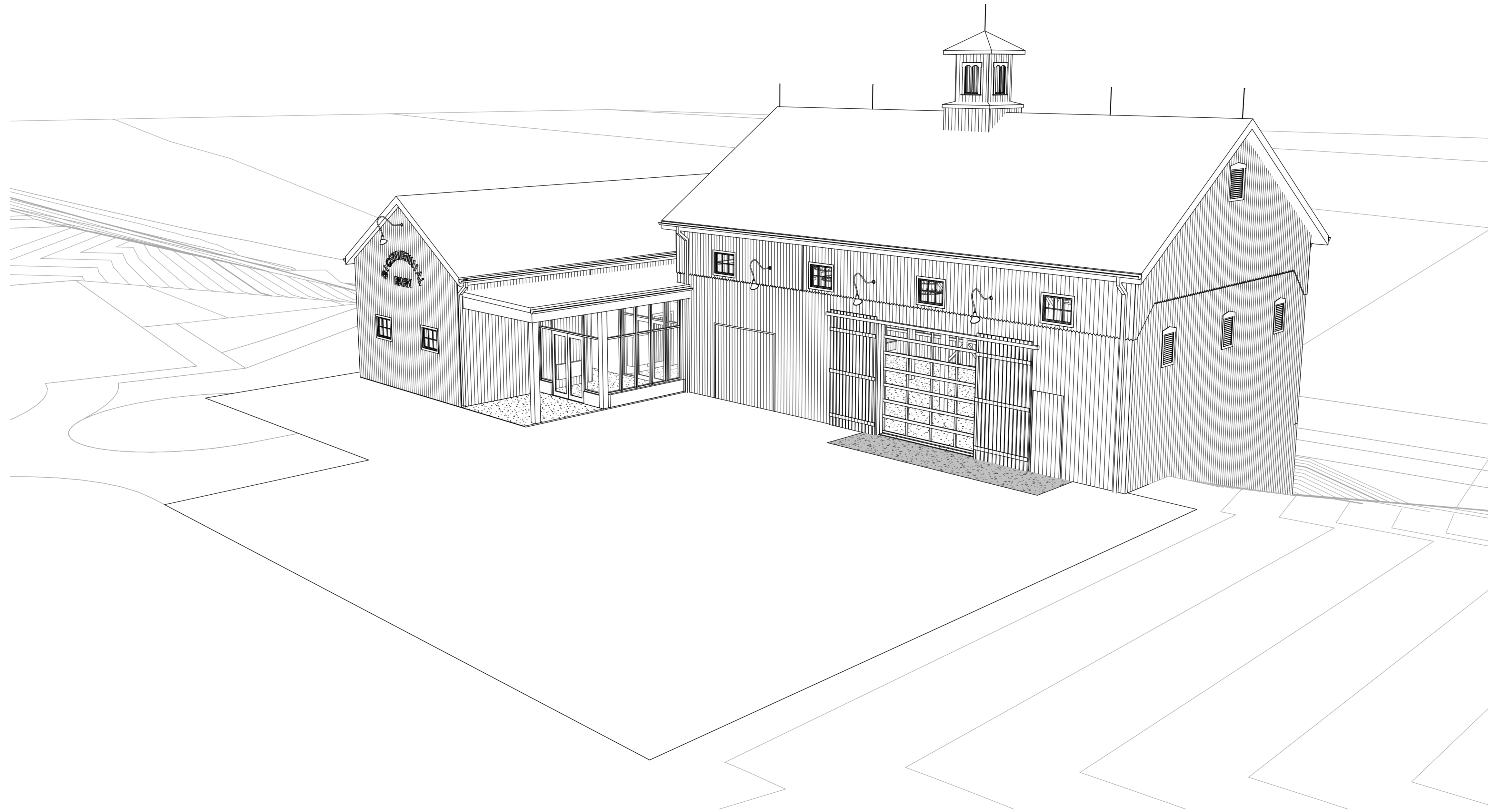


Bicentennial Barn - McCammon Creek Park

6844 Bale Kenyon Road
Lewis Center, OH 43035



BID SET / PERMIT SET
02/14/2025

**SCHOOLEY
CALDWELL**

ARCHITECTURE. INSPIRED.

300 Marconi Boulevard T 614-628-0300
Columbus OH 43215 F 614-628-0311
schooleycaldwell.com

Consultants:

Civil, Structural & MEPT
Korda/Nemeth Engineering
1620 Watermark Drive, Columbus, OH 43215
614-487-1650

Barn Consultant
Mt. Vernon Barn Co.
7676 Co Rd 19, Fredericktown, OH 43019
614-634-2049

Drawing Issue Dates:

Design Development Submittal
11/17/2023

50% Construction Documents
07/19/2024

90% Construction Documents
01/15/2025

Bid Set / Permit Set
02/14/2025

Revision Schedule

#	Description	Date
---	-------------	------

**Bicentennial Barn -
McCammon Creek
Park**

6844 Bale Kenyon Rd
Lewis Center, OH 43035



Kalpa Baghasingh, License #1516341
Expiration Date 12/31/2025

Cover Sheet

General

G000

02/14/2025

23070

Abbreviations

Table with 3 columns of abbreviations and their full names. Includes categories like &, @, #, A/C, ADD'L, ADJ, etc.

Symbols

Diagrams and symbols for SITE, ARCHITECTURAL, ROOM, Door Number, Window/Louver Type, Partition Type, Datum Point, Building/Wall Section, Elevation, Detail, Photograph Call-out, Coded Note, Alternate Tag, Finish Tag, Revision Mark, and North Arrow.

Material Indications

Material Indication diagrams for Brick (elevation/section), Concrete, Concrete Block (section), Earth, Existing Construction, U.N.O., Finish wood (section), Gravel fill, Gypsum Board, Marble, Metal 1/2" and larger, Metal 1/2" and smaller, Plaster, Plywood, Rigid insulation, and Rough wood.

Drawing Index

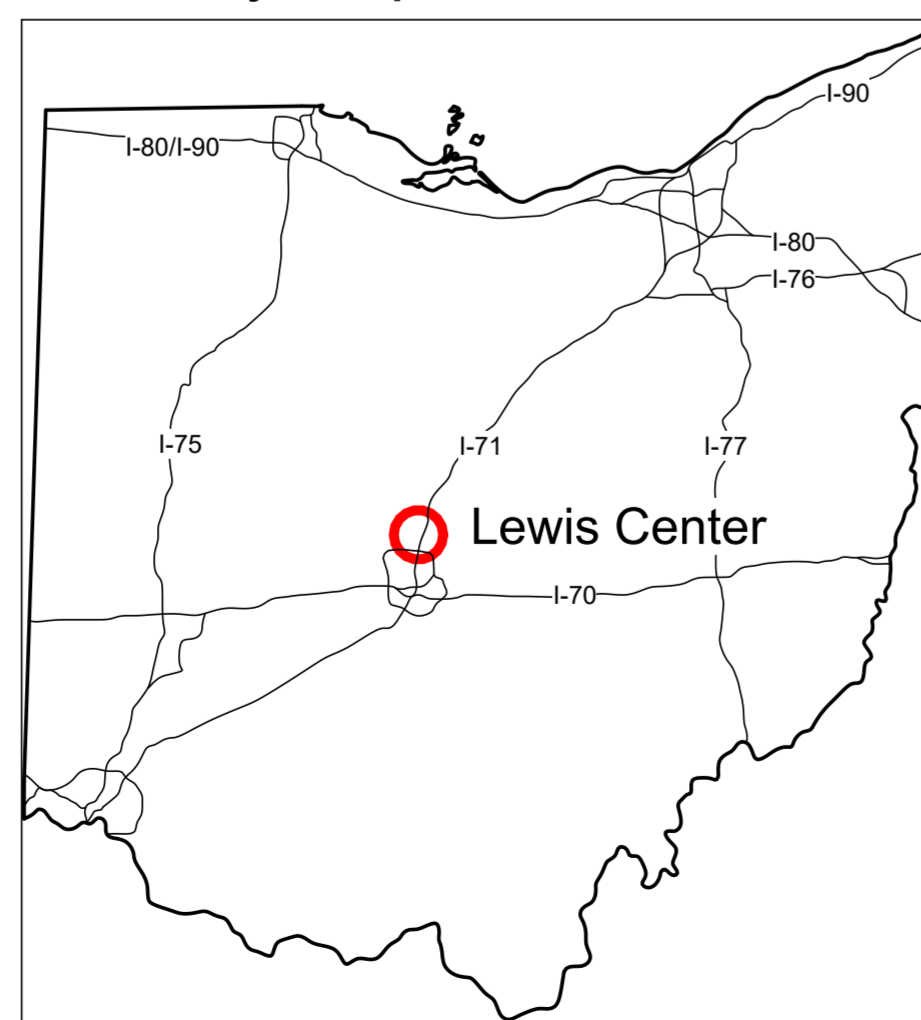
Table listing drawing titles and sheet numbers, categorized by discipline: 01 - General, 02 - Civil, 03 - 5 Architectural, 04 - Architectural, 05 - Electrical, 06 - Structural, 07 - Fire Protection, 08 - Plumbing, 09 - Mechanical, 10 - Electrical, 11 - Technology.

Project Keynotes

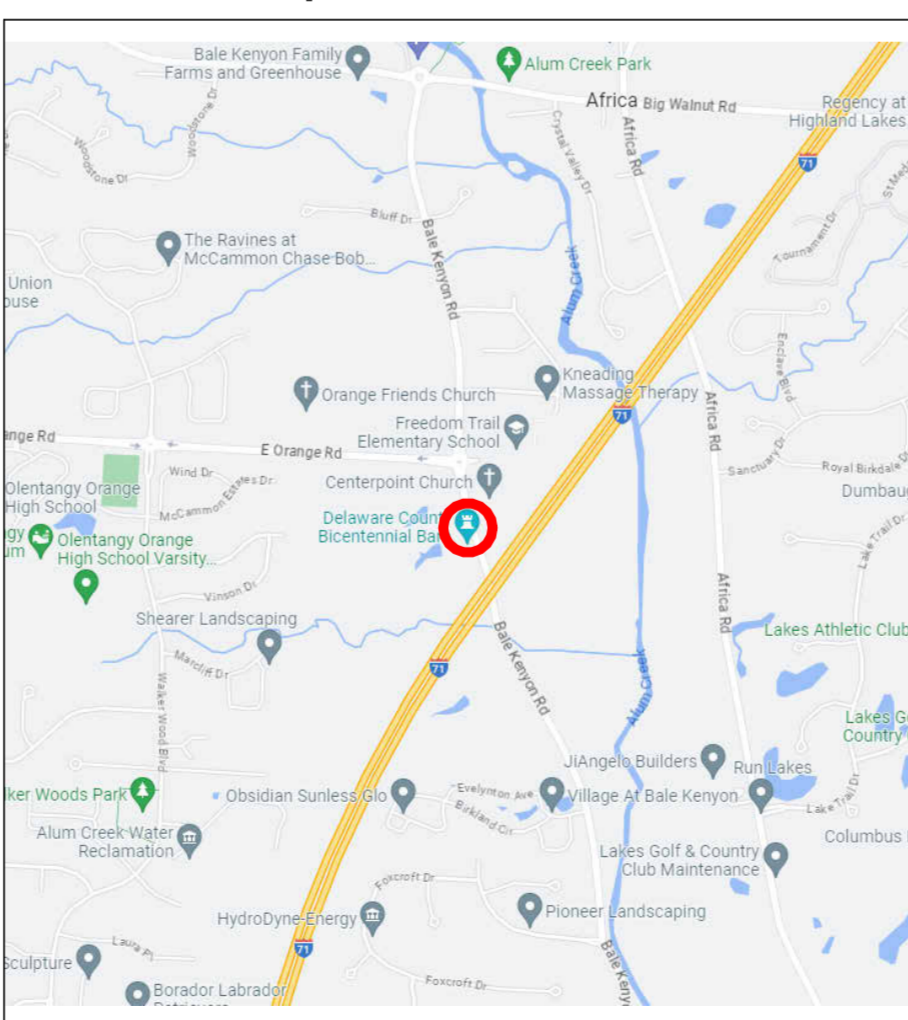
Table of project keynotes with columns for quantity, description, and material. Includes items like ROUGH CARPENTRY, THERMOPLASTIC MEMBRANE ROOFING, JOINT SEALANTS, etc.

Table of project keynotes with columns for quantity, description, and material. Includes items like HIGH PERFORMANCE COATING, TOILET COMPARTMENTS, PAPER TOWEL DISPENSER, etc.

Vicinity Map



Area Map



Alternates

- 5. GRAVEL PATIO IN LIEU OF GRASS
Base Bid: Prepare area and provide top soil and grass preparation in area identified as patio area.
Alternate Bid: Provide gravel as finish surface over aggregate base on compacted subgrade per sheet C106, Detail A.

General Notes

- 1. Schedules: Partition Type Schedule see drawing A020. Exterior and Interior Window and Louver Schedule see drawing A600. Door and Frame Schedule see drawing A610.
2. All dimensions shall be verified at the job by the General Contractor and each Sub-Contractor and the Architect must be notified of any discrepancies before proceeding with the work.

Owner Provided Items

- OWNER PROVIDED EQUIPMENT TO BE INSTALLED BY THE CONTRACTOR. COORDINATE FINAL LOCATIONS WITH ARCHITECT AND OWNER PRIOR TO INSTALLATION.
1. Donor Plaques
2. Serving Kitchen Equipment, Cabinetry, and Furniture

SCHOOLEY CALDWELL

ARCHITECTURE. INSPIRED.

300 Marconi Boulevard Columbus OH 43215 schooleycaldwell.com

Consultants:

Civil, Structural & MEPT Korda/Nemeth Engineering

1600 Watermark Drive, Columbus, OH 43215 614-487-1650

Barn Consultant:

Mt. Vernon Barn Co.

7676 Co Rd 15, Fredericktown, OH 43019 614-634-2049

Drawing Issue Dates:

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50% Construction Documents 07/19/2024

90% Construction Documents 01/15/2025

Big Set / Permit Set 02/14/2025

Revision Schedule

Table with columns: #, Description, Date

Bicentennial Barn - McCammon Creek Park

6844 Bale Kenyon Rd Lewis Center, OH 43035



Kalpa Baghasingh, License #1516341

Expiration Date 12/31/2025

Index and Symbols

General

G001

02/14/2025

23070

FLOOR AREA AND OCCUPANCY

LEVEL	AREA, USE, AND OCCUPANCY		
	GROSS AREA	USE GROUP	CALCULATED OCCUPANCY
GROUND FLOOR	3,502 SF	S-1	90
MAIN FLOOR	4,229 SF	A-2	153
TOTAL	7,731 SF		243

TOTAL BUILDING GROSS SQUARE FOOTAGE: 7,731 SF
DESIGN OCCUPANT LOAD (PER OBC TABLE 1004.1.1): 243 OCCUPANTS

CODE DATA - SYMBOL LEGEND

- PATH OF EGRESS
- ➔ EGRESS EXIT
- ♿ ADA ACCESS
- ◆ OCCUPANT LOAD SIGNAGE
- FE NEW FIRE EXTINGUISHER
- FEC NEW FIRE EXTINGUISHER CABINET, RECESSED IN WALL
- T TOLIET

CODE DATA - 2024 OHIO BUILDING CODE

PROJECT SUMMARY:

RENOVATION AND ADDITION TO THE EXISTING BICENTENNIAL BARN AND RELOCATING IT TO MCCAMMON CREEK PARK FOR USE AS AN EVENT SPACE.

APPLICABLE CODES:

ZONING: Base Zoning: Orange Township, Delaware County
FR-1

Parcel ID's: 31841201002008
31841201002010

FLOOD ZONE: Flood Zone X - F.E.M.A. Map Number 39049C0307K - (June 17, 2008)

FIRE CODE: OAC 1301.7 (1-7) 2017 - Ohio Fire Code (with January 2019 Errata 2015 IFC with Ohio amendments)

BUILDING CODE: OAC 4101.1 (1-35) 2024 - Ohio Building Code (2021 IBC with Ohio amendments)

ACCESSIBILITY: OAC 4101.1 (11) 2017 - OBC Chapter 11 and ICC A117.1

ENERGY CODE: OAC 4101.1 (13) 2021 - IECC and ASHRAE 90.1-2010 (with Ohio amendments)

ELECTRICAL CODE: OAC 4101.1 (27) 2024 - OBC Chapter 27 and National Electrical Code NFPA 70-17

MECHANICAL CODE: OAC 4101.2 (1-15) 2024 - Ohio Mechanical Code (2021 IMC with Ohio amendments)

PLUMBING CODE: OAC 4101.3 (1-15) 2024 - Ohio Plumbing Code (2021 IPC with Ohio amendments)

Additional Referenced Standards frequently requested are as follows:

NFPA 13 - Standard for the Installation of Sprinkler Systems (2016 edition)
NFPA 72 - National Fire Alarm and Signaling Code (2016 edition)

USE AND OCCUPANCY CLASSIFICATION:
OBC 303.4: A-2, ASSEMBLY (MULTI-PURPOSE EVENT SPACE)

GENERAL BUILDING HEIGHTS AND AREAS:
OBC TABLE 504.3 & 504.4: ALLOWABLE HEIGHT & NUMBER OF STORIES:
TYPE V-B CONSTRUCTION
60' HEIGHT & 2 STORIES ALLOWABLE (FULLY SPRINKLED)
55' HEIGHT & 2 STORIES ACTUAL

OBC TABLE 506.2: BUILDING AREA:
TYPE V-B CONSTRUCTION: A-2
24,000 SF FLOOR ALLOWABLE (FULLY SPRINKLED)
7,731 SF FLOOR ACTUAL

OBC TABLE 508.4: NON-SEPERATED OCCUPANCIES
OCCUPANCY A-2 WITH SPRINKLER SYSTEM
NO SEPARATION REQUIRED

TYPE OF CONSTRUCTION:

OBC TABLE 601:
TYPE V-B CONSTRUCTION
STRUCTURAL FRAME: 0-HOUR
BEARING WALLS, EXTERIOR: 0-HOUR
BEARING WALLS, INTERIOR: 0-HOUR
NON-BEARING WALLS AND PARTITIONS: 0-HOUR
FLOOR CONSTRUCTION: 0-HOUR
ROOF CONSTRUCTION: 0-HOUR

FIRE PROTECTION SYSTEMS:

OBC 903.2.1.2: GROUP A-2: AN AUTOMATIC SPRINKLER SYSTEM SHALL BE PROVIDED THROUGHOUT STORIES CONTAINING GROUP A-2 OCCUPANCIES AND THROUGHOUT ALL STORIES FROM THE GROUP A-2 OCCUPANCY TO AND INCLUDING THE LEVELS OF EXIT DISCHARGE SERVING THAT OCCUPANCY
OBC 903.3.1.1: NFPA 13 SPRINKLER SYSTEM INSTALLED THROUGHOUT
OBC TABLE 906.3(1): MAXIMUM TRAVEL DISTANCE TO A FIRE EXTINGUISHER SHALL BE 75'
OBC 907.2: NFPA 72 MANUAL AND AUTOMATIC FIRE ALARM SYSTEM

MEANS OF EGRESS:

OBC 1004.1: DESIGN OCCUPANT LOAD: 243 OCCUPANTS
OBC 1005.3.2: EGRESS CAPACITY AT DOORS: 243 x 0.15 = 36.45"
OBC TABLE 1006.2.1: COMMON PATH OF EGRESS TRAVEL: A = 75 FT MAX ALLOWABLE
EXCEPTION 2 APPLIES: OVERALL DIAGONAL 120"
OBC 1007.1.1: MINIMUM ALLOWABLE EXIT SEPARATION DISTANCE 40', ACTUAL 41"
OBC TABLE 1017.2: EXIT ACCESS TRAVEL DISTANCE: 250' MAX ALLOWABLE, ACTUAL 69"
OBC 1020.4: DEAD END CORRIDOR: MAXIMUM ALLOWABLE 20', ACTUAL 20'

PLUMBING FOR GROUND FLOOR & MAIN FLOOR:

OBC TABLE 2902.1 / OPC 403: REQUIRED MINIMUM PLUMBING FACILITIES

A-2 USE GROUP: 243 Persons
243 / 2 = 122

WATER CLOSETS
REQUIRED: 3 M + 3F (1 PER 40)
PROVIDED: 3 M + 3F + 1U

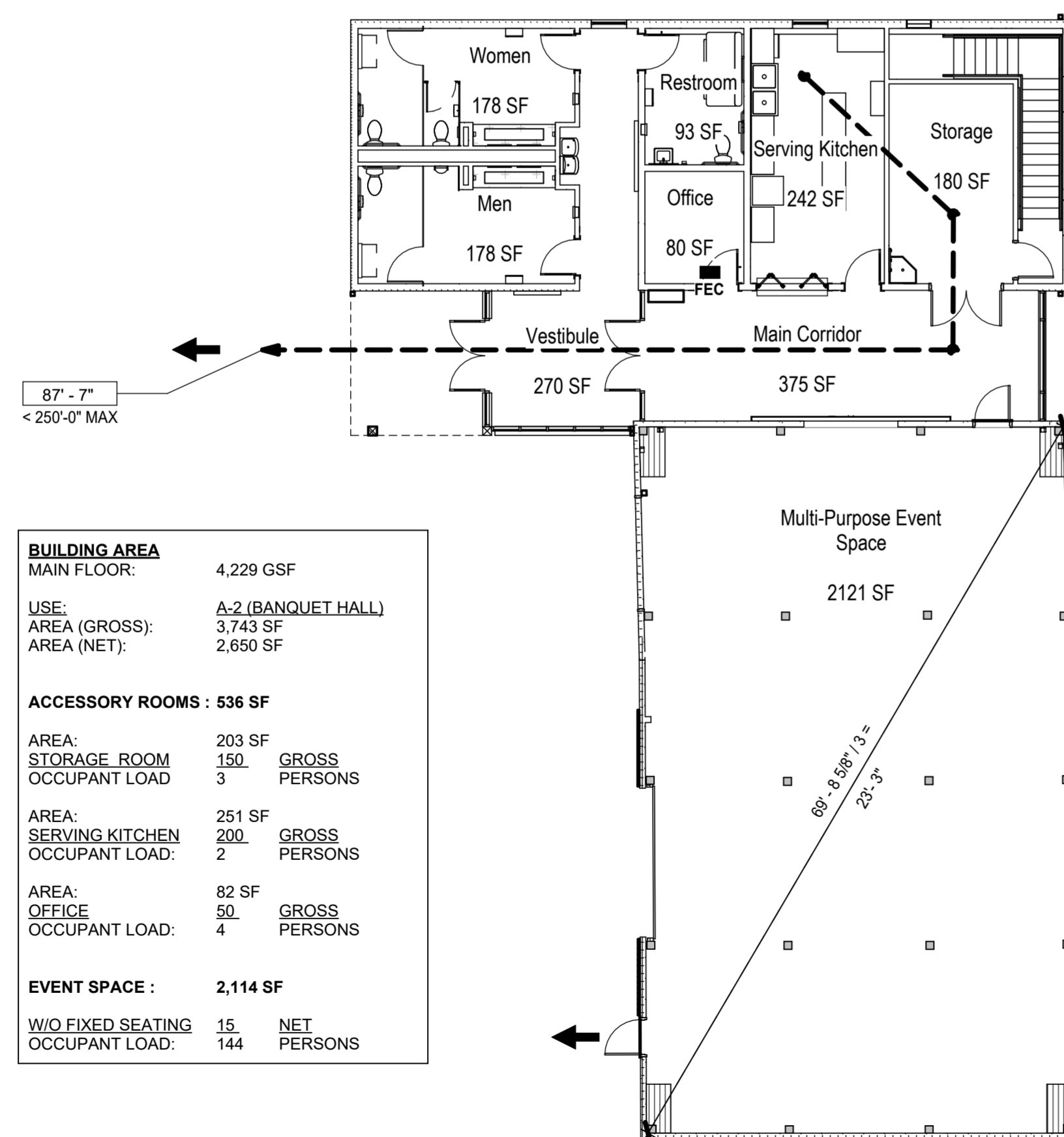
LAVATORIES
REQUIRED: 2M + 2F (1 PER 75)
PROVIDED: 2M + 2F + 1U

DRINKING FOUNTAINS
REQUIRED: 1 (1 PER 500)
PROVIDED: 1

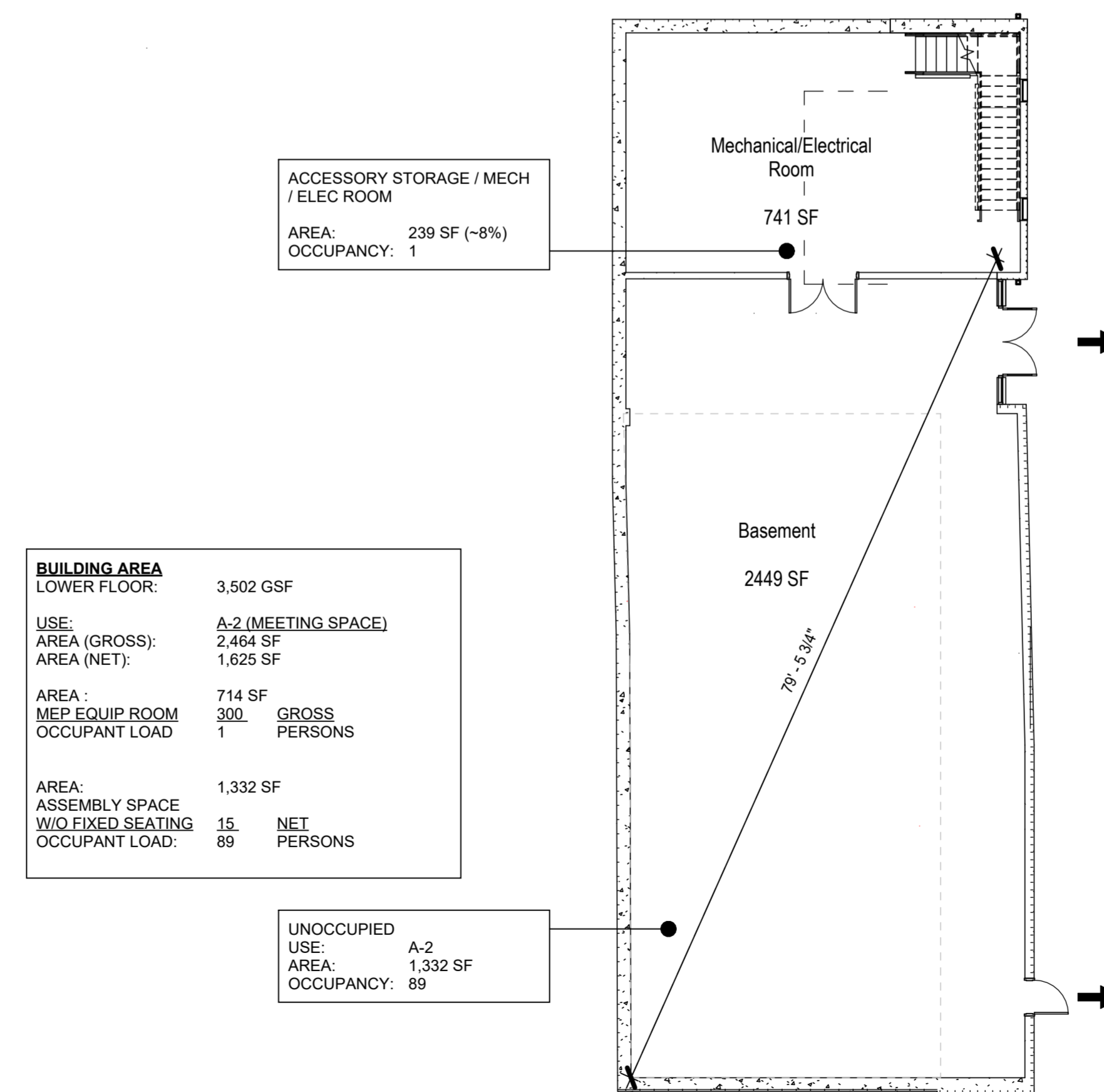
OTHER
REQUIRED: 1 SERVICE SINK
PROVIDED: 1 SERVICE SINK

[P] 2902.3.3 LOCATION OF TOILET FACILITIES IN OCCUPANCIES OTHER THAN MALLS:

IN OCCUPANCIES OTHER THAN COVERED AND OPEN MALL BUILDINGS, THE REQUIRED PUBLIC AND EMPLOYEE TOILET FACILITIES SHALL BE LOCATED NOT MORE THAN ONE STORY ABOVE OR BELOW THE SPACE REQUIRED TO BE PROVIDED WITH TOILET FACILITIES, AND THE PATH OF TRAVEL TO SUCH FACILITIES SHALL NOT EXCEED A DISTANCE OF 500 FEET (152 M).



2 MAIN FLOOR CODE ANALYSIS PLAN
3/32" = 1'-0"



1 GROUND FLOOR CODE ANALYSIS PLAN
3/32" = 1'-0"

Consultants:

Civil, Structural & MEPT
Korda/Nemeth Engineering
1620 Watermark Drive, Columbus, OH 43215
614-487-1650

Barn Consultant
Mt. Vernon Barn Co.
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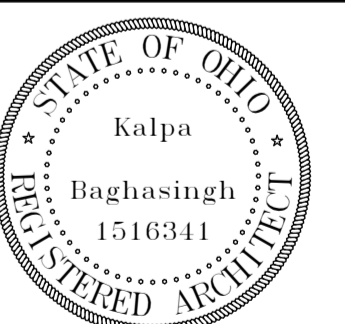
Bid Set / Permit Set
02/14/2025

Revision Schedule

#	Description	Date

Bicentennial Barn - McCammon Creek Park

6844 Bale Kenyon Rd
Lewis Center, OH 43035



Kalpa Baghasingh, License #1516341
Expiration Date 12/31/2025

Code Analysis

General
G002

02/14/2025

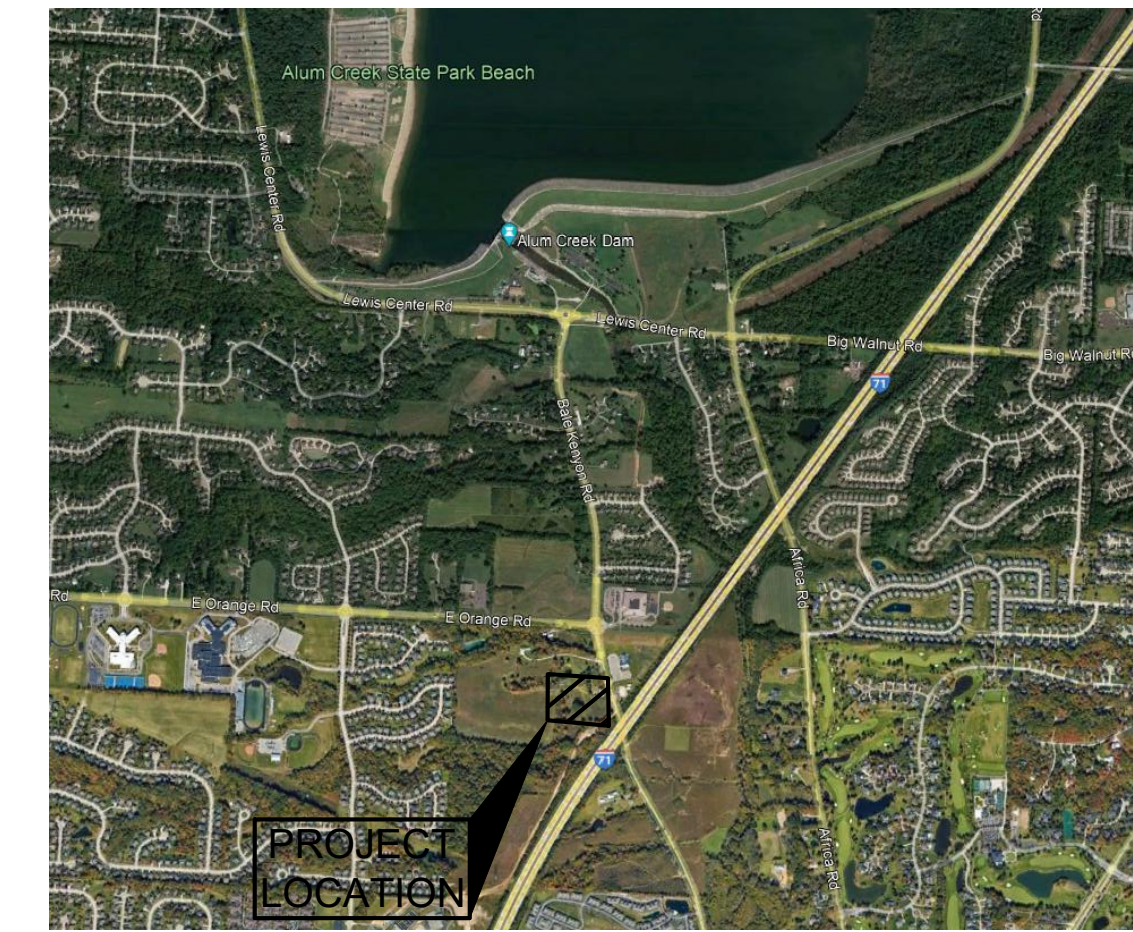
23070

FINAL ENGINEERING PLAN

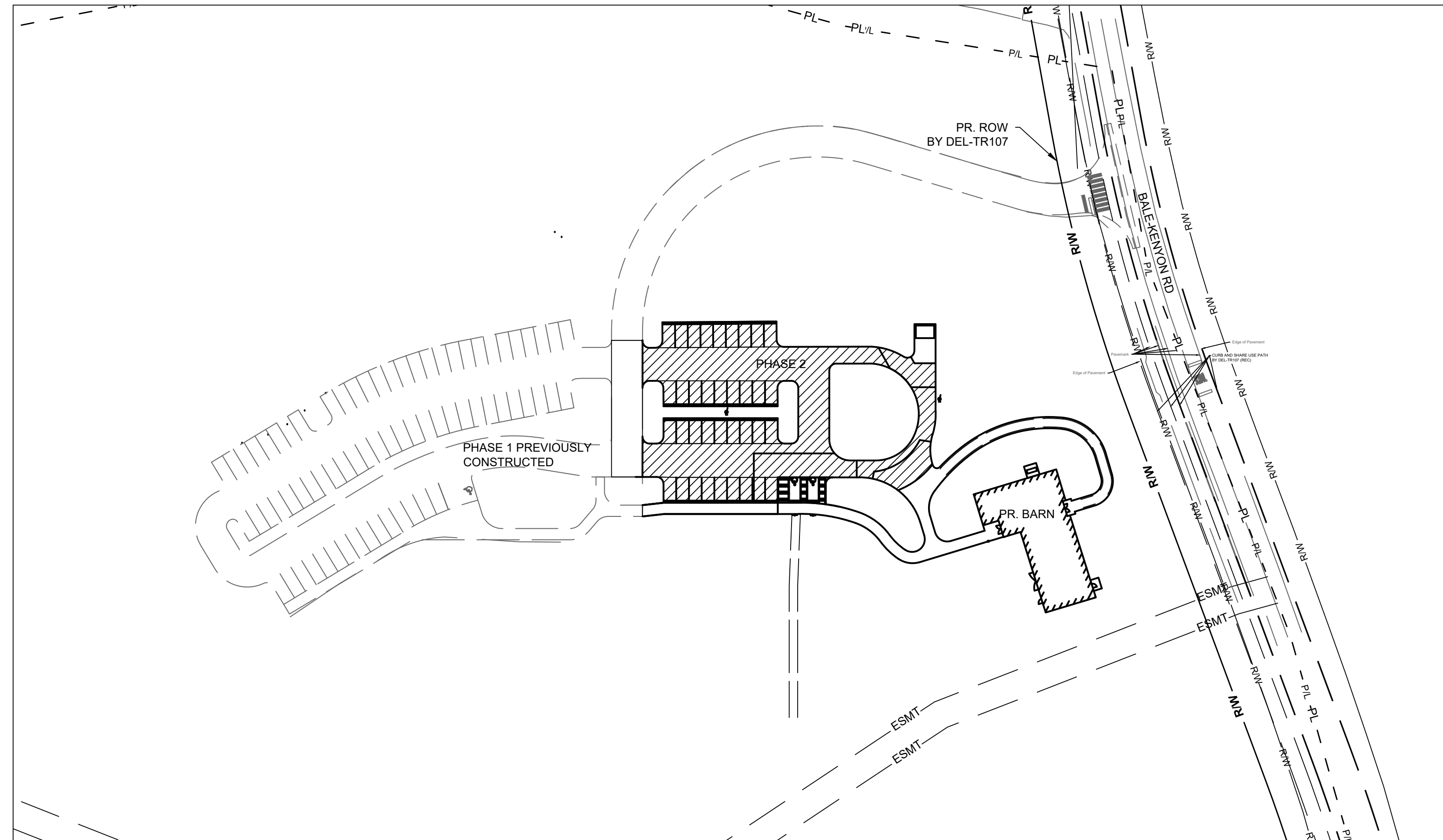
MCCAMMON CREEK PARK

PHASE 2

6844 BALE KENYON ROAD, LEWIS CENTER, OHIO 43035
 DELAWARE COUNTY, OHIO
 OCTOBER 2023
 ZONING: (FR-1) FARM RESIDENCE DISTRICT



LOCATION MAP
NO SCALE



INDEX MAP
SCALE: 1"=60'

GENERAL SUMMARY

TOTAL ACRES:	1.9 ACRES
DISTURBED AREA:	1.9 ACRES
EX. IMPERVIOUS:	0.3 ACRES (15.8%)
PR. IMPERVIOUS:	0.9 ACRES (47.4%)

SHEET INDEX

BID SET	PERMIT SET	INDEX
C000	1	TITLE SHEET
TS400	2	MCCAMMON CREEK PARK TOPO
C001	3	GENERAL NOTES
C100	4	DEMOLITION PLAN
C101	5	DEMOLITION PLAN
C102	6	STAKING PLAN
C103	7	STAKING PLAN
C104	8	STAKING DETAILS
C105	9	STAKING DETAILS
C106	10	STAKING PLAN ALTERNATE A
C200	11	GRADING PLAN
C201	12	GRADING PLAN
C202	13	STORM PROFILES
C203	14	STORM AND GRADING DETAILS
C204	15	EROSION CONTROL PLAN
C205	16	EROSION CONTROL PLAN
C206	17	EROSION CONTROL DETAILS
C207	18	GRADING PLAN ALTERNATE A
C300	19	UTILITY PLAN
C301	20	UTILITY DETAILS

FLOODPLAIN

THE PROJECT SITE IS LOCATED IN ZONE X, ZONE X DESCRIBED AS ABOVE THE ELEVATION OF THE 0.2% ANNUAL CHANCE FLOOD ON FLOOD INSURANCE RATE MAP, DELAWARE COUNTY, OHIO, MAP 39041C0262L, EFFECTIVE DATE (DECEMBER 21, 2023).

CONSTRUCTION SPECIFICATIONS

THE DELAWARE COUNTY ENGINEER DCMSC, ODOT CMS, CITY OF COLUMBUS & DEL-CO WATER

UTILITY COMPANIES

DELAWARE COUNTY REGIONAL SEWER DISTRICT
 THE BYXBE BUILDING
 1610 STATE ROUTE 521, P.O. BOX 8006
 DELAWARE, OHIO 43015 740-833-2439

DEL-CO WATER COMPANY
 6858 OLETANGY RIVER ROAD
 DELAWARE, OHIO 43015
 ATTN: CRIS VALENZUELA
 740-548-7746

AMERICAN ELECTRIC POWER
 850 TECH CENTER DRIVE
 GAHANNA, OHIO 43230
 ATTN: PAUL PAXTON
 614-883-8829

DELAWARE COUNTY ENGINEERS
 OFFICE PERMIT DEPARTMENT
 THE BYXBE BUILDING
 1610 STATE ROUTE 521, P.O. BOX 8006
 DELAWARE, OHIO 43015 740-833-2439

DELAWARE COUNTY	DATE
DCED-S133A	1/04/2010
DCED-S133D	1/04/2010
DCED-S139	1/04/2010
DCED-S150	1/22/2008
DCED-S151	1/04/2010
DCED-S166	1/04/2010
DCED-S168	9/15/2014
DCED-S176	5/05/2011
DCED-S440A	5/07/2013
DCED-S440B	4/09/2013

CIVIL ENGINEER

KORDA/NEMETH ENGINEERING
 ATTN: GRAHAM WATKINS
 1650 WATERMARK DRIVE
 COLUMBUS, OHIO 43215
 (614)487-1650
 GRAHAM.WATKINS@KORDA.COM

ARCHITECT

SCHOOLEY CALDWELL
 ATTN: KALPA BAGHASINGH
 300 MARCONI BLVD, SUITE 100
 COLUMBUS, OHIO 43215
 (614)628-0300
 KBAGHASINGH@SCHOOLEYCALDWELL.COM

OWNER/DEVELOPER:

DELAWARE COUNTY PRESERVATION PARKS OF DELAWARE COUNTY
 ATTN: MATT SIMPSON
 SR. PARK PLANNER
 2656 HOGBACK ROAD
 SUNBURY, OHIO 43074
 OFFICE: (740) 524-8600 X 102
 PRESERVATIONPARKS.COM

CHANGE ORDER SCHEDULE

CHANGE	PREPARED	DATE OF CHANGE	DESCRIPTION OF CHANGE	SHT NO.	APPROVED	DATE OF APPROVAL

APPROVALS

THE DELAWARE COUNTY ENGINEER'S SIGNATURE ON THIS PLAN SIGNIFIES ONLY CONCURRENCE WITH THE GENERAL PURPOSE AND LOCATION OF THE PROPOSED IMPROVEMENTS WITH RESPECT TO IMPROVEMENTS WITHIN THE RIGHT-OF-WAY, STORM WATER MANAGEMENT, EROSION AND SEDIMENT CONTROL. ALL TECHNICAL DETAILS REMAIN THE RESPONSIBILITY OF THE PROFESSIONAL ENGINEER WHO PREPARED AND CERTIFIED THESE PLANS.

DELAWARE COUNTY ENGINEER

_____ DATE

CHIEF OPERATING OFFICER, DEL-CO WATER

_____ DATE



DATE: 11/17/2023

JOB NO.: 2023-0006

SHEET: 1/21

MARK	DATE	DESCRIPTION

TITLE SHEET

DELAWARE COUNTY, OHIO
 FINAL ENGINEERING PLAN
 FOR
 MCCAMMON CREEK PARK
 PHASE 2



ARCHITECTURE. INSPIRED.
 300 Marconi Boulevard
 schooleycaldwell.com
 T 614-628-0300
 F 614-628-0311
 Columbus OH 43215

Consultants:
 Civil, Structural & MEP
 Korda/Nemeth Engineering
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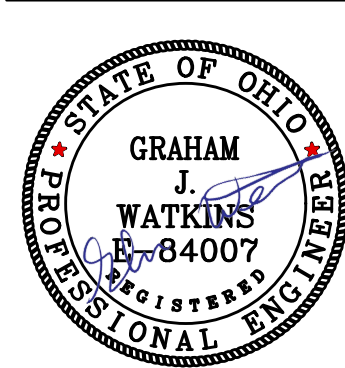
Drawing Issue Dates
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Revision Schedule

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 McCammon Creek
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6844 Bale Kenyon Rd
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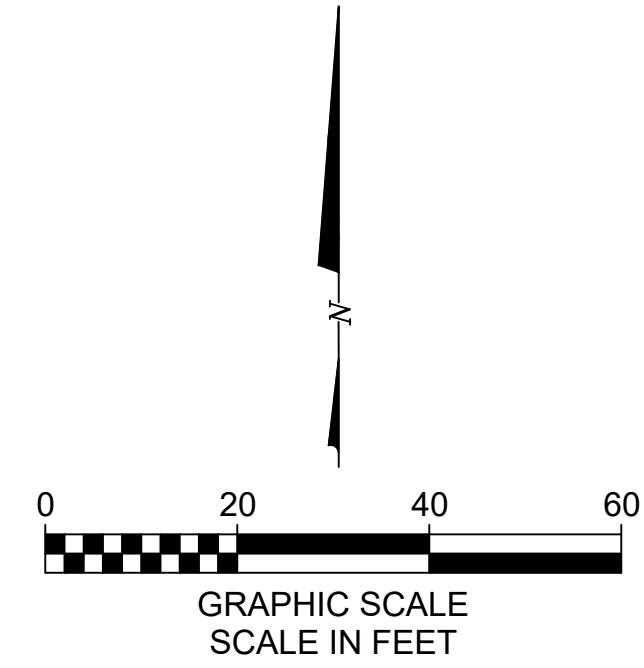
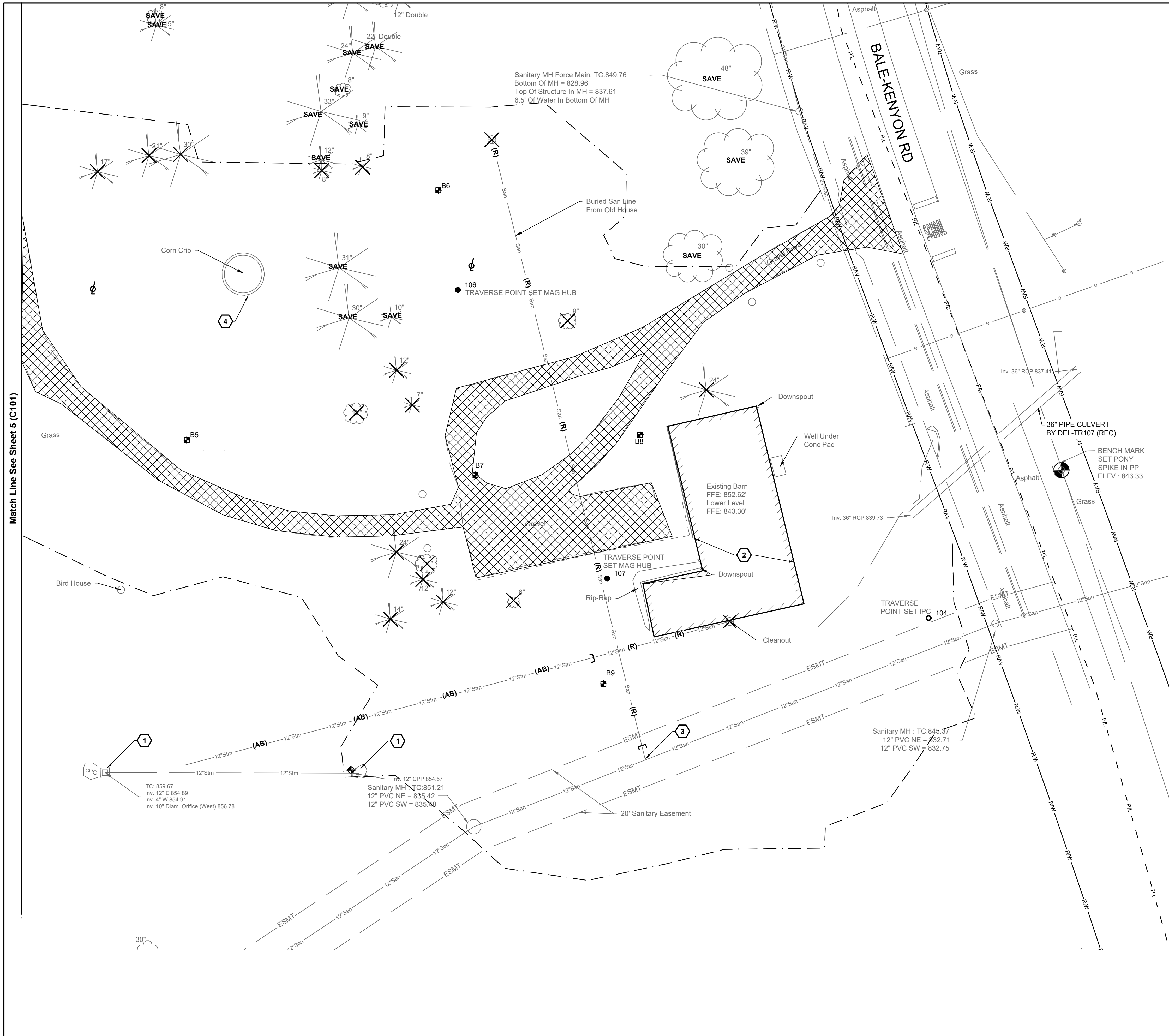
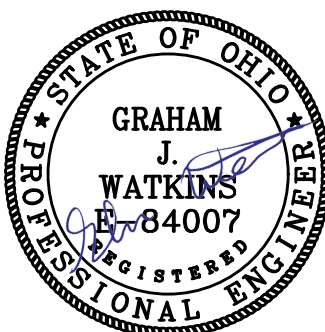


TITLE SHEET

C000

11/25/2024

23070



DEMOLITION LEGEND

- EXISTING**
REFER TO SHEET 2
- PROPOSED**
- REMOVE EXISTING ASPHALT, GRAVEL, AND CONCRETE PAVEMENT, CONCRETE SIDEWALK, BUILDING FOUNDATION, AND PAVEMENT BASE MATERIALS
 - STRUCTURE REMOVED
 - REMOVE EXISTING TREE
 - PROTECT EXISTING TREE TO REMAIN, REFER TO DETAIL A/8(C104)
 - LIMIT OF DISTURBANCE
 - REMOVE EXISTING UTILITY
 - ABANDON EXISTING UTILITY

GENERAL NOTES:

- SITE SURVEY PERFORMED BY WOOLPERT, DATED 05/16/22. REFER TO SURVEY SHEET FOR ALL EXISTING SITE FEATURES.
- DISPOSE OF CONSTRUCTION DEBRIS OFF-SITE IN ACCORDANCE WITH LOCAL CODES.
- REMOVE AND DISPOSE OF ON SITE FEATURES AS SHOWN ON THE PLAN.
- SAW-CUT EXISTING PAVEMENT AT LIMITS OF PAVEMENT REMOVAL TO FULL DEPTH USING CARE TO CUT NEAT, STRAIGHT LINES. CUT AT EXISTING JOINTS WHERE POSSIBLE.
- CONTRACTOR TO PROTECT EXISTING SITE FEATURES TO REMAIN OUTSIDE CONSTRUCTION LIMITS. REPAIR ANY DAMAGE TO THE SATISFACTION OF THE OWNER AT NO ADDITIONAL COST.
- CONTROL DUST AT THE SITE. PROVIDE STREET CLEANING WHEN NECESSARY, AND WHEN REQUESTED BY OWNER.
- GRADE SITE DURING CONSTRUCTION TO PROVIDE POSITIVE DRAINAGE TO EXISTING AND/OR PROPOSED STORM WATER MANAGEMENT SYSTEMS.
- PERFORM WORK IN ACCORDANCE WITH LOCAL CODES AND REGULATIONS.

CODED NOTES:

- PROTECT EXISTING UTILITY STRUCTURE TO REMAIN. ADJUST TO FINAL GRADE.
- REFER TO ARCHITECTURAL PLAN FOR BARN RELOCATION.
- PROTECT EXISTING SANITARY TAP TO REMAIN.
- REMOVE EXISTING CORN CRIB WIRE MESH AND CONCRETE FOUNDATION. DISMANTLE AND STORE CORN CRIB ROOF UNDAMAGED ON SITE FOR FUTURE USE BY THE PARK DISTRICT.

REVISIONS	MARK	DATE	DESCRIPTION

DEMOLITION PLAN

DELAWARE COUNTY, OHIO
FINAL ENGINEERING PLAN
FOR
MCCAMMON CREEK PARK
PHASE 2



DATE
11/17/2023

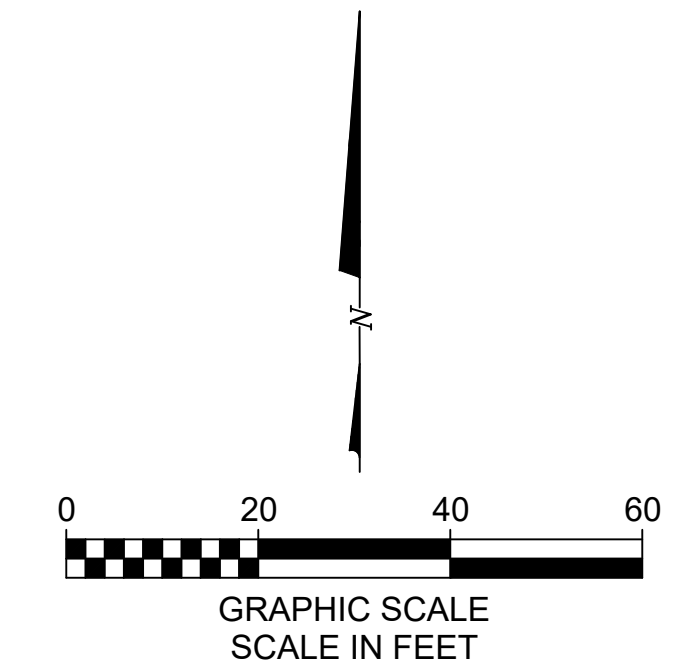
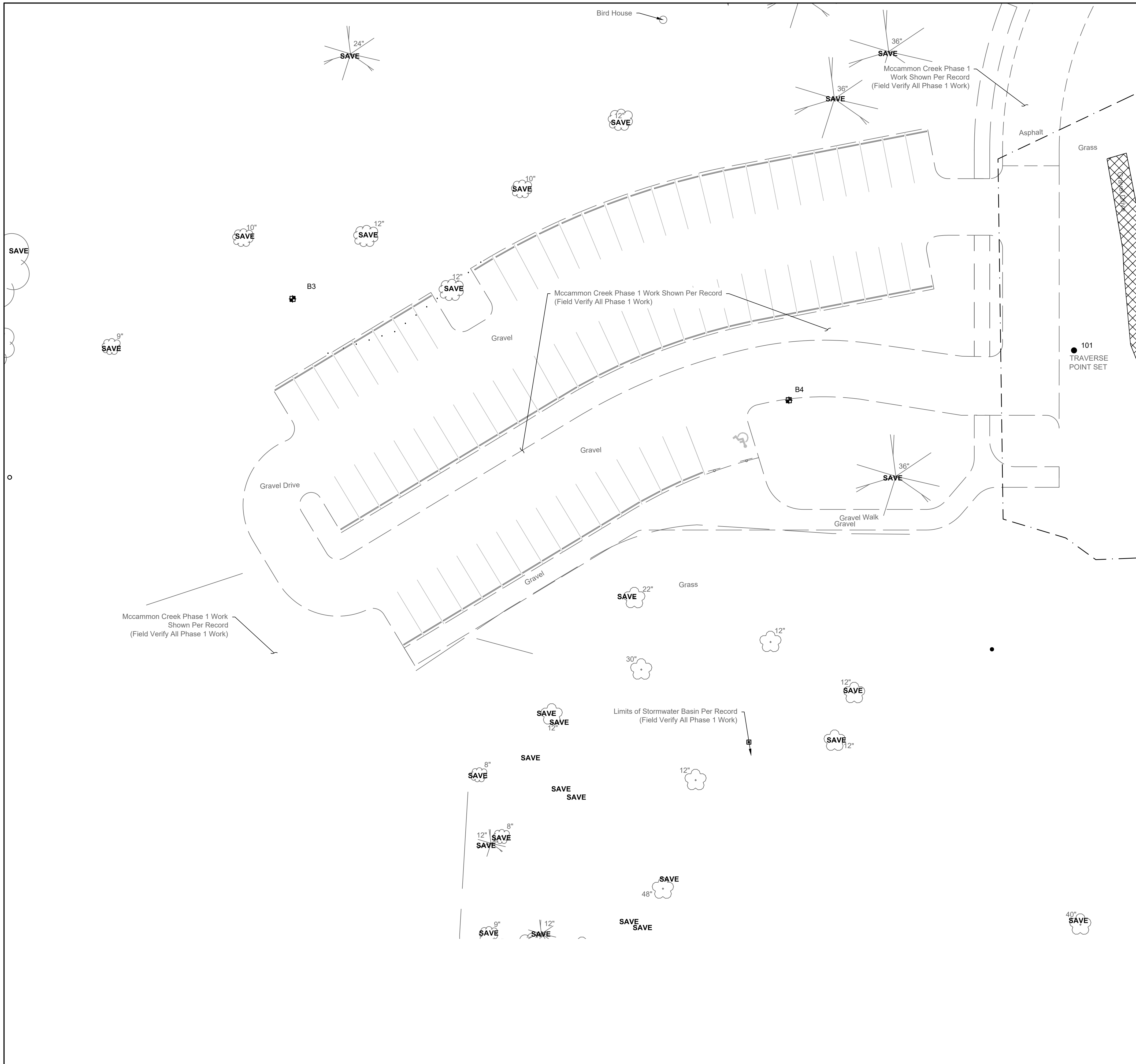
JOB NO.
2023-0006

SHEET
4/21

KORDA
KORDA NEMETH ENGINEERING
1650 WATERMARK DRIVE
SUITE 200
COLUMBUS, OHIO 43215

DRAWN BY: EAM
DESIGNED BY: EAM
CHECKED BY: GJW
PROJECT NUMBER: 2023-0006

Match Line See Sheet 5 (C101)



DEMOLITION LEGEND

EXISTING
REFER TO SHEET 2

PROPOSED



REMOVE EXISTING ASPHALT, GRAVEL, AND CONCRETE PAVEMENT, CONCRETE SIDEWALK, BUILDING FOUNDATION, AND PAVEMENT BASE MATERIALS



REMOVE EXISTING TREE



PROTECT EXISTING TREE TO REMAIN, REFER TO DETAIL A/8(C104)

--- LIMIT OF DISTURBANCE

GENERAL NOTES:

1. SITE SURVEY PERFORMED BY WOOLPERT, DATED 05/16/22. REFER TO SURVEY SHEET FOR ALL EXISTING SITE FEATURES.
2. DISPOSE OF CONSTRUCTION DEBRIS OFF-SITE IN ACCORDANCE WITH LOCAL CODES.
3. REMOVE AND DISPOSE OF ON SITE FEATURES AS SHOWN ON THE PLAN.
4. SAW-CUT EXISTING PAVEMENT AT LIMITS OF PAVEMENT REMOVAL TO FULL DEPTH USING CARE TO CUT NEAT, STRAIGHT LINES. CUT AT EXISTING JOINTS WHERE POSSIBLE.
5. CONTRACTOR TO PROTECT EXISTING SITE FEATURES TO REMAIN OUTSIDE CONSTRUCTION LIMITS. REPAIR ANY DAMAGE TO THE SATISFACTION OF THE OWNER AT NO ADDITIONAL COST.
6. CONTROL DUST AT THE SITE. PROVIDE STREET CLEANING WHEN NECESSARY, AND WHEN REQUESTED BY OWNER.
7. GRADE SITE DURING CONSTRUCTION TO PROVIDE POSITIVE DRAINAGE TO EXISTING AND/OR PROPOSED STORM WATER MANAGEMENT SYSTEMS.
8. PERFORM WORK IN ACCORDANCE WITH LOCAL CODES AND REGULATIONS.

REVISIONS	
MARK	DESCRIPTION

DEMOLITION PLAN

DELAWARE COUNTY, OHIO
FINAL ENGINEERING PLAN
FOR
**MCCAMMON CREEK PARK
PHASE 2**

KORDA
Korda/Nemeth Engineering, Inc. - Consulting Engineers
1650 Watermark Drive, Suite 200 - Columbus, Ohio 43215-1010
TEL: 614-471-1650 FAX: 614-461-0261 WEB: www.korda.com

DATE
11/17/2023

JOB NO.
2023-0006

SHEET
5/21

KORDA
KORDA NEMETH ENGINEERING
1650 WATERMARK DRIVE
SUITE 200
COLUMBUS, OHIO 43215
DRAWN BY: EAM
DESIGNED BY: EAM
CHECKED BY: GJW
PROJECT NUMBER: 2023-0006

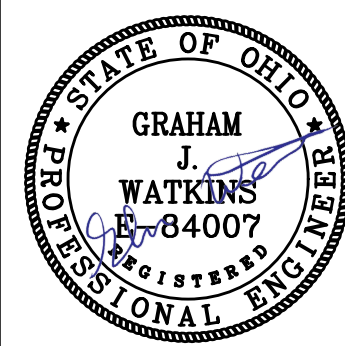
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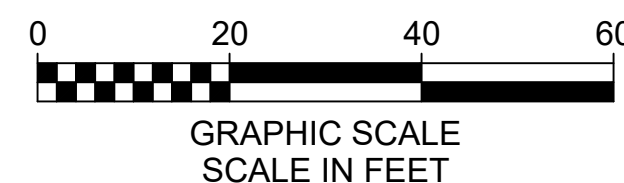
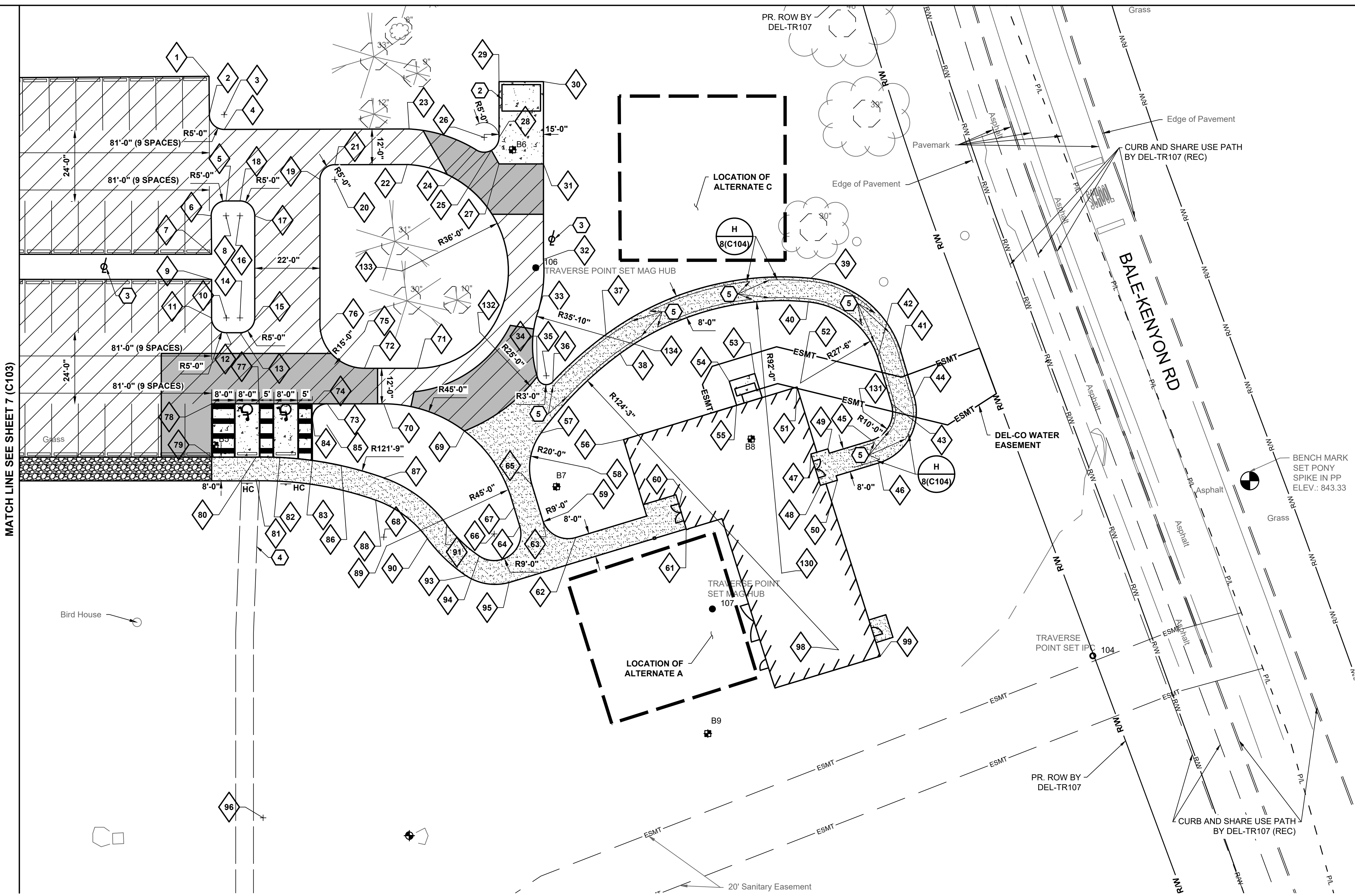
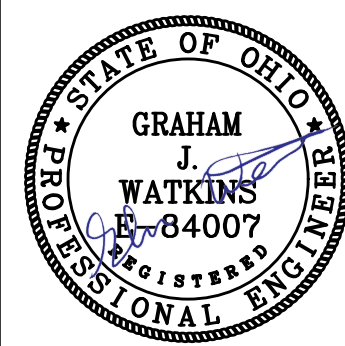
Bicentennial Barn -
Mccammon Creek Park
6844 Bale Kenyon Rd
Lewis Center, OH 43035



DEMOLITION PLAN

C101

11/25/2024
23070



STAKING LEGEND

- EXISTING**
REFER TO SHEET 2
- PROPOSED**
- RIGHT-OF-WAY, REFER TO DEL-TR107
 - FENCE
 - BUILDING/WALL
 - PAVEMENT
 - WALK
 - PAINTED WHEELCHAIR SYMBOL
 - SIGN PER DETAIL B/9(C105)
 - HANDICAPPED PARKING SIGN PER DETAIL B/9(C105)
 - BUMPER BLOCK PER DETAIL G/8(C104) (TYP OF 38)
 - TREE PROTECTION PER DETAIL A/8(C104)
 - BASE BID ALTERNATE B: GRAVEL PER DETAIL C/9(C105)
 - CONCRETE PAVEMENT OR SIDEWALK PER DETAIL D/8(C104)
 - HEAVY DUTY CONCRETE PER DETAIL G/9(C105)
 - GRAVEL SIDEWALK PER DETAIL I/8(C104)
 - GRAVEL TRANSITION PER DETAIL C/10(C106) (BASE BID)

GENERAL NOTES:

- DIMENSIONS AND COORDINATES ARE GIVEN TO FACE OF CURB AND FACE OF BUILDING UNLESS OTHERWISE NOTED.
- CURB AND SIDEWALK RADII SHALL BE 5'-0" UNLESS OTHERWISE NOTED.
- PROVIDE STRIPING AND SYMBOLS AS SHOWN PER ODOT ITEM 641 AND 642. PROVIDE STRIPING PAINT WITH GLASS BEADS. PROVIDE TYPE I OR TYPE IA PAINT IN ACCORDANCE WITH ODOT ITEM 642 DEPENDING ON TEMPERATURE CONDITIONS AT THE TIME OF APPLICATION. TYPICAL LINE WIDTH SHALL BE 4 INCHES, COLOR WHITE, PROVIDE TWO COATS.
- STANDARD PARKING STALL DIMENSIONS ARE 9'-0" IN WIDTH BY 18'-0" IN LENGTH UNLESS OTHERWISE NOTED.
- SAWCUT FULL DEPTH SIDEWALK AND PAVEMENT WHERE NEW WORK ABUTS EXISTING CONSTRUCTION. TAKE CARE TO PROVIDE NEAT STRAIGHT LINES. PROVIDE PAVEMENT SEALANT PER ODOT ITEM 640 AND 641 AT JOINT BETWEEN EXISTING AND NEW ASPHALT. REMOVE CONCRETE TO NEAREST JOINT. PROVIDE 1/2" PREFORMED EXPANSION JOINT FILLER BETWEEN NEW AND EXISTING CONSTRUCTION.
- ANY PROPERTY PINS DAMAGED AS PART OF CONSTRUCTION SHALL BE RESET BY AN OHIO REGISTERED SURVEYOR.
- PROVIDE 1 HANDICAP ACCESSIBLE PARKING SIGNS AND 1 VAN ACCESSIBLE PARKING SIGNS. FINAL LOCATION OF SIGNS TO BE DETERMINED BY ARCHITECT.
- MAINTAIN PEDESTRIAN AND VEHICULAR ACCESS TO ADJACENT BUILDINGS AT ALL TIMES DURING CONSTRUCTION.
- REFER TO ARCHITECTURAL DRAWINGS FOR ALL SITE SIGNAGE NOT SHOWN ON THIS SHEET.
- BUILDING COORDINATES PROVIDED FOR BUILDING LOCATION ONLY. REFER TO ARCHITECTURAL PLANS FOR BUILDING LAYOUT.
- PROVIDE CONCRETE PARKING BLOCKS AT ALL SPACES PER DETAIL G/8(C104)
- PROVIDE CONTROL JOINTS PER DETAIL E/8(C104). PROVIDE ISOLATION JOINTS WHERE NEW CONCRETE ABUTS EXISTING STRUCTURES PER DETAIL C/8(C104) AND PER SPECIFICATIONS.

CODED NOTES:

- SAWCUT EXISTING PAVEMENT WITH NEAT, STRAIGHT LINES. MATCH EXISTING PAVEMENT GRADE AT THIS POINT.
- TRASH ENCLOSURE PER DETAILS D,E,F ON SHEET 9(C105).
- ALTERNATE: LIGHTPOLES. REFER TO ELECTRICAL DRAWINGS.
- FUTURE PATH SHOWN FOR REFERENCE.
- RAILING TO EXTEND 1'-0" INTO THE 8' LANDING (TYPICAL).

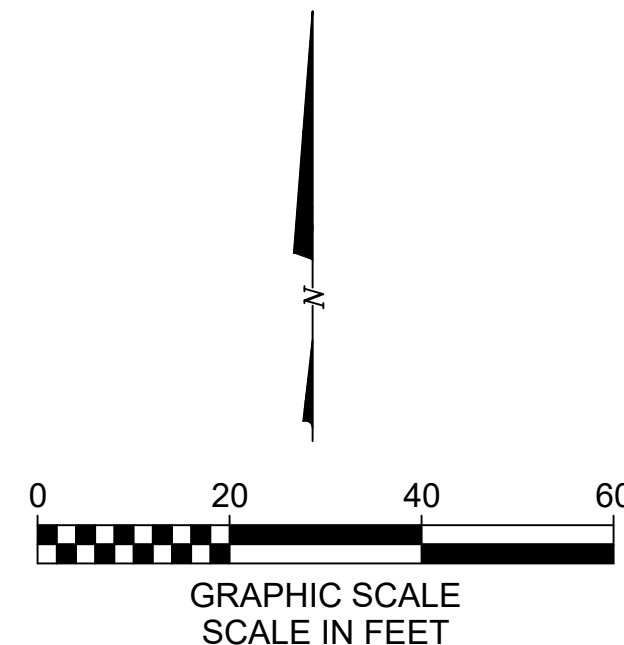
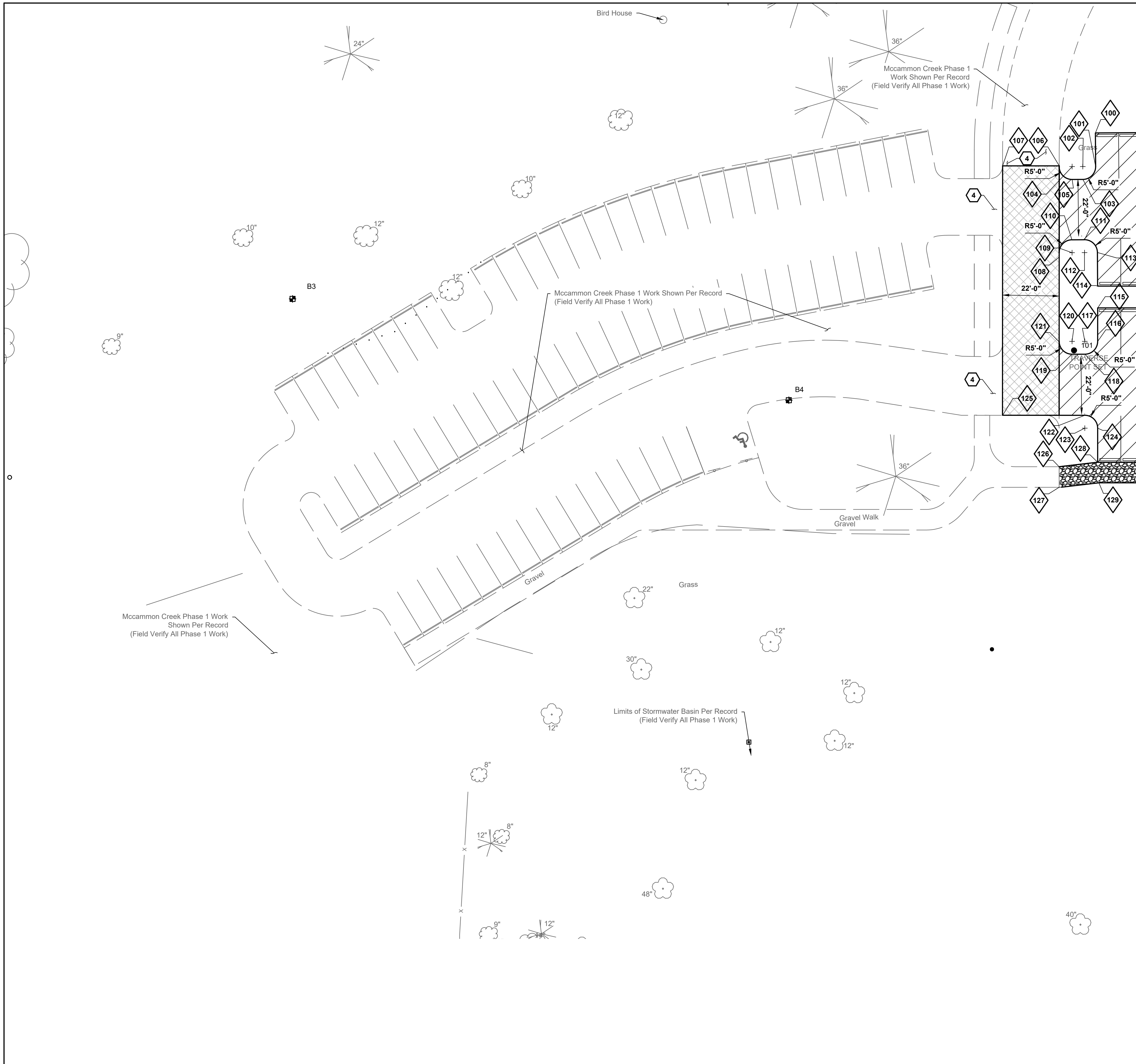
ALTERNATE

- BASE BID - PROVIDE TOP SOIL AND GRASS.
ALTERNATE A - PROVIDE GRAVEL PATIO PER SHEET 10(C106) AND DETAIL A/10(C106).
- BASE BID - PROVIDE GRAVEL PER DETAIL C/9(C105) AND C/10(C106).
ALTERNATE B - PROVIDE ASPHALT PER DETAIL B/8(C104) AND 18(C207).
- BASE BID - PROVIDE TOP SOIL AND GRASS.
ALTERNATE C - PROVIDE ALTERNATE WALKING PATH PER SHEET 10(C106) AND 18(C207).

STAKING COORDINATE TABLE		STAKING COORDINATE TABLE		STAKING COORDINATE TABLE		STAKING COORDINATE TABLE		STAKING COORDINATE TABLE		STAKING COORDINATE TABLE		STAKING COORDINATE TABLE		STAKING COORDINATE TABLE									
1	184054.58	1839095.68	17	184007.52	1839111.12	33	183975.00	1839206.66	49	183928.82	1839304.55	65	183916.52	1839204.72	81	183918.03	1839111.61	99	183858.83	1839322.21	115	183986.03	1839015.57
2	184041.63	1839095.78	18	184012.52	1839106.12	34	183953.20	1839206.44	50	183918.23	1839307.75	66	183900.10	1839191.94	82	183926.03	1839119.61	100	184054.04	1839014.68	116	183973.03	1839015.57
3	184041.67	1839100.78	19	184019.75	1839133.12	35	183953.50	1839209.50	51	183949.70	1839294.13	67	183909.07	1839198.62	83	183924.91	1839130.57	101	184041.02	1839014.78	117	183973.03	1839010.57
4	184036.67	1839100.82	20	184019.75	1839138.12	36	183951.45	1839211.68	52	183951.04	1839295.25	68	183899.03	1839154.64	84	183939.03	1839130.57	102	184040.99	1839009.78	118	183968.03	1839010.57
5	184012.52	1839101.42	21	184024.75	1839138.11	37	183967.38	1839229.63	53	183954.26	1839279.85	69	183934.87	1839181.86	85	183936.85	1839135.47	103	184035.95	1839009.15	119	183968.03	1839005.62
6	184007.47	1839096.42	22	184024.82	1839162.58	38	183960.94	1839234.37	54	183951.64	1839271.24	70	183944.03	1839154.64	86	183923.16	1839140.30	104	184040.98	1839005.64	120	183973.03	1839005.62
7	183994.52	1839096.55	23	184036.81	1839163.20	39	183986.40	1839298.73	55	183943.52	1839273.73	71	183956.03	1839165.99	87	183919.06	1839154.59	105	184035.95	1839005.67	121	183973.03	1839000.62
8	184007.52	1839101.42	24	184029.72	1839185.92	40	183978.43	1839297.95	56	183931.94	1839235.57	72	183956.03	1839148.12	88	183911.52	1839151.92	106	184041.35	1839000.63	122	183944.28	1839010.57
9	183986.03	1839096.55	25	184029.61	1839190.99	41	183962.01	1839329.05	57	183934.10	1839207.69	73	183944.03	1839135.57	89	183896.01	1839155.56	107	184041.28	1838978.63	123	183939.28	1839010.57
10	183973.03	1839101.55	26	184033.97	1839188.55	42	183959.76	1839321.37	58	183922.33	1839223.86	74	183944.03	1839130.57	90	183898.55	1839169.38	108	184007.50	1839000.63	124	183939.28	1839015.57
11	183973.03	1839096.55	27	184025.01	1839193.55	43	183944.08	1839325.97	59	183907.51	1839216.86	75	183968.45	1839148.12	91	183903.29	1839175.83	109	184007.50	1839005.63	125	183944.28	1838978.63
12	183968.03	1839101.55	28	184033.97	1839193.55	44	183946.34	1839333.65	60	183909.49	1839254.40	76	183968.45	1839133.12	93	183886.02	1839182.42	110	184012.50	1839005.59	126	183924.28	1839000.59
13	183968.03	1839106.12	29	184052.80	1839193.55	45	183931.70	1839319.28	61	183901.83	1839256.71	77	183944.03	1839112.57	94	183892.64	1839186.90	111	184012.54	1839010.43	127	183916.28	1839000.59
14	183973.03	1839106.12	30	184052.80	1839208.55	46	183924.04	1839321.60	62	183898.89	1839219.47	78	183944.03	1839096.57	95	183883.71	1839196.96	112	184007.54	1839010.46	128	183926.03	1839015.57
15	183973.03	1839111.12	31	184025.01	1839208.55	47	183927.09	1839298.80	63	183904.90	1839208.25	79	183926.03	1839096.57	96	183804.29	1839113.93	113	184007.57	1839015.46	129	183918.03	1839016.03
16	184007.52	1839106.12	32	183992.80	1839208.55	48	183916.50	1839302.00	64	183902.71	1839200.55	80	183926.03	1839111.61	98	183860.97	1839308.12	114	183994.52	1839015.55	130	183886.88	1839288.94

KORDA
KORDA NEMETH ENGINEERING
1650 WATERMARK DRIVE
SUITE 200
COLUMBUS, OHIO 43215
DRAWN BY: EAM
DESIGNED BY: EAM
CHECKED BY: GJW
PROJECT NUMBER: 2023-0006

DATE	11/17/2023
JOB NO.	2023-0006
SHEET	6/21



STAKING LEGEND

EXISTING
REFER TO SHEET 2

PROPOSED

	RIGHT-OF-WAY, REFER TO DEL-TR107
	FENCE
	BUILDING/WALL
	PAVEMENT
	WALK
	PAINTED WHEELCHAIR SYMBOL
	SIGN PER DETAIL B/9(C105)
	HANDICAPPED PARKING SIGN PER DETAIL B/9(C105)
	BUMPER BLOCK PER DETAIL G/8(C104) (TYP OF 38)
	TREE PROTECTION PER DETAIL A/8(C104)
	BASE BID ALTERNATE B: GRAVEL PER DETAIL C/9(C105)
	ALTERNATE: LIGHT DUTY ASPHALT PAVEMENT PER DETAIL B/8(C104)
	CONCRETE PAVEMENT OR SIDEWALK PER DETAIL D/8(C104)
	HEAVY DUTY CONCRETE PER DETAIL G/9(C105)
	GRAVEL SIDEWALK PER DETAIL I/8(C104)
	ASPHALT AREA TO BE INCLUDED WITH ALTERNATE B. REFER TO SHEET 10(C106)

- GENERAL NOTES:**
- DIMENSIONS AND COORDINATES ARE GIVEN TO FACE OF CURB AND FACE OF BUILDING UNLESS OTHERWISE NOTED.
 - CURB AND SIDEWALK RADII SHALL BE 5'-0" UNLESS OTHERWISE NOTED.
 - PROVIDE STRIPING AND SYMBOLS AS SHOWN PER ODOT ITEM 641 AND 642. PROVIDE STRIPING PAINT WITH GLASS BEADS. PROVIDE TYPE I OR TYPE IA PAINT IN ACCORDANCE WITH ODOT ITEM 642 DEPENDING ON TEMPERATURE CONDITIONS AT THE TIME OF APPLICATION. TYPICAL LINE WIDTH SHALL BE 4 INCHES, COLOR WHITE. PROVIDE TWO COATS.
 - STANDARD PARKING STALL DIMENSIONS ARE 9'-0" IN WIDTH BY 18'-0" IN LENGTH UNLESS OTHERWISE NOTED.
 - SAWCUT FULL DEPTH SIDEWALK AND PAVEMENT WHERE NEW WORK ABUTS EXISTING CONSTRUCTION. TAKE CARE TO PROVIDE NEAT STRAIGHT LINES. PROVIDE PAVEMENT SEALANT PER ODOT ITEM 640 AND 641 AT JOINT BETWEEN EXISTING AND NEW ASPHALT. REMOVE CONCRETE TO NEAREST JOINT. PROVIDE 1/2" PREFORMED EXPANSION JOINT FILLER BETWEEN NEW AND EXISTING CONSTRUCTION.
 - ANY PROPERTY PINS DAMAGED AS PART OF CONSTRUCTION SHALL BE RESET BY AN OHIO REGISTERED SURVEYOR.
 - PROVIDE 1 HANDICAP ACCESSIBLE PARKING SIGNS AND 1 VAN ACCESSIBLE PARKING SIGNS. FINAL LOCATION OF SIGNS TO BE DETERMINED BY ARCHITECT.
 - MAINTAIN PEDESTRIAN AND VEHICULAR ACCESS TO ADJACENT BUILDINGS AT ALL TIMES DURING CONSTRUCTION.
 - REFER TO ARCHITECTURAL DRAWINGS FOR ALL SITE SIGNAGE NOT SHOWN ON THIS SHEET.
 - BUILDING COORDINATES PROVIDED FOR BUILDING LOCATION ONLY. REFER TO ARCHITECTURAL PLANS FOR BUILDING LAYOUT.
 - PROVIDE CONCRETE PARKING BLOCKS AT ALL SPACES PER DETAIL G/8(C104).
 - PROVIDE CONTROL JOINTS PER DETAIL E/8(C104). PROVIDE ISOLATION JOINTS WHERE NEW CONCRETE ABUTS EXISTING STRUCTURES PER DETAIL C/8(C104) AND PER SPECIFICATIONS.

- CODED NOTES:**
- SAW-CUT EXISTING PAVEMENT WITH NEAT, STRAIGHT LINES. MATCH EXISTING PAVEMENT GRADE AT THIS POINT.
 - TRASH ENCLOSURE PER DETAILS D,E,F ON SHEET 9(C105).
 - LIGHTPOLES SHOWN FOR REFERENCE, REFER TO ELECTRICAL DRAWINGS.
 - PROVIDE A 17' TRANSITION FROM EXISTING GRADE OF EXISTING GRAVEL PAVEMENT TO THE 4" ASPHALT PROVIDED IN ALTERNATE B.

- ALTERNATE**
- BASE BID - PROVIDE TOP SOIL AND GRASS.
ALTERNATE A - PROVIDE GRAVEL PATIO PER SHEET 10(C106) DETAIL A/10(C106).
 - BASE BID - PROVIDE GRAVEL PER DETAIL C/9(C105) AND C/10(C106).
ALTERNATE B - PROVIDE ASPHALT PER DETAIL B/8(C104).
 - BASE BID - PROVIDE TOP SOIL AND GRASS.
ALTERNATE C - PROVIDE ALTERNATE WALKING PATH PER SHEET 10(C106).

