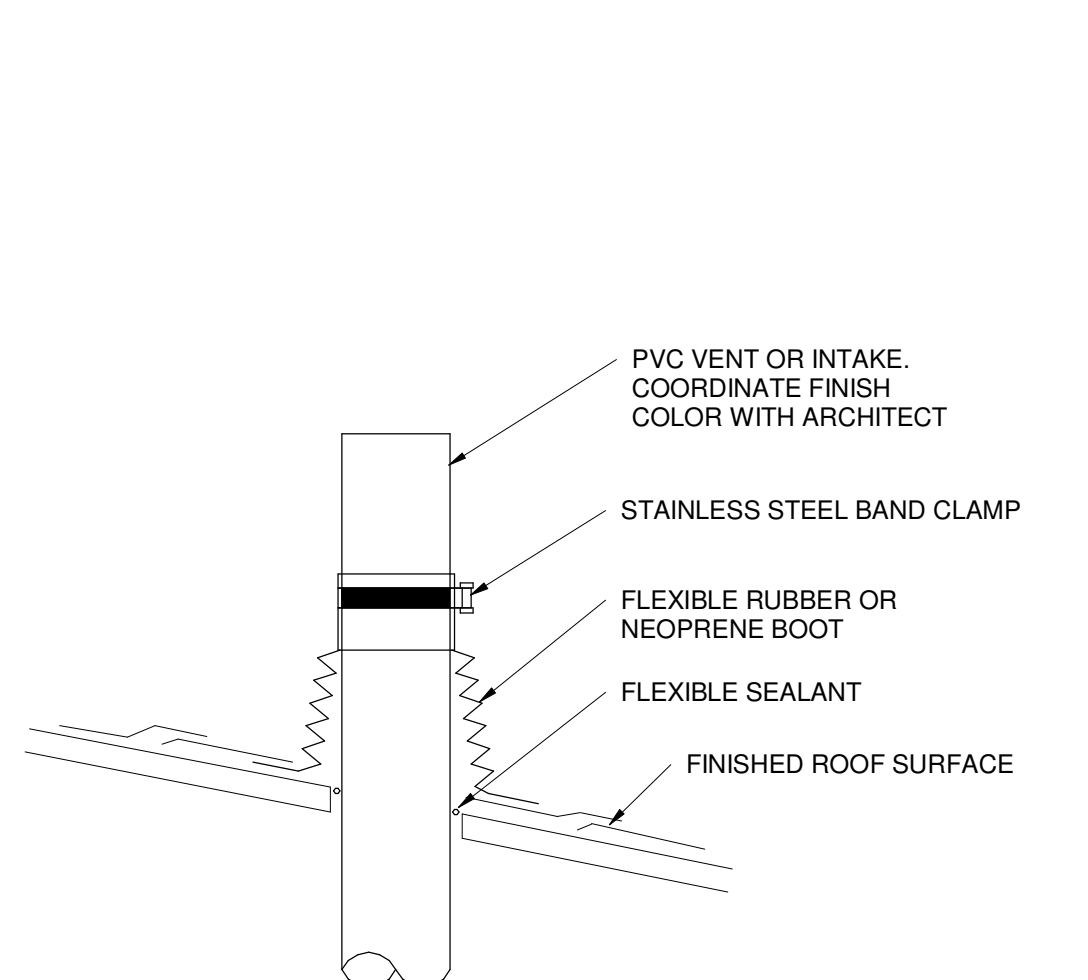
5 WATER HEATER VENTING DIAGRAM NTS



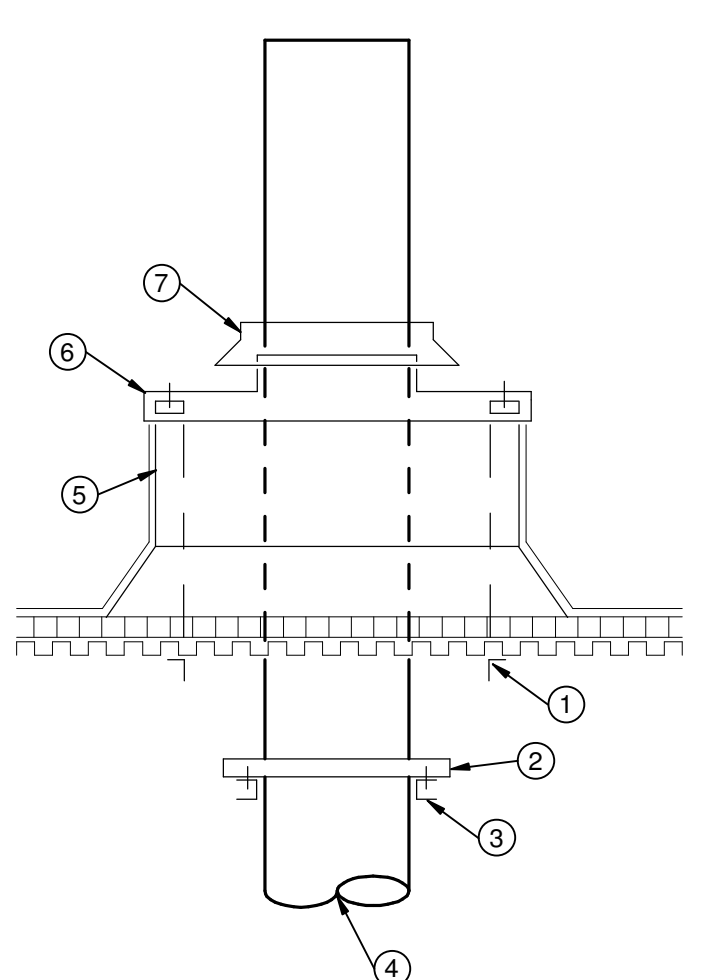
1 GAS TANKLESS WATER HEATER NTS



2 GAS EQUIPMENT CONNECTION NTS



3 PLUMBING VENT THROUGH SLOPED ROOF NTS



4 VENT DUCTS THRU ROOF NTS

- NOTES
- STRUCTURAL FRAMING FOR OPENING. COORDINATE REQUIRED OPENING DIMENSIONS.
 - SUPPORT RING. FASTEN TO DUCTWORK AND CHANNEL.
 - CHANNEL SUPPORT FROM ADJACENT JOISTS.
 - FROM EQUIPMENT.
 - 1 1/4" HIGH CURB. EQUAL TO PATE PCA-5.
 - CURB CAP EQUAL TO PATE PCC.
 - STORM COLLAR FASTEN TO PIPE.

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PLUMBING SCHEDULES & DETAILS

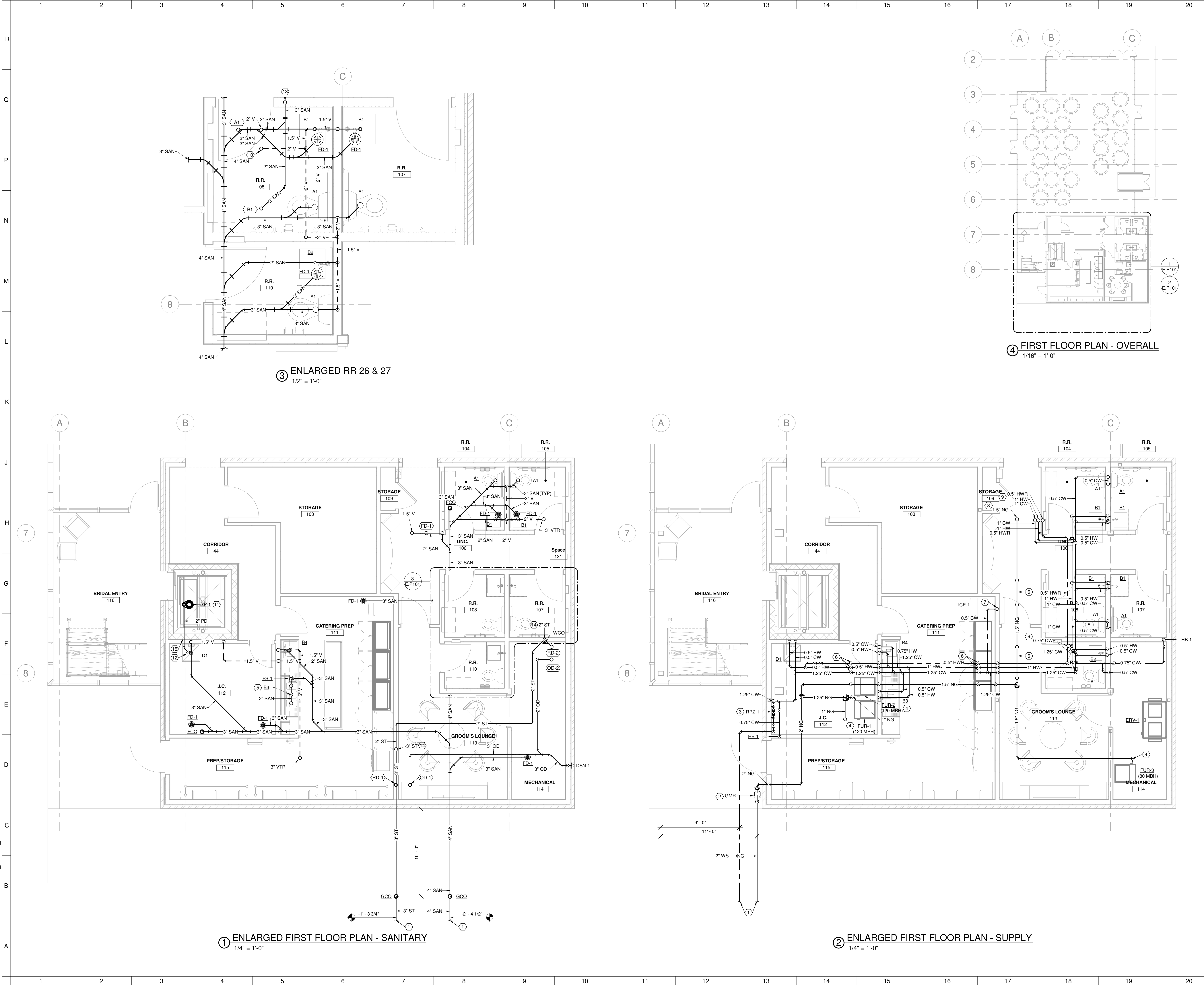
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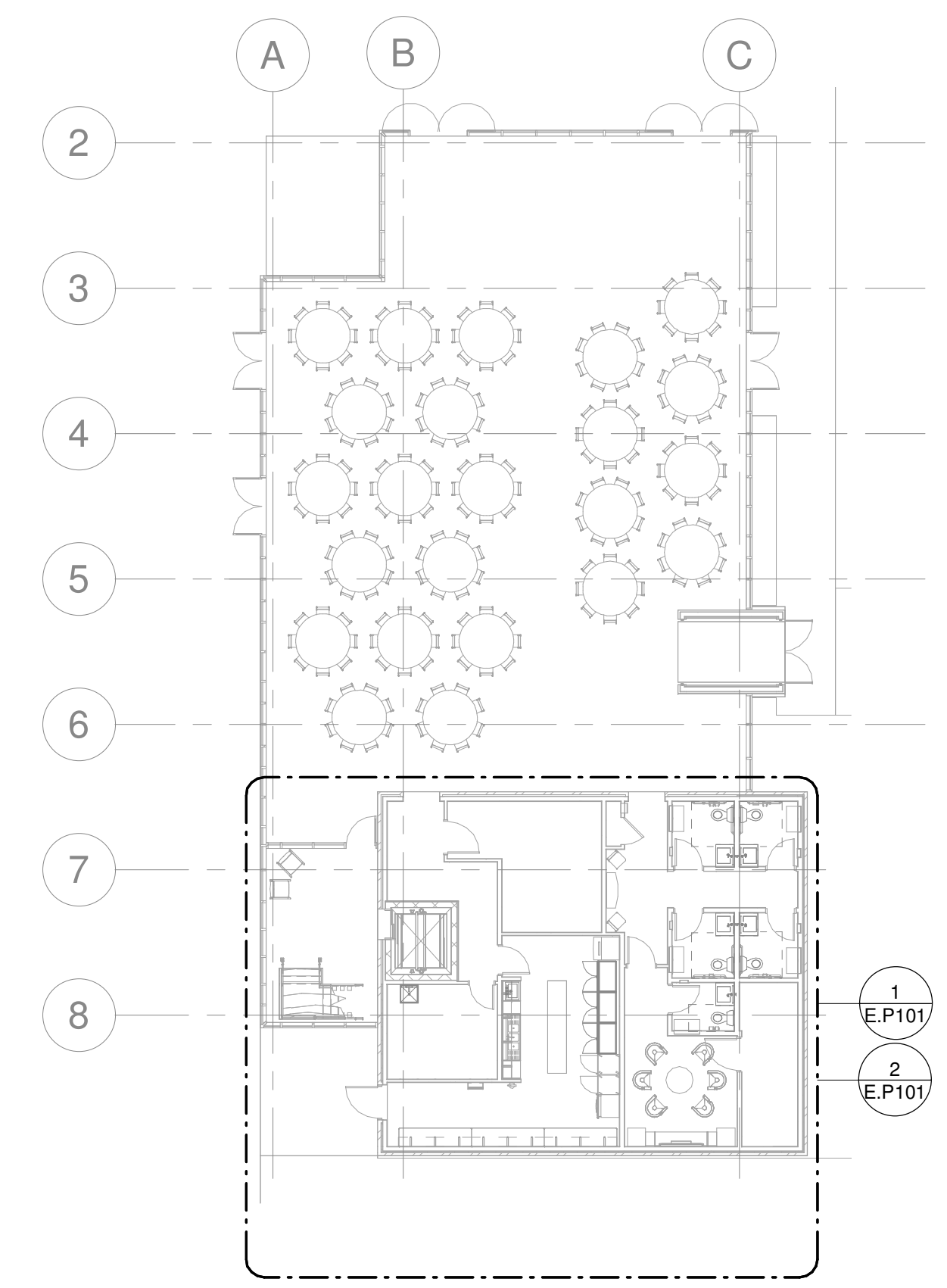
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SHEET NOTES:

- REFER TO CIVIL DRAWINGS FOR CONTINUATION.
- NEW GAS METER BY UTILITY COMPANY.
- PROVIDE REDUCED PRESSURE BACKFLOW ASSEMBLY PER AHJ.
- PROVIDE DIRT LEG, GAS ISOLATION VALVE, UNION, AND FLEXIBLE HOSE CONNECTION TO MECHANICAL EQUIPMENT. REFER TO DETAIL 2/P002 FOR ADDITIONAL INFORMATION.
- 3 COMPARTMENT SINK SHALL INDIRECTLY DISCHARGE INTO FLOOR SINK VIA 4" AIR GAP.
- COORDINATE PIPING WITH DUCTWORK. ROUTE PIPING UP IN FLOOR STRUCTURE ABOVE WHERE NECESSARY.
- PROVIDE 0.5" COLD WATER SUPPLY PIPING WITH SHUT-OFF VALVE FOR CONNECTION TO ICE MACHINE.
- NATURAL GAS PIPING UP TO FLOOR ABOVE.
- HOT AND COLD WATER PIPING UP TO FLOOR ABOVE.
- VENT PIPING UP TO FLOOR ABOVE.
- ELEVATOR SUMP PUMP. FIELD COORDINATE EXACT LOCATION PRIOR TO ROUGH-IN. REFER TO PLUMBING EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.
- PUMPED DISCHARGE TO INDIRECTLY DISCHARGE INTO MOP SINK VIA 4" AIR GAP.
- SANITARY PIPING FROM ABOVE CEILING DOWN TO BELOW SLAB.
- STORM PIPING DOWN TO BELOW SLAB.
- PROVIDE FIRE STOPPING AT WALL PENETRATION.



FIRST FLOOR PLAN - OVERALL
1/16" = 1'-0"

ENLARGED RR 26 & 27
1/2" = 1'-0"

ENLARGED FIRST FLOOR PLAN - SANITARY
1/4" = 1'-0"

ENLARGED FIRST FLOOR PLAN - SUPPLY
1/4" = 1'-0"

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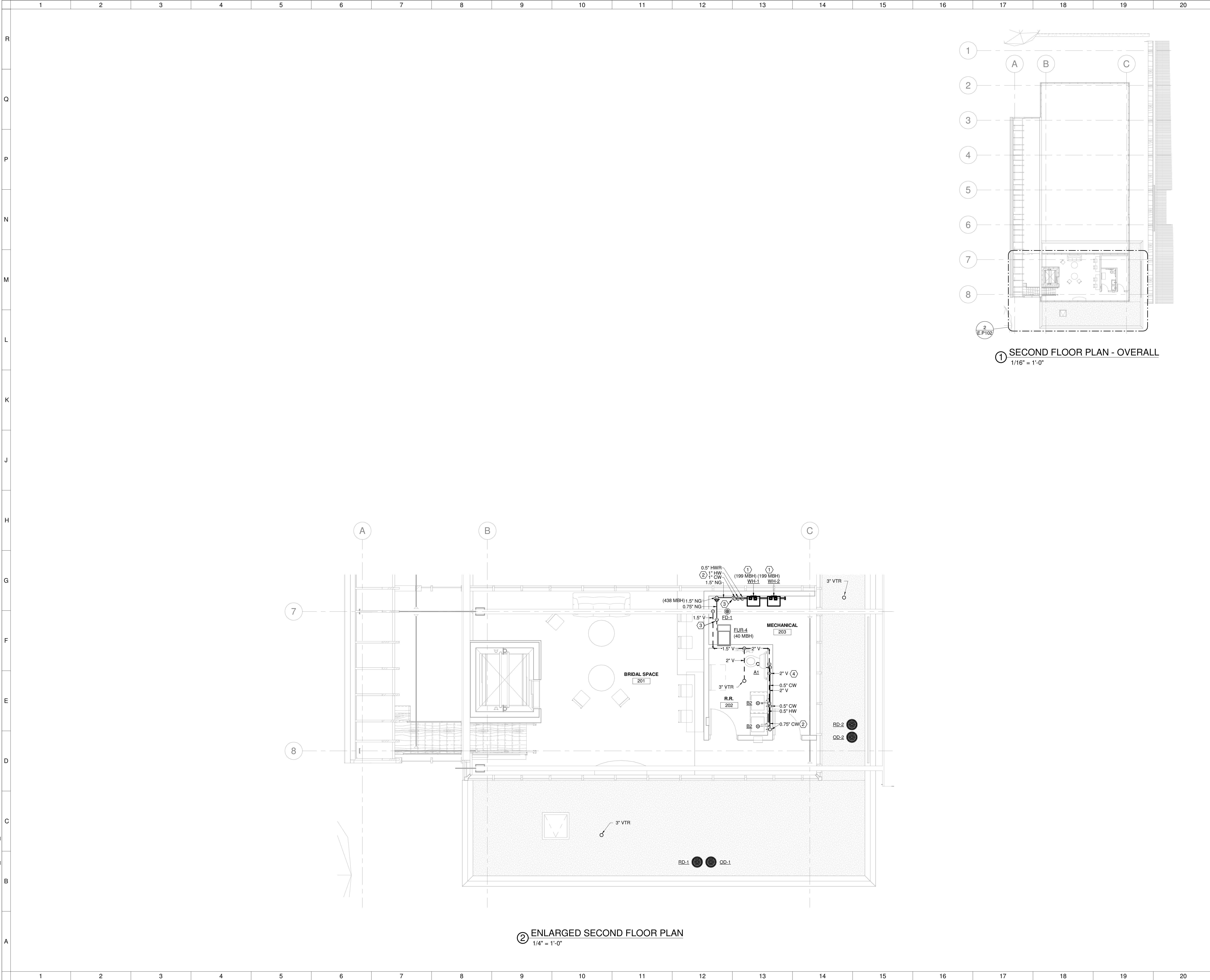
Benham's Grove Event Center
166 N MAIN ST, CENTERVILLE, OH 45459