REVISIONS	MARK	DATE	DESCRIPTION

STAKING PLAN

DELAWARE COUNTY, OHIO
FINAL ENGINEERING PLAN
FOR
**MCCAMMON CREEK PARK
PHASE 2**

KORDA
KORDA NEMETH ENGINEERING
1650 WATERMARK DRIVE, SUITE 200 • COLUMBUS, OHIO 43215-7010
TEL: 614-671-1650 • FAX: 614-671-0261 • WEB: www.kordac.com

DATE: 11/17/2023

JOB NO.: 2023-0006

SHEET: 7/21

KORDA
KORDA NEMETH ENGINEERING
1650 WATERMARK DRIVE
SUITE 200
COLUMBUS, OHIO 43215

DRAWN BY: EAM
DESIGNED BY: EAM
CHECKED BY: GJW
PROJECT NUMBER: 2023-0006

SCHOOLEY CALDWELL

ARCHITECTURE. INSPIRED.
300 Marconi Boulevard
schooleycaldwell.com
T 614-628-0300
F 614-628-0311
Columbus OH 43215

Consultants:
Civil, Structural & MEP
Korda/Nemeth Engineering
1650 Watermark Drive, Columbus, OH 43215
614.487.1650

Barn Consultant
Mt. Vernon Barn Co.
17075 Co Rd 18, Fredericktown, OH 43019
614.634.2049

Drawing Issue Dates

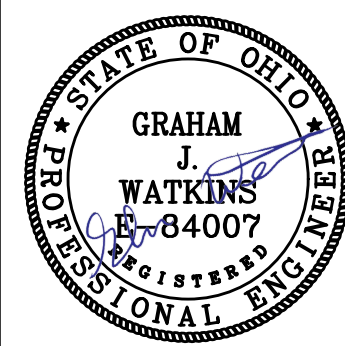
Design Development Submittal	11/17/2023
50% Construction Documents	08/15/2024
90% Construction Documents	01/15/2025
Bid Set / Permit Set	02/14/2025

Revision Schedule

#	Description	Date

Bicentennial Barn -
Mccammon Creek
Park

6844 Bale Kenyon Rd
Lewis Center, OH 43035

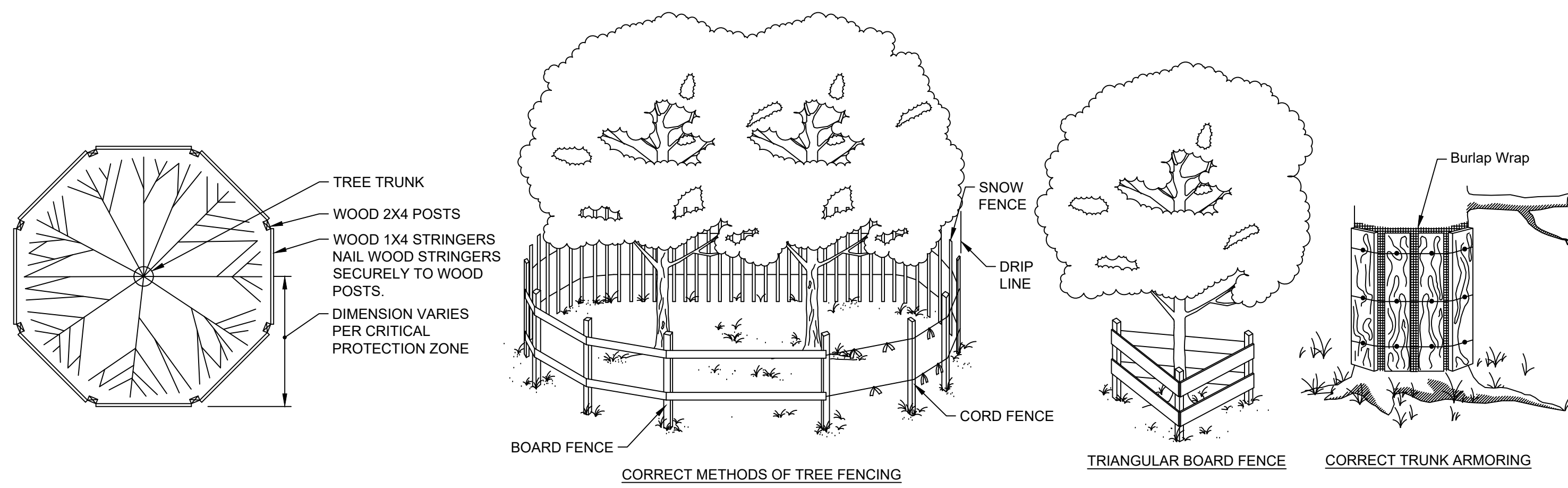


STAKING PLAN

C103

11/25/2024

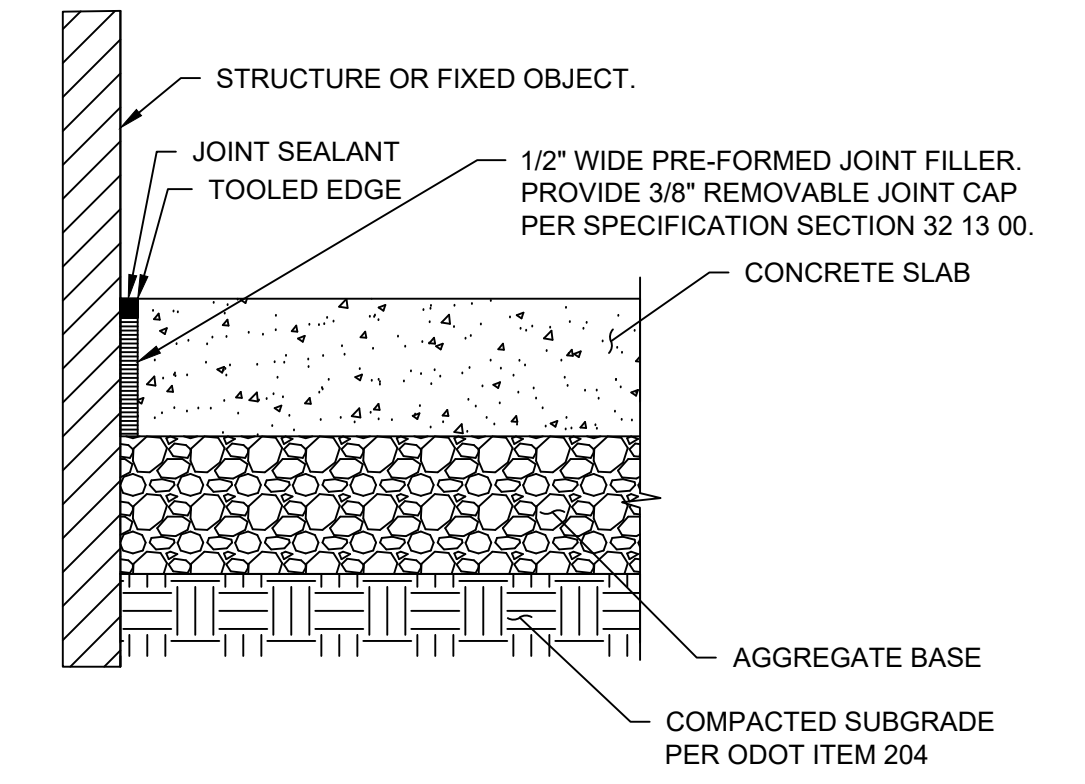
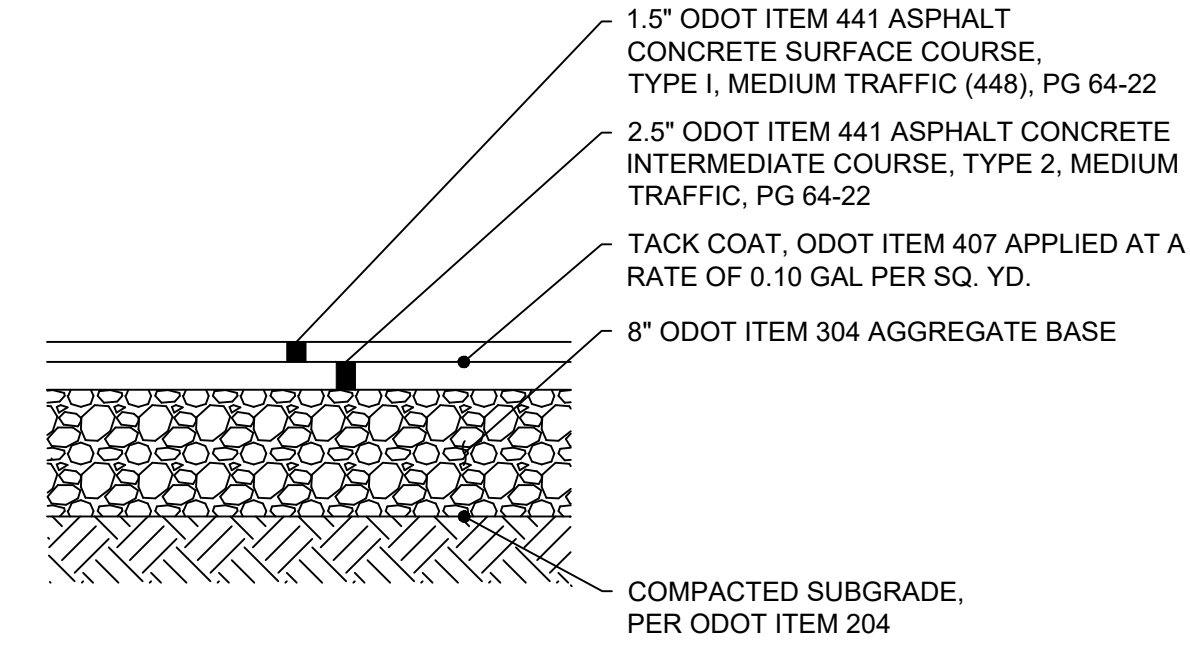
23070



NOTES:

1. COMPOSE HOT MIX ASPHALT MIXTURE WITH AGGREGATE AND ASPHALT BINDER MEETING ODOT REQUIREMENTS.
2. SUBMIT AN APPROVED JOB MIX FORMULA INCLUDING MIX TYPE PROPOSED FOR USE, AGGREGATE SOURCE, TYPE, AND GRADATION, PERCENT OF ASPHALT BINDER, AND UNIT WEIGHT OF THE MIXTURE.
3. OBTAIN JOB MIX FORMULA APPROVAL BY PROVIDING A PREVIOUSLY ODOT APPROVED FORMULA THE AGENCY PERFORMING THE TESTING MUST BE LEVEL III BITUMINOUS CONCRETE APPROVED BY ODOT.
4. PROVIDE QUALITY ASSURANCE TESTING IN ACCORDANCE WITH ODOT ITEM 441 AND SUPPLEMENTAL SPECIFICATION 1055. THE AGENCY PERFORMING THE TESTING MUST HAVE A CURRENT LEVEL I BITUMINOUS CONCRETE APPROVAL FROM ODOT.
5. PROVIDE COMPACTION RANGING FROM 90 TO 97.9% OF THE AVERAGE MAXIMUM SPECIFIC GRAVITY FOR SURFACE COURSE AND 90 TO 96.9% FOR INTERMEDIATE COURSE. REMOVE AND REPLACE MATERIAL PLACED OUTSIDE OF SAID RANGES. PROVIDE REPLACEMENT PAVEMENT AND QUALITY ASSURANCE TESTING AT NO ADDITIONAL COST TO THE OWNER.

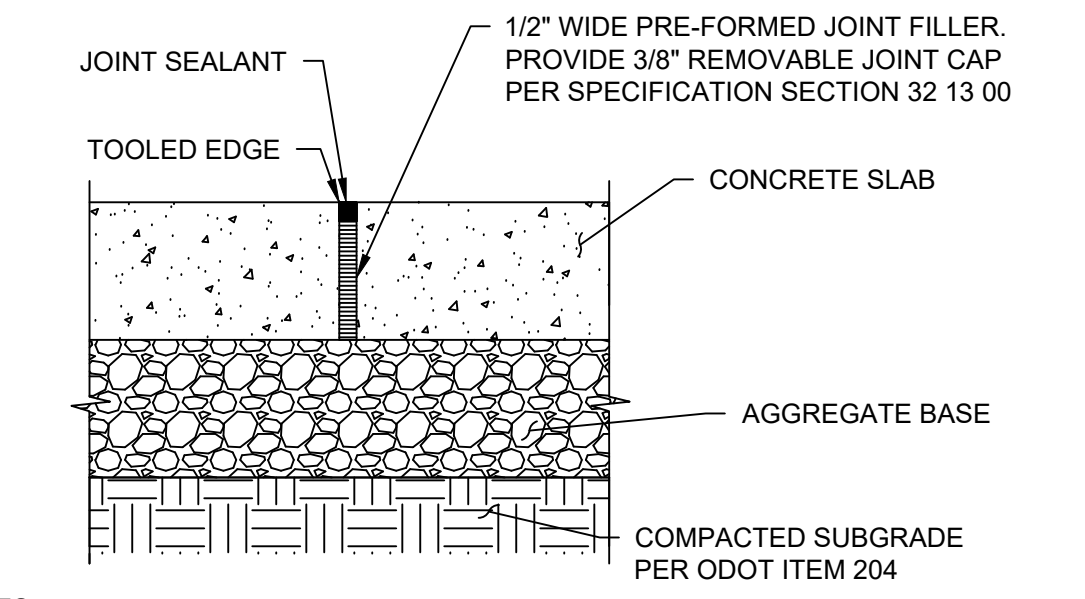
B DETAIL LIGHT DUTY ASPHALT PAVEMENT (ALTERNATE B) N.T.S.



NOTES:

1. PLACE ISOLATION JOINTS WHERE NEW CONCRETE SLAB ABUTS STRUCTURES OR FIXED OBJECTS INCLUDING: BUILDINGS, WALLS, COLUMNS, POLE BASES, CURBS, CATCH BASINS, EXISTING CONCRETE, OR AS NOTED ON THE STAKING PLAN.
2. PROVIDE AT FORMED EDGE OF PREVIOUSLY POURED SLABS. SEAL JOINT WITH JOINT SEALANT, SEE SPECIFICATION SECTION 32 13 00.
3. SUBMIT SAMPLE FOR COLOR APPROVAL. PRE-FORMED JOINT FILLER - NON-IMPREGNATED TYPE, CLOSED CELL RESILIENT POLYETHYLENE FOAM, 1/2\"/>

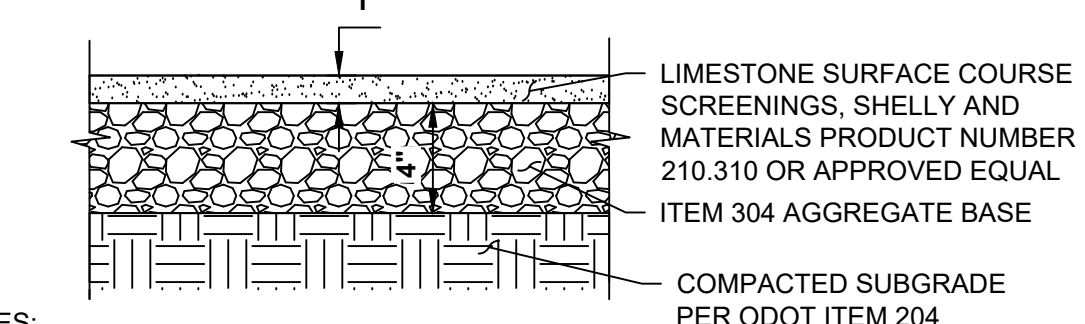
C DETAIL CONCRETE ISOLATION JOINT N.T.S.



NOTES:

1. PROVIDE WHEN SPECIFICALLY SHOWN ON THE DRAWINGS OR WHEN PLACING CONCRETE DURING TEMPERATURES LESS THAN 40°F. REFER TO SPECIFICATION SECTION 32 13 00 FOR LOCATION.
2. SEAL JOINT WITH JOINT SEALANT, SEE SPECIFICATION SECTION 32 13 00.
3. SUBMIT SAMPLE FOR COLOR APPROVAL. PRE-FORMED JOINT FILLER - NON-IMPREGNATED TYPE, CLOSED CELL RESILIENT POLYETHYLENE FOAM, 1/2\"/>

H DETAIL CONCRETE EXPANSION JOINT N.T.S.

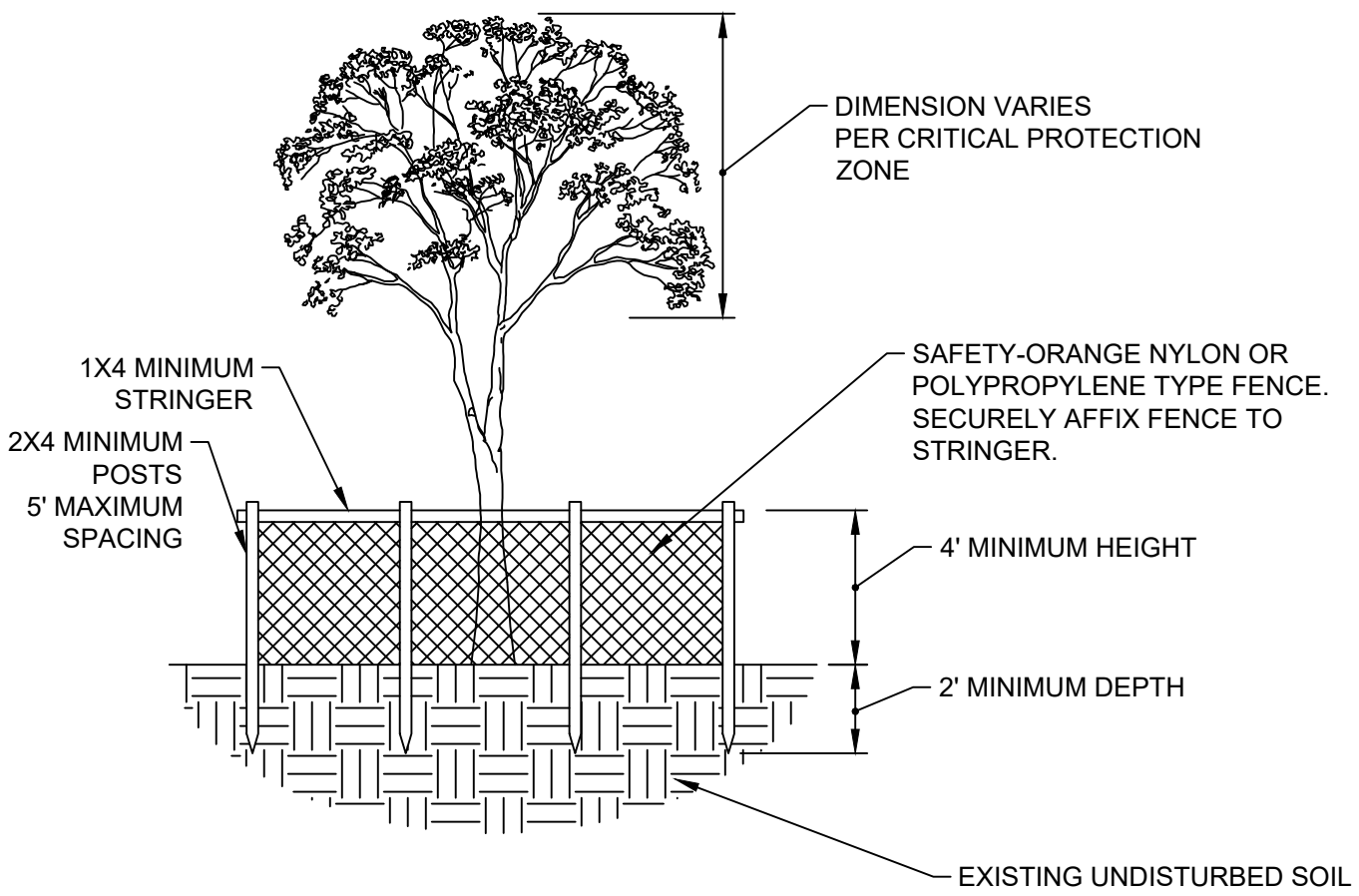


NOTES:

1. ALL PAVEMENT MATERIALS SHALL MEET ODOT STANDARDS & SPECS, LATEST EDITION.
2. CONTRACTOR TO PROVIDE A PRODUCT SAMPLE OF THE LIMESTONE SURFACE COURSE FOR APPROVAL PRIOR TO INSTALLATION.

I DETAIL GRAVEL SIDEWALK N.T.S.

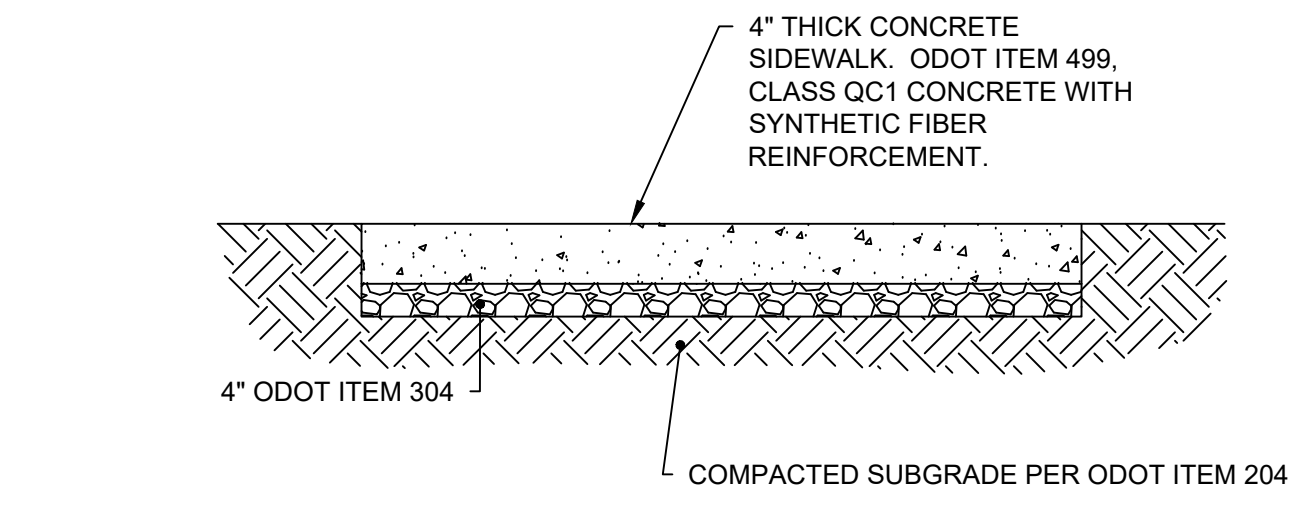
A DETAIL TREE PROTECTION BARRICADE N.T.S.



NOTES:

1. FOR GROUPS OF TREES, PLACE THE BARRICADES AT THE DRIP LINE AROUND THE GROUP'S PERIMETER AND BETWEEN TREES AND CONSTRUCTION ACTIVITY.
2. INSTALLATION OF TREE PROTECTION BARRICADES SHALL BE PERFORMED BEFORE ANY SITE DEVELOPMENT ACTIVITY TAKES PLACE.
3. THE TREE PROTECTION BARRICADES SHALL REMAIN IN PLACE THROUGHOUT THE CONSTRUCTION PHASE AND UNTIL SITE DEVELOPMENT ACTIVITIES ARE FULLY COMPLETE.
4. ANY DAMAGE THAT MAY OCCUR TO THE BARRICADES SHALL BE REPAIRED OR REPLACED TO THE ORIGINAL SPECIFICATIONS, WITHIN 24 HOURS OF THE DAMAGE OCCURRING.
5. THE AREA WITHIN THE TREE PROTECTION BARRICADES SHALL NOT BE USED FOR THE STORAGE OF ANY MATERIALS, SUPPLIES OR DEBRIS OR THE DISPOSAL OF ANY SOLID, LIQUID OR GASEOUS MATERIALS THAT COULD CAUSE HARM TO THE TREES.
6. ANY TREE SCHEDULED TO REMAIN IF DAMAGED DURING CONSTRUCTION, SHALL BE REPLACED BY PROVIDING EQUIVALENT MONETARY VALUE.
7. MONETARY TREE VALUE SHALL BE DETERMINED BY USING THE GUIDE FOR PLANT APPRAISAL, PUBLISHED BY THE INTERNATIONAL SOCIETY OF ARBORICULTURE OR OTHER SOURCES AS DETERMINED BY THE CITY FORESTER.
8. PROTECT ALL TREES SCHEDULED TO REMAIN, BEFORE AND DURING CONSTRUCTION ACTIVITIES WITH BARRICADES.
9. ANY PROPOSED UNDERGROUND UTILITIES SHALL BE ROUTED AROUND PROTECTED TREES TO THE OUTSIDE OF THE TREE'S DRIPLINE. IF THIS IS NOT FEASIBLE, AS DETERMINED BY THE DESIGNER, A SLEEVE MAY BE USED UNDER THE TREE, PROVIDED THAT ACCEPTABLE HORTICULTURAL/ARBORCULTURAL PRACTICES ARE ADHERED TO.
10. TREE PROTECTION BARRICADES SHALL BE LOCATED TO PROTECT A MINIMUM OF 75% OF THE CRITICAL PROTECTION ZONE. THE CRITICAL PROTECTION ZONE - ONE FOOT FOR EVERY INCH OF DIAMETER BRESTH HEIGHT (DBH) OVER 6 INCH CALIPER TREE, 15' RADIUS OR DRIP LINE, WHICHEVER IS GREATER.

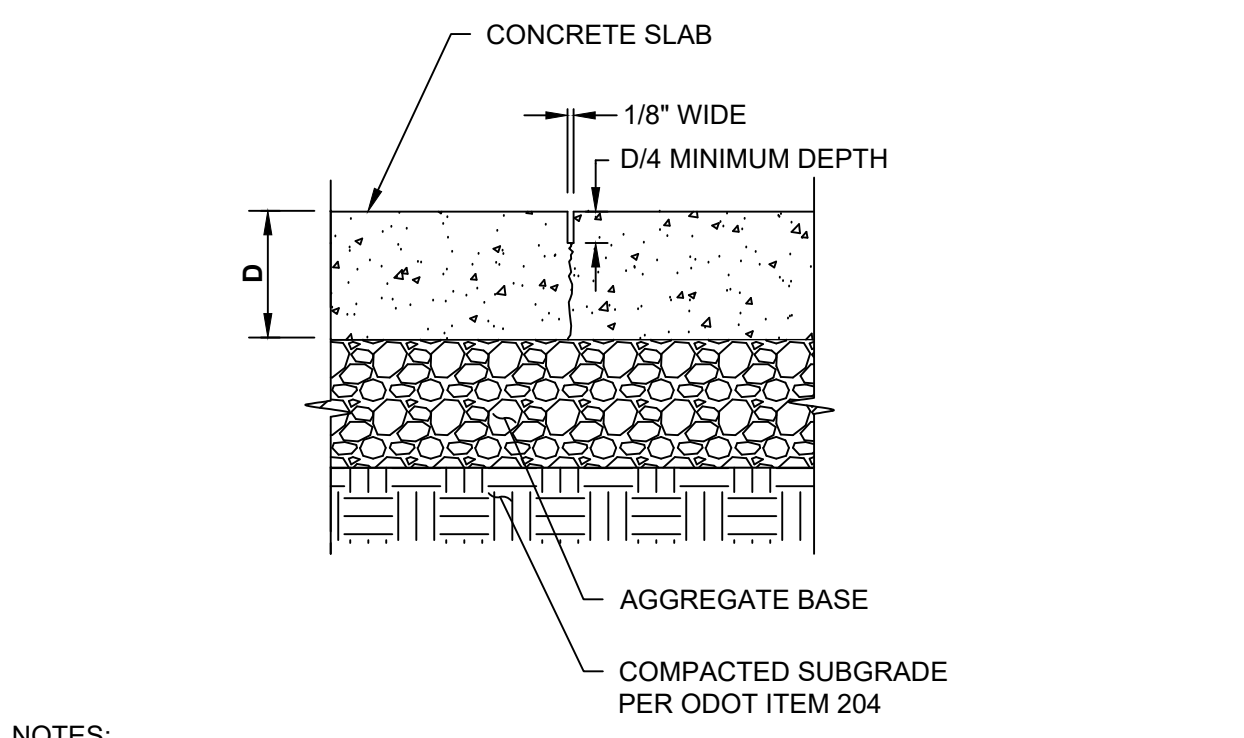
EXISTING UNDISTURBED SOIL



NOTES:

1. SYNTHETIC FIBER REINFORCEMENT: ASTM C1116-97 AND ASTM C1018-97. ACCEPTABLE PRODUCTS INCLUDE, BUT ARE NOT LIMITED TO:
 1. NYCON NYLON FIBERS
 2. FORTA NYLO-MONO NYLON FIBERS
 3. FIBERMESH FIBERMIX STEALTH POLYPROPYLENE FIBERS
 4. GRACE POLYPROPYLENE FIBERS
 SYNTHETIC FIBER REINFORCEMENT SHALL BE USED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. DOSAGE RATE SHALL BE AS RECOMMENDED BY THE MANUFACTURER, BUT NOT LESS THAN 1 POUND PER CUBIC YARD.
2. DISSIPATING CURING COMPOUND: COMPLY WITH ASTM C309-98A, TYPE 1, CLASS B (CLEAR), EXCEPT MOISTURE LOSS NOT TO EXCEED 0.40 KG/SO M. IN 72 HOURS. COMPOUND SHALL COMPLY WITH EPA'S VOC REQUIREMENTS. APPLY AT THE MANUFACTURER'S WRITTEN RECOMMENDED APPLICATION RATE. COMPLETELY REMOVE CURING COMPOUND PRIOR TO APPLICATION OF PENETRATING SEALER.
3. PENETRATING SEALER: ACCEPTABLE PRODUCTS INCLUDE, BUT ARE NOT LIMITED TO:
 1. L&M CONSTRUCTION CHEMICALS - AQUAPEL PLUS 40
 2. PROSOCO - SALTGUARD WB
 3. HULS AMERICA INC. - CHEM-TRETE BSM 40
 4. MASTER BUILDERS INC. - MASTERSEAL SL 40
 5. LYMTAL INTERNATIONAL - ISO-FLEX 619-50 WB
 6. BASF - ENVIROSEAL 40 OR HYDROZO SILANE 40
 7. TEX-COTE - RAINSTOPPER RS140

D DETAIL LIGHT DUTY CONCRETE SIDEWALK N.T.S.

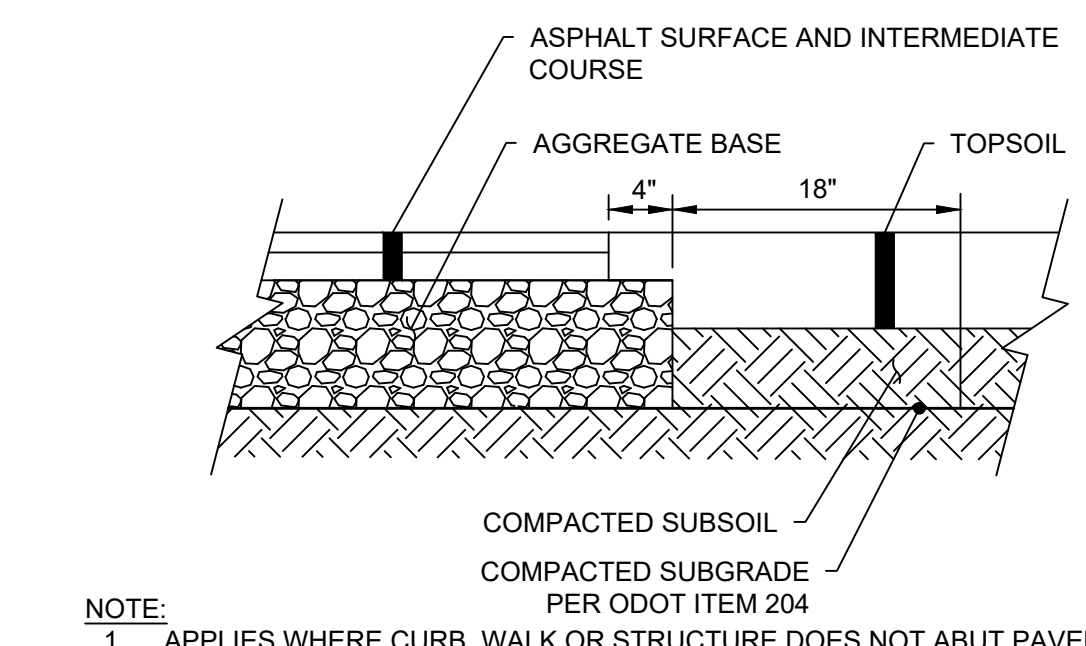


NOTES:

1. PLACE CONTROL JOINTS WITHIN 8 HOURS OF CONCRETE PLACEMENT AND AT LOCATIONS INDICATED ON THE STAKING PLAN. IF JOINTS ARE NOT SHOWN ON STAKING PLAN, PROVIDE AT LOCATIONS INDICATED BELOW:
 - A. SPACING (IN FEET) SHALL BE BETWEEN 2 TO 2-1/2 TIMES SLAB THICKNESS (IN INCHES IN BOTH DIRECTIONS (I.E. 4\"/>

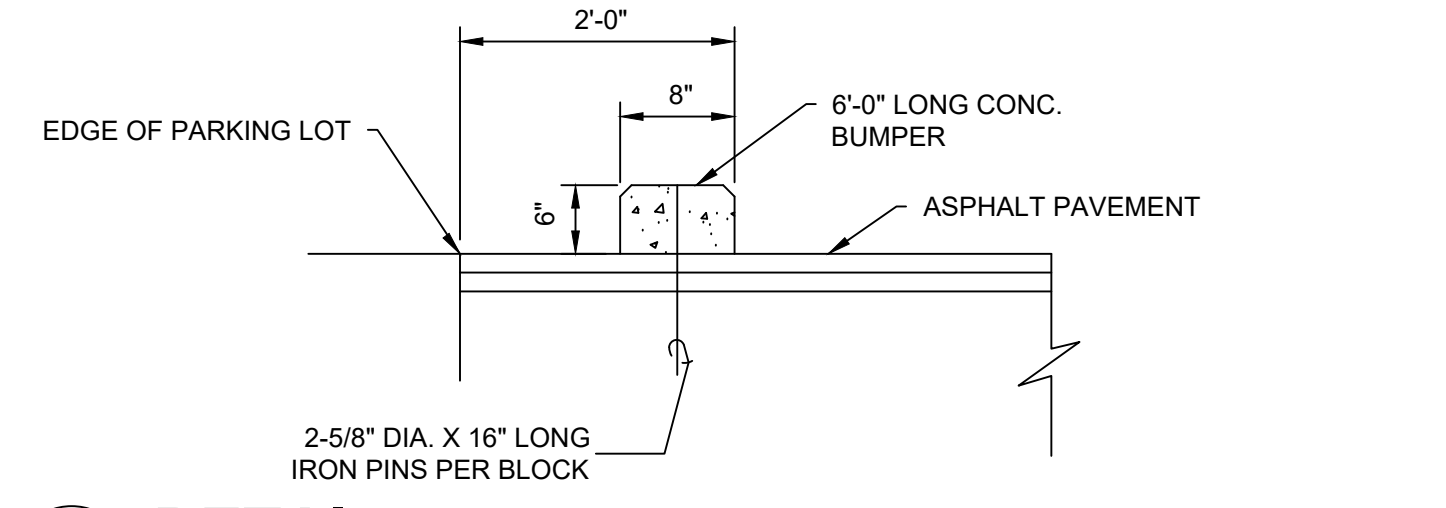
E DETAIL SAW CUT CONCRETE CONTROL JOINT- LONGITUDINAL OR TRANSVERSE N.T.S.

F DETAIL ASPHALT PAVEMENT EDGE (ALTERNATE B) N.T.S.



NOTE:

1. APPLIES WHERE CURB, WALK OR STRUCTURE DOES NOT ABUT PAVEMENT.



G DETAIL BUMPER BLOCK N.T.S.

REVISIONS	MARK	DATE	DESCRIPTION

STAKING DETAILS

Revision Schedule

#	Description	Date

DELAWARE COUNTY, OHIO
FINAL ENGINEERING PLAN
FOR
MCCAMMON CREEK PARK
PHASE 2

KORDA
KORDA NEMETH ENGINEERING
1650 WATERMARK DRIVE, SUITE 200
COLUMBUS, OHIO 43215-1010
TEL: 614-467-1650 FAX: 614-467-1651 WEB: www.korda.com

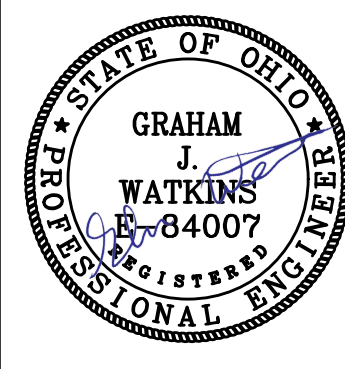
DATE: 11/17/2023

JOB NO.: 2023-0006

SHEET: 8/21

KORDA
KORDA NEMETH ENGINEERING
1650 WATERMARK DRIVE
SUITE 200
COLUMBUS, OHIO 43215

DRAWN BY: EAM
DESIGNED BY: EAM
CHECKED BY: GJW
PROJECT NUMBER: 2023-0006



REVISIONS	MARK	DATE	DESCRIPTION

STAKING DETAILS

DELAWARE COUNTY, OHIO
FINAL ENGINEERING PLAN
FOR
**MCCAMMON CREEK PARK
PHASE 2**

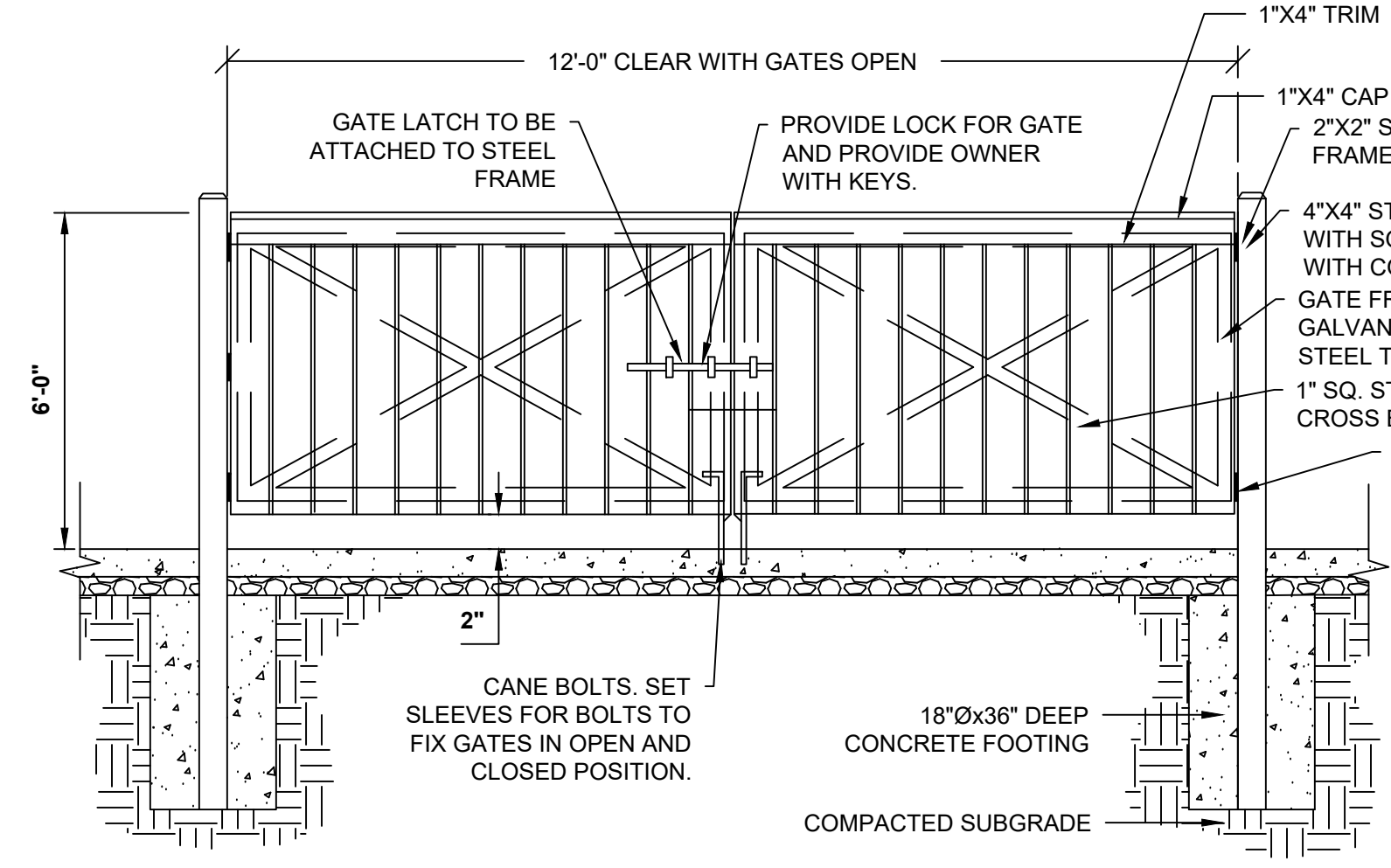
KORDA
Korda/Nemeth Engineering, Inc. - Consulting Engineers
1650 Watermark Drive, Suite 200 - Columbus, Ohio 43215-1010
TEL: 614-487-1650 FAX: 614-487-0391 WEB: www.korda.com

DATE
11/17/2023

JOB NO.
2023-0006

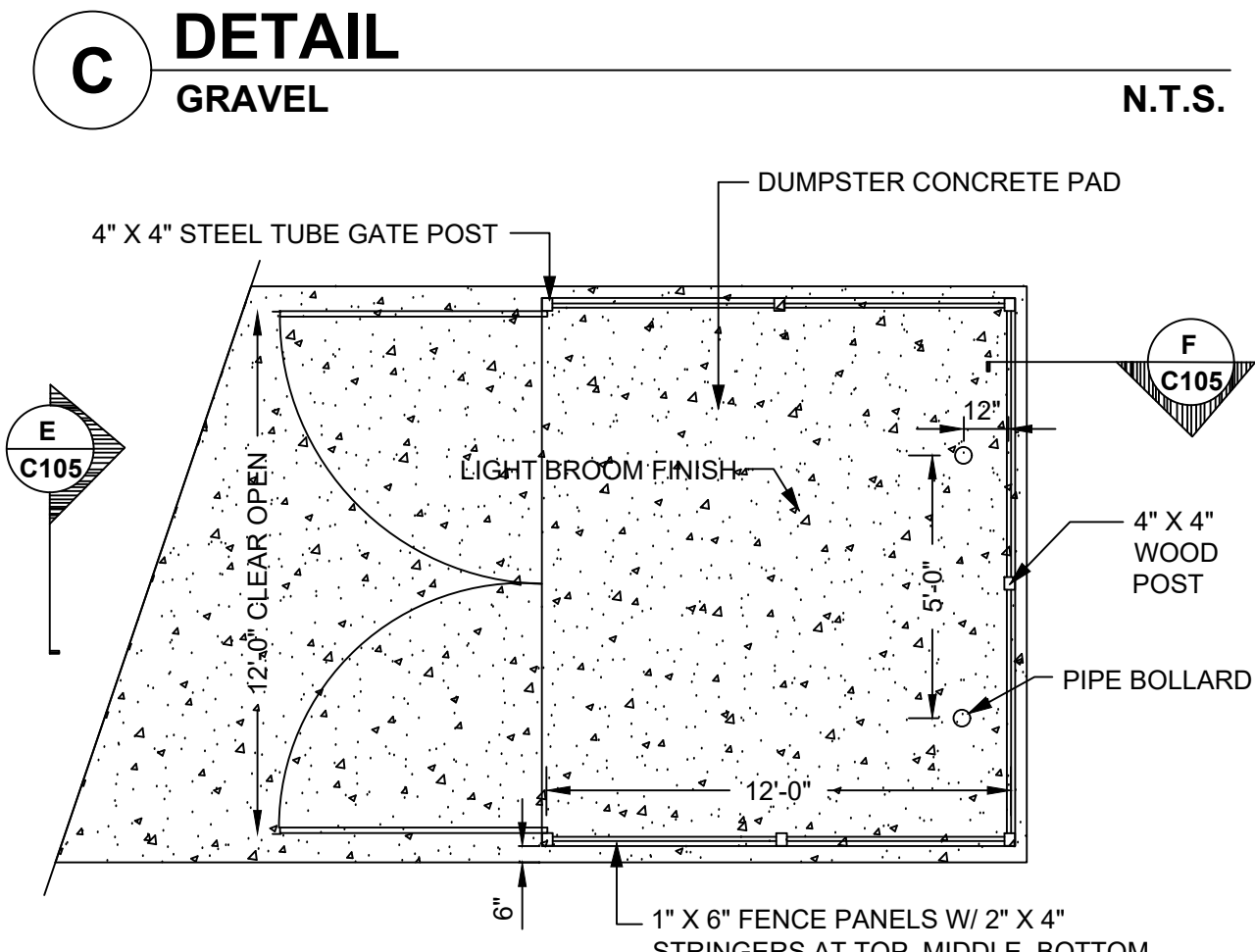
SHEET
9/21

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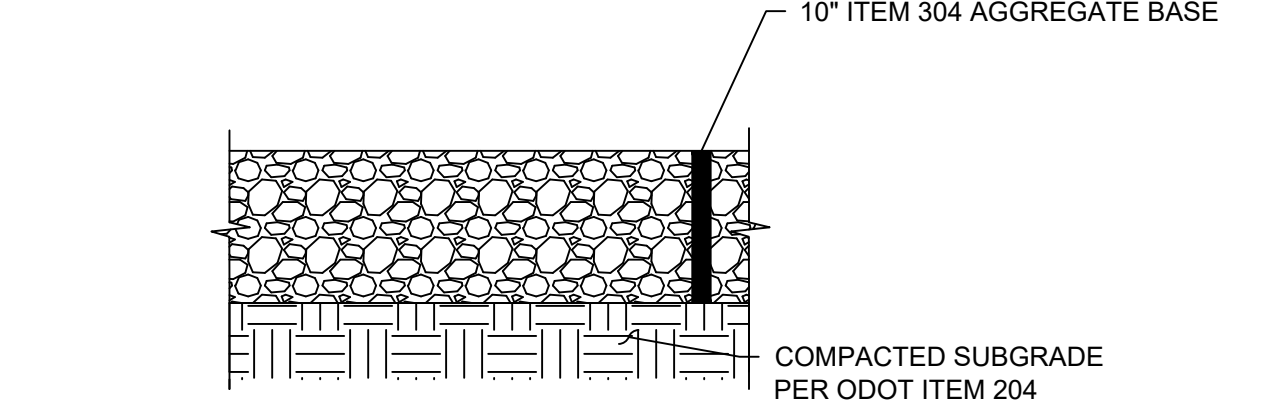


- NOTES:
1. PROVIDE SHOP DRAWINGS FOR APPROVAL PRIOR TO FABRICATION.
2. ALL STEEL TO BE GALVANIZED AND SHOP PRIMED FOR FIELD PAINTING.
3. ALL METAL AND WOOD MATERIALS TO BE PAINTED TO MATCH ACCESSORY BUILDING.

E DETAIL WOOD DUMPSTER ENCLOSURE N.T.S.

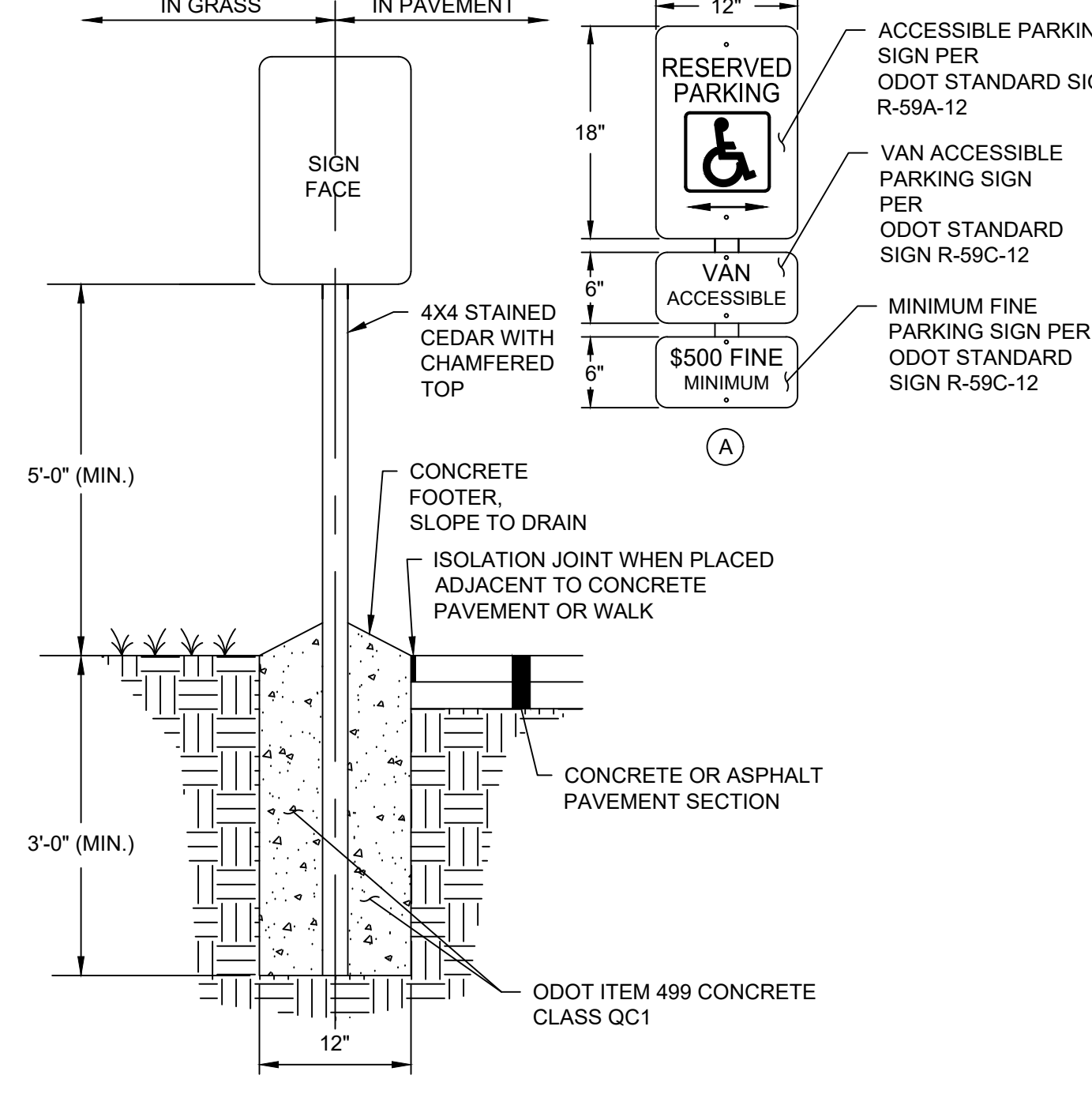


D DETAIL WOOD DUMPSTER ENCLOSURE N.T.S.



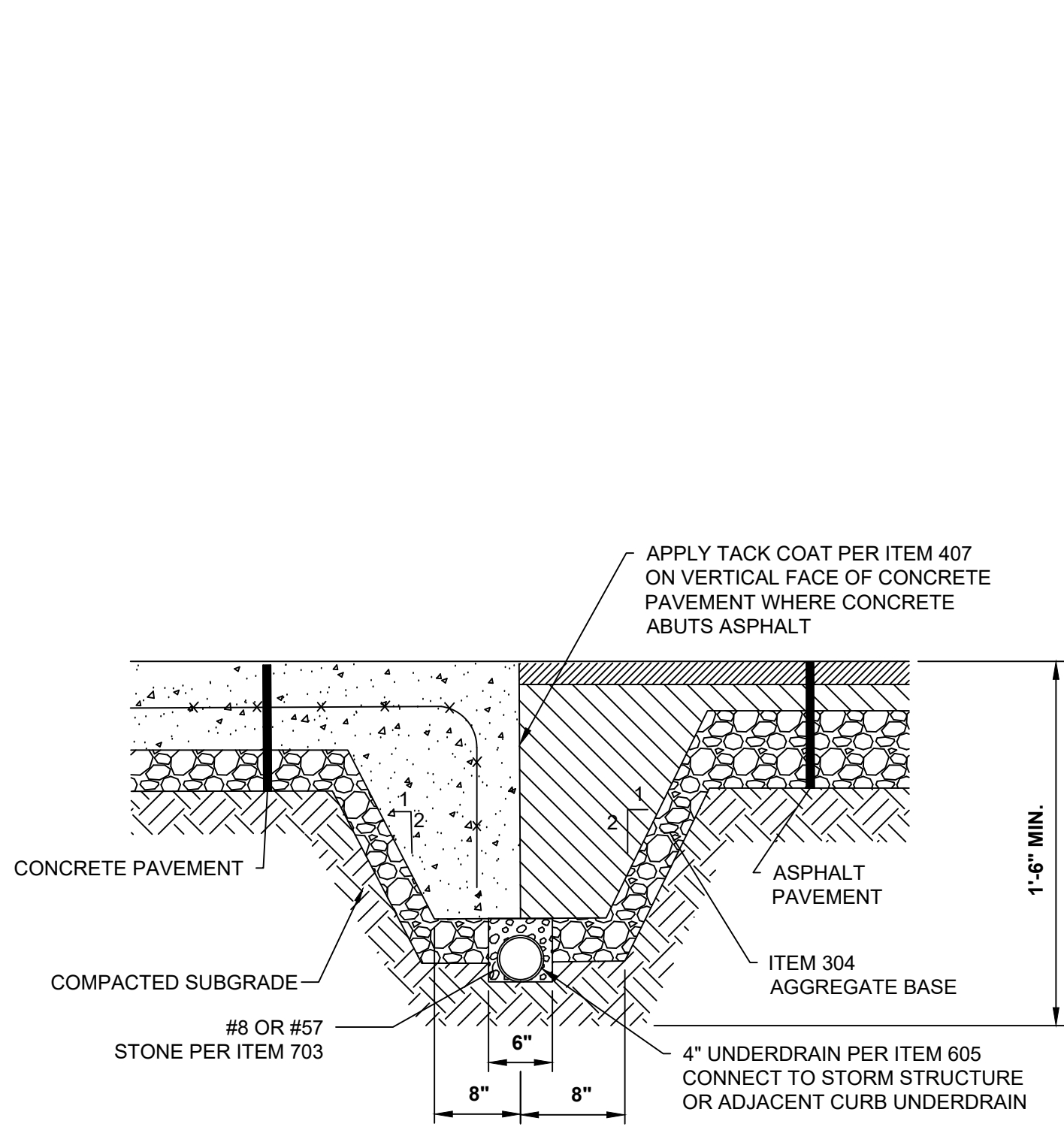
- NOTES:
1. ALL PAVEMENT MATERIALS SHALL MEET ODOT STANDARDS & SPECS, LATEST EDITION. PAVEMENT SECTION SHOWN FOR BIDDING PURPOSES ONLY.

C DETAIL GRAVEL N.T.S.



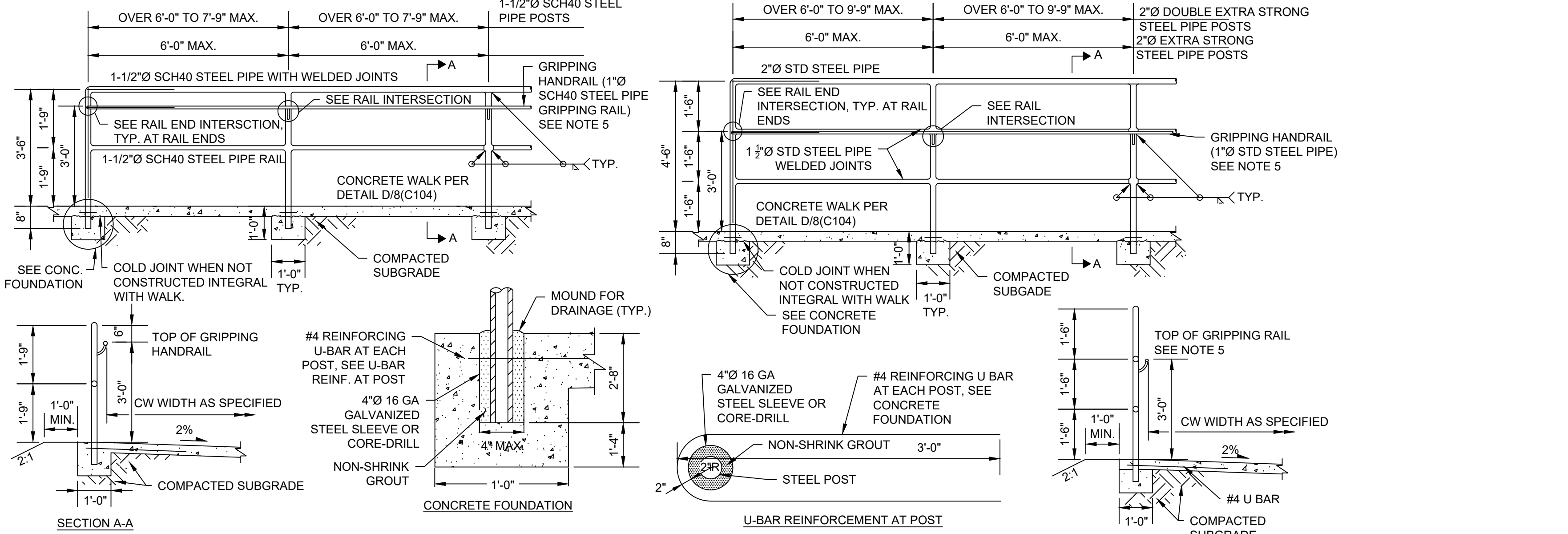
- NOTES:
1. PROVIDE SIGN IN ACCORDANCE WITH ODOT ITEM 630.
2. PROVIDE 0.063 THICK, FLAT ALUMINUM SIGN PANELS.
3. PROVIDE REFLECTIVE FINISH ON SIGN.
4. PROVIDE PERMANENT WEATHERPROOF ALUMINUM CAP ON POST TOP.
5. PROVIDE "VAN ACCESSIBLE" SIGN WHERE NOTED ON DRAWINGS.
6. ATTACH SIGNS WITH UNISTRUT UNIVERSAL DRIVE RIVET OR APPROVED EQUAL.
7. ACCESSIBLE SIGNAGE TO BE AS SHOWN UNLESS OTHERWISE SPECIFIED BY LOCAL CODE.

B DETAIL PARKING SIGNS N.T.S.



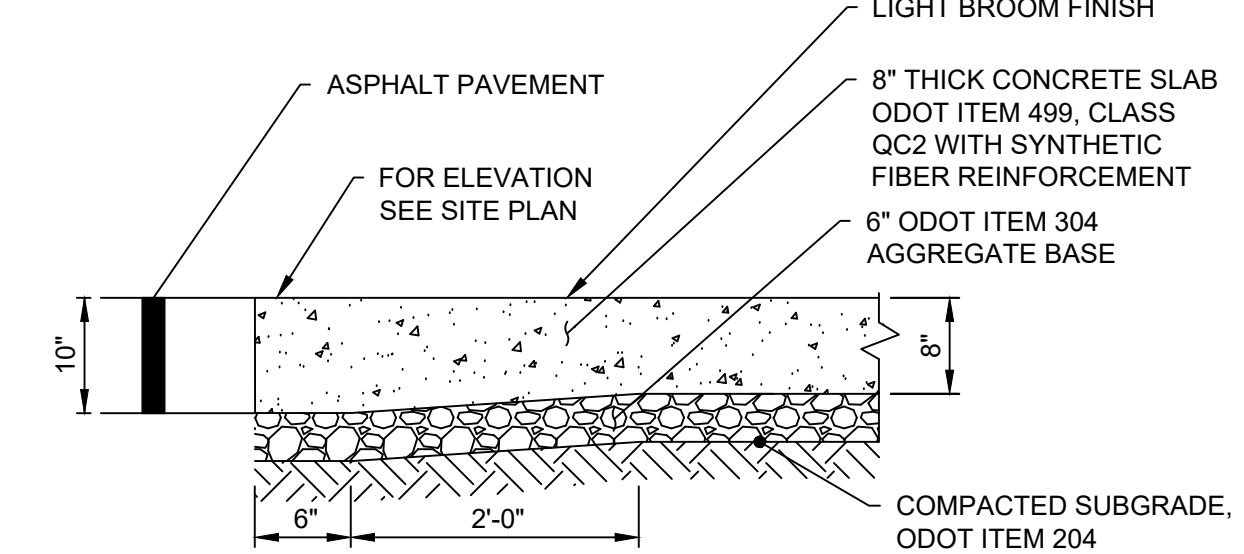
- NOTE:
1. CONTRACTOR SHALL PROVIDE TURNDOWN ANYWHERE ASPHALT AND CONCRETE OR CONCRETE BASE PAVEMENT MEET.

A DETAIL ASPHALT CONCRETE TURNDOWN SLAB (ALTERNATE B) N.T.S.



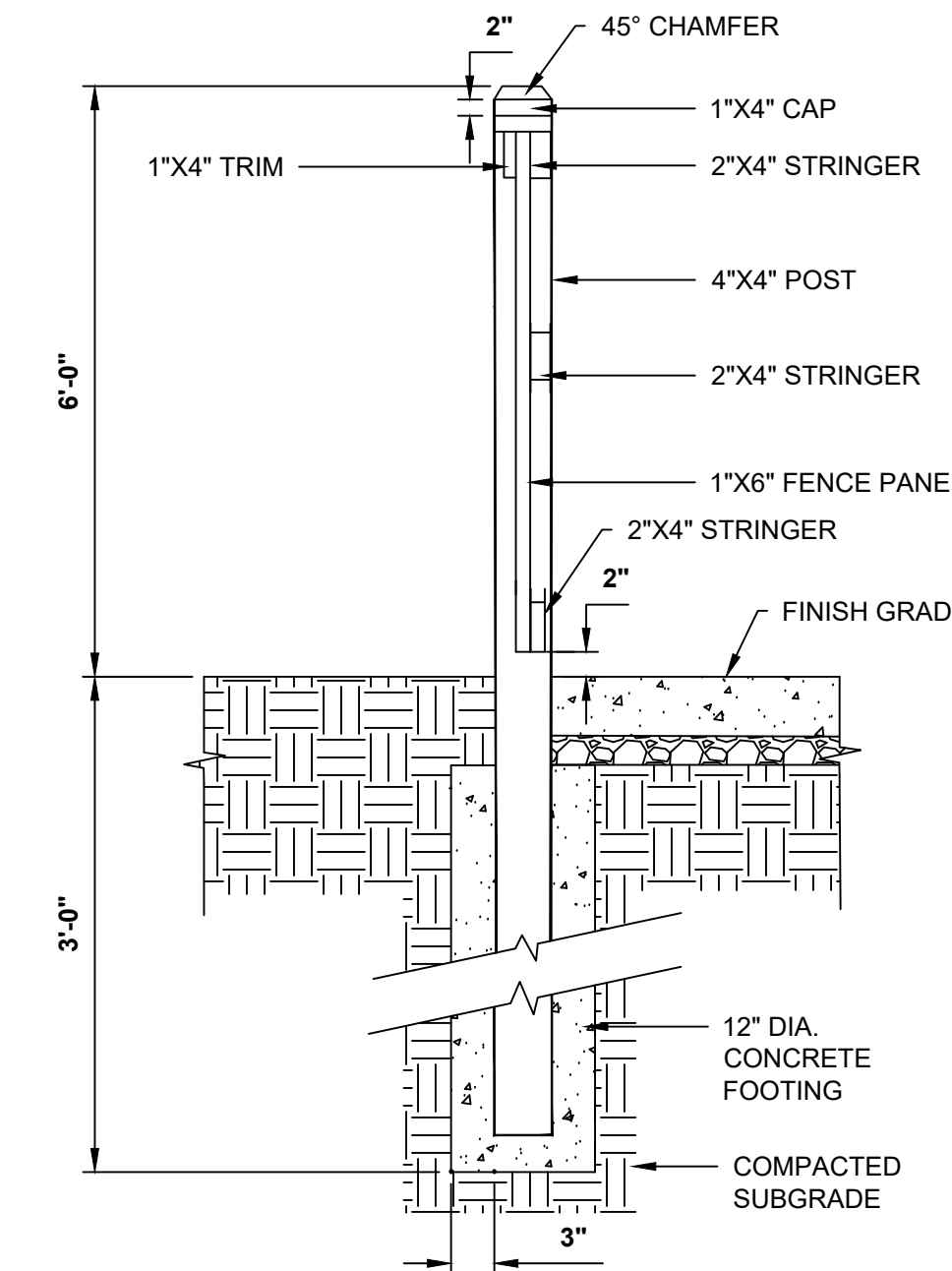
- NOTES:
1. RAILING SHALL BE HOT DIP GALVANIZED AFTER FABRICATION.
2. ALL POSTS SHALL BE PLUMB AND RAILS PARALLEL TO THE GROUND.
3. PIPE MATERIAL SHALL CONFORM TO ASTM A53.
4. REINFORCING STEEL ASTM A615 GR 60.
5. IF THE CONCRETE WALK SLOPE IS 5% OR GREATER A GRIPPING HANDRAIL IS REQUIRED. SEE RAIL/RAIL END INTERSECTION DETAILS.
6. PIPE DIAMETERS SHOWN ARE "NOMINAL" DIAMETERS AS GIVEN IN AMERICAN INSTITUTE OF STEEL CONSTRUCTION MANUAL.

H DETAIL PEDESTRIAN RAILS N.T.S.



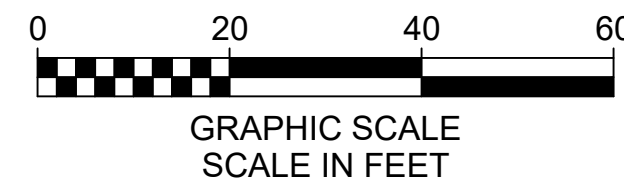
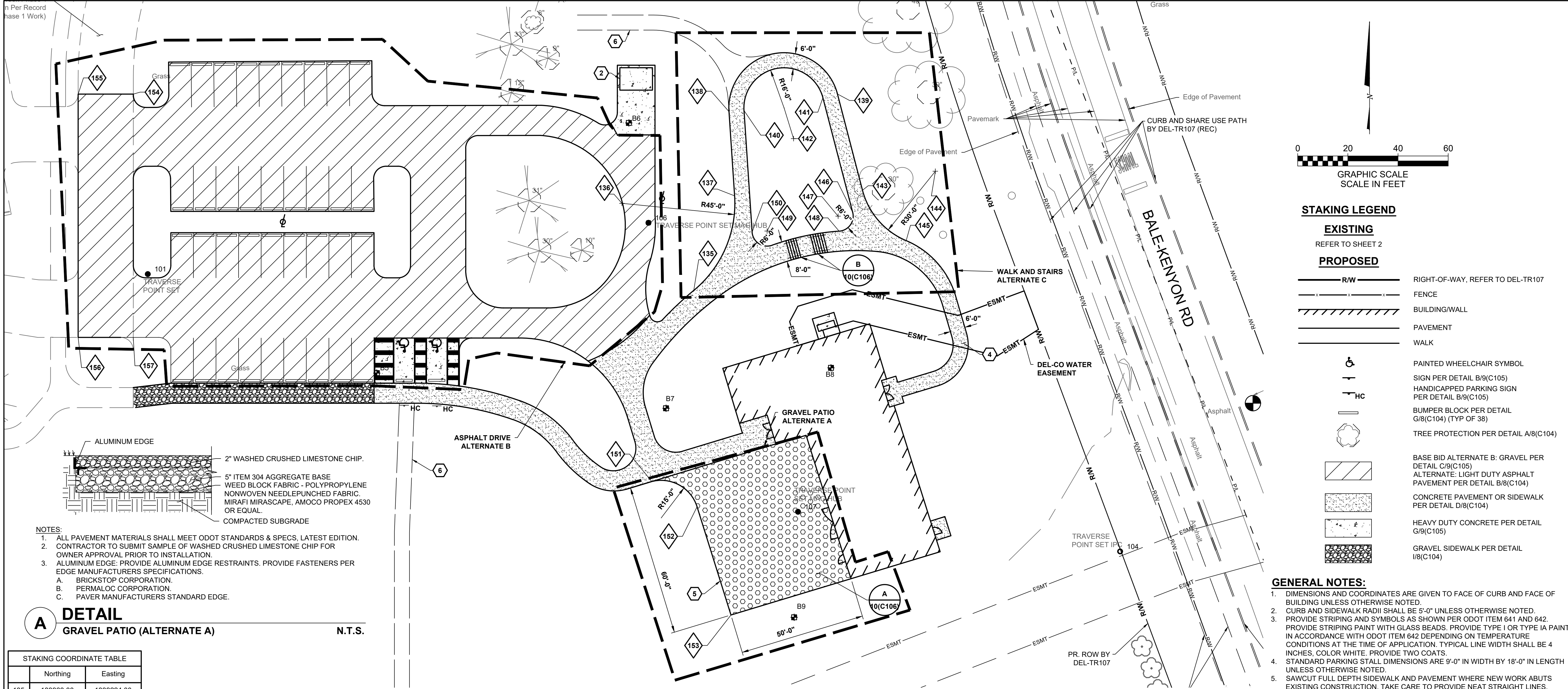
- NOTES:
1. PROVIDE JOINTS AS INDICATED ON DRAWINGS. IN ABSENCE OF INFORMATION ON THE DRAWINGS, LOCATE AS SPECIFIED IN SECTION 32 13 00.
2. PROVIDE CONTROL AND ISOLATION JOINTS PER DETAILS ON SHEET 8(C104).
3. SYNTHETIC FIBER REINFORCEMENT: ASTM C1116/C1116M-10A(2015). ACCEPTABLE PRODUCTS OR APPROVED EQUAL:
A. NYCON RC OR PROCON-M POLYPROPYLENE FIBER NYLON FIBERS BY NYCON.
B. NYLO-MONO NYLON FIBERS OR MIGHTY-MONO POLYPROPYLENE FIBERS BY FORTA
C. FIBERMESH 150 POLYPROPYLENE FIBERS BY PROPEX.
D. SINTA F19 OR SINTA M2219 BY GCP APPLIED TECHNOLOGIES
E. PSI FIBERSTRAND 150 BY EUCLID
4. SYNTHETIC FIBER REINFORCEMENT SHALL BE USED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. DOSAGE RATE SHALL BE AS RECOMMENDED BY THE MANUFACTURER, BUT NOT LESS THAN 1 POUND PER CUBIC YARD.
5. DISSIPATING CURING COMPOUND: COMPLY WITH ASTM C309-98A, TYPE 1, CLASS B (CLEAR), EXCEPT MOISTURE LOSS NOT TO EXCEED 0.40 KG/SQ M. IN 72 HOURS. COMPOUND SHALL COMPLY WITH EPA'S VOC REQUIREMENTS. APPLY AT THE MANUFACTURER'S WRITTEN RECOMMENDED APPLICATION RATE. COMPLETELY REMOVE CURING COMPOUND PRIOR TO APPLICATION OF PENETRATING SEALER.
6. PENETRATING SEALER: ACCEPTABLE PRODUCTS OR APPROVED EQUAL:
A. L&M CONSTRUCTION CHEMICALS - AQUAPEL PLUS 40
B. PROSOCO - SALTGUARD WB
C. HULS AMERICA INC. - CHEM-TRETE BSM 40
D. MASTER BUILDERS INC. - MASTERSEAL SL 40
E. LYMTAL INTERNATIONAL - ISO-FLEX 618-50 WB
F. BASF - ENVIROSEAL 40 OR HYDROZO SILANE 40
G. TEX-COTE - RAINSTOPPER RS140
7. IF CONCRETE INSTALLED OCTOBER-MARCH, WAIT UNTIL APRIL-SEPTEMBER TO APPLY PENETRATING SEALER. IF SCHEDULE DOES NOT ALLOW FOR APPLICATION OF SEALER, PROVIDE CREDIT FOR NON-PERFORMANCE.

G DETAIL HEAVY DUTY CONCRETE SLAB N.T.S.



F DETAIL WOOD DUMPSTER ENCLOSURE WALL N.T.S.

In Per Record
Base 1 Work



STAKING LEGEND

- EXISTING**
REFER TO SHEET 2
- PROPOSED**
- RW: RIGHT-OF-WAY, REFER TO DEL-TR107
 - FENCE
 - BUILDING/WALL
 - PAVEMENT
 - WALK
 - PAINTED WHEELCHAIR SYMBOL
 - SIGN PER DETAIL B/9(C105)
 - HANDICAPPED PARKING SIGN PER DETAIL B/9(C105)
 - BUMPER BLOCK PER DETAIL G/8(C104) (TYP OF 38)
 - TREE PROTECTION PER DETAIL A/8(C104)
 - BASE BID ALTERNATE B: GRAVEL PER DETAIL C/9(C105)
 - ALTERNATE: LIGHT DUTY ASPHALT PAVEMENT PER DETAIL B/8(C104)
 - CONCRETE PAVEMENT OR SIDEWALK PER DETAIL D/8(C104)
 - HEAVY DUTY CONCRETE PER DETAIL G/9(C105)
 - GRAVEL SIDEWALK PER DETAIL I/8(C104)

GENERAL NOTES:

- DIMENSIONS AND COORDINATES ARE GIVEN TO FACE OF CURB AND FACE OF BUILDING UNLESS OTHERWISE NOTED.
- CURB AND SIDEWALK RADII SHALL BE 5'-0" UNLESS OTHERWISE NOTED.
- PROVIDE STRIPING AND SYMBOLS AS SHOWN PER ODOT ITEM 641 AND 642. PROVIDE STRIPING WITH GLASS BEADS. PROVIDE TYPE I OR TYPE IA PAINT IN ACCORDANCE WITH ODOT ITEM 642 DEPENDING ON TEMPERATURE CONDITIONS AT THE TIME OF APPLICATION. TYPICAL LINE WIDTH SHALL BE 4 INCHES, COLOR WHITE. PROVIDE TWO COATS.
- STANDARD PARKING STALL DIMENSIONS ARE 9'-0" IN WIDTH BY 18'-0" IN LENGTH UNLESS OTHERWISE NOTED.
- SAWCUT FULL DEPTH SIDEWALK AND PAVEMENT WHERE NEW WORK ABUTS EXISTING CONSTRUCTION. TAKE CARE TO PROVIDE NEAT STRAIGHT LINES. PROVIDE PAVEMENT SEALANT PER ODOT ITEM 640 AND 641 AT JOINT BETWEEN EXISTING AND NEW ASPHALT. REMOVE CONCRETE TO NEAREST JOINT. PROVIDE 1/2" PREFORMED EXPANSION JOINT FILLER BETWEEN NEW AND EXISTING CONSTRUCTION.
- ANY PROPERTY PINS DAMAGED AS PART OF CONSTRUCTION SHALL BE RESET BY AN OHIO REGISTERED SURVEYOR.
- PROVIDE 1 HANDICAP ACCESSIBLE PARKING SIGNS AND 1 VAN ACCESSIBLE PARKING SIGNS. FINAL LOCATION OF SIGNS TO BE DETERMINED BY ARCHITECT.
- MAINTAIN PEDESTRIAN AND VEHICULAR ACCESS TO ADJACENT BUILDINGS AT ALL TIMES DURING CONSTRUCTION.
- REFER TO ARCHITECTURAL DRAWINGS FOR ALL SITE SIGNAGE NOT SHOWN ON THIS SHEET.
- BUILDING COORDINATES PROVIDED FOR BUILDING LOCATION ONLY. REFER TO ARCHITECTURAL PLANS FOR BUILDING LAYOUT.
- PROVIDE CONCRETE PARKING BLOCKS AT ALL SPACES PER DETAIL G/8(C104).
- PROVIDE CONTROL JOINTS PER DETAIL E/8(C104). PROVIDE ISOLATION JOINTS WHERE NEW CONCRETE ABUTS EXISTING STRUCTURES PER DETAIL C/8(C104) AND PER SPECIFICATIONS.

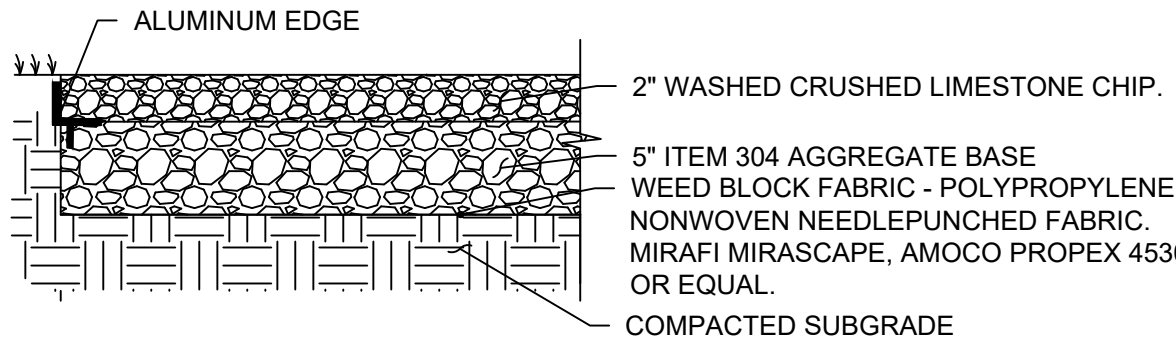
CODED NOTES:

- SAW-CUT EXISTING PAVEMENT WITH NEAT, STRAIGHT LINES. MATCH EXISTING PAVEMENT GRADE AT THIS POINT.
- TRASH ENCLOSURE PER DETAILS D,E,F ON SHEET 9(C105).
- LIGHTPOLES SHOWN FOR REFERENCE, REFER TO ELECTRICAL DRAWINGS.
- ALTERNATE C DOES NOT HAVE RAILINGS ALONG THE WALK.
- BARN STONES BY OWNER.
- FUTURE PATH SHOWN FOR REFERENCE.

ALTERNATE

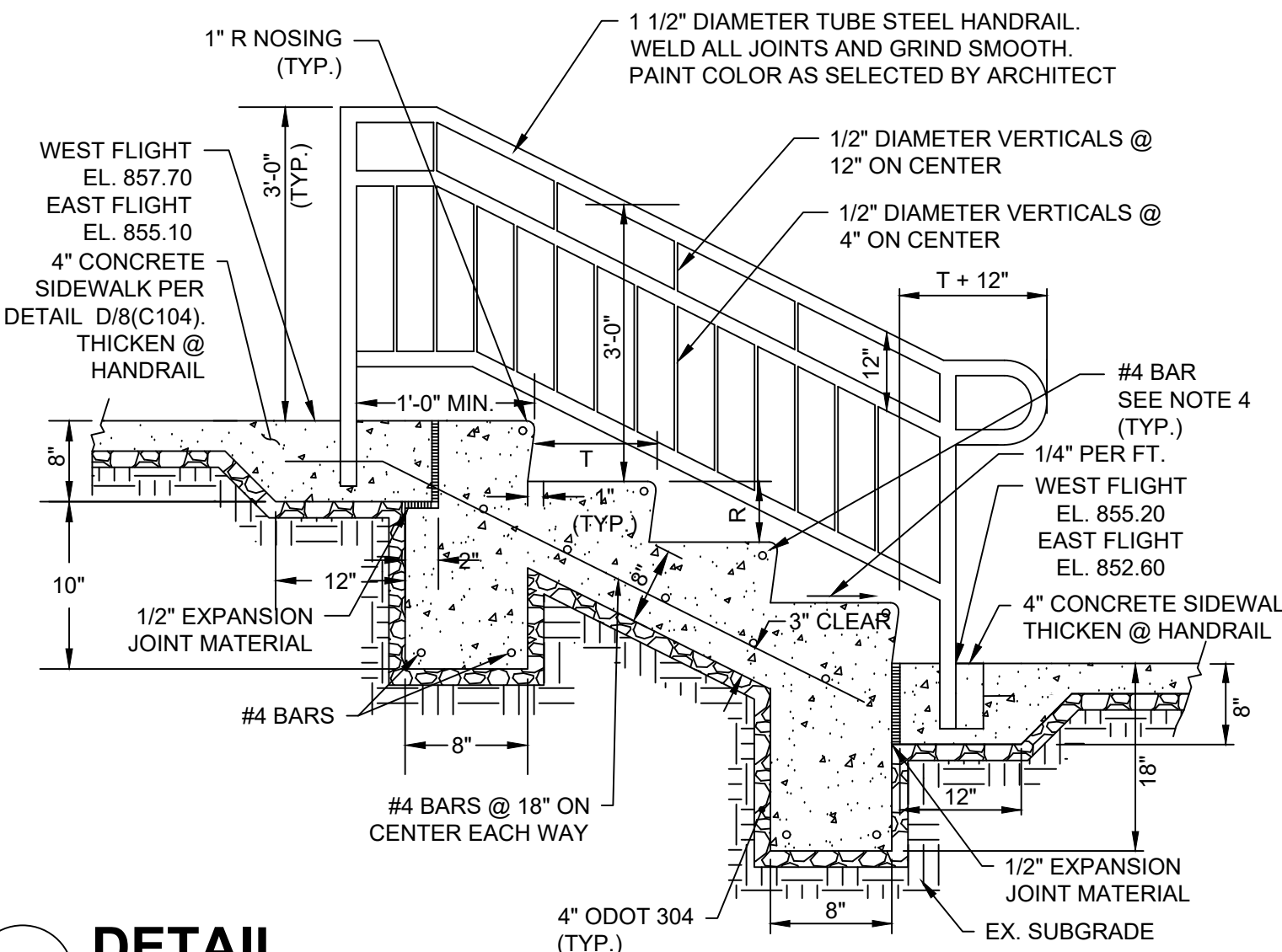
- BASE BID - PROVIDE TOP SOIL AND GRASS. ALTERNATE A - PROVIDE GRAVEL PATIO PER SHEET 10(C106) DETAIL A/10(C106).
- BASE BID - PROVIDE GRAVEL PER DETAIL C/9(C105) AND C/10(C106). ALTERNATE B - PROVIDE ASPHALT PER DETAIL B/8(C104) AND 18(C207).
- BASE BID - PROVIDE TOP SOIL AND GRASS. ALTERNATE C - PROVIDE ALTERNATE WALKING PATH PER SHEET 10(C106) AND 18(C207).

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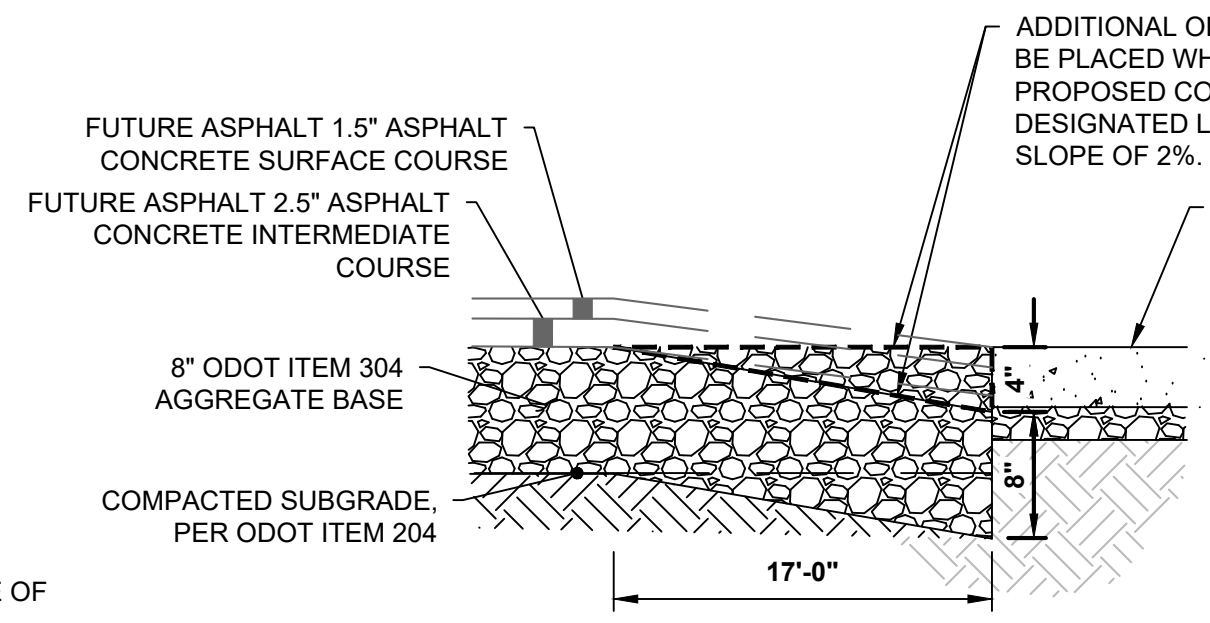


A DETAIL
GRAVEL PATIO (ALTERNATE A) N.T.S.

STAKING COORDINATE TABLE		
	Northing	Easting
135	183963.00	1839224.00
136	183997.73	1839195.38
137	184000.72	1839240.28
138	184034.30	1839238.04
139	184041.30	1839281.28
140	184034.70	1839244.03
141	184039.79	1839275.48
142	184035.77	1839259.99
143	184002.97	1839291.25
144	184010.51	1839320.28
145	183982.86	1839308.65
146	183994.13	1839287.35
147	183992.62	1839281.54
148	183986.63	1839281.96
149	183986.68	1839253.24
150	183986.29	1839247.26
151	183886.82	1839207.29
152	183876.77	1839225.31
153	183833.62	1839238.82
154	184041.28	1839000.63
155	184041.28	1838978.63
156	183944.28	1838978.63
157	183944.28	1839000.60



B DETAIL
SIDEWALK STEPS WITH HANDRAILS (ALTERNATE C) N.T.S.



C DETAIL
GRAVEL TRANSITION N.T.S.

- NOTES:**
- ALL RISERS SHALL BE OF EQUAL HEIGHT AND ALL TREADS SHALL BE OF EQUAL DEPTH ON ANY ONE SET OF STEPS.
R= 5" MIN., 7" MAX.
T= 11" MIN., 15" MAX.
 - HANDRAILS SHALL CONFORM TO ALL APPLICABLE A.D.A REQUIREMENTS. HANDRAILS SHALL BE PROVIDED ON BOTH SIDES OF STAIRS. IF STAIR WIDTH EXCEEDS 12'-0", A HANDRAIL SHALL BE PROVIDED AT THE MIDPOINT OF THE STAIR, AS WELL AS ON BOTH SIDES. HANDRAIL SHALL BE PAINTED STANDARD STEEL HANDRAIL. COLOR SELECTED BY ARCHITECT.
 - PROVIDE A MINIMUM 2" OF COVER AROUND #4 NOSING BARS.

- NOTES:**
- COMPOSE HOT MIX ASPHALT MIXTURE WITH AGGREGATE AND ASPHALT BINDER MEETING ODOT REQUIREMENTS.
 - SUBMIT AN APPROVED JOB MIX FORMULA INCLUDING MIX TYPE PROPOSED FOR USE, AGGREGATE SOURCE, TYPE, AND GRADATION, PERCENT OF ASPHALT BINDER, AND UNIT WEIGHT OF THE MIXTURE.
 - OBTAIN JOB MIX FORMULA APPROVAL BY PROVIDING A PREVIOUSLY ODOT APPROVED FORMULA THE AGENCY PERFORMING THE TESTING MUST BE LEVEL III BITUMINOUS CONCRETE APPROVED BY ODOT.
 - PROVIDE QUALITY ASSURANCE TESTING IN ACCORDANCE WITH ODOT ITEM 441 AND SUPPLEMENTAL SPECIFICATION 1055. THE AGENCY PERFORMING THE TESTING MUST HAVE A CURRENT LEVEL I BITUMINOUS CONCRETE APPROVAL FROM ODOT.
 - PROVIDE COMPACTION RANGING FROM 90 TO 97.9% OF THE AVERAGE MAXIMUM SPECIFIC GRAVITY FOR SURFACE COURSE AND 90 TO 96.9% FOR INTERMEDIATE COURSE. REMOVE AND REPLACE MATERIAL PLACED OUTSIDE OF SAID RANGES. PROVIDE REPLACEMENT PAVEMENT AND QUALITY ASSURANCE TESTING AT NO ADDITIONAL COST TO THE OWNER.

MARK	DATE	DESCRIPTION

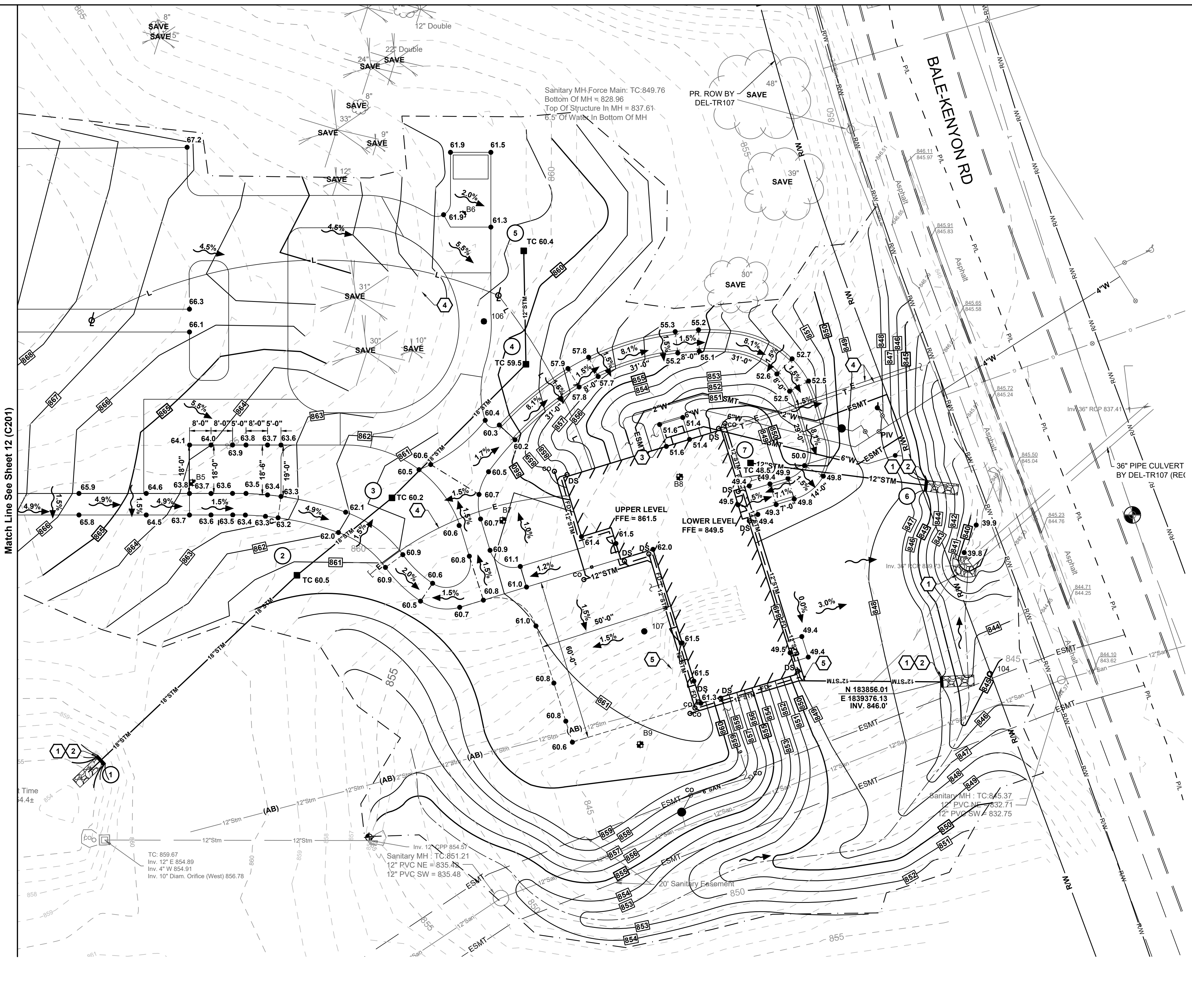
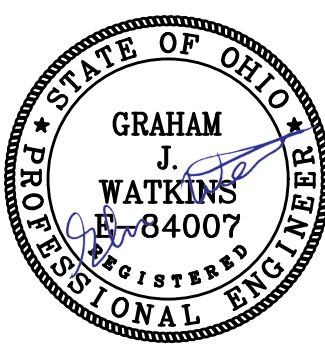
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GRAPHIC SCALE
SCALE IN FEET

EXISTING

REFER TO SHEET 2

PROPOSED

- INDEX CONTOUR
- INTERMEDIATE CONTOUR
- BUILDING WALL
- UNDERGROUND ELECTRIC LINE
- UNDERGROUND TELEPHONE LINE
- WATER LINE
- STORM SEWER
- UNDERDRAIN
- FOUNDATION DRAIN
- SANITARY SEWER
- CATCH BASIN
- DOWNSPOUT ADAPTER
- GATE VALVE & CURB BOX
- GRADE BREAK (CROWN) LINE
- GRADING/SEEDING LIMITS
- SPOT ELEVATION
- TOP OF CASTING
- TOP OF CURB ELEVATION
- GUTTER ELEVATION AT FACE OF CURB
- FLOW DIRECTION ARROW
- HIGH (CROWN) POINT
- EMERGENCY OVERTFLOW
- MATCH EXISTING ELEVATION

GENERAL NOTES:

- PROVIDE 10" UNDERDRAINS IN FOUR DIRECTIONS AT CATCH BASINS IN PAVEMENT.
- PAVEMENT ELEVATIONS REFER TO FINISHED PAVEMENT ELEVATION AT FACE OF CURB UNLESS OTHERWISE NOTED.
- CONSTRUCTION WORK WILL NOT BE PERMITTED WITHOUT APPROVED PLANS AND INSPECTION.
- ADD 800' TO SPOT ELEVATIONS TO OBTAIN U.S.G.S. ELEVATIONS.
- PERFORM WORK IN ACCORDANCE WITH ODOT MATERIAL SPECIFICATIONS AND STANDARD CONSTRUCTION DRAWINGS. IN CASE OF A DISCREPANCY BETWEEN COUNTY OF DELAWARE REQUIREMENTS AND PROJECT SPECIFICATIONS, COUNTY OF DELAWARE STANDARDS SHALL GOVERN.
- SOIL EROSION AND SEDIMENTATION BMP MEASURES, PER SHEET C205, SHALL BE INSTALLED PRIOR TO START OF ANY CONSTRUCTION AND SHALL BE MAINTAINED UNTIL CONSTRUCTION HAS BEEN COMPLETED, INCLUDING GRASS BEING WELL ESTABLISHED AND/OR PERMANENT EROSION AND SEDIMENTATION BMP MEASURES IN PLACE. BMP MEASURES SHALL BE TO THE SATISFACTION OF DELAWARE COUNTY.
- STREET CLEANING (ON AN AS-NEEDED BASIS) IS REQUIRED THROUGHOUT THE DURATION OF THIS CONSTRUCTION PROJECT. THIS INCLUDES SWEEPING, POWER CLEANING, AND (IF NECESSARY) MANUAL REMOVAL OF DIRT AND/OR MUD IN THE STREET GUTTERS.
- REMOVE SEDIMENT FROM DETENTION AREAS, OUTLET STRUCTURES, AND UNDERDRAINS ONCE FINAL SEED HAS BEEN ESTABLISHED.
- ANY EXISTING STORM INLETS IMPACTED BY THE NEW CONSTRUCTION ACTIVITY WILL NEED THE APPROPRIATE INLET PROTECTION FOR SEDIMENT CONTROL.
- DIMENSIONS AND COORDINATES ARE TO FACE OF CURB OR FACE OF BUILDING UNLESS OTHERWISE NOTED.
- EXTEND UTILITIES TO WITHIN 5'-0" OF FACE OF BUILDING UNLESS OTHERWISE NOTED. COORDINATE EXACT LOCATION WITH PLUMBING CONTRACTOR. FINAL CONNECTION BY PLUMBING CONTRACTOR.
- MAXIMUM FINISH SLOPES SHALL BE 4:1 UNLESS OTHERWISE NOTED.
- COORDINATES AND ELEVATIONS BASED ON SURVEY PERFORMED BY WOOLPERT, DATED 05/16/2022. REFER TO SURVEY SHEET.
- CONTRACTOR SHALL STRIP AND STOCKPILE EXISTING TOPSOIL THROUGHOUT THE SITE PRIOR TO EXCAVATION. UPON COMPLETION OF FINAL GRADING, PROVIDE 6 INCHES OF TOPSOIL AND SEED AREAS DISTURBED BY CONSTRUCTION, INCLUDING LAYDOWN AREAS AND TRAILER LOCATIONS IF LOCATED OUTSIDE THE GRADING/SEEDING LIMITS.
- DISPOSE EXCESS EXCAVATED MATERIALS AND UNACCEPTABLE/UNSUITABLE SOILS OFF SITE IN ACCORDANCE WITH LOCAL CODES. NO PERMANENT STOCKPILES WILL REMAIN ON SITE.
- EXISTING VALVES, MANHOLES, AND OTHER APPURTANCES TO REMAIN LOCATED WITHIN THE WORK LIMITS SHALL BE ADJUSTED TO FINISH GRADE.
- OUTLET CURB UNDERDRAINS TO ADJACENT EXISTING UNDERDRAINS OR STORM SEWER SYSTEM.
- EXPOSE UTILITIES NOTED THIS. EXPOSE PRIOR TO BEGINNING WORK ON THAT UTILITY TO DETERMINE EFFECTS ON THE PROPOSED ALIGNMENT AND PROFILE. REPORT ELEVATION AND LOCATION TO THE ENGINEER IN ORDER THAT ANY CORRECTIONS TO THE ELEVATION AND LOCATION CAN BE MADE.
- CONCRETE ADJACENT TO BUILDING SHALL BE SLOPED AWAY FROM BUILDING AT 2.0% UNLESS OTHERWISE NOTED.
- ROOF DRAINS, FOUNDATION DRAINS, AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER ARE PROHIBITED.
- EMBANKMENT SHALL BE CONSTRUCTED PER DETAIL E/14(C203) AND SPECIFICATIONS 31 00 00.

(X) CODED NOTES:

- HEADWALL PER DETAIL E/14(C203).
- PROVIDE SANDSTONE ROCK CHANNEL PROTECTION 18" DEEP X 10' LONG X WIDTH OF HEADWALL.
- COORDINATE GRADE AND LOCATION WITH MECHANICAL CONTRACTOR.
- APPROXIMATE LOCATION. COORDINATE FINAL LOCATION WITH ELECTRICAL PLANS AND ELECTRICAL CONTRACTOR.
- FOUNDATION DRAIN SHOWN FOR REFERENCE. COORDINATE FOUNDATION DRAIN AND CONNECTION WITH STRUCTURAL CONTRACTOR. CONNECT FOUNDATION DRAIN TO 12" STORM PIPE AT INVERT 846.4'. ENSURE POSITIVE DRAINAGE.

ALTERNATE

- BASE BID - PROVIDE TOP SOIL AND GRASS.
ALTERNATE A - PROVIDE GRAVEL PATIO PER SHEET 10(C106) DETAIL A/10(C106).
- BASE BID - PROVIDE GRAVEL PER DETAIL C/9(C105) AND C/10(C106).
ALTERNATE B - PROVIDE ASPHALT PER DETAIL B/8(C104) AND 18(C207).
- BASE BID - PROVIDE TOP SOIL AND GRASS.
ALTERNATE C - PROVIDE ALTERNATE WALKING PATH PER SHEET 10(C106) AND 18(C207).

EARTHWORK NOTES:

REFER TO GCI SUBSURFACE EXPLORATION AND GEOTECHNICAL ENGINEERING REPORT, GCI PROJECT NO. 22-G-26826, DATED JULY 14, 2022 FOR SITE SOILS INFORMATION. SITE PREPARATION SHALL BE PER SPECIFICATION SECTION 31 00 00 UNLESS OTHERWISE NOTED IN THESE PLANS. PLEASE NOTE THE FOLLOWING SOIL REMEDIATION PROVISIONS FOR THIS PROJECT:

- CONTRACTOR SHALL STRIP AND STOCKPILE EXISTING TOPSOIL THROUGHOUT THE SITE PRIOR TO EXCAVATION. UPON COMPLETION OF FINAL GRADING, THE CONTRACTOR MAY EMBANK ADDITIONAL TOPSOIL WITHIN LAWN AREAS TO HELP EARTHWORK BALANCE.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONDUCT ANY DEWATERING OPERATIONS NECESSARY FOR EARTHWORK ACTIVITIES, AS SPECIFIED IN SPECIFICATION SECTION 31 00 00.

EXISTING FILL SOIL REMOVAL NOTES:

- REMOVE EXISTING FILL SOILS UNDER NEW BUILDING AND EXTENDING 10' BEYOND THE BUILDING. COORDINATE REMOVAL WITH TESTING AGENCY. TESTING AGENCY SHALL APPROVE REMOVAL PRIOR TO PLACING FILL.
- PROOF ROLL NATIVE SOIL AND PREPARE SUBGRADE PER SPECIFICATION SECTION 31 00 00 PRIOR TO FILL PLACEMENT.
- PLACE FILL IN ACCORDANCE WITH SPECIFICATION SECTION 31 00 00.
- SOME EXISTING FILL SOIL WILL BE ACCEPTABLE AS FILL MATERIAL. PROVIDE ANY ADDITIONAL SOIL AS NECESSARY TO COMPLETE FILL CONSTRUCTION. DISPOSE OF ANY UNSUITABLE FILL OFF-SITE IN ACCORDANCE WITH LOCAL CODES.

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PHASE 2

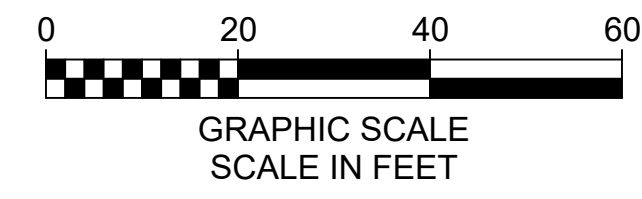
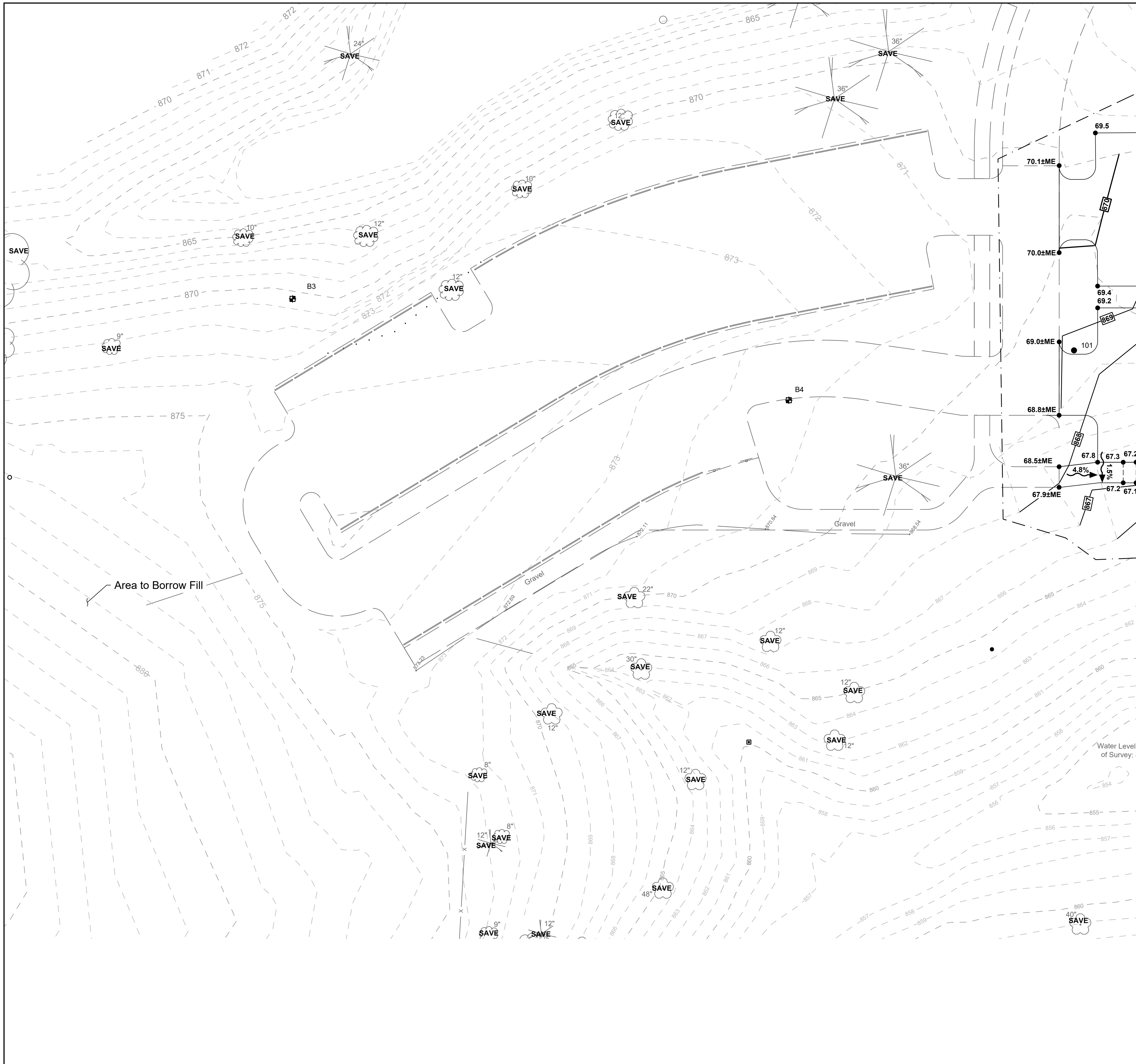
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JOB NO.: 2023-0006

SHEET: 11/21

Match Line See Sheet 12 (C201)

Time 4.4s



GRADING LEGEND

- EXISTING**
REFER TO SHEET 2
- PROPOSED**
- [800] INDEX CONTOUR
 - [799] INTERMEDIATE CONTOUR
 - [Hatched] BUILDING/WALL
 - E UNDERGROUND ELECTRIC LINE
 - T UNDERGROUND TELEPHONE LINE
 - W WATER LINE
 - STM STORM SEWER
 - UD UNDERDRAIN
 - SAN SANITARY SEWER
 - CATCH BASIN
 - ^{DS} DOWNSPOUT ADAPTER
 - ◇ GATE VALVE & CURB BOX
 - - - GRADE BREAK (CROWN) LINE
 - - - GRADING/SEEDING LIMITS
 - 708.53 SPOT ELEVATION
 - TC TOP OF CASTING
 - 700.00 TOP OF CURB ELEVATION
 - 699.50 GUTTER ELEVATION AT FACE OF CURB
 - FLOW DIRECTION ARROW
 - X → HIGH (CROWN) POINT
 - EMERGENCY OVERFLOW
 - M.E. MATCH EXISTING ELEVATION

GENERAL NOTES:

- PROVIDE 10' UNDERDRAINS IN FOUR DIRECTIONS AT CATCH BASINS IN PAVEMENT.
- PAVEMENT ELEVATIONS REFER TO FINISHED PAVEMENT ELEVATION AT FACE OF CURB UNLESS OTHERWISE NOTED.
- CONSTRUCTION WORK WILL NOT BE PERMITTED WITHOUT APPROVED PLANS AND INSPECTION.
- PERFORM WORK IN ACCORDANCE WITH ODOT MATERIAL SPECIFICATIONS AND STANDARD CONSTRUCTION DRAWINGS. IN CASE OF A DISCREPANCY BETWEEN COUNTY OF DELAWARE REQUIREMENTS AND PROJECT SPECIFICATIONS, COUNTY OF DELAWARE STANDARDS SHALL GOVERN.
- SOIL EROSION AND SEDIMENTATION BMP MEASURES, PER SHEET C205, SHALL BE INSTALLED PRIOR TO START OF ANY CONSTRUCTION AND SHALL BE MAINTAINED UNTIL CONSTRUCTION HAS BEEN COMPLETED, INCLUDING GRASS BEING WELL ESTABLISHED AND/OR PERMANENT EROSION AND SEDIMENTATION BMP MEASURES IN PLACE. BMP MEASURES SHALL BE TO THE SATISFACTION OF DELAWARE COUNTY.
- STREET CLEANING (ON AN AS-NEEDED BASIS) IS REQUIRED THROUGH THE DURATION OF THIS CONSTRUCTION PROJECT. THIS INCLUDES SWEEPING, POWER CLEANING, AND (IF NECESSARY) MANUAL REMOVAL OF DIRT AND/OR MUD IN THE STREET GUTTERS.
- REMOVE SEDIMENT FROM DETENTION AREAS, OUTLET STRUCTURES, AND UNDERDRAINS ONCE FINAL SEED HAS BEEN ESTABLISHED.
- ANY EXISTING STORM INLETS IMPACTED BY THE NEW CONSTRUCTION ACTIVITY WILL NEED THE APPROPRIATE INLET PROTECTION FOR SEDIMENT CONTROL.
- DIMENSIONS AND COORDINATES ARE TO FACE OF CURB OR FACE OF BUILDING UNLESS OTHERWISE NOTED.
- EXTEND UTILITIES TO WITHIN 5'-0" OF FACE OF BUILDING UNLESS OTHERWISE NOTED. COORDINATE EXACT LOCATION WITH PLUMBING CONTRACTOR. FINAL CONNECTION BY PLUMBING CONTRACTOR.
- MAXIMUM FINISH SLOPES SHALL BE 4:1 UNLESS OTHERWISE NOTED.
- COORDINATES AND ELEVATIONS BASED ON SURVEY PERFORMED BY WOOLPERT, DATED 05/16/2022. REFER TO SURVEY SHEET.
- CONTRACTOR SHALL STRIP AND STOCKPILE EXISTING TOPSOIL THROUGHOUT THE SITE PRIOR TO EXCAVATION. UPON COMPLETION OF FINAL GRADING, PROVIDE 6 INCHES OF TOPSOIL AND SEED AREAS DISTURBED BY CONSTRUCTION, INCLUDING LAYDOWN AREAS AND TRAILER LOCATIONS IF LOCATED OUTSIDE THE GRADING/SEEDING LIMITS.
- DISPOSE EXCESS EXCAVATED MATERIALS AND UNACCEPTABLE/UNSUITABLE SOILS OFF SITE IN ACCORDANCE WITH LOCAL CODES. NO PERMANENT STOCKPILES WILL REMAIN ON SITE.
- EXISTING VALVES, MANHOLES, AND OTHER APPURTANCES TO REMAIN LOCATED WITHIN THE WORK LIMITS SHALL BE ADJUSTED TO FINISH GRADE.
- OUTLET CURB UNDERDRAINS TO ADJACENT EXISTING UNDERDRAINS OR STORM SEWER SYSTEM.
- EXPOSE UTILITIES NOTED THUS: EXPOSE PRIOR TO BEGINNING WORK ON THAT UTILITY TO DETERMINE EFFECTS ON THE PROPOSED ALIGNMENT AND PROFILE. REPORT ELEVATION AND LOCATION TO THE ENGINEER IN ORDER THAT ANY CORRECTIONS TO THE ELEVATION AND LOCATION CAN BE MADE.
- CONCRETE ADJACENT TO BUILDING SHALL BE SLOPED AWAY FROM BUILDING AT 2.0% UNLESS OTHERWISE NOTED.
- ROOF DRAINS, FOUNDATION DRAINS, AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER ARE PROHIBITED.
- EMBANKMENT SHALL BE CONSTRUCTED PER DETAIL E/14(C203) AND SPECIFICATIONS 31 00 00.

ALTERNATE

- BASE BID - PROVIDE TOP SOIL AND GRASS.
- ALTERNATE A - PROVIDE GRAVEL PATIO PER SHEET 10(C106) DETAIL A/10(C106).
- BASE BID - PROVIDE GRAVEL PER DETAIL C/9(C105) AND C/10(C106).
- ALTERNATE B - PROVIDE ASPHALT PER DETAIL B/8(C104).
- BASE BID - PROVIDE TOP SOIL AND GRASS.
- ALTERNATE C - PROVIDE ALTERNATE WALKING PATH PER SHEET 10(C106).

REVISIONS		DATE	DESCRIPTION
MARK			

GRADING PLAN	
DELAWARE COUNTY, OHIO FINAL ENGINEERING PLAN FOR MCCAMMON CREEK PARK PHASE 2	
KORDA KORDA NEMETH ENGINEERING, INC. - CONSULTING ENGINEERS 1650 WATERMARK DRIVE, SUITE 200 - COLUMBUS, OHIO 43215-7010 TEL: 614-628-0300 FAX: 614-628-0311 WWW.KORDA.COM	
DATE	11/17/2023
JOB NO.	2023-0006
SHEET	12 / 21

KORDA
KORDA NEMETH ENGINEERING
1650 WATERMARK DRIVE
SUITE 200
COLUMBUS, OHIO 43215

DRAWN BY: EAM
DESIGNED BY: EAM
CHECKED BY: GJW
PROJECT NUMBER: 2023-0006

SCHOOLEY CALDWELL

ARCHITECTURE. INSPIRED.
300 Marconi Boulevard
schooleycaldwell.com
T 614-628-0300
F 614-628-0311
Columbus OH 43215

Consultants:
Civil, Structural & MEP
Korda/Nemeth Engineering
1650 Watermark Drive, Columbus, OH 43215
614.487.1650

Barn Consultant
Mt. Vernon Barn Co.
17075 Co Rd 18, Fredericktown, OH 43019
614.634.2049

Drawing Issue Dates

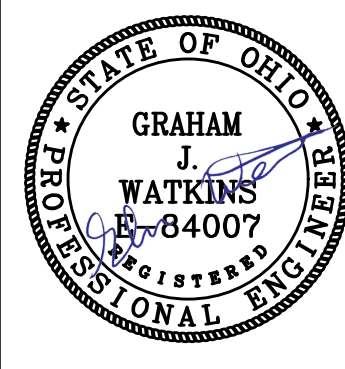
Design Development Submittal	11/17/2023
50% Construction Documents	08/15/2024
90% Construction Documents	01/15/2025
Bid Set / Permit Set	02/14/2025

Revision Schedule

#	Description	Date

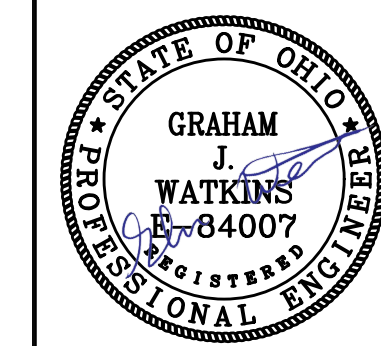
Bicentennial Barn -
McCammon Creek Park

6844 Bale Kenyon Rd
Lewis Center, OH 43035



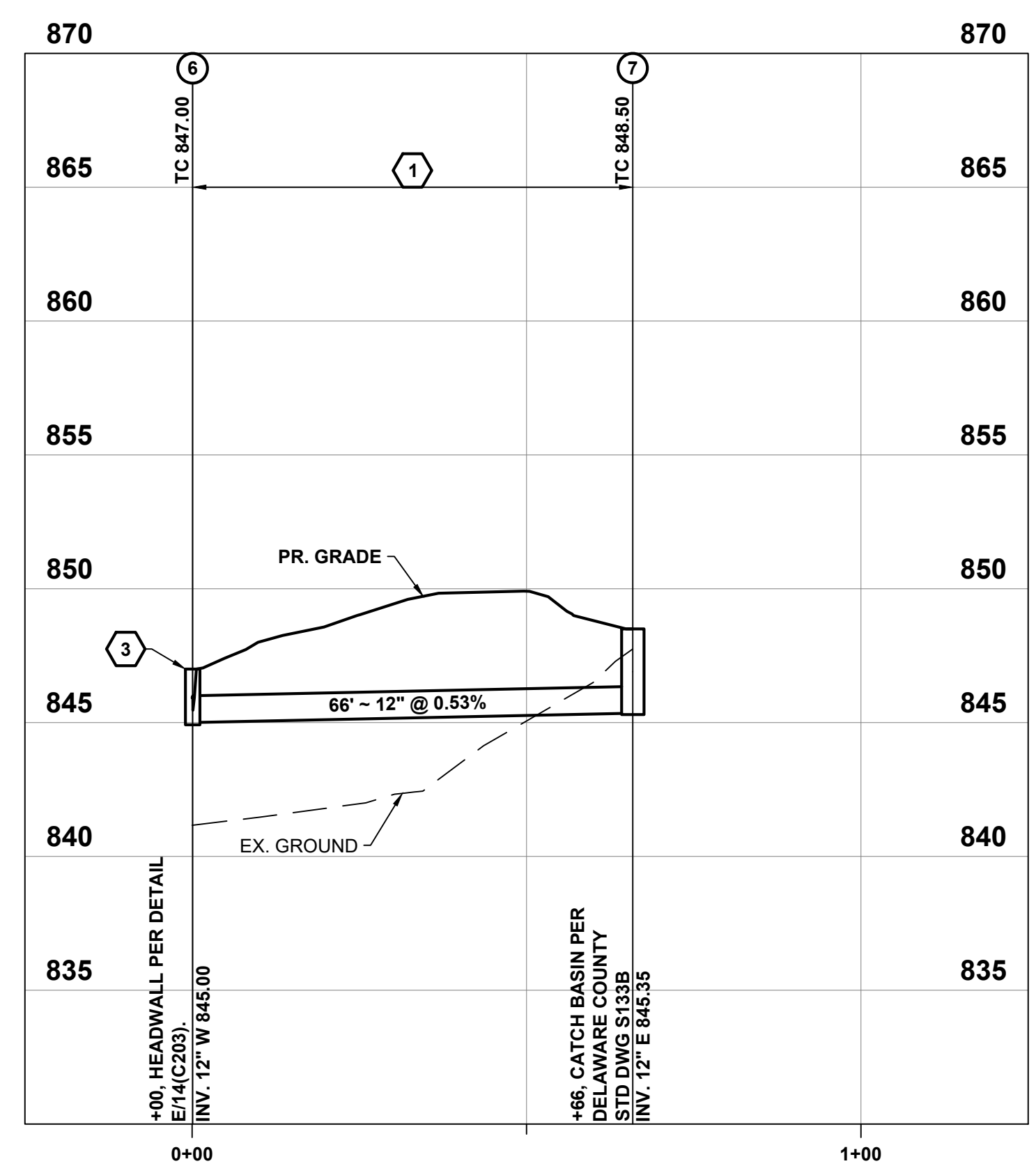
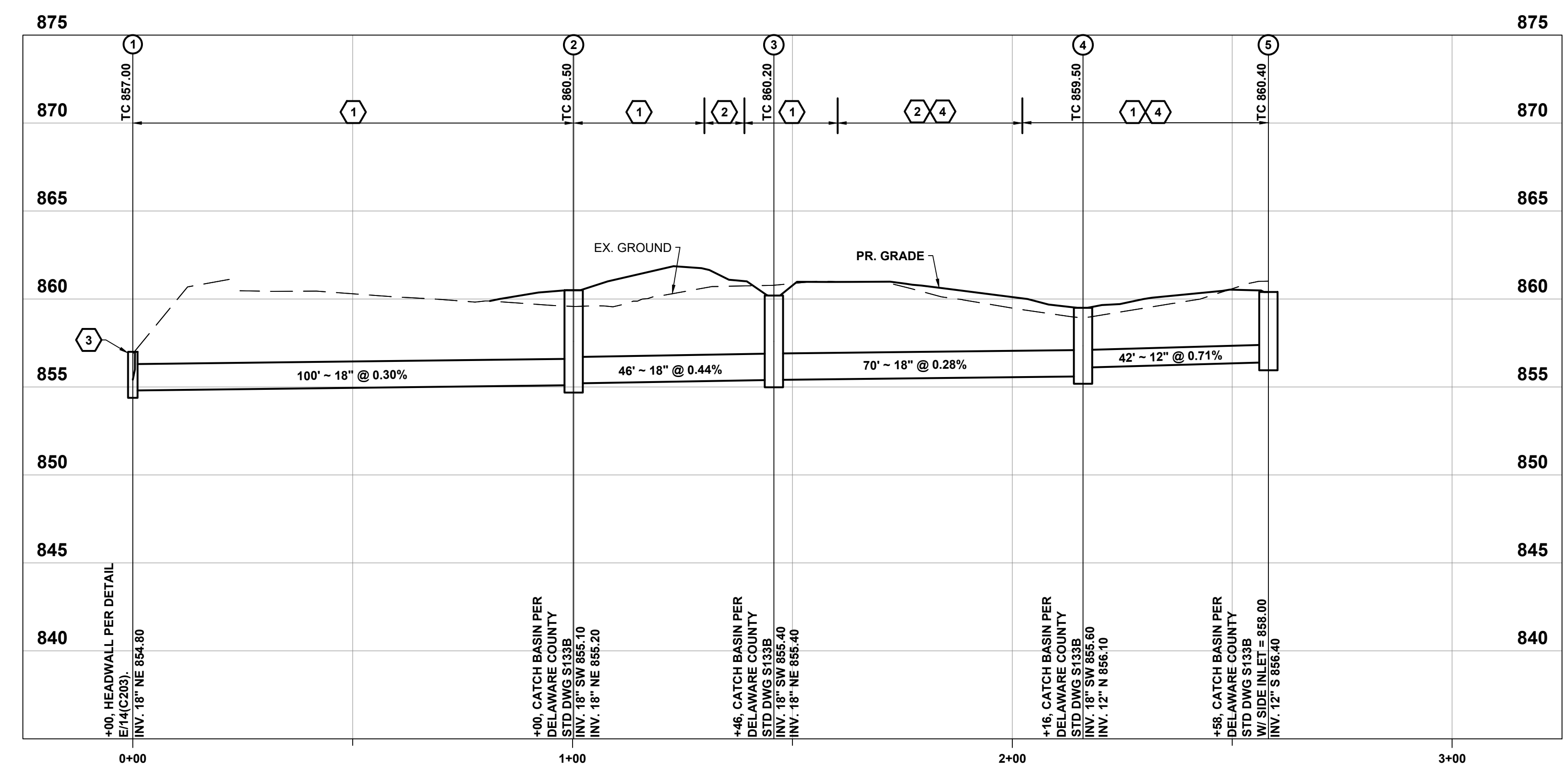
GRADING PLAN

C201



CODED NOTES:

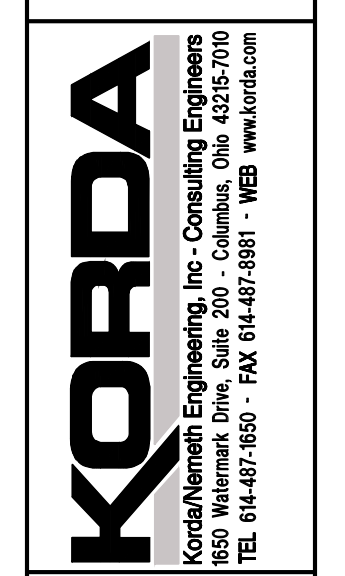
- BACKFILL WITH COMPACTED BACKFILL PER CMSC ITEM 911
- BACKFILL WITH COMPACTED GRANULAR MATERIAL PER CMSC ITEM 912
- PROVIDE ODOT TYPE C ROCK CHANNEL PROTECTION 18" DEEP X 10' LONG X WIDTH OF HEADWALL.
- INSTALL REINFORCED CONCRETE PIPE PER CMSC ITEM 706.02.



MARK	DATE	DESCRIPTION

STORM PROFILES

DELAWARE COUNTY, OHIO
 FINAL ENGINEERING PLAN
 FOR
 MCCAMMON CREEK PARK
 PHASE 2



DATE
 11/17/2023

JOB NO.
 2023-0006

SHEET
 13/21

KORDA
 KORDA NEMETH ENGINEERING
 1650 WATERMARK DRIVE
 SUITE 200
 COLUMBUS, OHIO 43215
 DRAWN BY: EAM
 DESIGNED BY: EAM
 CHECKED BY: GJW
 PROJECT NUMBER: 2023-0006

Revision Schedule

#	Description	Date

REVISIONS

MARK	DATE	DESCRIPTION

STORM AND GRADING DETAILS

DELAWARE COUNTY, OHIO
FINAL ENGINEERING PLAN
FOR
MCCAMMON CREEK PARK
PHASE 2

KORDA
Korda/Nemeth Engineering, Inc. - Consulting Engineers
1650 Watermark Drive, Suite 200 - Columbus, Ohio 43215-1010
TEL: 614-487-1650 FAX: 614-487-0361 WEB: www.korda.com

DATE
11/17/2023

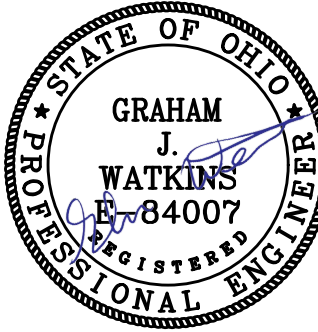
JOB NO.
2023-0006

SHEET
14 / 21

KORDA
KORDA NEMETH ENGINEERING
1650 WATERMARK DRIVE
SUITE 200
COLUMBUS, OHIO 43215
DRAWN BY: EAM
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PROJECT NUMBER: 2023-0006

Bicentennial Barn -
McCammon Creek
Park

6844 Bale Kenyon Rd
Lewis Center, OH 43035

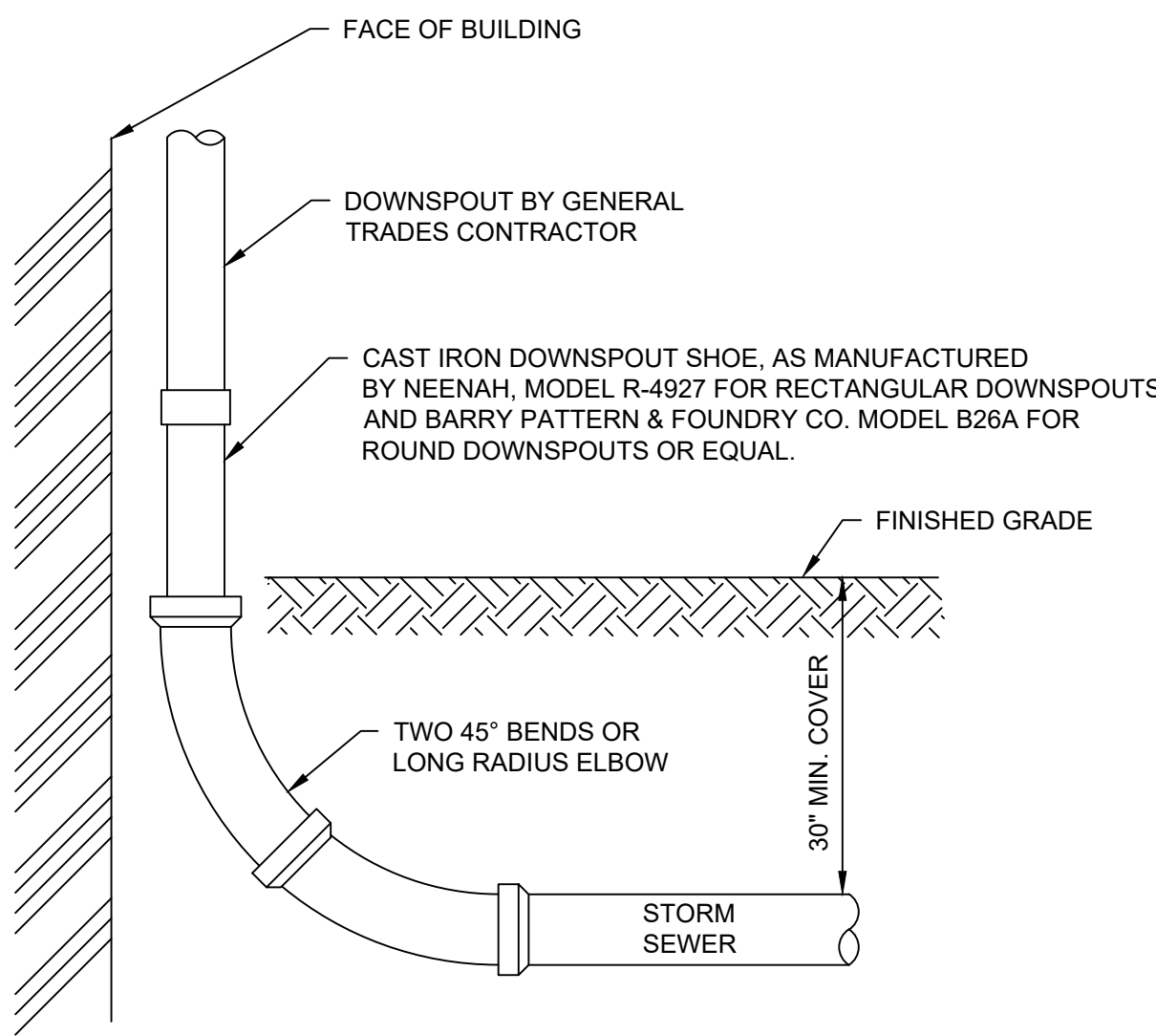


STORM AND GRADING DETAILS

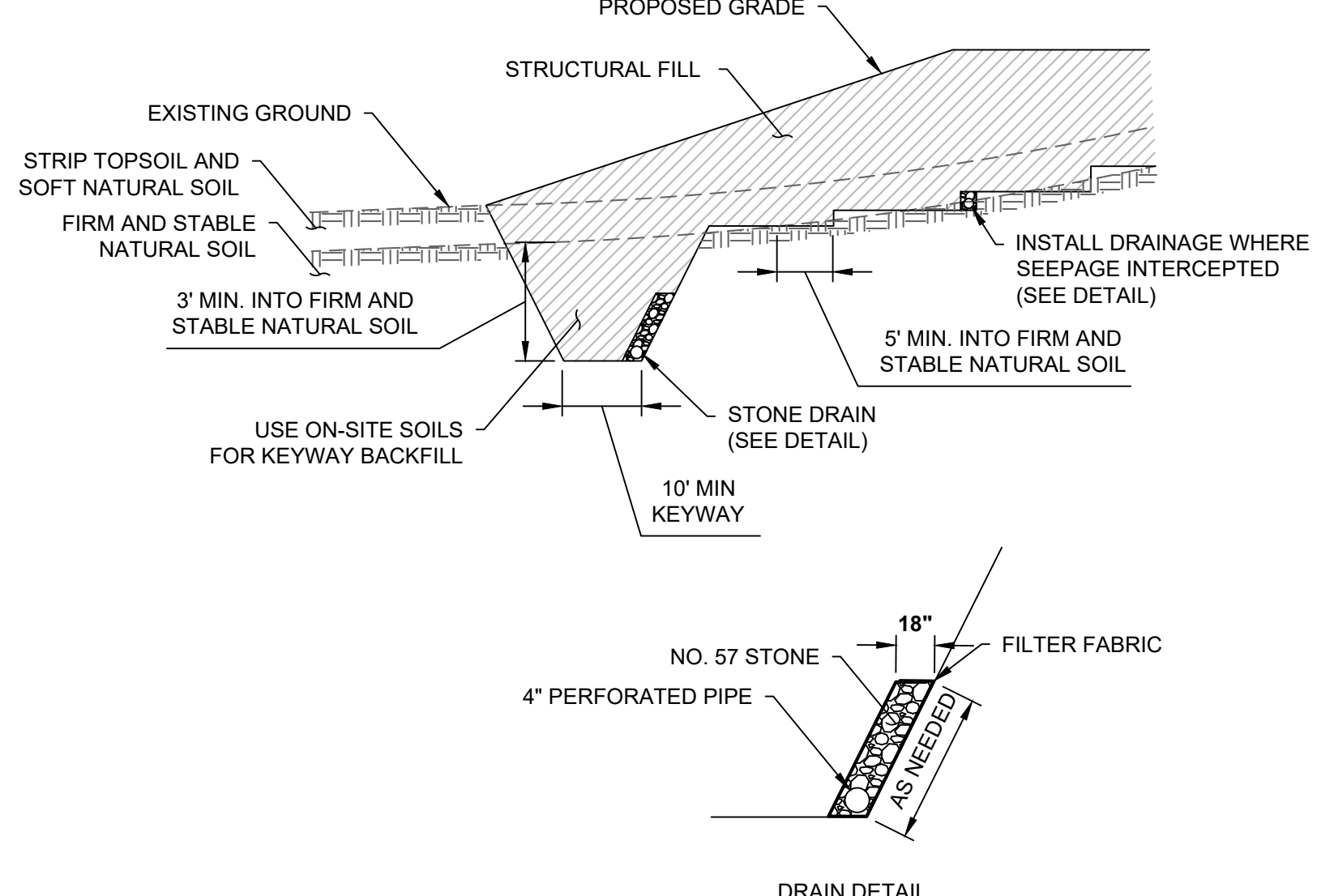
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11/25/2024

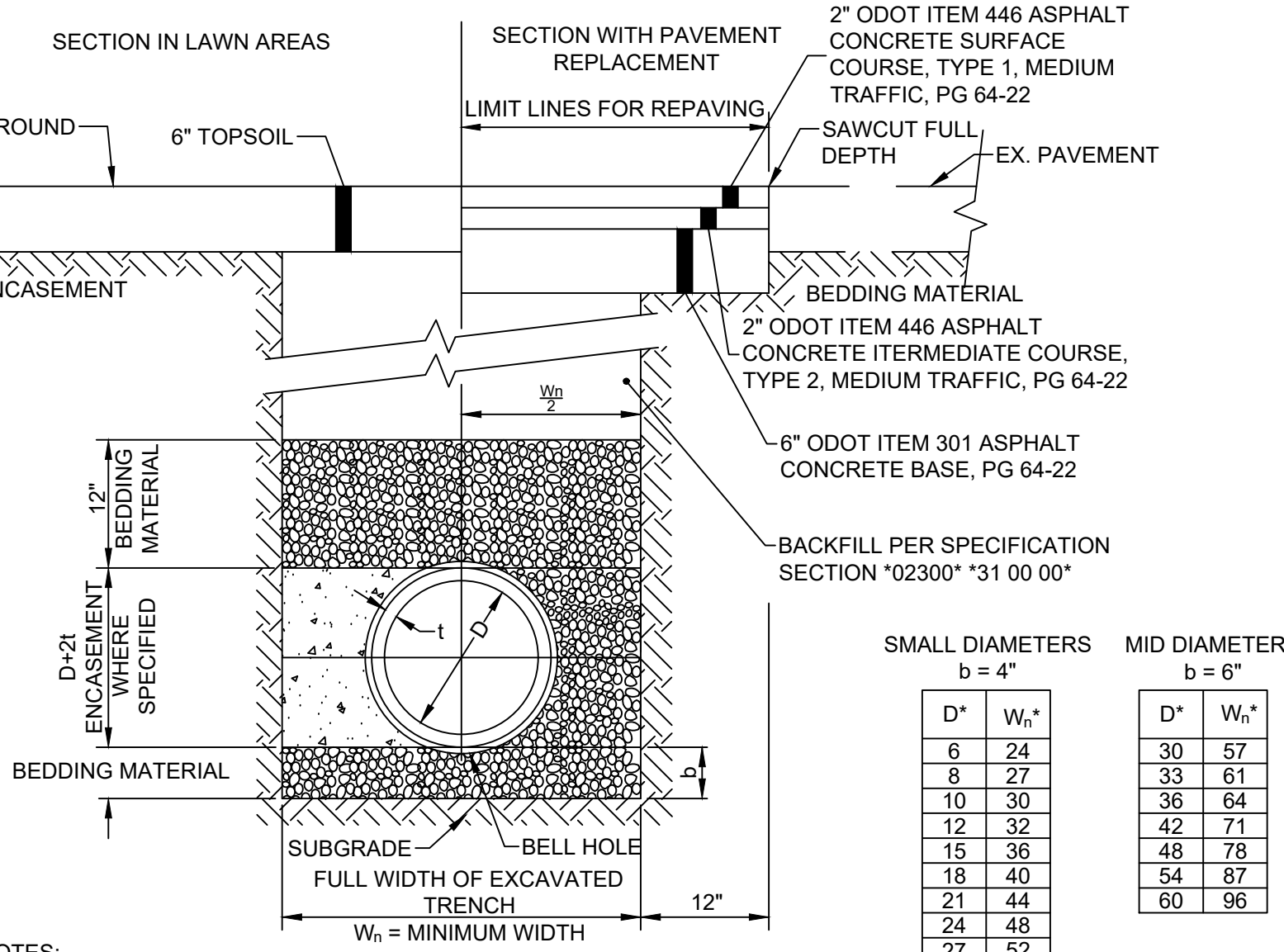
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A **DETAIL**
DOWNSPOUT ADAPTER N.T.S.

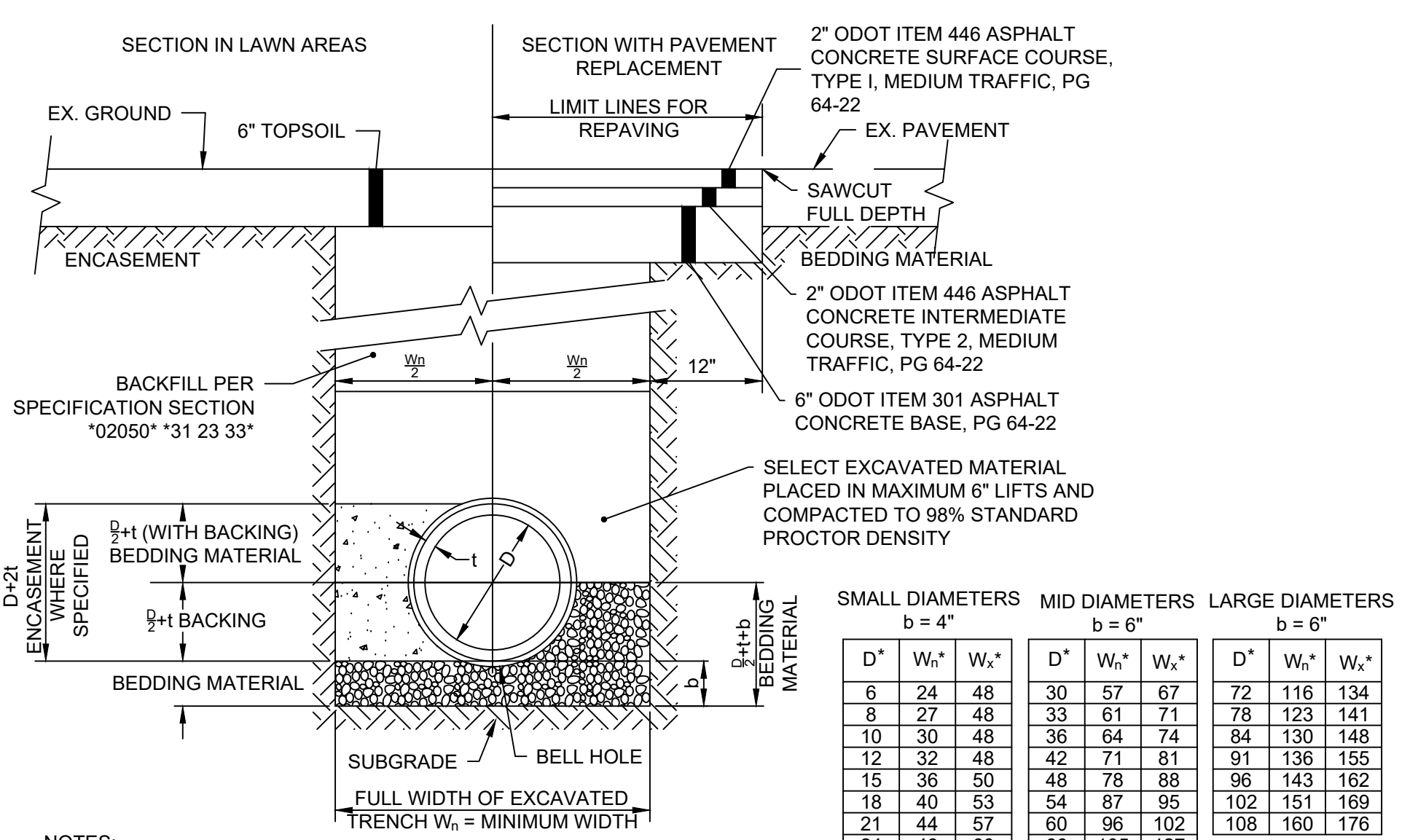


B **DETAIL**
KEYWAY AND BENCHING N.T.S.



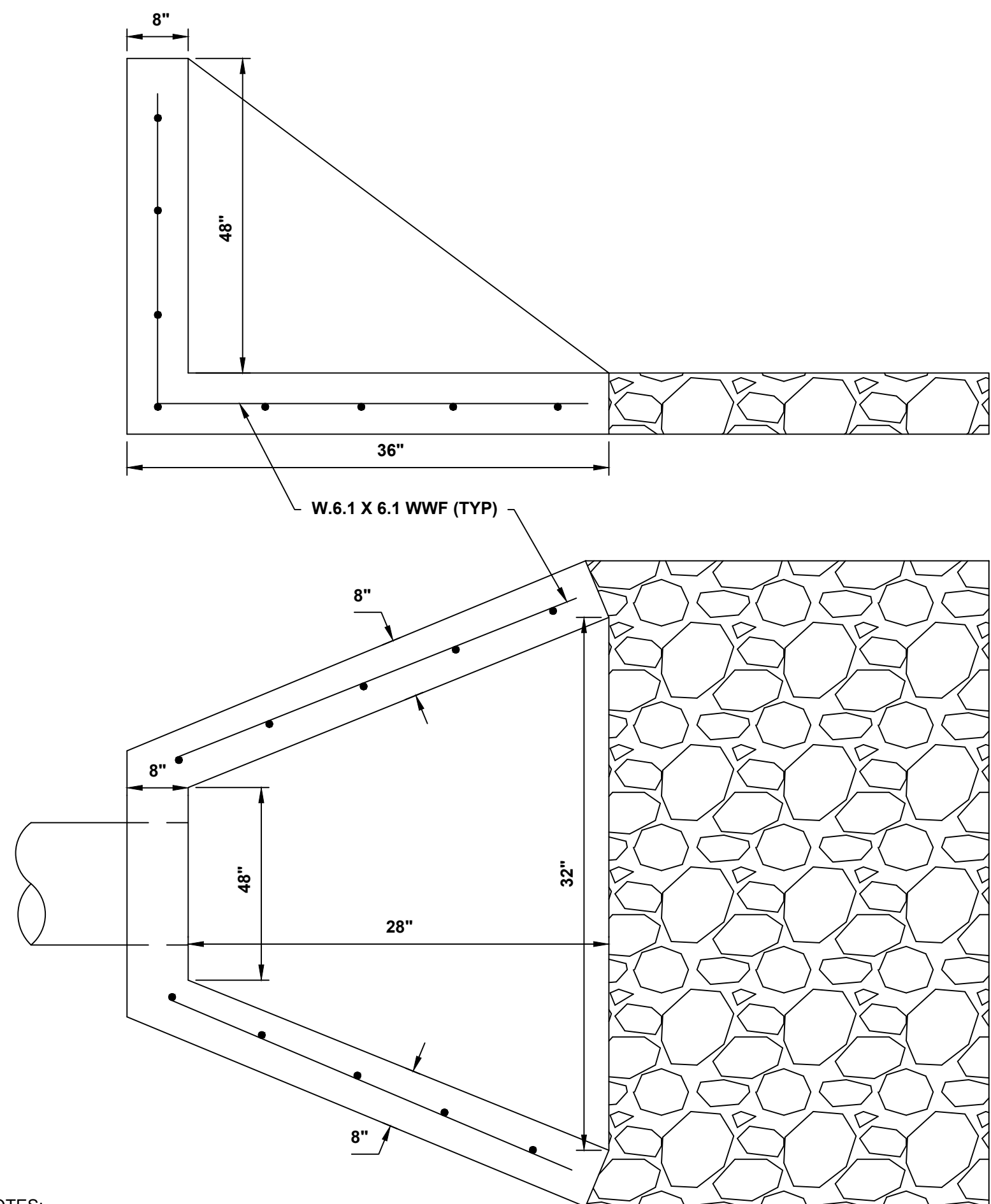
- NOTES:
1. SECTIONS SYMMETRICAL ABOUT \bar{C} .
2. DIMENSIONS ARE EXPRESSED IN INCHES.
3. BACKING OR ENCASEMENT TO BE ODOT CLASS "OC1" CONCRETE.
4. ON SANITARY SEWER CONSTRUCTION TRENCH DAMS ARE REQUIRED AS SPECIFIED UNDER 901.
5. PAYMENT FOR CONCRETE BACKING AND ENCASEMENT SHALL BE BASED ON MINIMUM TRENCH WIDTH (W_n).

C **DETAIL**
TYPE 1 BEDDING FOR FLEXIBLE SEWER PIPE & PERMANENT PAVEMENT REPLACEMENT N.T.S.



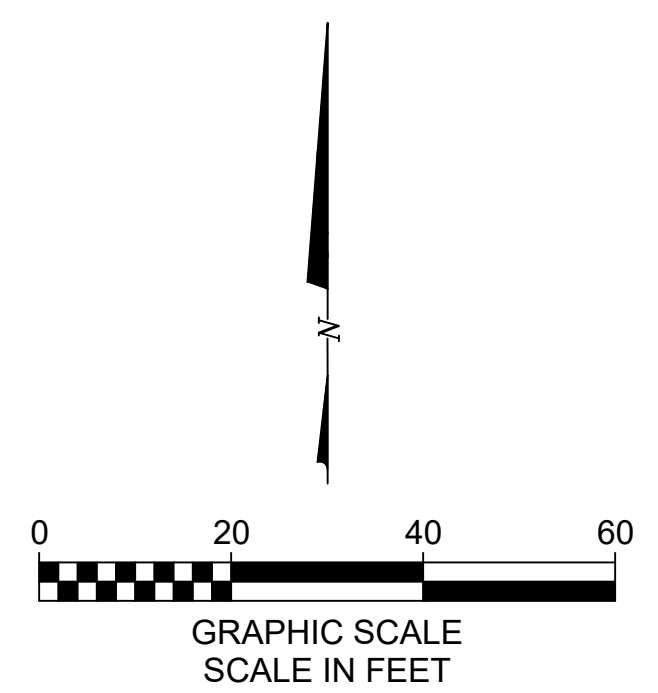
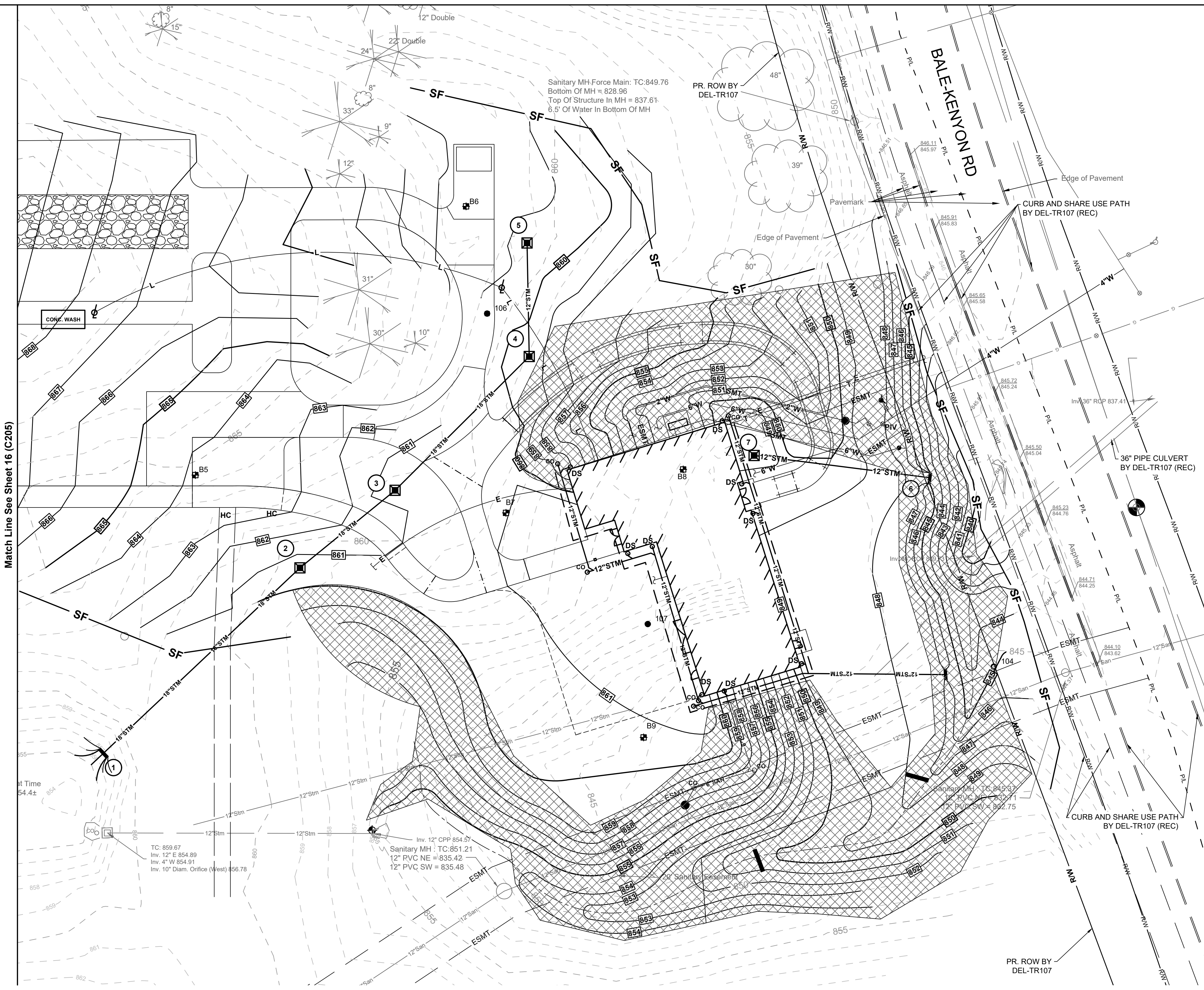
- NOTES:
1. SECTIONS SYMMETRICAL ABOUT \bar{C} .
2. DIMENSIONS ARE EXPRESSED IN INCHES.
3. BACKING OR ENCASEMENT TO BE ODOT CLASS "OC1" CONCRETE.
4. ON SANITARY SEWER CONSTRUCTION TRENCH DAMS ARE REQUIRED AS SPECIFIED UNDER 901.
5. PAYMENT FOR CONCRETE BACKING AND ENCASEMENT SHALL BE BASED ON MINIMUM TRENCH WIDTH (W_n).

D **DETAIL**
TYPE 1 BEDDING FOR RIGID SEWER PIPE & PERMANENT PAVEMENT REPLACEMENT N.T.S.



- NOTES:
1. 4000 PSI CONCRETE.
2. W.6.1 X 6.1 WWF THROUGHOUT.
3. ACID STAIN HEADWALL BROWN.
4. USE TYPE C 6" SANDSTONE RCP WITHOUT FILTER FABRIC.

E **DETAIL**
HEADWALL N.T.S.



EROSION AND SEDIMENT CONTROL LEGEND

- EXISTING**
REFER TO SHEET 2
- PROPOSED**
- INDEX CONTOUR
 - INTERMEDIATE CONTOUR
 - BUILDING WALL
 - STORM SEWER
 - CATCH BASIN
 - CURB & GUTTER INLET
 - MANHOLE
 - DOWNSPOUT ADAPTER
 - SILT FENCE PER DETAIL E/17(C206)
 - ROCK CHECK DAM PER DETAIL D/17(C206)
 - EROSION CONTROL MATTING PER DETAIL C/17(C206)
 - STABILIZED CONSTRUCTION ENTRANCE PER DETAIL B/17(C206)
 - CONCRETE WASHOUT PER DETAIL F/17(C206)
 - INLET FILTER PER DETAIL C/16(C205)

Match Line See Sheet 16 (C205)

MARK	DATE	DESCRIPTION

EROSION CONTROL PLAN

DELAWARE COUNTY, OHIO
FINAL ENGINEERING PLAN
FOR
MCCAMMON CREEK PARK
PHASE 2

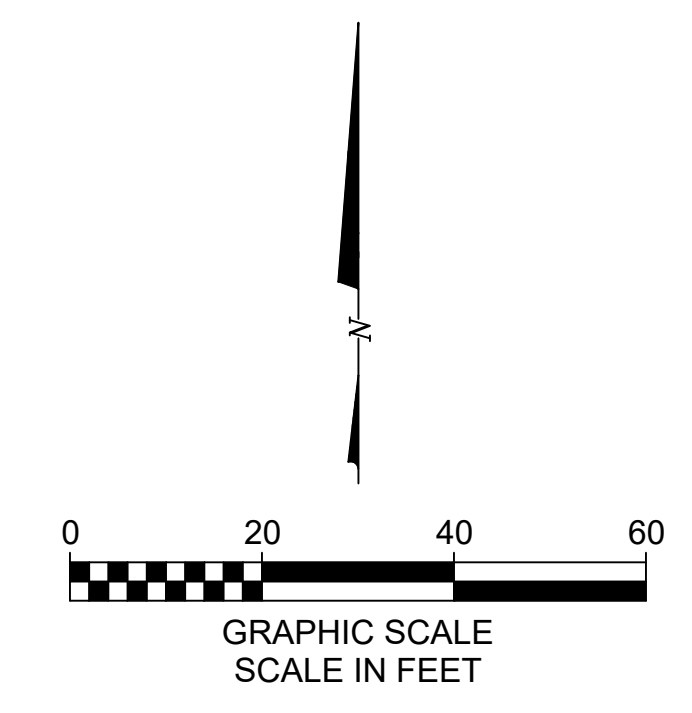
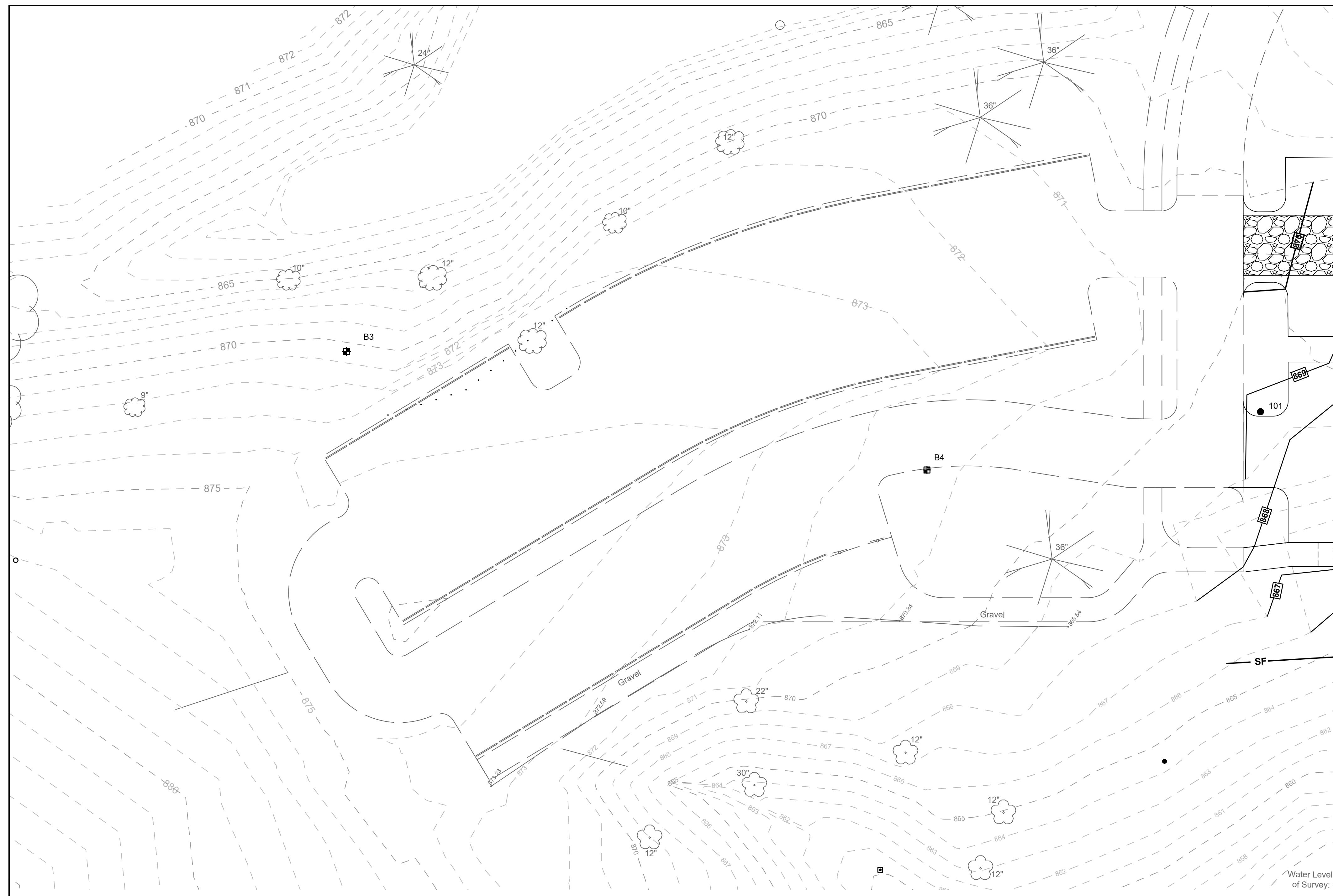


DATE
11/17/2023

JOB NO.
2023-0006

SHEET
15/21

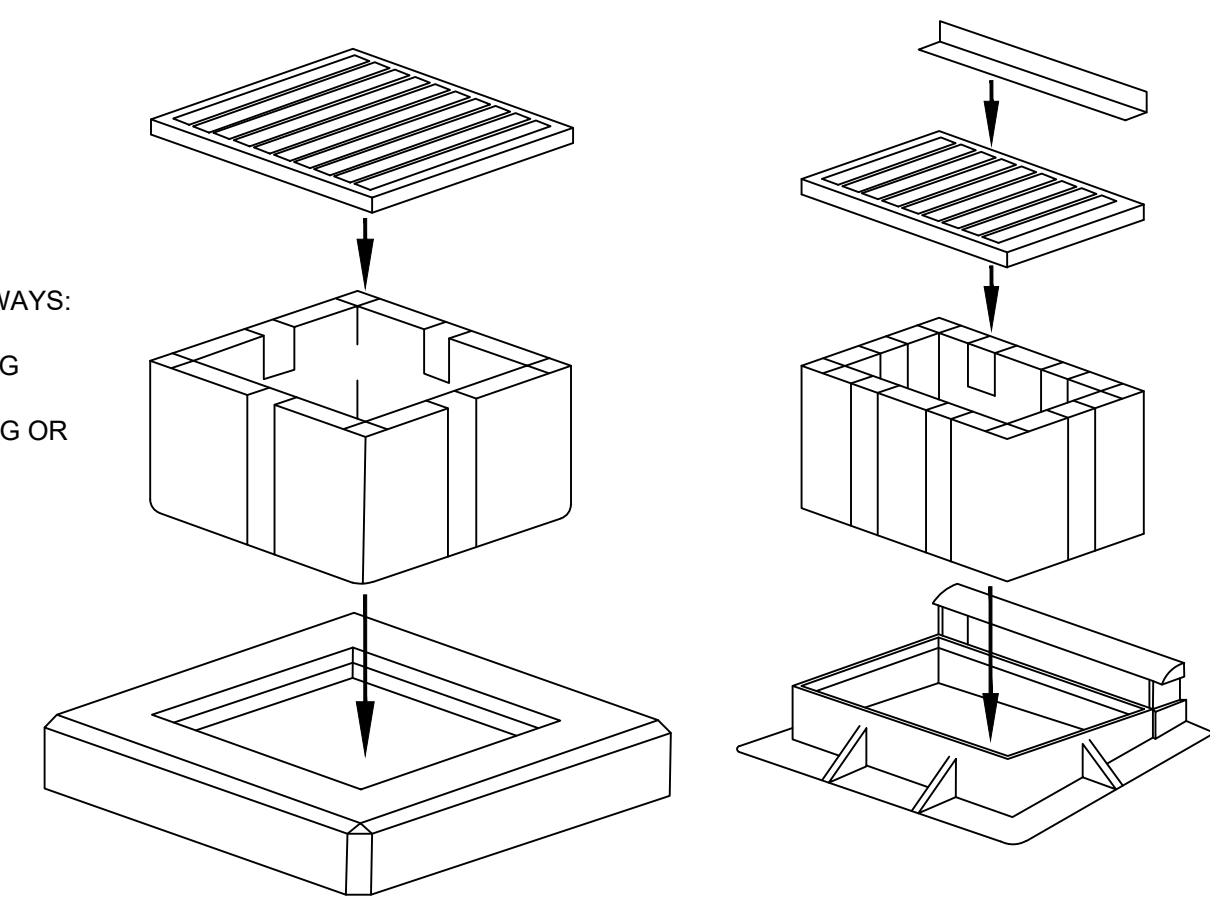
KORDA
KORDA NEMETH ENGINEERING
1650 WATERMARK DRIVE
SUITE 200
COLUMBUS, OHIO 43215
DRAWN BY: EAM
DESIGNED BY: EAM
CHECKED BY: GJW
PROJECT NUMBER: 2023-0006



EROSION AND SEDIMENT CONTROL LEGEND

- EXISTING**
 REFER TO SHEET 2
- PROPOSED**
- INDEX CONTOUR
 - INTERMEDIATE CONTOUR
 - BUILDING/WALL
 - STORM SEWER
 - CATCH BASIN
 - CURB & GUTTER INLET
 - MANHOLE
 - DOWNSPOUT ADAPTER
 - SILT FENCE PER DETAIL E/17(C206)
 - ROCK CHECK DAM PER DETAIL D/17(C206)
 - EROSION CONTROL MATTING PER DETAIL C/17(C206)
 - STABILIZED CONSTRUCTION ENTRANCE PER DETAIL B/17(C206)
 - CONCRETE WASHOUT PER DETAIL F/17(C206)
 - INLET FILTER PER DETAIL C/16(C205)

- INSTALLATION:**
1. REMOVE GRATE.
 2. INSTALL BAG (RESTS ON LIP OF CASTING).
 3. REINSTALL GRATE.
- MAINTENANCE:**
1. REMOVE GRATE.
 2. BAG CAN BE CLEANED SEVERAL WAYS:
 A) PICK UP BAG AND DUMP IT.
 B) SHOVELING DEBRIS OUT OF BAG
 C) VAC-UNIT
 3. SHAKE LOOSE DEBRIS OUT OF BAG OR RINSE WITH WATER.
 4. REINSTALL BAG.
 5. REINSTALL GRATE.



- INSTALLATION:**
1. REMOVE GRATE.
 2. INSTALL BAG (RESTS ON LIP OF CASTING).
 3. REINSTALL GRATE.
 4. INSTALL BONNET GUARD WITH TABS BETWEEN GRATE & BONNET CASTING
- MAINTENANCE:**
1. REMOVE THE BONNET GUARD.
 2. REMOVE GRATE.
 3. BAG CAN BE CLEANED SEVERAL WAYS:
 A) PICK UP BAG AND DUMP IT.
 B) SHOVELING DEBRIS OUT OF BAG.
 4. SHAKE LOOSE DEBRIS OUT OF BAG OR RINSE WITH WATER.
 5. REINSTALL BAG.
 6. REINSTALL GRATE.
 7. REINSTALL BONNET GUARD.

A **DETAIL**
 INLET FILTER (BELOW GRATE INLET PROTECTION)

N.T.S.

MARK	DATE	DESCRIPTION

EROSION CONTROL PLAN

DELAWARE COUNTY, OHIO
 FINAL ENGINEERING PLAN
 FOR
 MCCAMMON CREEK PARK
 PHASE 2

KORDA
 Korda/Nemeth Engineering, Inc. - Consulting Engineers
 1650 Watermark Drive, Suite 200 - Columbus, Ohio 43215-7010
 TEL: 614-487-1650 - FAX: 614-487-0391 - WEB: www.korda.com

DATE: 11/17/2023

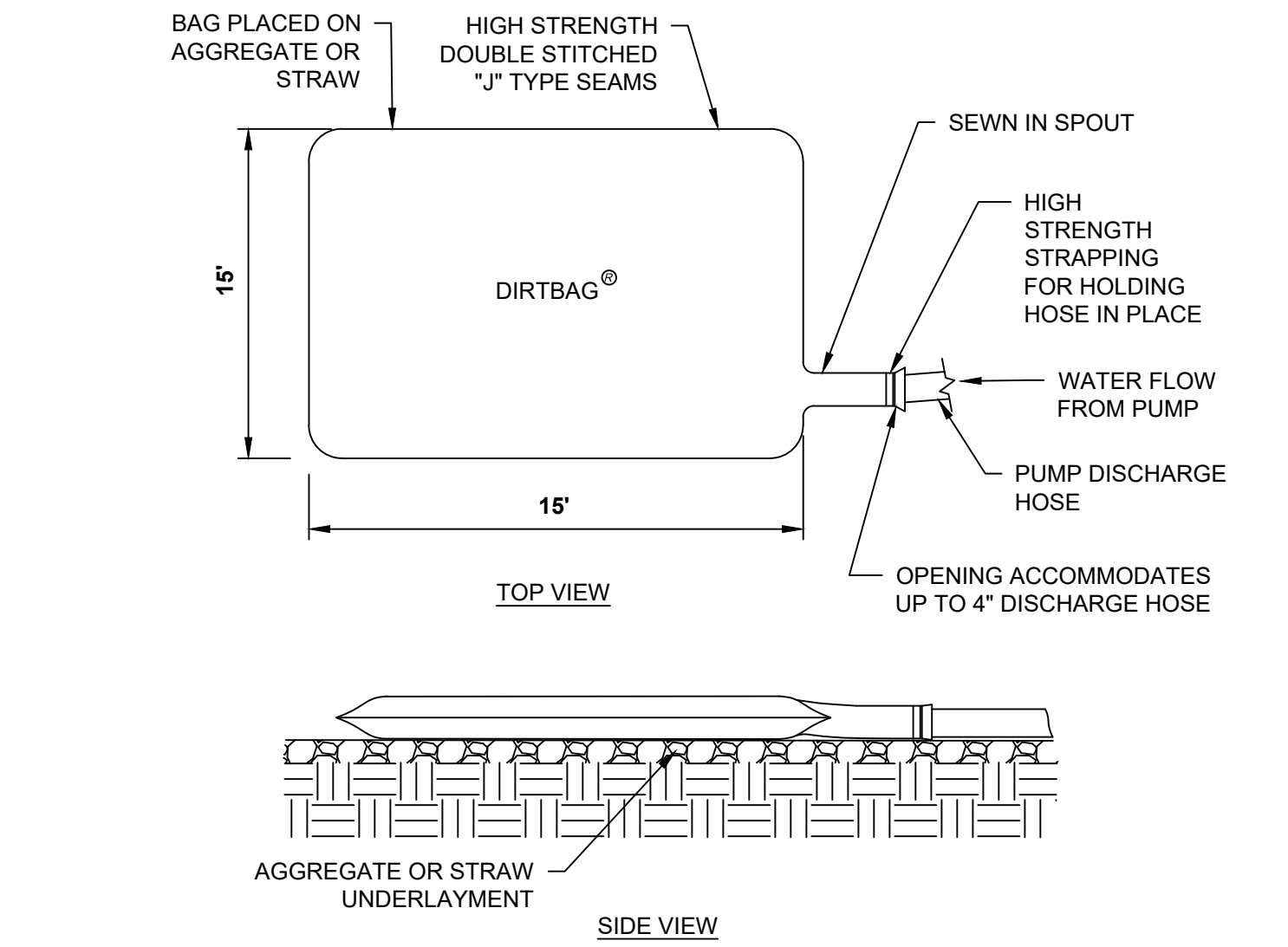
JOB NO.: 2023-0006

SHEET: 16/21

DRAWN BY: EAM
 DESIGNED BY: EAM
 CHECKED BY: GJW
 PROJECT NUMBER: 2023-0006

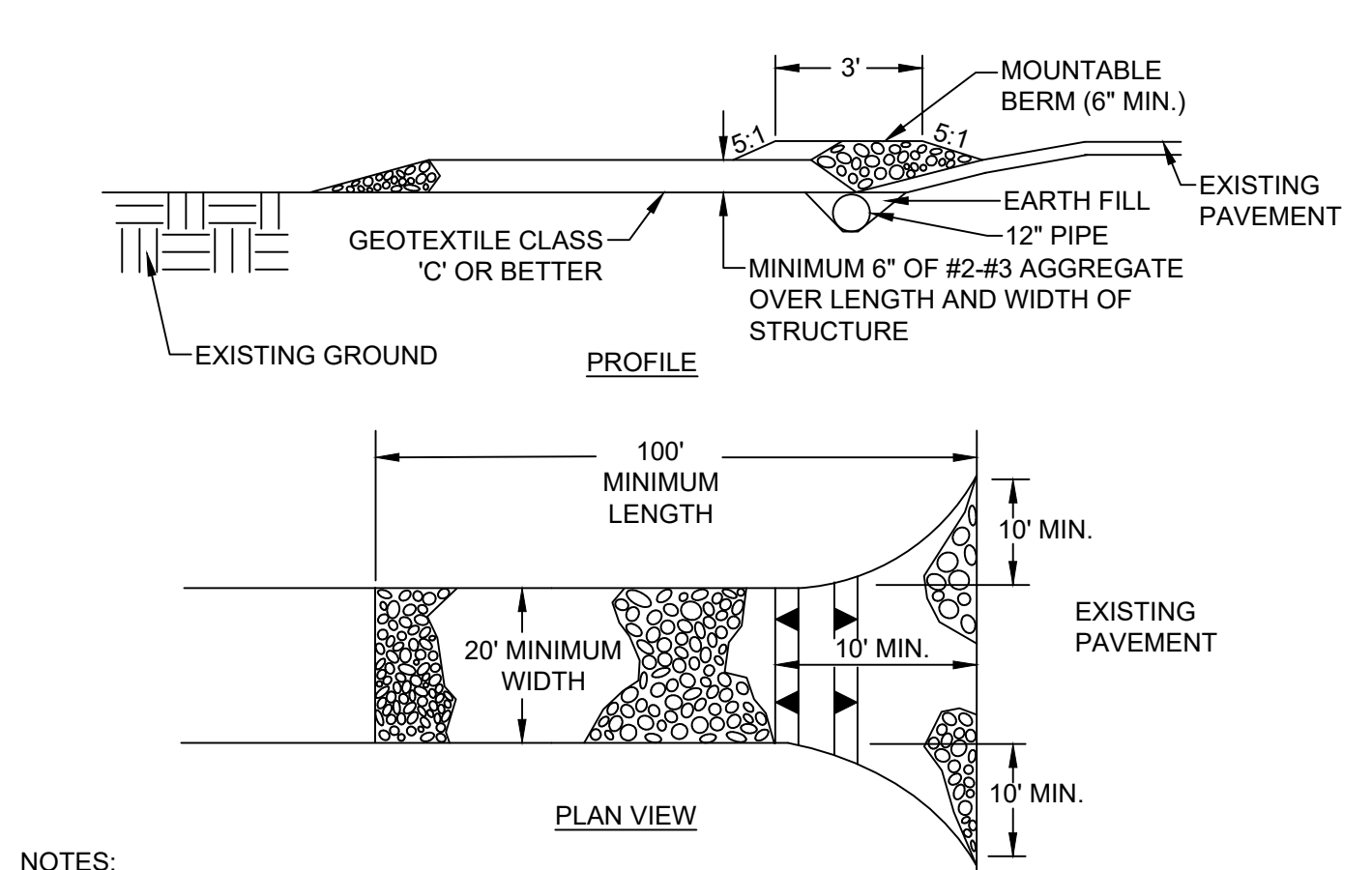
KORDA
 KORDA NEMETH ENGINEERING
 1650 WATERMARK DRIVE
 SUITE 200
 COLUMBUS, OHIO 43215

DRAWN BY: EAM
 DESIGNED BY: EAM
 CHECKED BY: GJW
 PROJECT NUMBER: 2023-0006



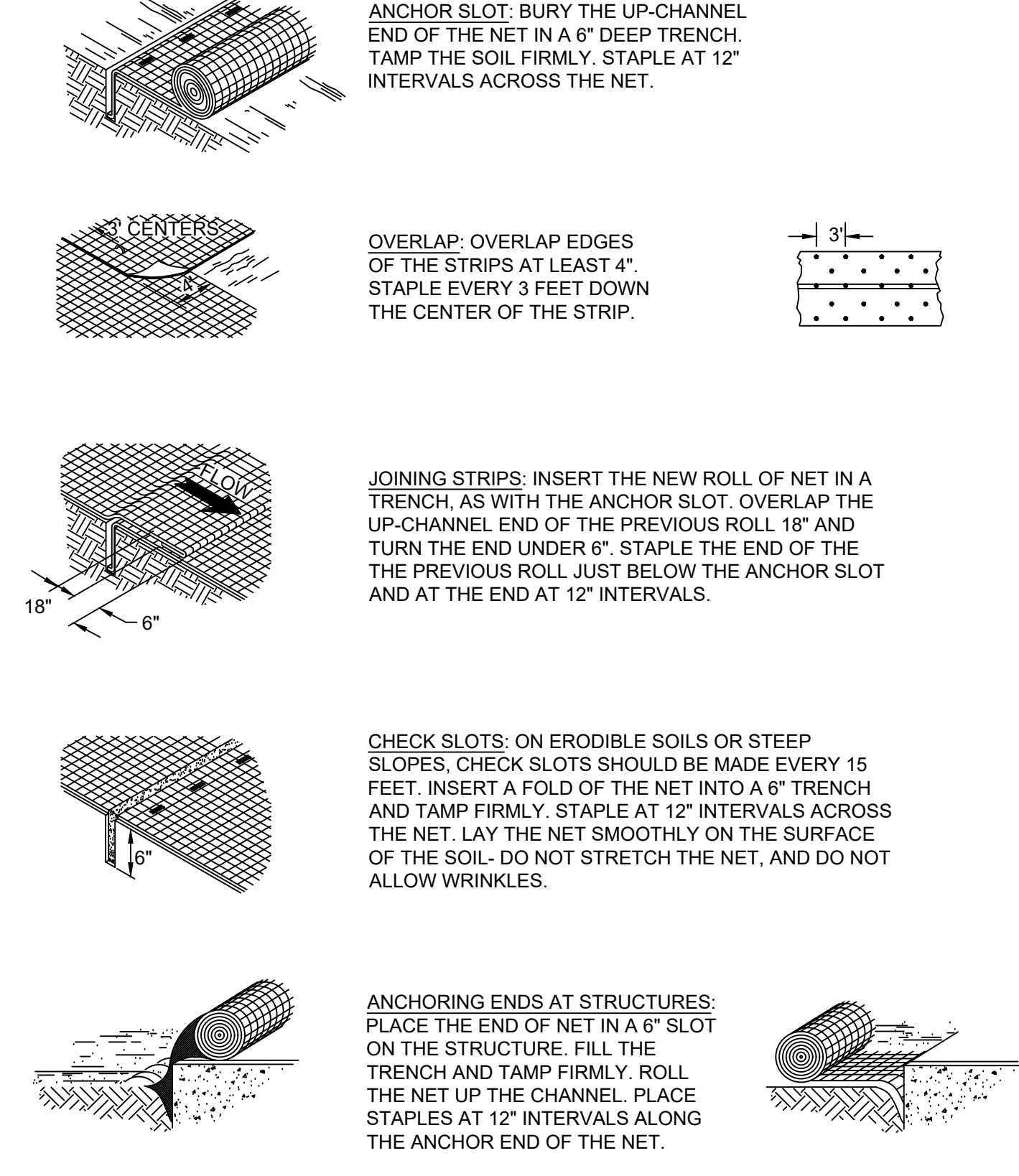
- NOTES:**
1. THE PUMPING OR DIRECT DISCHARGE OF SEDIMENT-LADEN (MUDDY) WATER TO THE CITY'S SEWER SYSTEM OR A RECEIVING STREAM IS A VIOLATION OF OHIO EPA AND CITY OF COLUMBUS REGULATIONS.
 2. ALL INLETS RECEIVING FLOW FROM RUNOFF, PUMPING ACTIVITIES, OR OTHER DIRECT DISCHARGES SHALL BE FITTED WITH AN INLET PROTECTION DEVICE THAT IS PROPERLY SIZED AND SECURED TO REDUCE THE DISCHARGE OF SEDIMENT INTO THE STORM SEWER AND RECEIVING STREAM. INLET PROTECTION IS REQUIRED ON ALL INLETS RECEIVING DISCHARGE REGARDLESS OF WHETHER OR NOT THE INLET IS TRIBUTARY TO ANY DOWNSTREAM EROSION AND SEDIMENT CONTROLS.
 3. DISCHARGE HOSES USED DURING PUMPING ACTIVITIES SHALL BE FITTED WITH SEDIMENT BAGS THAT ARE PROPERLY SIZED PER MANUFACTURER'S RECOMMENDATIONS REGARDLESS OF WHAT OTHER SEDIMENT CONTROLS ARE IN PLACE FURTHER DOWNSTREAM. SEDIMENT BAGS MUST BE PROPERLY SECURED TO THE DISCHARGE HOSE AND PLACED OVER VEGETATED AREAS, WHERE FEASIBLE, DURING DISCHARGE. SEE DETAIL ABOVE OF A TYPICAL SEDIMENT BAG INSTALLATION.