PLUMBING FLOOR PLANS - FIRST FLOOR

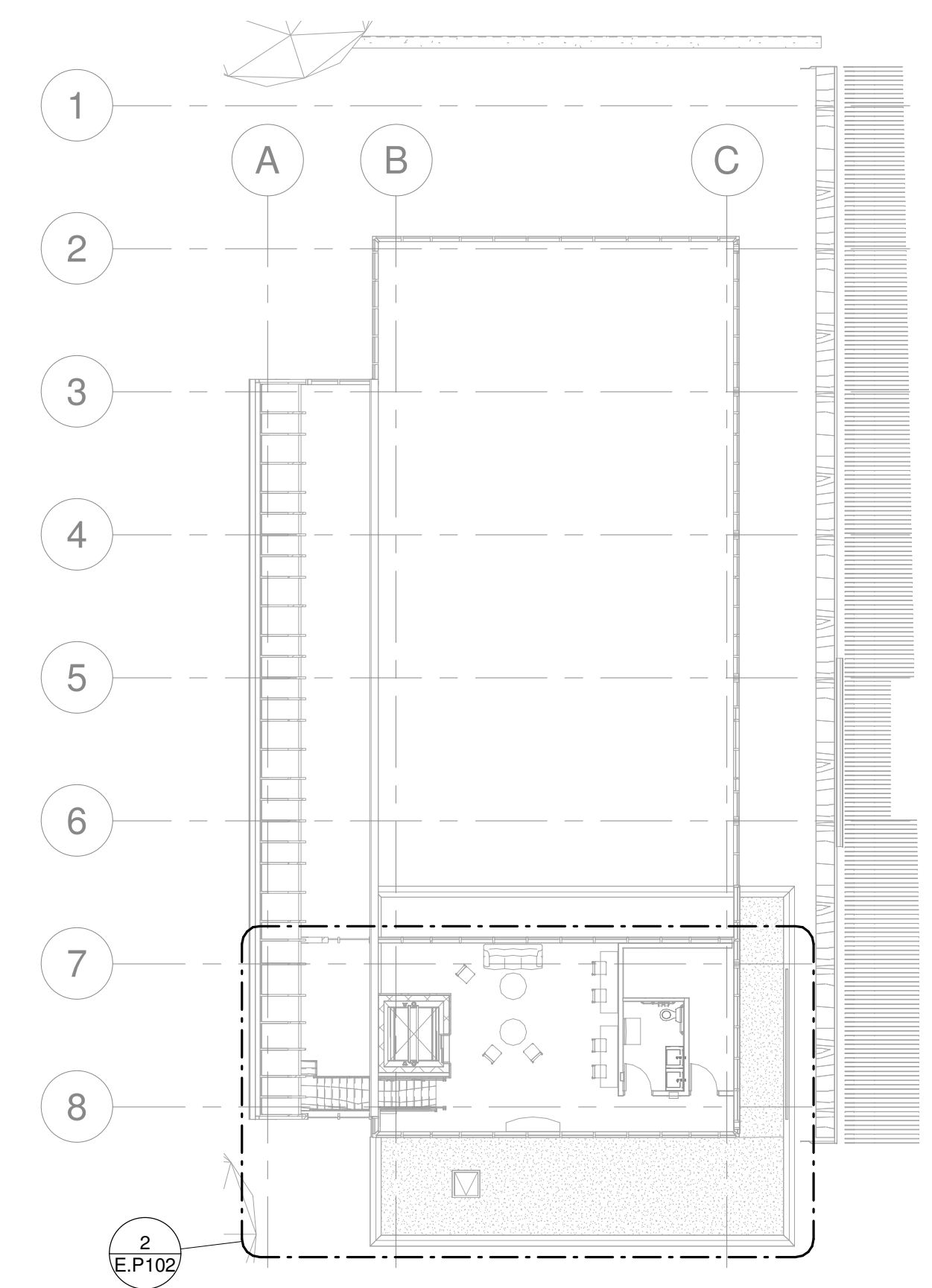
	Comm. No.	Date
	22627.00	2023-09-20
	Drawn JDO	Drawing No. E.P101
Checked JLW		

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② ENLARGED SECOND FLOOR PLAN
1/4" = 1'-0"



① SECOND FLOOR PLAN - OVERALL
1/16" = 1'-0"

○ SHEET NOTES:

1. PROVIDE TANKLESS WATER HEATER. REFER TO WATER HEATER DETAIL AND PLUMBING EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.
2. HOT AND COLD WATER SUPPLY PIPING UP FROM FLOOR BELOW.
3. PROVIDE DIRT LEG, GAS ISOLATION VALVE, UNION, AND FLEXIBLE HOSE CONNECTION TO MECHANICAL EQUIPMENT. REFER TO DETAIL 2/P002 FOR ADDITIONAL INFORMATION.
4. VENT PIPING UP FROM FLOOR BELOW.

No.	Revisions / Submissions	Date
1	Event Center & Site Rebid	2023-11-21

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434 East First Street Dayton, OH 45402 937.223.6500
712 East Main Street Richmond, IN 47374 765.966.3546

Benham's Grove City of Centerville
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Benham's Grove Event Center

166 N MAIN ST, CENTERVILLE, OH 45459

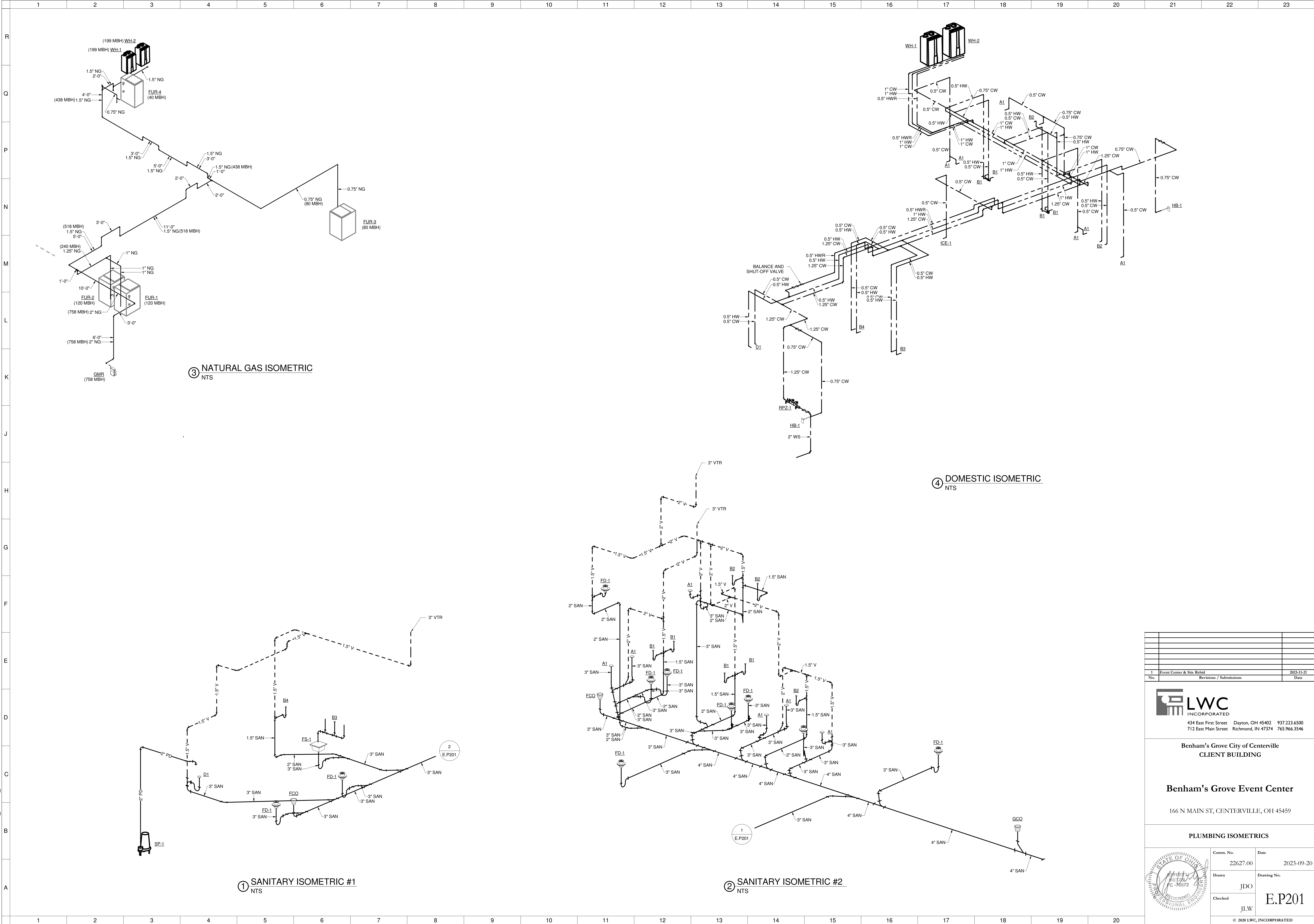
PLUMBING FLOOR PLANS - SECOND FLOOR

Comm. No.	22627.00	Date	2023-09-20
Drawn	JDO	Drawing No.	E.P102
Checked	JLW		



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No.	Revisions / Submissions	Date
<p>434 East First Street Dayton, OH 45402 937.223.6500 712 East Main Street Richmond, IN 47374 765.966.3546</p>		
<p align="center">Benham's Grove City of Centerville CLIENT BUILDING</p> <p align="center">Benham's Grove Event Center</p> <p align="center">166 N MAIN ST, CENTERVILLE, OH 45459</p>		
<p align="center">PLUMBING ISOMETRICS</p>		
Comm. No.	Date	
22627.00	2023-09-20	
Drawn	Drawing No.	
JDO	E.P201	
Checked	JLW	
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GENERAL NOTES

- A. DO NOT SCALE DRAWINGS. IF DIMENSIONS CANNOT BE DETERMINED OR DOCUMENTS ARE IN CONFLICT WITH THEMSELVES OR FIELD CONDITIONS...
B. CONTRACTOR(S) SHALL VISIT THE SITE TO ACQUAINT THEMSELVES WITH THE EXISTING OR NEWLY INSTALLED CONDITIONS...
C. THE CONSTRUCTION DOCUMENTS AND DRAWING NOTES / SPECIFICATIONS ARE INTENDED TO DESCRIBE AND PROVIDE FOR A FINISHED PIECE OF WORK...
D. ALL DIMENSIONS ARE TO FACE OF STUD, CONCRETE, MASONRY, OR CENTERLINE OF COLUMN, UNLESS NOTED OTHERWISE...
E. FINISH FLOOR ELEVATIONS ARE FOR GENERAL REFERENCE. REFER TO CIVIL SHEETS FOR ACTUAL FINISH FLOOR ELEVATIONS...
F. EQUIPMENT AND FURNITURE SHOWN IS FOR REFERENCE ONLY...
G. DEFINITIONS: NECESSARY WORK NEEDED TO COMPLETE THE WORK TO MAKE IT OPERATIONAL...
REQUIRED: WORK NEEDED TO BE IN COMPLIANCE WITH BUILDING CODE...
PROVIDE: RESPONSIBLE FOR PURCHASE, DELIVERY, RECEIVING, INSPECTION, STORAGE, PREPARATION, AND INSTALLATION OF ITEM(S)...
FURNISH: RESPONSIBLE FOR PURCHASE AND DELIVERY OF ITEM(S)...
INSTALL: RESPONSIBLE FOR RECEIVING, INSPECTION, STORAGE, PREPARATION, AND INSTALLATION OF ITEM(S)...
BASIS OF DESIGN: AN ACCEPTABLE MANUFACTURER OR PRODUCT, DESIGNATED BY THE DESIGN PROFESSIONAL...
OR EQUAL: MAY FOLLOW A BASIS OF DESIGN OR OTHER SPECIFIED MANUFACTURER OR PRODUCT AND INDICATES THAT AN ITEM OF EQUIVALENT APPEARANCE, AESTHETIC, QUALITY, MATERIAL, CONSTRUCTION, AND PERFORMANCE MAY BE SUBSTITUTED SUBJECT TO THE ARCHITECT'S OR DESIGN PROFESSIONAL'S APPROVAL...

HVAC GENERAL SPECIFICATIONS

- A. UPON COMPLETION OF ALL HVAC WORK, THE CONTRACTOR SHALL SUBMIT (2) COPIES OF THE MANUFACTURER'S OPERATION AND MAINTENANCE MANUALS FOR ALL EQUIPMENT TO THE OWNER...
B. HVAC EQUIPMENT: ALL EQUIPMENT SHALL BE COMPLETE IN EVERY RESPECT WITH ALL DEVICES, APPURTENANCES, AND ACCESSORIES PROVIDED TO MEET THE DESIGN INTENT AND OPERATION OF THE SYSTEMS SHOWN ON THE DRAWINGS AND SPECIFIED HEREIN...
C. GAS PIPING (IF INCLUDED IN THE PROJECT): CONTRACTOR TO COORDINATE (INCLUDING VERIFICATION OF EXISTING SYSTEM EQUIPMENT, MAINS, LINE SIZES, AND REQUIREMENTS) AND SIZE GAS PIPING PER MANUFACTURER'S RECOMMENDATIONS...
D. REFRIGERANT LINE SET: HVAC CONTRACTOR TO SIZE REFRIGERANT LINE SET SIZES PER MANUFACTURER'S RECOMMENDATIONS AND FIELD CONDITIONS...
E. NOISE AND VIBRATION: MECHANICAL AND ELECTRICAL EQUIPMENT IS TO OPERATE WITHOUT UNDESIRABLE NOISE OR VIBRATION...
F. CURBS AND STEEL FRAMING FOR SUPPORT: PROVIDE ALL NECESSARY CURBS AND STEEL FRAMING REQUIRED TO INSTALL ALL HVAC EQUIPMENT AS DESCRIBED OR IMPLIED ON THE DRAWINGS...
G. DUCTWORK: DUCTWORK IS TO BE FABRICATED WITH GALVANIZED SHEET STEEL (NO FIBERGLASS ALLOWED) IN ACCORDANCE WITH SMACNA 'HVAC DUCT' CONSTRUCTION STANDARDS...
H. BRANCH DUCTWORK: ALL DUCT BRANCHES TO DIFFUSERS ARE TO BE RECTANGULAR OR ROUND RIGID DUCT...
I. FLEXIBLE DUCTWORK: FLEX DUCTWORK IS TO BE NFPA 90 AND 90A APPROVED INDICATING NO VINYL, TESTED IN ACCORDANCE WITH UL 181, AND LISTED AND LABELED AS CLASS 0 OR CLASS 1 DUCT...
J. DUCTWORK INSULATION: INSTALL INSULATION PRODUCTS IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS...
K. WHERE ROUND DUCTWORK IS INDICATED ON PLANS, PROVIDE RECTANGULAR DUCTWORK IF ROUND DUCTWORK CANNOT BE INSTALLED...
L. PROVIDE A FLEXIBLE CONNECTION BETWEEN BONNET AND RIGID DUCT ON ALL SUPPLY AND RETURN DUCTWORK...
M. DIFFUSERS, GRILLES, REGISTERS, AND DAMPERS: PROVIDE DIFFUSERS, GRILLES, AND REGISTERS AS SCHEDULED...
N. SUPPORT AND BRACING: INSTALL RIGID ROUND AND RECTANGULAR METAL DUCTWORK WITH APPROVED SUPPORT SYSTEMS INDICATED IN SMACNA STANDARDS AND STATE BUILDING CODE...

HVAC GENERAL SPECIFICATIONS CONT'D

- O. CONTROLS: EACH UNIT TO BE CONTROLLED BY THERMOSTAT WITH PROPER STAGES OF HEATING AND COOLING...
P. POWER AND CONTROL WIRING: ELECTRICAL CONTRACTOR TO PROVIDE ALL NECESSARY POWER WIRING FOR HVAC EQUIPMENT...
Q. STARTUP: HVAC CONTRACTOR TO PROVIDE STARTUP PER MANUFACTURER'S WRITTEN RECOMMENDATIONS...
R. AIRFLOW AND TESTING: ALL DUCT AS PER SMACNA GUIDELINES...
S. PROCEDURES: THE HVAC CONTRACTOR SHALL INCLUDE THE COST OF THE BALANCING AND TESTING IN HIS BID...
T. VENTILATION AND COMBUSTION AIR INTAKE: PROVIDE OUTSIDE VENTILATION AIR BY NATURAL VENTILATION OR MECHANICAL EQUIPMENT...
U. PROVIDE A SMOKE DETECTOR IN RETURN AIR SYSTEMS WITH A DESIGN CAPACITY GREATER THAN 2,000 CFM...
V. PROVIDE ACCESS TO ALL DAMPERS, CONTROLS, AND OTHER ITEMS IN DUCTWORK THAT REQUIRE SERVICE OR INSPECTION...
W. ALL HVAC EVAPORATORS AND COOLING COILS REQUIRE A CONDENSATE DRAIN, WHICH IS CONVEYED TO AN APPROPRIATE PLACE OF DISPOSAL...
X. ALL ROOF AND/OR EXTERIOR WALL PENETRATIONS ARE TO BE SEALED AIR AND WATER TIGHT...
Y. VERIFY ALL SUSPENDED MECHANICAL LOADS WITH ARCHITECT PRIOR TO ORDERING NEW MECHANICAL EQUIPMENT...
Z. HVAC CONTRACTOR TO COORDINATE ROUTING AND LOCATION OF ALL DEVICES WITH BUILDING STRUCTURE AND OTHER CEILING MOUNTED DEVICES...
AA. HVAC CONTRACTOR TO REVIEW DRAWINGS FOR COMPLIANCE WITH LOCAL CODES AND WITH AUTHORITIES HAVING JURISDICTION OVER THIS PROJECT...

DUCTWORK SYMBOL LEGEND table with 2 columns of symbols and descriptions for various ductwork components like supply/return air ducts, elbows, dampers, and transitions.

ANNOTATION SYMBOL LEGEND table with 2 columns of symbols and descriptions for thermostat, humidistat, switches, and equipment symbols.

AIR DEVICE AND DUCT ACCESS. LEGEND table with 2 columns of symbols and descriptions for return air grilles, diffusers, and transfer openings.

PIPE SYMBOL LEGEND table with 2 columns of symbols and descriptions for various pipe types like ductwork, refrigerant lines, and capped pipes.

HVAC INDEX OF DRAWINGS table listing sheet numbers and names such as E.M001 HVAC LEGEND AND GENERAL NOTES, E.M002 HVAC SCHEDULES, etc.

Revision table with columns for No., Event Center & Site Rebid, Revisions / Submissions, and Date.



Benham's Grove City of Centerville CLIENT BUILDING

Benham's Grove Event Center
166 N MAIN ST, CENTERVILLE, OH 45459

HVAC LEGEND AND GENERAL NOTES

Table with columns for Comm. No., Date, Drawn, Drawing No., Checked, and Sheet Name (E.M001).



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VENTILATION SCHEDULE									
ROOM NUMBER	ROOM NAME	OCCUPANCY TYPE	AREA (SF)	OCCUPANT DENSITY (#/1000SF)	PEOPLE AIR RATE (CFM/PERSON)	AREA AIR RATE (CFM/SF)	NUMBER OF PEOPLE	MINIMUM OA AIRFLOW (CFM)	
44	CORRIDOR	CORRIDOR	131	0	0	0.06	0	8	
101	EVENT SPACE	MEETING	3671	50	5	0.06	184	1140	
102	VESTIBULE		79						
103	STORAGE		195						
104	R.R.		49						
105	R.R.		46						
106	UNC.	CORRIDOR	151	0	0	0.06	0	9	
107	R.R.		46						
108	R.R.		48						
110	R.R.		36						
111	CATERING PREP	RECEIVING	303	2	10	0.12	1	46	
112	J.C.		125						
113	GROOMS LOUNGE	BREAK - GENERAL	186	25	5	0.06	5	36	
114	MECHANICAL		112						
115	PREP/STORAGE		83						
116	BRIDAL ENTRY	CORRIDOR	252	0	0	0.06	0	15	
201	BRIDAL SPACE	BREAK - GENERAL	536	25	5	0.06	14	102	
202	R.R.		68						
203	MECHANICAL		122						
			6231					1356	

FURNACE SCHEDULE															
PLAN MARK	BASIS OF DESIGN		VENT. AIR CFM	ESP	HEATING		NOM. COOL CAPACITY (TONS)	DIMENSION			ELECTRICAL		NOTES		
	MFR	MODEL			MBH INPUT	MBH OUTPUT		WIDTH	DEPTH	HEIGHT	V/PH	MCA		MOCP	
FUR-1	CARRIER	59SC2D	1,950	510	0.60"	120	111	5	24.5"	29"	34"	120/1	12.0	20	1,2,3,4,5,6
FUR-2	CARRIER	59SC2D	1,950	510	0.60"	120	111	5	24.5"	29"	34"	120/1	12.0	20	1,2,3,4,5,6
FUR-3	CARRIER	59SC2D	1,600	110	0.50"	80	75	4	21"	29"	34"	120/1	12.9	20	1,2,3,4,5
FUR-4	CARRIER	59SC2D	800	55	0.50"	40	37	2	14.5"	29"	34"	120/1	9.8	15	1,2,3,4,5

GENERAL NOTES:
A ACCEPTABLE ALTERNATE MANUFACTURER BY RHEEM OR BRYANT.
B REFRIGERANT PIPING TO BE SIZED BY MANUFACTURER.

NOTES:
1. PROVIDE WITH NON-FUSED DISCONNECT SWITCH.
2. PROVIDE MATCHED EVAPORATOR COIL AND CONDENSING UNIT.
3. PROVIDE WITH FILTER RACK AND 1" PLEATED SPARE SET OF FILTERS.
4. PROVIDE CONCENTRIC VENT KIT AND NEUTRALIZING KIT.
5. PROVIDE WITH 7-DAY PROGRAMMABLE THERMOSTAT.
6. UNIT SHALL UTILIZE EITHER BOTTOM OR TWO-SIDE RETURN CONNECTION LOCATIONS PER MANUFACTURER GUIDELINES.

DUCTWORK CONSTRUCTION SCHEDULE													
DUCT SYSTEM	SHAPE	PRESS. CLASS W.G.	MATERIAL	LINER				INSULATION				NOTES	
				THK.	TYPE	D	THK.	TYPE	D	JACKET			
EXPOSED SUPPLY AND RETURN	RND	-/+1"	GS	1"	PFL	-	-	-	-	-	-	-	-
SUPPLY AIR DEVICE RUNOUT	RND	+1"	IFD	-	-	-	1.5"	IFD	-	FFJ	-	-	2
EXHAUST	RND/RECT.	-1"	GS	-	-	-	-	-	-	-	-	-	-
CONCEALED SUPPLY & RETURN	RND/RECT.	-/+1"	GS	-	-	-	1.5"	FGW	-	FFJ	-	-	-
UNDERSLAB DUCT	RND/RECT.	+2"	GS	-	-	-	NOTE 3	FPW	-	FFJ	-	-	1

GENERAL NOTES:
A ALL INTERIOR CONCEALED SUPPLY AND RETURN DUCTWORK NOT SPECIFICALLY LISTED ABOVE SHALL BE INSULATED WITH 1.5" FIBERGLASS WRAP WITH FOIL FACED JACKET.
B ALL PAINTING BY GENERAL CONTRACTOR.

SCHEDULE NOTES:
1. DUCTWORK IN ATTIC SHALL BE INSULATED PER ASHRAE 90.1-2010 REQUIREMENTS
2. ROUND RUNOUTS TO AIR DEVICES SHALL BE EXTERNALLY INSULATED.

ABBREVIATIONS:
AIFD ACOUSTICAL INSULATED FLEX-DUCT
ALUM ALUMINUM
ABA ADHESIVE BACKED ALUMINUM
ASJ ALL SERVICE JACKET
CS CARBON STEEL
D DENSITY (PCF)
DWI DOUBLEWALL INSULATED
ETPS EXTRUDED POLYSTYRENE
FB FIBERGLASS BOARD
FFJ FOIL FACED JACKET
FGW FIBERGLASS WRAP
FPW FIRE WRAP
GS GALVANIZED STEEL
GSSP GALVANIZED STEEL SPIRAL PIPE
IFD INSULATED FLEXIBLE DUCT
MFF MATT FACED FIBERGLASS
PFD PERFORATED FABRIC DUCT
PFL PREFORMED LINER
PGGS PAINTGRIP GALVANIZED STEEL
PVGGS PVD COATED GALVANIZED STEEL
RECT RECTANGULAR
RND ROUND
SS STAINLESS STEEL
TH THICKNESS
UFD UNINSULATED FLEXIBLE DUCT

AIR COOLED CONDENSING UNIT SCHEDULE											
PLAN MARK	ASSOCIATED INDOOR UNIT	BASIS OF DESIGN		NOM. TONS	AMB. TEMP (°F)	MIN. UNIT EER	REFRIG.	ELECTRICAL			NOTES
		MFR	MODEL					V/PH	MCA	MOCP	
CU-1	FUR-1	CARRIER	24ACC6	5	95	16	R410A	208-230/1	28.0	40	1
CU-2	FUR-2	CARRIER	24ACC6	5	95	16	R410A	208-230/1	28.0	40	1
CU-3	FUR-3	CARRIER	24ACC6	4	95	16	R410A	208-230/1	26.1	40	1
CU-4	FUR-4	CARRIER	24ACC6	2	95	16	R410A	208-230/1	17.6	25	1

GENERAL NOTES:
A ACCEPTABLE ALTERNATE MANUFACTURER BY CARRIER OR BRYANT.

NOTES:
1. PROVIDE WITH CONCRETE OR COMPOSITE EQUIPMENT PAD.

DIFFUSERS, REGISTERS, GRILLES AND LOUVERS SCHEDULE									
PLAN MARK	DESCRIPTION	BASIS OF DESIGN		MOUNTING	FINISH	MATERIAL	DAMPER TYPE	NOTES	
		MFR	MODEL						
A1	SQUARE FACE DIFFUSER, 24"x24" FACE	TITUS	TMS	LAY-IN	-	STEEL	-	-	2
A2	SQUARE FACE DIFFUSER, 24"x24" FACE	TITUS	TMS	SURFACE	-	STEEL	OPP. BLADE DMPR	-	2
A3	SQUARE FACE DIFFUSER, 12"x12" FACE	TITUS	TMS	LAY-IN	-	STEEL	-	-	2
A4	SQUARE FACE DIFFUSER, 12"x12" FACE	TITUS	TMS	SURFACE	-	STEEL	OPP. BLADE DMPR	-	2
B1	EGGCRATE RETURN GRILLE, 24"x24" FACE	TITUS	50F	LAY-IN	-	STEEL	-	-	2
B2	EGGCRATE RETURN GRILLE, 24"x24" FACE	TITUS	50F	SURFACE	-	STEEL	OPP. BLADE DMPR	-	2
B3	EGGCRATE RETURN GRILLE, 12"x12" FACE	TITUS	50F	LAY-IN	-	STEEL	-	-	2
C1	DBL DEFLECTION SUPPLY GRILLE	TITUS	272RL	SURFACE	-	STEEL	OPP. BLADE DMPR	-	2
D1	RETURN GRILLE	TITUS	350RL	SURFACE	-	STEEL	-	-	2
F1	LINEAR BAR GRILLE, 7/32" BARS, 7/16" SPACING	TITUS	CT-PP-0	SURFACE	-	ST. STL.	-	-	1,2
L1	STATIONARY DRAINABLE LOUVER	RUSKIN	ELF635	SURFACE	-	ALUM.	BIRDSCREEN	-	2

GENERAL NOTES:
A PRICE AND KRUEGER ACCEPTABLE ALTERNATE MANUFACTURERS.


NOTES:
1. GRILLE SHALL BE SUITABLE FOR MOUNTING ON FLOOR. PROVIDE WITH OPPOSED BLADE DAMPER.
2. FINAL COLOR AND FINISH SELECTION SHALL BE BY THE ARCHITECT.

ENERGY RECOVERY VENTILATOR														
PLAN MARK	MFR	MODEL	EXHAUST			FRESH AIR			ELECTRIC			NOTES		
			CFM	ESP	HP	CFM	ESP	HP	VOLT/PH	MCA	MOCP			
ERV-1	RENEWAIRE	HE1.5XINV	830	0.3" WC	0.75	1,350	0.3" WC	0.75	120/1	20.3	25	51%	63%	1

NOTES:
1. PROVIDE WITH ECM MOTORS, INTEGRAL DISCONNECT, RUBBER-IN-SHEAR ISOLATORS AND MOTORIZED DAMPERS ON BOTH AIRSTREAMS.

HVAC DESIGN CRITERIA									
GENERAL DESIGN INFORMATION					OUTDOOR DESIGN INFORMATION				
LOCATION: CENTERVILLE, OHIO					SUMMER DRY BULB: 90.3°F (ASHRAE 0.4%) SUMMER WET BULB: 73.0°F (ASHRAE 0.4%) WINTER DRY BULB: 0.6°F (ASHRAE 99.6%)				
APPLICABLE CODES					INDOOR DESIGN INFORMATION				
MECHANICAL: 2017 OHIO MECHANICAL CODE PLUMBING: 2017 OHIO PLUMBING CODE ENERGY: ASHRAE 90.1-2010 VENTILATION: ASHRAE 62.1-2016 or 2017 OHIO MECHANICAL CODE					INDOOR SUMMER DRY BULB: 75°F INDOOR SUMMER RELATIVE HUMIDITY: 60% MAX INDOOR WINTER DRY BULB: 70°F INDOOR WINTER RELATIVE HUMIDITY: AMBIENT				

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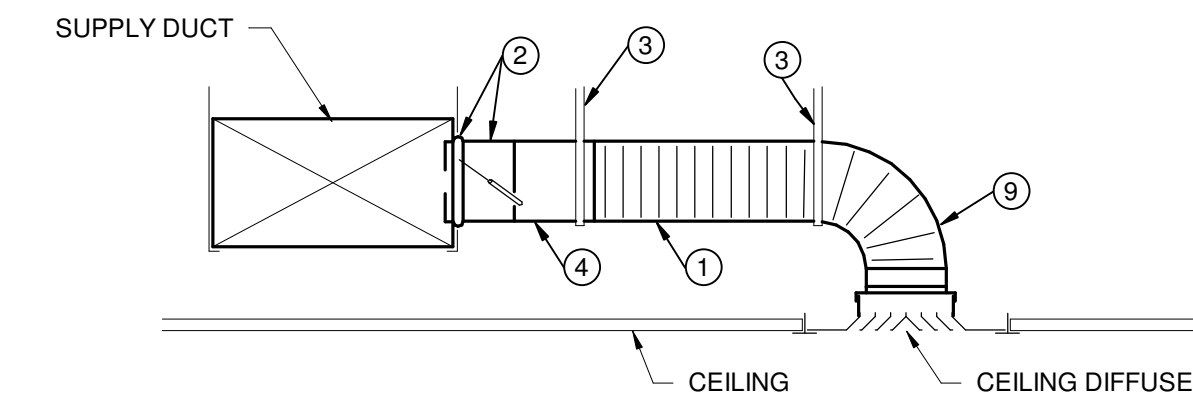
Benham's Grove Event Center

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HVAC SCHEDULES			
Comm. No.	Date		
	20230222	2023-11-21	
Drawn	Drawing No.		
JLW			E.M002
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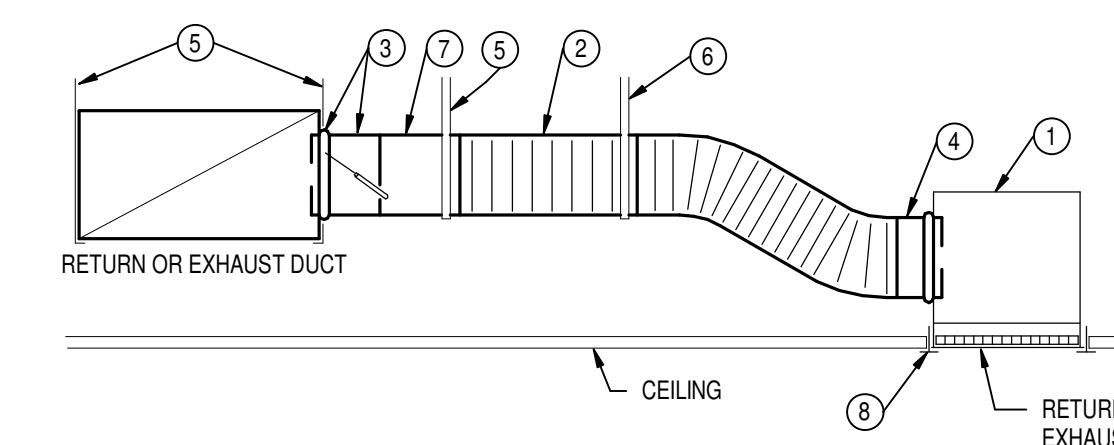


NOTES

- 1 INSULATED FLEXIBLE DUCT SAME DIAMETER AS BRANCH DUCT, 6 FT. MAXIMUM TOTAL LENGTH PER AIR DEVICE. STRETCH FLEXIBLE DUCT TO AT LEAST 90% OF FULLY EXTENDED LENGTH.
- 2 SPIN-IN BRANCH TAP FITTING, STRAIGHT SIDE WITH MANUAL DAMPER, DAMPER SHAFT IN HORIZONTAL. INTEGRAL INSULATION GUARD SLEEVE REQUIRED FOR TAP FITTING TO MAIN DUCT WITH INTERNAL INSULATION, AND EXTENDED DAMPER SHAFT AND HANDLE WITH STAND-OFF TO ACCOMMODATE EXTERNAL INSULATION.
- 3 DUCT STRAP HANGER, ATTACH TO STRUCTURE.
- 4 ROUND SHEET METAL BRANCH DUCT, SAME SIZE AS DIFFUSER INLET UNLESS NOTED OTHERWISE.

1 CEILING DIFFUSER DUCT CONNECTION

NTS



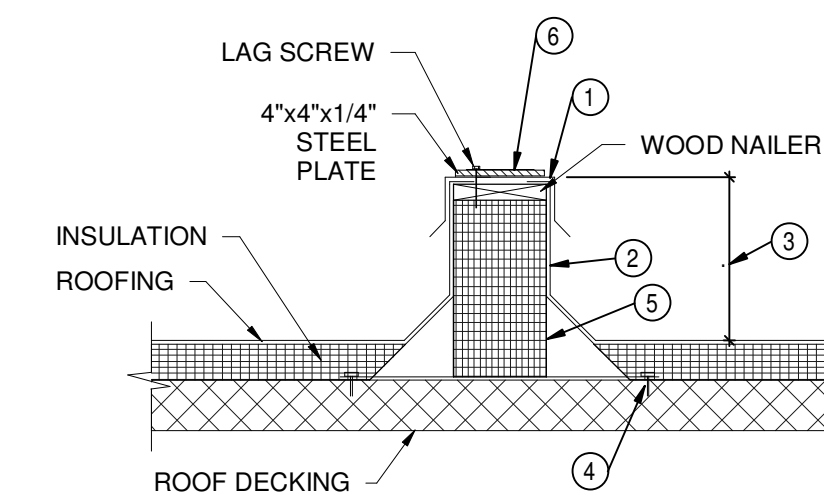
ROUND SHEETMETAL BRANCH DUCT	
BRANCH CFM	RD. DUCT SIZE
0 TO 80 CFM	6"D
81 TO 120 CFM	7"D
121 TO 200 CFM	8"D
201 TO 400 CFM	10"D
401 TO 700 CFM	12"D
701 TO 1000 CFM	14"D

NOTES

1. SHEET METAL PLENUM, FULL SIZE OF GRILLE NECK, MINIMUM 4" TALLER THAN DUCT RUNOUT SIZE, WITH SAME INTERNAL OR EXTERNAL INSULATION AS RETURN OR EXHAUST DUCT, CONNECT TO GRILLE. SEAL PLENUM AND CONNECTION TO GRILLE, SEAL CLASS A.
2. FLEXIBLE DUCT, SAME DIAMETER AS BRANCH DUCT, 7 FT. MAXIMUM TOTAL LENGTH PER AIR DEVICE. STRETCH FLEXIBLE DUCT TO AT LEAST 90% OF FULLY EXTENDED LENGTH.
3. SPIN-IN BRANCH TAP FITTING, STRAIGHT SIDE WITH MANUAL DAMPER, DAMPER SHAFT IN HORIZONTAL. INTEGRAL INSULATION GUARD SLEEVE REQUIRED FOR TAP FITTING TO MAIN DUCT WITH INTERNAL INSULATION. EXTENDED DAMPER SHAFT AND HANDLE WITH STAND-OFF REQUIRED FOR EXTERNALLY INSULATED DUCTWORK.
4. SPIN-IN TAP FITTING WITHOUT DAMPER.
5. DUCT STRAP HANGER, ATTACH TO STRUCTURE.
6. STRAP HANGER REQUIRED IF LENGTH OF FLEXIBLE DUCT IS LONGER THAN 4 FT.
7. ROUND SHEET METAL BRANCH DUCT, SIZE AS INDICATED IN ADJACENT SCHEDULE UNLESS NOTED OTHERWISE ON PLANS.
8. CEILING T-BAR SUPPORT (FOR LAY-IN APPLICATIONS). COORDINATE AND VERIFY T-BAR TYPE FOR COMPATIBILITY WITH GRILLE.