A DETAIL
DEWATERING BAG N.T.S.

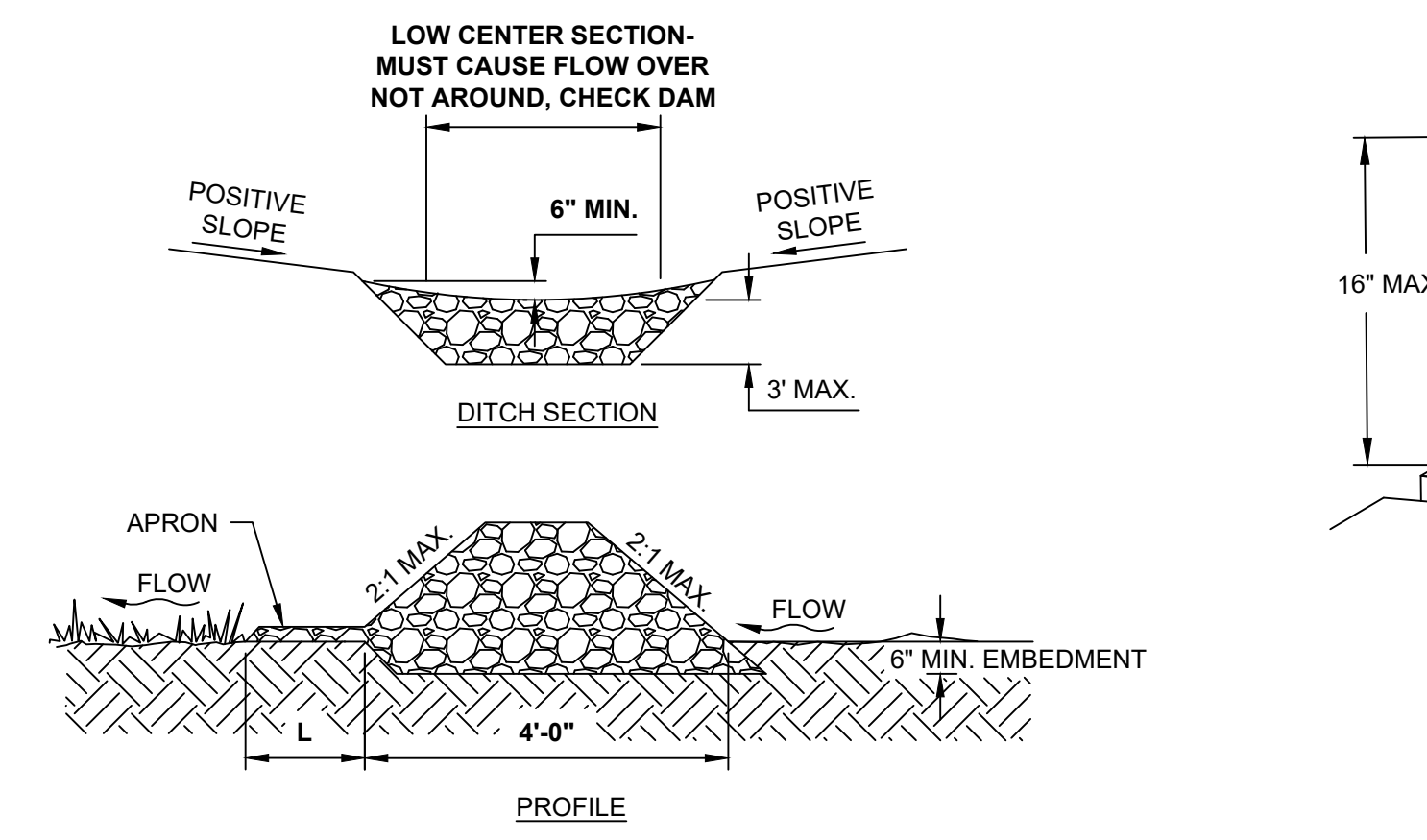


- NOTES:**
1. LENGTH - MINIMUM OF 100'
 2. WIDTH - 20' MINIMUM, SHOULD BE FLARED AT THE EXISTING ROAD TO PROVIDE A TURNING RADIUS.
 3. GEOTEXTILE FABRIC (FILTER CLOTH) SHALL BE PLACED OVER THE EXISTING GROUND PRIOR TO PLACING STONE.
 4. STONE - CRUSHED AGGREGATE (#2 TO #3) OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT SHALL BE PLACED AT LEAST 6" DEEP OVER THE LENGTH AND WIDTH OF THE ENTRANCE.
 5. SURFACE WATER - ALL SURFACE WATER FLOWING TO OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED THROUGH THE ENTRANCE, MAINTAINING POSITIVE DRAINAGE. PIPE INSTALLED THROUGH THE STABILIZED CONSTRUCTION ENTRANCE SHALL BE PROTECTED WITH A MOUNTABLE BERM WITH 5:1 SLOPES AND A MINIMUM OF 6" OF STONE OVER THE PIPE.
 6. LOCATION - A STABILIZED CONSTRUCTION ENTRANCE SHALL BE LOCATED AT EVERY POINT WHERE CONSTRUCTION TRAFFIC ENTERS OR LEAVES A CONSTRUCTION SITE. VEHICLES LEAVING THE SITE MUST TRAVEL OVER THE ENTIRE LENGTH OF THE STABILIZED CONSTRUCTION ENTRANCE.
 7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PUBLIC RIGHT-OF-WAY MUST BE REMOVED IMMEDIATELY.
 8. WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAYS. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
 9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

B DETAIL
STABILIZED CONSTRUCTION ENTRANCE N.T.S.

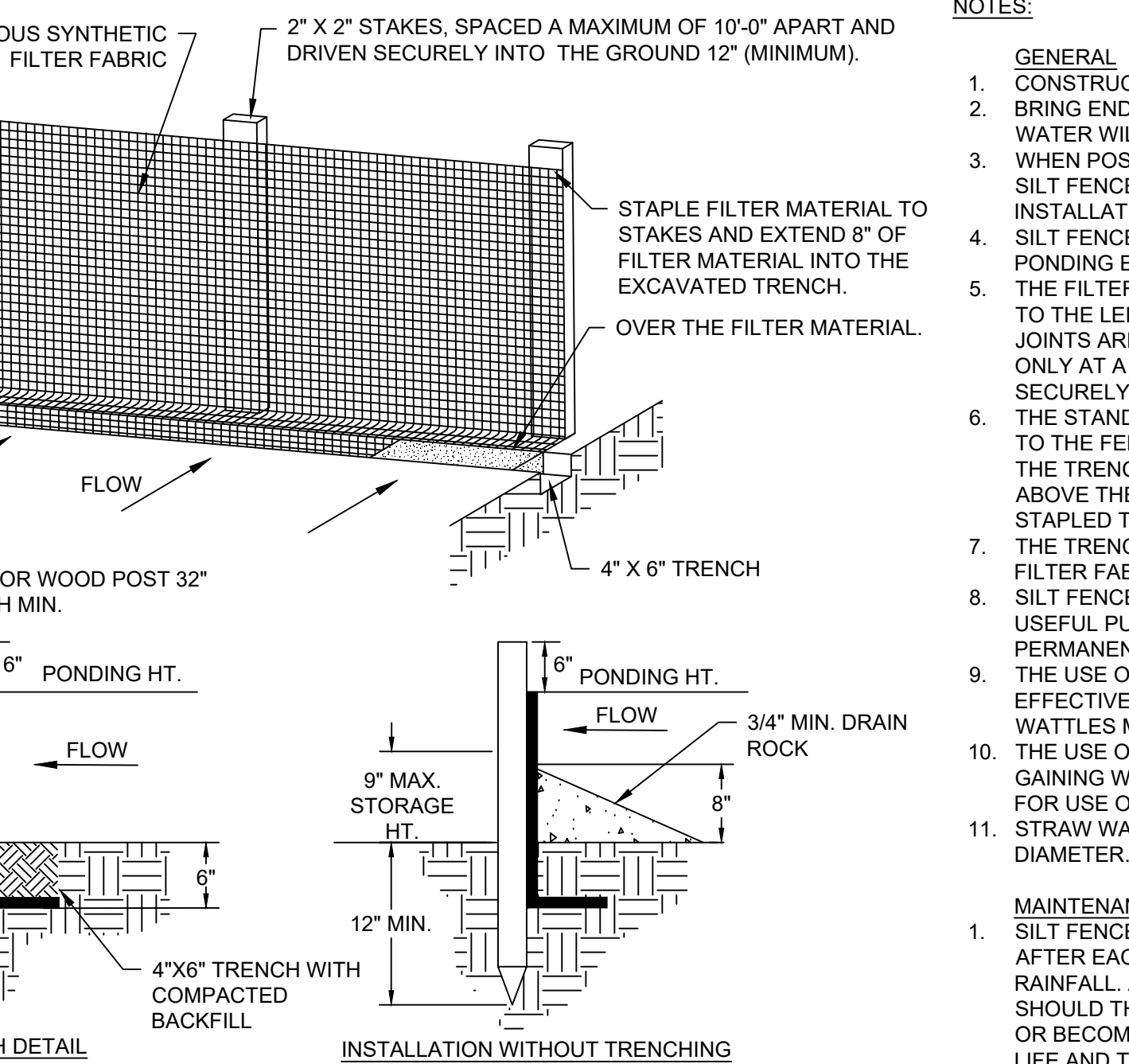


C DETAIL
INSTALLATION AND ORIENTATION OF NETTING AND MATTING N.T.S.

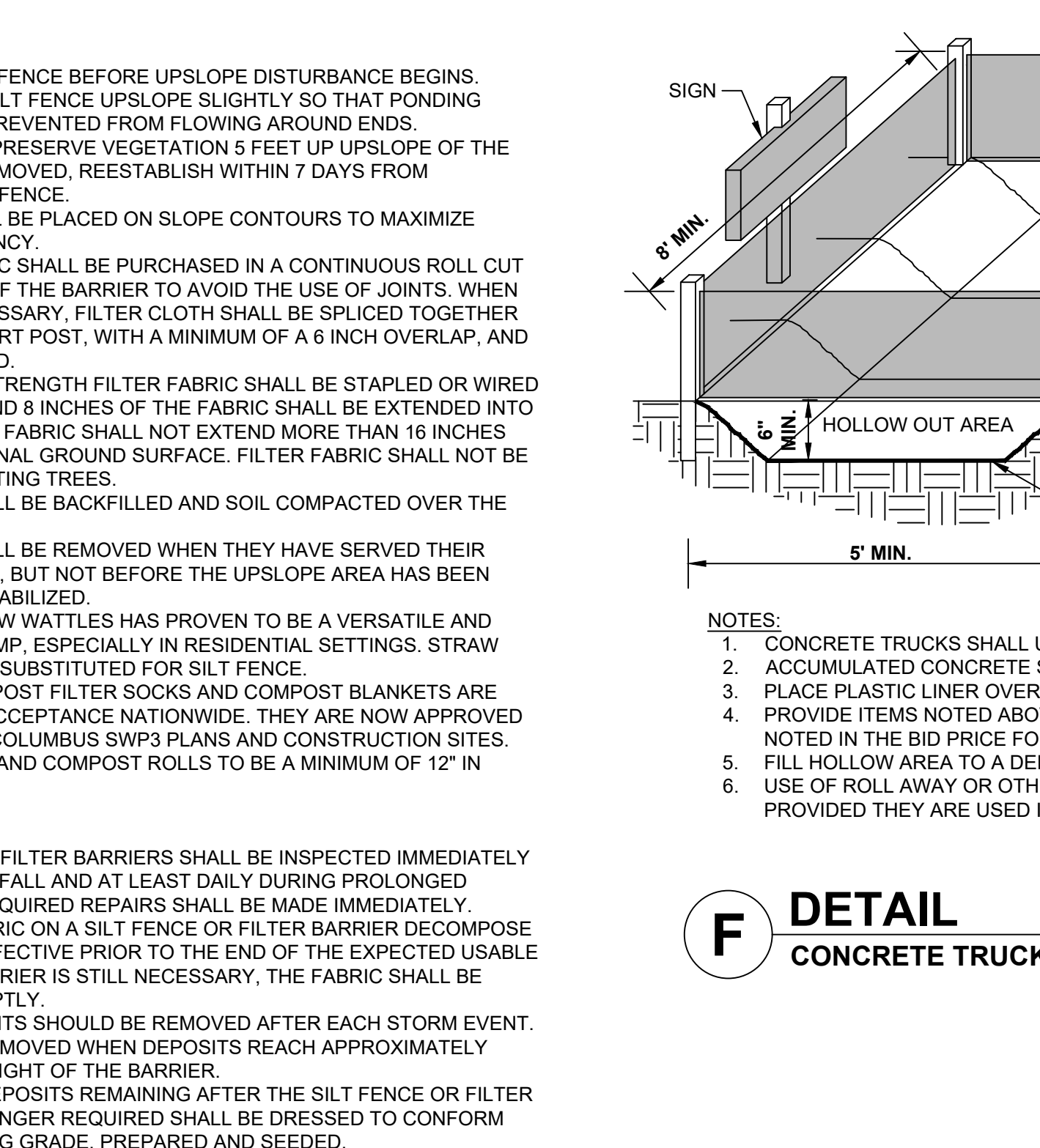


- NOTES:**
1. CONSTRUCT CHECK DAM SUCH THAT THE CENTER IS 6 INCHES LOWER THAN THE OUTER EDGES.
 2. PROVIDE STONE FOLLOWING THE SPECIFICATIONS OF ODOT "CMSC" ITEM 601, TYPE D WITH FILTER.
 3. SPACING OF CHECK DAMS SHALL BE IN A MANNER SUCH THAT THE TOE OF THE UPSTREAM DAM IS AT THE SAME ELEVATION AS THE TOP OF THE DOWNSTREAM DAM.
 4. A SPLASH APRON SHALL BE CONSTRUCTED WHERE CHECK DAMS ARE EXPECTED TO BE IN USE FOR AN EXTENDED PERIOD OF TIME. A STONE APRON SHALL BE CONSTRUCTED IMMEDIATELY DOWNSTREAM OF THE CHECK DAM TO PREVENT FLOWS FROM UNDERCUTTING THE STRUCTURE. THE APRON SHOULD BE 6 INCHES THICK AND ITS LENGTH (L) TWO TIMES THE HEIGHT OF THE DAM.
 5. STONE PLACEMENT SHALL BE PERFORMED EITHER BY HAND OR MECHANICALLY AS LONG AS THE CENTER OF CHECK DAM IS LOWER THAN THE SIDES AND EXTENDS ACROSS THE ENTIRE CHANNEL.

D DETAIL
ROCK CHECK DAM N.T.S.



E DETAIL
SILT FENCE N.T.S.



F DETAIL
CONCRETE TRUCK WASHOUT AREA N.T.S.

REVISIONS	MARK	DATE	DESCRIPTION

EROSION CONTROL DETAILS

Revision Schedule

#	Description	Date

DELAWARE COUNTY, OHIO
FINAL ENGINEERING PLAN
FOR
MCCAMMON CREEK PARK
PHASE 2

KORDA
KORDA NEMETH ENGINEERING, INC. - Consulting Engineers
1650 Watermark Drive, Suite 200 - Columbus, Ohio 43215-7010
TEL: 614-467-1650 - FAX: 614-467-1651 - WEB: www.korda.com

DATE
11/17/2023

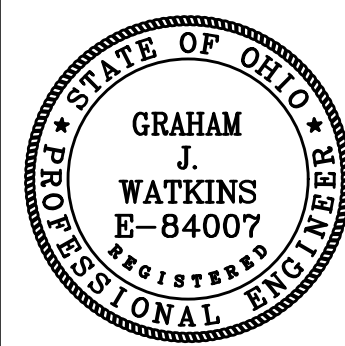
JOB NO.
2023-0006

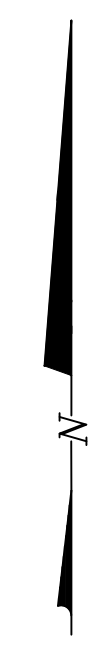
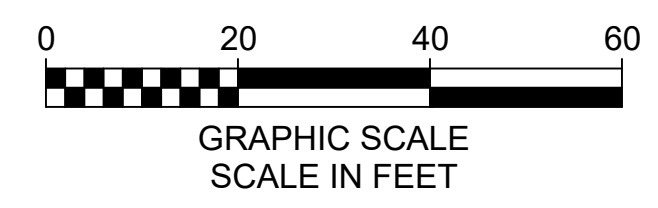
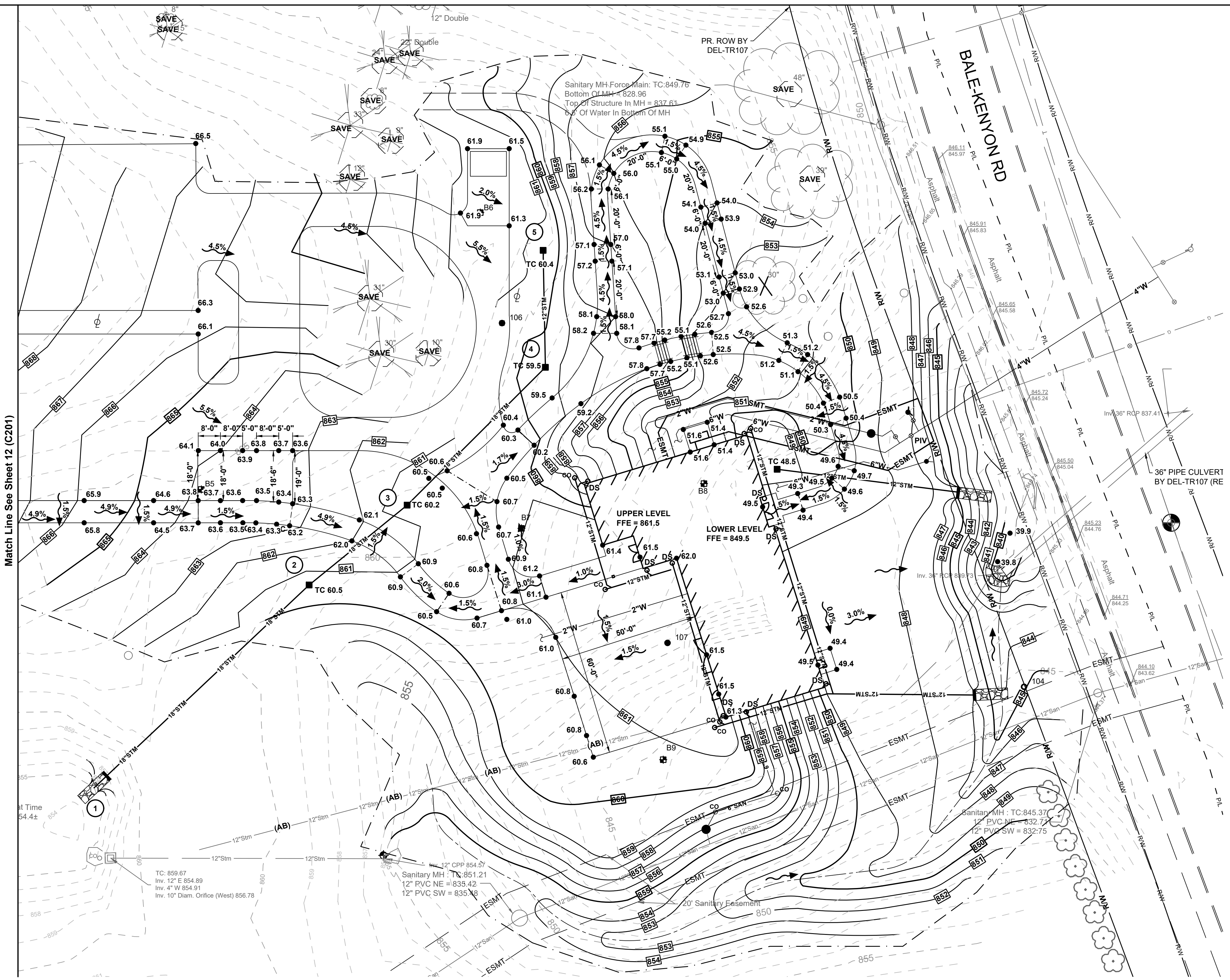
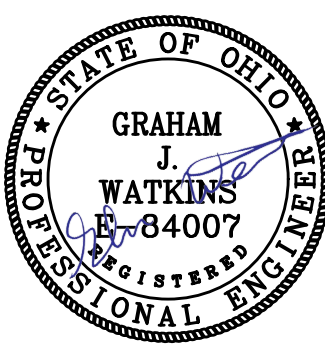
SHEET
17/21

PROJECT NUMBER: 2023-0006

KORDA
KORDA NEMETH ENGINEERING
1650 WATERMARK DRIVE
SUITE 200
COLUMBUS, OHIO 43215
DRAWN BY: EAM
DESIGNED BY: EAM
CHECKED BY: GJW
PROJECT NUMBER: 2023-0006

#	Description	Date





GRADING LEGEND

- EXISTING**
REFER TO SHEET 2
- PROPOSED**
- INDEX CONTOUR
 - INTERMEDIATE CONTOUR
 - BUILDING/WALL
 - UNDERGROUND ELECTRIC LINE
 - UNDERGROUND TELEPHONE LINE
 - WATER LINE
 - STORM SEWER
 - UNDERDRAIN
 - SANITARY SEWER
 - CATCH BASIN
 - DOWNSPOUT ADAPTER
 - GATE VALVE & CURB BOX
 - GRADE BREAK (CROWN) LINE
 - GRADING/SEEDING LIMITS
 - SPOT ELEVATION
 - TOP OF CASTING
 - TOP OF CURB ELEVATION
 - GUTTER ELEVATION AT FACE OF CURB
 - FLOW DIRECTION ARROW
 - HIGH (CROWN) POINT
 - EMERGENCY OVERTFLOW
 - MATCH EXISTING ELEVATION
 - TREE PROTECTION PER DETAIL A/8(C104)

GENERAL NOTES:

- PROVIDE 10" UNDERDRAINS IN FOUR DIRECTIONS AT CATCH BASINS IN PAVEMENT.
- PAVEMENT ELEVATIONS REFER TO FINISHED PAVEMENT ELEVATION AT FACE OF CURB UNLESS OTHERWISE NOTED.
- CONSTRUCTION WORK WILL NOT BE PERMITTED WITHOUT APPROVED PLANS AND INSPECTION.
- ADD 800" TO SPOT ELEVATIONS TO OBTAIN U.S.G.S. ELEVATIONS.
- PERFORM WORK IN ACCORDANCE WITH ODOT MATERIAL SPECIFICATIONS AND STANDARD CONSTRUCTION DRAWINGS. IN CASE OF A DISCREPANCY BETWEEN COUNTY OF DELAWARE REQUIREMENTS AND PROJECT SPECIFICATIONS, COUNTY OF DELAWARE STANDARDS SHALL GOVERN.
- SOIL EROSION AND SEDIMENTATION BMP MEASURES, PER SHEET C205, SHALL BE INSTALLED PRIOR TO START OF ANY CONSTRUCTION AND SHALL BE MAINTAINED UNTIL CONSTRUCTION HAS BEEN COMPLETED, INCLUDING GRASS BEING WELL ESTABLISHED AND/OR PERMANENT EROSION AND SEDIMENTATION BMP MEASURES IN PLACE. BMP MEASURES SHALL BE TO THE SATISFACTION OF DELAWARE COUNTY.
- STREET CLEANING (ON AN AS-NEEDED BASIS) IS REQUIRED THROUGH THE DURATION OF THIS CONSTRUCTION PROJECT. THIS INCLUDES SWEEPING, POWER CLEANING, AND (IF NECESSARY) MANUAL REMOVAL OF DIRT AND/OR MUD IN THE STREET GUTTERS.
- REMOVE SEDIMENT FROM DETENTION AREAS, OUTLET STRUCTURES, AND UNDERDRAINS ONCE FINAL SEED HAS BEEN ESTABLISHED.
- ANY EXISTING STORM INLETS IMPACTED BY THE NEW CONSTRUCTION ACTIVITY WILL NEED THE APPROPRIATE INLET PROTECTION FOR SEDIMENT CONTROL.
- DIMENSIONS AND COORDINATES ARE TO FACE OF CURB OR FACE OF BUILDING UNLESS OTHERWISE NOTED.
- EXTEND UTILITIES TO WITHIN 5'-0" OF FACE OF BUILDING UNLESS OTHERWISE NOTED. COORDINATE EXACT LOCATION WITH PLUMBING CONTRACTOR. FINAL CONNECTION BY PLUMBING CONTRACTOR.
- MAXIMUM FINISH SLOPES SHALL BE 4:1 UNLESS OTHERWISE NOTED.
- COORDINATES AND ELEVATIONS BASED ON SURVEY PERFORMED BY WOOLPERT, DATED 05/16/2022. REFER TO SURVEY SHEET.
- CONTRACTOR SHALL STRIP AND STOCKPILE EXISTING TOPSOIL THROUGHOUT THE SITE PRIOR TO EXCAVATION. UPON COMPLETION OF FINAL GRADING, PROVIDE 6 INCHES OF TOPSOIL AND SEED AREAS DISTURBED BY CONSTRUCTION, INCLUDING LAYDOWN AREAS AND TRAILER LOCATIONS IF LOCATED OUTSIDE THE GRADING/SEEDING LIMITS.
- DISPOSE EXCESS EXCAVATED MATERIALS AND UNACCEPTABLE/UNSUITABLE SOILS OFF SITE IN ACCORDANCE WITH LOCAL CODES. NO PERMANENT STOCKPILES WILL REMAIN ON SITE.
- EXISTING VALVES, MANHOLES, AND OTHER APPURTANCES TO REMAIN LOCATED WITHIN THE WORK LIMITS SHALL BE ADJUSTED TO FINISH GRADE.
- OUTLET CURB UNDERDRAINS TO ADJACENT EXISTING UNDERDRAINS OR STORM SEWER SYSTEM.
- EXPOSE UTILITIES NOTED THUS: EXPOSE PRIOR TO BEGINNING WORK ON THAT UTILITY TO DETERMINE EFFECTS ON THE PROPOSED ALIGNMENT AND PROFILE. REPORT ELEVATION AND LOCATION TO THE ENGINEER IN ORDER THAT ANY CORRECTIONS TO THE ELEVATION AND LOCATION CAN BE MADE.
- CONCRETE ADJACENT TO BUILDING SHALL BE SLOPED AWAY FROM BUILDING AT 2.0% UNLESS OTHERWISE NOTED.
- ROOF DRAINS, FOUNDATION DRAINS, AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER ARE PROHIBITED.
- EMBANKMENT SHALL BE CONSTRUCTED PER DETAIL E/14(C203) AND SPECIFICATIONS 31 00 00.

EARTHWORK NOTES:

- REFER TO GCI SUBSURFACE EXPLORATION AND GEOTECHNICAL ENGINEERING REPORT, GCI PROJECT NO. 22-G-26626, DATED JULY 14, 2022 FOR SITE SOILS INFORMATION. SITE PREPARATION SHALL BE PER SPECIFICATION SECTION 31 00 00 UNLESS OTHERWISE NOTED IN THESE PLANS. PLEASE NOTE THE FOLLOWING SOIL REMEDIATION PROVISIONS FOR THIS PROJECT:
- CONTRACTOR SHALL STRIP AND STOCKPILE EXISTING TOPSOIL THROUGHOUT THE SITE PRIOR TO EXCAVATION. UPON COMPLETION OF FINAL GRADING, THE CONTRACTOR MAY EMBANK ADDITIONAL TOPSOIL WITHIN LAWN AREAS TO HELP EARTHWORK BALANCE.
 - IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONDUCT ANY DEWATERING OPERATIONS NECESSARY FOR EARTHWORK ACTIVITIES, AS SPECIFIED IN SPECIFICATION SECTION 31 00 00.

EXISTING FILL SOIL REMOVAL NOTES:

- REMOVE EXISTING FILL SOILS UNDER NEW BUILDING AND EXTENDING 10' BEYOND THE BUILDING. COORDINATE REMOVAL WITH TESTING AGENCY. TESTING AGENCY SHALL APPROVE REMOVAL PRIOR TO PLACING FILL.
- PROOF ROLL NATIVE SOIL AND PREPARE SUBGRADE PER SPECIFICATION SECTION 31 00 00 PRIOR TO FILL PLACEMENT.
- PLACE FILL IN ACCORDANCE WITH SPECIFICATION SECTION 31 00 00.
- SOME EXISTING FILL SOIL WILL BE ACCEPTABLE AS FILL MATERIAL. PROVIDE ANY ADDITIONAL SOIL AS NECESSARY TO COMPLETE FILL CONSTRUCTION. DISPOSE OF ANY UNSUITABLE FILL OFF-SITE IN ACCORDANCE WITH LOCAL CODES.

KORDA
KORDA NEMETH ENGINEERING
1650 WATERMARK DRIVE
SUITE 200
COLUMBUS, OHIO 43215

DESIGNED BY: EAM
CHECKED BY: GJW
PROJECT NUMBER: 2023-0006

MARK	DATE	DESCRIPTION

GRADING PLAN

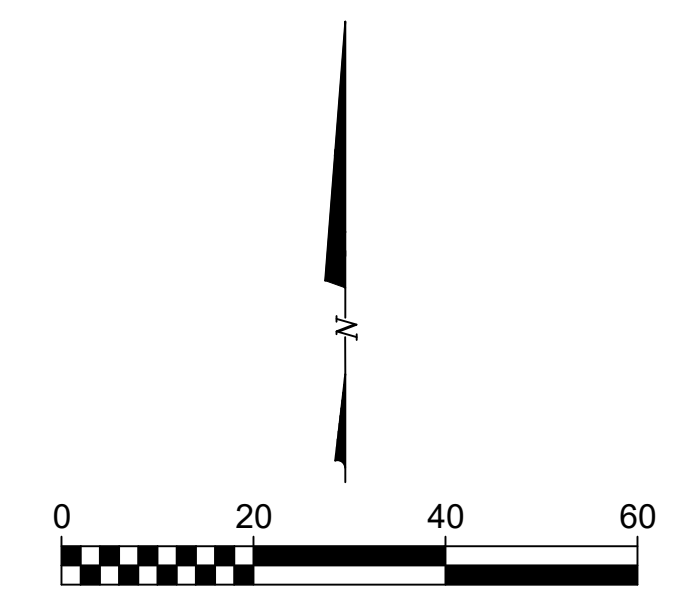
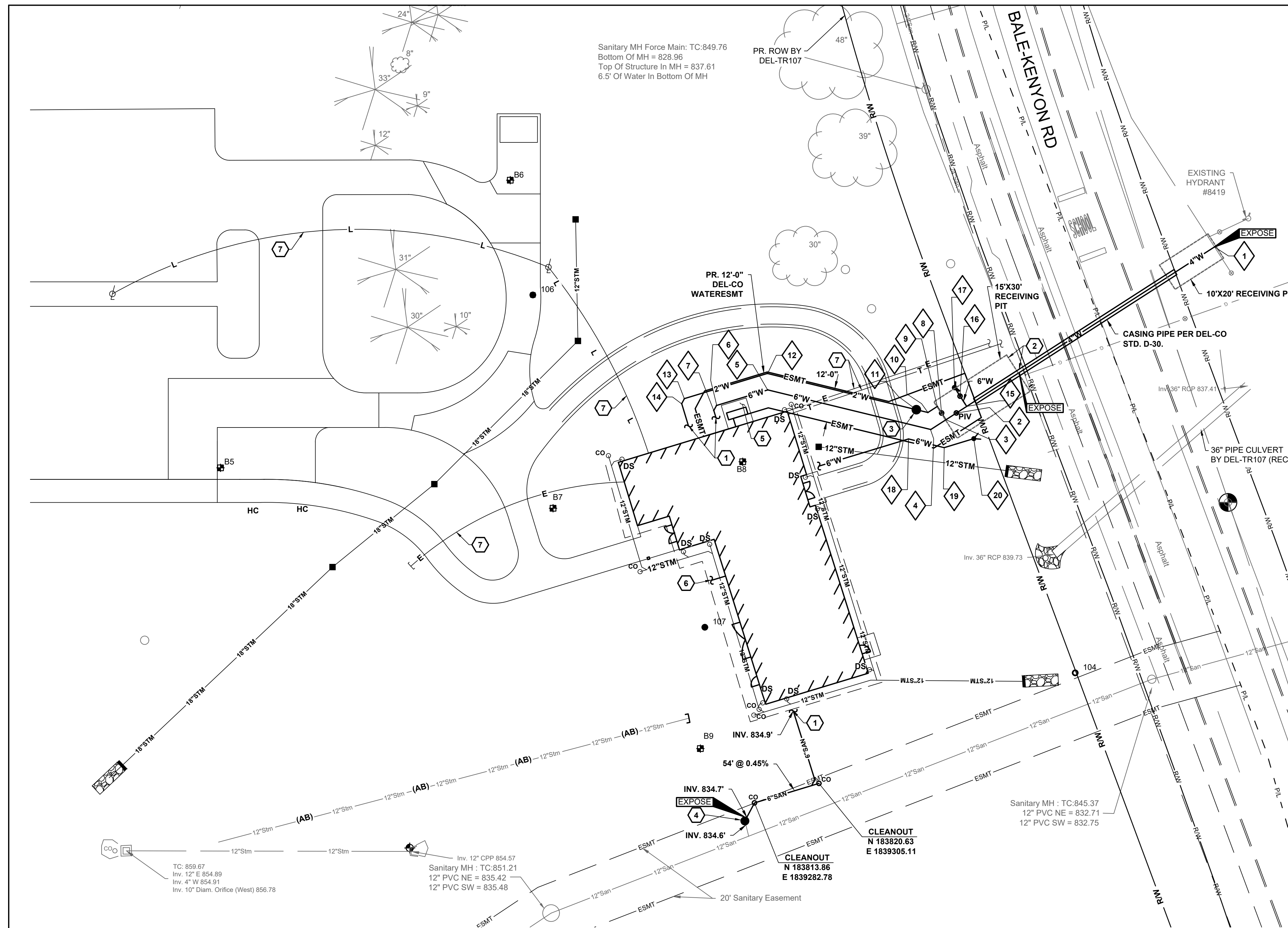
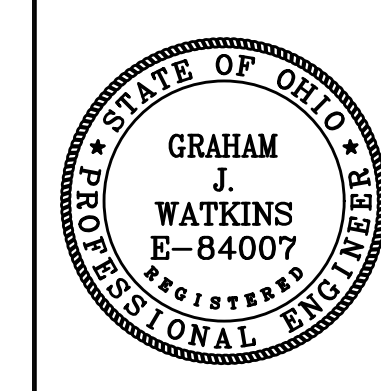
DELAWARE COUNTY, OHIO
FINAL ENGINEERING PLAN
FOR
MCCAMMON CREEK PARK
PHASE 2

KORDA
Korda/Nemeth Engineering, Inc. - Consulting Engineers
1650 Watermark Drive, Suite 200 - Columbus, Ohio 43215-7010
TEL: 614-467-1650 - FAX: 614-467-1691 - WEB: www.korda.com

DATE: 11/17/2023

JOB NO.: 2023-0006

SHEET: 18/21



UTILITY LEGEND

REFER TO SHEET 2

EXISTING	PROPOSED	DESCRIPTION
—E—	—E—	UNDERGROUND ELECTRIC LINE
—T—	—T—	UNDERGROUND TELEPHONE LINE
—W—	—W—	WATER LINE
—STM—	—STM—	STORM SEWER
—UD—	—UD—	UNDERDRAIN
—SAN—	—SAN—	SANITARY SEWER
—[]—	—[]—	CUT AND PLUG EXISTING UTILITY
—(AB)—	—(AB)—	ABANDON EXISTING UTILITY
—(R)—	—(R)—	REMOVE EXISTING UTILITY
⊕	⊕	GATE VALVE & CURB BOX
⊕	⊕	POST INDICATING VALVE
⊕	⊕	FIRE DEPARTMENT CONNECTION
⊕	⊕	CLEAN OUT
①	①	STRUCTURE NUMBER

- GENERAL NOTES:**
- OBTAIN ALL PERMITS TO COMPLETE THE WORK SHOWN.
 - DIMENSIONS AND COORDINATES ARE FROM FACE OF CURB OR EXTERIOR FACE OF BUILDING, UNLESS OTHERWISE NOTED.
 - EXTEND UTILITIES TO WITHIN 5' OF FACE OF BUILDING, UNLESS OTHERWISE NOTED. COORDINATE EXACT LOCATION WITH PLUMBING CONTRACTOR. FINAL CONNECTION BY PLUMBING CONTRACTOR.
 - REFER TO SHEETS 11-17 (C200-C206) FOR STORM SEWER INFORMATION.
 - MAINTAIN MINIMUM 4'-0" COVER OVER ALL WATERLINES.
 - MAINTAIN MINIMUM 18" VERTICAL CLEARANCE FROM THE OUTSIDE OF ANY WATERLINE PIPE TO THE OUTSIDE OF ANY STORM OR SANITARY SEWER.
 - PROVIDE THRUST BLOCKS OR RESTRAINED MECHANICAL JOINT PIPE AT EACH VALVE, TEE, FITTING, OR CHANGE IN DIRECTION OF WATERLINE. REFER TO DELCO STD. DWG. D-4
 - ROOF DRAINS, FOUNDATION DRAINS, AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER ARE PROHIBITED.
 - ALL COORDINATES AND ELEVATIONS BASED ON SURVEY PERFORMED BY WOOLPERT DATED 05/16/2022. REFER TO SURVEY SHEET.
 - WHERE PLANS PROVIDE FOR A PROPOSED UTILITY TO BE CONNECTED TO, OR CROSS OVER, OR UNDER AN EXISTING UNDERGROUND UTILITY, THE CONTRACTOR SHALL LOCATE THE EXISTING PIPES OR UTILITIES, BOTH AS TO LINE AND GRADE BEFORE STARTING TO LAY THE PROPOSED UTILITY. THESE LOCATIONS ARE NOTED THUS: **EXPOSE**. IF IT IS DETERMINED THAT THE ELEVATION OF THE EXPOSED UTILITY DIFFERS FROM THE PLAN ELEVATION, RESULTS IN A CHANGE IN THE PLAN SEWER SLOPE, OR WILL INTERSECT AN EXISTING UTILITY AS SHOWN ON THE PLAN, THE ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED UTILITY WHICH WILL BE AFFECTED BY THE VARIANCE IN THE EXISTING ELEVATIONS.
 - SUPPORT AND PROTECT ALL UTILITIES EXPOSED DURING EXCAVATION AND TRENCHING.
 - ANY REQUIRED WATERLINE SHUT-DOWNS SHALL BE COORDINATED WITH THE OWNER AND DEL-CO WATER.
- CODED NOTES:**
- CAP AND MARK FOR FUTURE CONNECTION. COORDINATE FINAL LOCATION AND ELEVATION WITH PLUMBING CONTRACTOR. FINAL CONNECTION BY PLUMBING CONTRACTOR.
 - PROVIDE FREE BORE WATER SERVICE PER DELCO STD. DWG. D-23 AND CASING PIPE PER DELCO STD. DWG. D-8.
 - 2" METER & METER PIT BY DEL-CO WATER.
 - CUT AND CAP EXISTING SANITARY SERVICE. RECONNECT NEW SERVICE TO EXISTING SANITARY TAP UTILIZING AN INSPECTION MANHOLE PER DELAWARE COUNTY STD. DWG. S.A.S-30. INVERTS TO MANHOLE ARE ASSUMED. EXPOSE EXISTING PIPE BEFORE ORDERING MANHOLE.
 - MECHANICAL EQUIPMENT, COORDINATE WATERLINE LOCATION WITH MECHANICAL EQUIPMENT CONSTRUCTION.
 - 2" WATER SERVICE STUB TO 5' OUTSIDE BUILDING BY PLUMBING CONTRACTOR. EXTEND STUB BEYOND THE PATIO SPACE IF ALTERNATE A IS SELECTED.
 - APPROXIMATE LOCATION AND SHOWN FOR REFERENCE. COORDINATE FINAL LOCATION WITH ELECTRICAL PLANS AND ELECTRICAL CONTRACTOR.

WATER SERVICE COORDINATES

No.	Type	Northing	Easting	NORTHING AS-BUILT	EASTING AS-BUILT	CENTERLINE ELEVATION
1	8"x4" CUT-IN TEE W/ 4" VALVE RESTRAINED TO TEE BY DEL-CO WATER AT CONTRACTOR'S EXPENSE	184006.64	1839442.22			
2	4" POST INDICATING VALVE	183949.06	1839352.74			
3	4"x2" TAPPED TEE W/ 2" BRASS MIP X COMPRESSION FITTING & 2" GATE VALVE RESTRAINED TO TEE	183946.71	1839349.13			
4	45° HORZ. BEND	183943.33	1839343.87			
5	45° HORZ. BEND	183957.06	1839287.39			
6	45° HORZ. BEND	183951.67	1839269.60			
7	45° HORZ. BEND	183949.92	1839266.67			
8	2" GATE VALVE	183949.02	1839347.64			
9	90° HORZ. BEND	183951.34	1839346.15			
10	45° HORZ. BEND	183949.23	1839342.88			
11	METER PIT	183950.20	1839338.88			
12	45° HORZ. BEND	183962.76	1839287.23			

WATER SERVICE COORDINATES

No.	Type	Northing	Easting	NORTHING AS-BUILT	EASTING AS-BUILT	CENTERLINE ELEVATION
13	45° HORZ. BEND	183954.05	1839258.49			
14	45° HORZ. BEND	183952.30	1839257.55			
15	6"x6" TEE	183951.34	1839356.32			
16	6" VALVE	183954.90	1839354.03			
17	FIRE HYDRANT PER DETAIL A/C301	183957.86	1839352.12			
18	22.5° HORZ. BEND	183940.06	1839336.16			
19	22.5° HORZ. BEND	183937.05	1839348.52			
20	FIRE DEPARTMENT CONNECTION PER DETAIL B/C301	183940.16	1839358.78			

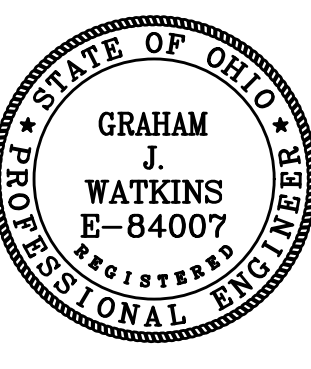
KORDA
 KORDA NEMETH ENGINEERING
 1650 WATERMARK DRIVE
 SUITE 200
 COLUMBUS, OHIO 43215

DATE: 11/17/2023

JOB NO.: 2023-0006

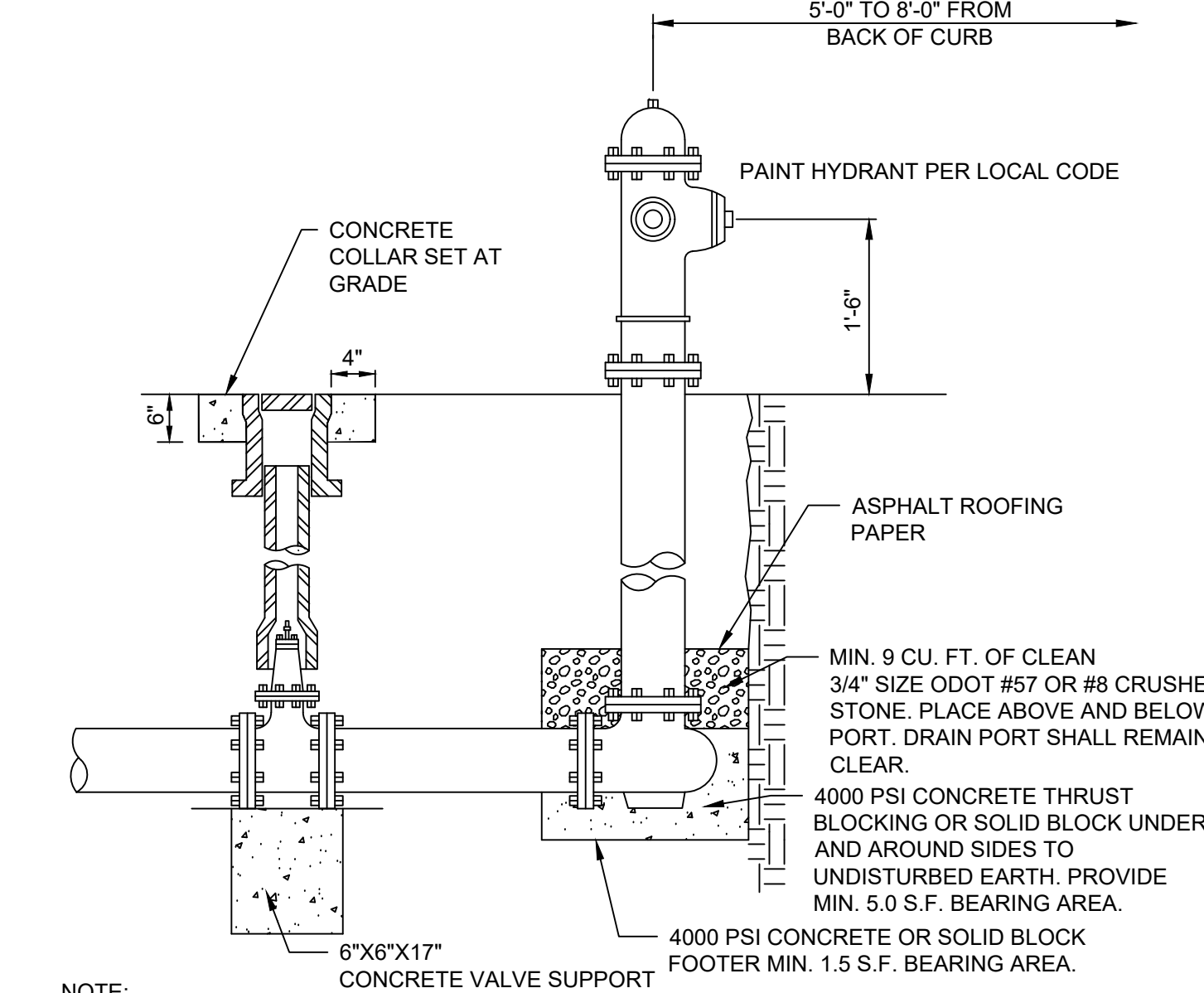
SHEET: 19/21

PROJECT NUMBER: 2023-0006

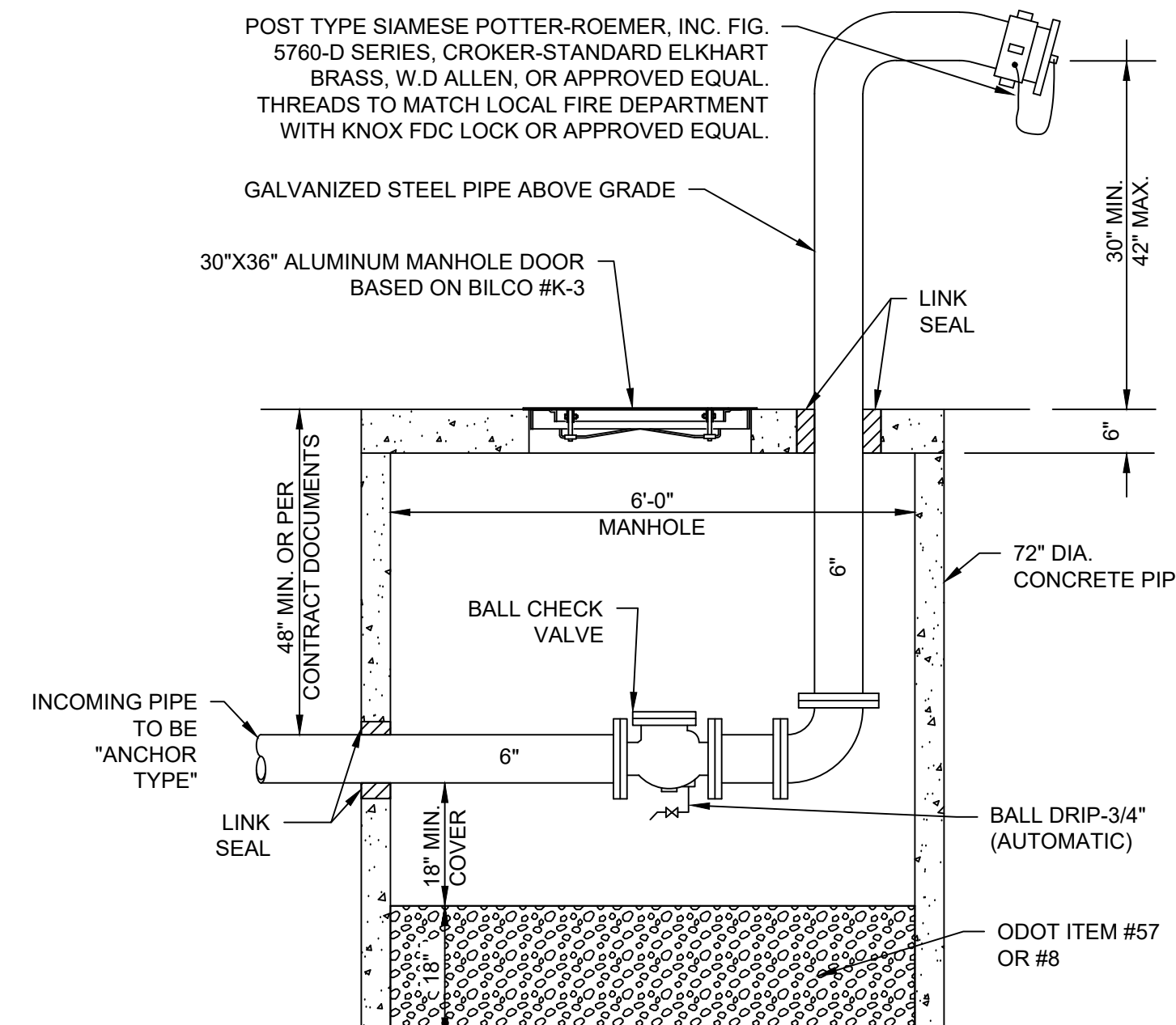


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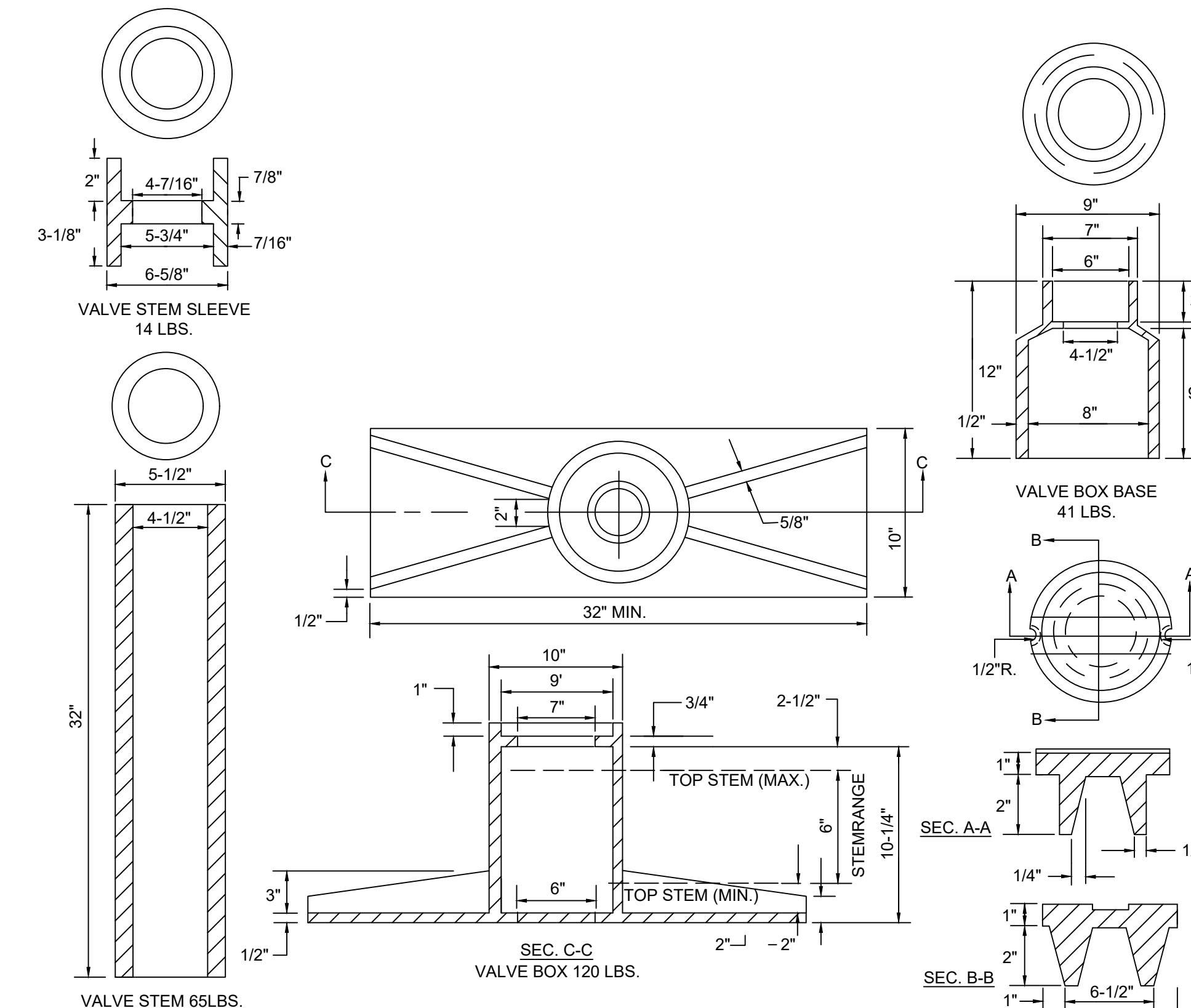
- 1. CAP AND MARK FOR FUTURE CONNECTION. COORDINATE FINAL LOCATION AND ELEVATION WITH PLUMBING CONTRACTOR. FINAL CONNECTION BY PLUMBING CONTRACTOR. FINAL CONNECTION BY PLUMBING CONTRACTOR.
- 2. CASING PIPE PER DELCO STD. DWG. D-8.



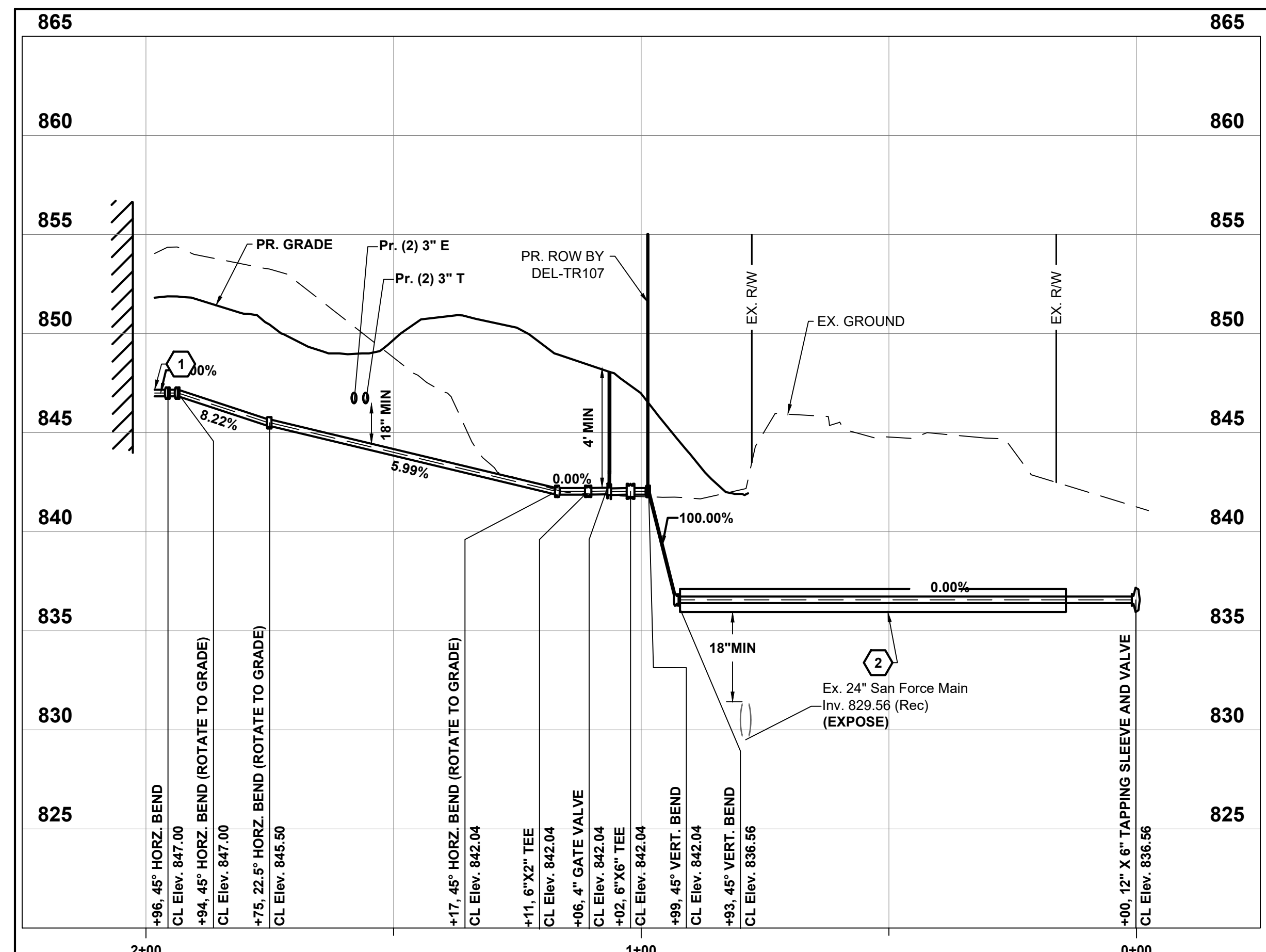
A DETAIL FIRE HYDRANT N.T.S.



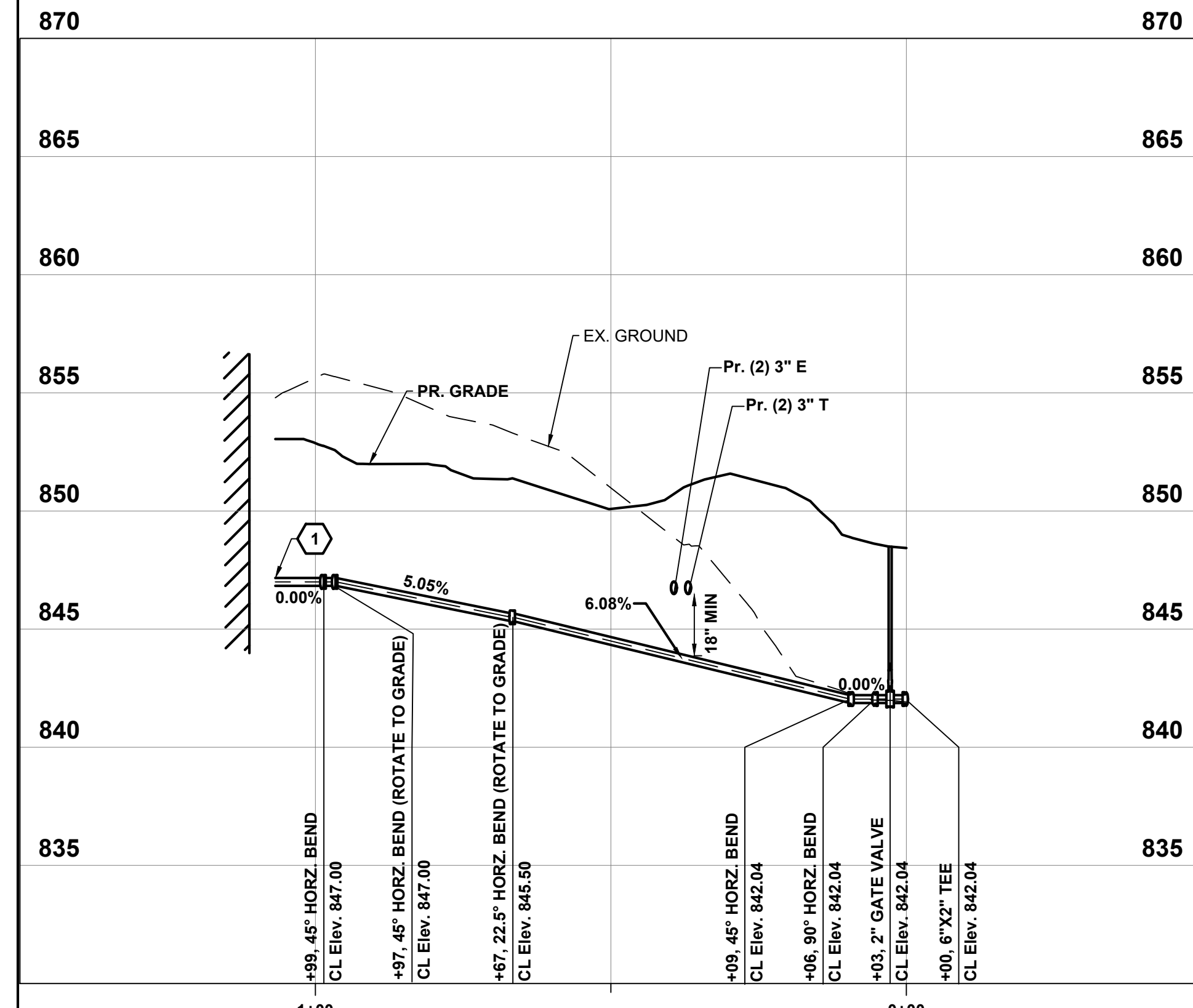
B DETAIL FIRE DEPARTMENT CONNECTION (POST TYPE) N.T.S.



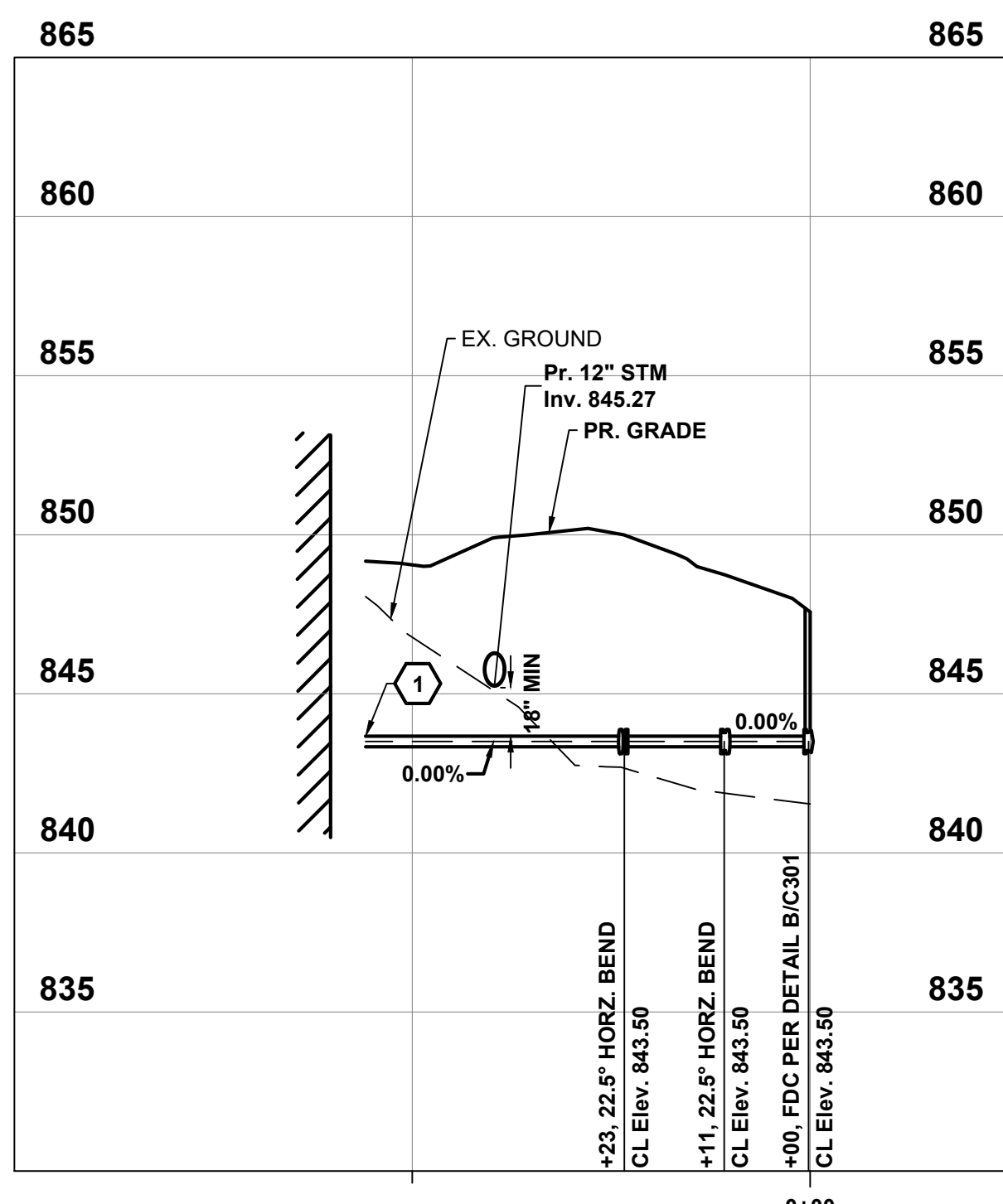
C DETAIL HD VALVE BOX N.T.S.



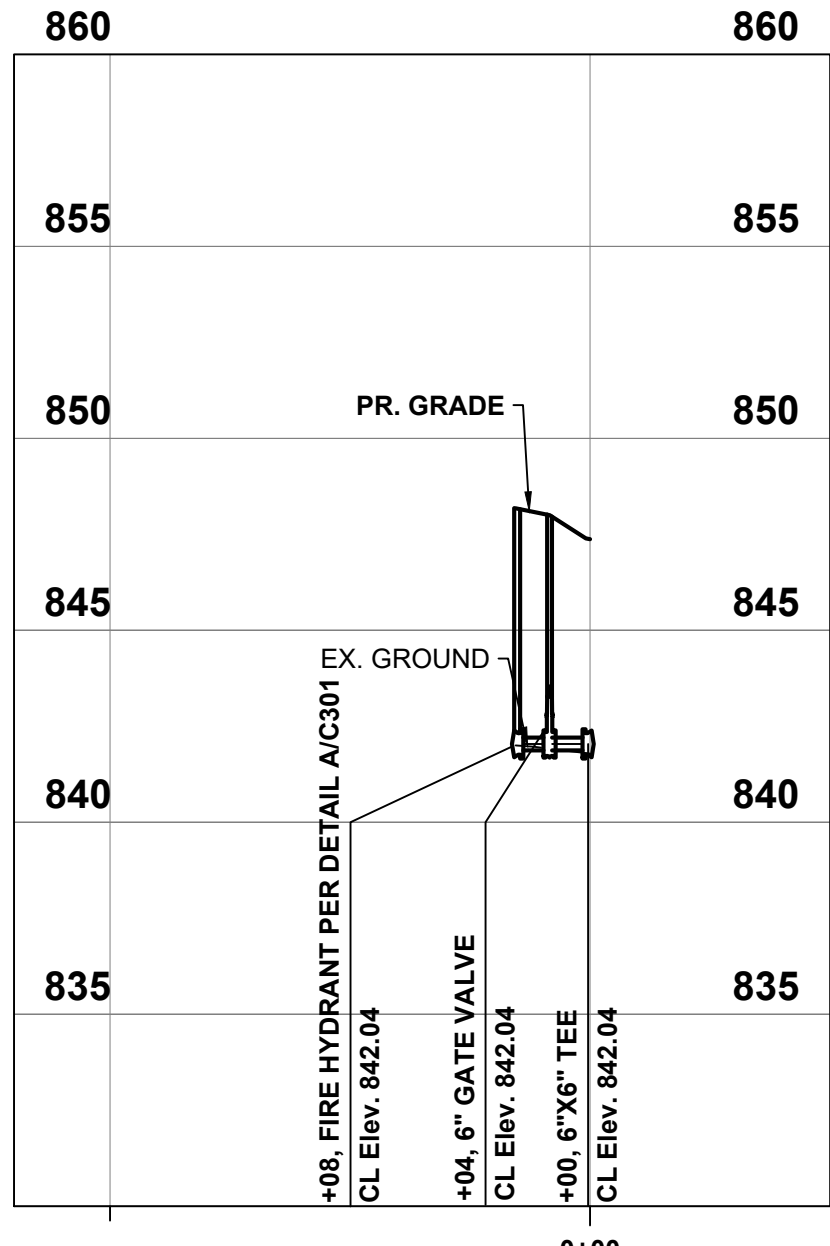
6 IN WATER SERVICE Profile
Scale: 1"=20' Horiz. 1"=5' Vert.



2 INCH WATER SERVICE Profile
Scale: 1"=20' Horiz. 1"=5' Vert.



6 INCH FDC Profile
Scale: 1"=20' Horiz. 1"=5' Vert.



6 INCH FIRE HYDRANT Profile
Scale: 1"=20' Horiz. 1"=5' Vert.

REVISIONS

MARK	DATE	DESCRIPTION
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UTILITY DETAILS

DELAWARE COUNTY, OHIO
FINAL ENGINEERING PLAN
FOR
MCCAMMON CREEK PARK
PHASE 2



DATE 11/17/2023
JOB NO. 2023-0006

DRAWN BY: EAM
DESIGNED BY: EAM
CHECKED BY: GJW
PROJECT NUMBER: 2023-0006
SHEET 20/21

REVISIONS	DATE	DESCRIPTION

DEL-CO WATER COMPANY GENERAL NOTES:

- GENERAL NOTES AS MODIFIED BY DEL-CO AND SHOWN ON THE APPROVED CONSTRUCTION DRAWINGS SHALL SUPERSEDE THE REQUIREMENTS OF THE DEL-CO WATER COMPANY CONSTRUCTION STANDARDS MANUAL WHEREVER DISCREPANCIES OCCUR.
- STANDARD GENERAL NOTES:
 - WATER LINE DESIGN, MATERIALS, AND INSTALLATION METHODS SHALL CONFORM TO APPLICABLE SECTIONS OF RECOMMENDED STANDARDS FOR WATER WORKS (TEN STATES STANDARDS), AMERICAN WATER WORKS ASSOCIATION (AWWA) STANDARDS, AND THE DEL-CO WATER COMPANY CONSTRUCTION STANDARDS MANUAL. CONTRACTOR SHALL OBTAIN A COPY OF THE STANDARDS AND HAVE IN THEIR POSSESSION AT ALL TIMES DURING CONSTRUCTION. COORDINATE WORK WITH DEL-CO WATER (740) 548-7746.
 - DEL-CO'S SIGNATURE ON THIS PLAN SIGNIFIES ONLY CONCURRENCE WITH THE GENERAL PURPOSE AND LOCATION OF THE PROPOSED WATER LINE IMPROVEMENTS. ALL TECHNICAL DETAILS REMAIN THE RESPONSIBILITY OF THE PROFESSIONAL ENGINEER WHO PREPARED AND CERTIFIED THESE PLANS. DEL-CO WATER COMPANY TAKES NO RESPONSIBILITY, FINANCIAL OR OTHERWISE, REGARDING ERRORS IN THIS PLAN.
 - CORRECTION OF ERRORS SHALL BE TO THE APPLICABLE DEL-CO WATER COMPANY STANDARD, AND THE SOLE RESPONSIBILITY OF THE DEVELOPER. ALL CORRECTIONS, OR REVISIONS THAT AFFECT DEL-CO'S WATER LINE PLANS, DIRECTLY OR INDIRECTLY SHALL BE SUBMITTED TO, AND APPROVED BY DEL-CO WATER COMPANY PRIOR TO REVISIONS BEING ISSUED.
 - GPS COORDINATES SHALL BE PROVIDED TO DEL-CO WATER AT THE COMPLETION OF THE WATERLINE INSTALLATION. THESE COORDINATES SHALL INCLUDE ALL MATERIALS, EQUIPMENT AND LABOR NECESSARY TO OBTAIN HORIZONTAL AND VERTICAL (NORTHING, EASTING AND ELEVATION) SURVEY COORDINATES FOR THE WATER MAIN IMPROVEMENTS. THE SURVEY COORDINATES SHALL BE OBTAINED AT THE COMPLETION OF THE WATER MAIN INSTALLATION AND SHALL INCLUDE ALL VALVES, TEES, FIRE HYDRANTS, BENDS, PLUGS, REDUCERS, TAPPED TEES, CURB STOPS, AIR RELEASES, 2" END OF LINE FIRE HYDRANTS, ENDS OF CASING PIPE, SERVICE SADDLES AND CORPORATIONS. ADDITIONAL GPS COORDINATES ARE REQUIRED ON THE WATER MAIN EVERY 200' WHERE NO FITTINGS OR SERVICE SADDLES ARE TO BE INSTALLED.
 - GPS COORDINATES SHALL BE REFERENCED TO THE APPLICABLE COUNTY ENGINEER'S MONUMENTS AND SHALL BE BASED ON THE NORTH AMERICAN DATUM OF 1983 (NAD 83) WITH THE NSRS2007 ADJUSTMENT, WITH FURTHER REFERENCE MADE TO THE OHIO STATE PLANE NORTH COORDINATE SYSTEM, NORTH ZONE, WITH ELEVATIONS BASED ON NAVD 88 DATUM. ALL COORDINATES (NORTHING, EASTING AND ELEVATION) SHALL BE REFERENCED TO THE NEAREST HUNDRETH. ALL SURVEY COORDINATES SHALL BE ACCURATE TO WITHIN 0.6 FOOT OR LESS HORIZONTAL AND VERTICAL.
 - THE GPS COORDINATES SHALL BE SUBMITTED TO THE DEL-CO WATER ENGINEERING DEPARTMENT IN DIGITAL SPREADSHEET FORM AND SHALL INCLUDE THE APPLICABLE ITEM, STATION, NORTHING, EASTING AND ELEVATION COORDINATES. THE ABOVE LISTED GPS COORDINATE INFORMATION SHALL BE SUBMITTED TO THE DEL-CO WATER ENGINEERING DEPARTMENT AS PART OF THE AS-BUILT DRAWING SUBMITTAL.
 - AS-BUILT DRAWINGS ARE REQUIRED FOLLOWING THE COMPLETION OF CONSTRUCTION. ONE SET OF DRAWINGS MARKED "AS-BUILT" SHALL BE SUBMITTED BY THE DEVELOPER TO DEL-CO'S INSPECTION DEPARTMENT FOR REVIEW AND APPROVAL. WATER MAINS CANNOT RECEIVE A FINAL ACCEPTANCE UNTIL AS-BUILT DRAWINGS HAVE BEEN APPROVED. PLEASE NOTE: TAPS MAY NOT BE PURCHASED NOR INSTALLED UNTIL WATER LINES HAVE RECEIVED A FINAL ACCEPTANCE.
 - WATER MAINS SHALL BECOME THE OWNERSHIP OF DEL-CO WATER UPON FINAL ACCEPTANCE.
 - G. WATER LINE CONSTRUCTION PLANS ARE APPROVED FOR A PERIOD OF ONE YEAR FROM THE DATE OF THE APPROVAL LETTER OR SIGNED PLANS. IF CONSTRUCTION HAS NOT STARTED WITHIN ONE YEAR OF THE DATE OF APPROVAL, PLANS SHALL BE RESUBMITTED TO DEL-CO WATER COMPANY FOR APPROVAL.
- WATER LINE CONSTRUCTION:
 - WATER LINES SHALL BE NSF 61 APPROVED, AND COMPLIANT WITH ASTM D2412 & OHIO EPA ENG-08-002 STANDARDS.
 - USE THE FOLLOWING TYPE AND CLASS OF PIPE UNLESS OTHERWISE INDICATED ON THE DRAWINGS:
 - 2-INCH WATER LINE PIPE: CLASS 200 SDR 21 PVC.
 - 4-INCH WATER LINE PIPE: CLASS 200 SDR 21 PVC.
 - 2-INCH FITTINGS SHALL BE PVC PUSH-ON OF SAME PRESSURE RATING AS CONNECTING PIPE.
 - ALL VALVES SHALL BE MECHANICAL JOINT CONFORMING TO AWWA WITH AISI 304 STAINLESS STEEL EXTERNAL HARDWARE. VALVES SHALL BE RESILIENT-SEATED GATE VALVES PER AWWA C509. D. PROVIDE HEAVY-DUTY VALVE BOXES ON ALL HOT-TAPS AND AT VALVES LOCATED UNDER GRAVEL OR PAVEMENT SURFACES.
 - E. TOP OF VALVE BOX SHALL BE FLUSH WITH FINISHED GRADE IN PAVED AREAS, AND 4 INCHES ABOVE FINISHED GRADE IN NON-PAVED AREAS.
 - F. MAINTAIN A MINIMUM 10-FOOT HORIZONTAL AND 1.5-FOOT VERTICAL SEPARATION BETWEEN WATER LINES AND SANITARY AND STORM SEWERS.
 - G. ALL OTHER BURIED UTILITIES SHALL MAINTAIN A MINIMUM 5-FOOT HORIZONTAL SEPARATION, AND 2-FOOT VERTICAL SEPARATION FROM THE CENTERLINE OF WATER LINES AS FINALLY LAID AND CONSTRUCTED.
 - H. PROVIDE CONCRETE THRUST BLOCKING FOR ALL FITTINGS, VALVES, ACHOR TEES, AND HYDRANTS.
 - I. BURY WATER LINES A MINIMUM DEPTH OF 48-INCHES TO THE TOP OF PIPE.
 - J. PLACE A 5-FOOT STEEL FENCED POST OR 4"x4" WOOD POST AT THE VALVES AND THE ENDS OF LINES. PAINT BLUE.
 - K. TRACER WIRE:
 - INSTALL COPPERHEAD 12-GAUGE HIGH STRENGTH 452LB BREAK STRENGTH 30 MIL HDPE JACKET, COPPER-CLAD, STEEL REINFORCED TRACER WIRE ON ALL WATER MAIN AND SERVICE LINES INSTALLED BY TRENCHING METHODS.
 - INSTALL COPPERHEAD 12-GAUGE EXTRA HIGH STRENGTH 1150LB BREAK STRENGTH 45 MIL HDPE JACKET, COPPER-CLAD, STEEL REINFORCED TRACER WIRE ON ALL WATER MAIN AND SERVICE LINES INSTALLED BY DIRECTIONAL BORE.
 - FASTEN WIRE TO PIPE IN ALL PLACES PER PIPE SECTION. EXTEND TRACER WIRE TO GROUND SURFACE AT ALL VALVES AND HYDRANTS AS SHOWN IN THE DEL-CO STANDARD DETAIL. SPLICE WIRES USING BURNDY COPPER SPLIT BOLT KS-15. THOROUGHLY WRAP THE CONNECTOR AND BARE WIRES WITH 3M TEMPLEX 2155 RUBBER SPLICING TAPE, COVER ENTIRE CONNECTION WITH SCOTCH SUPER 88 HEAVY DUTY GRADE ELECTRICAL TAPE.
 - CONNECT ALL SERVICE LINE WIRES TO MAIN LINE WIRES USING BURNDY COPPER SPLIT BOLT KS-15. THOROUGHLY WRAP THE CONNECTOR AND BARE WIRES WITH 3M TEMPLEX 2155 RUBBER SPLICING TAPE. COVER ENTIRE CONNECTION WITH SCOTCH SUPER 88 HEAVY DUTY GRADE ELECTRICAL TAPE.
 - CONTRACTOR SHALL TEST THE CONTINUITY OF ALL WIRE USING A THIRD-PARTY TESTER.
 - CONTRACTOR SHALL CONTACT DEL-CO'S INSPECTION DEPARTMENT A MINIMUM OF 24 HOURS PRIOR TO A TEST.
 - TESTER SHALL SEND A SIGNED REPORT TO DEL-CO WATER INSPECTION DEPARTMENT AFFIRMING ALL WIRE HAS CONTINUITY.
 - CONTRACTOR SHALL REPAIR ALL DEFICIENCIES.
- WATER SERVICE CONSTRUCTION (BETWEEN MAIN LINE AND METER PIT):
 - ALL WATER SERVICES SHALL BE CONSTRUCTED AND INSTALLED PER AWWA C900.
 - FOR METERS 1-INCH AND SMALLER, USE 1-INCH CLASS 200 SDR 7 IRON PIPE SIZE (IPS) POLYETHYLENE PIPE.
 - CONNECTIONS TO PVC PIPE SHALL BE MADE WITH APPROVED TAPPING SADDLE AND CORPORATION STOP PER DEL-CO SUBDIVISION CONSTRUCTION STANDARDS MANUAL.
 - PROVIDE A CURB STOP WITH 1-INCH FEMALE IRON PIPE THREADS ON THE CUSTOMER SIDE AT THE END OF SERVICE LINES. LOCATE AT ROW, BUT A MINIMUM OF FIVE FEET FROM EDGE OF SIDEWALK.
 - ALL SERVICE LINE VALVES 1.5-INCH AND LARGER SHALL BE MECHANICAL JOINT GATE VALVES, RESTRAINED WITH DUCT-LUGS AND GALVANIZED ALL THREAD ROD, OR ANCHOR TEES WHERE APPLICABLE.
 - MINIMUM DEPTH OF COVER SHALL BE 48 INCHES.
 - PLACE A 5-FOOT STEEL FENCE POST OR 4"x4" WOOD POST AT THE ENDS OF ALL SERVICE LINES, AND PAINT BLUE.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SPECIAL BACKFILL MATERIAL FOR ALL LINES, INCLUDING THOSE INSTALLED BY DEL-CO WATER CO., INC., WHERE REQUIRED BY THE COUNTY OR CITY ENGINEER.
 - DISINFECT ALL WATER LINES IN ACCORDANCE WITH AWWA C651 AND DEL-CO SPECIFICATIONS.
 - ALL PIPE INSTALLATION AND PRESSURE TESTING SHALL BE IN ACCORDANCE WITH AWWA C600 FOR DUCTILE IRON PIPE AND C605 FOR PLASTIC PIPE, AND DEL-CO SPECIFICATIONS.
 - CONTRACTOR SHALL PROVIDE ALL EQUIPMENT NECESSARY TO PERFORM PRESSURE TEST.
 - SCHEDULE TEST BETWEEN 8:00 AM AND 2:00 PM WEEKDAYS. NOTIFY DEL-CO 24 HOURS PRIOR TO TEST.
 - OBTAIN WRITTEN APPROVAL OF MATERIAL AND MANUFACTURERS LIST FROM DEL-CO WATER PRIOR TO BEGINNING CONSTRUCTION.
 - PROVIDE CASTING PIPE FOR ALL ROAD CROSSINGS UNLESS OTHERWISE APPROVED BY DEL-CO. CASING PIPE SHALL BE STEEL PIPE WITH 0.375-INCH WALL THICKNESS, OR C900 PVC.
 - EASEMENTS SHALL BE PROVIDED TO DEL-CO WATER BEFORE PERMISSION WILL BE GIVEN TO MAKE NEW SERVICE LINE CONNECTIONS.
 - CONNECTIONS TO EXISTING WATER LINES WILL BE MADE BY DEL-CO WATER AT THE CONTRACTOR'S EXPENSE OR PERFORMED BY CONTRACTORS WHO ARE APPROVED FOR MAKING CONNECTIONS. NOTIFY ALL PROPERTY OWNERS, AND DEL-CO WATER, IN WRITING 48 HOURS BEFORE STARTING CONSTRUCTION.
 - CONTRACTOR SHALL EXCAVATE TO DETERMINE THE LOCATION AND DEPTH OF EXISTING WATER LINES WHEREVER COVER OVER THE WATER LINES IS BEING REDUCED. IF THE FINAL DEPTH OF THE WATER LINE APPROVAL BY DEL-CO WATER, AND RELOCATE THE WATER LINE AT THEIR EXPENSE.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PROTECTING THE WATER LINE PRIOR TO FINAL ACCEPTANCE BY DEL-CO WATER, AND REPAIRING ALL DAMAGES FROM CONSTRUCTION ACTIVITY.
 - DO NOT FILL NEW WATER LINES UNTIL APPROVED BY DEL-CO WATER CO.
 - BOOSTER PUMPS ARE NOT ALLOWED ON INDIVIDUAL SERVICES.
 - ALL WATER MAINS, INCLUDING THOSE NOT DESIGNED TO PROVIDE FIRE PROTECTION, SHALL BE SIZED FOLLOWING AN ANALYSIS BASED ON FLOW DEMANDS, AND PRESSURE REQUIREMENTS. THE SYSTEM SHALL BE DESIGNED TO MAINTAIN A MINIMUM PRESSURE OF 20 PSI AT GROUND LEVEL AT ALL POINTS IN THE DISTRIBUTION SYSTEM UNDER ALL DESIGNED FLOW CONDITIONS. NORMAL WORKING PRESSURE IN THE DISTRIBUTION SYSTEM SHALL NOT BE LESS THAN 35 PSI.