2 RETURN/EXHAUST GRILLE DUCT CONNECTION - LIMITED CLEARANCE

NTS

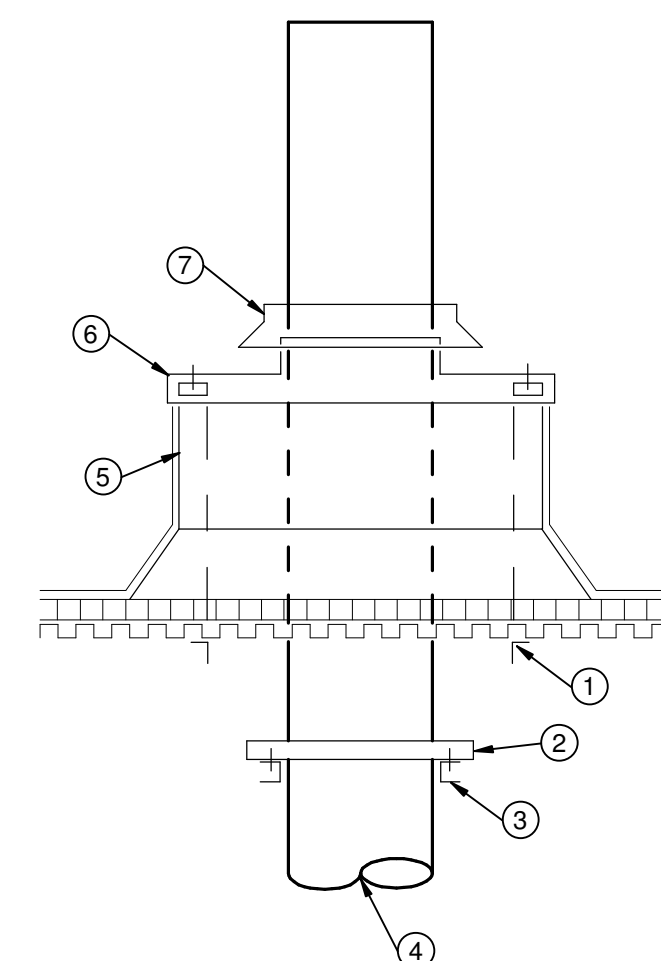


NOTES

1. PROVIDE COUNTER-FLASHING.
2. HEAVY GAUGE CONTINUOUS SUPPORT EXTENDS 6" BEYOND LAST EQUIPMENT LEG. SCREW ATTACHMENT TO DECK.
3. MINIMUM 12 INCHES.
4. #10x1" EXPANSION LAGS TO DECK SPACED EVERY 6".
5. INSULATED STEEL CURB.
6. SECURE FAN TO CURB WITH #14-1" LONG (STAINLESS STEEL OR ZINC COATED, CORROSION-RESISTANT), SELF-DRILLING/PIERCING FASTENERS ON ALL SIDES MINIMUM OF 6" O.C.

3 ROOF EQUIPMENT SUPPORT

NTS



NOTES

1. STRUCTURAL FRAMING FOR OPENING. COORDINATE REQUIRED OPENING DIMENSIONS.
2. SUPPORT RING. FASTEN TO DUCTWORK AND CHANNEL.
3. CHANNEL SUPPORT FROM ADJACENT JOISTS.
4. FROM EQUIPMENT.
5. 14" HIGH CURB, EQUAL TO PATE PCA-5.
6. CURB CAP EQUAL TO PATE PCC.
7. STORM COLLAR FASTEN TO PIPE.

4 VENT DUCTS THRU ROOF

NTS

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Benham's Grove Event Center

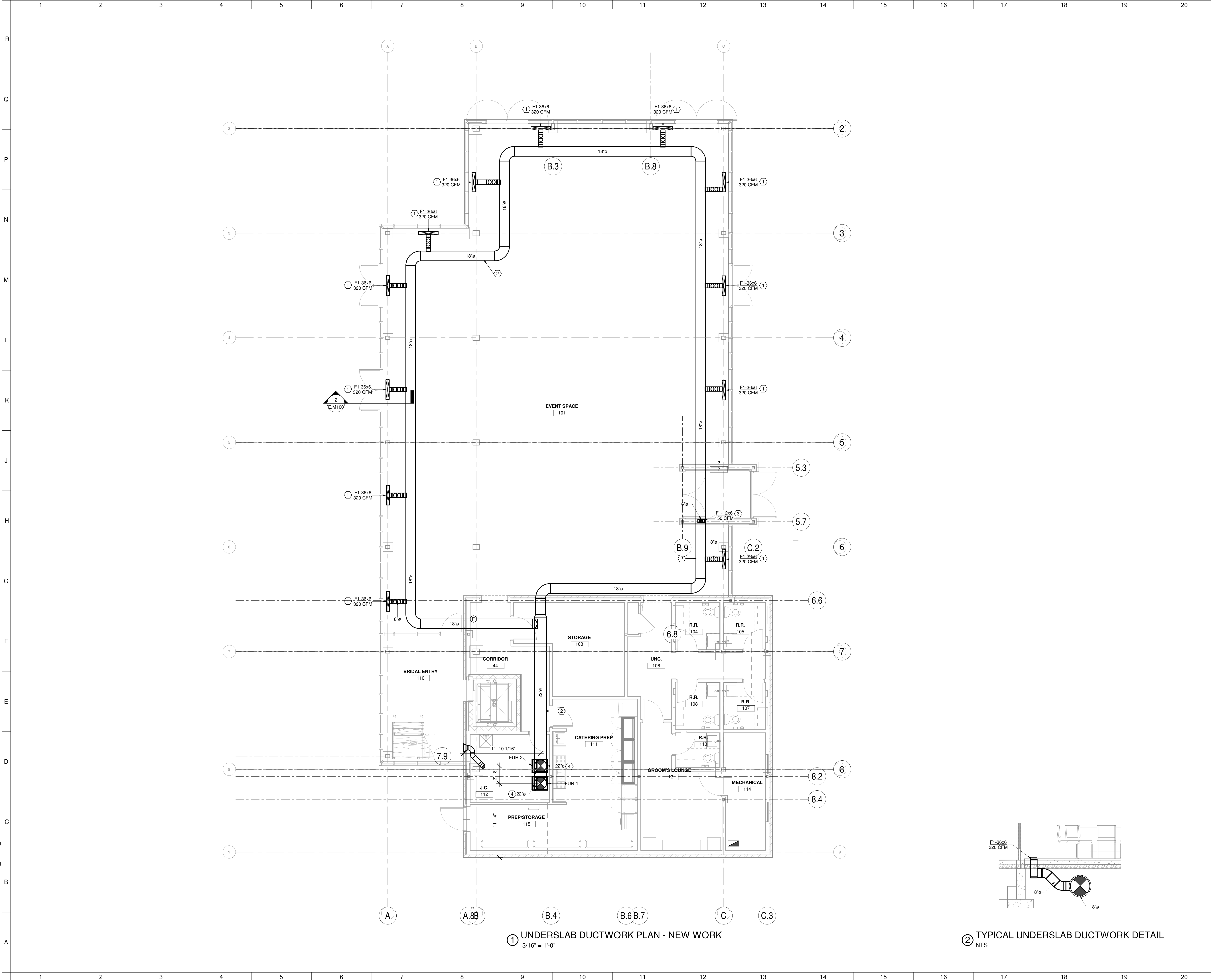
166 N MAIN ST, CENTERVILLE, OH 45459

HVAC DETAILS

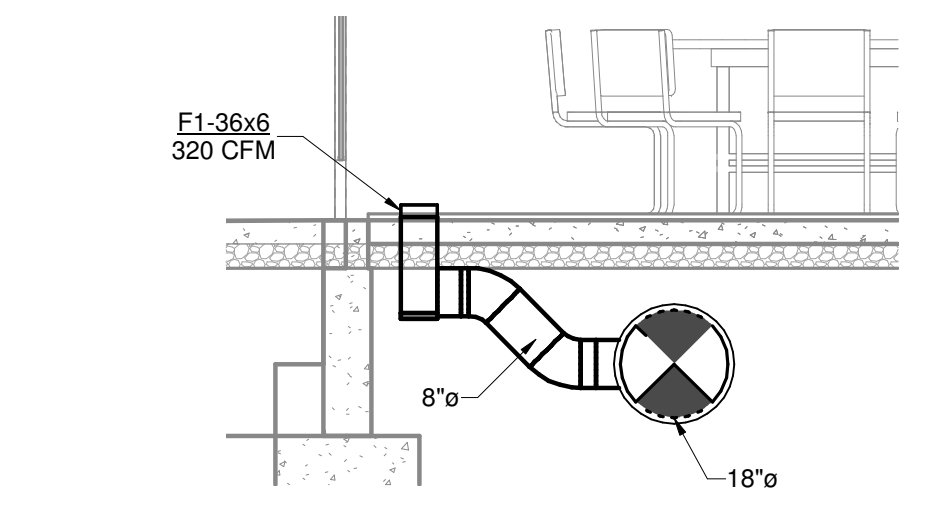
	Comm. No.	Date
	2023022	2023-11-21
	Drawn	Drawing No.
	Author	E.M003
Checked	Checker	
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① UNDERSLAB DUCTWORK PLAN - NEW WORK
3/16" = 1'-0"



② TYPICAL UNDERSLAB DUCTWORK DETAIL
NTS

○ SHEET NOTES:

- SUPPLY AIR GRILLE MOUNTED IN FLOOR. PROVIDE WITH SUPPLY AIR PLENUM. BRANCH DUCTWORK AND PLENUM BOX SHALL BE INSTALLED PRIOR TO FLOOR SLAB POUR. GRILLE SHALL BE MOUNTED DIRECTLY ON FLOOR.
- DUCT LOCATED BELOW SLAB. DUCT SHALL BE CONSTRUCTED OF COMPOSITE OR PLASTIC MATERIAL WITH SOLVENT OR HEAT FUSED JOINTS. DUCTWORK SHALL BE PRESSURE TESTED FOR LEAKS PRIOR TO POURING OF FLOOR SLAB.
- PROVIDE BRANCH DUCT UP THROUGH FLOOR SLAB FOR SUPPLY AIR GRILLE. GRILLE MOUNTED ON SURFACE.
- DUCT UP THROUGH FLOOR SLAB TO FURNACE SUPPLY AIR PLENUM. DIMENSIONS ARE SHOWN FOR REFERENCE AND SHALL BE FIELD COORDINATED.

No.	Revisions / Submissions	Date
1	Event Center & Site Rebid	2023-11-21

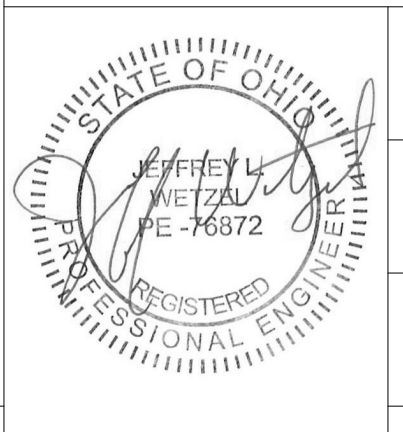
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434 East First Street Dayton, OH 45402 937.223.6500
712 East Main Street Richmond, IN 47374 765.966.3546

Benham's Grove City of Centerville
CLIENT BUILDING

Benham's Grove Event Center
166 N MAIN ST, CENTERVILLE, OH 45459

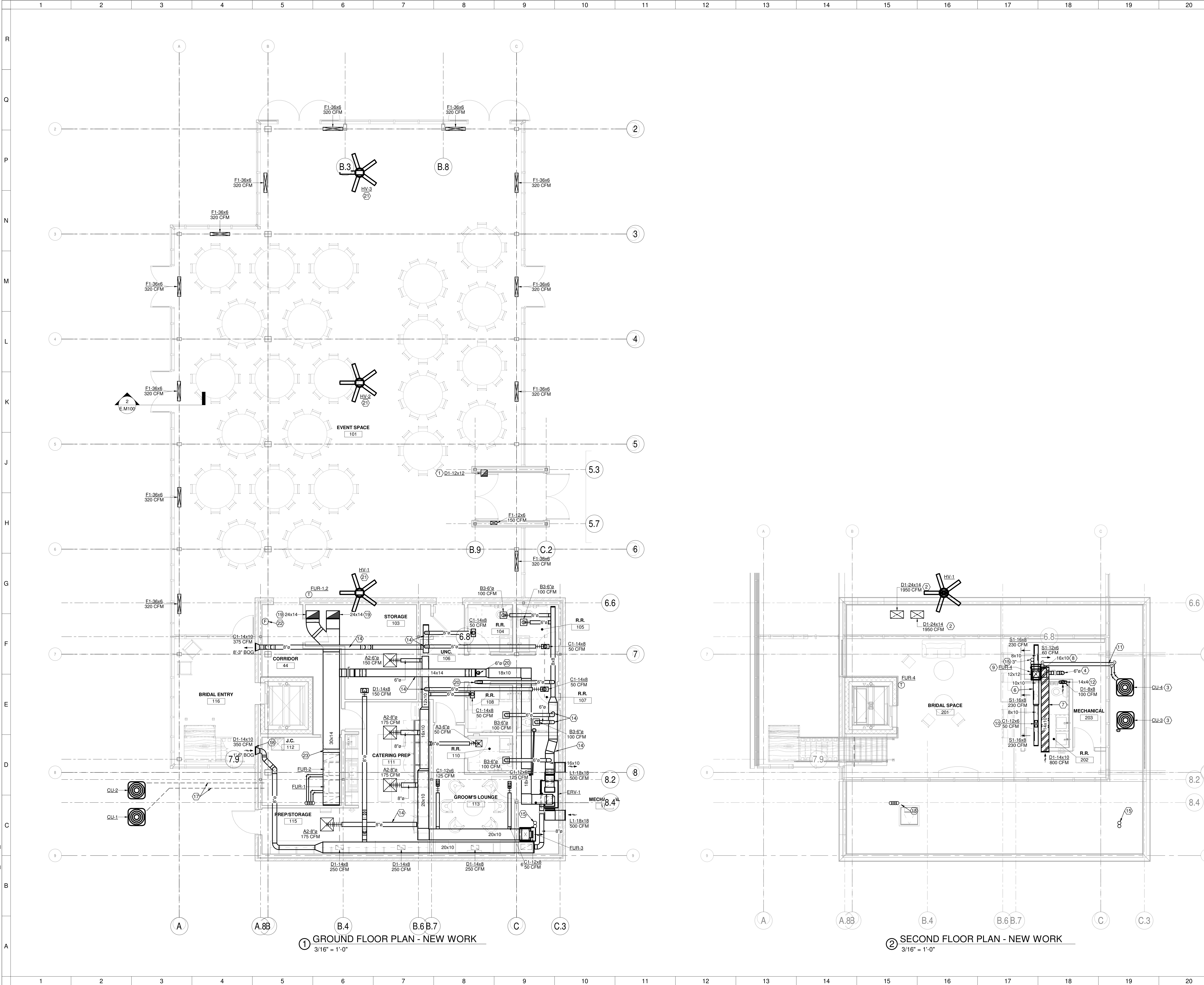
HVAC BELOW SLAB PLAN

Comm. No.	Date
2023022	2023-11-21
Drawn	Drawing No.
JLW	E.M100
Checked	
JLW	



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① GROUND FLOOR PLAN - NEW WORK
3/16" = 1'-0"

② SECOND FLOOR PLAN - NEW WORK
3/16" = 1'-0"

○ SHEET NOTES:

1. TRANSFER AIR GRILLE IN CEILING. EXTEND DUCT FROM TRANSFER GRILLE UP THROUGH CEILING STRUCTURE AND OPEN TO LARGE SPACE.
2. RETURN GRILLE MOUNTED AT TOP OF SECOND FLOOR FRAMING. REFER TO FIRST FLOOR PLAN FOR CONTINUATION.
3. CONDENSING UNIT MOUNTED ON ROOF. PROVIDE WITH EQUIPMENT MOUNTING LEGS.
4. VENTILATION AIR DUCT FOR FURNACE EUR-4 FROM ERV UNIT BELOW. PROVIDE WITH MANUAL BALANCE DAMPER. BALANCE VENTILATION AIR TO AIRFLOW INDICATED IN FURNACE SCHEDULE.
5. EXHAUST DUCT DOWN TO ERV UNIT BELOW. REFER TO FIRST FLOOR PLAN FOR CONTINUATION.
6. SUPPLY DUCT ROUTED ABOVE CEILING STRUCTURE. SUPPLY DIFFUSERS SHALL BE DIRECTED AT BRIDAL SUITE.
7. RETURN DUCT ROUTED OVER TOP OF CEILING STRUCTURE. HATCHING INDICATES 1" INTERNAL ACOUSTIC LINER.
8. DUCT DOWN TO RETURN AIR PLENUM BOX.
9. PROVIDE GAS FIRED FURNACE WITH BOTTOM RETURN. UNIT SHALL BE MOUNTED ON STRUCTURAL RETURN PLENUM WITH FILTER RACK.
10. SUPPLY REGISTER MOUNTED IN RESTROOM CEILING.
11. REFRIGERANT PIPING THROUGH EXTERIOR WALL AND DOWN TO ROOF SURFACE.
12. DUCT LOCATED IN WALL FRAMING DOWN TO FLOOR BELOW.
13. FURNACE VENT PIPING UP THROUGH ROOF.
14. DUCT ROUTED IN FLOOR FRAMING.
15. FURNACE SCHEDULE 40 PVC VENTING PIPING UP THROUGH ROOF AND TERMINATE PER MANUFACTURER GUIDELINES. PROVIDE WITH PIPE FLASHING FOR METAL ROOFING. PIPING SHALL BE PAINTED TO MATCH ROOF COLOR.
16. FURNACE SCHEDULE 40 PVC VENTING PIPING UP THROUGH ROOF AND TERMINATE PER MANUFACTURER GUIDELINES. REFER TO DETAIL ON SHEET E.M03.
17. PROVIDE 6" PVC CONDUIT UNDERGROUND FOR ROUTING CONDENSING UNIT REFRIGERANT PIPING UNDER SLABS.
18. RETURN GRILLE MOUNTED UNDERNEATH STAIR LANDING AT APPROXIMATELY 1'-6" AFF. COORDINATE MOUNTING HEIGHT IN FIELD.
19. DUCT UP TO RETURN GRILLE MOUNTED ON TOP OF FLOOR STRUCTURE. REFER TO SECOND FLOOR PLAN FOR CONTINUATION.
20. DUCT UP TO FLOOR ABOVE.
21. PROVIDE HIGH VOLUME LOW SPEED (HVLS) FAN MOUNTED TO ROOF TRUSSES. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR LOCATION.
22. PROVIDE HVLS FAN CONTROLLER. CONTROL WIRING SHALL BE CONCEALED WITHIN ROOF FRAMING SLOTS ALSO USED FOR LIGHTING AND FIRE SUPPRESSION PIPING. REFER TO ARCHITECTURAL PLANS FOR APPLICABLE DETAILS AND/OR SECTIONS. COORDINATE FAN CONTROLLER LOCATION WITH OTHER TRADES. CONTROLLER SHALL CONTROL ALL THREE FANS SIMULTANEOUSLY.
23. PROVIDE DUCT MOUNTED SMOKE DETECTOR. UNITS SHALL SHUT DOWN ON DETECTION OF SMOKE. INTERCONNECT WIRING WITH FIRE ALARM BY E.C.