SIZE	2"	4"	6"	8"	12"	16"
BLOCKING AREA	6"x6"	9"x9"	13"x13"	17"x17"	24"x24"	33"x33"

R U N	BRANCH					
	4"	6"	8"	12"	16"	
4"	11	8	0.8			
6"	11	8	0.8	18	12	1.9
8"	10	9	0.7	18	12	1.9
12"	8	12	0.8	18	12	1.9
16"	6	16	0.8	14	16	2.0

PIPE SIZE	SIZE OF BLOCK	VOLUME Cu. Yd.
4"	1.5'x1.5'x1.5	0.13
6"	2.5'x2.5'x2.5	0.5
8"	3'x3'x3	1
12"	3.5'x3.5'x3.5	1.5
16"	4.5'x4.5'x4.5	3.5

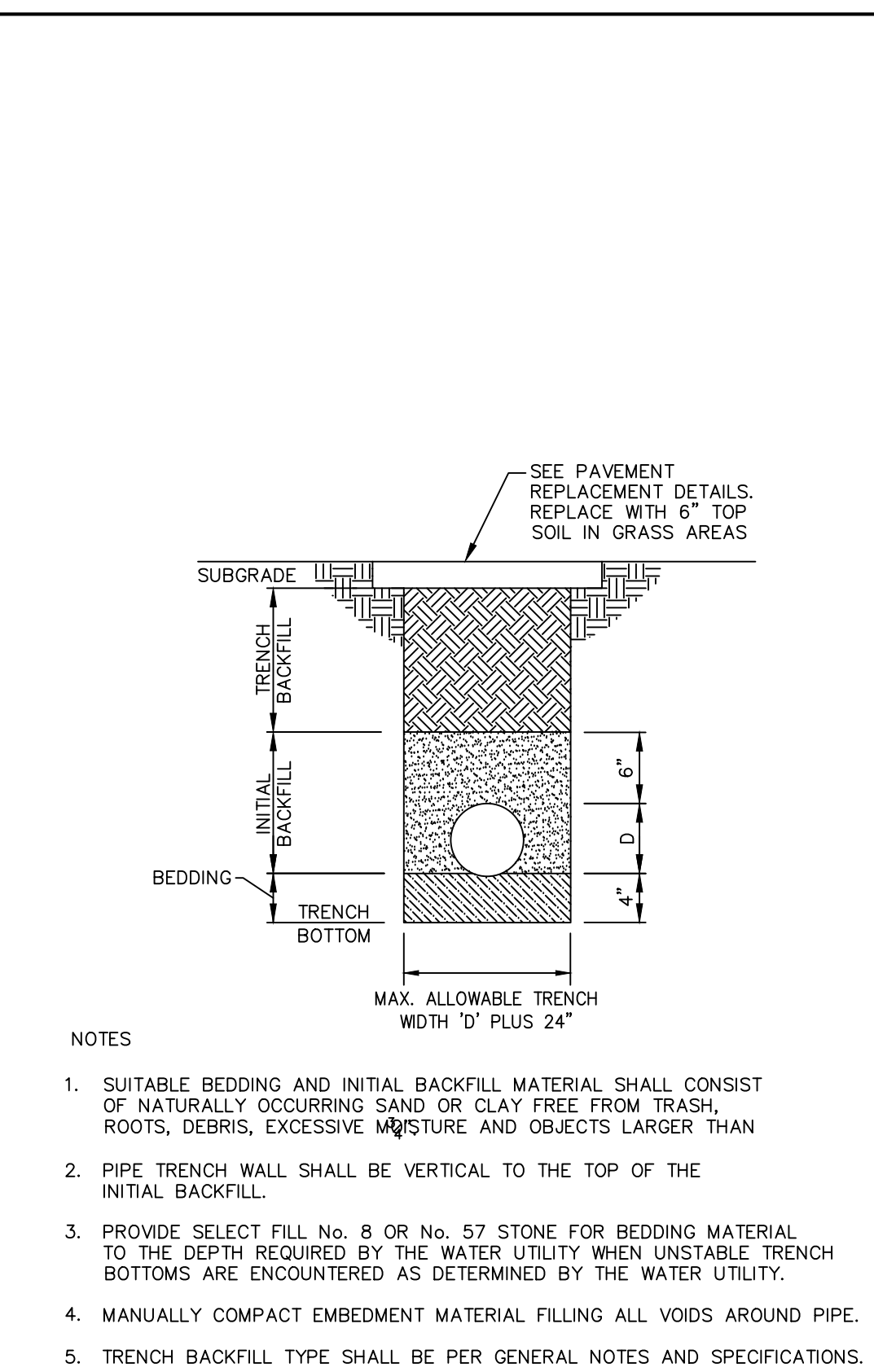
PIPE SIZE	DEGREE OF BEND					
	4"	6"	8"	12"	16"	
4"	2	12	6	12	12	
6"	2	12	6	12	12	
8"	2	12	6	12	12	
12"	2	12	6	12	12	
16"	2	12	6	12	12	

PIPE SIZE	DEGREE OF BEND			
	11.25°	22.5°	45°	90°
4"	5	4	0.2	9
6"	8	6	0.5	12
8"	9	8	0.7	16
12"	14	12	1.8	24
16"	18	16	3.4	32

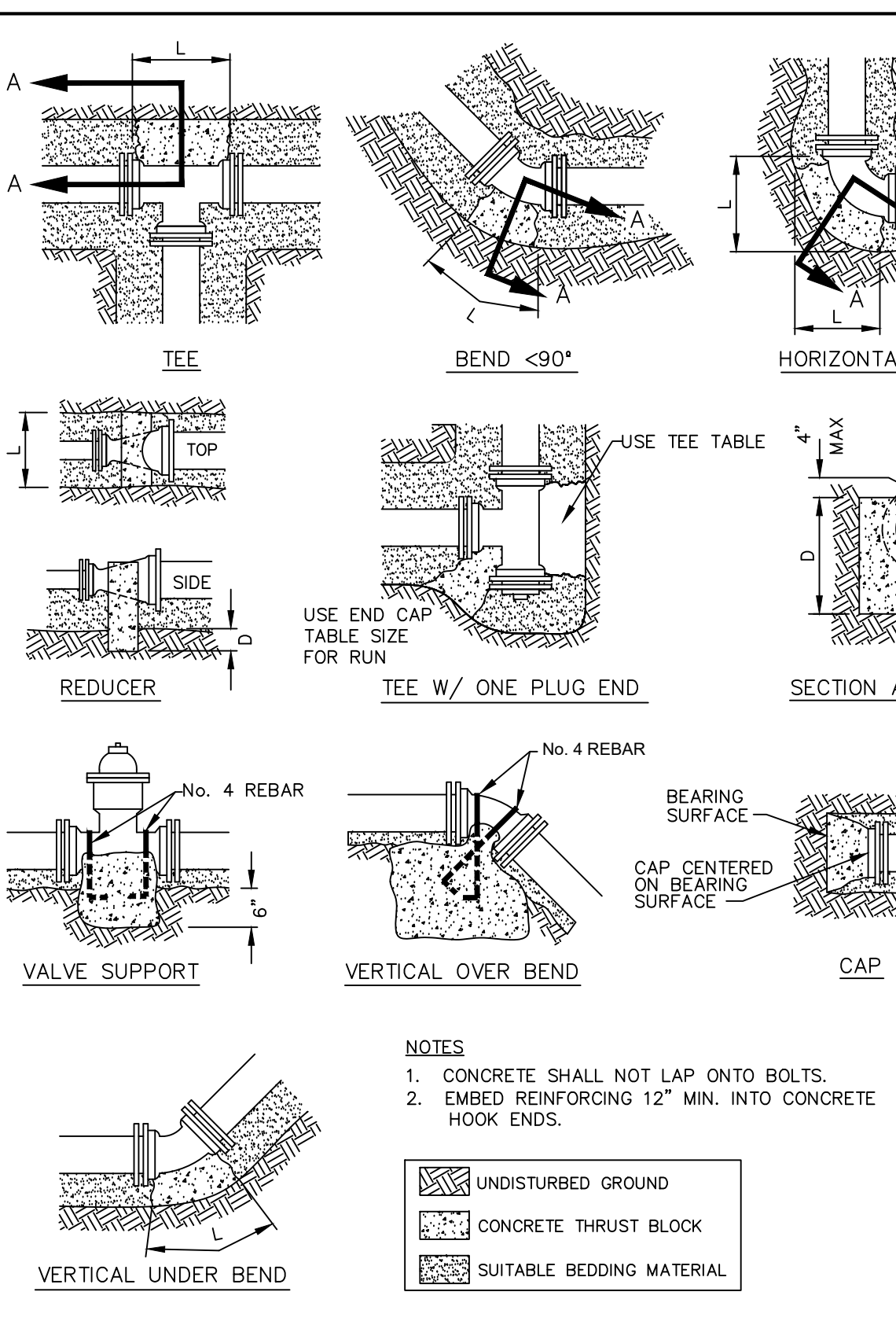
VALVE SIZE	WIDTH	Vc. f.
4"	16"	0.3
6"	17"	0.4
8"	20"	0.4
12"	24"	0.5
16"	30"	0.5

- NOTES**
- SUITABLE BEDDING AND INITIAL BACKFILL MATERIAL SHALL CONSIST OF NATURALLY OCCURRING SAND OR CLAY FREE FROM TRASH, ROOTS, DEBRIS, EXCESSIVE MOISTURE AND OBJECTS LARGER THAN 2 INCHES.
 - PIPE TRENCH WALL SHALL BE VERTICAL TO THE TOP OF THE INITIAL BACKFILL.
 - PROVIDE SELECT FILL No. 8 or No. 57 STONE FOR BEDDING MATERIAL TO THE DEPTH REQUIRED BY THE WATER UTILITY WHEN UNSTABLE TRENCH BOTTOMS ARE ENCOUNTERED AS DETERMINED BY THE WATER UTILITY.
 - MANUALLY COMPACT EMBEDMENT MATERIAL FILLING ALL VOIDS AROUND PIPE.
 - TRENCH BACKFILL TYPE SHALL BE PER GENERAL NOTES AND SPECIFICATIONS.

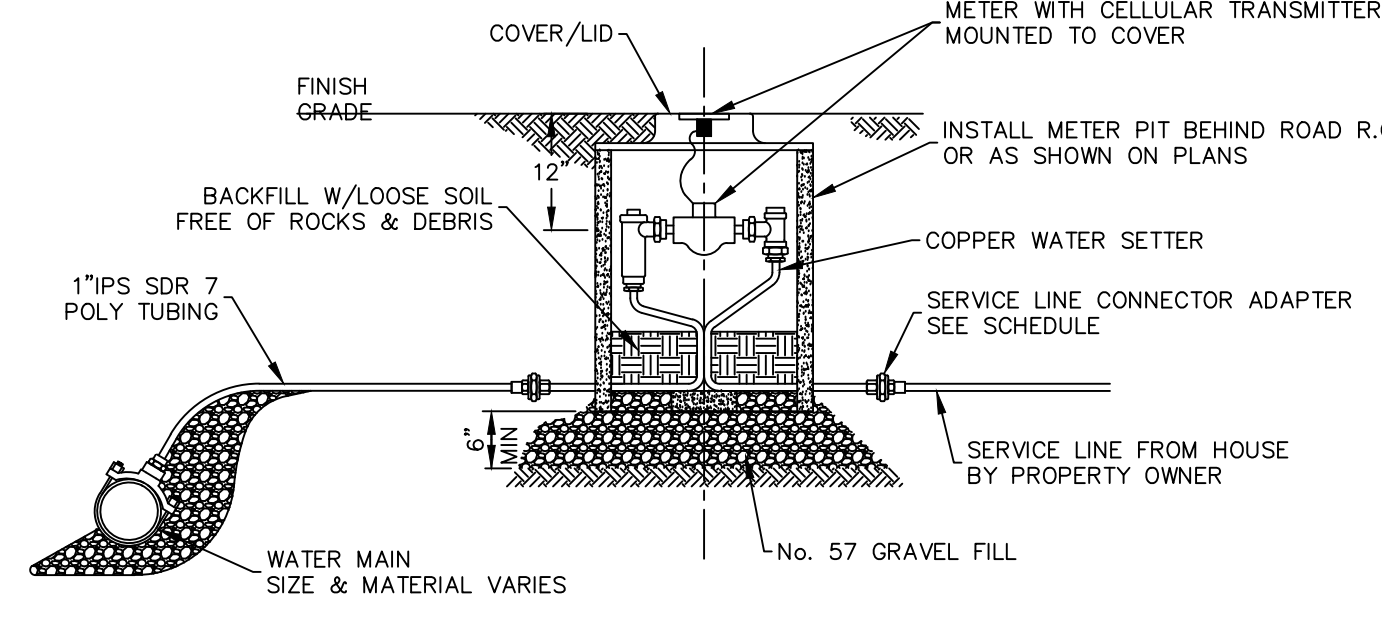
A DETAIL WATER LINE EMBEDMENT 09 OCT 18 D-1 N.T.S.



B DETAIL CONCRETE THRUST BLOCKING 01 DEC 04 D-4 N.T.S.

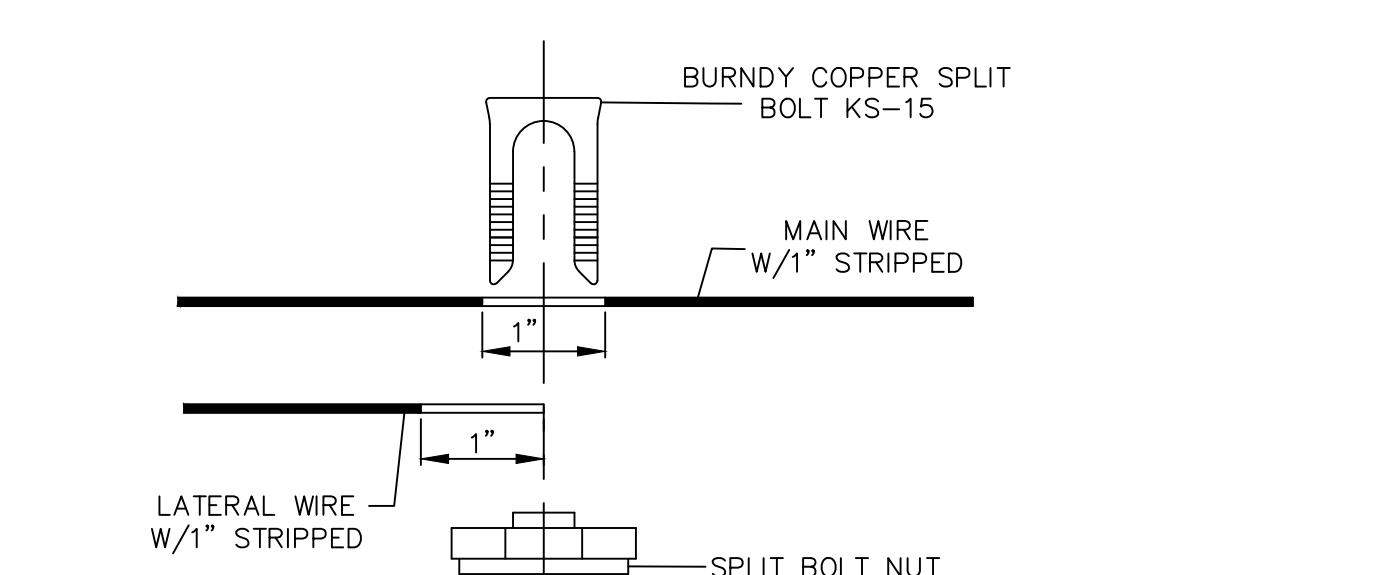


SERVICE LINE TYPE	CONNECTOR ADAPTER
COPPER TUBING (3/4" OR 1" K COPPER)	BRASS COMPRESSION
COPPER TUBING SIZE PE (3/4", 1", 1.5" OR 2" SDR 9)	BRASS COMPRESSION W/ STAINLESS STEEL INSERT
IRON PIPE SIZE TUBING PE (1" SDR 7)	MUELLER INSTA-TITE

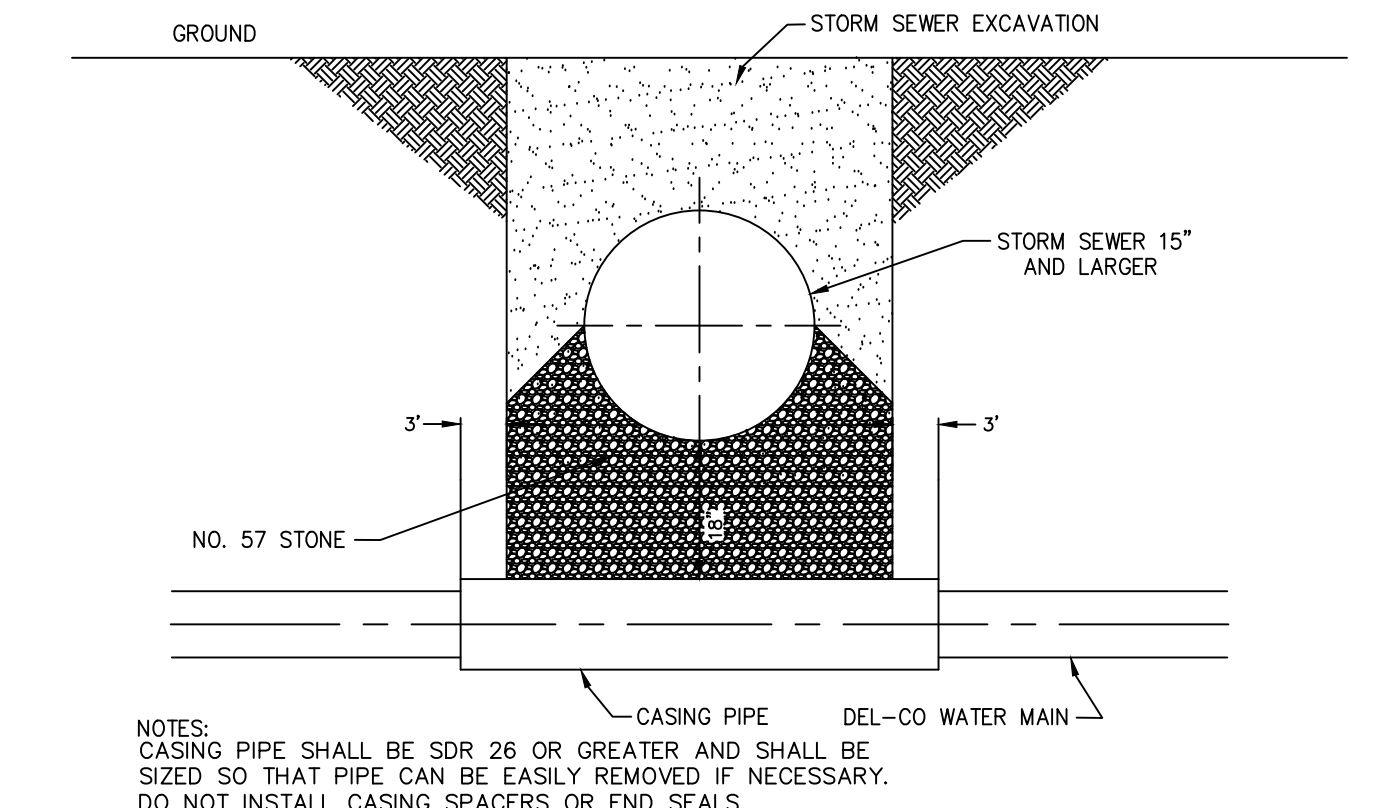


- GENERAL NOTES**
- ALL METER INSTALLATIONS ($\leq 2''$) ARE PERFORMED BY DEL-CO WATER AS PART OF THE TAP PURCHASE.
 - METER INSTALLATIONS TYPICALLY SHALL BE EITHER FIVE (5) FEET OUTSIDE PUBLIC RIGHT-OF-WAY OR FIVE (5) FEET BEHIND EXISTING WATER MAIN.
- INSTALLATION NOTES**
- COMPACT SOIL AROUND METER PIT. FINE GRADE AND REMOVE ALL ROCKS AND DEBRIS.
 - CENTERLINE OF THE METER SHALL BE INSTALLED BETWEEN 12 & 18 INCHES BELOW FINISHED GRADE.
 - SEED AND MULCH ALL GRASS AREAS DISTURBED BY CONSTRUCTION.
 - RESTORE GRAVEL/PAVEMENT AREAS TO ORIGINAL CONDITION.
 - REMOVE EXCESS FILL OFFSITE OR ADD SUITABLE FILL AS REQUIRED.
 - COMPLETE AS-BUILT RECORD FOR EACH PROPERTY WHEN METER PIT IS INSTALLED.

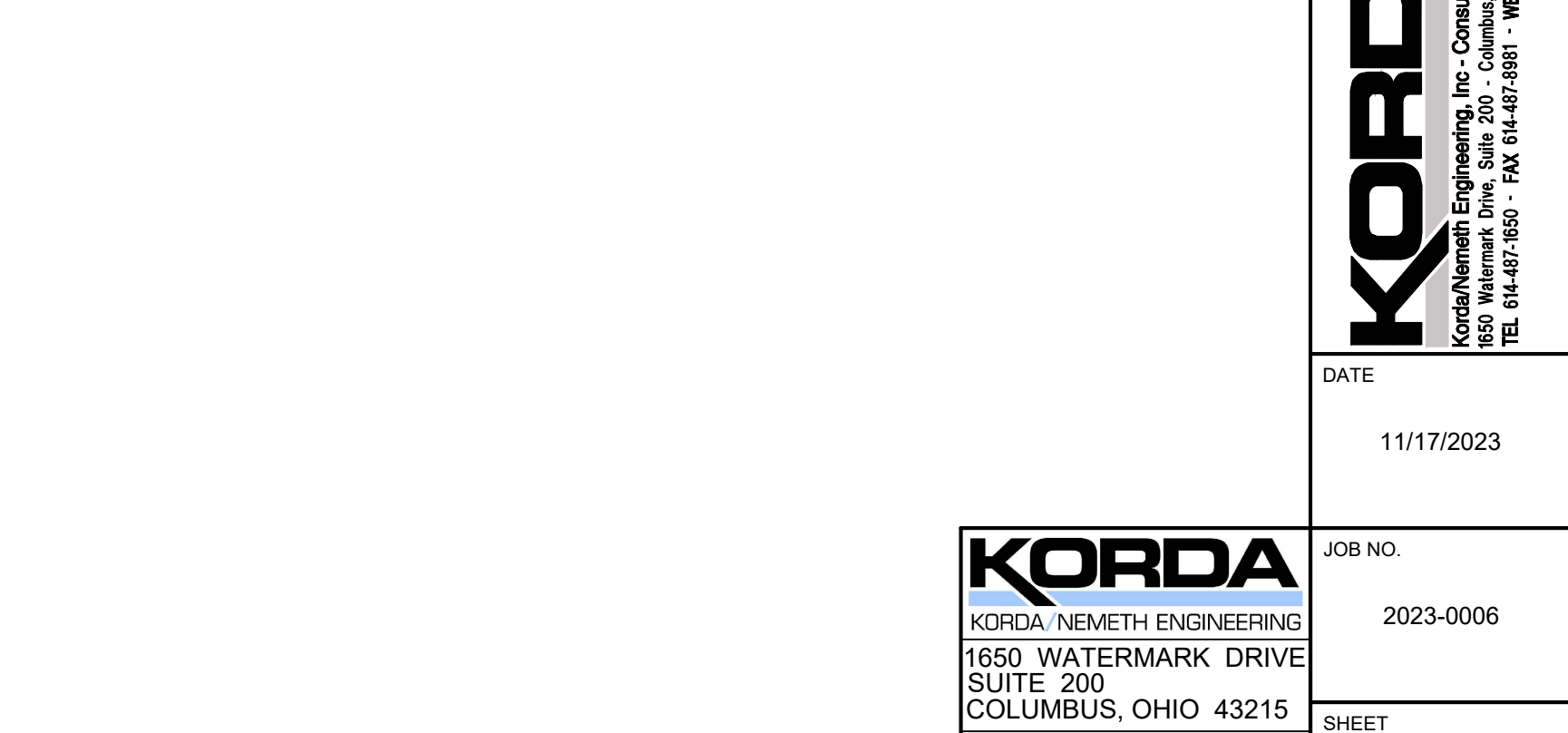
D DETAIL RESIDENTIAL METER INSTALLATION 06 JUN 23 D-12 N.T.S.



C DETAIL CASING DETAIL - ROAD CROSSING 02 MAY 17 D-8 N.T.S.



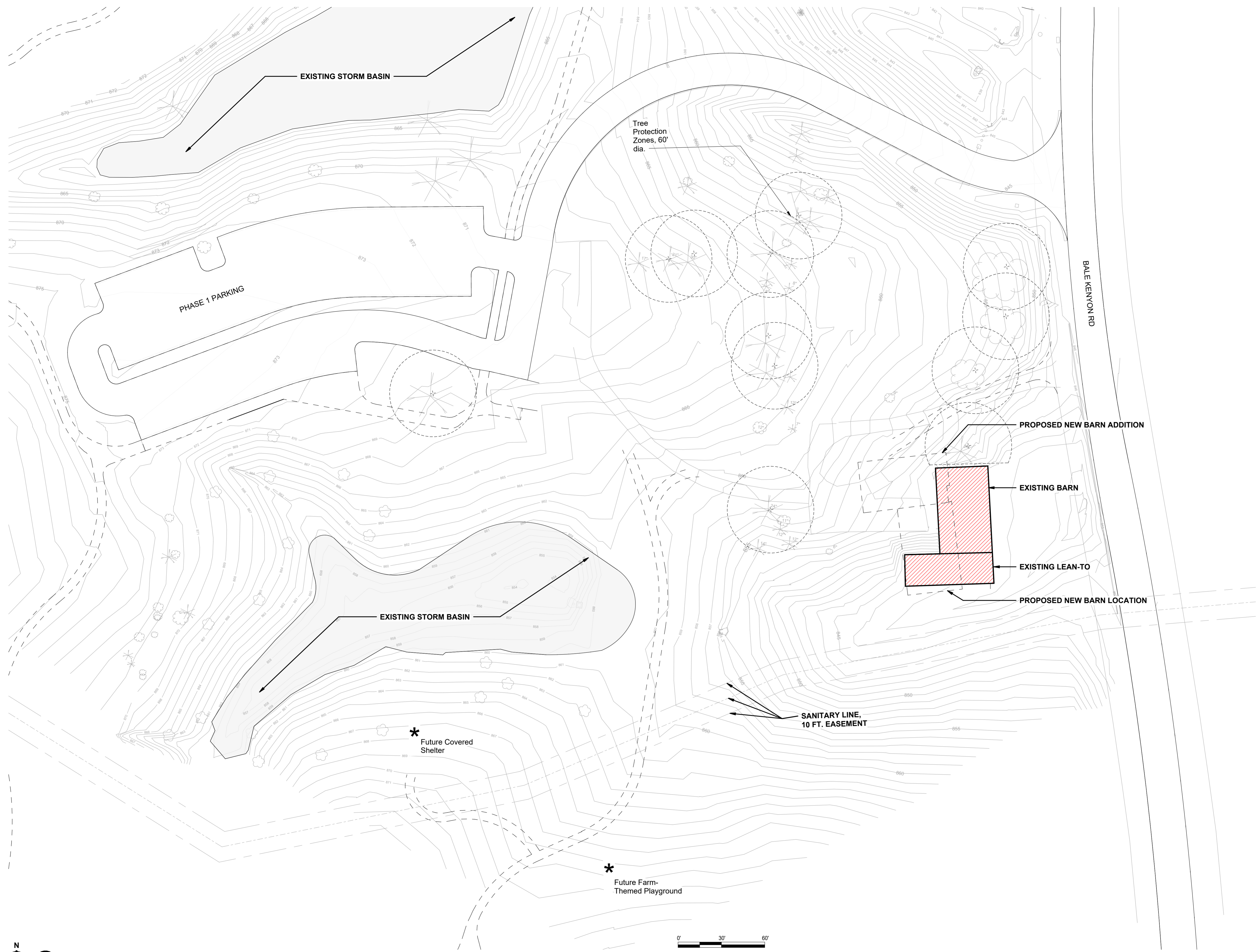
E DETAIL TRACER WIRE 26 APR 16 D-24 N.T.S.



F DETAIL STORM CROSSING CASING PIPE 09 OCT 18 D-30 N.T.S.

KORDA
 KORDA NEMETH ENGINEERING
 1650 WATERMARK DRIVE
 SUITE 200
 COLUMBUS, OHIO 43215
 DRAWN BY: EAM
 DESIGNED BY: EAM
 CHECKED BY: GJW
 PROJECT NUMBER: 2023-0006

Revision Schedule		
#	Description	Date



BALE KENYON RD

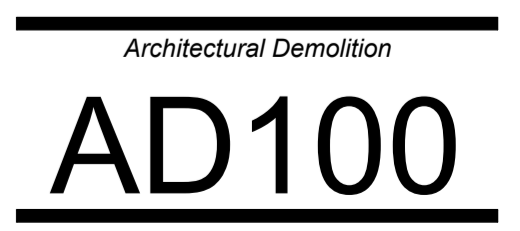
**Bicentennial Barn -
McCammon Creek
Park**

6844 Bale Kenyon Rd
Lewis Center, OH 43035

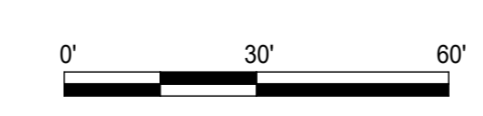


Kalpa Baghasingh, License #1516341
Expiration Date 12/31/2025

**Site Demolition
Plan**



02/14/2025
23070



DEMOLITION - CODED NOTES

- D1 Lean-to portion of existing building to be fully demolished, preserve historic wood members for supplemental reuse elsewhere in the project
- D2 Salvage existing siding, perlin, girts, and other support structure for reuse in same place
- D3 Demolish existing masonry foundation entirely, prep for new foundation work. Refer to Civil and Structural.
- D4 Demolish existing stair.
- D5 Salvage existing 8x8 posts for reuse elsewhere in the project, refer to New Work.
- D6 Salvage existing underfloor framing including all beams, joists, and braces for reuse elsewhere in the project, refer to New Work.
- D7 Demolish existing 6x6 posts.
- D8 Salvage existing door support structure for reinstallation at new location - see New Work.
- D9 Salvage existing door for reinstallation at new location - see New Work.
- D10 Salvage existing door for reinstallation at same relative location - see New Work.
- D11 Salvage existing 8x8 wood posts for reuse in same location, typical for the Main Floor.
- D12 Salvage Main Floor barn structure for reinstallation at same relative location.
- D13 Demolish floor boards entirely, preserve boards for supplemental reuse.
- D14 Salvage existing window
- D15 Salvage existing windmill blades for reinstallation.
- D16 Salvage entire cupola for reinstallation.
- D17 Salvage and store slate shingles for reuse.
- D18 Window to be replaced with salvaged window from north facade to match other windows. See New Work Plans.
- D19 Remove bat boxes and coordinate storage with owner
- D20 Remove and salvage existing lightning protection system including metal rods, glass balls, weathervane, and anchors.

DEMOLITION - GENERAL NOTES

- A. Refer to G001 for all general notes.
- B. The purpose of the Demolition Work is to selectively demolish and/or remove existing building assemblies to accommodate the new work.
- C. The demolition plans represent general sizes, locations, and configurations of building elements. The drawing scale indicated is approximate and must be field verified.
- D. This project includes the disassembly of the existing historic Bicentennial Barn, to be reassembled in new location on a new foundation. Refer to New Work plans. Inventory and organize salvaged materials to facilitate the reassembly of the barn. Protect the materials throughout the disassembly and demolition phase to maximize their reuse in the completed structure.
- E. Existing foundation to be demolished and disposed of per Construction Waste Management Plan, UNO.
- F. Tag, inventory, photograph, and diagram all pieces and assemblies as needed to aid in reassembly. Inventory shall include recording the position of salvaged material in the original construction to aid in the planning and reassembly of the barn.
- G. Tagging shall include marking all pieces for tracking and reconciliation in the reconstruction. Tags shall be on surfaces which will be concealed in the finished work and shall be capable of remaining legible following cleaning or preparation of material for reuse.
- H. All salvaged material shall be thoroughly cleaned with non-marring bronze brushes on all sides and surfaces following disassembly. All parts shall be inspected to ensure their fitness for reassembly and reuse in the project. Replace any damaged or deteriorated pieces using salvaged material of appropriate species.
- I. Coordinate reassembly with structural drawings and modify historic frame per details for proper anchorage and to ensure the restored and rebuilt frame meets the required structural requirements.
- J. Salvage all barn siding for reuse. Mark pieces on surfaces which will be concealed in the finished work. Inventory pieces and key the inventory to record the position on the wall panel to aid in reconstruction.
- K. Salvage complete barn frame including posts, braces, tie beams, rafters, purlins, girts, struts, plates and all associated pieces. Inventory pieces and record to aid in reassembly.
- L. Salvage all roof sheathing for reuse. Mark pieces on surfaces which will be concealed in the finished work. Inventory pieces and key the inventory to record the position on the wall panel to aid in reconstruction.
- M. Salvage all existing roofing slates, remove with care for reuse. Stack and secure on pallets for storage and reuse.
- N. Remove all ties, connections, or supports of systems to be removed or that have already been removed, unless noted otherwise.
- O. Objects shown as dashed lines on this sheet are to be removed and disposed of per Construction Waste Management Plan, UNO.
- P. Consult Owner before discarding removed doors and hardware. Store or discard as directed by Owner.
- Q. All interior wood trim to remain unless noted otherwise.
- R. All doors shown as dashed are to be removed.
- S. Contractor to perform a walk-thru of the building prior to work commencing to determine extent of building clean-out required.
- T. In reassembly, secure refurbished barn siding and sheathing to frame, girts or rafters, remove any fastener which misses component. No fasteners shall protrude to interior.
- U. Primary framing and joists under main floor deck to be salvaged for reuse as reclaimed structural timber.

DEMOLITION LEGEND

- Item to be Demolished
- Item to be Salvaged for Reinstallation



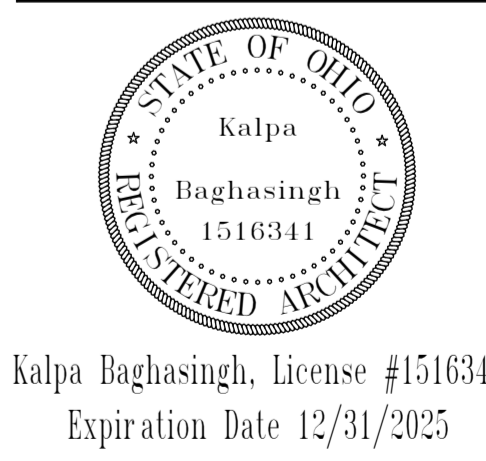
ARCHITECTURE. INSPIRED.
 300 Marconi Boulevard Columbus OH 43215
 T 614-628-0300 F 614-628-0311
 schooleycaldwell.com

Consultants:
 Civil, Structural & MEPT
 Korda/Nemeth Engineering
 1600 Watermark Drive, Columbus, OH 43215
 614-487-1650
 Barn Consultant
 Mt. Vernon Barn Co.
 7676 Co Rd 19, Fredericktown, OH 43019
 614-634-2049

Drawing Issue Dates:
 Design Development Submittal
 11/17/2023
 50% Construction Documents
 07/19/2024
 90% Construction Documents
 01/15/2025
 Bid Set / Permit Set
 02/14/2025

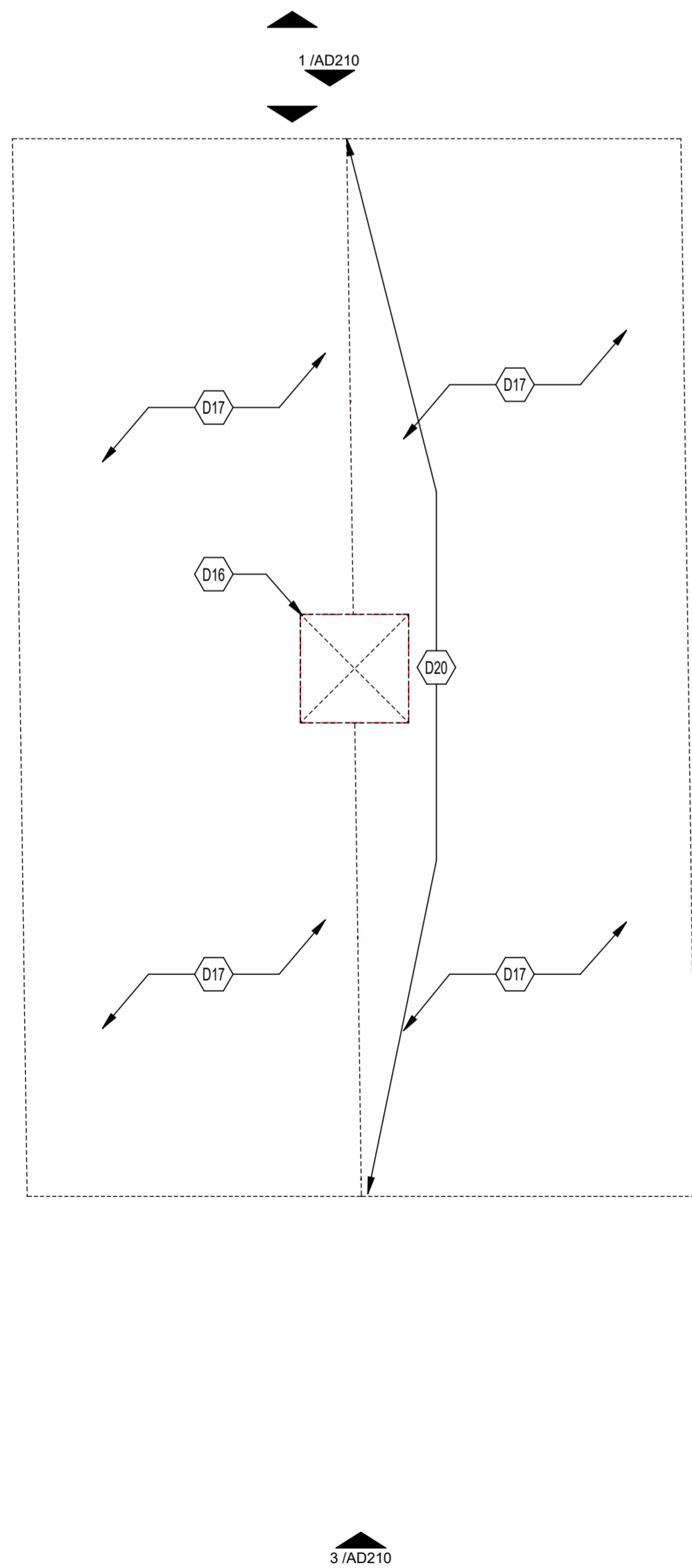
Revision Schedule		
#	Description	Date

Bicentennial Barn -
 McCammon Creek
 Park
 6844 Bale Kenyon Rd
 Lewis Center, OH 43035

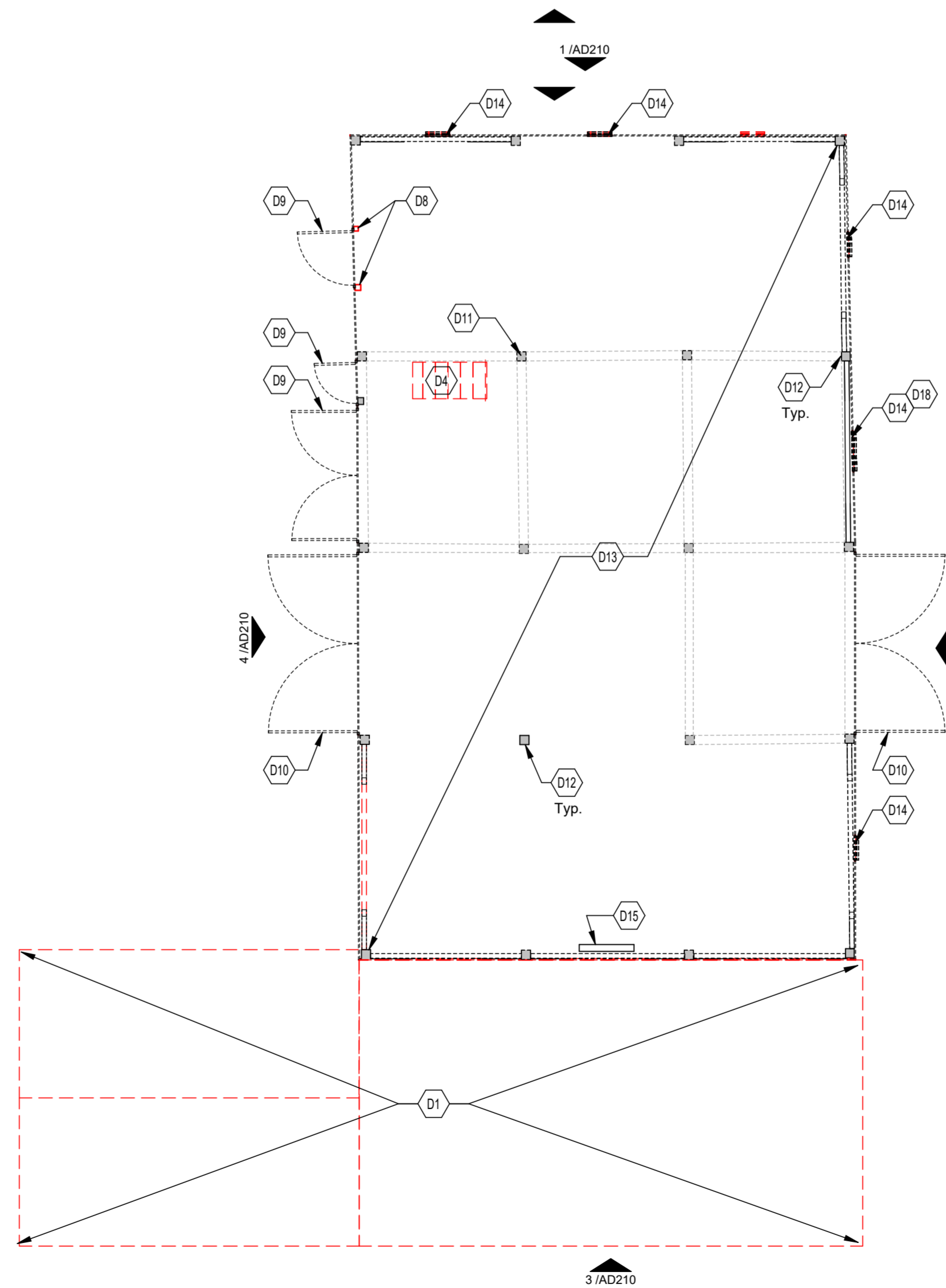


Kalpa Baghasingh, License #1516341
 Expiration Date 12/31/2025

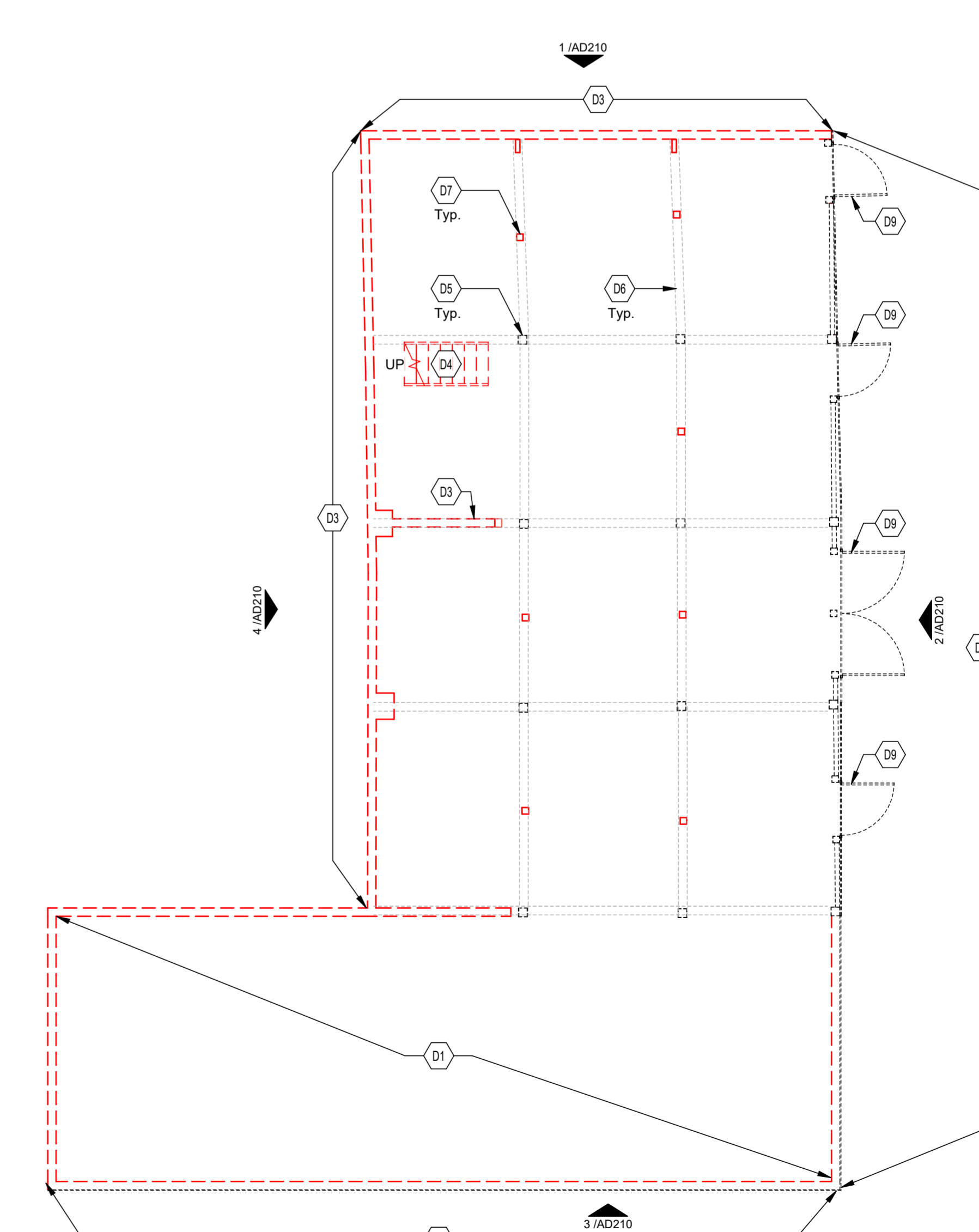
Demolition Plans
 Architectural Demolition
AD101
 02/14/2025
 23070



3 ROOF DEMOLITION PLAN
 1/8" = 1'-0"



2 MAIN FLOOR DEMOLITION PLAN
 1/8" = 1'-0"



1 GROUND FLOOR DEMO PLAN
 1/8" = 1'-0"

Autodesk Docs://23070 - Bicentennial Barn/23070_Bicentennial Barn_New_v22.rvt
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Revision Schedule		
#	Description	Date

DEMOLITION - GENERAL NOTES

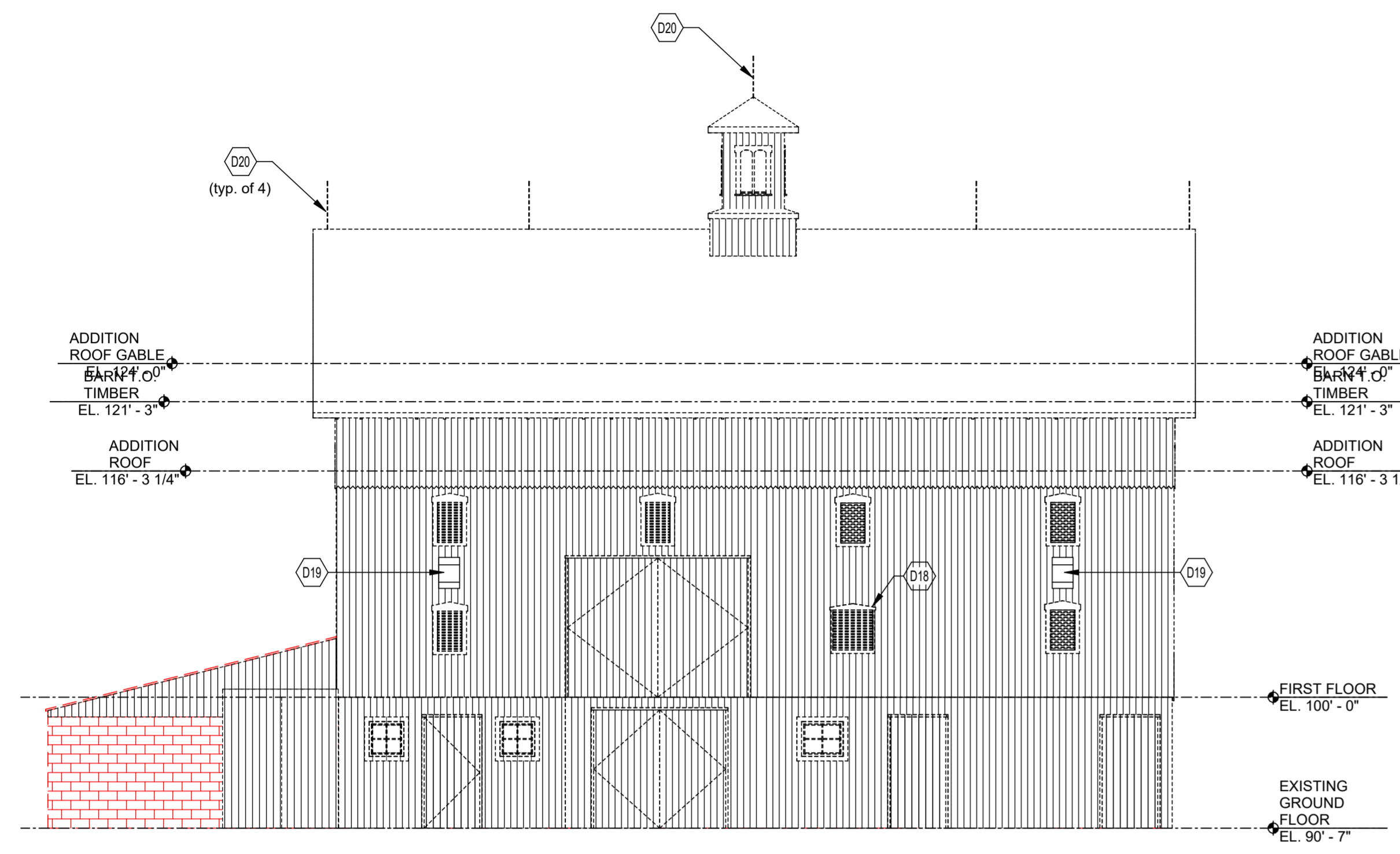
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- E. Existing foundation to be demolished and disposed of per Construction Waste Management Plan, UNO.
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- H. All salvaged material shall be thoroughly cleaned with non-marring bronze brushes on all sides and surfaces following disassembly. All parts shall be inspected to ensure their fitness for reassembly and reuse in the project. Replace any damaged or deteriorated pieces using salvaged material of appropriate species.
- I. Coordinate reassembly with structural drawings and modify historic frame per details for the reconstruction.
- J. Salvage all barn siding for reuse. Mark pieces on surfaces which will be concealed in the finished work. Inventory pieces and key the inventory to record the position on the wall panel to aid in reconstruction.
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- L. Salvage all roof sheathing for reuse. Mark pieces on surfaces which will be concealed in the finished work. Inventory pieces and key the inventory to record the position on the wall panel to aid in reconstruction.
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- Q. All interior wood trim to remain unless noted otherwise.
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DEMOLITION - CODED NOTES

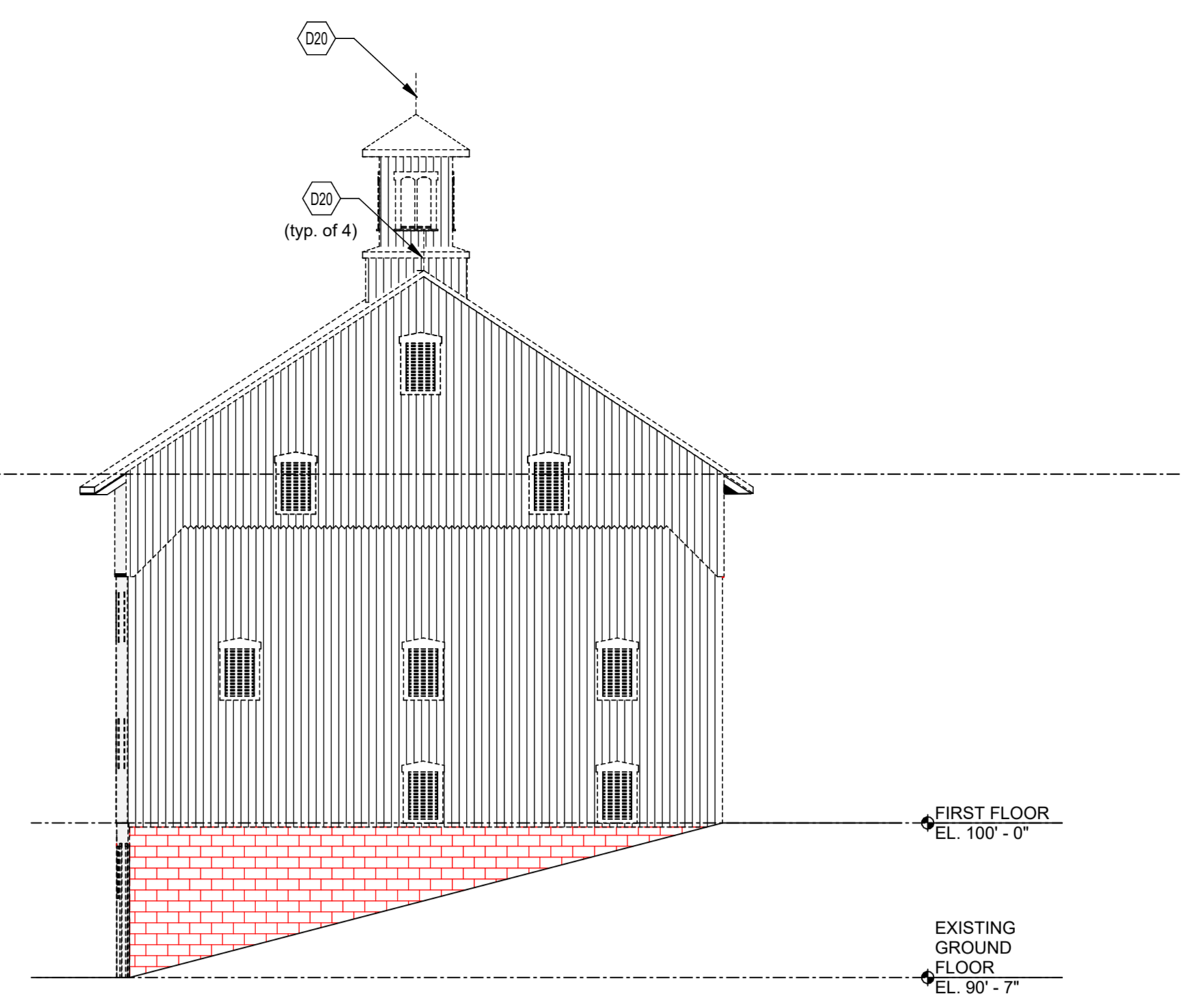
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DEMOLITION LEGEND

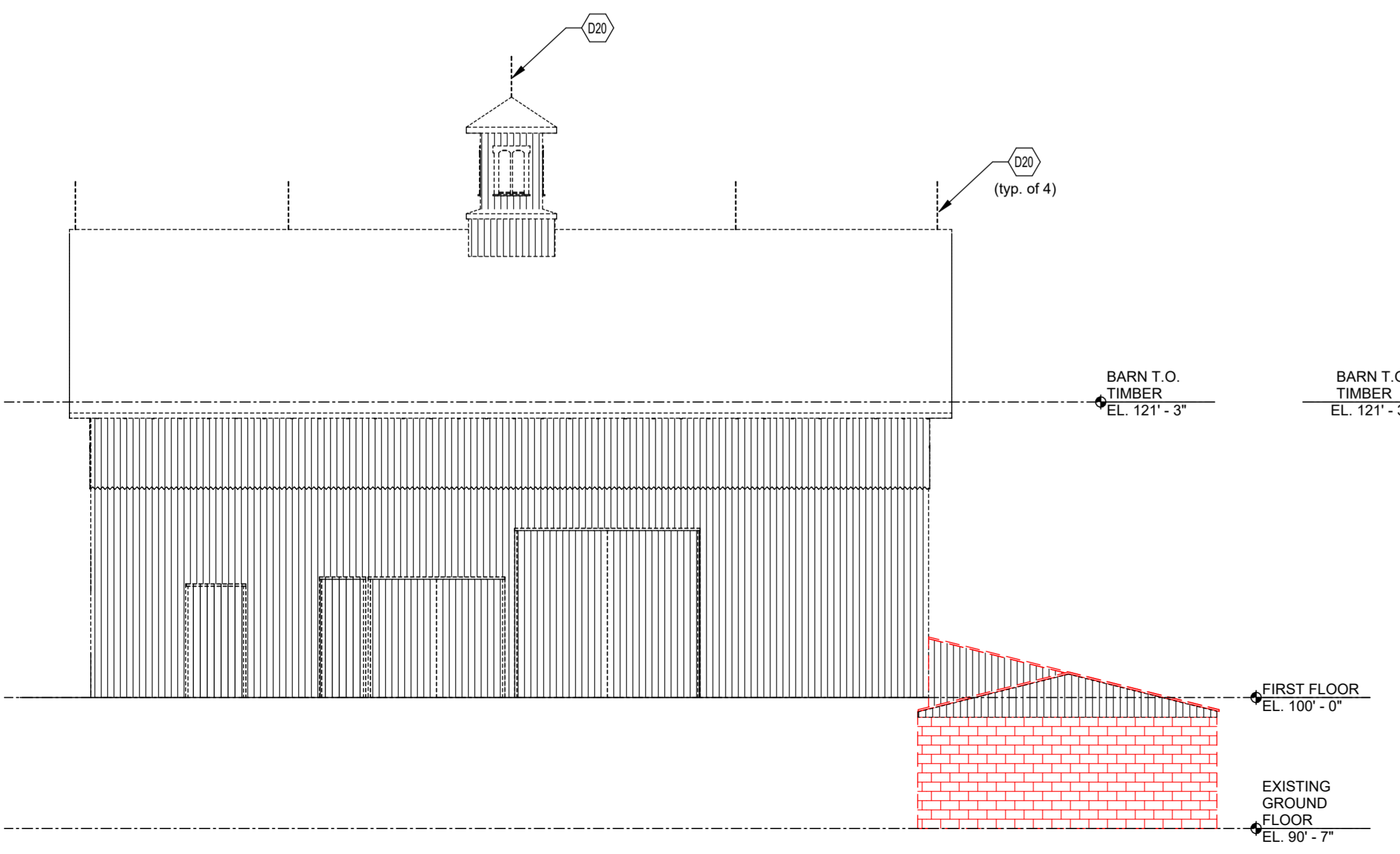
- - - - - Item to be Demolished
- Item to be Salvaged for Reinstallation



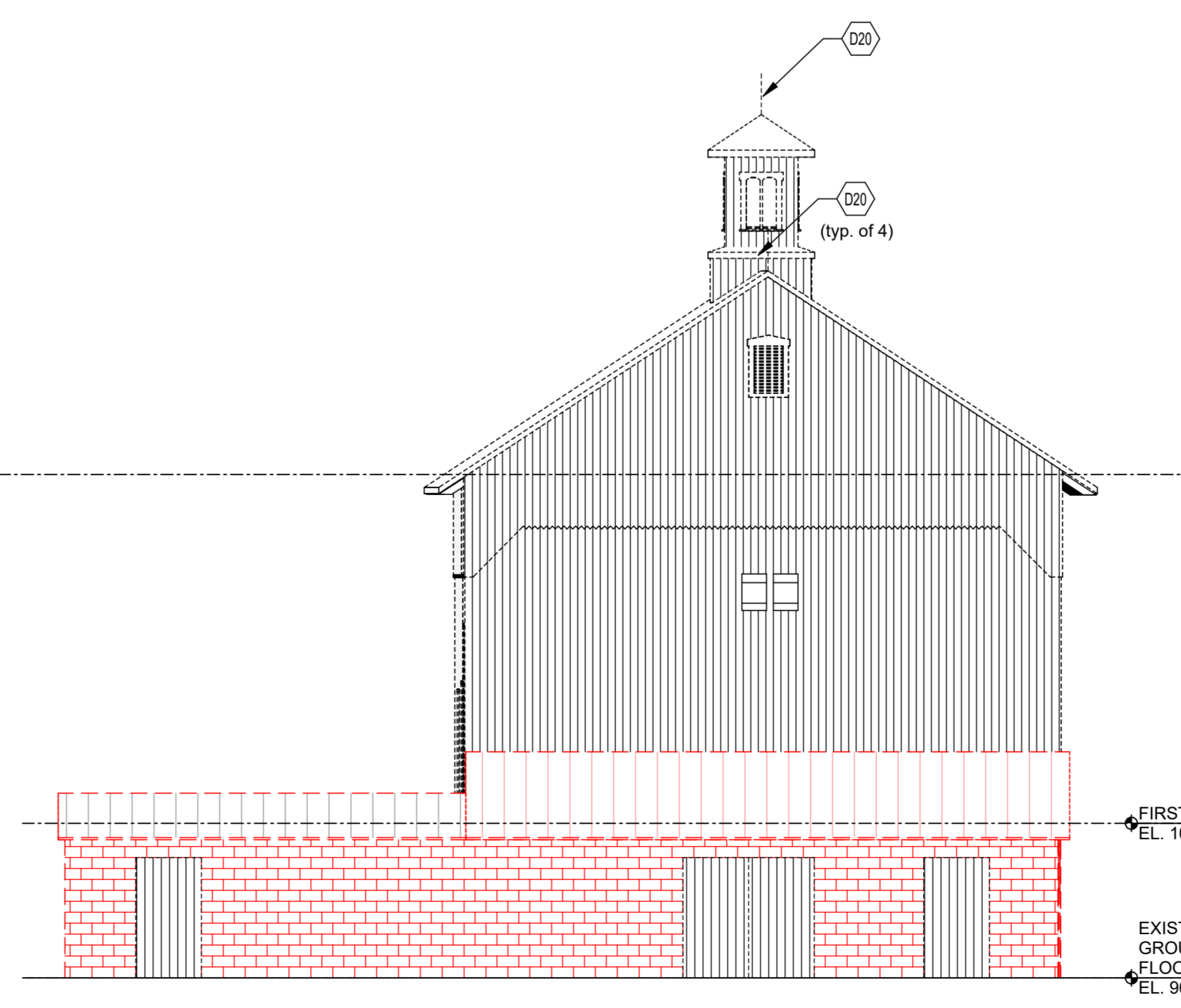
2 East Demolition Elevation
 1/8" = 1'-0"



1 North Demolition Elevation
 1/8" = 1'-0"



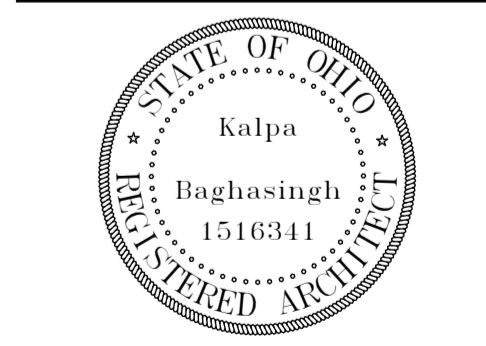
4 West Demolition Elevation
 1/8" = 1'-0"



3 South Demolition Elevation
 1/8" = 1'-0"

Bicentennial Barn - McCammon Creek Park

6844 Bale Kenyon Rd
 Lewis Center, OH 43035



Kalpa Baghasingh, License #1516341
 Expiration Date 12/31/2025

Demolition Elevations

Architectural Demolition

AD210

02/14/2025

23070

Consultants:

Civil, Structural & MEPT
Korda/Nemeth Engineering
1600 Watermark Drive, Columbus, OH 43215
614-487-1650

Barn Consultant
Mt. Vernon Barn Co.
7676 Co Rd 15, Fredericktown, OH 43019
614-634-2049

Drawing Issue Dates:

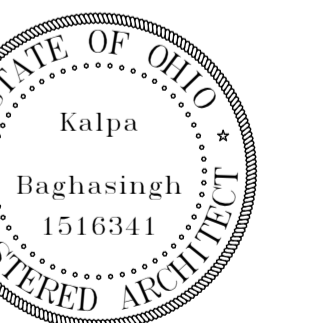
Design Development Submittal
11/17/2023
50% Construction Documents
07/19/2024
90% Construction Documents
01/15/2025
Bid Set / Permit Set
02/14/2025