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Benham's Grove Event Center

166 N MAIN ST, CENTERVILLE, OH 45459

HVAC FLOOR PLANS	
Comm. No.	Date
20230222	2023-11-21
Drawn	Drawing No.
JLW	E.M101
Checked	
JLW	

GENERAL LIGHTING/POWER NOTES

1. LIGHT FIXTURES DESIGNATED AS "NIGHT LIGHTS" SHALL BE ON UNSWITCHED CIRCUIT, UNLESS NOTED.
2. EXIT LIGHTS SHALL BE ON UNSWITCHED CIRCUIT, UNLESS NOTED.
3. ALL RECESSED DOWNLIGHTS MOUNTED IN GRID CEILING SHALL BE CENTERED IN CEILING TILE, UNLESS NOTED.
4. IN ALL MECHANICAL ROOMS, COORDINATE EXACT LOCATION OF LIGHT FIXTURES WITH HVAC DUCTWORK.
5. CONDUCTORS FOR BRANCH CIRCUITRY ARE #12 AWG MINIMUM, UNLESS NOTED. DERATE PER CODE WHERE CIRCUITS ARE COMBINED.
6. ALL HOMERUN CONDUCTORS BACK TO PANEL SHALL BE #10 AWG MINIMUM, UNLESS NOTED. PROVIDE A GREEN GROUND CONDUCTOR IN ALL BRANCH CIRCUITRY. DERATE PER CODE WHERE CIRCUITS ARE COMBINED.
7. ALL CONDUIT DROPS FOR PLENUM RATED CABLES SHALL BE PROVIDED WITH A CONDUIT BUSHING ABOVE CEILING.
8. WHERE TERMINATED IN J-BOX, ALL SPARE CIRCUITRY SHALL BE LABELED WITH PANEL AND CIRCUIT NUMBER.
9. COORDINATE WITH MECHANICAL CONTRACTOR AND PROVIDE ALL NECESSARY AUXILIARY CONTACTS, RELAY, ETC. IN MOTOR STARTERS FOR REQUIRED CONTROL OF MECHANICAL EQUIPMENT.
10. DO NOT SUPPORT CONDUIT OFF OF CEILING GRID, CEILING GRID SUPPORTS, MECHANICAL SUPPORTS, OR ANY OTHER TRADE'S SUPPORTS. INSTALL CONDUITS AND BOXES ON SEPARATE SUPPORTS FROM BAR JOIST OR STRUCTURE.
11. COORDINATE OUTLET LOCATIONS FOR ALL KITCHEN AND BAR EQUIPMENT PRIOR TO ROUGH-IN.
12. NEW FIRE ALARM DEVICES SHOWN FOR REFERENCE ONLY. FINAL DESIGN AND PERMIT DRAWINGS TO BE PROVIDED BY FIRE ALARM MANUFACTURERS THROUGH A DELEGATED DESIGN APPROACH. ANNUNCIATING STROBES SHALL BE SYNCHRONIZED. PROVIDE ADEQUATE POWER FOR NEW PANELS TO SUPPORT ALL NEW DEVICES PROVIDING ADDITIONAL 20% CAPACITY ON NAC CIRCUIT.

ABBREVIATIONS

A	AMPS
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
BKR	BREAKER
C	CONDUIT
CATV	CABLE TELEVISION
CUH	CABINET UNIT HEATER
CKT	CIRCUIT
CU	COPPER
E	EXISTING
EF	EXHAUST FAN
ELEC	ELECTRICAL
EM	EMERGENCY
EMT	EMERGENCY METALLIC TUBING
FCU	FAN COIL UNIT
G	GROUND
GFI	GROUND FAULT INTERRUPTER
GRC	GALVANIZED RIGID CONDUIT
HP	HORSEPOWER
J	JUNCTION BOX
KVA	KILOVOLT AMPERE
KW	KILOWATTS
LGTT	LIGHTING
MECH	MECHANICAL
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
NTS	NOT TO SCALE
PVC	POLYVINYL CHLORIDE
P	PHASE (POLE)
TTB	TELEPHONE TERMINAL BOX
TYP	TYPICAL
UNO	UNLESS OTHERWISE NOTED
UV	UNIT VENTILATOR
V	VOLTS
VAV	VARIABLE AIR VOLUME
VIF	VERIFY IN FIELD
W	WATTS
WC	WATER COOLER
WP	WEATHERPROOF
UH	UNIT HEATER
UNO	UNLESS NOTED OTHERWISE

GENERAL PROJECT NOTES

1. WORK SHALL BE DONE IN ACCORDANCE WITH LOCAL, STATE OF OHIO, 2017 NEC AND NATIONAL CODES, RECOMMENDATIONS, REGULATIONS, AND REQUIREMENTS.
2. COORDINATE ELECTRICAL REQUIREMENTS FOR NEW WORK WITH THE PLUMBING AND MECHANICAL CONTRACTORS. VERIFY VOLTAGE, PHASE AND ACCESSORY REQUIREMENTS, SUCH AS MOTOR STARTERS AND DISCONNECTS.
3. CONTRACTOR SHALL PERFORM ALL CUTTING AND PATCHING AS REQUIRED FOR HIS WORK. OPENINGS IN WALLS, FLOORS AND CEILINGS SHALL BE FILLED IN, PATCHED, PAINTED AND FINISHED IN A MANNER TO MATCH THE QUALITY OF THE EXISTING, LIKE ADJACENT SURFACES.
4. NEW OPENINGS IN EXISTING WALLS AND FLOORS SHALL BE CORE DRILLED OR SAW CUT. OPENINGS IN NEW WALLS AND FLOORS SHALL BE PLANNED AND COORDINATED WITH GENERAL CONTRACTOR FOR THE INSTALLATION OF APPROPRIATE SLEEVES.
5. ALL CONDUIT SHALL BE 3/4" MINIMUM U.N.O. MC CABLE IS ALLOWED.
6. CONDUIT SHALL BE CONCEALED IN CEILING OR WALLS WHEREVER POSSIBLE.
7. ALL BRANCH CIRCUITS AND FEEDERS SHALL CONTAIN A GREEN INSULATED GROUND CONDUCTOR. GROUNDING BY MEANS OF RACEWAY IS NOT PERMITTED.
8. REFER TO MECHANICAL, PLUMBING, AND ARCHITECTURAL PLANS FOR EXACT LOCATION OF EQUIPMENT.
9. CONTRACTOR SHALL COORDINATE EXACT HEIGHT OF DEVICES DESIGNED AS OVER COUNTER WITH CASE WORK AND FURNITURE DRAWINGS.
10. VERIFY CEILING TYPES PER THE ARCHITECTURAL REFLECTED CEILING PLAN. PROVIDE APPROPRIATE TYPE FIXTURE, LAY-IN FOR GRID, FLANGE FOR DRYWALL, ETC.
11. VERIFY AND COORDINATE MOUNTING HEIGHTS AND LOCATIONS OF ALL DEVICES MOUNTED IN CASEWORK OR ABOVE COUNTERS WITH SPECIFIC EQUIPMENT FURNISHED.
12. NO MORE THAN 3 PHASE CONDUCTORS SHALL BE INSTALLED IN ANY ONE CIRCUIT, UNLESS NOTED OTHERWISE. EACH BRANCH CIRCUIT SHALL CONTAIN THEIR OWN NEUTRAL CONDUCTOR, NO SHARED NEUTRALS.
13. CONTRACTOR SHALL PROVIDE ALL FIRESTOPPING FOR CONDUIT OR CABLE TRAY PENETRATIONS THAT PENETRATE ACOUSTICAL RATED OR SMOKE AND FIRE RATED ASSEMBLIES. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF ALL RATED ASSEMBLIES. ALL RATED PENETRATIONS SHALL BE FIRESTOPPED TO ORIGINAL ASSEMBLY RATING. ALL NON-RATED FLOOR PENETRATIONS SHALL BE SEALED WATER TIGHT WITH A FLEXIBLE SEALANT.
14. BRANCH CIRCUIT WIRING CHART TO BE UTILIZED AS GUIDELINE FOR VOLTAGE DROP COMPENSATION, INCREASE CONDUIT SIZING PER WIRE SIZE. (APPLIES TO ALL SHEETS)
 - 20A-120 VOLT CIRCUITS
 - #12 WIRE - 75' LENGTH MAX.
 - #10 WIRE - 125' LENGTH MAX. - #10 GRD.
 - #8 WIRE - 200' LENGTH MAX. - #8 GRD.
 - #6 WIRE - 300' LENGTH MAX. - #6 GRD.
15. PROVIDE ALL PULL BOXES, IN ACCESSIBLE AREA, THAT EXCEED NEC NUMBER OF BENDS OR LENGTH IN FEEDER AND BRANCH CIRCUITS. INSTALL BOXES WHERE REQUIRED PER CODE.
16. ALL WIRING DEVICES SHALL BE OF HEAVY DUTY COMMERCIAL GRADE CONSTRUCTION. REFER TO ARCHITECTURAL SHEETS AND CODE SHEET FOR ALL FIRE-RATED PARTITION LOCATIONS AND RATINGS. COORDINATE COLORS WITH ARCHITECT.
17. CONTRACTOR IS RESPONSIBLE FOR ALL CORE-DRILLS REQUIRED FOR INSTALLATION OF ELECTRICAL WORK.
18. ROUTING OF CIRCUITRY INSTALLED IN CASEWORK, CABINETRIES, ETC. SHALL BE COORDINATED FOR PROPER CONCEALMENT AND FUNCTION OF CASEWORK, CABINETRIES, ETC.
19. VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO EXCAVATION, TRENCHING, OR DRILLING.
20. ALL ROOF PENETRATIONS OR PATCHES SHALL BE MADE PER ROOFING MANUFACTURER WARRANTY REQUIREMENTS.
21. ALL EXPOSED METAL CONDUITS ARE TO BE PAINTED TO MATCH THE ADJACENT SURFACE. COORDINATION OF PAINTING OF CONDUIT IS TO BE BY THE ELECTRICAL CONTRACTOR, WITH PAINTING BY OTHERS.
22. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL REQUIRED JUNCTION BOXES, PULL BOXES, ETC FOR A COMPLETE INSTALLATION PER THE N.E.C. AND LOCAL CODES. ALL CONDUCTORS SHALL BE RATED FOR 90 DEGREE CELSIUS.
23. COORDINATE WORK WITH OTHER TRADES. COORDINATION OR SCHEDULING SHALL BE RESPONSIBILITY OF THE INVOLVED CONTRACTORS.
24. ALL LOW VOLTAGE CABLING INSTALLED IN SPACES WITHOUT A LAY-IN OR WITH A HARD CEILING SHALL BE INSTALLED IN CONDUIT AND BOXES.

ELECTRICAL LEGEND

LIGHTING		FIRE ALARM	
A1	LIGHTING FIXTURE. REFER TO FIXTURE SCHEDULE. LETTER INDICATES TYPE.		FIRE ALARM PULL STATION, 44" AFF MOUNTING HEIGHT
A1	EMERGENCY LIGHTING FIXTURE WITH EMERGENCY BATTERY BACKUP. "NL" INDICATES NIGHT LIGHT CIRCUIT. REFER TO FIXTURE SCHEDULE FOR BATTERY REQUIREMENTS.		FIRE ALARM HORN/STROBE, 80" AFF MOUNTING HEIGHT
C1	LIGHTING FIXTURE. LETTER INDICATES TYPE.		FIRE ALARM DUCT MOUNTED SMOKE DETECTOR. S = SUPPLY. R = RETURN - COORDINATE WITH DUCTWORK. MAKE SAMPLING TUBE FULL WIDTH OF DUCT IN LENGTH. PROVIDE SMOKE DETECTOR FOR DAMPER OPERATION AND 120 VOLT POWER CONNECTION AS SHOWN ON THE POWER DRAWINGS. COORDINATE ALL CONNECTIONS WITH MECHANICAL CONTRACTOR. CONNECT TO ALARM SYSTEM.
C1	EMERGENCY LIGHTING FIXTURE WITH EMERGENCY BATTERY BACKUP.		FIRE ALARM CEILING MOUNTED SMOKE DETECTOR.
X1	CEILING MOUNTED EXIT SIGN. REFER TO FIXTURE SCHEDULE. SHADED AREA DENOTES FACE(S) OF UNIT. CONNECT TO LOCAL UNSWITCHED LIGHTING CIRCUIT.		FIRE ALARM ANNUNCIATOR PANEL.
X2	WALL MOUNTED EXIT SIGN. REFER TO FIXTURE SCHEDULE. SHADED AREA DENOTES FACE(S) OF UNIT. CONNECT TO LOCAL UNSWITCHED LIGHTING CIRCUIT.		FIRE ALARM CONTROL PANEL.
EM	EMERGENCY EGRESS LIGHT. REFER TO FIXTURE SCHEDULE.		FIRE ALARM STROBE, 80" AFF MOUNTING HEIGHT.
	CEILING MOUNTED OCCUPANCY SENSOR.		BLUE EXTERIOR STROBE LIGHT FOR FIRE DEPARTMENT CONNECTION WP - WEATHERPROOF
	SINGLE POLE WALL SWITCH. 120/277 VOLT, 20 AMP, 44" AFF.		SPRINKLER SYSTEM FLOW SWITCH FURNISHED AND INSTALLED BY THE FIRE PROTECTION CONTRACTOR, CONNECTED BY ELECTRICAL CONTRACTOR.
	THREE WAY WALL SWITCH. 120/277V, 20 AMP, 44" AFF		SPRINKLER SYSTEM GATE VALVE, SUPERVISORY SWITCH FURNISHED AND INSTALLED BY THE FIRE PROTECTION CONTRACTOR, CONNECTED BY ELECTRICAL CONTRACTOR.
	FOUR WAY WALL SWITCH. 120/277V, 20 AMP, 44" AFF		FIRE ALARM STROBE, 80" AFF MOUNTING HEIGHT.
OC	OCCUPANCY SENSOR WALL SWITCH. 120/277V, 20 AMP, 44" AFF		MAGNETIC DOOR HOLD OPEN.
DOC	OCCUPANCY SENSOR WALL SWITCH WITH 0-10V DIMMING. 120/277V, 20 AMP, 44" AFF		FIRE ALARM REMOTE POWER SUPPLY.
	SINGLE POLE WALL SWITCH WITH PILOT LIGHT. 120/277V, 20 AMP, 44" AFF		FIRE ALARM MONITOR MODULE.
	EXTERIOR LIGHT FIXTURE. ER, EXISTING TO REMAIN, PL1 - NEW FIXTURE. REFER TO FIXTURE SCHEDULE.		FIRE ALARM CONTROL RELAY MODULE.
POWER			END OF THE LINE RESISTOR.
	DUPLEX RECEPTACLE. 120 VOLT, 20 AMP, 18" AFF UNO.		FIRE ALARM CONTROL RELAY MODULE.
	DUPLEX RECEPTACLE WITH USB PLUG. 120 VOLT, 20 AMP, 18" AFF UNO.	DATA & COMMUNICATION	
	DUPLEX RECEPTACLE MOUNTED AT 46" OR ABOVE BACKSPLASH. 120 VOLT, 20 AMP.		DATA /COMMUNICATION OUTLET. TWO PORTS REFER TO DETAIL FOR MOUNTING REQUIREMENTS.
	DOUBLE DUPLEX RECEPTACLE. 120 VOLT, 20 AMP, 18" AFF UNO.		WALL PHONE. 54" AFF.
	120 VOLT DOUBLE DUPLEX, 20 AMP RECEPTACLE MOUNTED AT 46" AFF OR 4" ABOVE BACKSPLASH.		DATA OUTLET, 18" AFF.
	DUPLEX RECEPTACLE WITH GROUND FAULT PROTECTION. 120 VOLT, 20 AMP, 18" AFF UNO, WP-WEATHERPROOF BOX		DATA/COMMUNICATION. FOUR PORT DATA, 18" AFF.
	FLUSH FLOOR DUPLEX RECEPTACLE IN FLOOR BOX		DATA/COMMUNICATION. FOUR PORT DATA, 18" AFF.
	120 VOLT SINGLE 20 AMP RECEPTACLE.		WIRELESS ACCESS CONNECTION POINT WITH CEILING MOUNTED CISCO WIRELESS DEVICE.
	DUPLEX RECEPTACLE. CEILING MOUNTED		
	SPECIAL PURPOSE RECEPTACLE. REFER TO FLOOR PLANS FOR NEMA CONFIGURATION.		
	FRACTIONAL HP MOTOR STARTER WITH THERMAL OVERLOADS.		
	ELECTRICAL MOTOR.		
	HOMERUN TO PANELBOARD. NOTION INDICATES PANEL AND CIRCUIT NUMBER. ALL CONDUCTORS SHALL BE #10 UNLESS NOTED OTHERWISE.)		
	ELECTRICAL PANELBOARD.		
	JUNCTION BOX.		
	CONDUIT STUB-OUT AND CAP BELOW GRADE. MARK STUB-OUT AT GRADE LEVEL.		
	UNDERGROUND HIGH VOLTAGE OR SECONDARY SERVICE FEED.		
	SAFETY DISCONNECT SWITCH (NON-FUSED). 4X INDICATES ENCLOSURE TYPE.		
	SAFETY DISCONNECT SWITCH (FUSED).		
	COMBINATON MOTOR STARTER/DISCONNECT. WITH HOA SWITCH AT UNIT (FUSIBLE), OR (CIRCUIT BREAKER FOR ELEVATOR).		
	TRANSFORMER (NUMBER INDICATES WHICH TRANSFORMER).		
	HAND DRYER. VERIFY MOUNTING WITH SUPPLIER		
GENERAL			
	DETAIL # DETAIL REFERENCE TAG, DRAWING # REFER TO DETAIL SHEETS		
	KEYNOTE FOR DRAWING		
	DETAIL REFERENCE TAG (SECTION)		
	MECHANICAL EQUIPMENT TAG. REFER TO EQUIPMENT DATA SCHEDULE.		
	INDICATES NEW WORK.		
	INDICATES TO BE REMOVED.		
	INDICATES EXISTING TO REMAIN.		