Revision Schedule

#	Description	Date

Bicentennial Barn -
McCammon Creek
Park

6844 Bale Kenyon Rd
Lewis Center, OH 43035



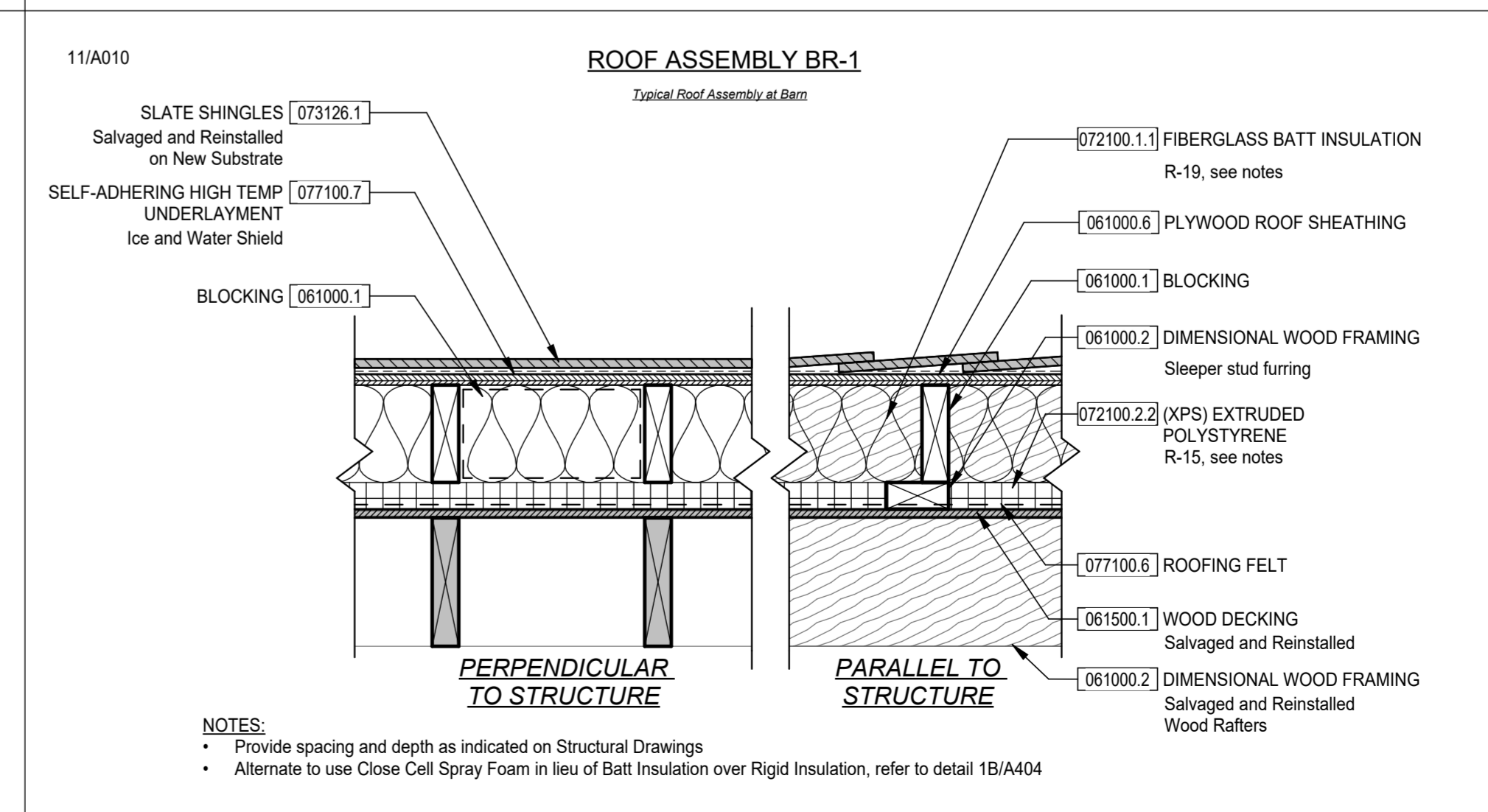
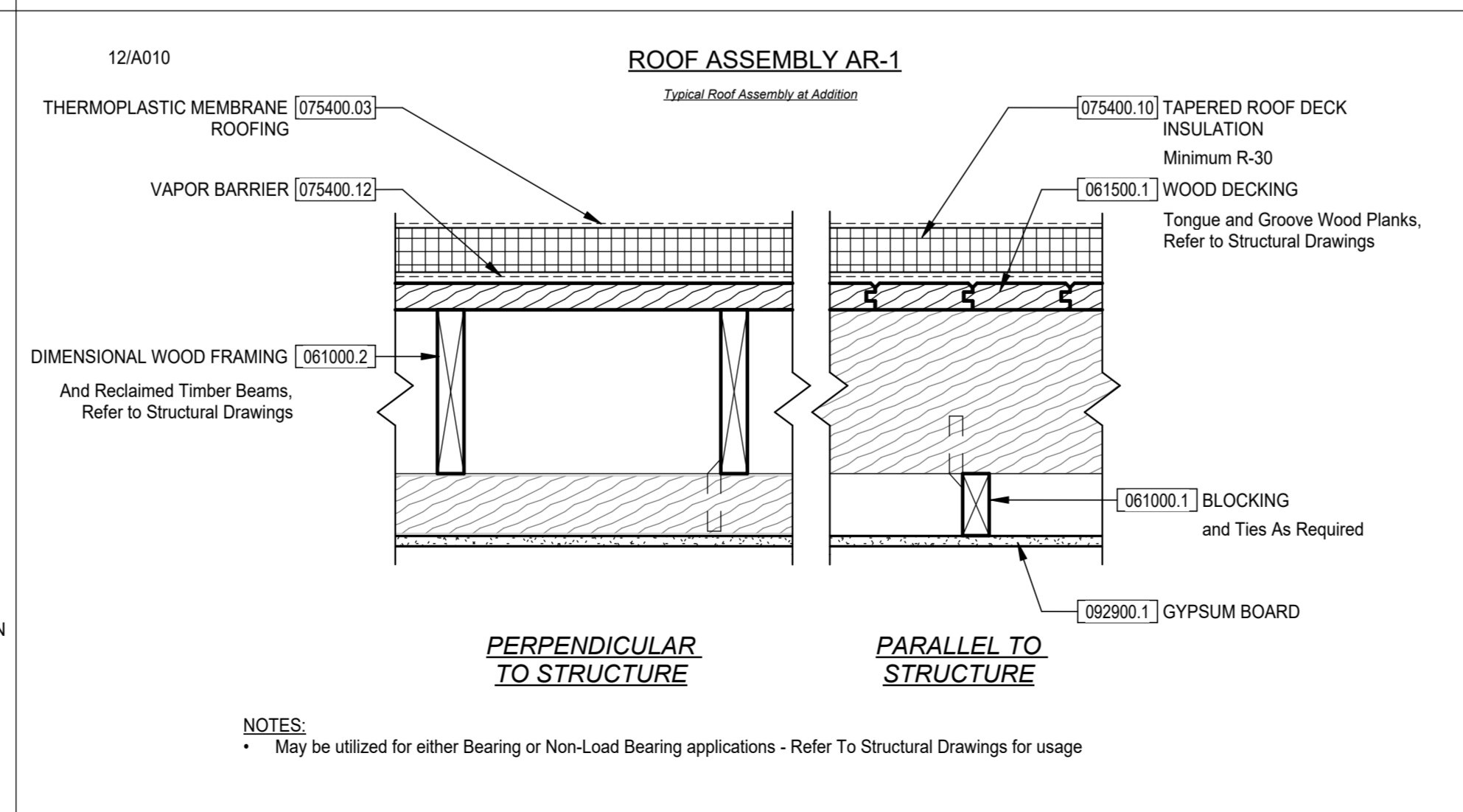
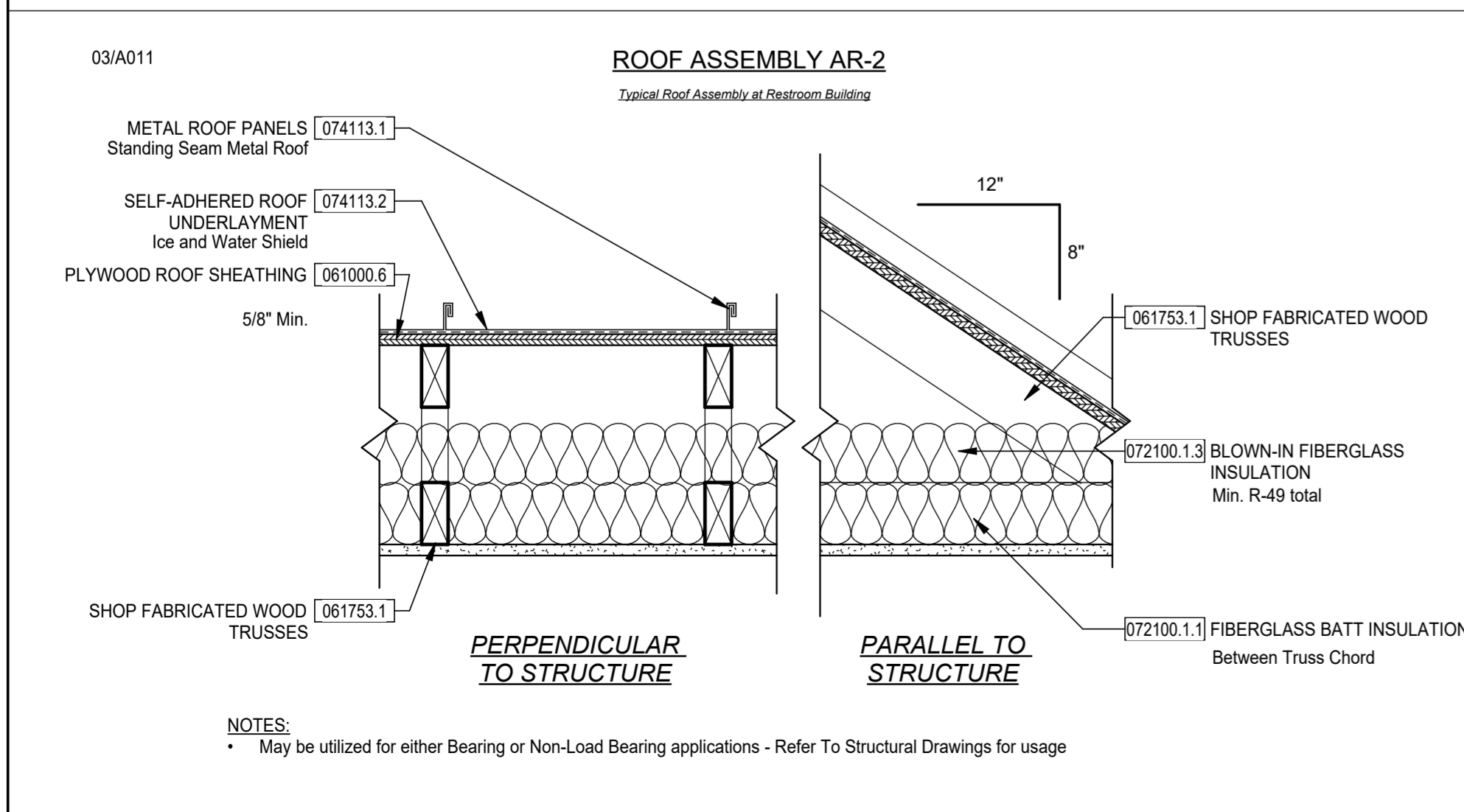
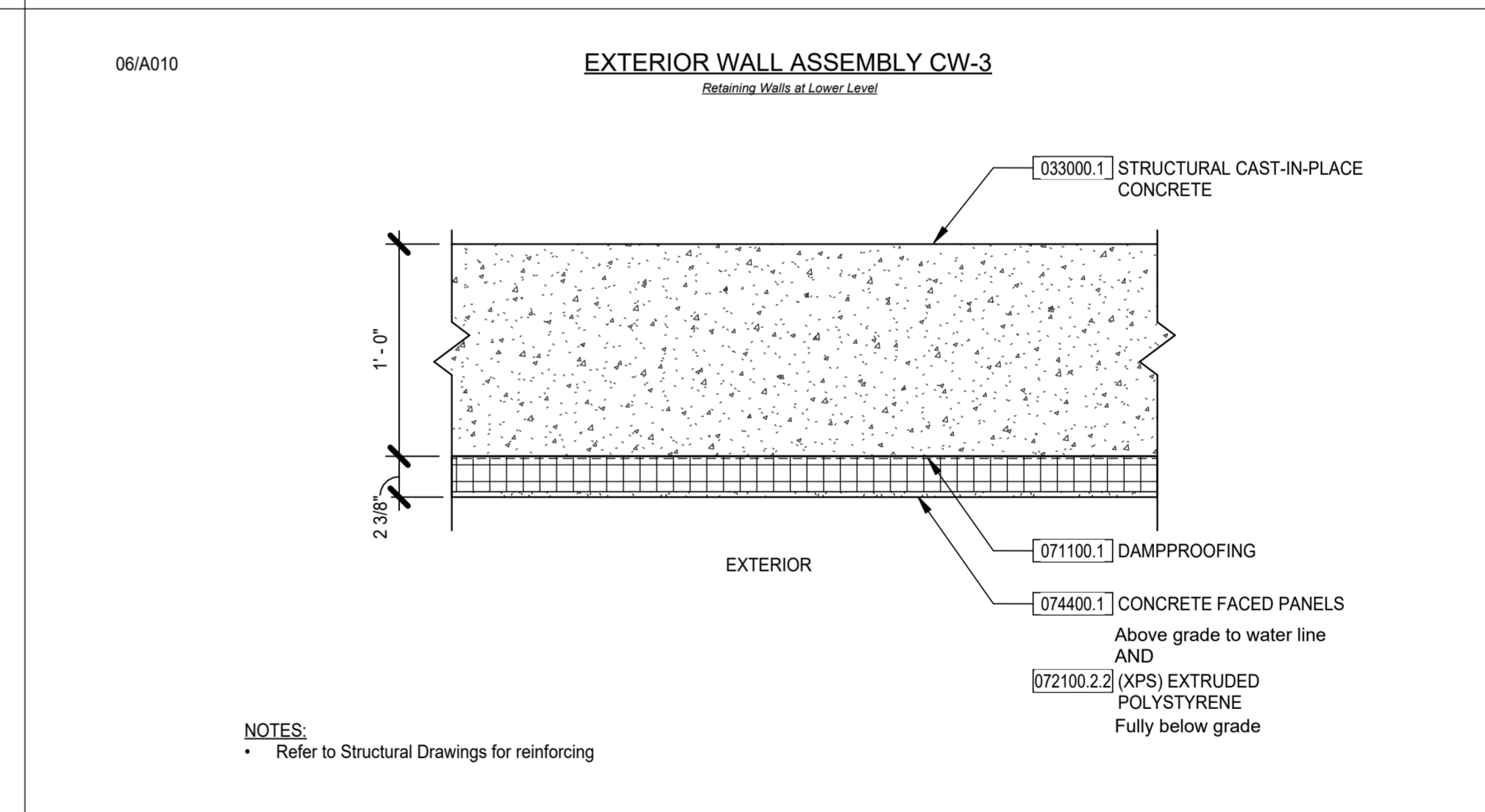
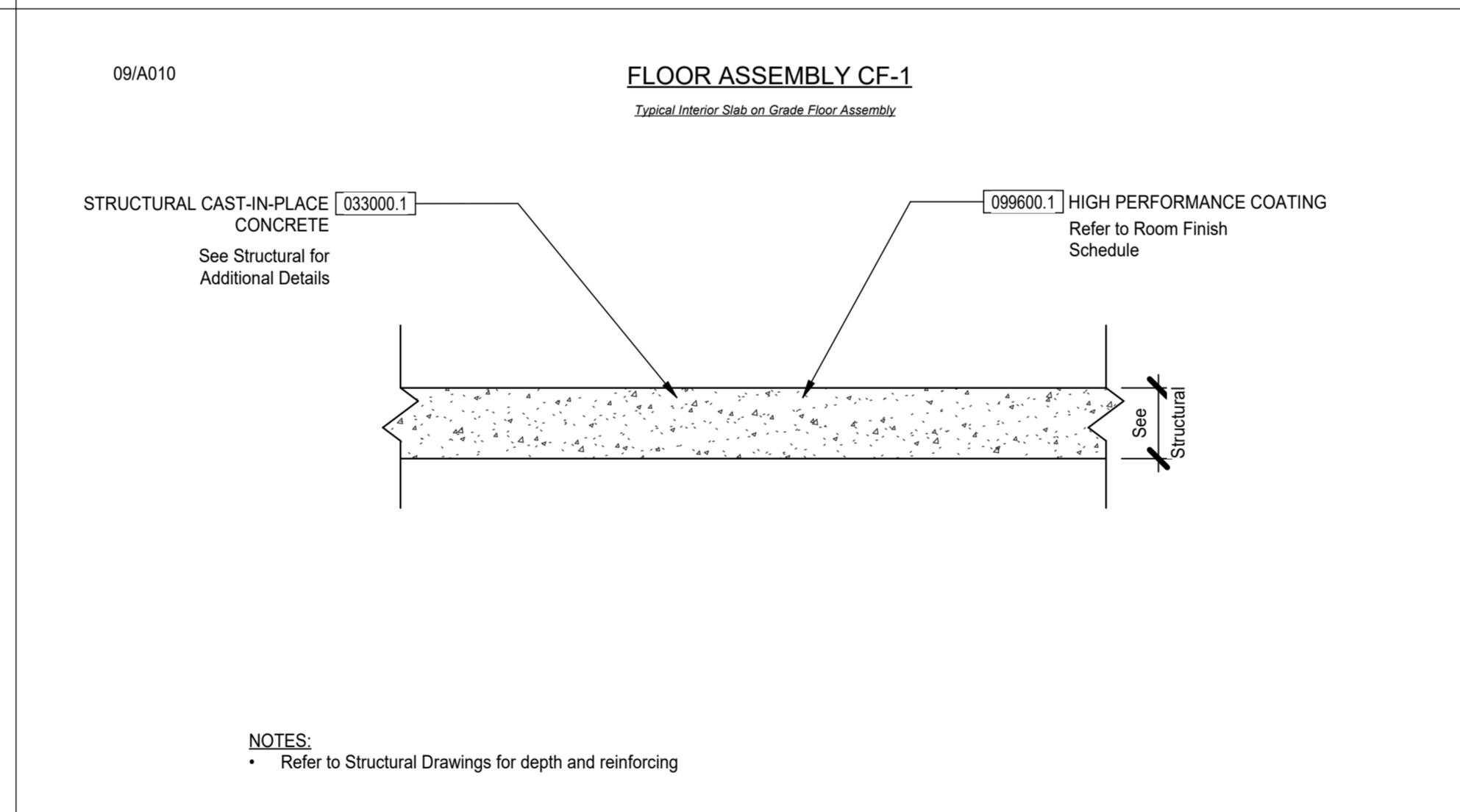
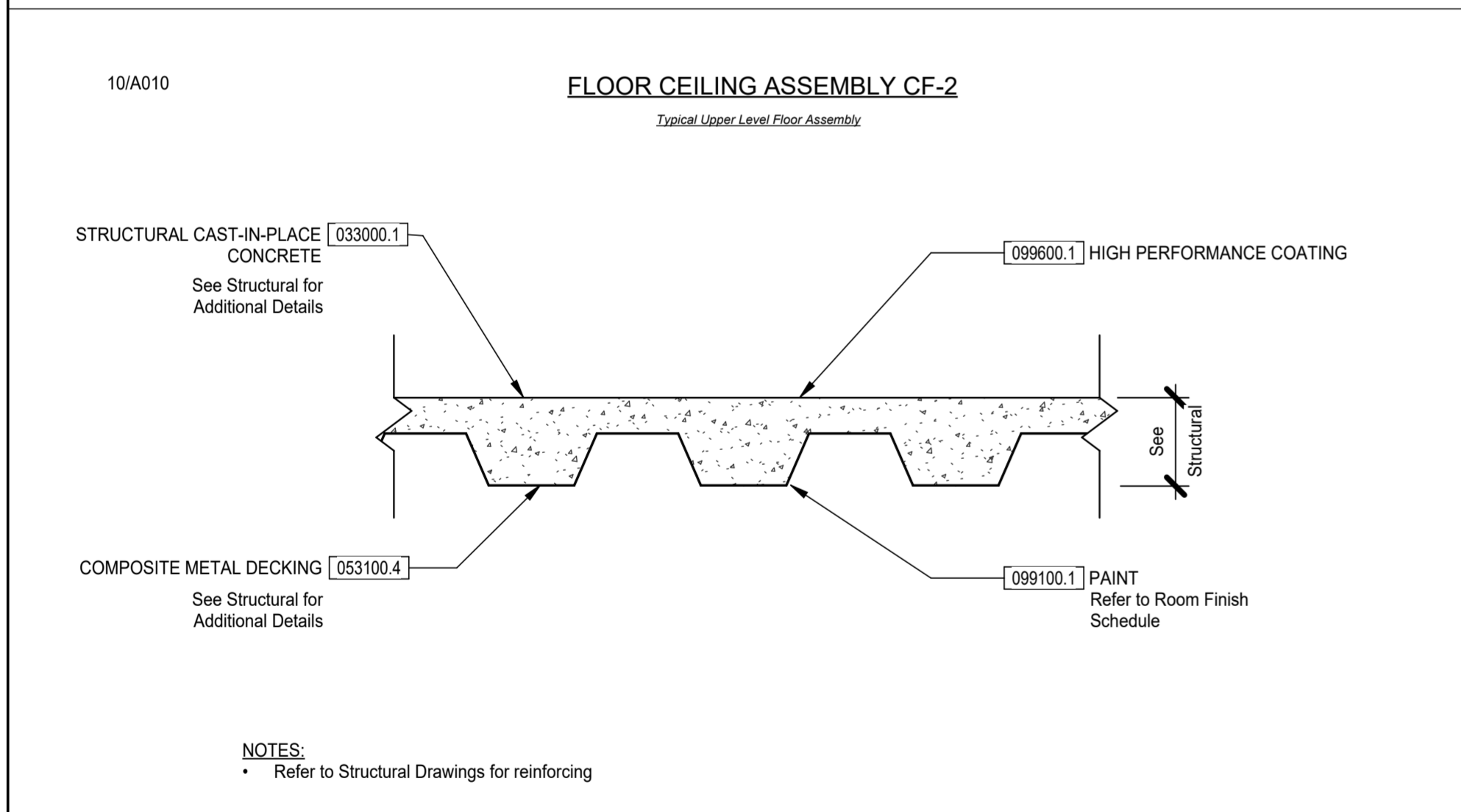
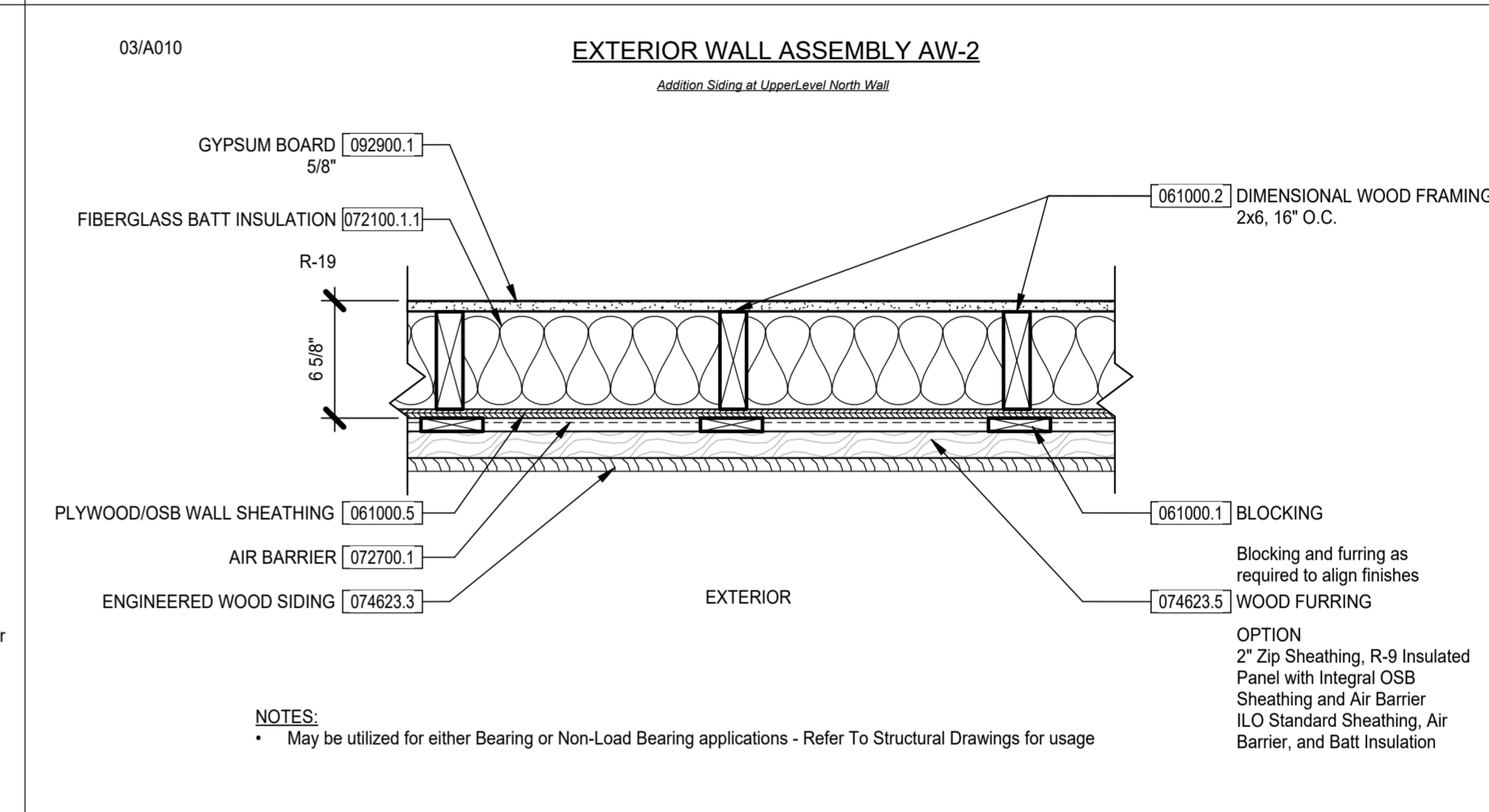
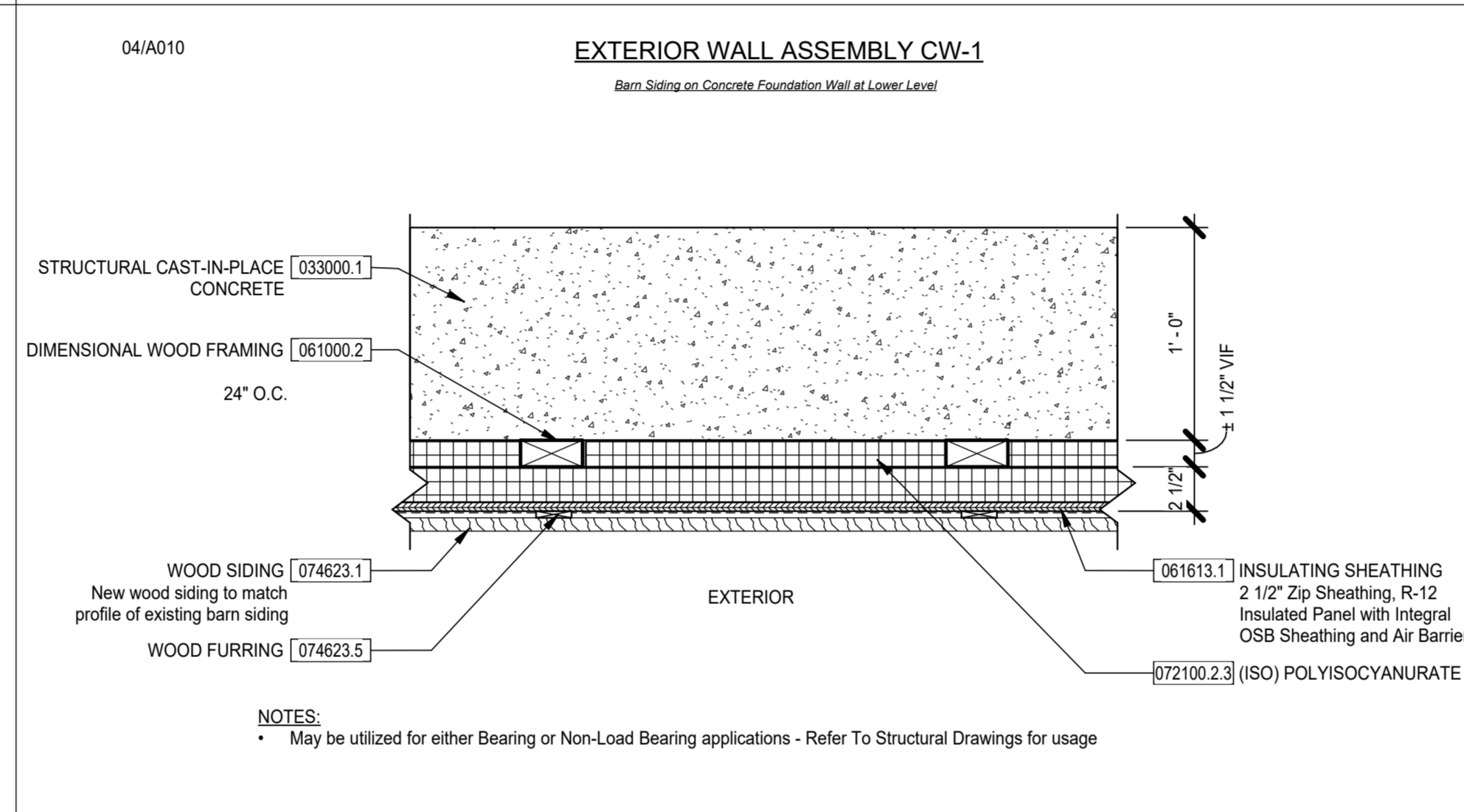
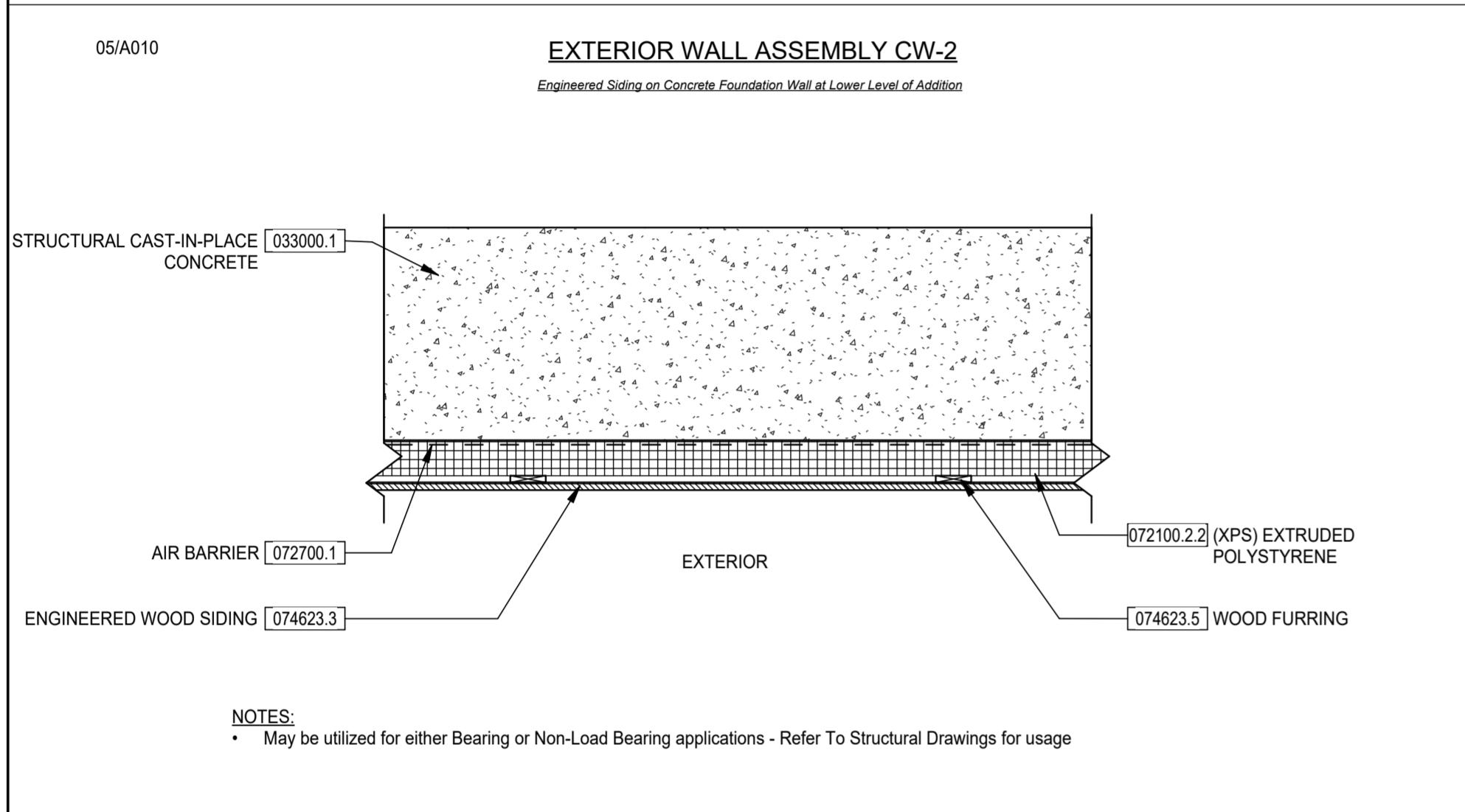
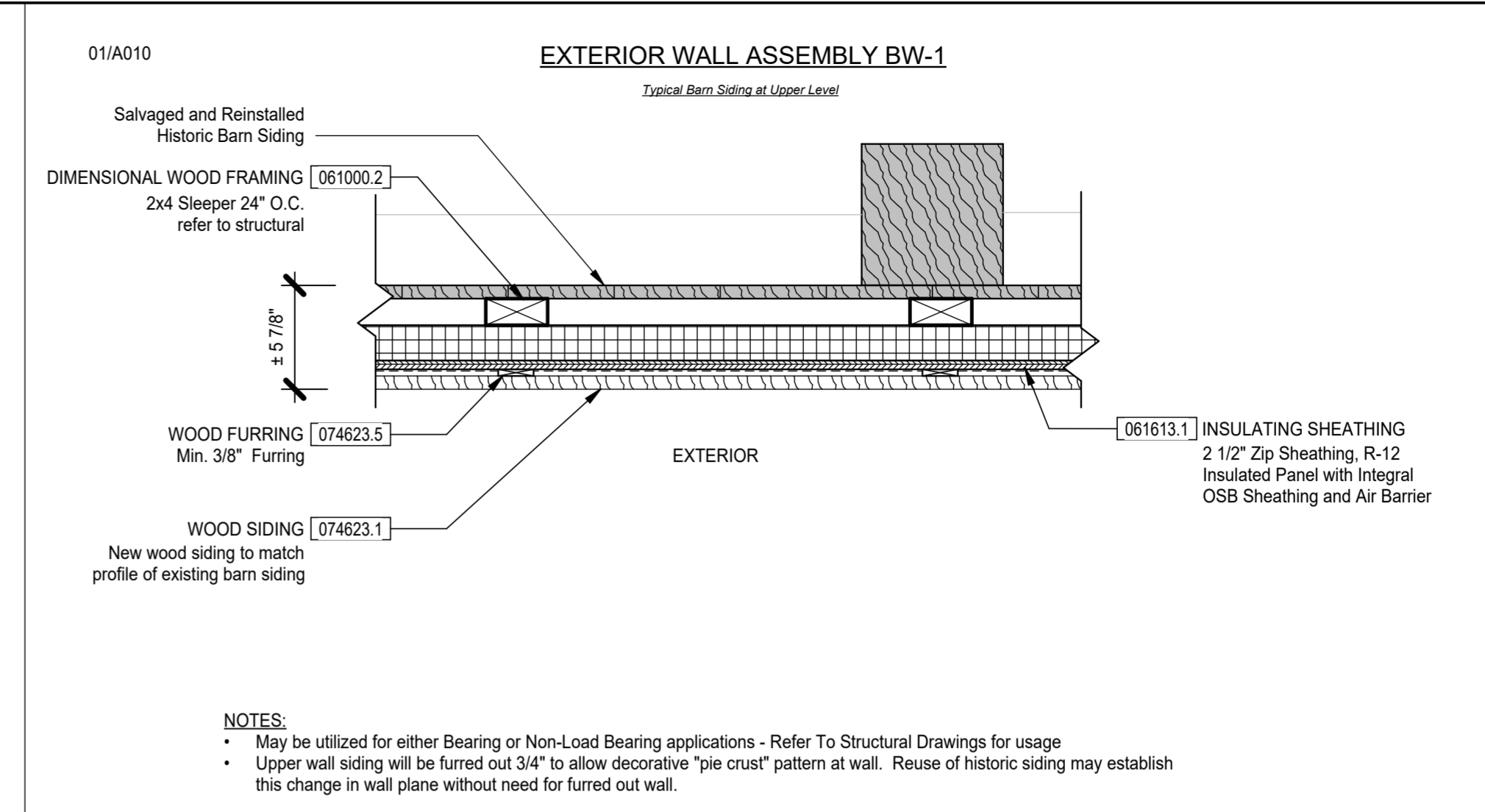
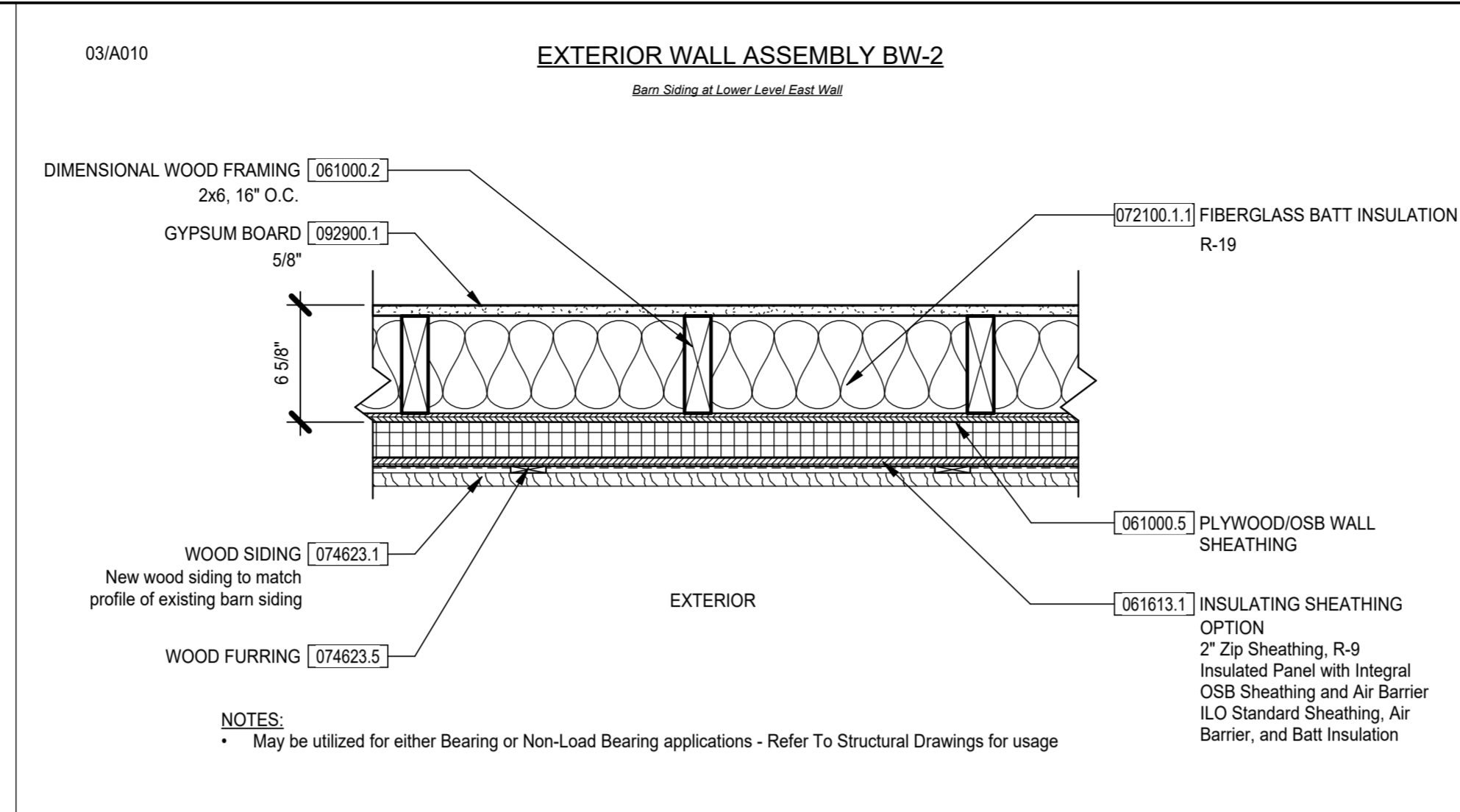
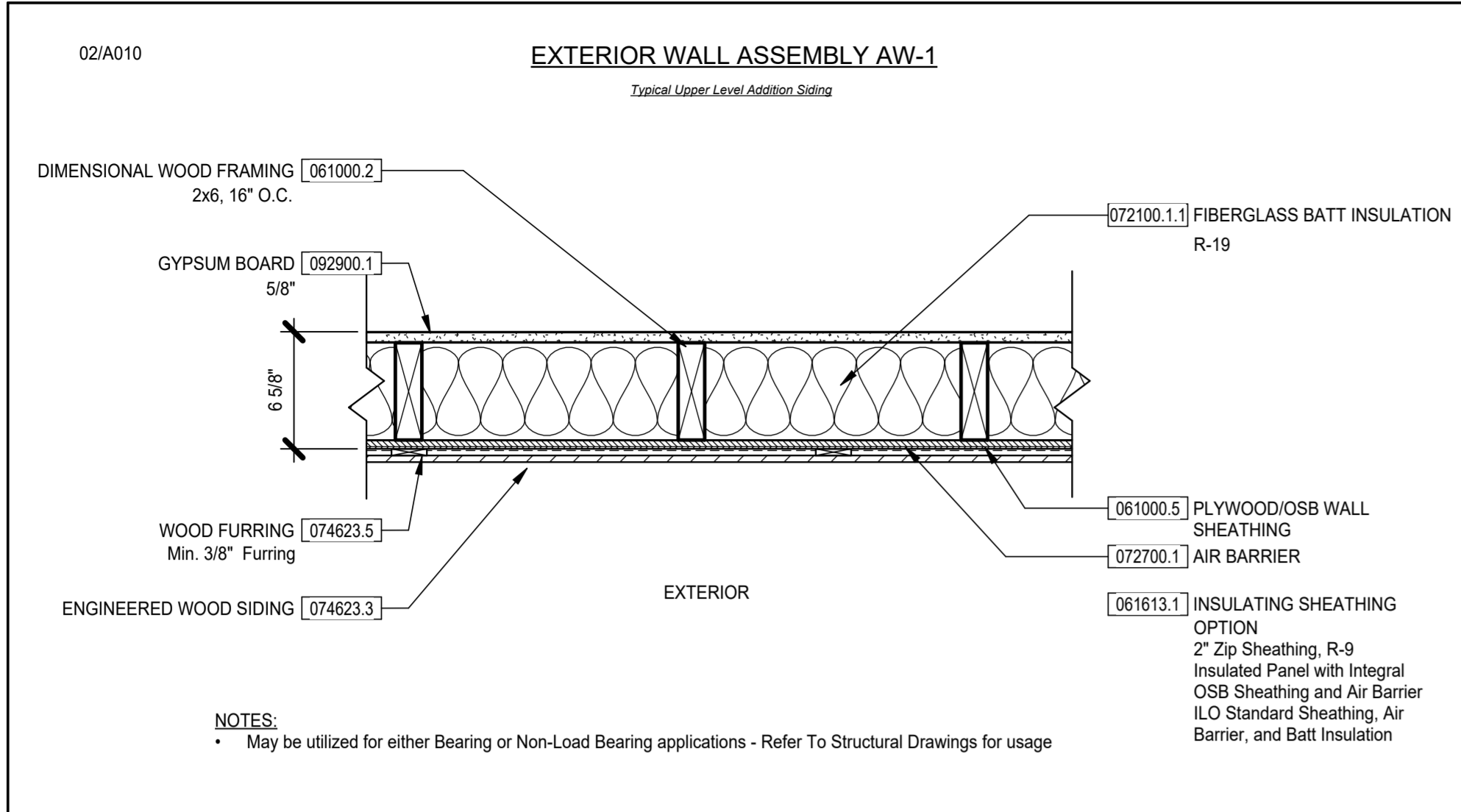
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Expiration Date 12/31/2025

Construction
Assemblies

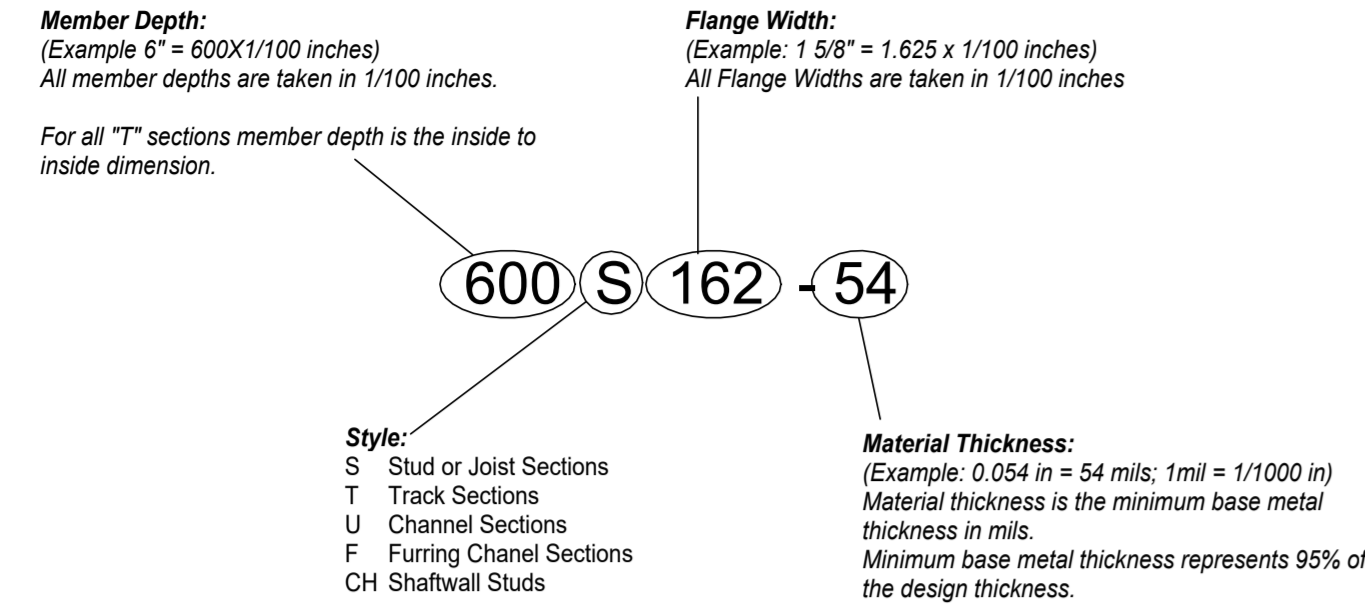
A010

02/14/2025

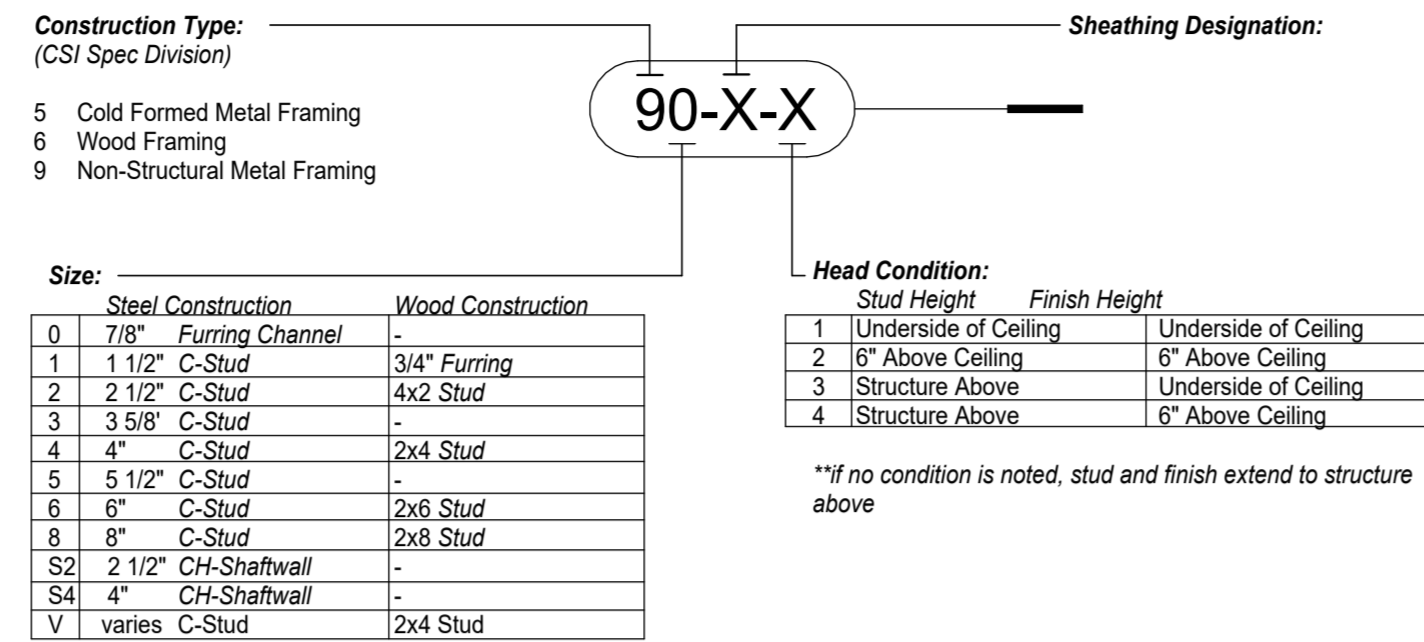
23070



SSMA Product Identification



Key for Wood & Metal Stud Partitions



Sheathing Designation

	# of Layers	Material Thickness	Material(s)
A	1	5/8"	Gypsum board on one side, no finish on other side
B	1	5/8"	Gypsum board on each side
C	2	5/8"	Gypsum board on each side
D	1	5/8"	Gypsum board on one side Gypsum board on 1/2" resilient channels other side
E	2	5/8"	Gypsum board on one side Gypsum board on 1/2" resilient channels other side
F	1	5/8"	Gypsum board on one side Gypsum shaftliner in CH stud
G	2	5/8"	Gypsum board on one side Gypsum shaftliner in CH stud
H	1	5/8"	Gypsum board on 1/2" OSB on one side Gypsum board on 1/2" resilient channels other side
J	2	5/8"	Gypsum board on 1/2" OSB on one side Gypsum board on 1/2" resilient channels other side

Board Types by Location

- Regular Duty Gypsum Board Locations**
- Storage Rooms
- Abuse Resistant Gypsum Board Locations**
- Corridors
 - Stairways
 - Mechanical Rooms
- Cement Board Locations**
- Bathroom walls with tile
- Mold and Moisture Resistant Gypsum Board Locations**
- Restrooms (unless noted otherwise), including ceilings
 - Sanitary
 - Housekeeping rooms

Partition General Notes

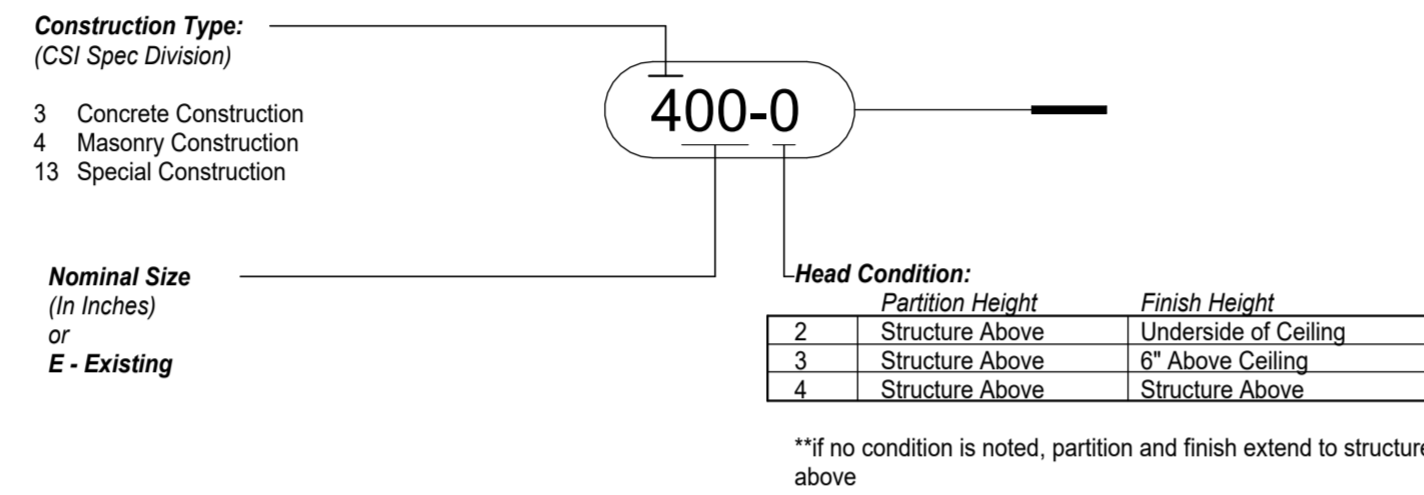
- Interior partitions shall utilize wall board types in accordance with the table "Board Types by Location".
- Partitions to be rated as shown on floor plans.
- Fire rated assemblies shall be installed in accordance with the specified UL Assemblies, including dimensions, manufacturers, products, fastenings, and other such requirements.
- Extend all walls to the underside of the structure unless noted otherwise.
- Wall assemblies that allow horizontal travel within the concealed wall space shall be fire-blocked at 10'-0" O.C. maximum, in accordance with O.B.C. Section 717.2, including assemblies utilizing resilient channels.
- Interior partitions are to be acoustic in accordance with the table "Acoustic Partitions by Location".

Material Thickness

Designation Thickness (mils)	Reference Gauge	(CSI Spec Division)
18	25	9 Non-Structural Metal Framing
27	22	
30	20-Drywall	
33	20-Structural	5 Cold Formed Metal Framing
43	18	
54	16	
68	14	
97	12	
118	10	

Unless otherwise indicated by the structural drawings utilize the following:
Cold Formed Metal Framing - 18 gauge (43 mil)
Non-Structural Metal Framing - 20 gauge (30 mil)

Key for Concrete, Masonry & Special Construction



Fire & Smoke Ratings

1-Hour Rated Partition

Acoustic Partitions by Location

Note, all acoustic partitions shall have acoustical sealant at all perimeter joints and penetration joints for both sides of the wall. Openings in the finish membrane for opposite sides of the wall shall be offset at least 16".

- Classrooms
- Restrooms
- Mechanical Rooms
- Offices
- Corridors
- Sanitary

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Consultants:

Civil, Structural & MEPT
Korda/Nemeth Engineering
1600 Watermark Drive, Columbus, OH 43215
614-487-1650

Barn Consultant
Mt. Vernon Barn Co.
7676 Co Rd 15, Fredericktown, OH 43019
614-634-2049

Drawing Issue Dates:

Design Development Submittal
11/17/2023

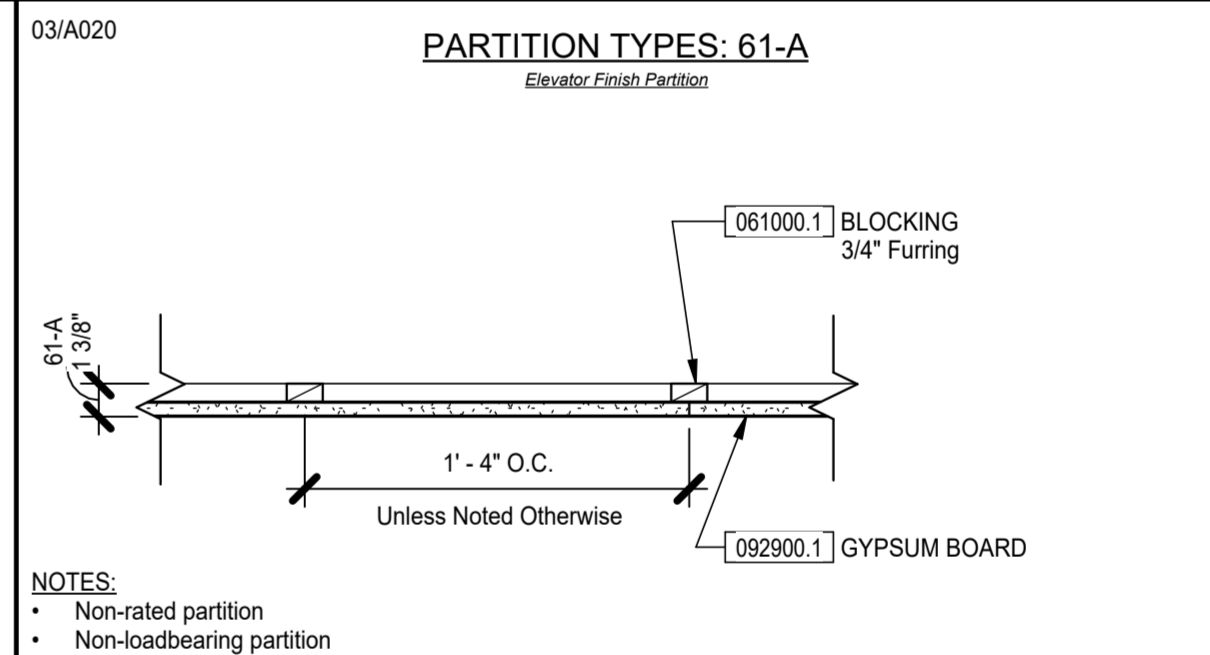
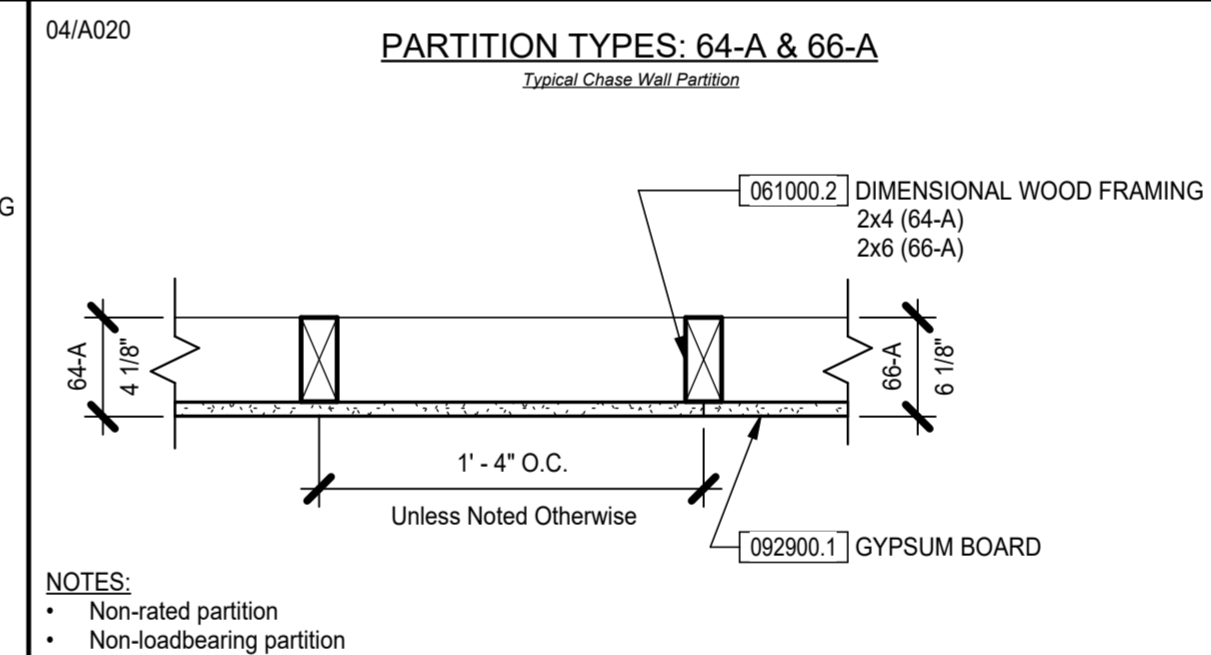
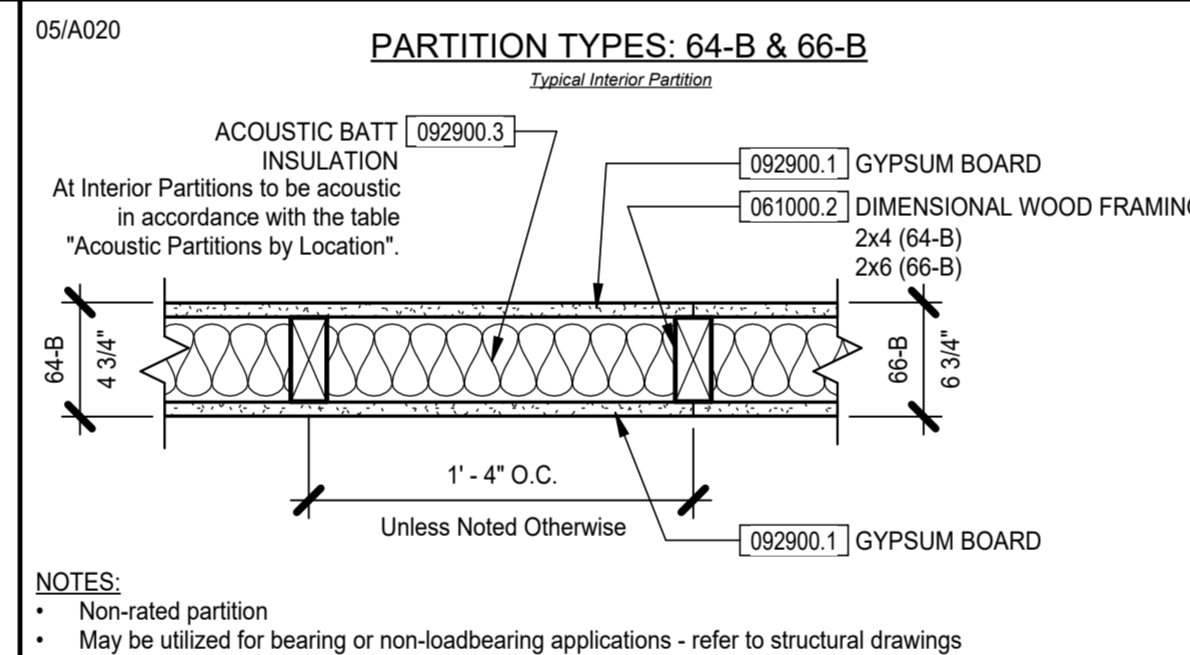
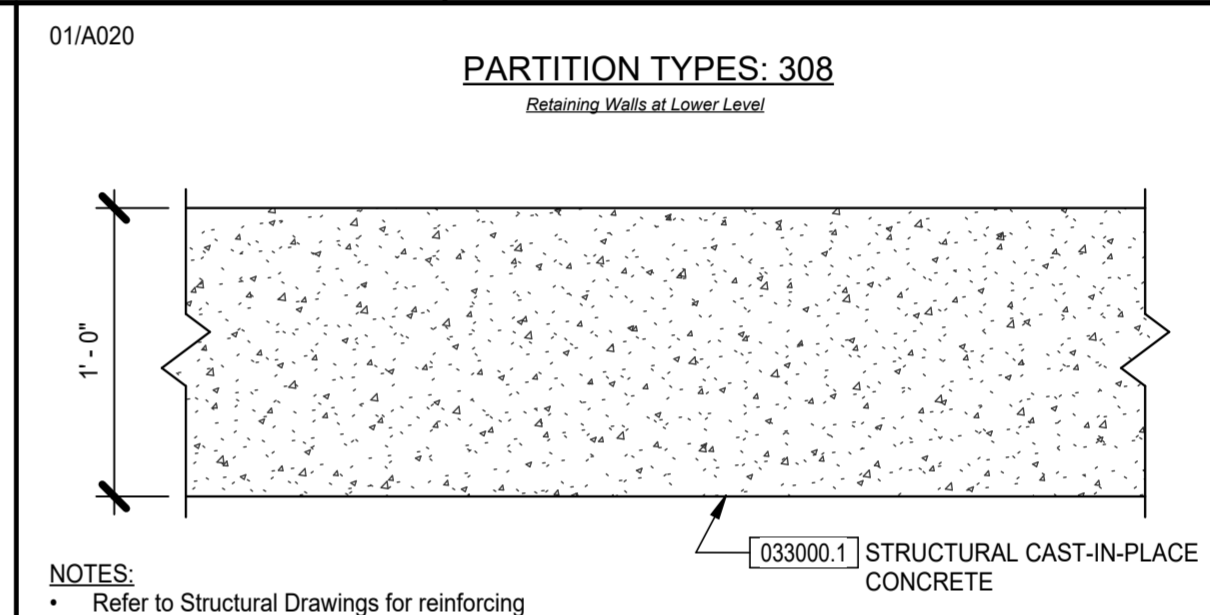
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07/19/2024

90% Construction Documents
01/15/2025

Bid Set / Permit Set
02/14/2025

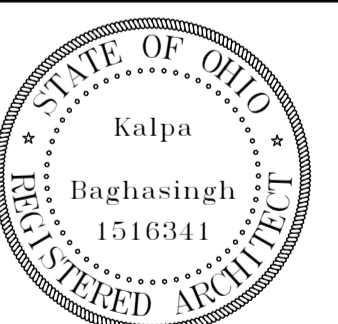
Revision Schedule

#	Description	Date



Bicentennial Barn - McCammon Creek Park

6844 Bale Kenyon Rd
Lewis Center, OH 43035



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Expiration Date 12/31/2025

Wall Partitions

Architectural

A020

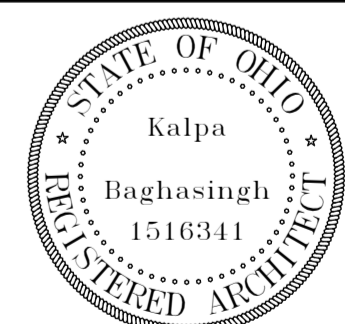
02/14/2025

23070

Revision Schedule		
#	Description	Date

**Bicentennial Barn -
 McCammon Creek
 Park**

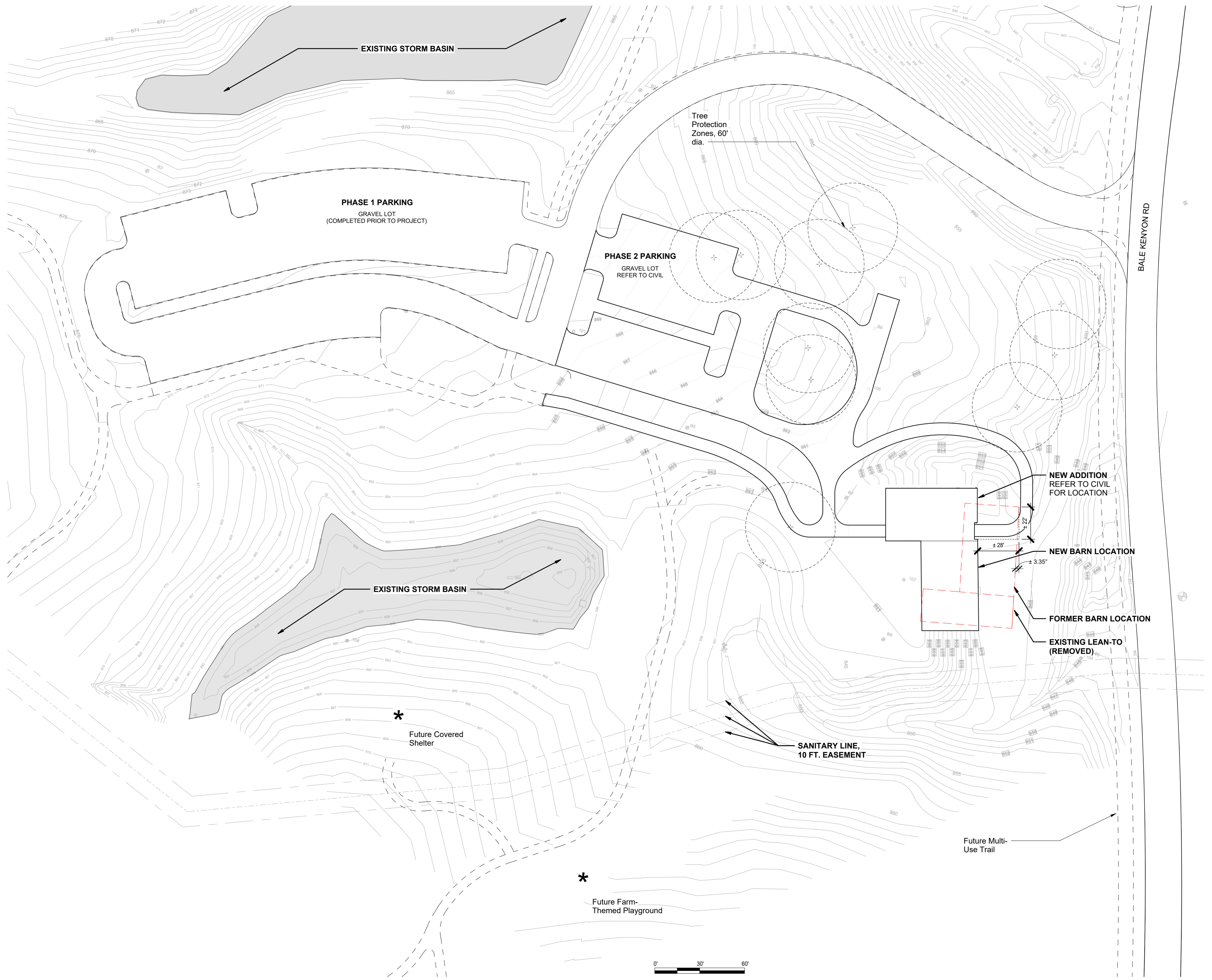
6844 Bale Kenyon Rd
 Lewis Center, OH 43035



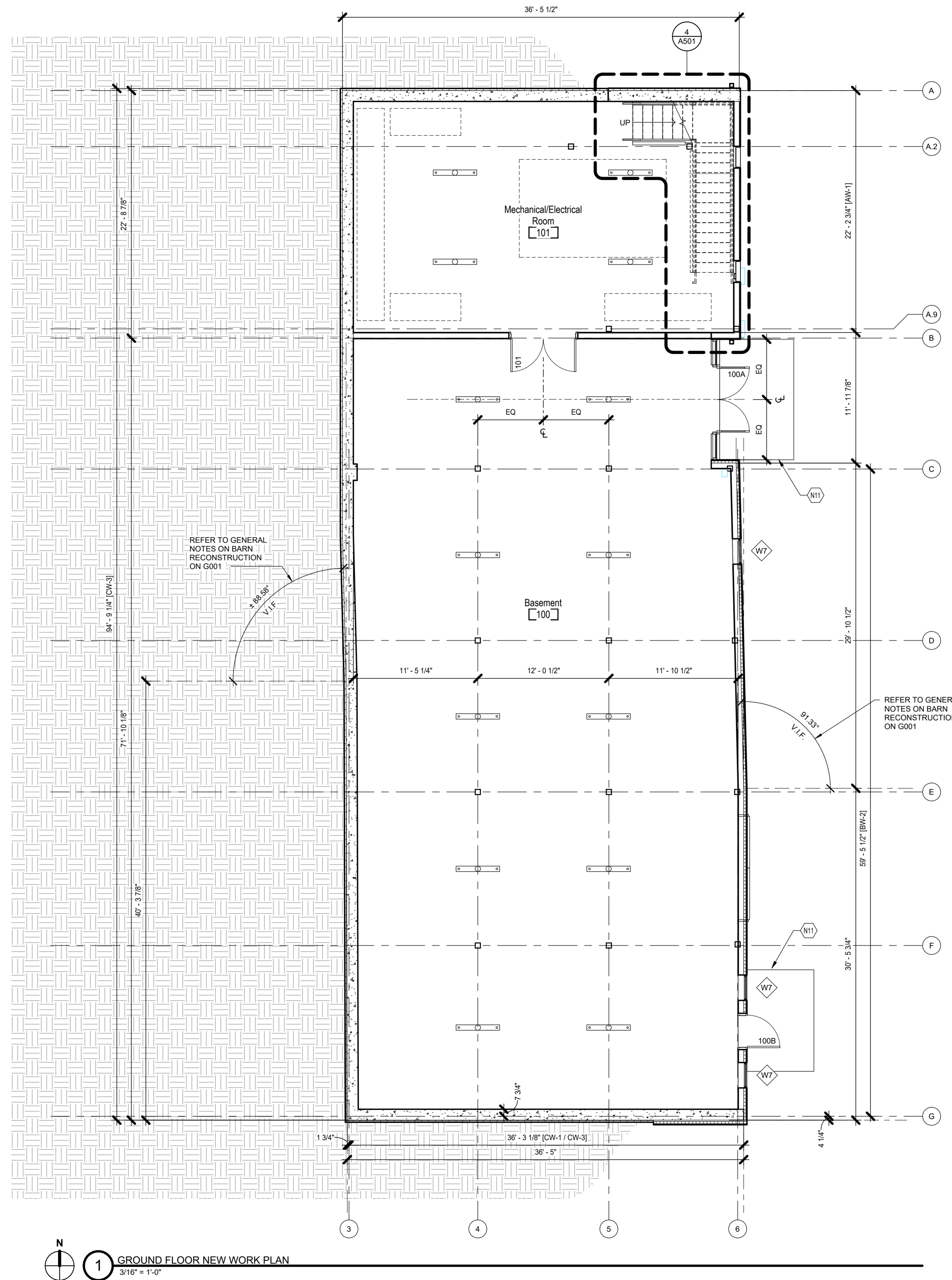
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**Site New Work
 Plans**

Architectural
A100
 02/14/2025
 23070



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NEW WORK - GENERAL NOTES

- A. Do not scale drawings. Dimensions in details shall govern over small scale drawings. If dimensions are in questions, the contractor shall be responsible for obtaining clarification from the Architect before continuing with construction.
- B. Dimensions shown on the floor plan for construction are to the centerline of columns or to the finish face of interior partition for interior walls; and exterior face of concrete, masonry or wood framing for exterior walls except where specifically noted otherwise on the drawings.
- C. Provide blocking for support of all wall attachments including but not limited to wall accessories (handrail, bumpers, guards, etc.), toilet accessories (grab bars, diaper changing stations, etc.), base and wall cabinets. Contractor shall coordinate and verify all requirements for attachments.
- D. Contractor shall build out partitions to accommodate depth required by fire extinguisher cabinets and recessed power panels. Coordinate with engineering drawings final locations of all cabinets and panels to be approved by the architect.
- E. Refer to Door and Frame Schedule for all door requirements and opening details. All doors locations not dimensions are located with the face of jamb 6" from adjacent wall U.N.O
- F. Offset studs based on wall type to ensure face of finish is continuous and uninterrupted.
- G. Coordinate locations and/or elevations of floor drains, registers, access panels, grilles, louvers, unit heaters, electrical panels, etc. with mechanical and electrical contractors prior to starting work.
- H. Refer to structural drawings for location and extent of shear walls and braced frame locations.
- I. Interior partitions to be Type 64-B unless noted otherwise. See A020 for details.
- J. Ensure all reused salvaged material is thoroughly cleaned with non-marring bronze brushes on all sides and surfaces before reassembly. All parts shall be inspected to ensure their fitness for reassembly and reuse in the project. Replace any damaged or deteriorated pieces using salvaged material of appropriate species.
- K. In reassembly of Barn, secure refurbished barn siding and sheathing to frame, girts or rafters, remove any fastener which misses component. No fasteners shall protrude to interior.
- L. Shaded regions represent reclaimed barn wood.

NEW WORK - CODED NOTES

- N1 Reinstall salvaged door at same position, permanently locked in place
- N2 Reinstall salvaged door at relocated position, permanently locked in place
- N6 Reinstall salvaged windmill blades.
- N7 Lockable white pine wood bi-fold door at pass-through opening with concrete countertop. Wood stained to match adjacent wood.
- N9 21" tall bench. See casework details for additional details.
- N10 21" tall bench with diffusers for supply air distribution from below. See casework details and Mechanical drawings for additional details.
- N11 New concrete frost slab - Refer to Civil and Structural.

Consultants:

Civil, Structural & MEPT
Korda/Nemeth Engineering
1620 Watermark Drive, Columbus, OH 43215
614-487-1650

Barn Consultant
Mt. Vernon Barn Co.
7676 Co Rd 19, Fredericktown, OH 43019
614.634.2049

Drawing Issue Dates:

Design Development Submittal
11/17/2023

50% Construction Documents
07/19/2024

90% Construction Documents
01/15/2025

Bid Set / Permit Set
02/14/2025

Revision Schedule

#	Description	Date
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Bicentennial Barn - McCammon Creek Park

6844 Bale Kenyon Rd
Lewis Center, OH 43035



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Expiration Date 12/31/2025

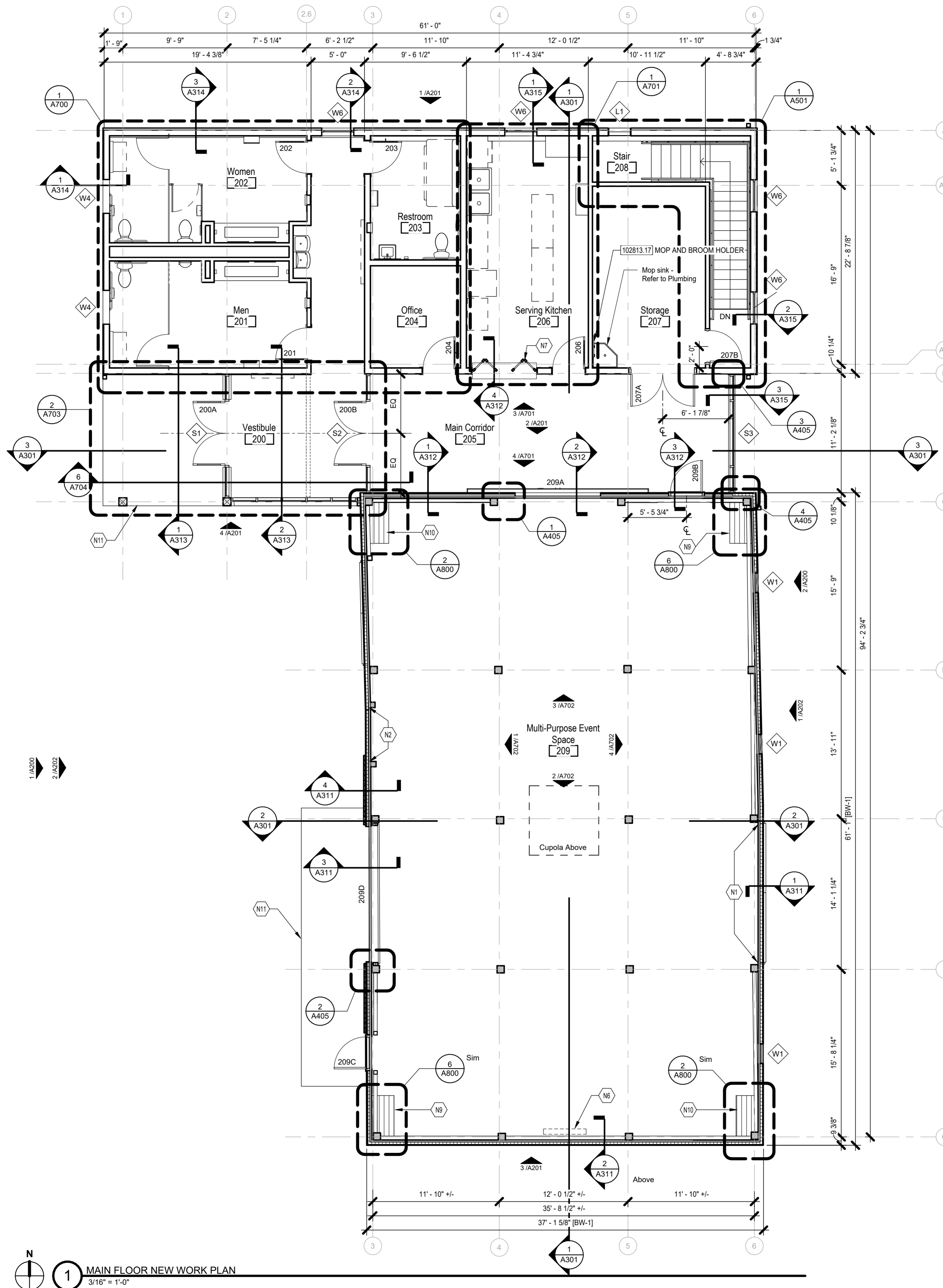
Ground Floor - New Work Plan

Architectural

A101

02/14/2025

23070



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

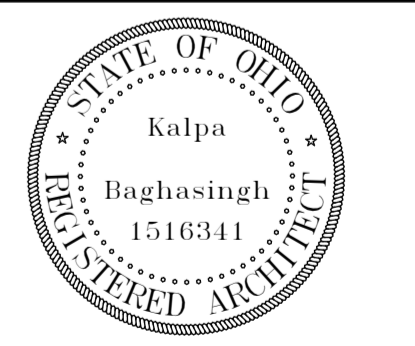
NEW WORK - GENERAL NOTES

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- D. Contractor shall build out partitions to accommodate depth required by fire extinguisher cabinets and recessed power panels. Coordinate with engineering drawings final locations of all cabinets and panels to be approved by the architect.
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- K. In reassembly of Barn, secure refurbished barn siding and sheathing to frame, girts or rafters, remove any fastener which misses component. No fasteners shall protrude to interior.
- L. Shaded regions represent reclaimed barn wood.

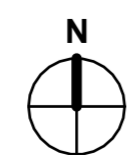
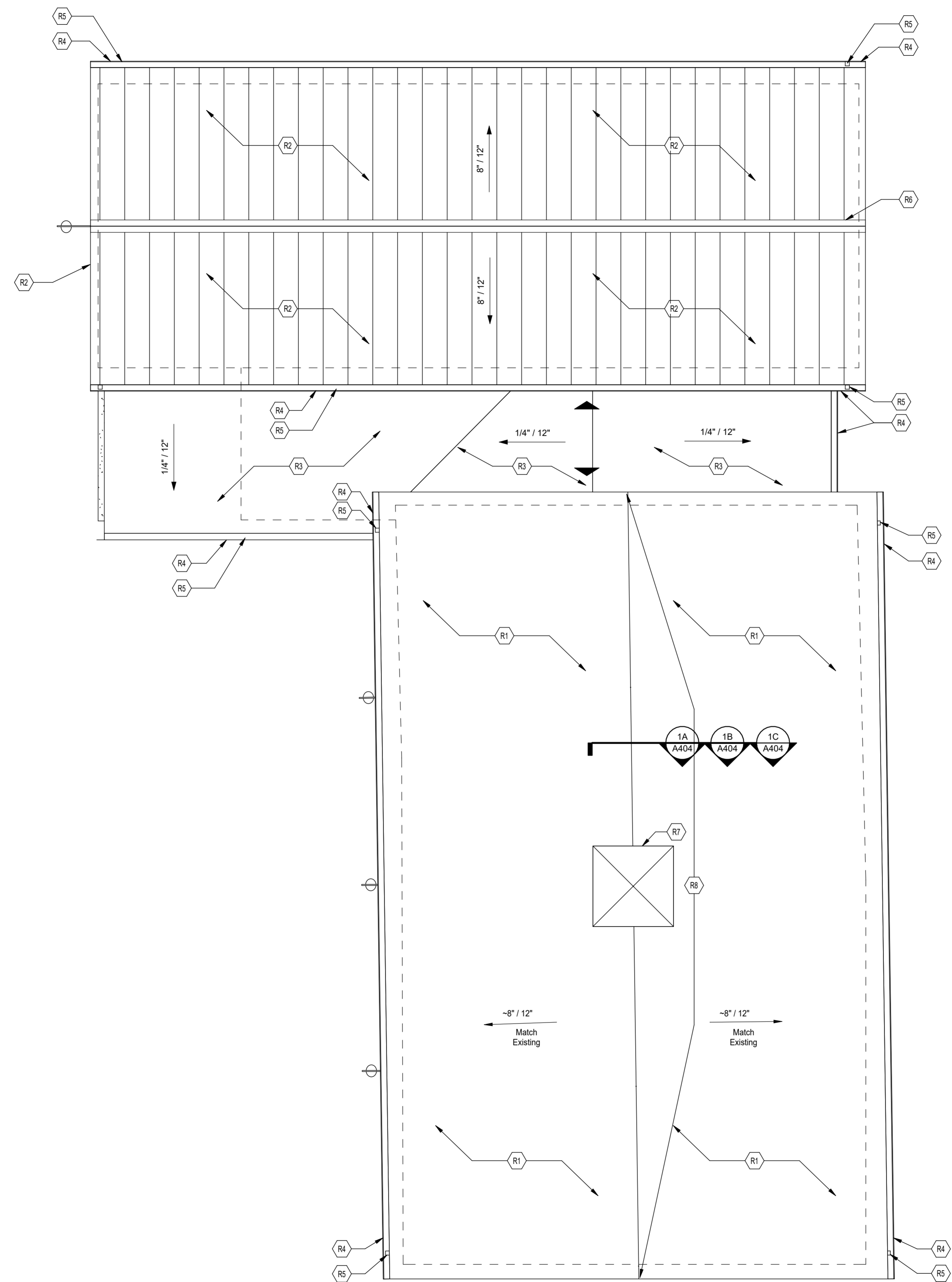
NEW WORK - CODED NOTES

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Revision Schedule		
#	Description	Date



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

ROOF - CODED NOTES

- R1 Salvaged and reinstalled slate roof
- R2 Standing seam metal roof
- R3 Grey TPO Membrane Roof
- R4 Galvanized steel half-round gutter
- R5 Galvanized steel round downspout, refer to building elevations
- R6 Ridge Vent
- R7 Salvaged and reinstalled cupola, replace louvered openings with new vision glass windows
- R8 Reinstall salvaged historic lightning rods, glass balls, weathervane, and anchors in their prior location



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Drawing Issue Dates:

Design Development Submittal
11/17/2023

50% Construction Documents
07/19/2024

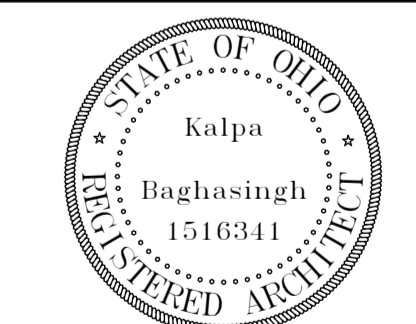
90% Construction Documents
01/15/2025

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02/14/2025

Revision Schedule		
#	Description	Date

**Bicentennial Barn -
McCammon Creek
Park**

6844 Bale Kenyon Rd
Lewis Center, OH 43035



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**Roof New Work
Plan**

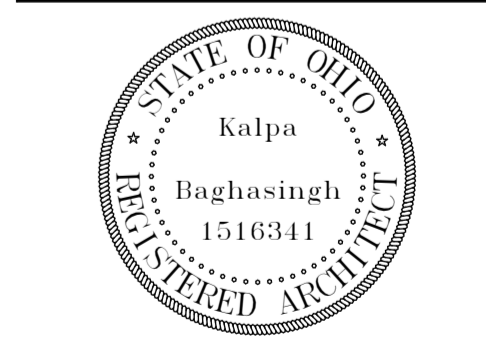
Architectural

A103

02/14/2025

23070

Revision Schedule		
#	Description	Date



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 Expiration Date 12/31/2025

Reflected Ceiling
 Plans

A151

02/14/2025
 23070

CEILING PLAN - GENERAL NOTES

- A. Center light fixture and orient in room as shown UNO.
- B. Unless noted otherwise, all fixtures and ceiling mounted equipment to be mounted in the center of the ceiling or vault.
- C. Light fixtures on ceiling panels are to be centered on the panel or aligned with the panel edge UNO.
- D. Locate sprinkler heads, smoke detectors, speakers, and other ceiling-mounted mechanical, electrical, plumbing, and security devices centered in acoustical ceiling panels UNO.
- E. ACT ceiling grids are to be centered in room UNO.

NEW WORK RCP - CODED NOTES

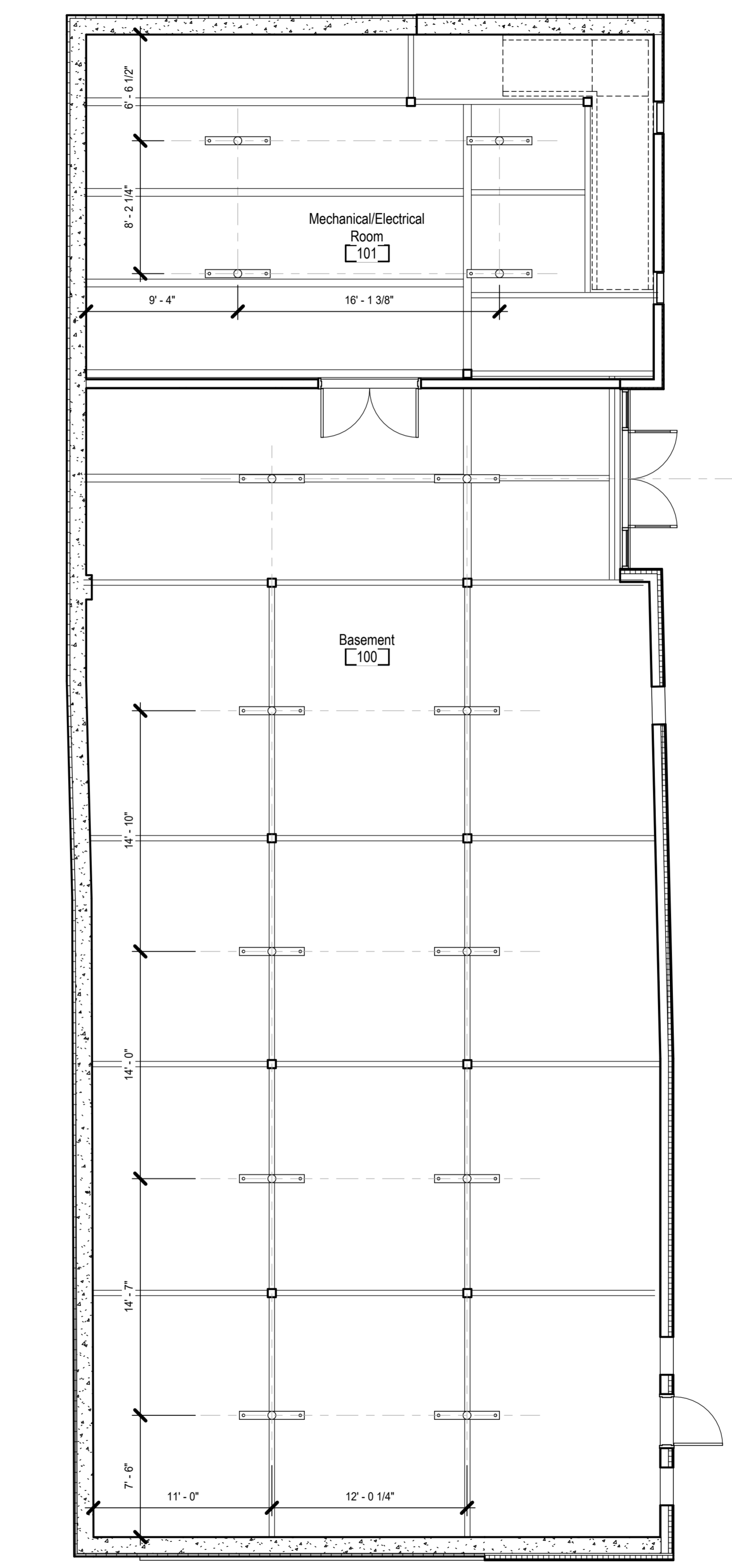
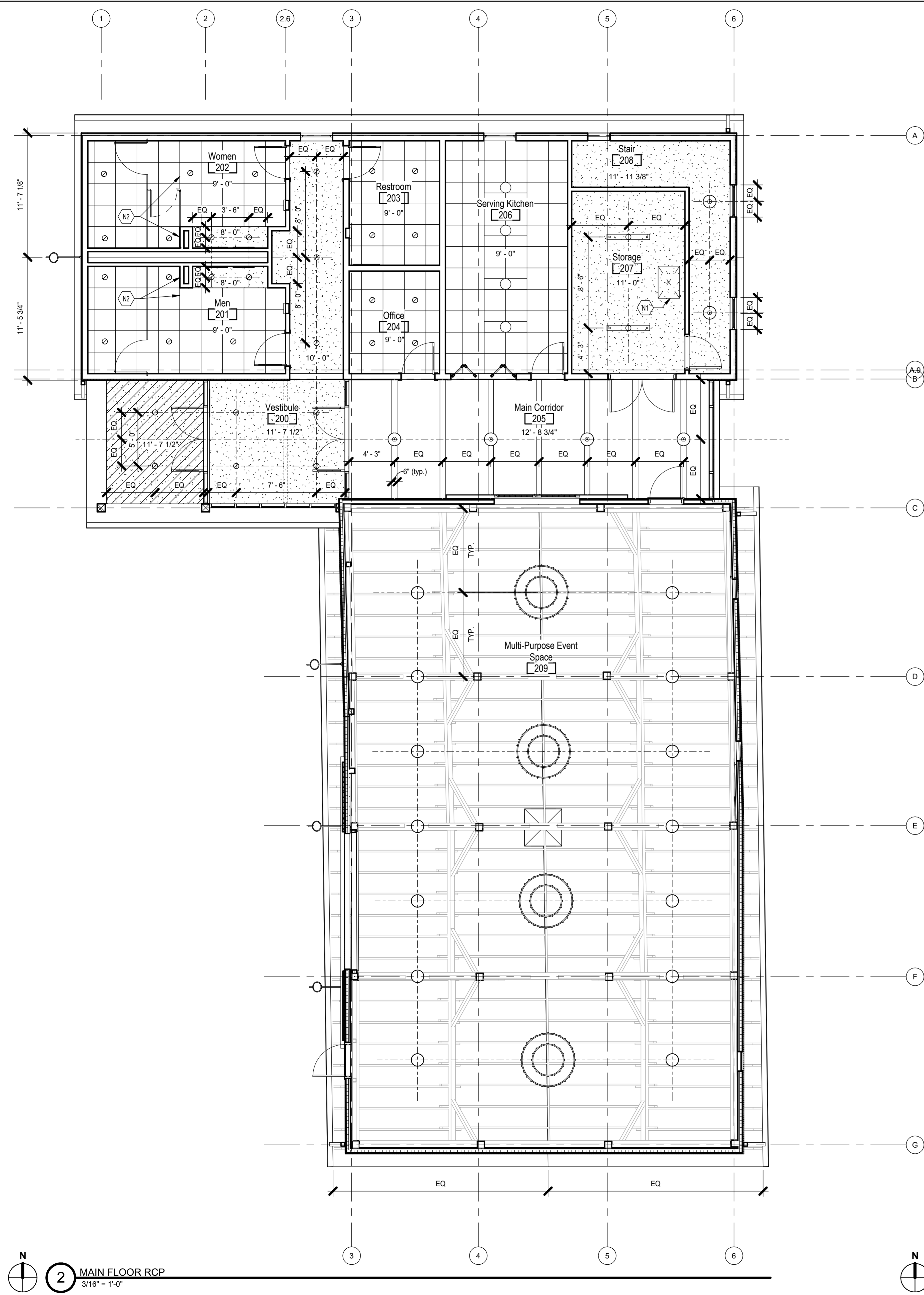
- N1 Attic access door, contractor to provide wall mounter attic access ladder refer to spec section 05 50 00. Confirm placement with owner prior to installation
- N2 ACT system grid to align with finish face of wall.

CEILING LEGEND

- Exposed
- Gypsum Board Ceiling
- ACT System
- Exterior Gypsum Board Ceiling

LIGHTING LEGEND

- Suspended Linear
- Pendant (Addition)
- Recessed Can
- Recessed Linear
- Pendant (Barn)
- Chandelier
- Pendant (Barn)
- Gooseneck Exterior Sconce



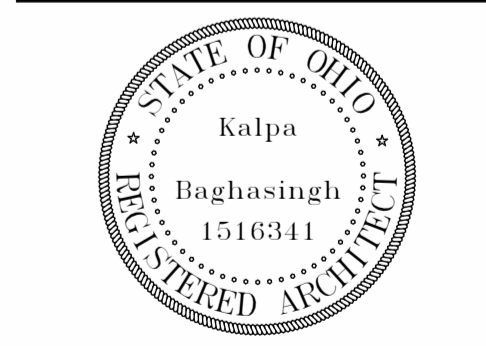
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2 MAIN FLOOR RCP
 3/16" = 1'-0"

1 GROUND FLOOR RCP
 3/16" = 1'-0"

Revision Schedule		
#	Description	Date

Bicentennial Barn -
 McCammon Creek
 Park
 6844 Bale Kenyon Rd
 Lewis Center, OH 43035



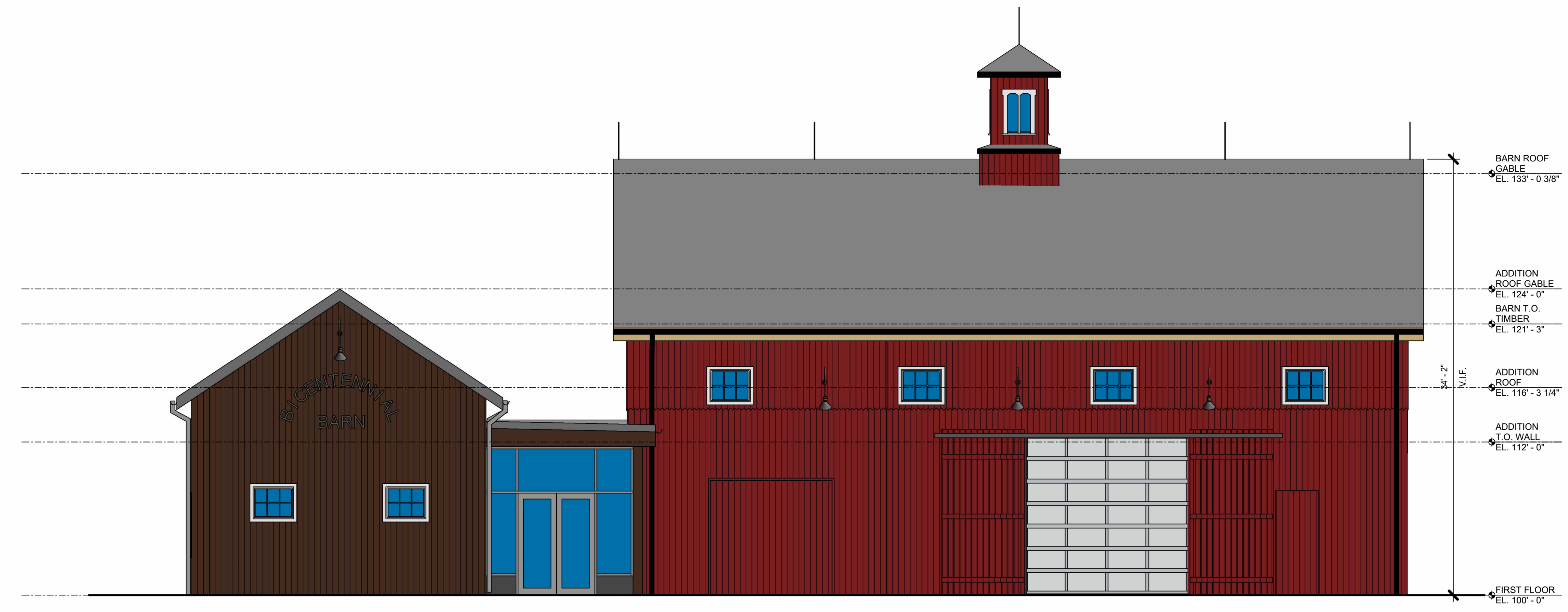
Kalpa Baghasingh, License #1516341
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Overall Exterior
 Elevations

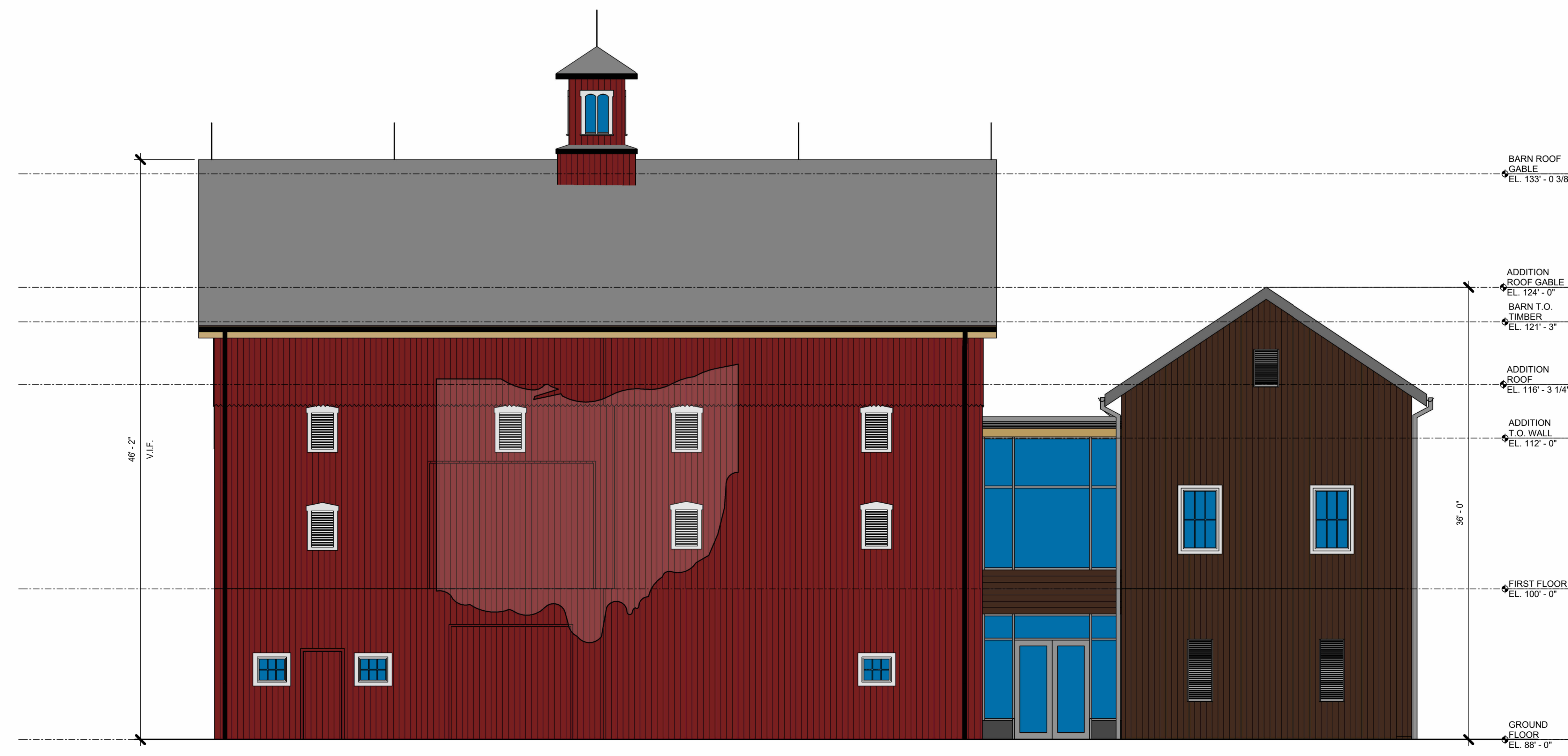
EXTERIOR FINISH LEGEND

Refer to sheet A010 for Construction Assemblies

- BW-1** Wood Barn Siding
 Finish: Painted Barn Red
 Spec: 07 46 23
- BW-2** Wood Barn Siding
 Finish: Painted Barn Red
 Spec: 07 46 23
- AW-1** Engineered Wood Siding
 Finish: Timberland Suede
 Spec: 07 46 23
- AW-2** Engineered Wood Siding
 Finish: Timberland Suede
 Spec: 07 46 23
- CW-1** Wood Barn Siding
 Finish: Painted Barn Red
 Spec: 07 46 23
- CW-2** Engineered Wood Siding
 Finish: Timberland Suede
 Spec: 07 46 23
- CW-3** Concrete Faced Panels
 Finish: Factory Grey Concrete
 Spec: 07 44 00
- CF-1** Concrete Slab
 Finish: Polished + Stained/Sealed
 Spec: 03 30 00 + 09 96 00
- CF-2** Concrete Deck
 Finish: Polished + Stained/Sealed
 Spec: 03 30 00 + 09 96 00
- BR-1** Slate Roof Tiles on Built up Roof
 Style: To match existing
 Spec: 07 31 26
- AR-1** TPO Roof
 Finish: Grey TPO
 Spec: 07 54 00
- AR-2** Metal Roof Panel
 Finish: Slate Grey
 Spec: 07 41 13

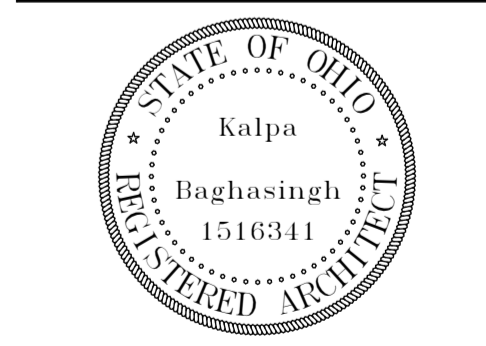


1 OVERALL WEST ELEVATION
 3/16" = 1'-0"



2 OVERALL EAST ELEVATION
 3/16" = 1'-0"

Revision Schedule		
#	Description	Date



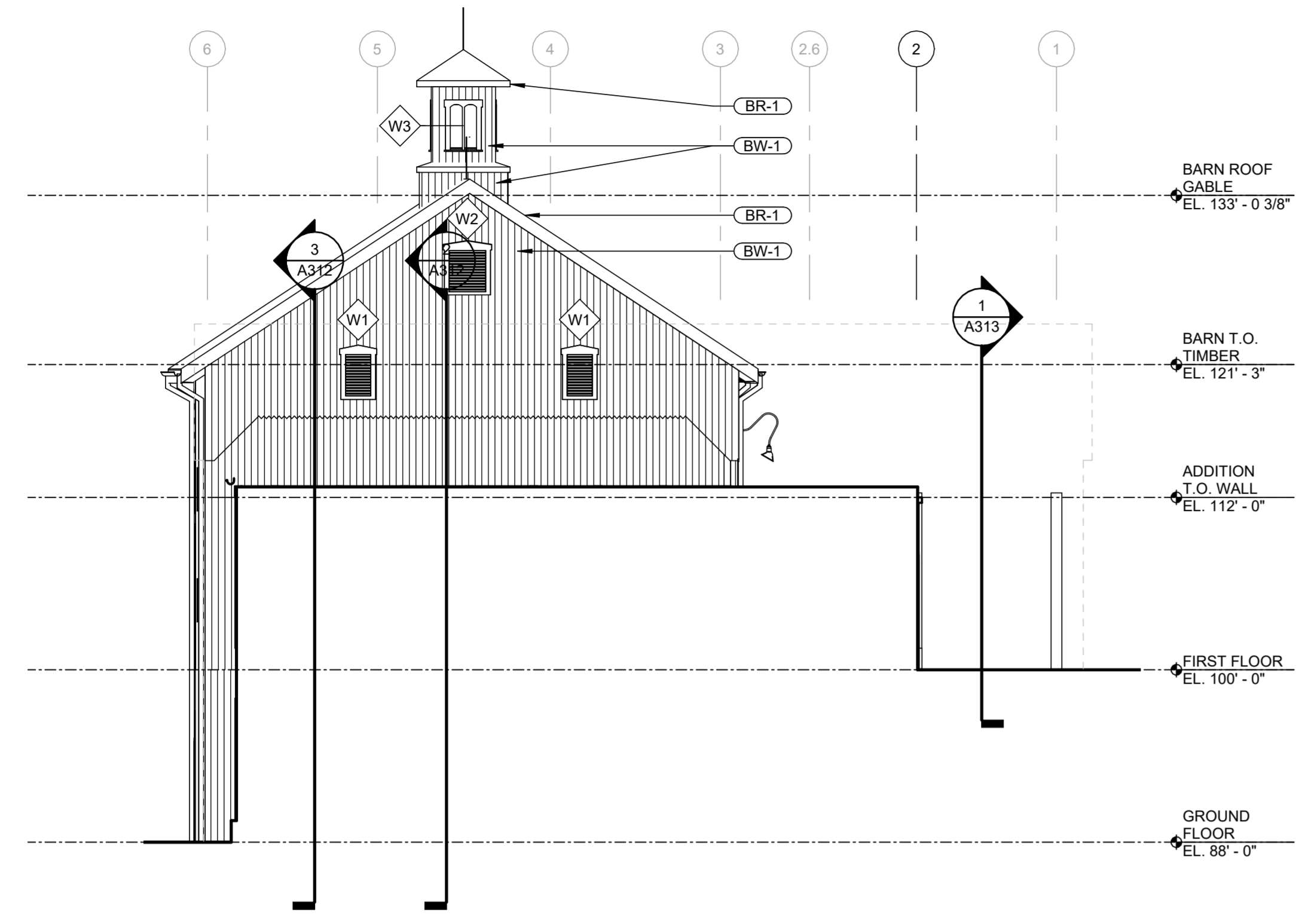
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**Exterior Elevations -
 North and South**

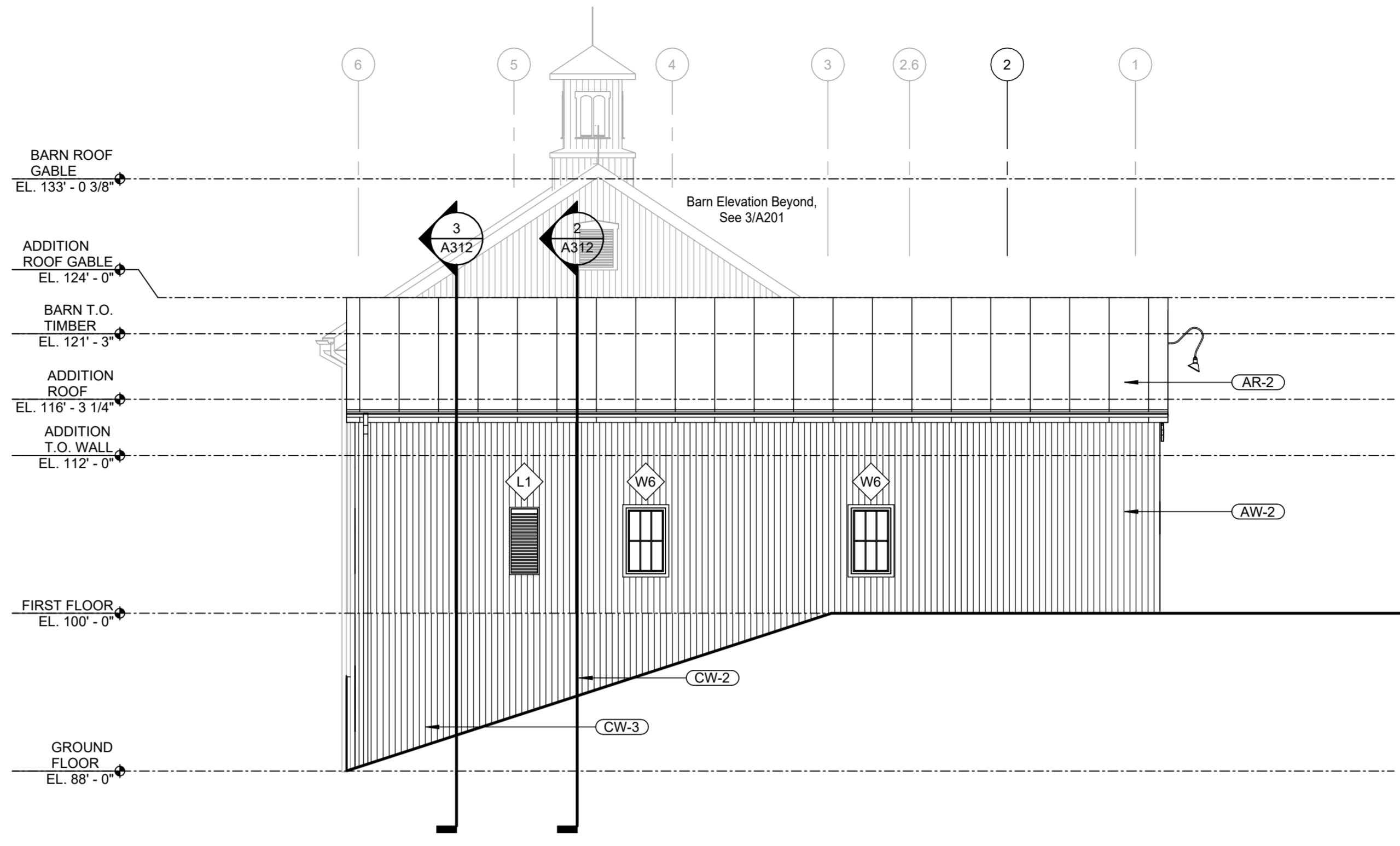
EXTERIOR FINISH LEGEND

• Refer to sheet A010 for Construction Assemblies

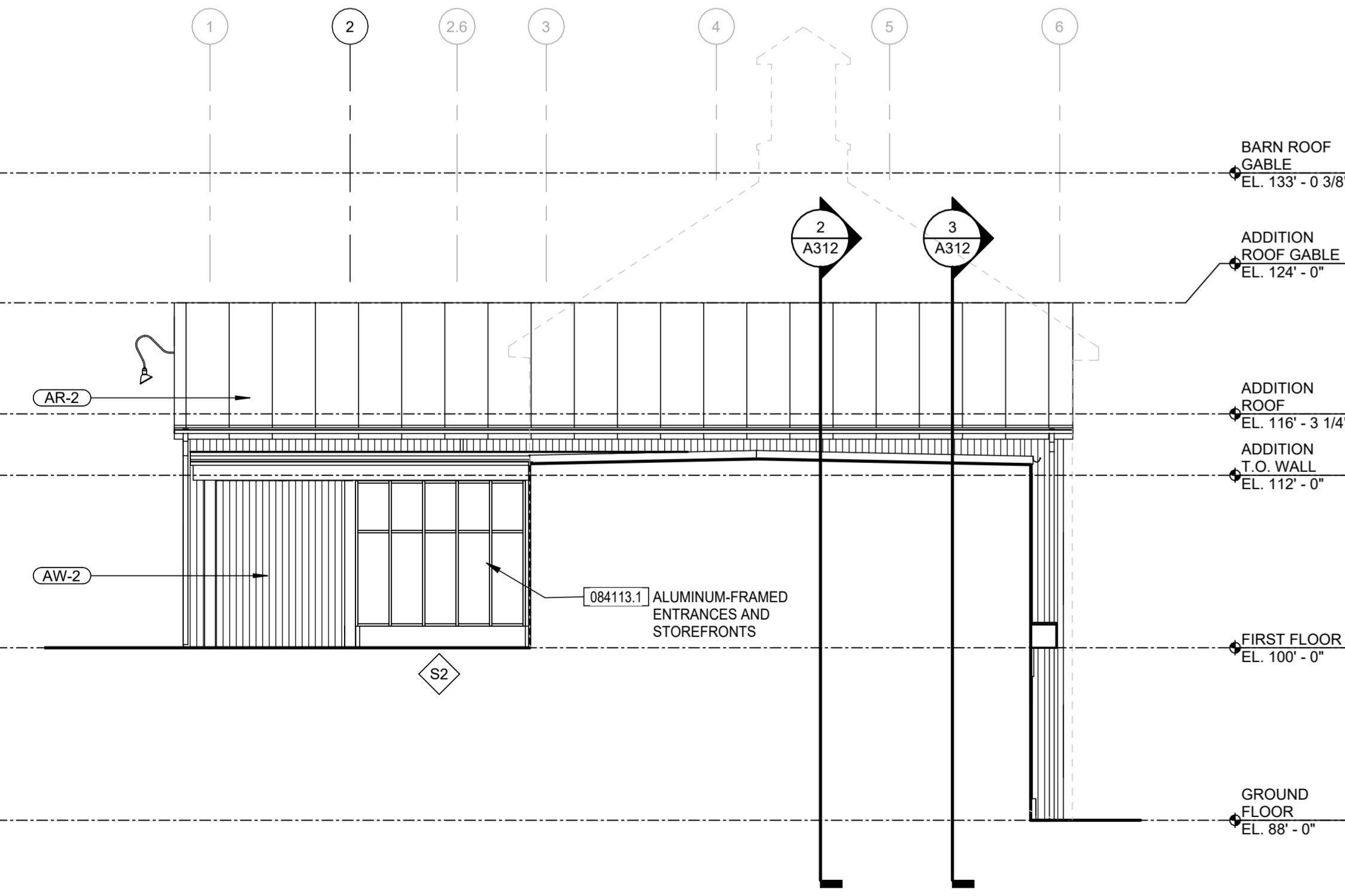
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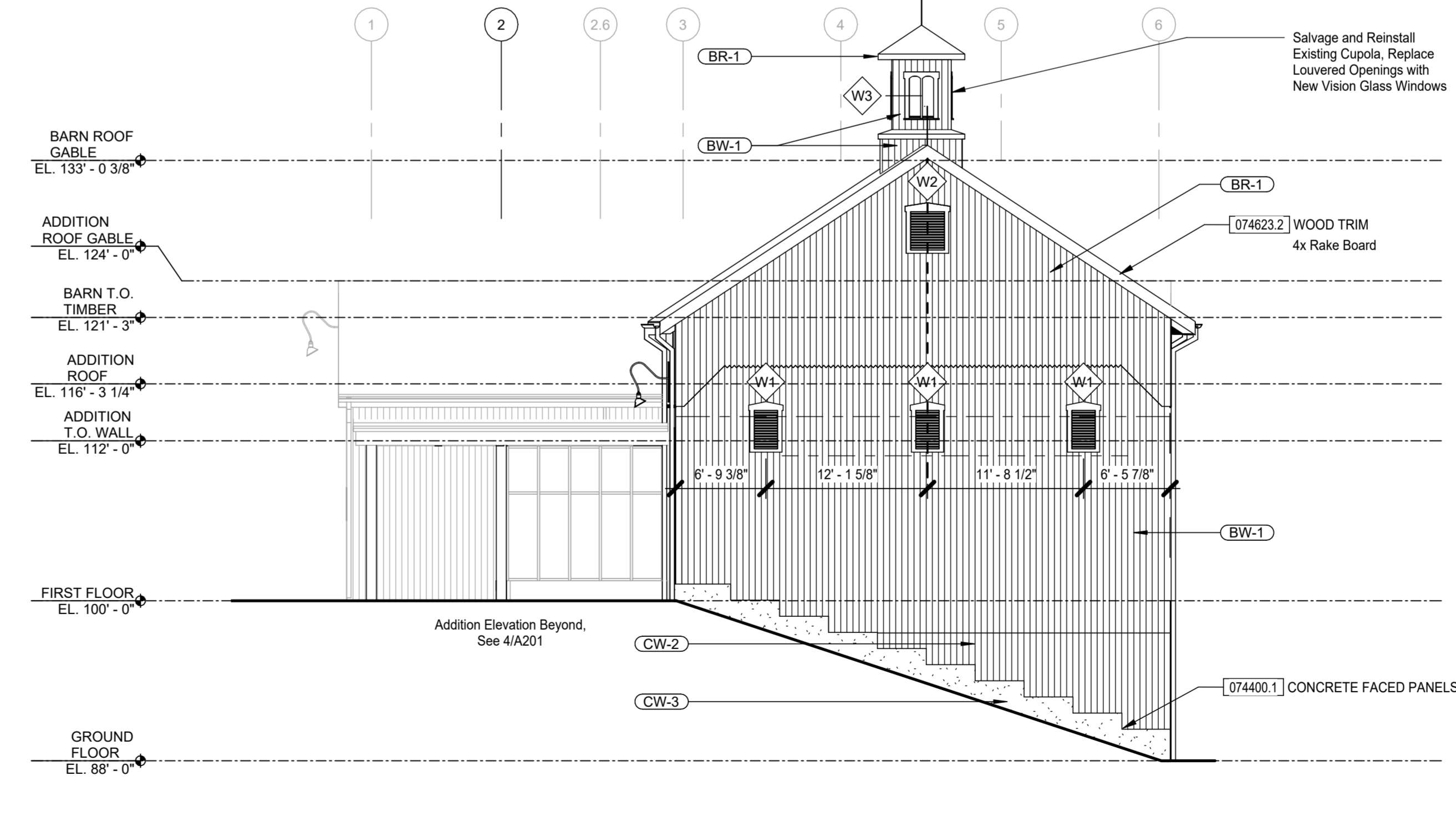
2 NORTH ELEVATION - BARN
 1/8" = 1'-0"



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

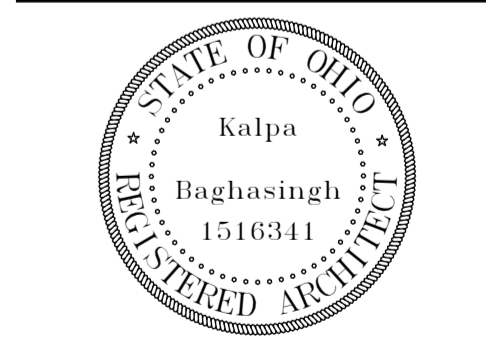


4 SOUTH ELEVATION - ADDITION
 1/8" = 1'-0"



3 SOUTH ELEVATION
 1/8" = 1'-0"

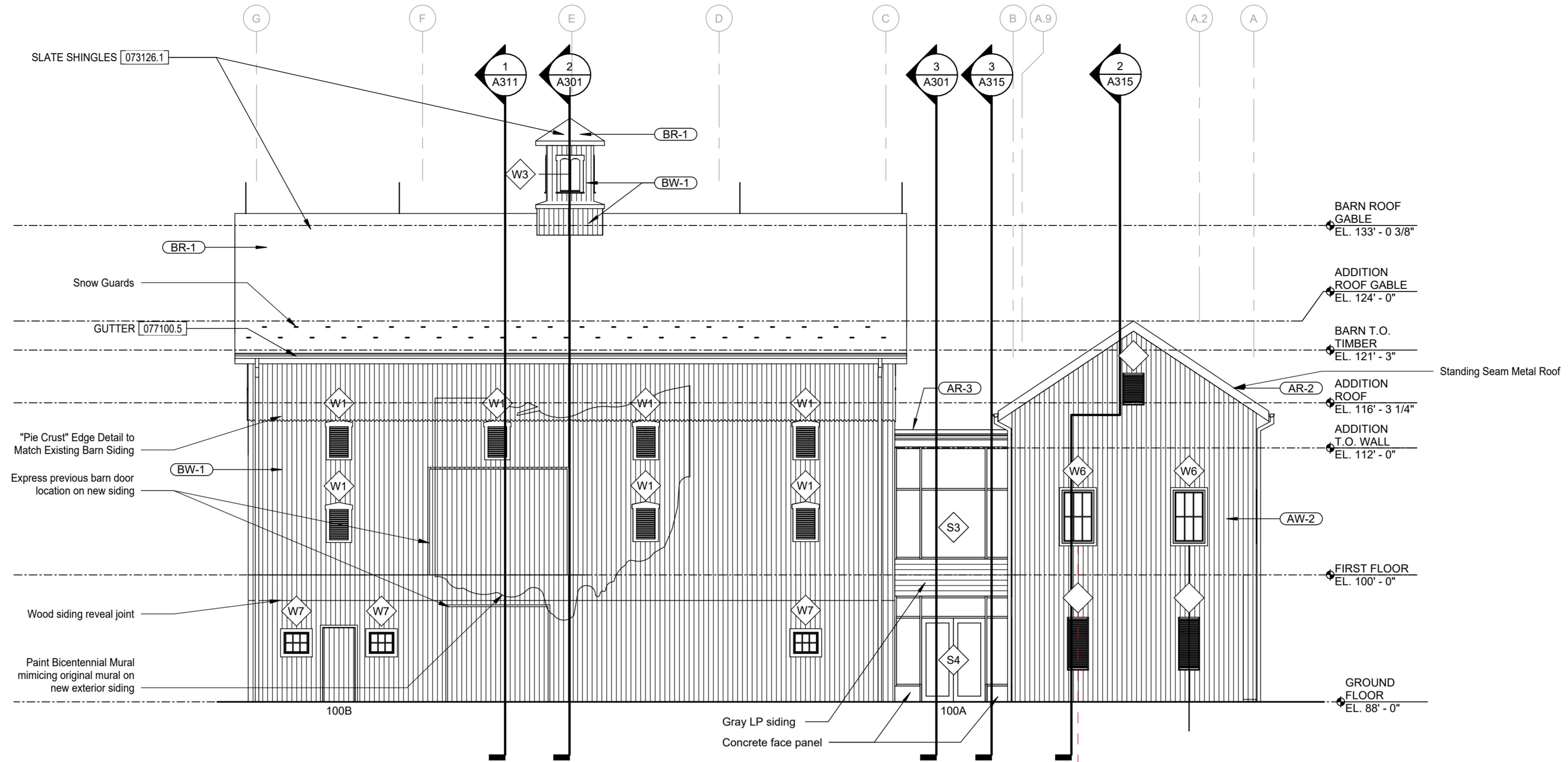
Revision Schedule		
#	Description	Date



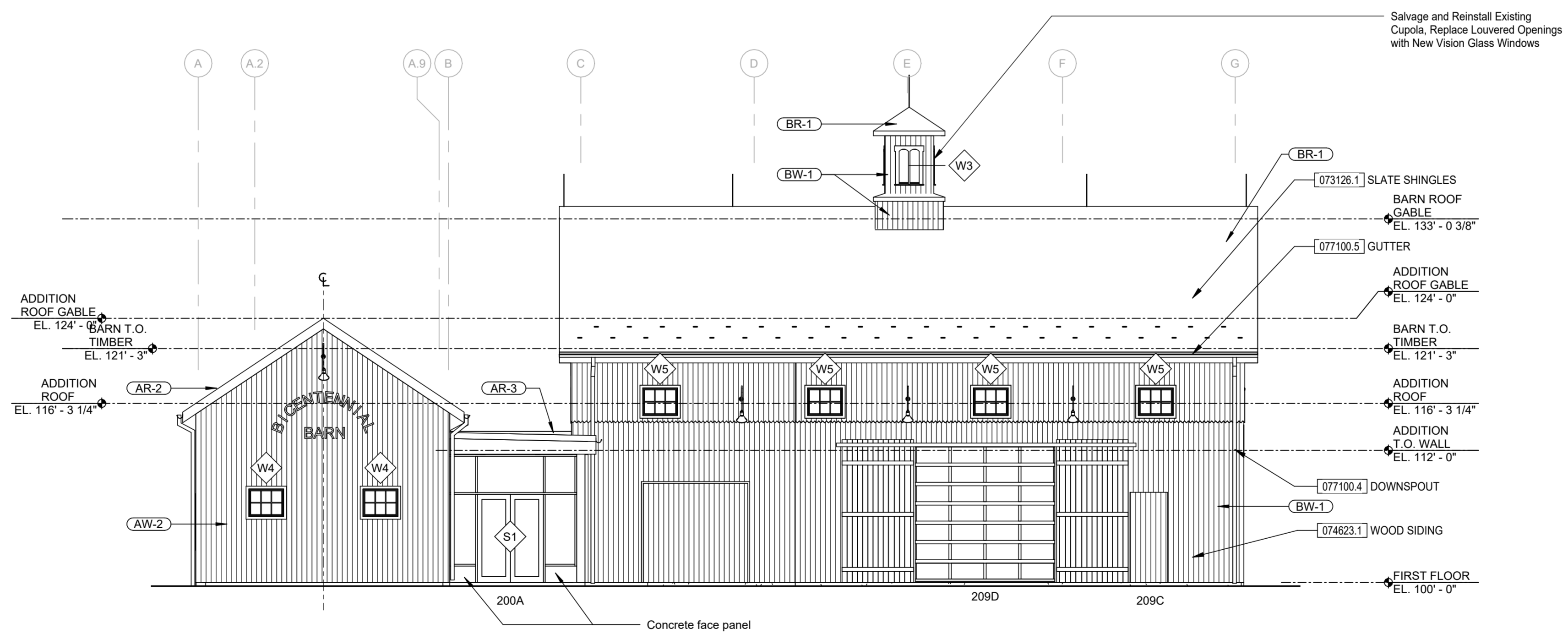
EXTERIOR FINISH LEGEND

Refer to sheet A010 for Construction Assemblies

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 Finish: Polished + Stained/Sealed
 Spec: 03 30 00 + 09 96 00
- BR-1** Slate Roof Tiles on Built up Roof
 Style: To match existing
 Spec: 07 31 26
- AR-1** TPO Roof
 Finish: Grey TPO
 Spec: 07 54 00
- AR-2** Metal Roof Panel
 Finish: Slate Grey
 Spec: 07 41 13



1 EAST ELEVATION
 1/8" = 1'-0"

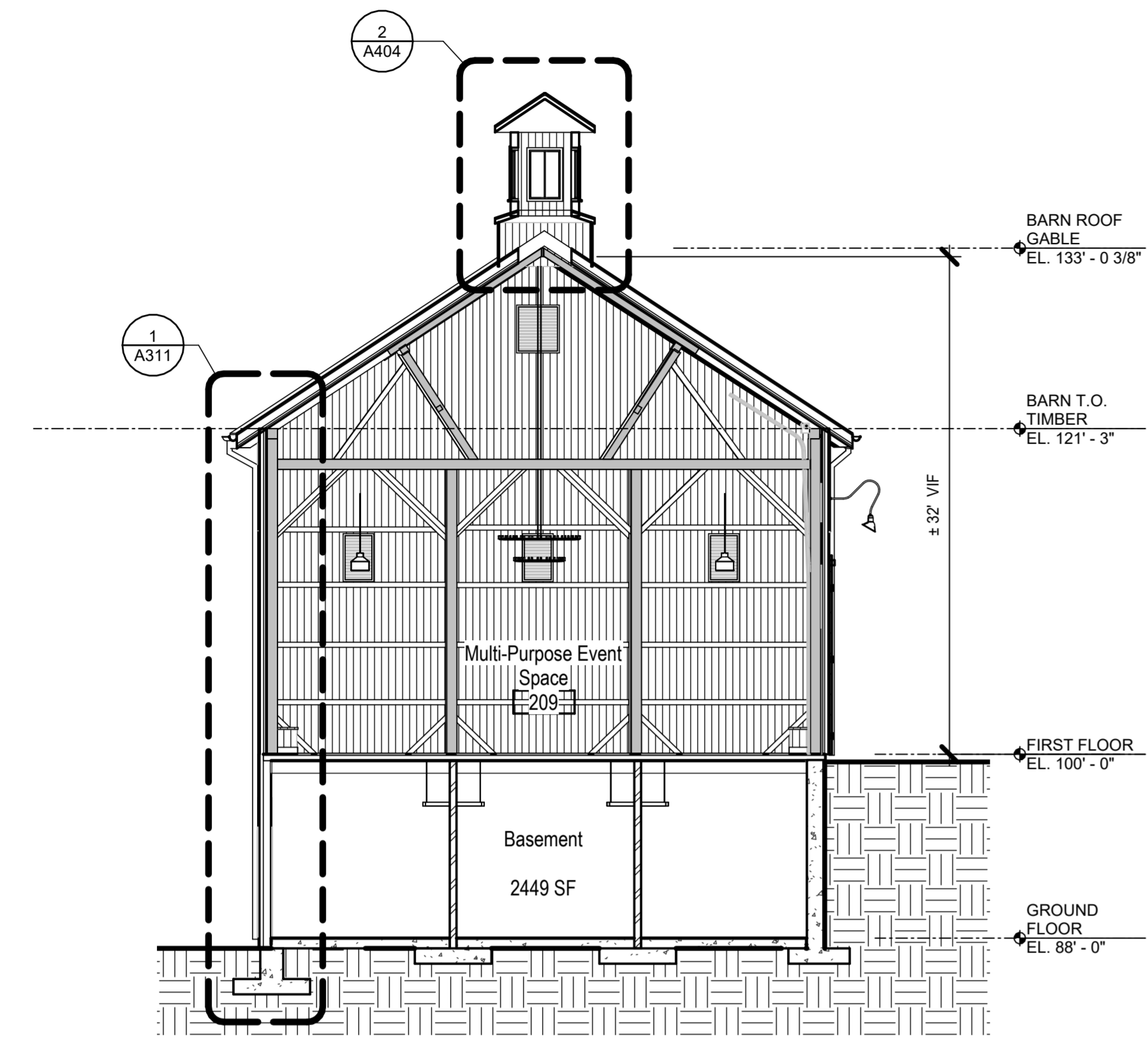


2 WEST ELEVATION
 1/8" = 1'-0"

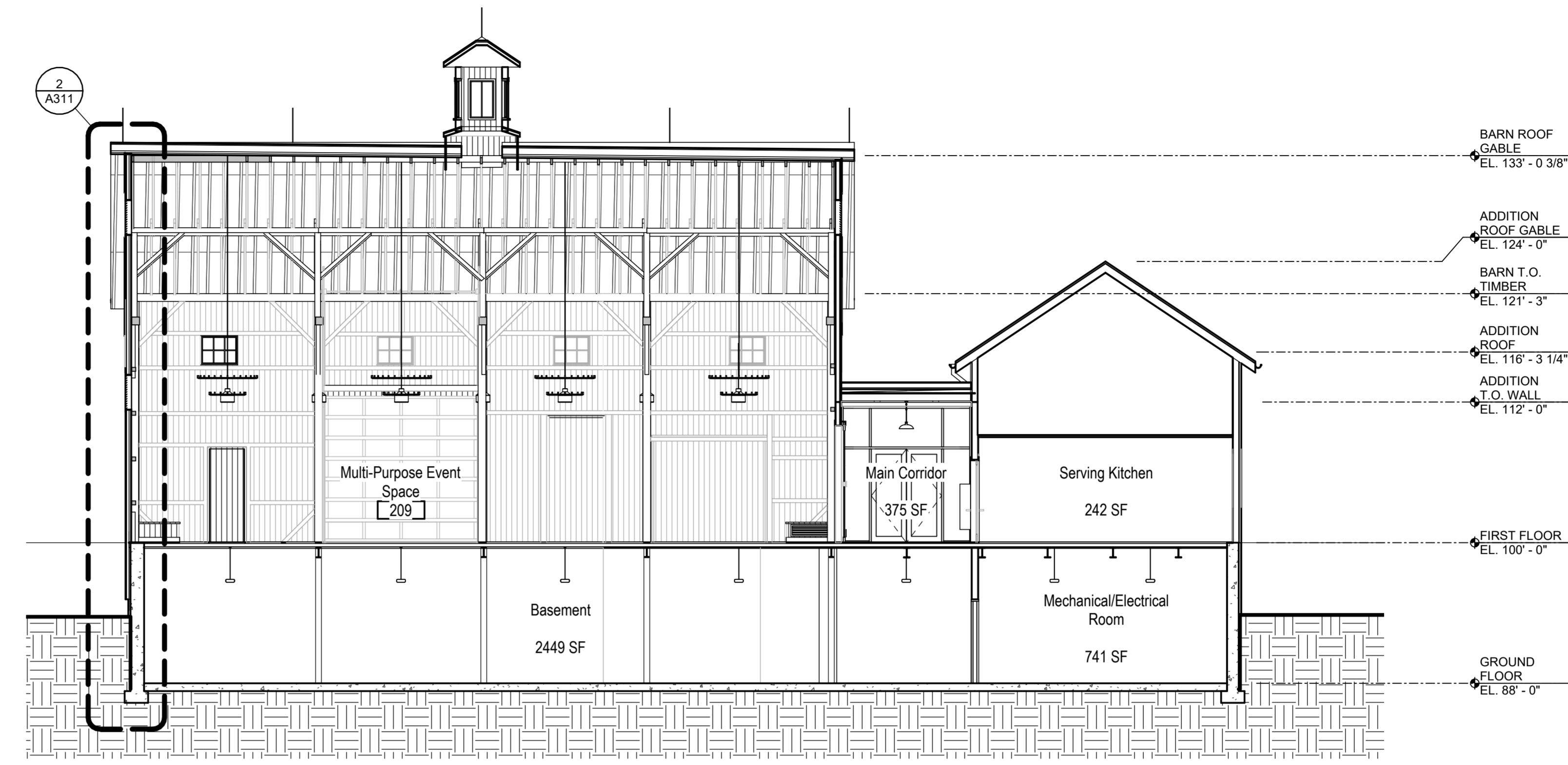
Consultants:
 Civil, Structural & MEPT
 Korda/Nemeth Engineering
 1620 Watermark Drive, Columbus, OH 43215
 614-487-1659
 Barn Consultant
 Mt. Vernon Barn Co.
 7676 Co Rd 19, Fredericktown, OH 43019
 614-634-2049

Drawing Issue Dates:
 Design Development Submittal
 11/17/2023
 50% Construction Documents
 07/19/2024
 90% Construction Documents
 01/15/2025
 Bid Set / Permit Set
 02/14/2025

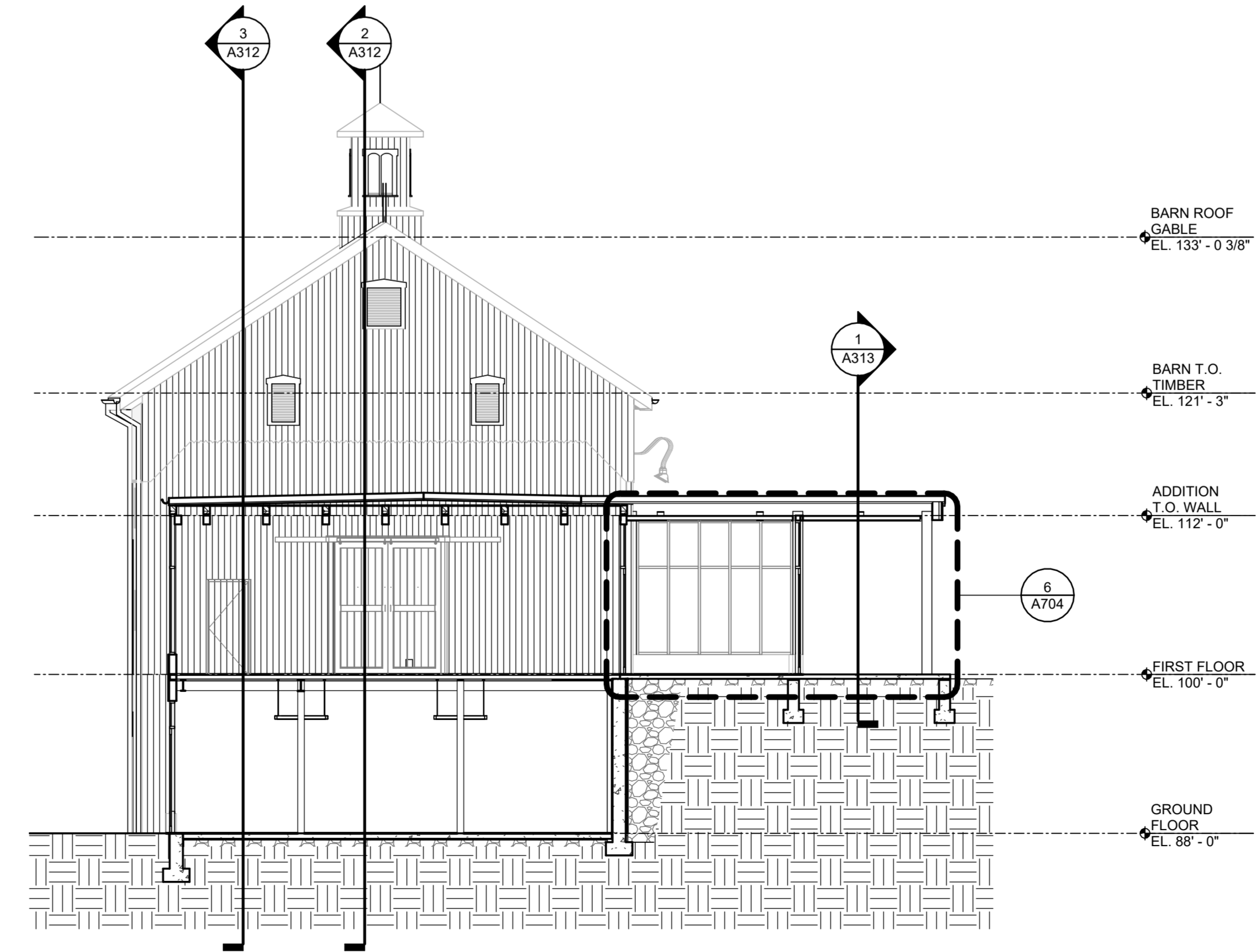
Revision Schedule		
#	Description	Date



2 BUILDING SECTION
 1/8" = 1'-0"



1 BUILDING SECTION
 1/8" = 1'-0"



3 BUILDING SECTION
 1/8" = 1'-0"

**Bicentennial Barn -
 McCammon Creek
 Park**

6844 Bale Kenyon Rd
 Lewis Center, OH 43035



Kalpa Baghasingh, License #1516341
 Expiration Date 12/31/2025

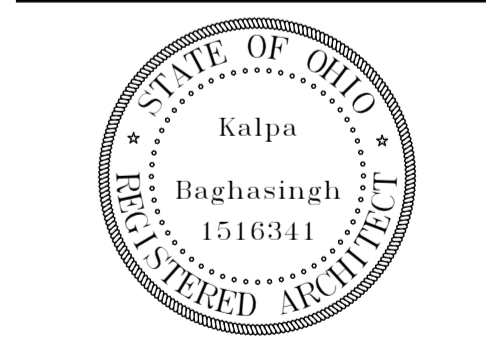
Building Sections

Architectural
A301
 02/14/2025
 23070

Revision Schedule		
#	Description	Date

**Bicentennial Barn -
 McCammon Creek
 Park**

6844 Bale Kenyon Rd
 Lewis Center, OH 43035



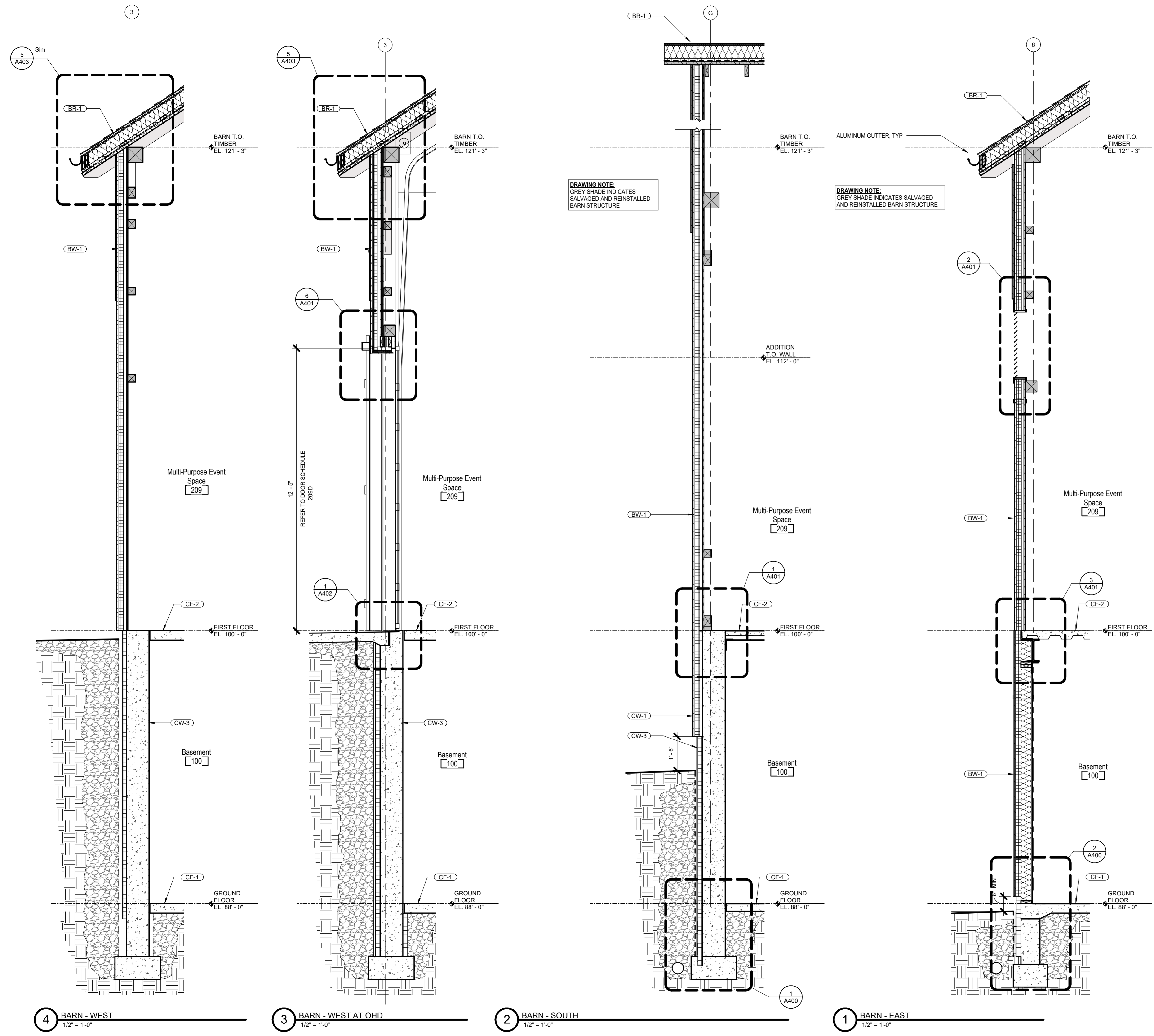
Kalpa Baghasingh, License #1516341
 Expiration Date 12/31/2025

Wall Sections

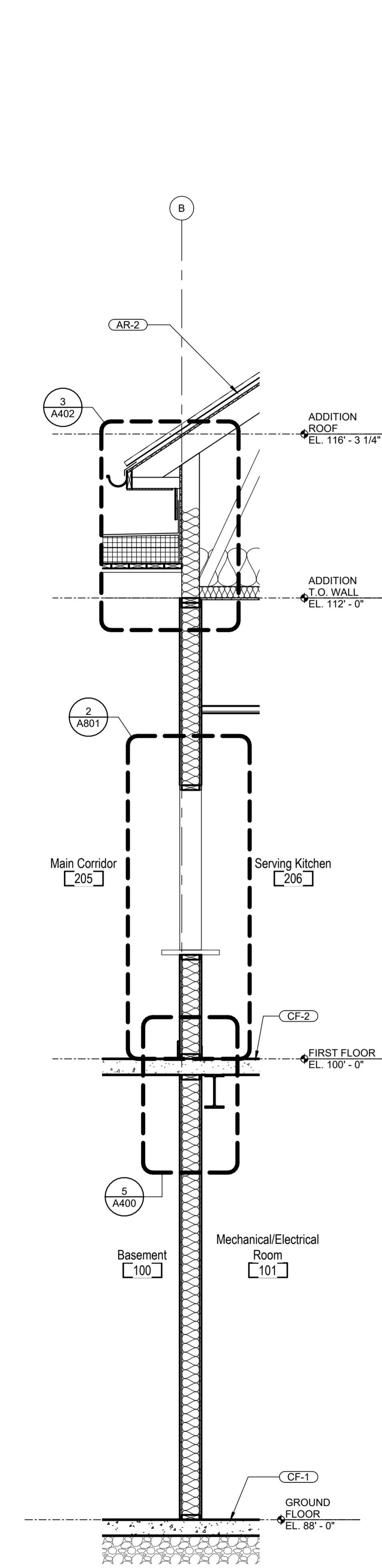
EXTERIOR FINISH LEGEND

• Refer to sheet A010 for Construction Assemblies

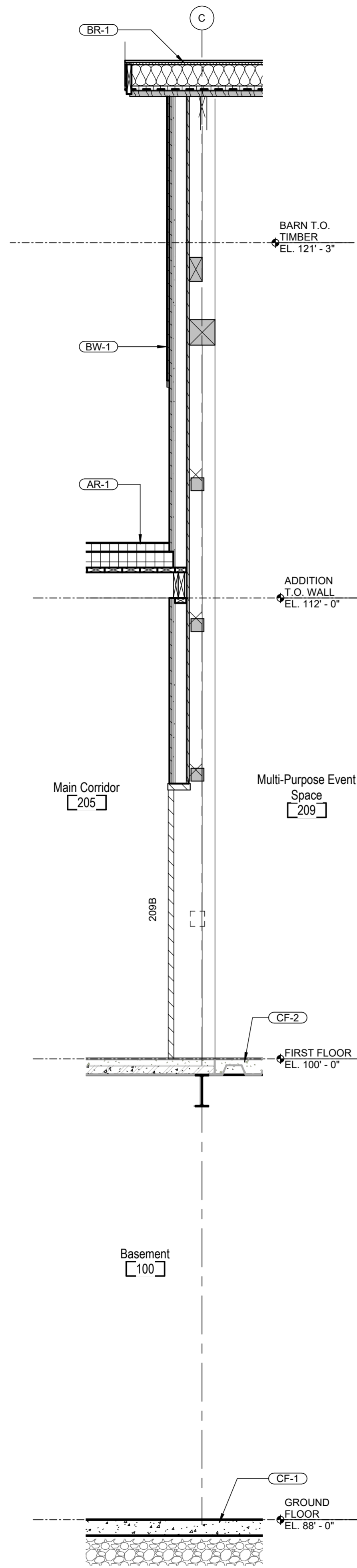
- (BW-1)** Wood Barn Siding
 Finish: Painted Barn Red
 Spec: 07 46 23
- (BW-2)** Wood Barn Siding
 Finish: Painted Barn Red
 Spec: 07 46 23
- (AW-1)** Engineered Wood Siding
 Finish: Timberland Suede
 Spec: 07 46 23
- (AW-2)** Engineered Wood Siding
 Finish: Timberland Suede
 Spec: 07 46 23
- (CW-1)** Wood Barn Siding
 Finish: Painted Barn Red
 Spec: 07 46 23
- (CW-2)** Engineered Wood Siding
 Finish: Timberland Suede
 Spec: 07 46 23
- (CW-3)** Concrete Faced Panels
 Finish: Factory Grey Concrete
 Spec: 07 44 00
- (CF-1)** Concrete Slab
 Finish: Polished + Stained/Sealed
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- (CF-2)** Concrete Deck
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- (AR-1)** TPO Roof
 Finish: Grey TPO
 Spec: 07 54 00
- (AR-2)** Metal Roof Panel
 Finish: Slate Grey
 Spec: 07 41 13



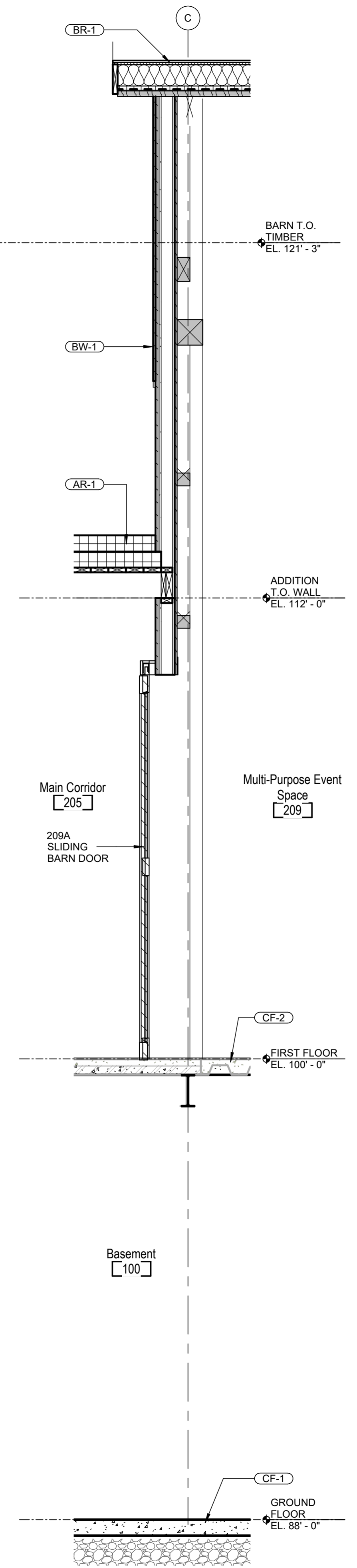
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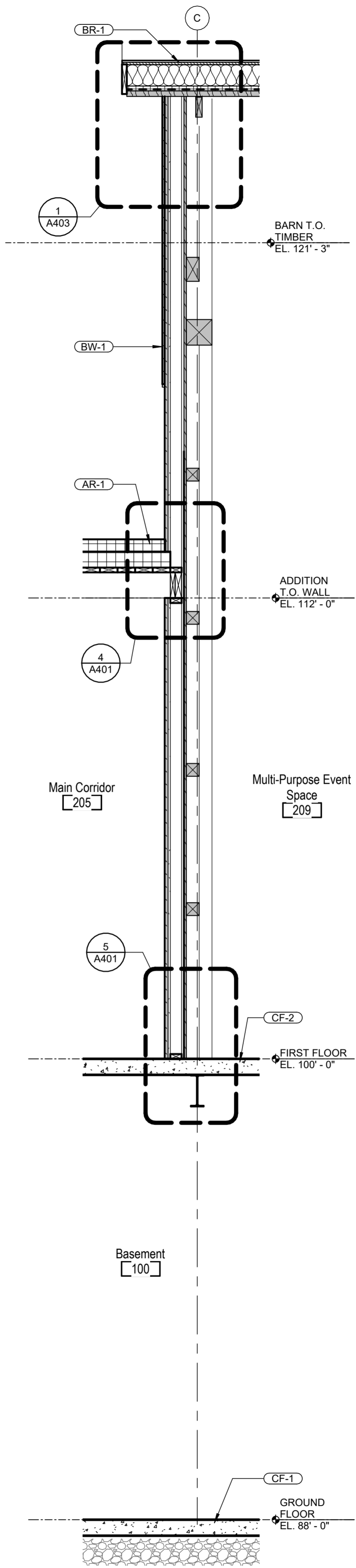
4 ADDITION - SOUTH SERVING WINDOW
1/2" = 1'-0"



3 BARN - NORTH AT SWINGING DOOR
1/2" = 1'-0"



2 BARN - NORTH AT SLIDING BARN DOOR
1/2" = 1'-0"



1 BARN - NORTH WALL
1/2" = 1'-0"

EXTERIOR FINISH LEGEND

• Refer to sheet A010 for Construction Assemblies

- BW-1** Wood Barn Siding
Finish: Painted Barn Red
Spec: 07 46 23
- BW-2** Wood Barn Siding
Finish: Painted Barn Red
Spec: 07 46 23
- AW-1** Engineered Wood Siding
Finish: Timberland Suede
Spec: 07 46 23
- AW-2** Engineered Wood Siding
Finish: Timberland Suede
Spec: 07 46 23
- CW-1** Wood Barn Siding
Finish: Painted Barn Red
Spec: 07 46 23
- CW-2** Engineered Wood Siding
Finish: Timberland Suede
Spec: 07 46 23
- CW-3** Concrete Faced Panels
Finish: Factory Grey Concrete
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Spec: 07 54 00
- AR-2** Metal Roof Panel
Finish: Slate Grey
Spec: 07 41 13



ARCHITECTURE. INSPIRED.
300 Marconi Boulevard T 614-628-0300
Columbus OH 43215 F 614-628-0311
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Korda/Nemeth Engineering
1620 Watermark Drive, Columbus, OH 43215
614-487-1650
Barn Consultant
Mt. Vernon Barn Co.
7676 Co Rd 19, Fredericktown, OH 43019
614.634.2049

Drawing Issue Dates:
Design Development Submittal
11/17/2023
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07/19/2024
90% Construction Documents
01/15/2025
Bid Set / Permit Set
02/14/2025

Revision Schedule		
#	Description	Date

Bicentennial Barn -
McCammon Creek
Park
6844 Bale Kenyon Rd
Lewis Center, OH 43035



Kalpa Baghasingh, License #1516341
Expiration Date 12/31/2025

Wall Sections

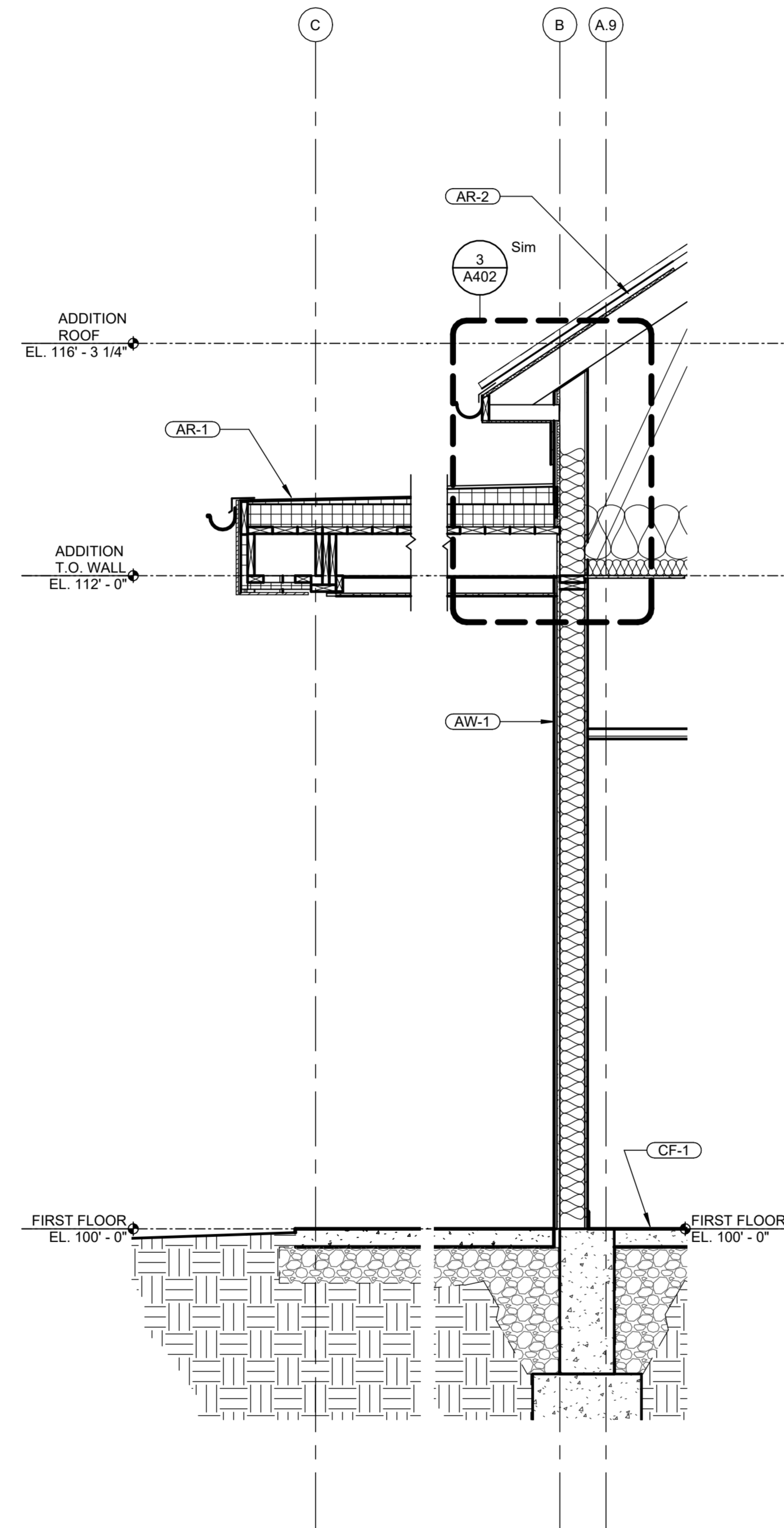
A312

02/14/2025
23070

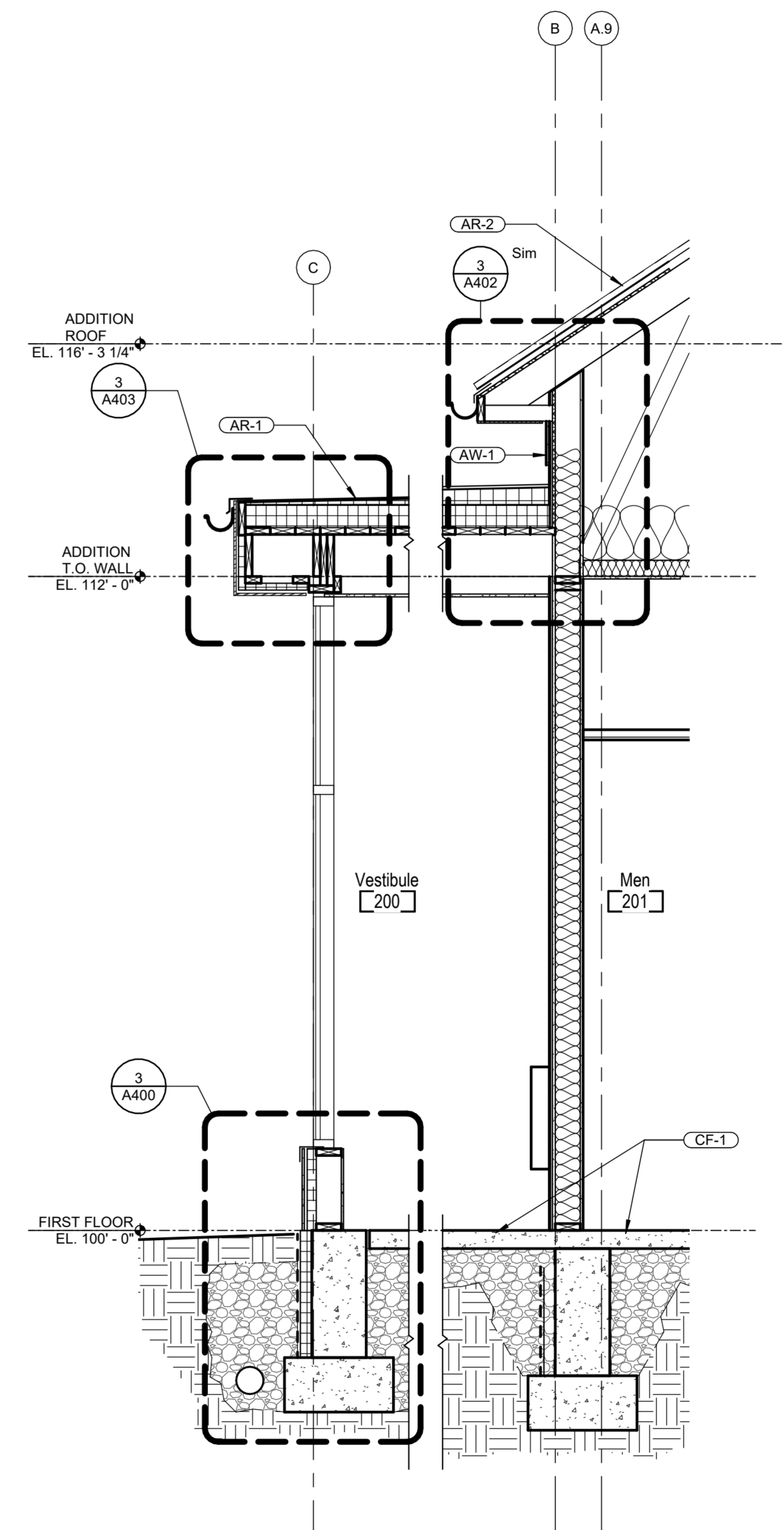
EXTERIOR FINISH LEGEND

• Refer to sheet A010 for Construction Assemblies

- BW-1** Wood Barn Siding
Finish: Painted Barn Red
Spec: 07 46 23
- BW-2** Wood Barn Siding
Finish: Painted Barn Red
Spec: 07 46 23
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Spec: 07 54 00
- AR-2** Metal Roof Panel
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Spec: 07 41 13



1 ADDITION ENTRANCE CANOPY
1/2" = 1'-0"



2 ADDITION VESTIBULE STOREFRONT SOUTH
1/2" = 1'-0"



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Revision Schedule		
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Bicentennial Barn -
McCammon Creek
Park

6844 Bale Kenyon Rd
Lewis Center, OH 43035



Kalpa Baghasingh, License #1516341
Expiration Date 12/31/2025

Wall Sections

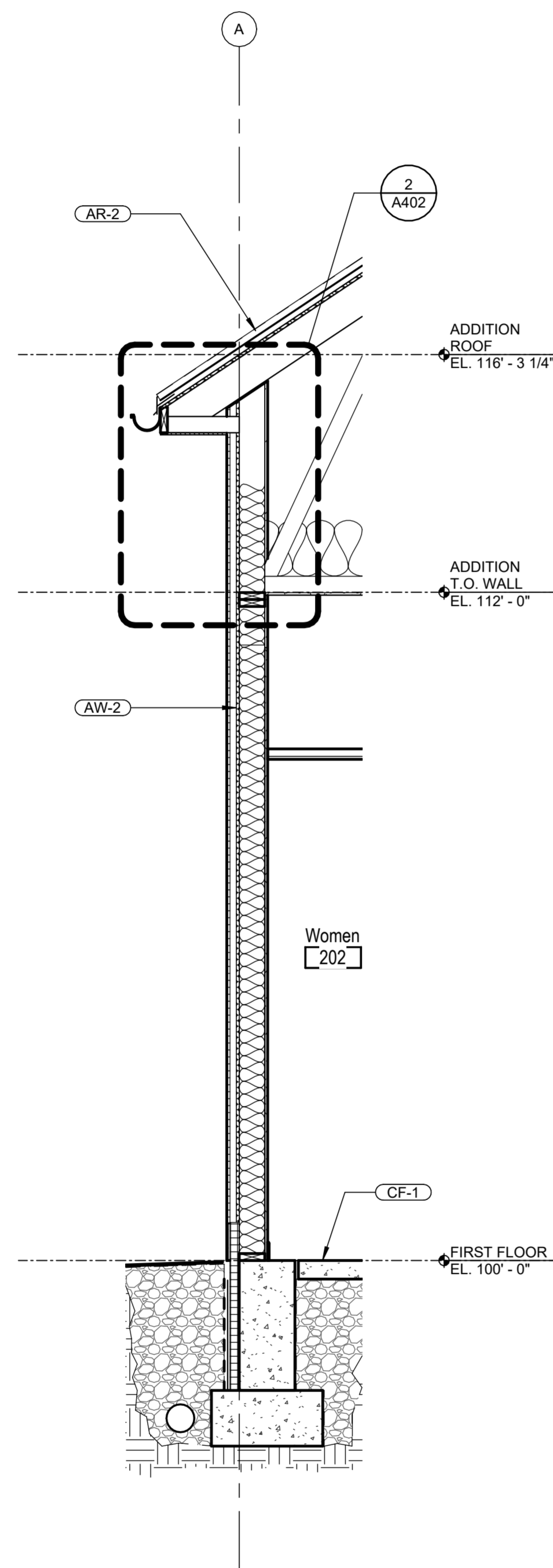
A313

02/14/2025
23070

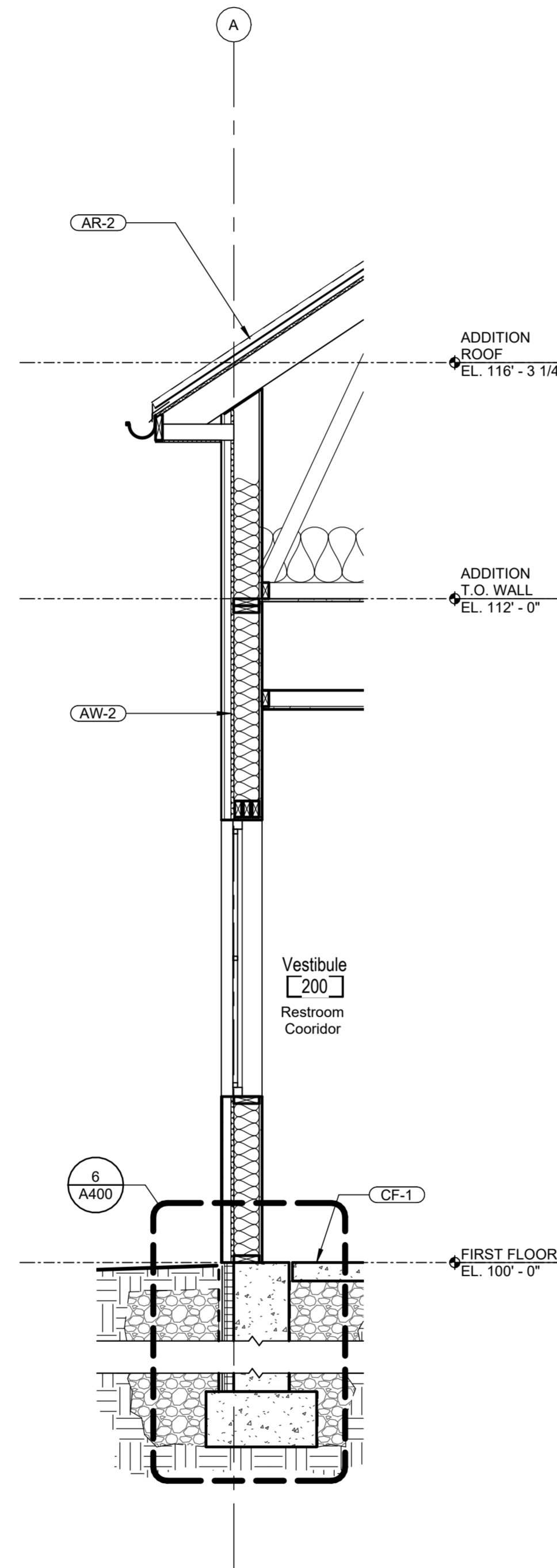
EXTERIOR FINISH LEGEND

• Refer to sheet A010 for Construction Assemblies

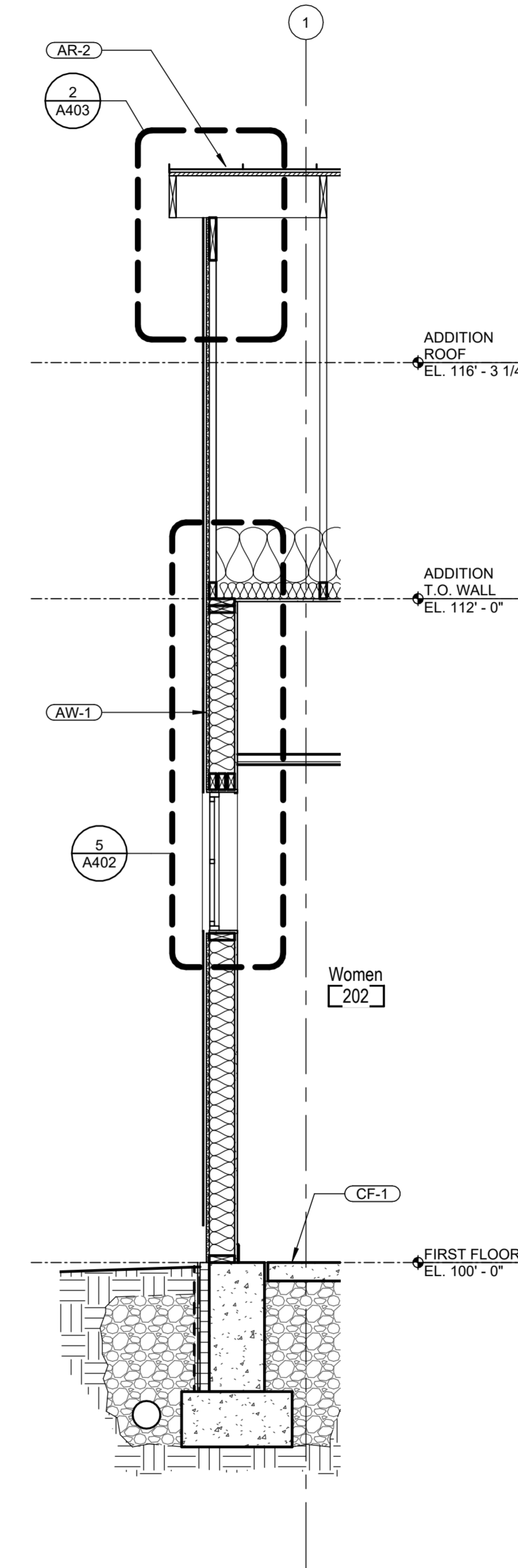
- (BW-1)** Wood Barn Siding
Finish: Painted Barn Red
Spec: 07 46 23
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Spec: 07 46 23
- (AW-1)** Engineered Wood Siding
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Spec: 07 54 00
- (AR-2)** Metal Roof Panel
Finish: Slate Grey
Spec: 07 41 13



3 ADDITION NORTH
1/2" = 1'-0"



2 ADDITION - NORTH RESTROOM CORRIDOR
1/2" = 1'-0"



1 ADDITION - WEST
1/2" = 1'-0"



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Consultants:
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Korda/Nemeth Engineering
1650 Watermark Drive, Columbus, OH 43215
614-487-1650
Barn Consultant
Mt. Vernon Barn Co.
7676 Co Rd 15, Fredericktown, OH 43019
614.634.2049

Drawing Issue Dates:
Design Development Submittal
11/17/2023
50% Construction Documents
07/19/2024
90% Construction Documents
01/15/2025
Bid Set / Permit Set
02/14/2025

Revision Schedule		
#	Description	Date

Bicentennial Barn -
McCammon Creek
Park

6844 Bale Kenyon Rd
Lewis Center, OH 43035



Kalpa Baghasingh, License #1516341
Expiration Date 12/31/2025

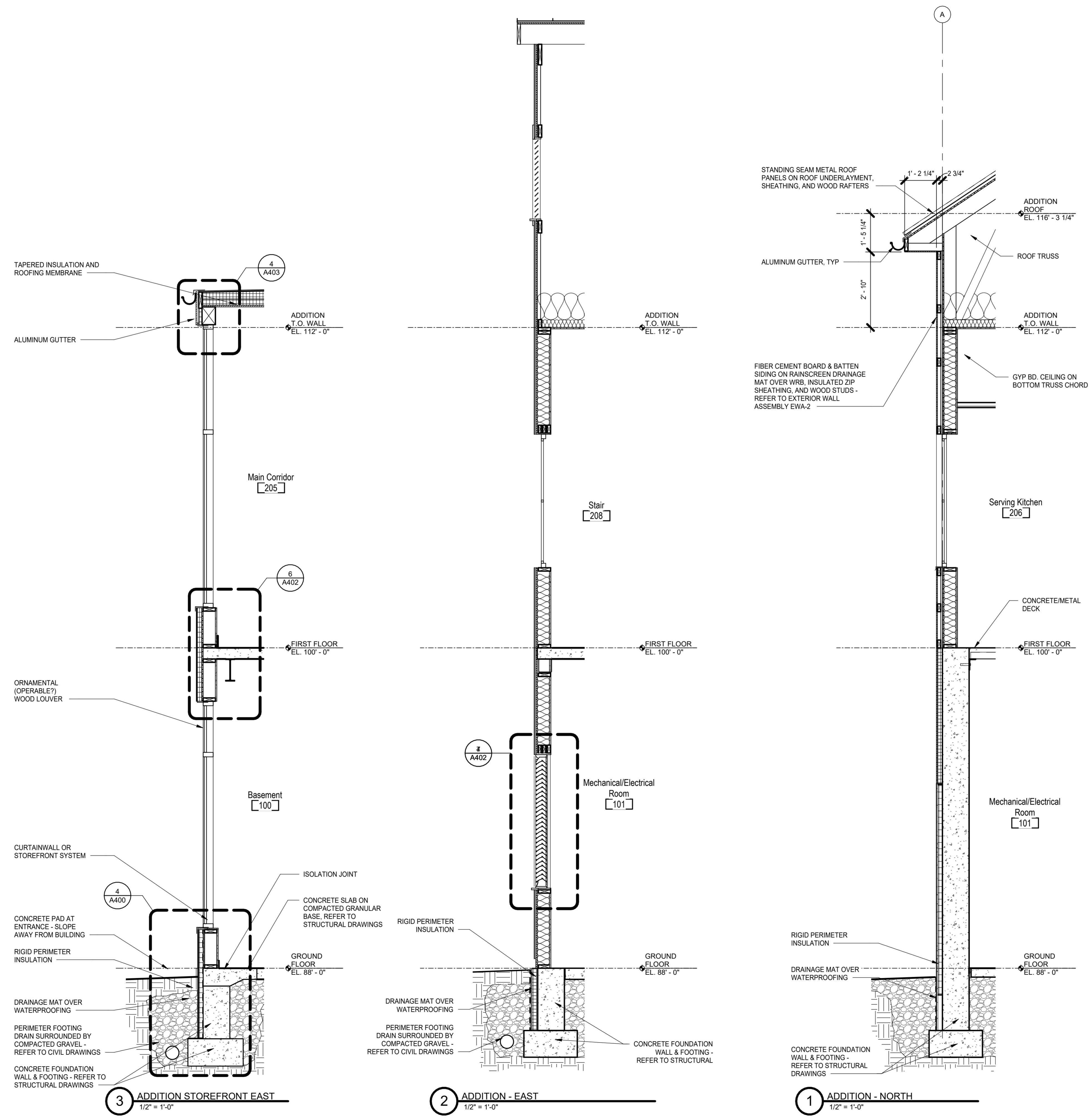
Wall Sections

A314
02/14/2025
23070

EXTERIOR FINISH LEGEND

Refer to sheet A010 for Construction Assemblies

- BW-1** Wood Barn Siding
Finish: Painted Barn Red
Spec: 07 46 23
- BW-2** Wood Barn Siding
Finish: Painted Barn Red
Spec: 07 46 23
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Columbus OH 43215 F 614-628-0311
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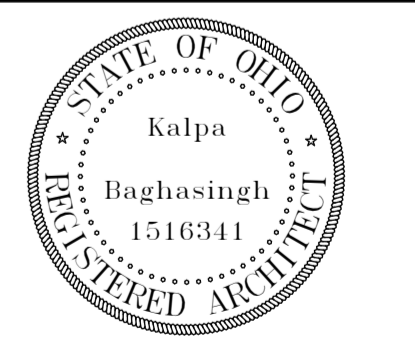
Consultants:
Civil, Structural & MEPT
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1620 Watermark Drive, Columbus, OH 43215
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Revision Schedule		
#	Description	Date

Bicentennial Barn - McCammon Creek Park

6844 Bale Kenyon Rd
Lewis Center, OH 43035



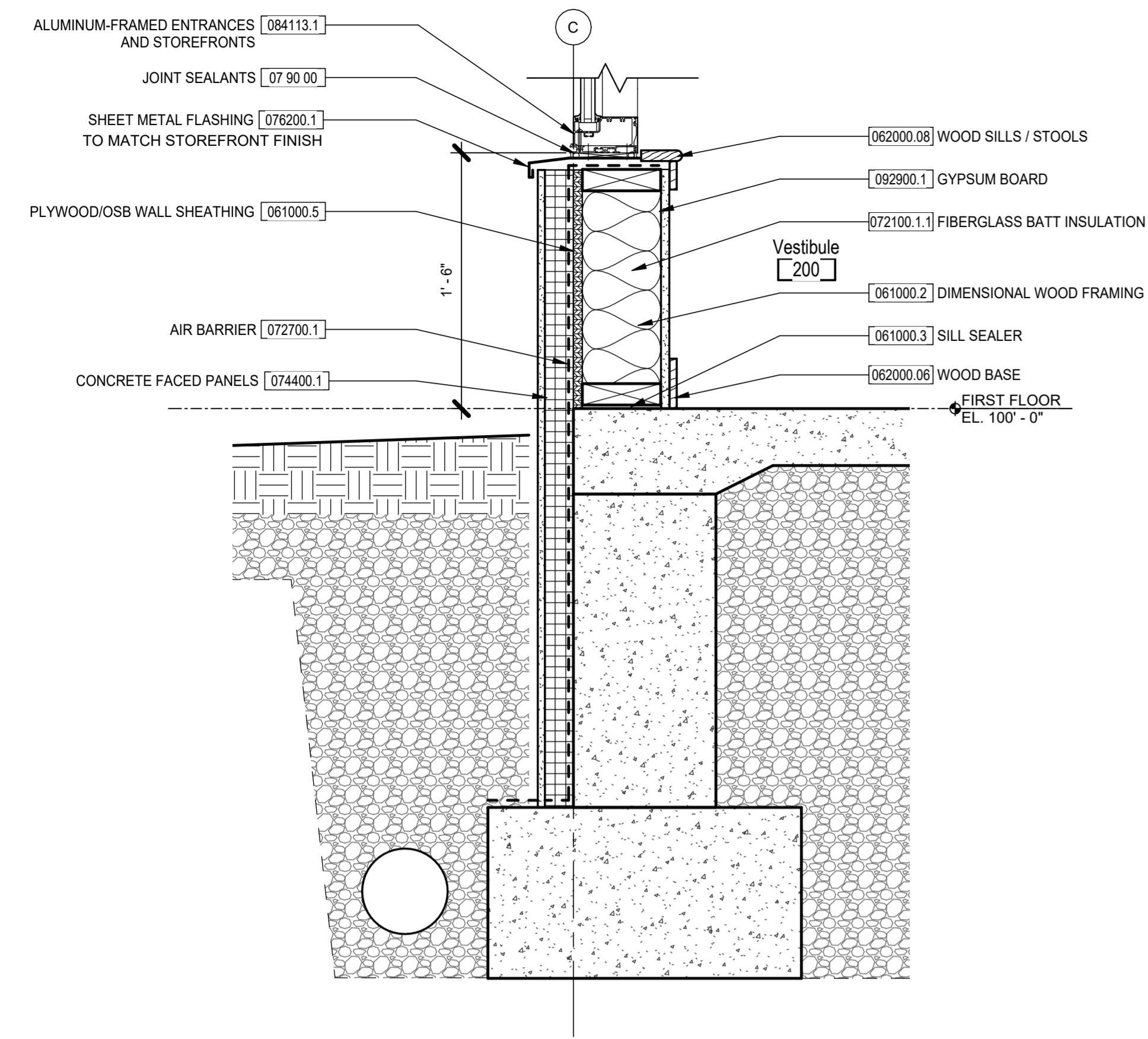
Kalpa Baghasingh, License #1516341
Expiration Date 12/31/2025