ELECTRICAL INDEX OF DRAWINGS

SHEET NUMBER	SHEET NAME
E.E001	ELECTRICAL LEGEND AND GENERAL NOTES
E.E002	ELECTRICAL EQUIPMENT AND LIGHTING SCHEDULE
E.E100	SITE ELECTRICAL PLAN
E.E101	ELECTRICAL POWER PLAN - FIRST FLOOR
E.E102	ELECTRICAL POWER PLAN - SECOND FLOOR
E.E201	ELECTRICAL LIGHTING PLAN - FIRST FLOOR
E.E202	ELECTRICAL LIGHTING PLAN - SECOND FLOOR
E.E401	PANELBOARD SCHEDULES AND SINGLE LINE DIAGRAM
E.E501	ELECTRICAL DETAILS
E.E502	SITE ELECTRICAL DETAILS

1	Event Center & Site mBld	2023-11-21
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ELECTRICAL LEGEND AND GENERAL NOTES

	Comm. No.	Date
	22627.00	2023-11-21
Drawn	ATD	Drawing No.
Checked	R.L.S.	E.E001

EQUIPMENT ELECTRICAL DATA SCHEDULE																						
PLAN SYMBOL	DESCRIPTION/LOCATION	LOAD CHARACTERISTICS				STARTER					DISCONNECT				CTRL DEVICE			PANEL	CIRCUIT	FEEDER SIZE/RACEWAY	NOTES	PLAN SYMBOL
		KW	HP	VOLTAGE	PHASE	FLA	FLA	SPEED DRIVE	TYPE	MEMO SIZE	FURNISH BY	INSTALL BY	AXIAL RELAY	LOCATION	TYPE	FURNISH BY	INSTALL BY					
CU-1	AIR COOLED CONDENSING UNIT - FUR-1	-	-	240	1	22.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
CU-2	AIR COOLED CONDENSING UNIT - FUR-2	-	-	240	1	22.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
CU-3	AIR COOLED CONDENSING UNIT - FUR-3	-	-	240	1	20.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
CU-4	AIR COOLED CONDENSING UNIT - FUR-4	-	-	240	1	14.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
EF-1	EXHAUST FAN	-	1/10	120	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
EF-2	EXHAUST FAN	-	1/10	120	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
EF-3	EXHAUST FAN	.08	-	120	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
EH-1	ELECTRIC UNIT HEATER	5.0	-	240	1	20.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
ERV-1	ENERGY RECOVERY VENTILATOR	-	-	120	1	16.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
FUR-1	NATURAL GAS FURNACE - FIRST FLOOR	-	-	120	1	9.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
FUR-2	NATURAL GAS FURNACE - FIRST FLOOR	-	-	120	1	9.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
FUR-3	NATURAL GAS FURNACE - FIRST FLOOR	-	-	120	1	10.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
FUR-4	NATURAL GAS FURNACE - SECOND FLOOR	-	-	120	1	7.84	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
SP-1	ELEVATOR PIT SUMP PUMP	-	1/2	120	1	9.4	-	-	-	-	-	-	-	-	-	-	-	-	P2	14		
WH-1	INSTANTANEOUS GAS WATER HEATER	-	-	120	1	2.0	-	-	-	-	-	-	-	-	-	-	-	-	P2	15		
WH-2	INSTANTANEOUS GAS WATER HEATER	-	-	120	1	2.0	-	-	-	-	-	-	-	-	-	-	-	-	P2	15		

ABBREVIATIONS:
CC - CONTROL CONTRACTOR FS - FUSED SWITCH GC - GENERAL CONTRACTOR VC - VENTILATION CONTRACTOR
CP - CORD/PLUG FSC - FIRE SUPPRESSION CONTRACTOR HC - HEATING CONTRACTOR TS - THERMOSTAT
EC - ELECTRICAL CONTRACTOR FSEC - FOOD SERVICE EQUIP. CONTRACTOR PC - PLUMBING CONTRACTOR NFS - NON FUSED SWITCH
ES - EQUIPMENT SUPPLIER FVNR - FULL VOLTAGE NON-REVERSING SC - SPRINKLER CONTRACTOR SW - HORSEPOWER RATED SWITCH

NOTES:
1 - XXX

LIGHTING FIXTURE SCHEDULE																		
FIXTURE SYMBOL	FIXTURE VOLTAGE	FIXTURE INPUT WATTS	TEMPERATURE (K)	DELIVERED LUMENS	MANUFACTURER AND MODEL NUMBER	OTHER ACCEPTABLE MANUFACTURER	DIFFUSER MEDIA	CLASSIFICATION	TRIM COLOR				MOUNTING	SIZE (IN.)			NOTES	
									WHITE	NICKEL	CHROME	BRUSHED NICKEL		R/S	DIA	LENGTH		DEPTH
A1	UNV	11	3000	965	LUMENPULSE #LFP-CR-UL-120_277-12-10W-30K-80-90X90-CL-NF-DIM-NVR-SM-BK-NA	AS PRE-APPROVED	CLEAR GLASS	N				X		S	2.1875	12	3.25	-
A2	UNV	21	3000	1924	LUMENPULSE #LFP-CR-UL-120_277-24-10W-30K-80-90X90-CL-NF-DIM-NVR-SM-BK-NA	AS PRE-APPROVED	CLEAR GLASS	N				X		S	2.1875	24	3.25	-
A3	UNV	31	3000	2889	LUMENPULSE #LFP-CR-UL-120_277-36-10W-30K-80-90X90-CL-NF-DIM-NVR-SM-BK-NA	AS PRE-APPROVED	CLEAR GLASS	N				X		S	2.1875	36	3.25	-
A4	UNV	40	3000	3847	LUMENPULSE #LFP-CR-UL-120_277-48-10W-30K-80-90X90-CL-NF-DIM-NVR-SM-BK-NA	AS PRE-APPROVED	CLEAR GLASS	N				X		S	2.1875	48	3.25	-
B1	UNV	29	4000	3877	COLUMBIA #CBT24-LSCS	AS PRE-APPROVED	FROSTED ACRYLIC	N	X					-	24	48	1.72	-
BL1	UNV	18	4000	1608	LUMEC #PBL-42-14L-350-NW-G2-3-UNV-DD-BK	AS PRE-APPROVED	FROSTED ACRYLIC	N	X					-	24	48	1.72	-
D1	UNV	30	4000	4274	COLUMBIA #CSL4-LSCS	AS PRE-APPROVED	FROSTED ACRYLIC	N	X					-	2.25	48	2.69	-
F1	UNV	10	3000	930	GREEN CREATIVE #SLFT9CCTSS/DUALDIM	AS PRE-APPROVED	CLEAR POLYCARBONATE	-	X				R	6	DIA	4.9375	-	
F2	UNV	17	3000	1580	GREEN CREATIVE #SLFT9CCTSS/DUALDIM	AS PRE-APPROVED	CLEAR POLYCARBONATE	-	X				R	6	DIA	4.9375	-	
F6	UNV	20	3000	2313	LUMENPULSE #LFRS-A-FD-120-R-4-20-30K-80-M-DA1-SB-MBK-RD-MBK-IC-1-WET-CL	AS PRE-APPROVED	CLEAR POLYCARBONATE	-	X				R	6	DIA	4.9375	-	
LP1	-	-	-	-	LUMEC #AMB12-GFII-BKTX	CENTERVILLE STANDARD	-	N					2	POLE	4	DIA	144	10
LS1	120	14.5	3000	900	WAC LANDSCAPE #5012-30-BK	AS PRE-APPROVED	CLEAR GLASS	N				5	PT	2.875	DIA	6.125	9	
P7	UNV	36	3000	1800	SONNEMAN #2977.25C	AS PRE-APPROVED	CLEAR GLASS	N				5	S	51	DIA	11.5	6	
P8	UNV	396	2700	27280	CAMMAN #CH37781 MOD	AS PRE-APPROVED	OPEN	N				5	S	72	DIA	24	6	
P9	UNV	180	2700	12400	CAMMAN #CH37781 MOD	AS PRE-APPROVED	OPEN	N				5	S	48	DIA	24	6	
PT1	UNV	71	4000	8391	LUMEC #MPTR-70W64LED4K-G3-LE3W-120-DMG-BKTX	CENTERVILLE STANDARD	CLEAR GLASS	N				2	PT	20.125	DIA	38.5	10	
PT2	UNV	71	4000	8274	LUMEC #MPTR-70W64LED4K-G3-LE3W-120-DMG-BKTX	CENTERVILLE STANDARD	CLEAR GLASS	N				2	PT	20.125	DIA	38.5	10	
SL1	UNV	-	-	-	OWNER PROVIDED, CONTRACTOR INSTALLED	-	-	N					X	PT	2	284	2	8
UL1	UNV	61	RGB	1339	LUMENPULSE #LOI-120/277-48-RGBW30K-WW-TS2.5-DMX/RDM	AS PRE-APPROVED	CLEAR GLASS	N				X	R	2	284	2	-	
WS6	UNV	10	3000	500	KOHLER #K-23463-SCLE-2GL	AS PRE-APPROVED	FROSTED GLASS	N				7	WM	1	DIA	18	-	
X1	UNV	-	-	-	COMPASS #CCR	AS PRE-APPROVED	EMERGENCY EGRESS	EM	X				UNIVERSAL	19.25	8.125	1.75	-	
X2	UNV	-	-	-	EVENLITE #SOVI-EM-R-1C-BA-MU-UC	AS PRE-APPROVED	EMERGENCY EGRESS	EM	X				UNIVERSAL	13.75	12	3	1	
ER	UNV	-	-	-	COMPASS #CORS	AS PRE-APPROVED	EMERGENCY EGRESS	EM	X				WM-8'-0"	4.5	DIA	6.7	-	
W-17	UNV	-	-	-	COMPASS #CU2	AS PRE-APPROVED	EMERGENCY EGRESS	EM	X				WM-8'-0"	4	9	2.75	-	

NOTES:
1. SPECIAL MULLION MOUNT REQUIRED FOR TYPE X2 EXIT SIGNS.
2. FIXTURE AND POLE FINISH SHALL BE BLACK.
3. PROVIDE TYPE LP1 LIGHT POLE.
4. PROVIDE TYPE LP2 LIGHT POLE.
5. BLACK.
6. REFER TO ARCHITECTURAL DRAWINGS FOR PENDANT, CHANDELIER, AND WALL SCONCE MOUNTING HEIGHTS.
7. BRUSHED MODERNE BRASS
8. COORDINATE INSTALLATION AND CONNECTION REQUIREMENTS WITH OWNER PROVIDED, UL LISTED, STRING LIGHTS.
9. PROVIDE POWER STAKE ACCESSORY FOR INSTALLATION OF ACCENT LIGHT.
10. RUSTIC IRON.

1	Event Center & Site mBld	2023-11-21
No.	Revisions / Submissions	Date

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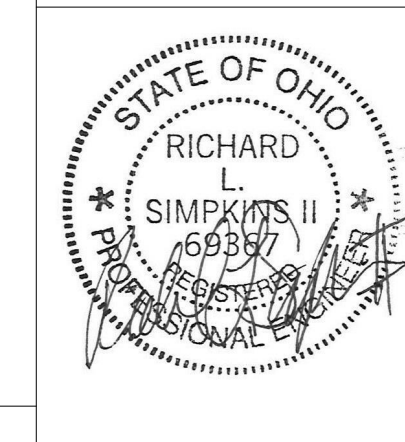
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CLIENT BUILDING

Benham's Grove Event Center

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ELECTRICAL EQUIPMENT AND LIGHTING SCHEDULE

Comm. No.	22627.00	Date	2023-11-21
Drawn	ATD	Drawing No.	E.E002
Checked	RLS		





① EVENT CENTER SITE ELECTRICAL PLAN
1" = 30'-0"

○ SHEET NOTES:

1. CONNECT CIRCUIT TO GFCI RECEPTACLE PROVIDED WITH LIGHT POLE.
2. PROVIDE 11"x7"x18" IN-GRADE JUNCTION BOX. PROVIDE (2) 1" SCH. 40 PVC CONDUITS WITH PULLSTRINGS FROM JUNCTION BOX TO BELOW PANELS IN ADDITION TO EACH RECEPTACLE AND LIGHTING CIRCUIT.
3. PROVIDE (2) #6, #8G IN 1" SCH 40 PVC CONDUIT FOR RECEPTACLE CIRCUIT.
4. PROVIDE WEATHERPROOF WHILE-IN-USE RECEPTACLE AT TOP OF POLE FOR OWNER PROVIDED STRING LIGHTS.
5. PROVIDE (2) RECEPTACLE CIRCUITS IN THIS TRENCH.
6. PROVIDE (2) #6, #8G IN 1" SCH 40 PVC CONDUIT FOR LIGHTING CIRCUIT.
7. INTERCEPT EXISTING LIGHTING CIRCUIT AND PLACE NEW POLE ON NEW CONCRETE BASE.
8. APPROXIMATE LOCATION OF EXISTING ELECTRICAL IN-GRADE JUNCTION BOX.
9. EXTEND EXISTING CONDUIT AND PROVIDE NEW CONDUCTORS TO EXISTING JUNCTION BOX. (2) #6, #8G.
10. PARKING ALTERNATE: REMOVE AND REPLACE EXISTING POLE AND CONCRETE FOUNDATION IN PLACE. PULL BACK CONDUCTORS AND UTILIZE EXISTING CIRCUITS.

GENERAL NOTES:

KEY PLAN:

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	Revisions / Submissions	Date

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SITE ELECTRICAL PLAN

	Comm. No.	Date
	22627.00	2023-11-21
	Drawn	Drawing No.
	ATD	E.E100
Checked	RLS	



① FIRST FLOOR POWER PLAN - NEW WORK
1/8" = 1'-0"

- SHEET NOTES:
1. PROVIDE ON-GRADE, 2-GANG FLOOR BOX WITH 6" ROUND COVER. COVER SHALL BE FLUSH WITH FLOOR WHILE IN USE. LEGRAND #RFB2E-OG WITH #6CTC2AA COVER.
 2. REFER TO ELEVATOR HOISTWAY DETAIL #1/E501 FOR MAINTENANCE RECEPTACLE LOCATION.
 3. PROVIDE DEDICATED 20A-120V CIRCUIT FOR ELEVATOR CAB POWER.
 4. PROVIDE RIGID SUPPORT FOR MAINTENANCE RECEPTACLE AND EQUIPMENT DISCONNECTS.
 5. PARTIAL RECEPTACLE CIRCUIT.
 6. PROVIDE RIGID CONDUIT 6" ABOVE GRADE WITH CAST METAL EXTERIOR RATED, WHILE-IN-USE COVER.
 7. PROVIDE PHASE CONVERTER FOR 240V-1PH TO 240V-3PH. PHASE PERFECT #PTS007 OR EQUAL. COORDINATE WITH ELEVATOR MANUFACTURER PRIOR TO ORDERING.

GENERAL NOTES:

KEY PLAN:

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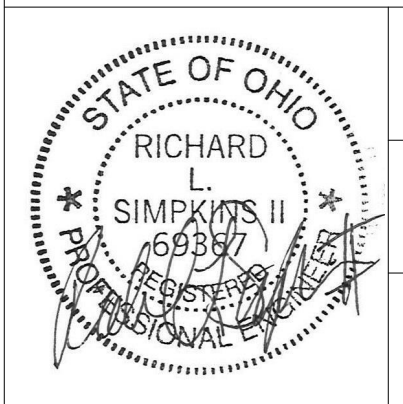
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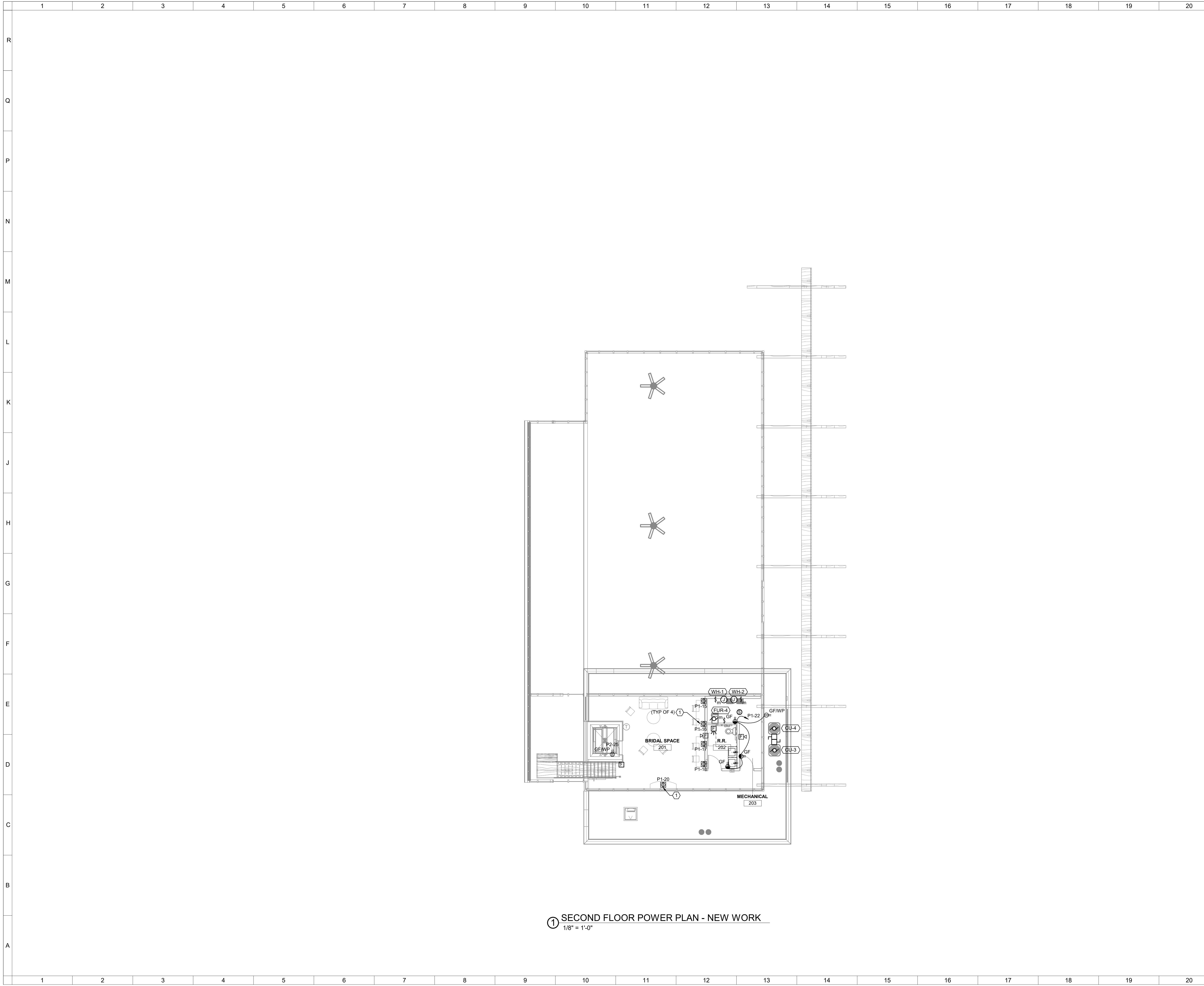
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ELECTRICAL POWER PLAN - FIRST FLOOR

Comm. No.	Date
22627.00	2023-11-21
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ATD	E.E101
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① SECOND FLOOR POWER PLAN - NEW WORK
1/8" = 1'-0"

○ SHEET NOTES:

1. PROVIDE FLIP-UP, COUNTER MOUNTED TABLE BOX WITH COMBINATION USB RECEPTACLE. LEGRAND 8DQF-F-20A-UJ-ST OR APPROVED EQUAL.

GENERAL NOTES:

KEY PLAN:

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	Revisions / Submissions	Date

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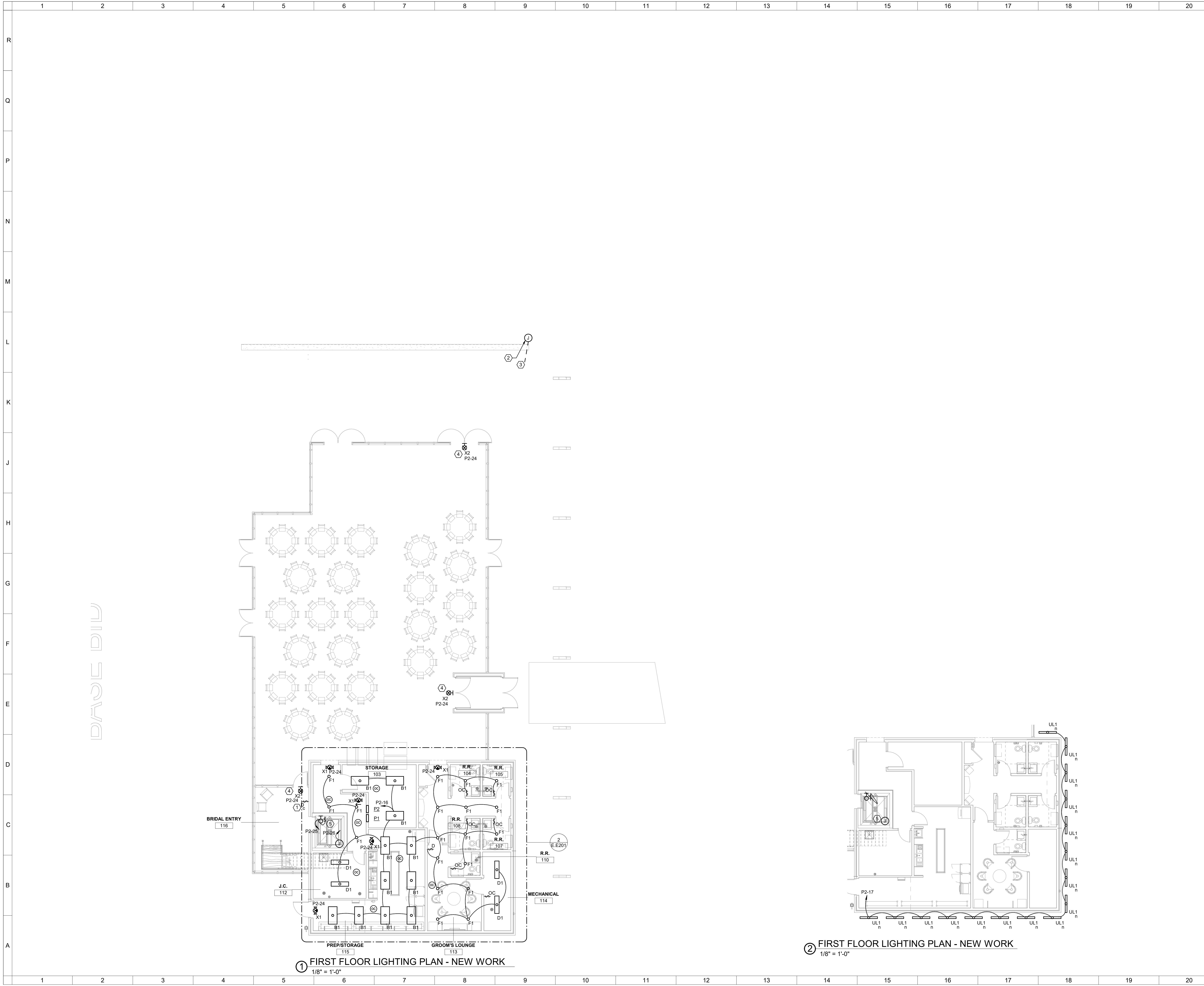
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ELECTRICAL POWER PLAN - SECOND FLOOR

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	Drawn	Drawing No.
	ATD	E.E102
Checked	RLS	



- SHEET NOTES:
- REFER TO SECOND FLOOR LIGHTING PLAN FOR LIGHTING FIXTURES SERVED BY THIS CONTROL.
 - PROVIDE IN-GRADE JUNCTION BOX QUAZITE #PG1118BA18 WITH HEAVY DUTY COVER LABELED "ELECTRIC" OR EQUAL.
 - PROVIDE (4) 1" SCH 40 PVC CONDUITS WITH PULLSTRINGS TO PANEL P2.
 - CONCEAL WIRING IN MULLION AS POSSIBLE.
 - REFER TO HOISTWAY ELECTRICAL DETAIL #1/E501 FOR ELEVATOR SHAFT LIGHTING REQUIREMENTS.

- GENERAL NOTES:
- REFER TO LIGHTING CONTROL DETAILS, SHEET E.E501, FOR REQUIREMENTS.
 - REFER TO SITE ELECTRICAL PLAN, ES101, FOR PATIO AND LANDSCAPE LIGHTING REQUIREMENTS.

KEY PLAN:

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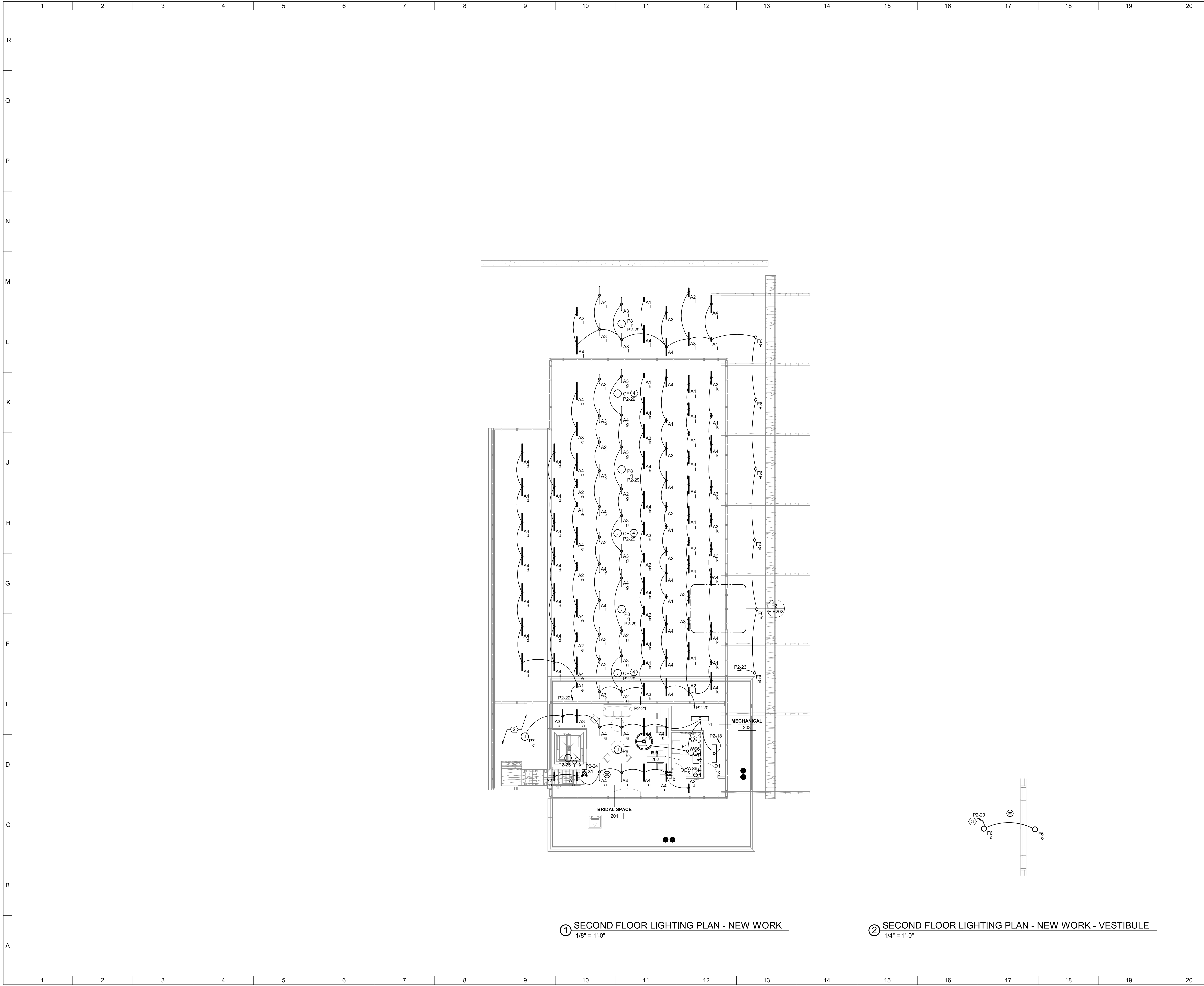
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ELECTRICAL LIGHTING PLAN - FIRST FLOOR

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	ATD	E.E201
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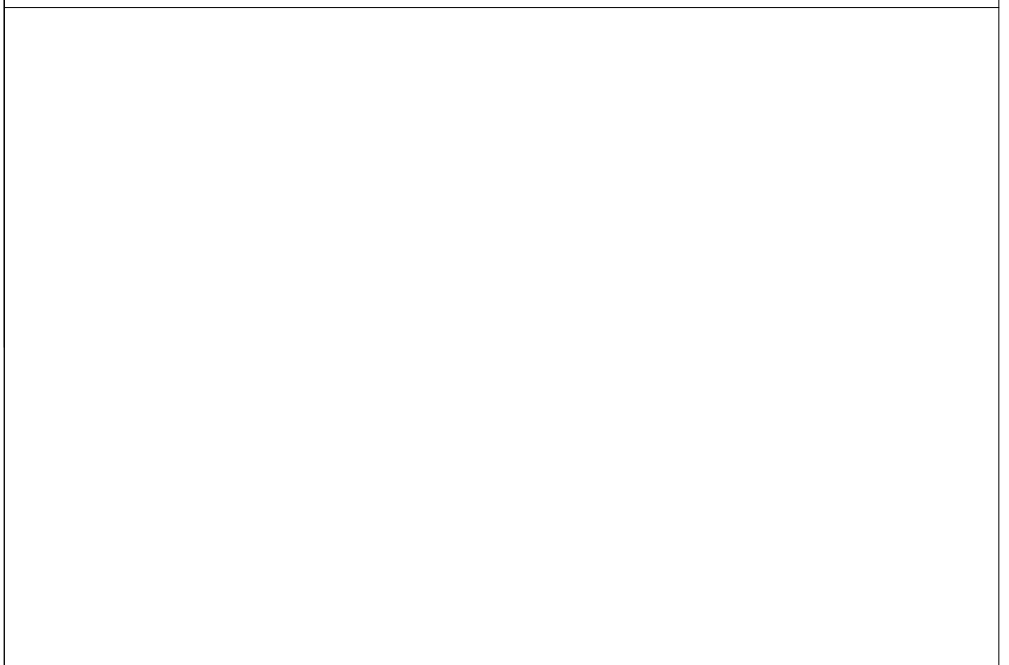
○ SHEET NOTES:

1. REFER TO HOISTWAY ELECTRICAL DETAIL #/E501 FOR ELEVATOR SHAFT LIGHTING REQUIREMENTS.
2. REFER TO FIRST FLOOR LIGHTING PLAN FOR CONTROLS IN THIS SPACE.
3. PARTIAL LIGHTING CIRCUIT, REFER TO SECOND FLOOR LIGHTING PLAN FOR CONTINUANCE.
4. PROVIDE CEILING FAN RATED JUNCTION BOX AND BRACING. PROVIDE PATHWAY TO FAN CONTROLLER ADJACENT TO LIGHTING CONTROLS. REFER TO HVAC PLANS FOR CEILING FAN SPECIFICATIONS.

GENERAL NOTES:

- A. REFER TO LIGHTING CONTROL DETAILS, SHEET E.E501, FOR REQUIREMENTS.

KEY PLAN:



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ELECTRICAL LIGHTING PLAN - SECOND FLOOR

Comm. No.	Date
22627.00	2023-11-21
Drawn	Drawing No.
ATD	E.E202
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① SECOND FLOOR LIGHTING PLAN - NEW WORK
1/8" = 1'-0"

② SECOND FLOOR LIGHTING PLAN - NEW WORK - VESTIBULE
1/4" = 1'-0"

Branch Panel: P1

Location: STORAGE 103
Supply From:
Mounting: Recessed
Enclosure:

Volts: 120/240 Single
Phases: 1
Wires: 3

A.I.C. Rating:
Mains Type: MCB
Mains Rating: 225 A
MCB Rating: 225 A

Notes:

CKT	Circuit Description	Trip	Poles	A	B	Poles	Trip	Circuit Description	CKT
1	RCPT - KITCHEN COUNTER	20 A	1	540	1056		15 A	RCPT - ICE MAKER	2
3	RCPT - KITCHEN COUNTER	20 A	1		1200	1200	1	20 A RCPT - KITCHEN COUNTER	4
5	RCPT - KITCHEN COUNTER	20 A	1	1200	1200		1	20 A RCPT - KITCHEN COUNTER	6
7	RCPT - KITCHEN COUNTER	20 A	1		1200	1500	1	20 A RCPT - KITCHEN COUNTER	8
9	RCPT - KITCHEN COUNTER	20 A	1	1200	1200		1	20 A RCPT - KITCHEN COUNTER	10
11	RCPT - KITCHEN COUNTER	20 A	1		1200	1200	1	20 A RCPT - KITCHEN COUNTER	12
13	RCPT - KITCHEN COUNTER	20 A	1	1200	1200		1	20 A RCPT - KITCHEN COUNTER	14
15	RCPT - BRIDAL COUNTER	20 A	1		180	180	1	20 A RCPT - BRIDAL COUNTER	16
17	RCPT - BRIDAL COUNTER	20 A	1	180	180		1	20 A RCPT - BRIDAL COUNTER	18
19	RCPT - GROOM ROOM	20 A	1		720	180	1	20 A RCPT - BRIDAL COUNTER	20
21	RCPT - RESTROOMS / CORRIDOR	20 A	1	900	720		1	20 A RCPT - BRIDAL RM / MECH RM	22
23	RCPT - STORAGE	20 A	1		1080	900	1	20 A RCPT - RESTROOMS / MECH RM	24
25	RCPT - EVENT SPACE FLOORBOX	20 A	1	360	1080		1	20 A RCPT - BRIDAL / MECH RM / CORRIDOR	26
27	RCPT - EVENT SPACE FLOORBOX	20 A	1		360	360	1	20 A RCPT - EVENT SPACE FLOORBOX	28
29	RCPT - EVENT SPACE FLOORBOX	20 A	1		360	360	1	20 A RCPT - EVENT SPACE FLOORBOX	30
31	RCPT - EVENT SPACE FLOORBOX	20 A	1		360	360	1	20 A RCPT - EVENT SPACE FLOORBOX	32
33	RCPT - EVENT SPACE FLOORBOX	20 A	1		360	360	1	20 A RCPT - EVENT SPACE FLOORBOX	34
35	RCPT - EVENT SPACE FLOORBOX	20 A	1		360	360	1	20 A RCPT - EVENT SPACE FLOORBOX	36
37	RCPT - EXTERIOR	20 A	1	360	360		1	20 A RCPT - EVENT SPACE FLOORBOX	38
39	RCPT - EXTERIOR POLES	20 A	1		540	360	1	20 A RCPT - EVENT SPACE FLOORBOX	40
41	RCPT - EXTERIOR POLES	20 A	1	360	0		1	20 A SPARE	42
43	RCPT - EXTERIOR POLES	20 A	1		360	0	1	20 A SPARE	44
45	SPARE	20 A	1	0	0		1	20 A SPARE	46
47	SPARE	20 A	1		0	0	1	20 A SPARE	48
49	SPARE	20 A	1	0	0		1	20 A SPARE	50
51	SPARE	20 A	1		0	0	1	20 A SPARE	52
53	SPARE	20 A	1	0	0		1	20 A SPARE	54
Total Load:				14736 VA		14160 VA			
Total Amps:				123 A		118 A			

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Kitchen Equipment - Non-Dwelling Unit	16296 VA	65.00%	10592 VA	
Receptacle	12600 VA	89.68%	11300 VA	
				Total Conn. Load: 28896 VA
				Total Est. Demand: 21892 VA
				Total Conn.: 120 A
				Total Est. Demand: 91 A

Notes:

Branch Panel: P2

Location: STORAGE 103
Supply From:
Mounting: Recessed
Enclosure:

Volts: 120/240 Single
Phases: 1
Wires: 3

A.I.C. Rating:
Mains Type: MCB
Mains Rating: 225 A
MCB Rating: 225 A

Notes:

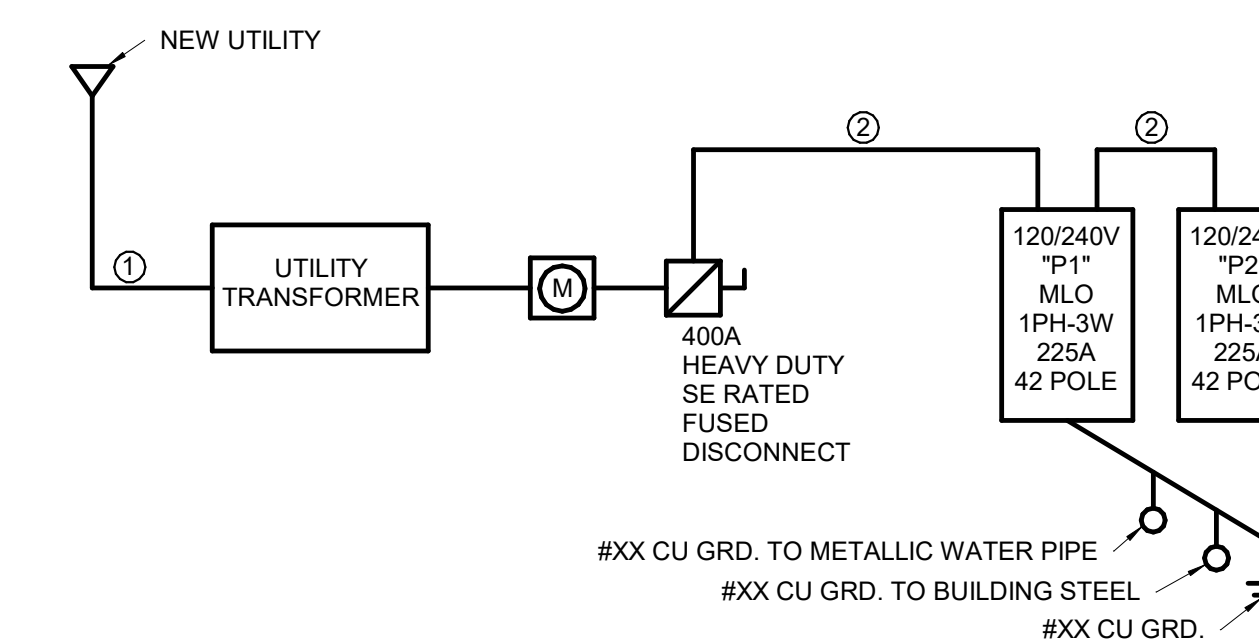
CKT	Circuit Description	Trip	Poles	A	B	Poles	Trip	Circuit Description	CKT
1	CU-1	40 A	2	3360	3360		2	40 A CU-2	2
3		--	--		3360	3360	--	--	4
5	CU-3	40 A	2	3132	2112		2	25 A CU-4	6
7		--	--		3132	2112	--	--	8
9	FUR-1	20 A	1	1440	1440		1	20 A FUR-2	10
11	FUR-3	20 A	1		1548	1176	1	15 A FUR-4	12
13	ERV-1	25 A	1	2436	1152		1	20 A SP-1	14
15	WH-1 / WH-2	20 A	1		480	705	1	20 A LTG - FIRST FLOOR	16
17	LTG - IN-GRADE UPLIGHTING	20 A	1	976	675		1	20 A LTG - SECOND FLOOR	18
19	LTG - OUTDOOR STRING LIGHT	20 A	1		456	1098	1	20 A LTG - EVENT SPACE - EAST	20
21	LTG - EVENT SPACE - CENTRAL	20 A	1	1021	876		1	20 A LTG - EVENT SPACE - WEST	22
23	LTG - EXTERIOR	20 A	1		539	20	1	20 A LTG - EXIT SIGNS	24
25	LTG / RCPT - ELEVATOR HOISTWAY	20 A	1	360	180		1	20 A LTG - ELEVATOR CAB	26
27	RCPT - ELEVATOR CAB	20 A	1		180	2000	2	60 A ELEVATOR	28
29	EVENT SPACE CEILING FANS	20 A	1	1080	2000		--	--	30
31	RCPT - EXTERIOR MAINTENANCE	20 A	1		540	666	1	20 A LTG - PARKING LOT POLES AND BOLLARDS	32
33									34
35									36
37	SPARE	20 A	1	0	0		1	20 A SPARE	38
39	SPARE	20 A	1		0	0	1	20 A SPARE	40
41	SPARE	20 A	1	0	0		1	20 A SPARE	42
Total Load:				25600 VA		21307 VA			
Total Amps:				213 A		178 A			

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Elevator	4000 VA	100.00%	4000 VA	
HVAC	32988 VA	100.00%	32988 VA	
Motor	1152 VA	125.00%	1440 VA	
Other	0 VA	0.00%	0 VA	
Receptacle	1440 VA	100.00%	1440 VA	
Lighting	7331 VA	100.00%	7331 VA	
				Total Conn. Load: 46906 VA
				Total Est. Demand: 47194 VA
				Total Conn.: 195 A
				Total Est. Demand: 197 A

Notes:

- ① FEEDER SCHEDULE
- ② BY UTILITY
- ③ 2 SETS OF (3) 250 MCM AL, #1/0 AL IN 3" C. EACH



① SINGLE-LINE DIAGRAM
1 1/2" = 1'-0"

Event Center & Site mBld		2023-11-21
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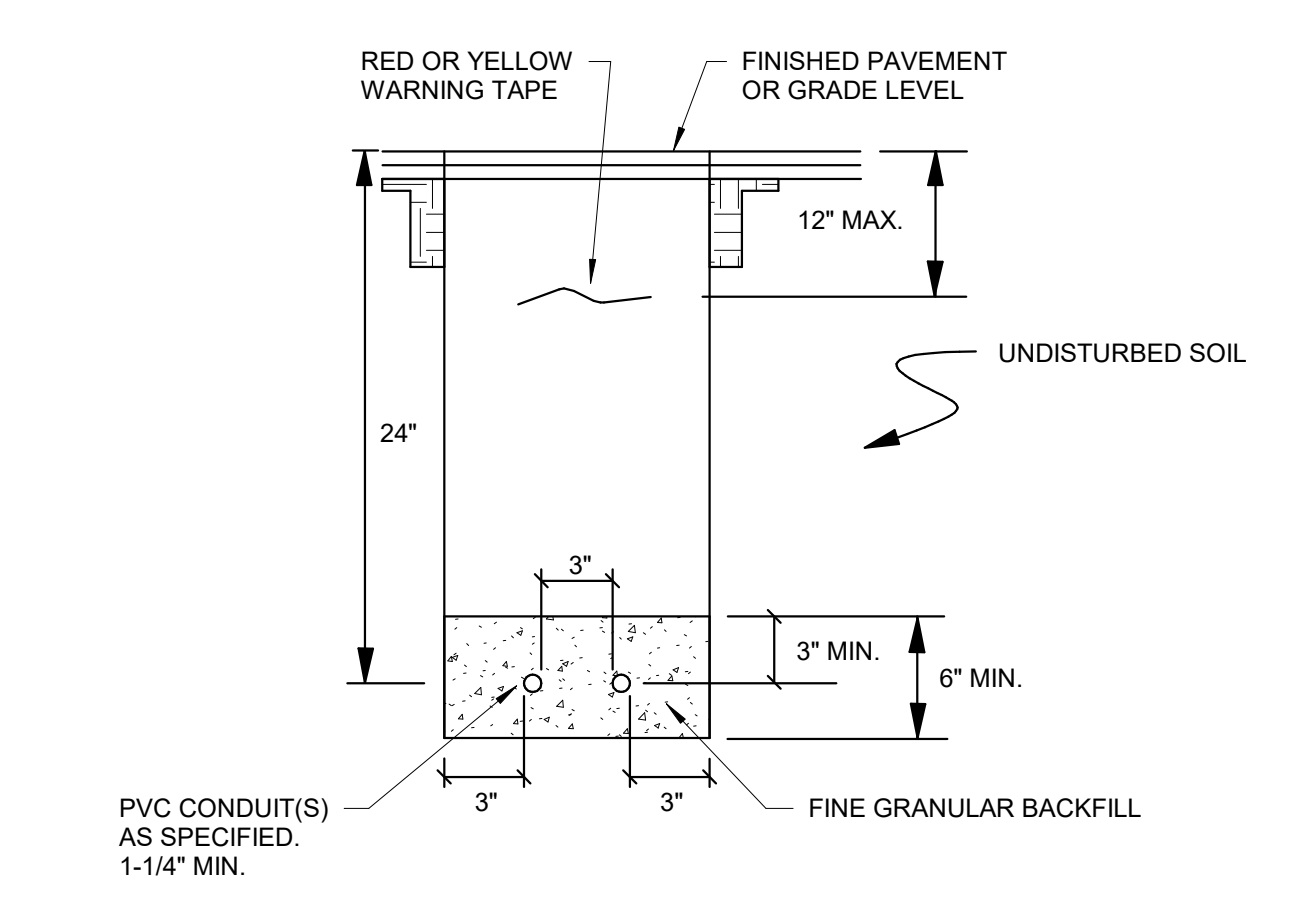
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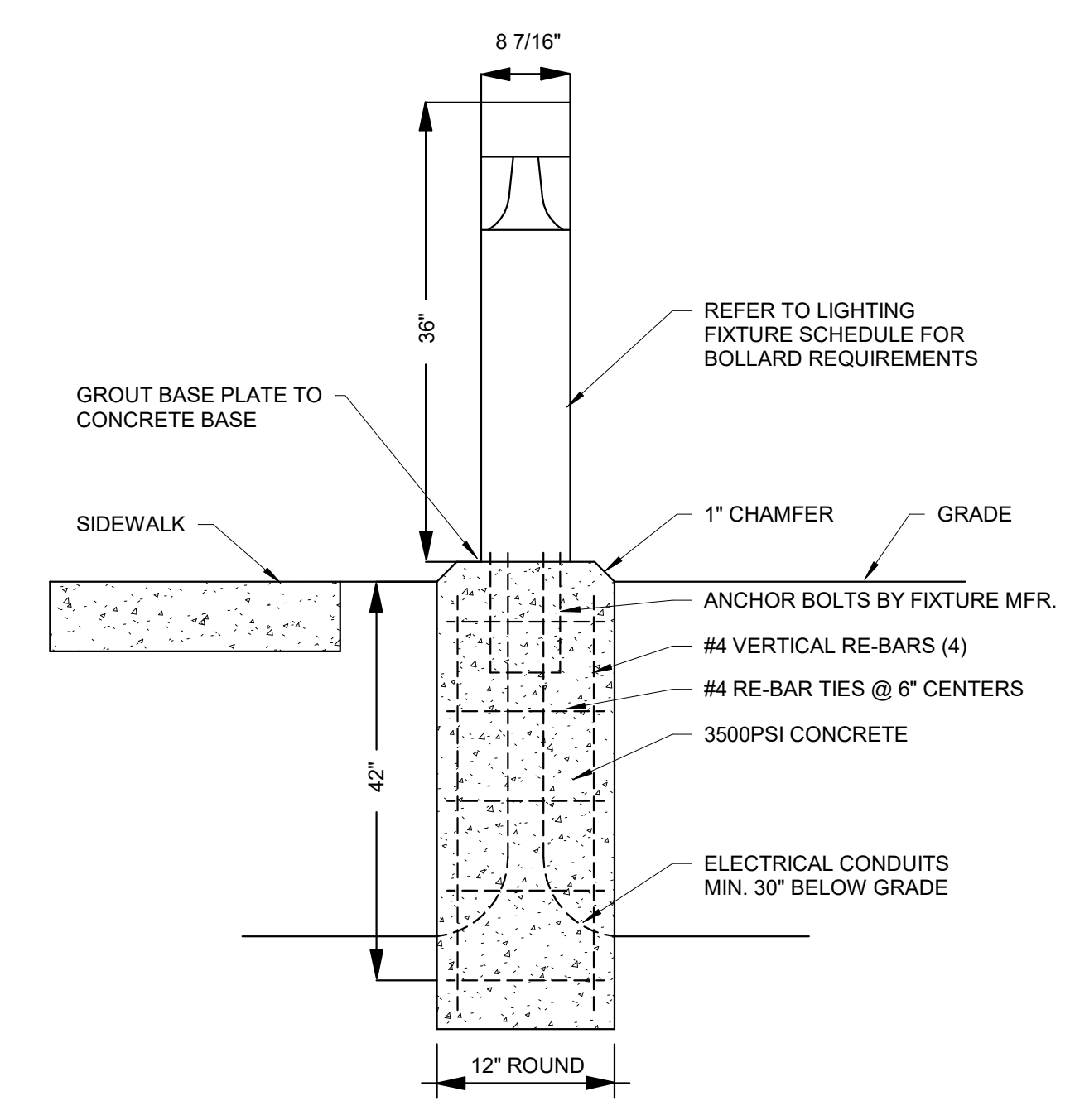
**PANELBOARD SCHEDULES AND SINGLE LINE
DIAGRAM**

Comm. No.	Date
22627.00	2023-11-21
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ATD	E.E401
Checked	RLS

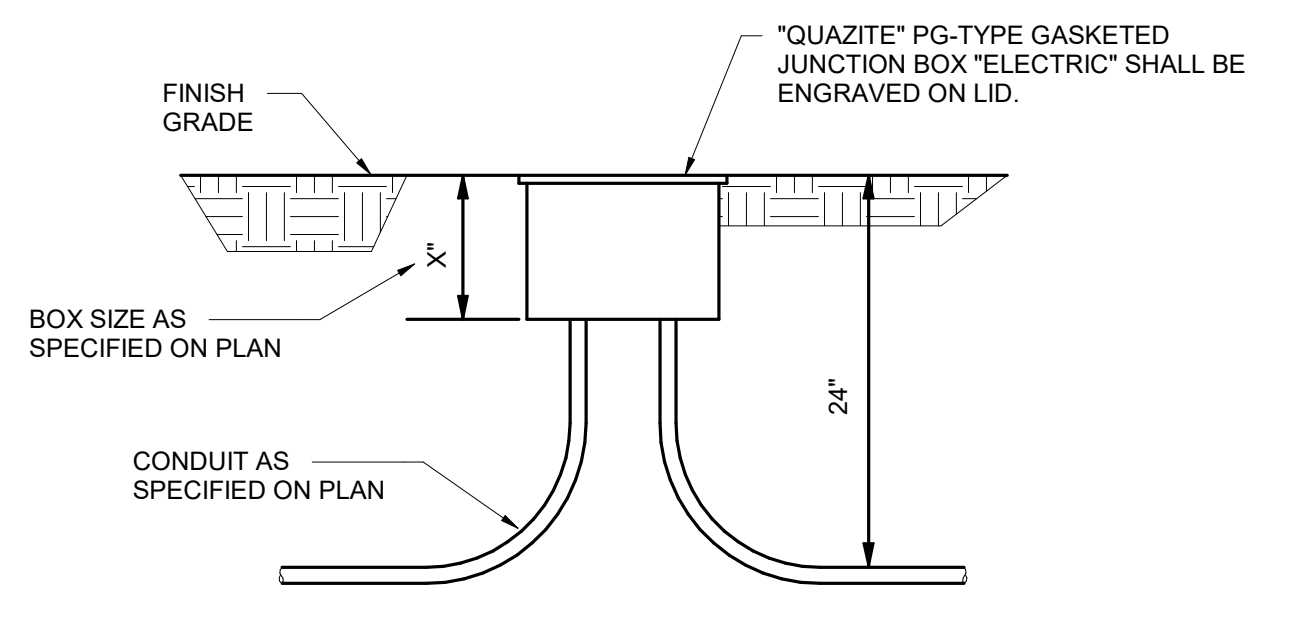
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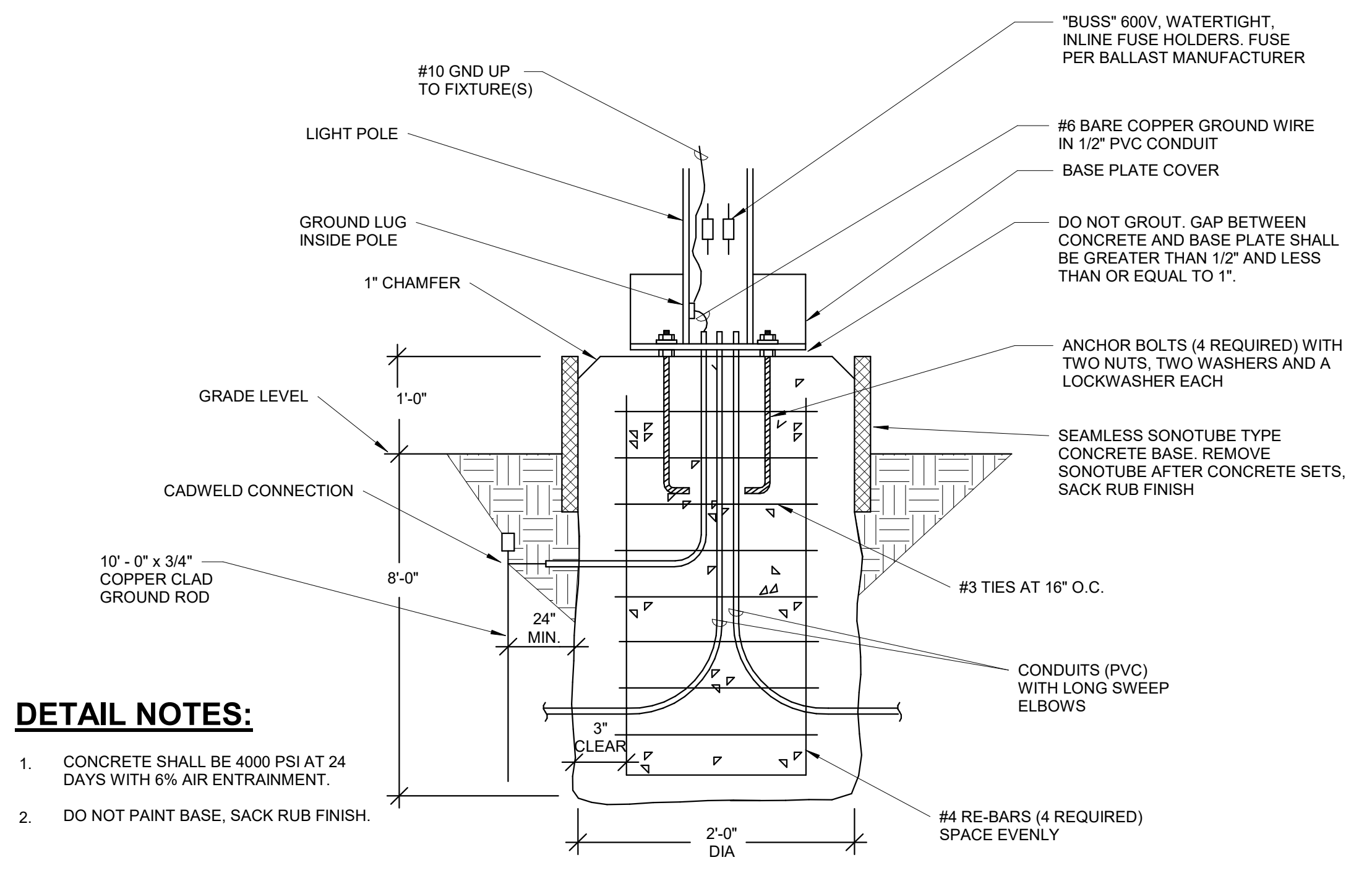
④ BRANCH CIRCUIT UNDERGROUND CONDUITS
NTS



② LIGHTING BOLLARD DETAIL
NTS



③ JUNCTION BOX DETAIL
NTS



DETAIL NOTES:

1. CONCRETE SHALL BE 4000 PSI AT 24 DAYS WITH 6% AIR ENTRAINMENT.
2. DO NOT PAINT BASE, SACK RUB FINISH.

① PARKING LOT POLE BASE
NTS

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SITE ELECTRICAL DETAILS

Comm. No.	Date
22627.00	2023-11-21
Drawn	Drawing No.
ATD	E.E502
Checked	RLS