Wall Sections

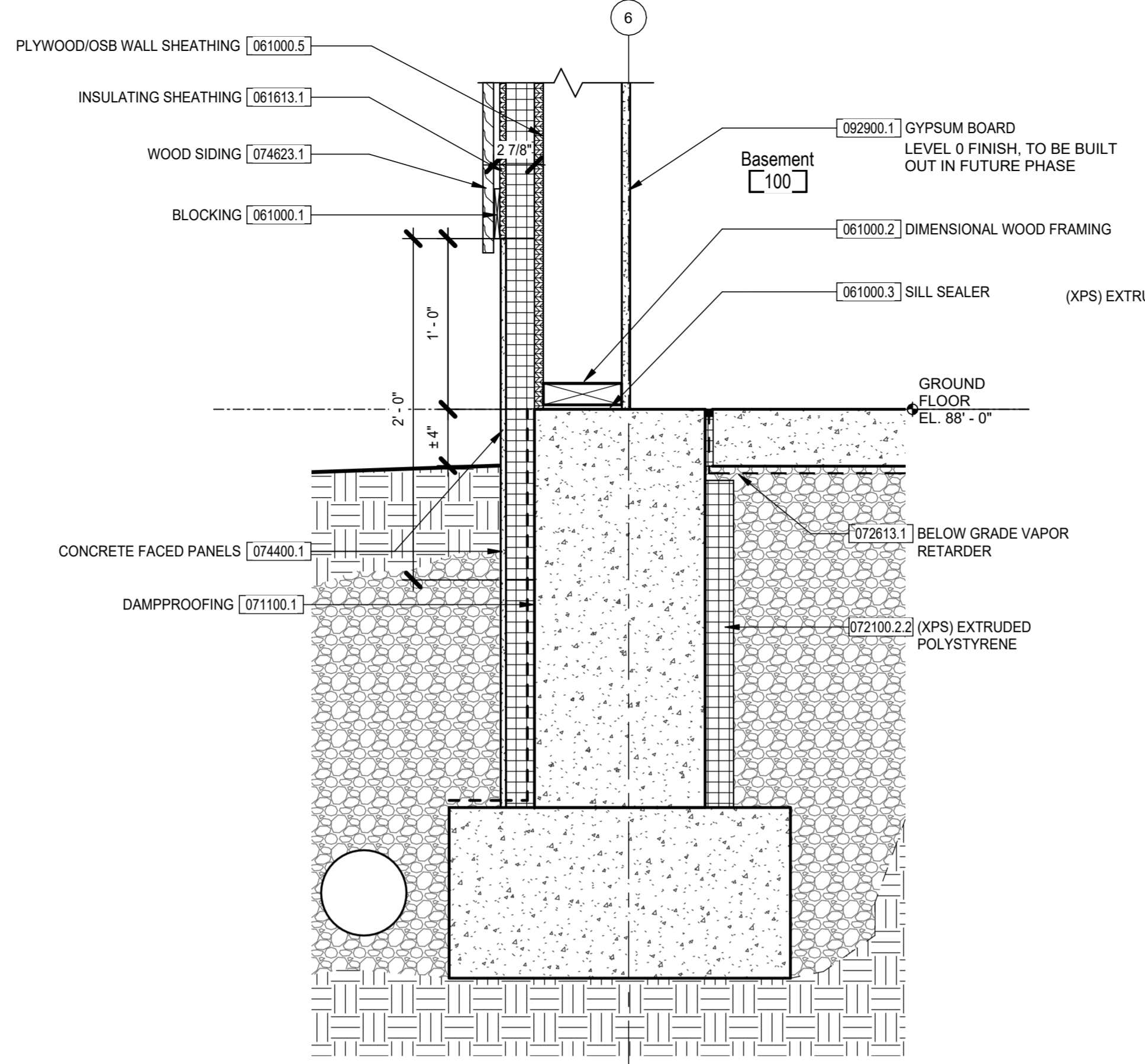
A315

02/14/2025
23070

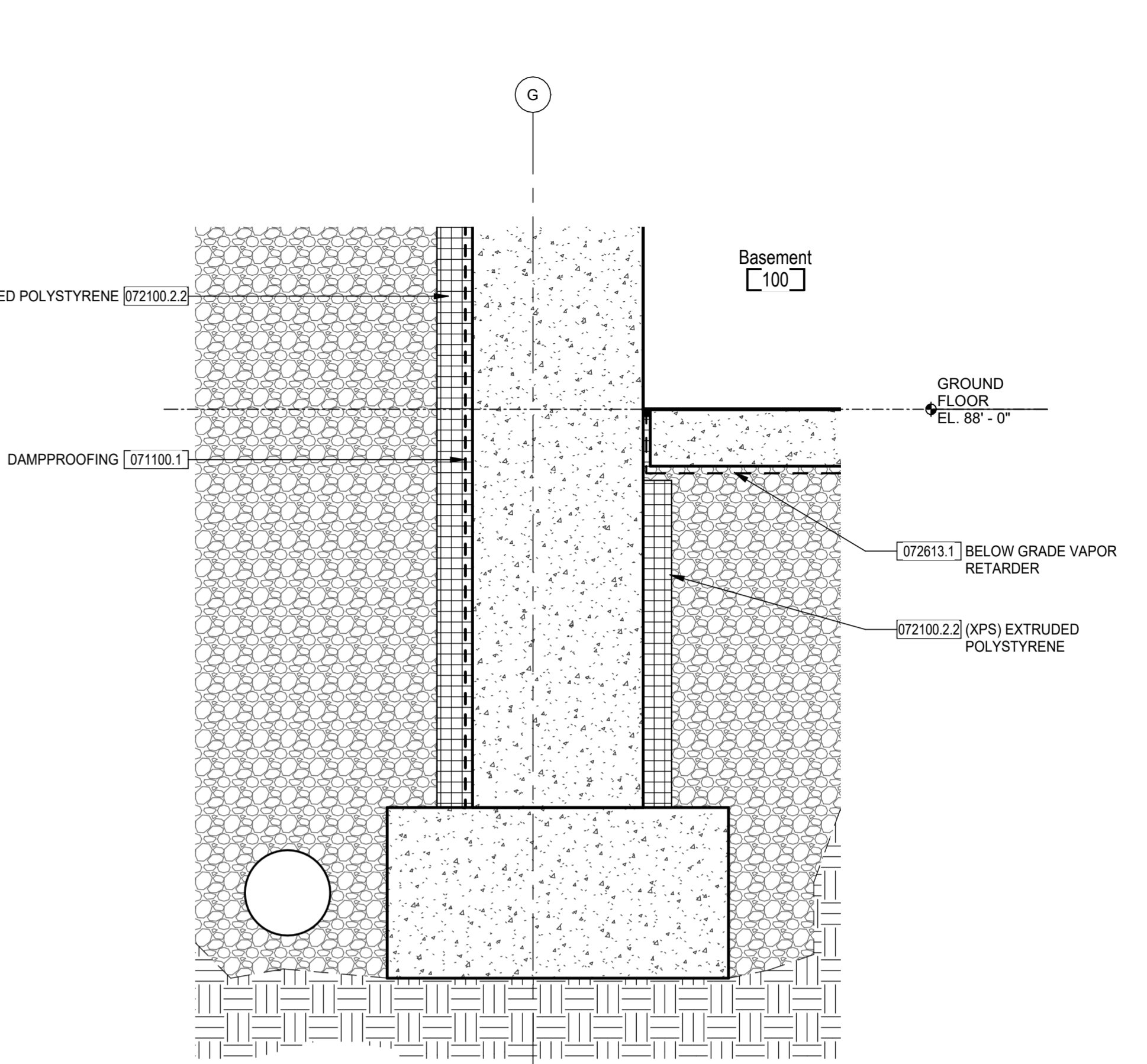
Revision Schedule		
#	Description	Date



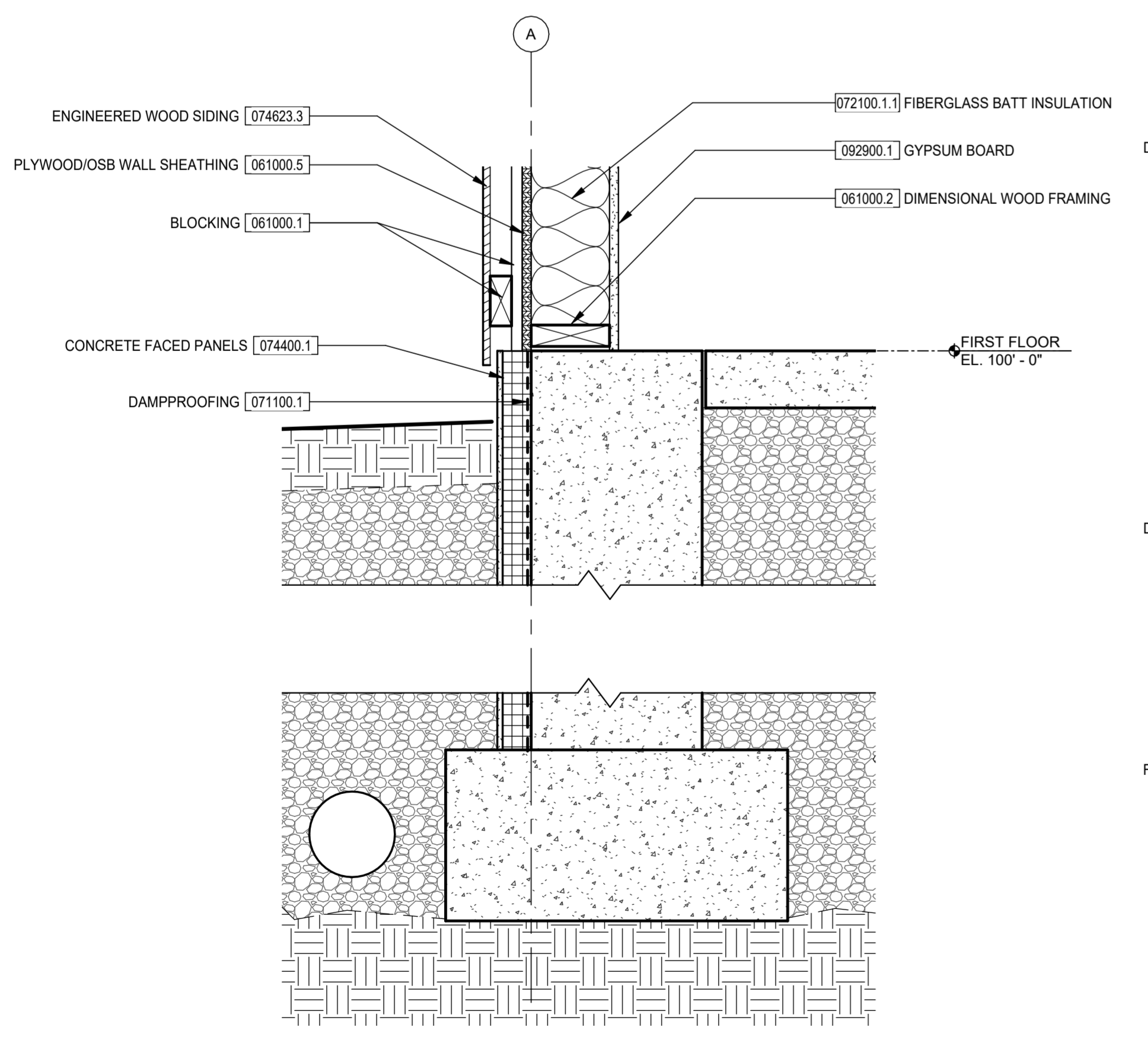
3 FOOTING AT ADDITION VESTIBULE SOUTH
 1 1/2" = 1'-0"



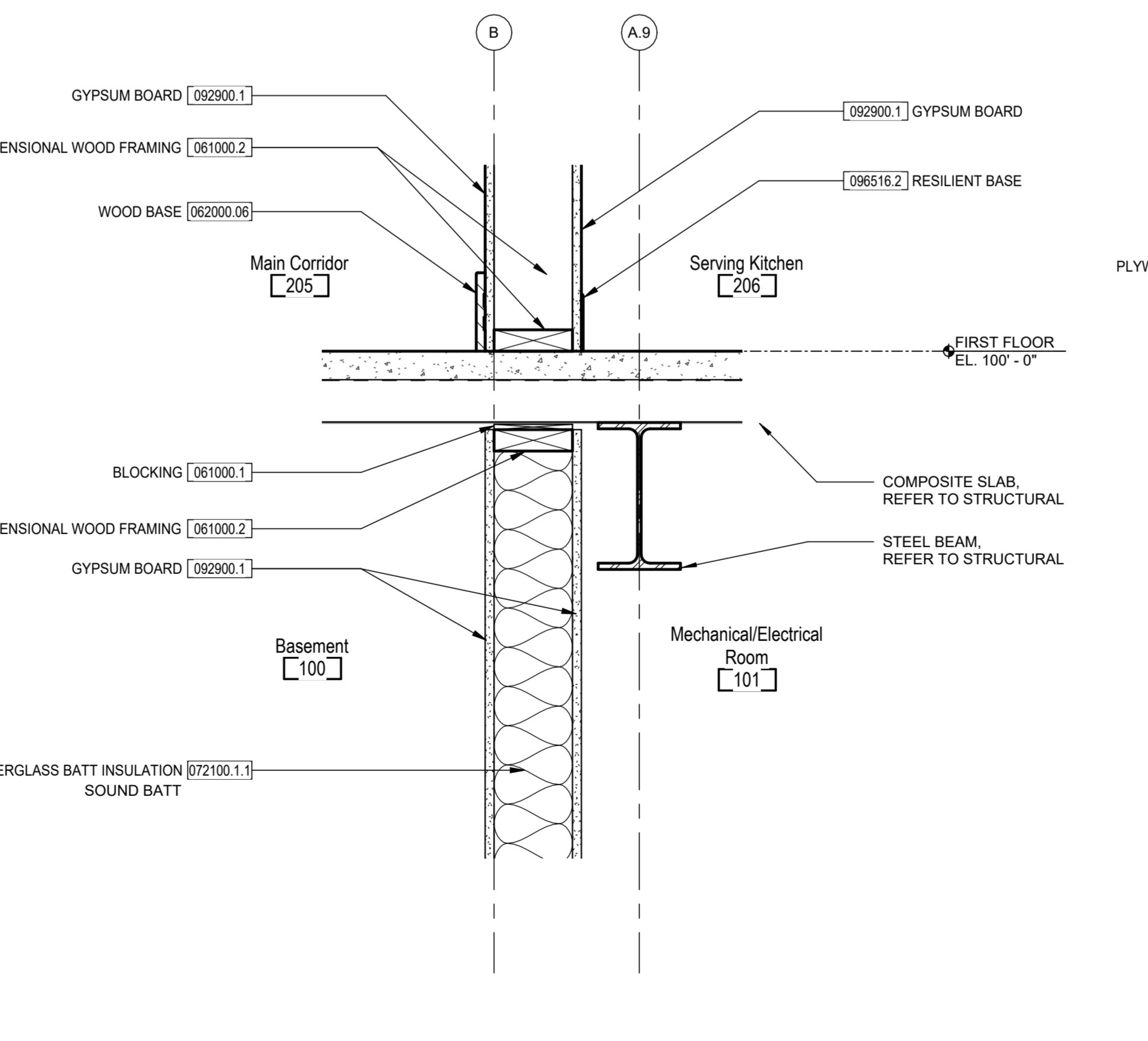
2 FOOTING AT BARN EAST
 1 1/2" = 1'-0"



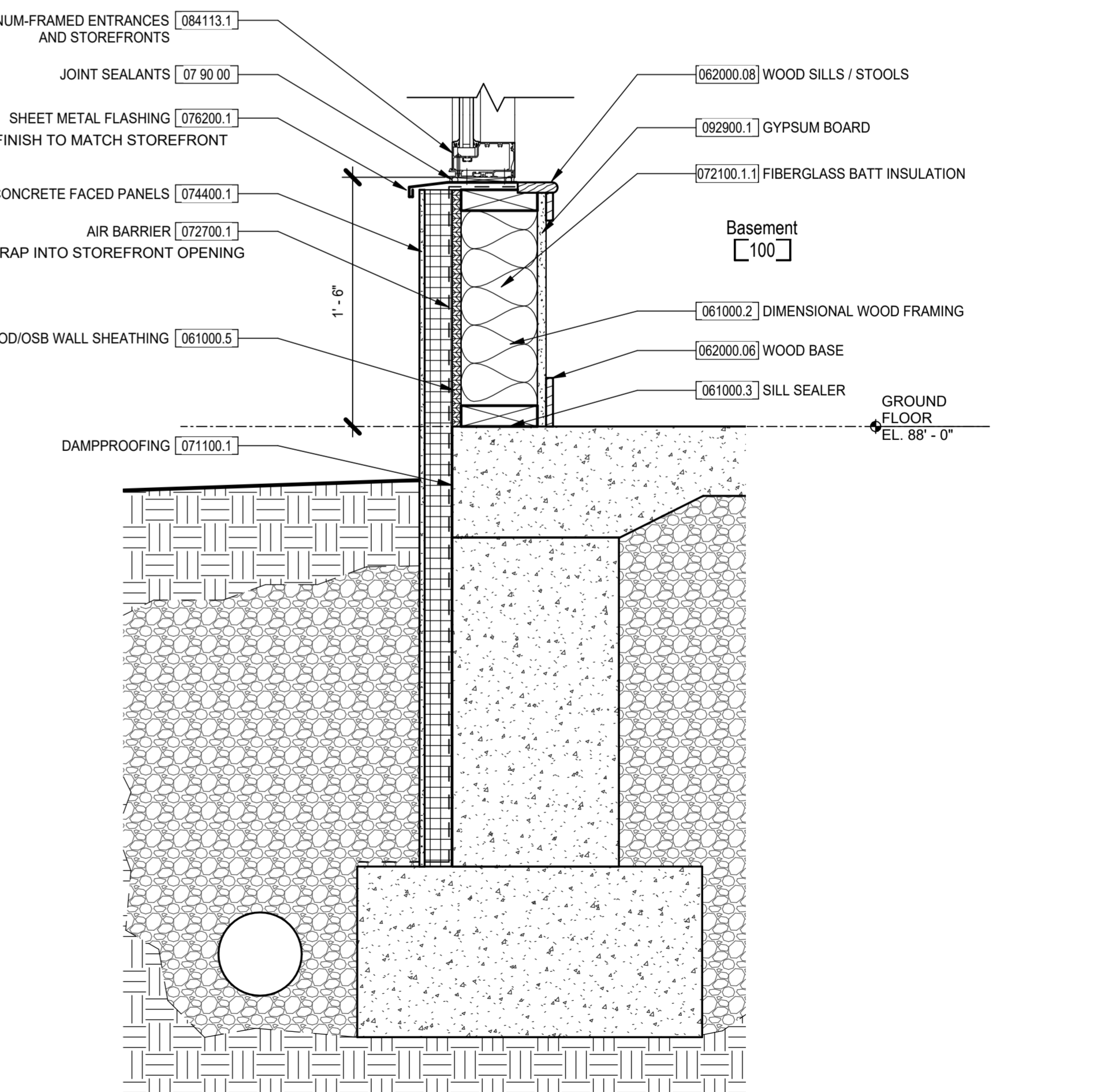
1 FOOTING AT BARN SOUTH
 1 1/2" = 1'-0"



6 FOOTING AT ADDITION NORTH SLAB ON GRADE
 1 1/2" = 1'-0"



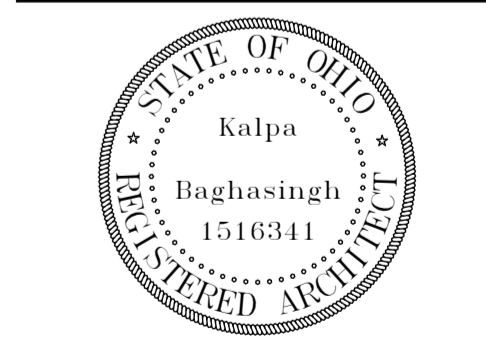
5 BASE OF ADDITION BEARING WALL AT COMPOSITE SLAB
 1 1/2" = 1'-0"



4 FOOTING AT GROUND LEVEL ENTRANCE EAST
 1 1/2" = 1'-0"

**Bicentennial Barn -
 McCammon Creek
 Park**

6844 Bale Kenyon Rd
 Lewis Center, OH 43035



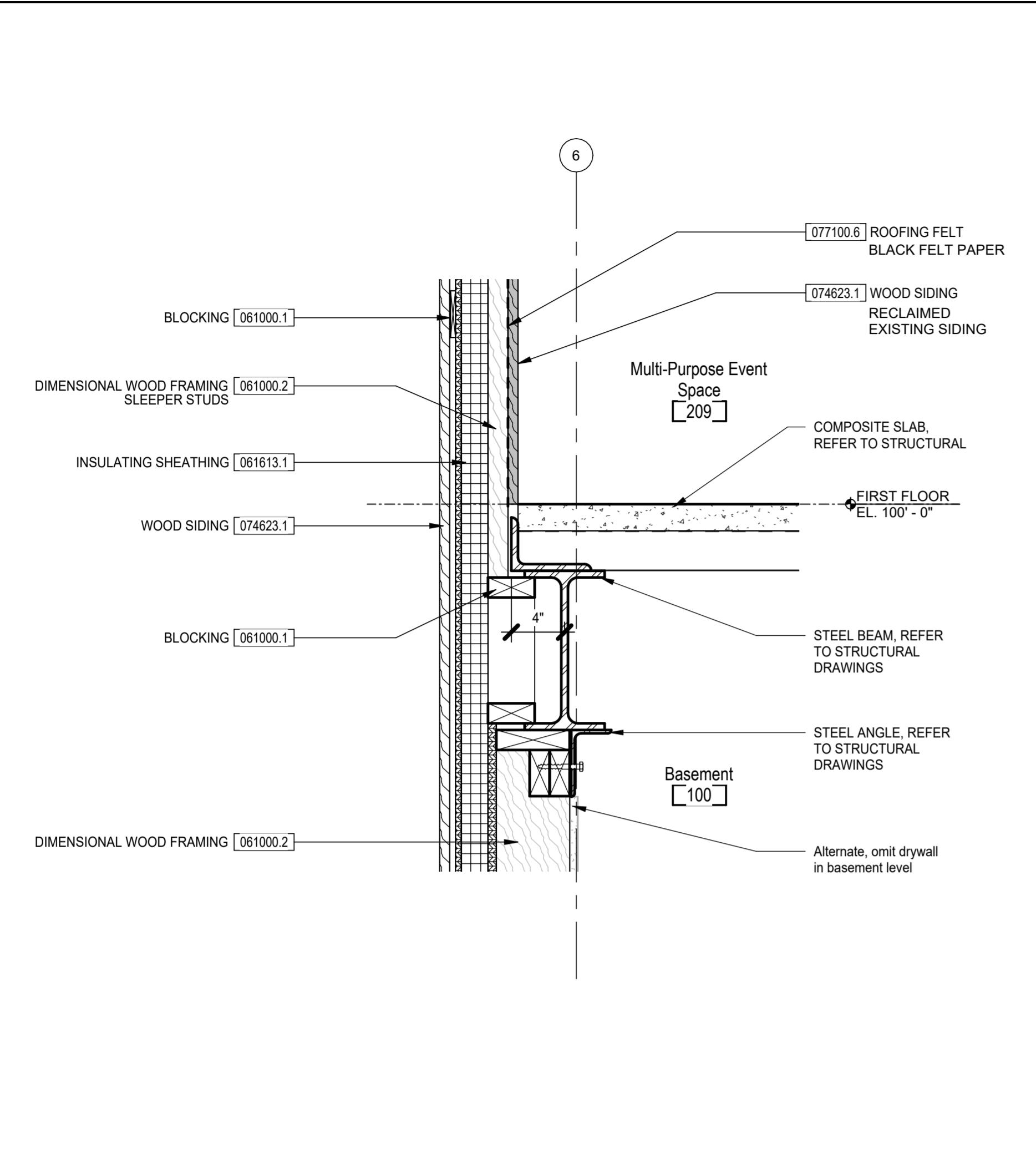
Kalpa Baghasingh, License #1516341
 Expiration Date 12/31/2025

Exterior Details

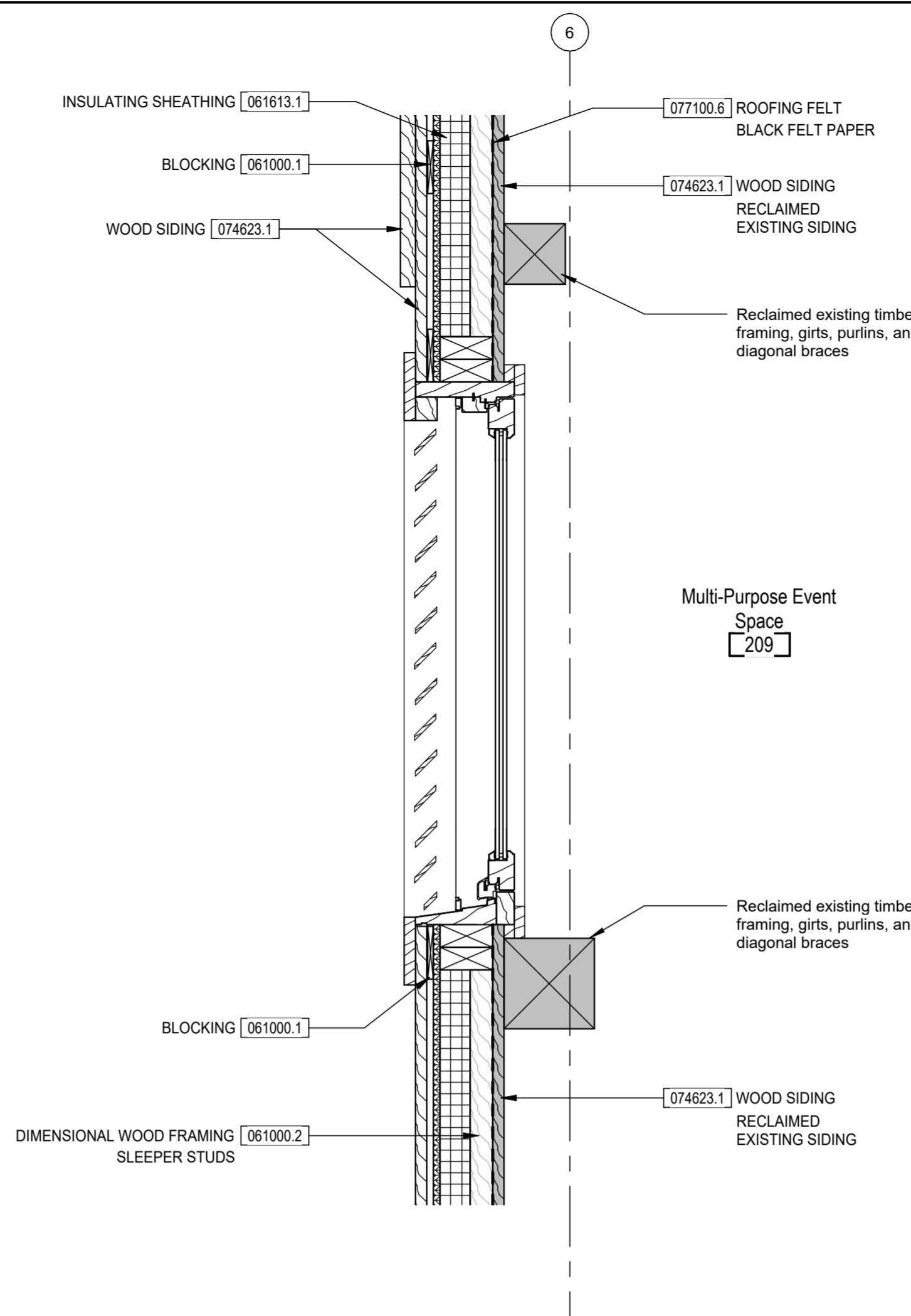
A400

02/14/2025
 23070

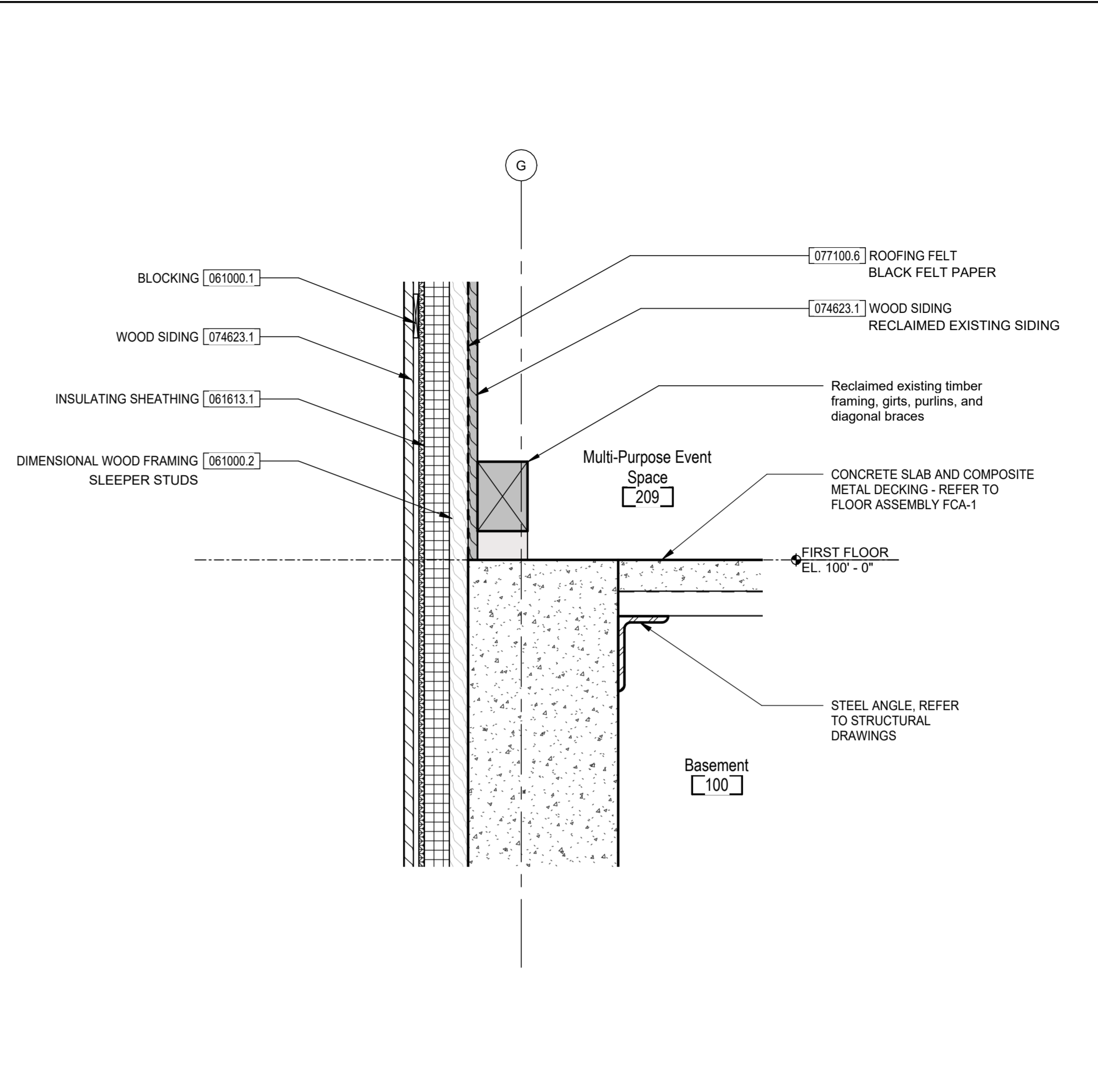
Revision Schedule		
#	Description	Date



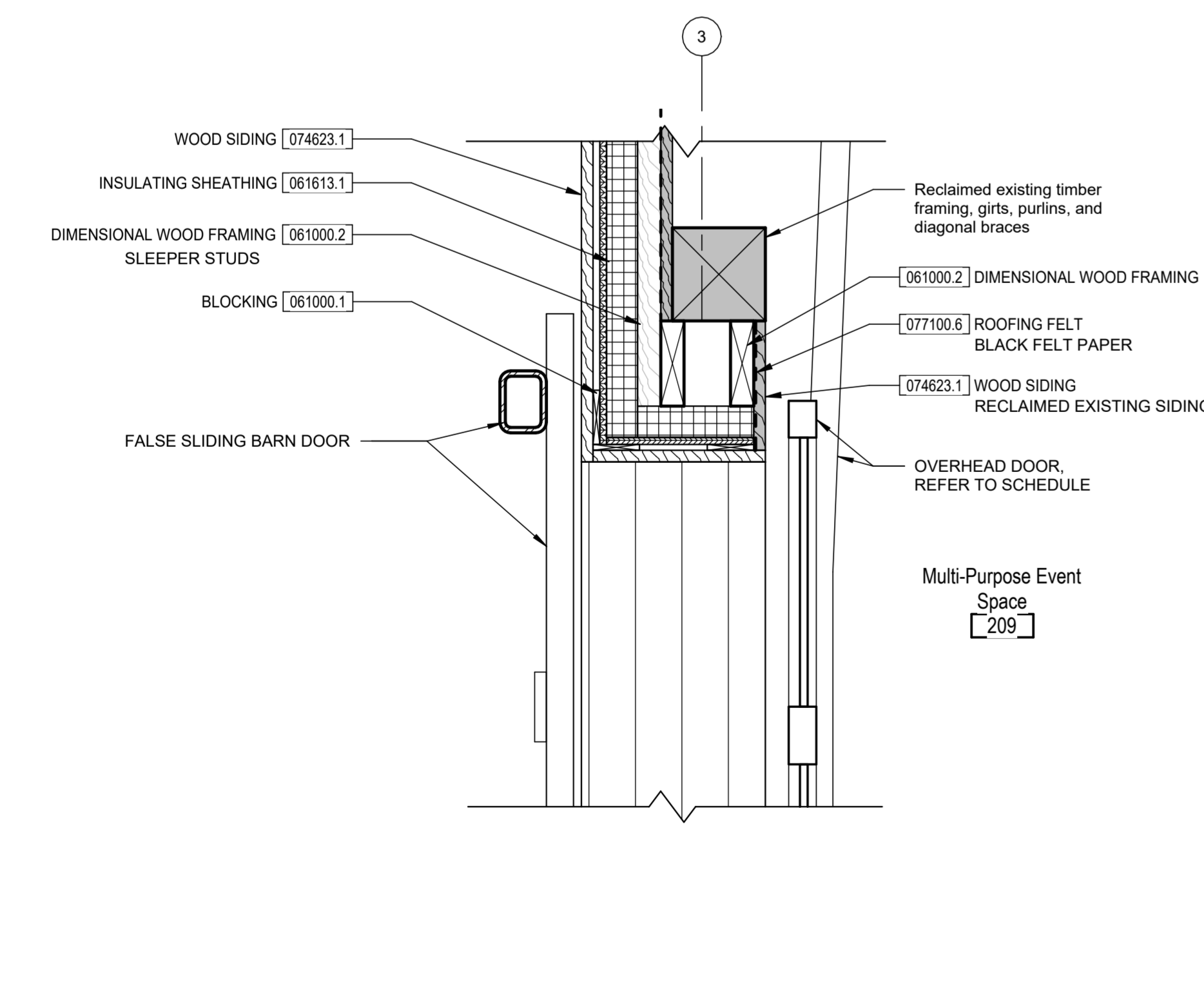
3 COMPOSITE SLAB AT BARN EAST
1 1/2" = 1'-0"



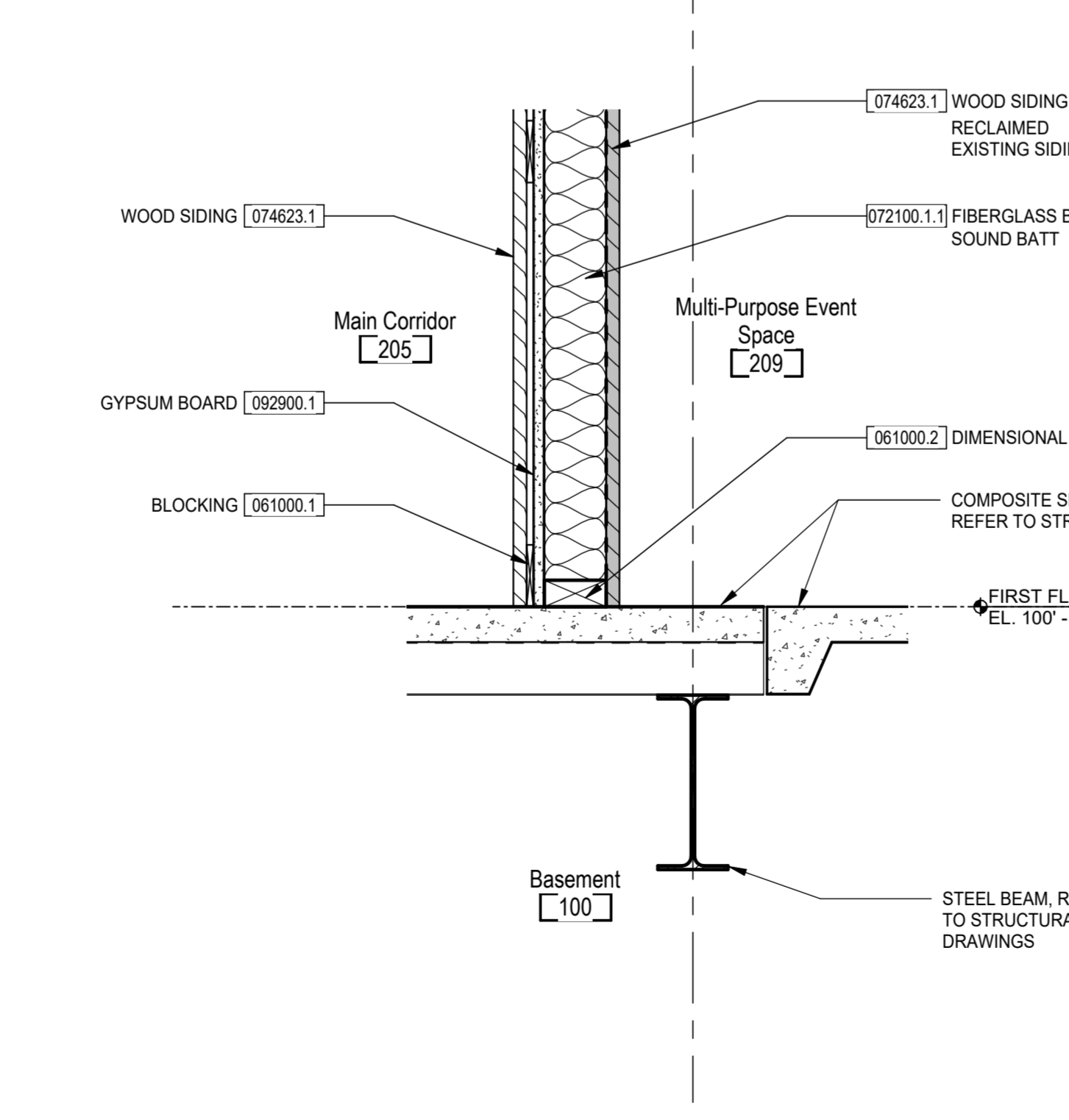
2 LOUVER AND WINDOW AT BARN EAST
1 1/2" = 1'-0"



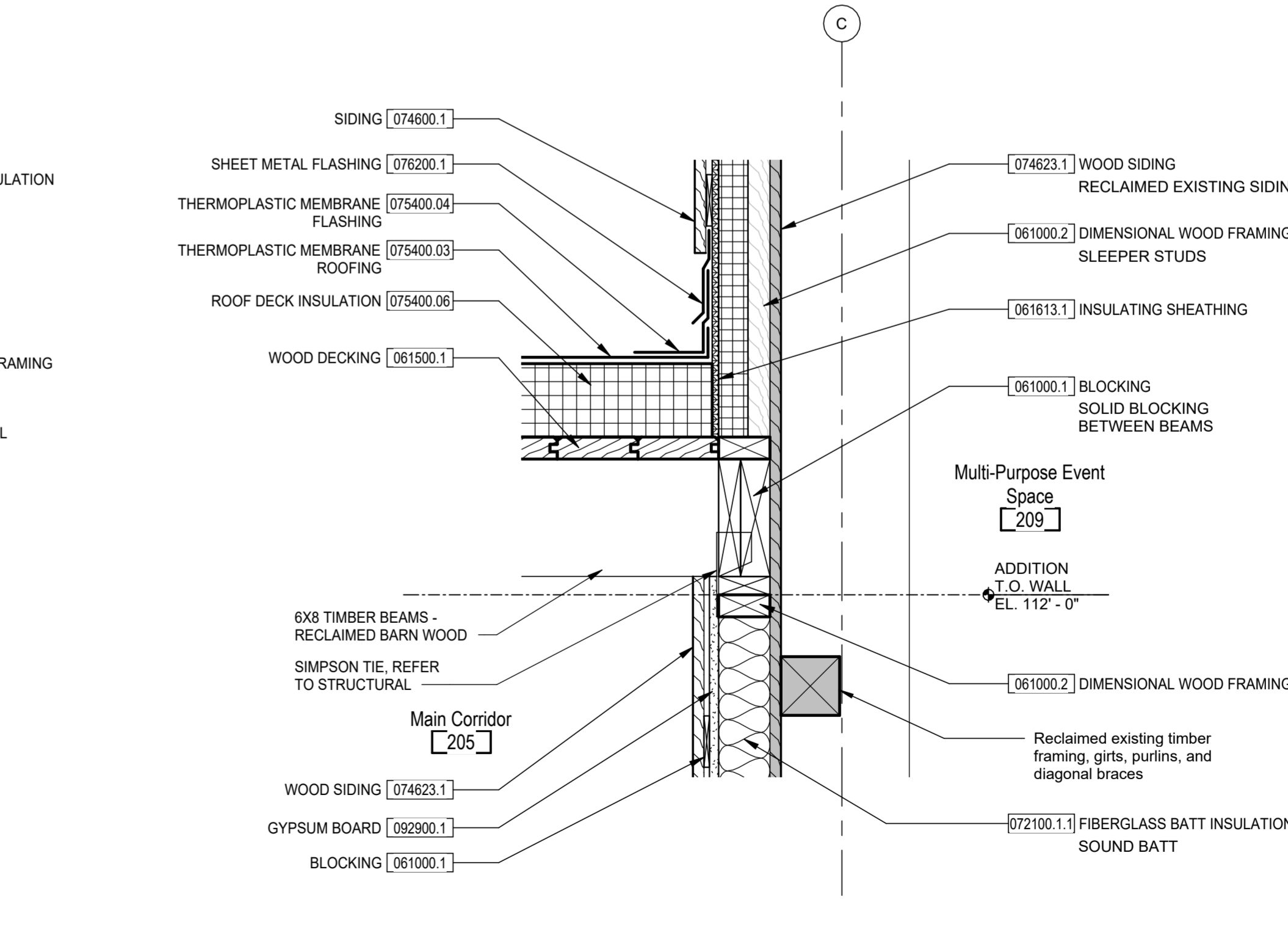
1 COMPOSITE SLAB AT BARN SOUTH
1 1/2" = 1'-0"



6 GARAGE DOOR HEAD AT BARN WEST
1 1/2" = 1'-0"



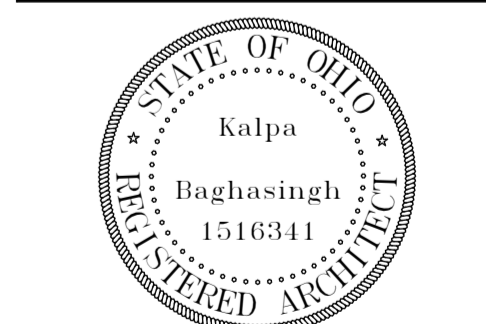
5 BARN NORTH AT COMPOSITE SLAB
1 1/2" = 1'-0"



4 LOW ROOF AT BARN NORTH
1 1/2" = 1'-0"

Bicentennial Barn - McCammon Creek Park

6844 Bale Kenyon Rd
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Kalpa Baghasingh, License #1516341
Expiration Date 12/31/2025

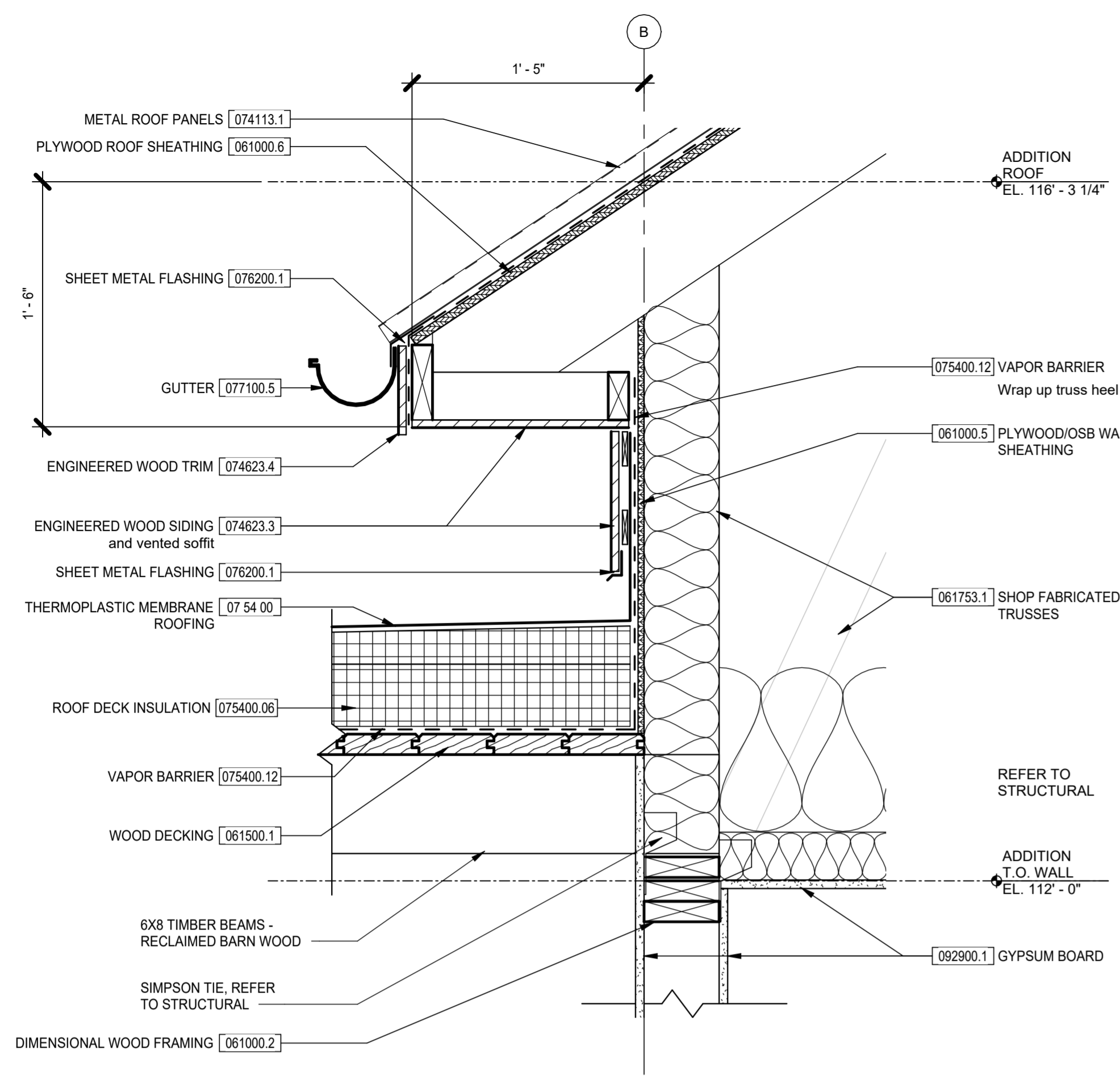
Exterior Details

A401

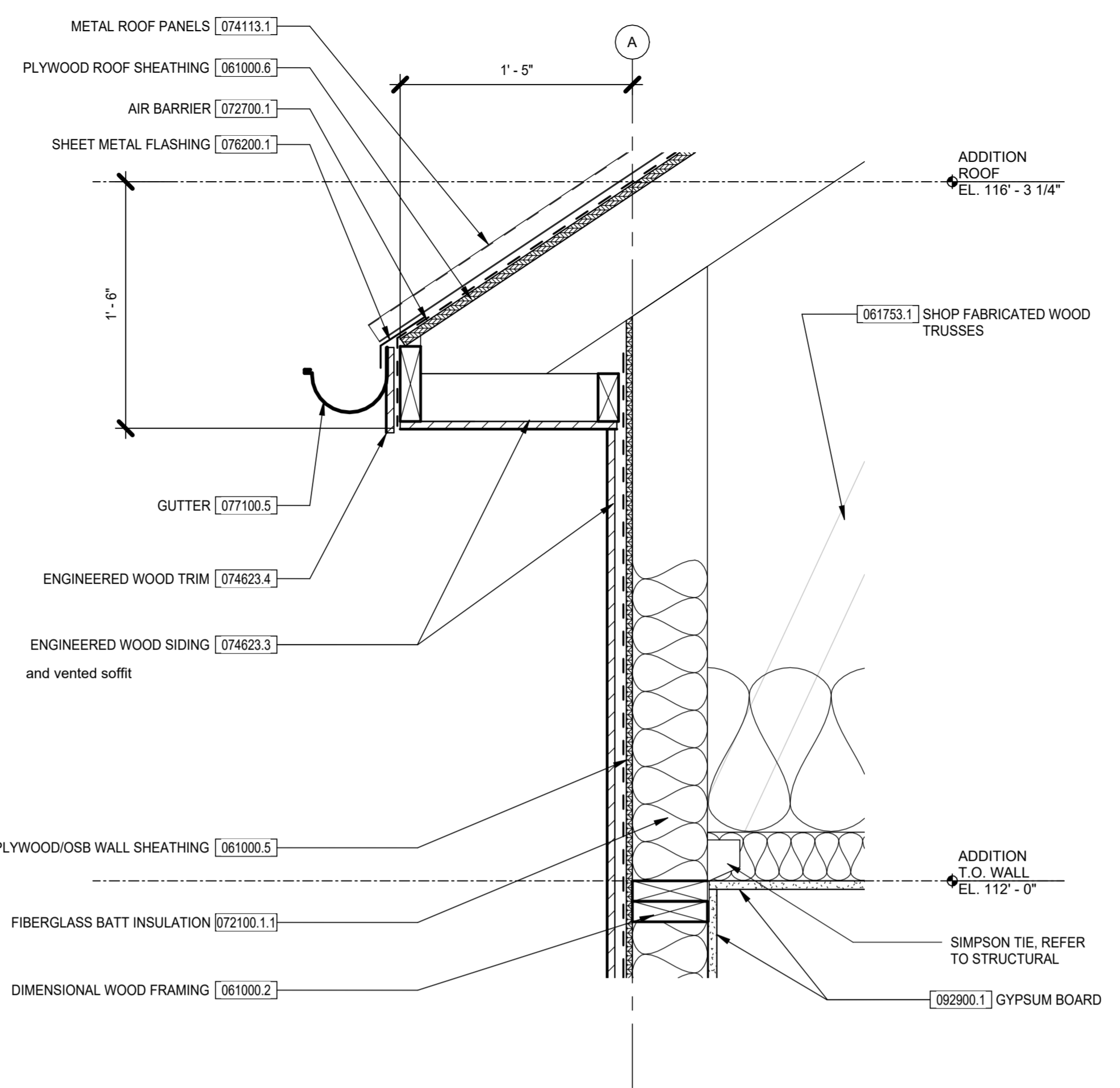
02/14/2025

23070

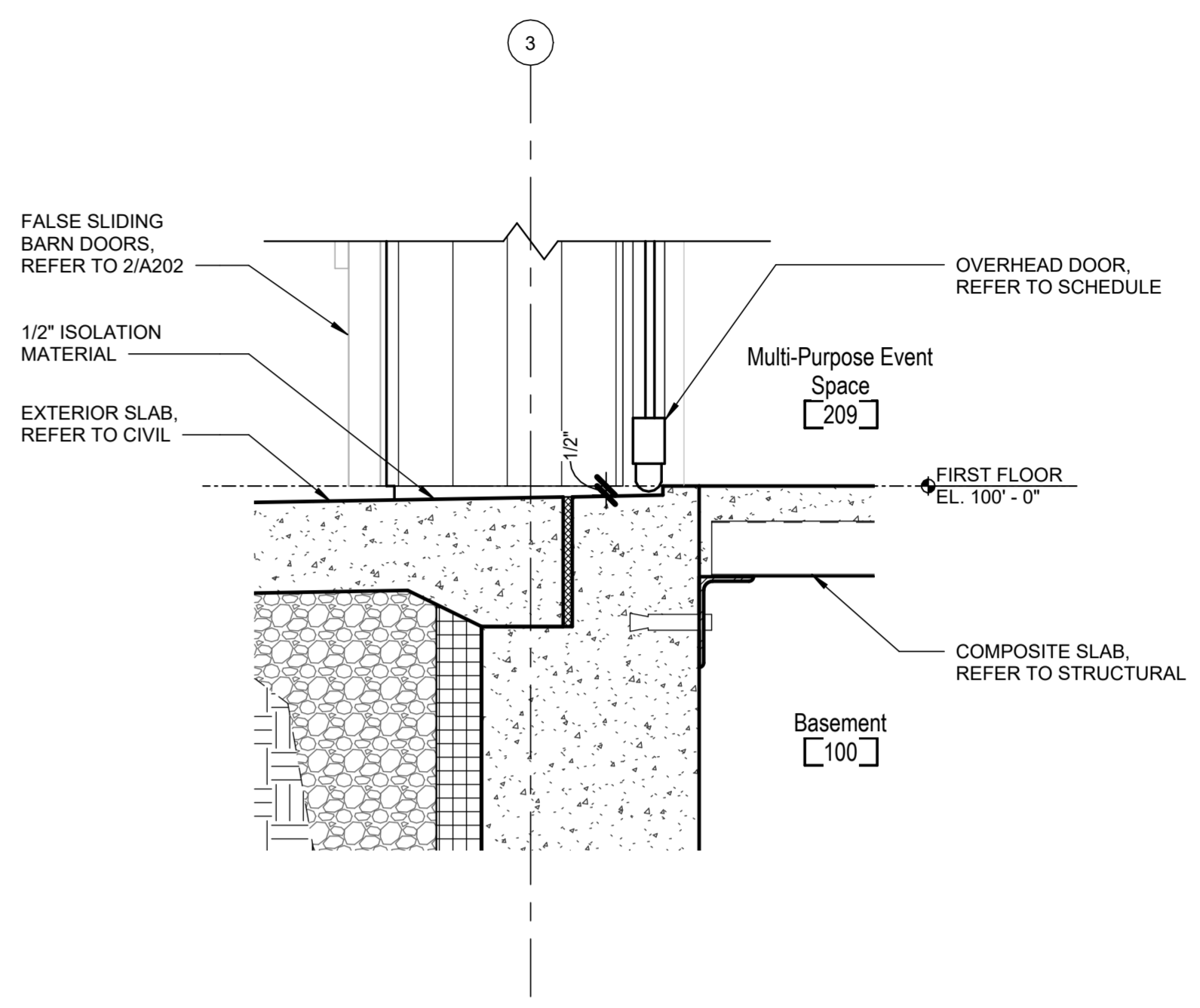
Revision Schedule		
#	Description	Date



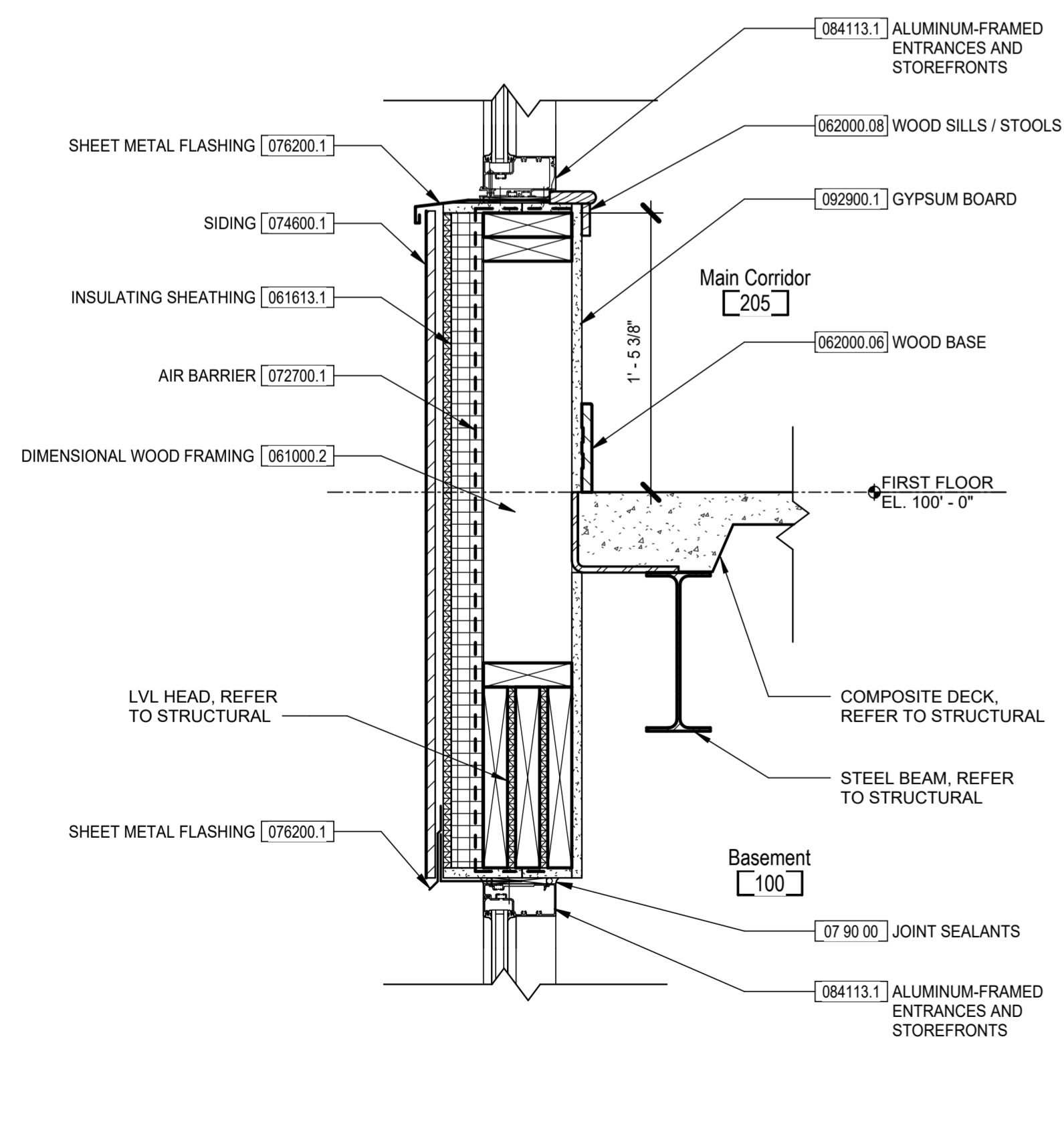
3 LOW ROOF AT ADDITION BEARING WALL
 1 1/2" = 1'-0"



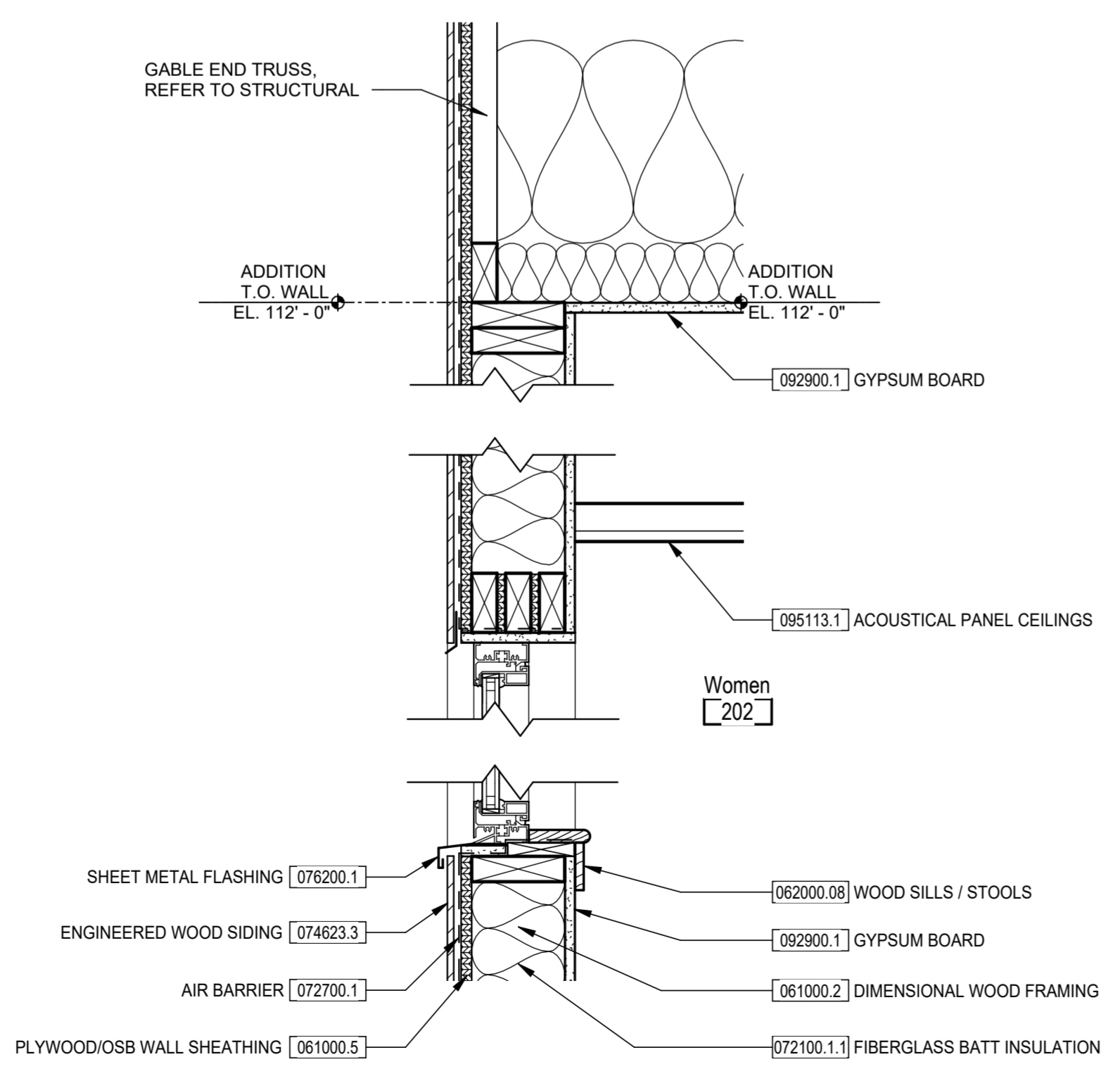
2 ROOF TRUSS AT ADDITION BEARING WALL, TYP.
 1 1/2" = 1'-0"



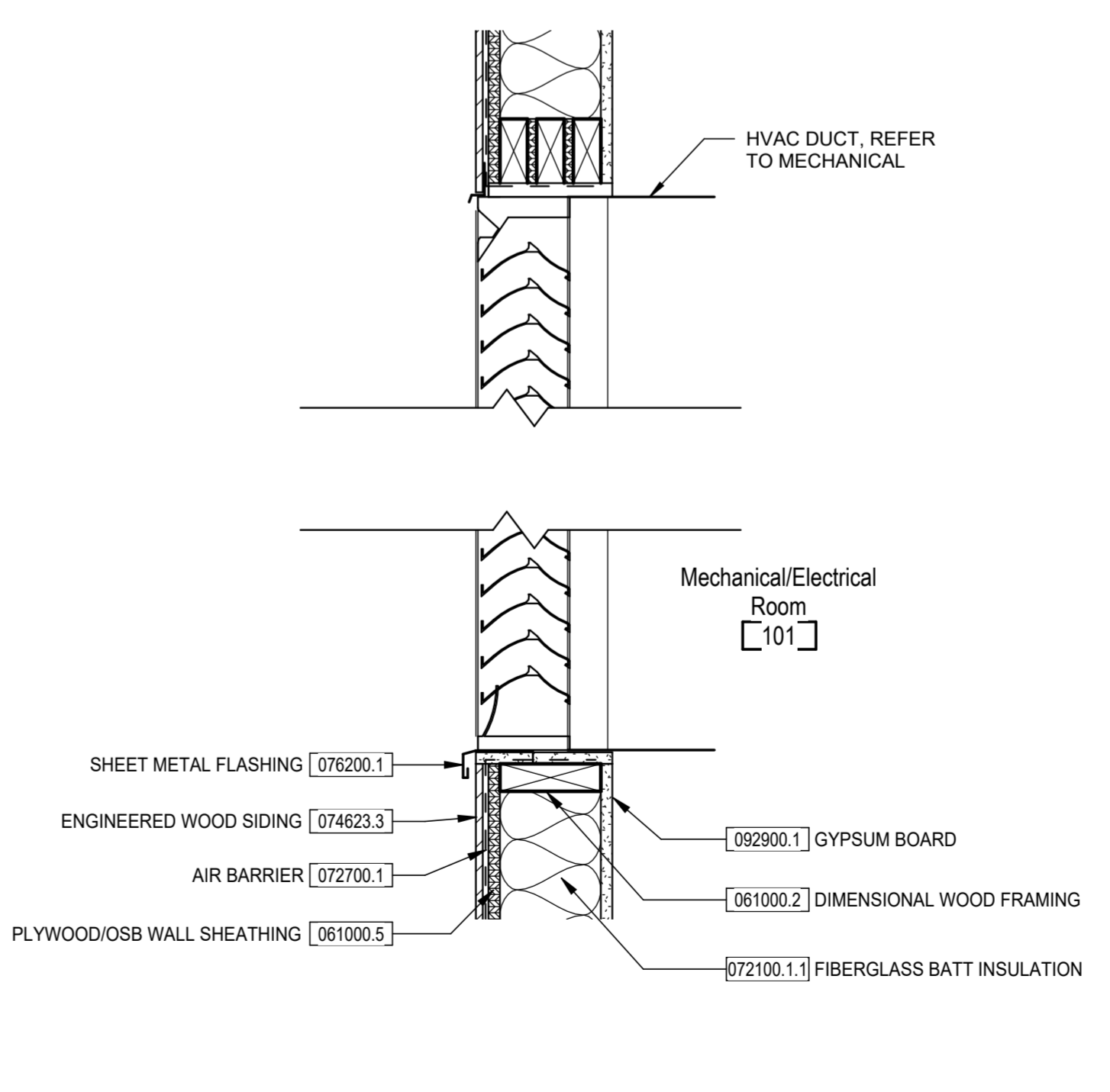
1 GARAGE DOOR SILL AT BARN WEST
 1 1/2" = 1'-0"



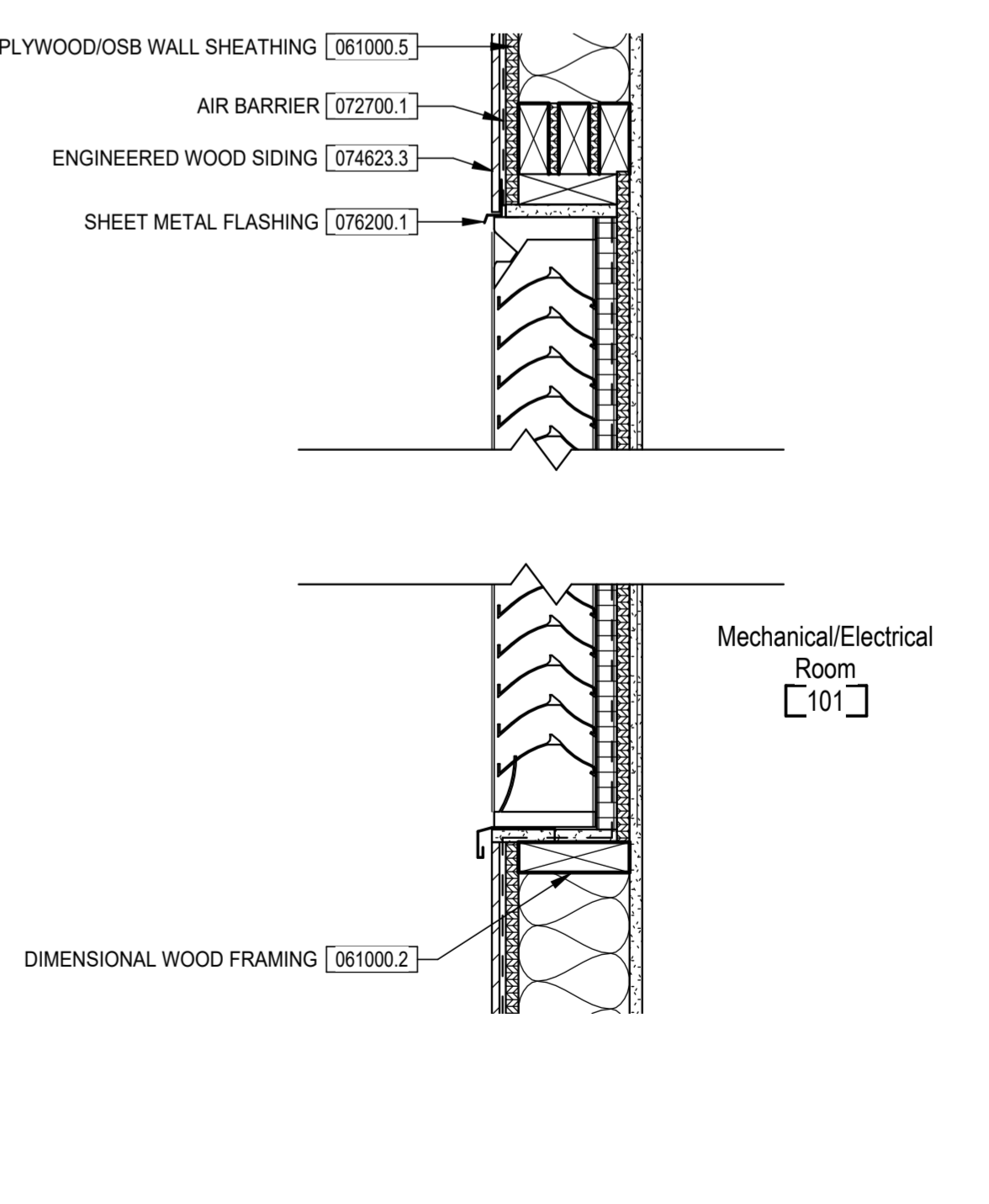
6 EAST STOREFRONT AT MAIN FLOOR SLAB
 1 1/2" = 1'-0"



5 WINDOW AT ADDITION RESTROOMS WEST
 1 1/2" = 1'-0"



4 LOUVER AT ADDITION GROUND FLOOR EAST
 1 1/2" = 1'-0"



7 FALSE LOUVER AT ADDITION GROUND FLOOR EAST
 1 1/2" = 1'-0"

Autodesk Docs://23070 - Bicentennial Barn/23070_Bicentennial Barn_New_v22.rvt 2/14/2025 6:02:26 PM

Bicentennial Barn - McCammon Creek Park

6844 Bale Kenyon Rd
 Lewis Center, OH 43035



Kalpa Baghasingh, License #1516341
 Expiration Date 12/31/2025

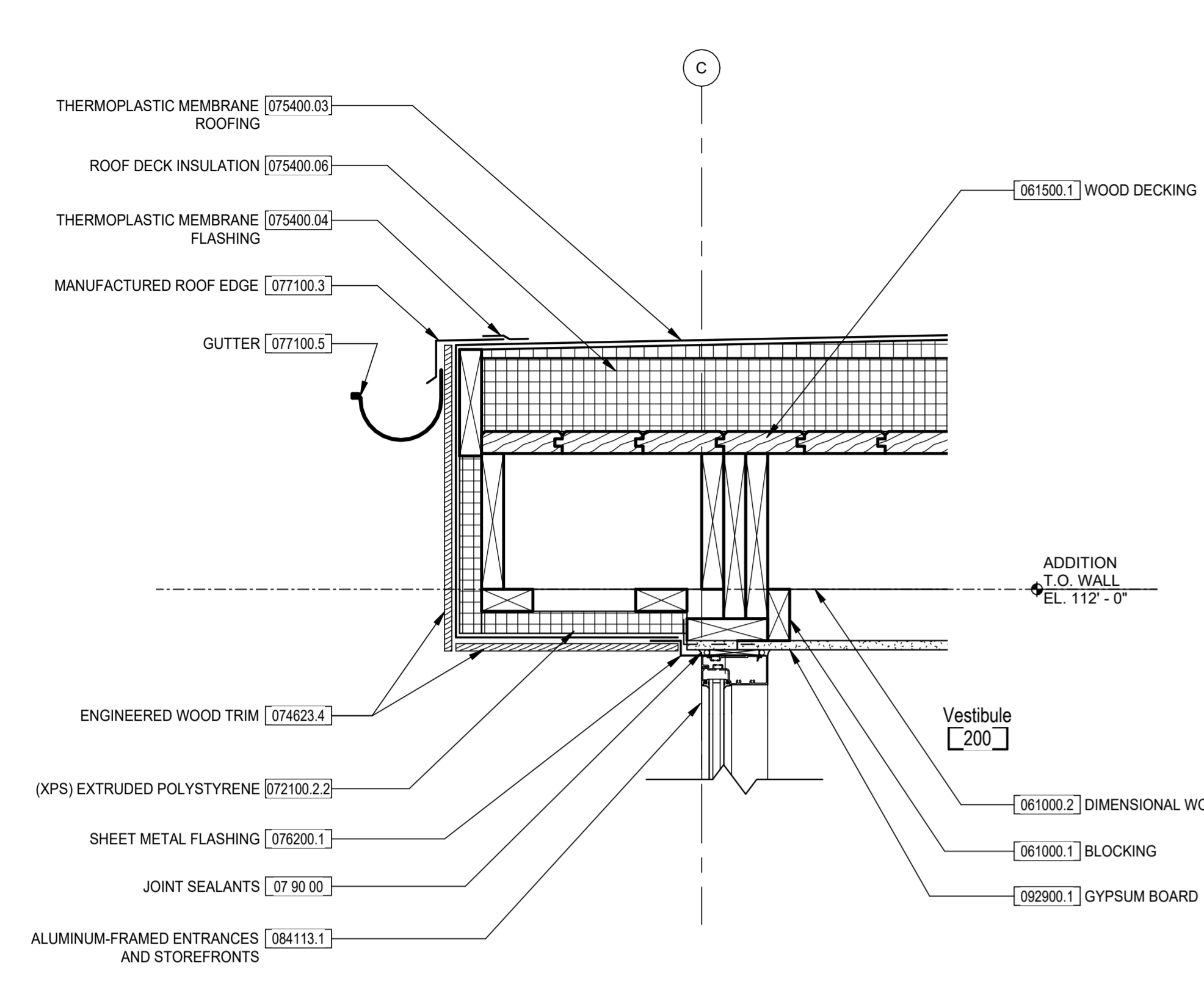
Exterior Details

A402

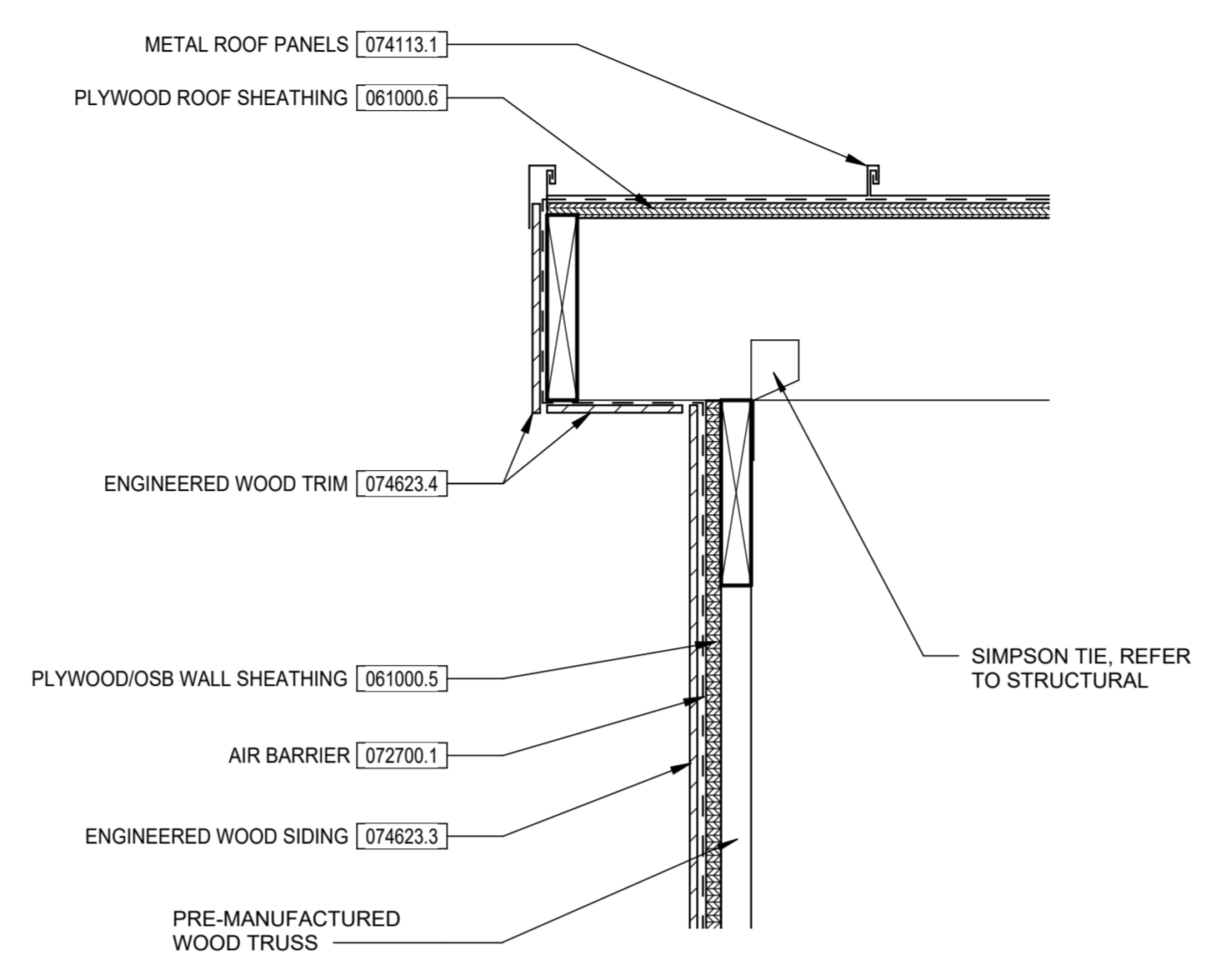
02/14/2025

23070

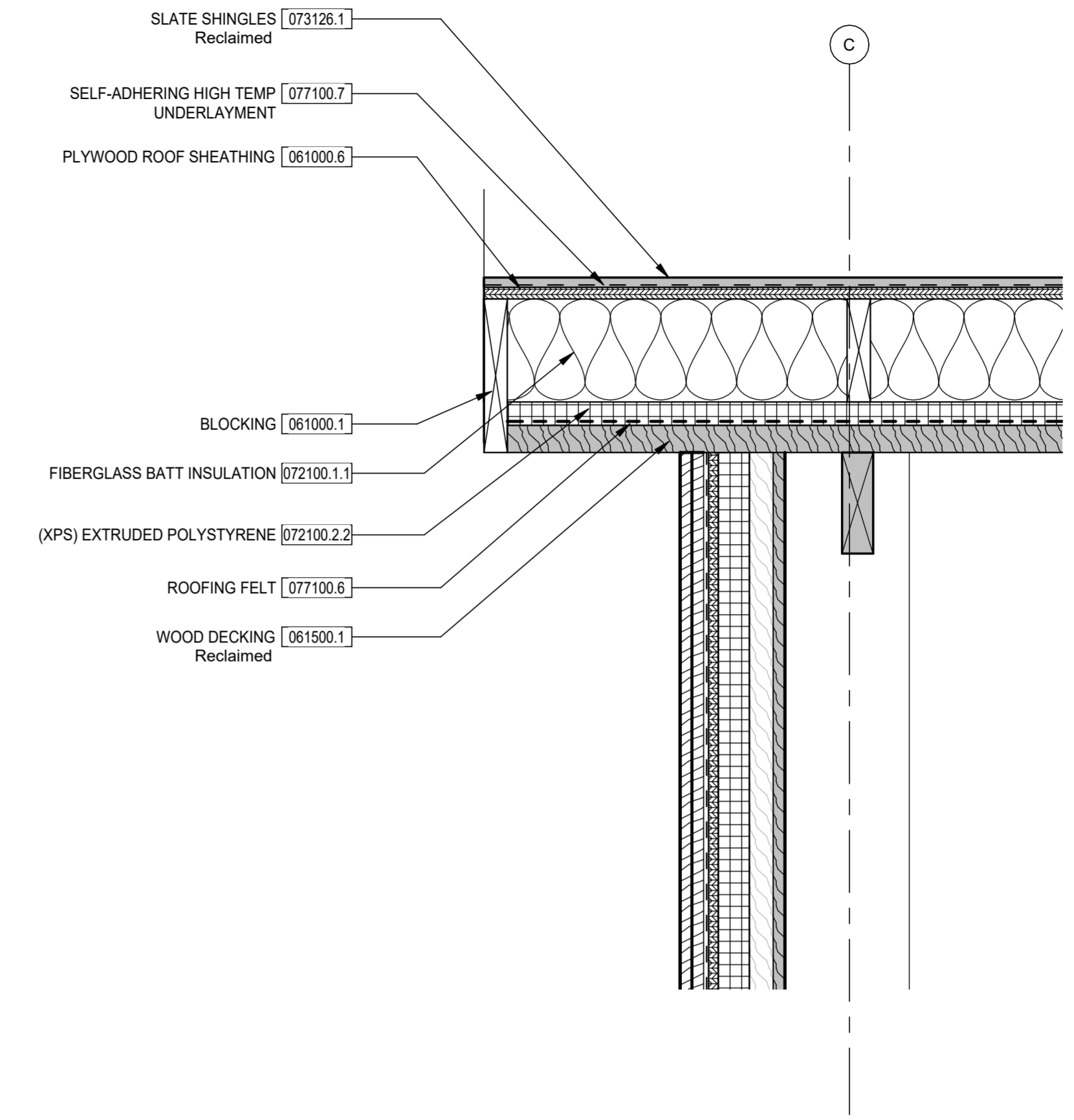
Revision Schedule		
#	Description	Date



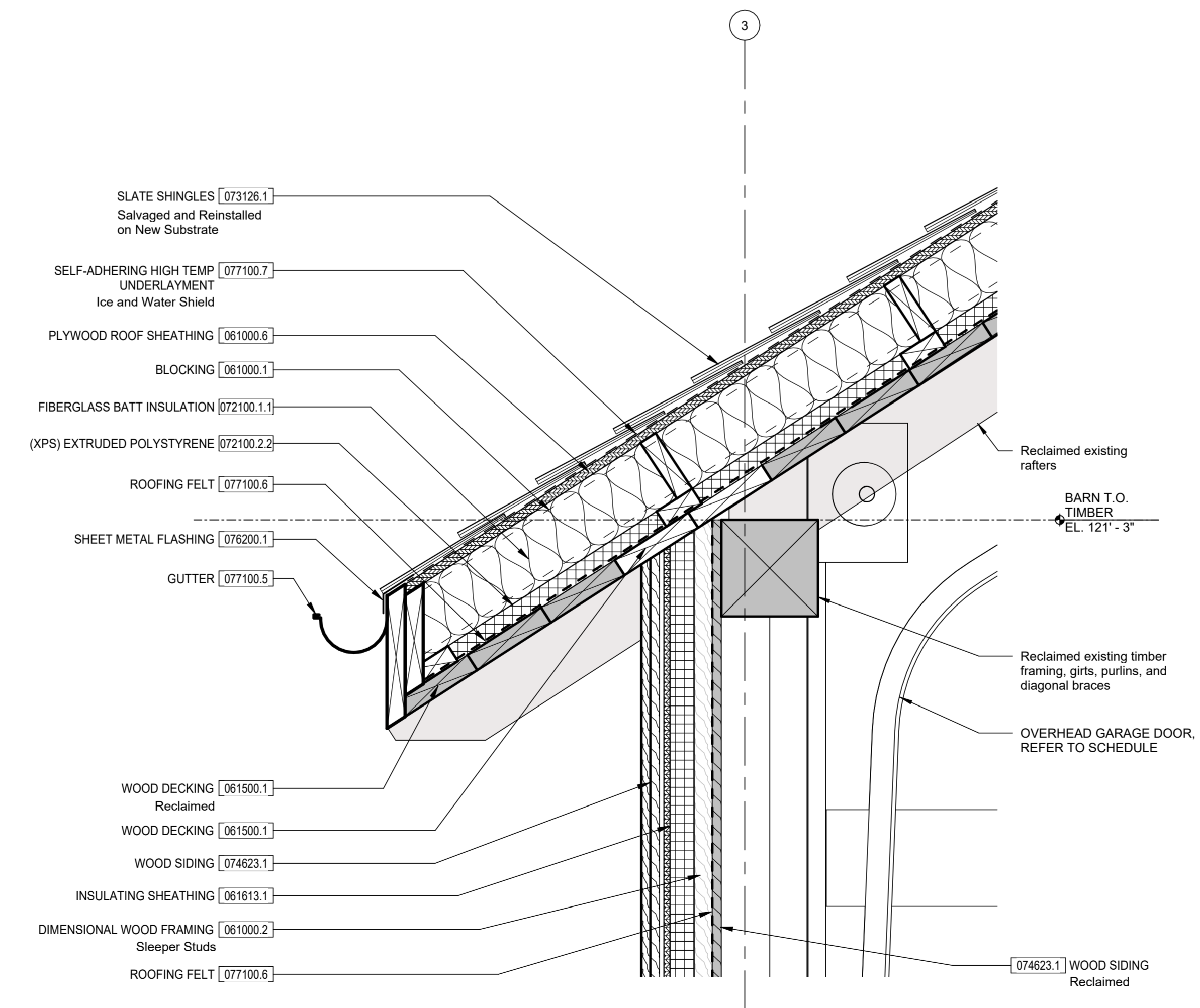
3 ROOF EDGE AT VESTIBULE SOUTH
 1 1/2" = 1'-0"



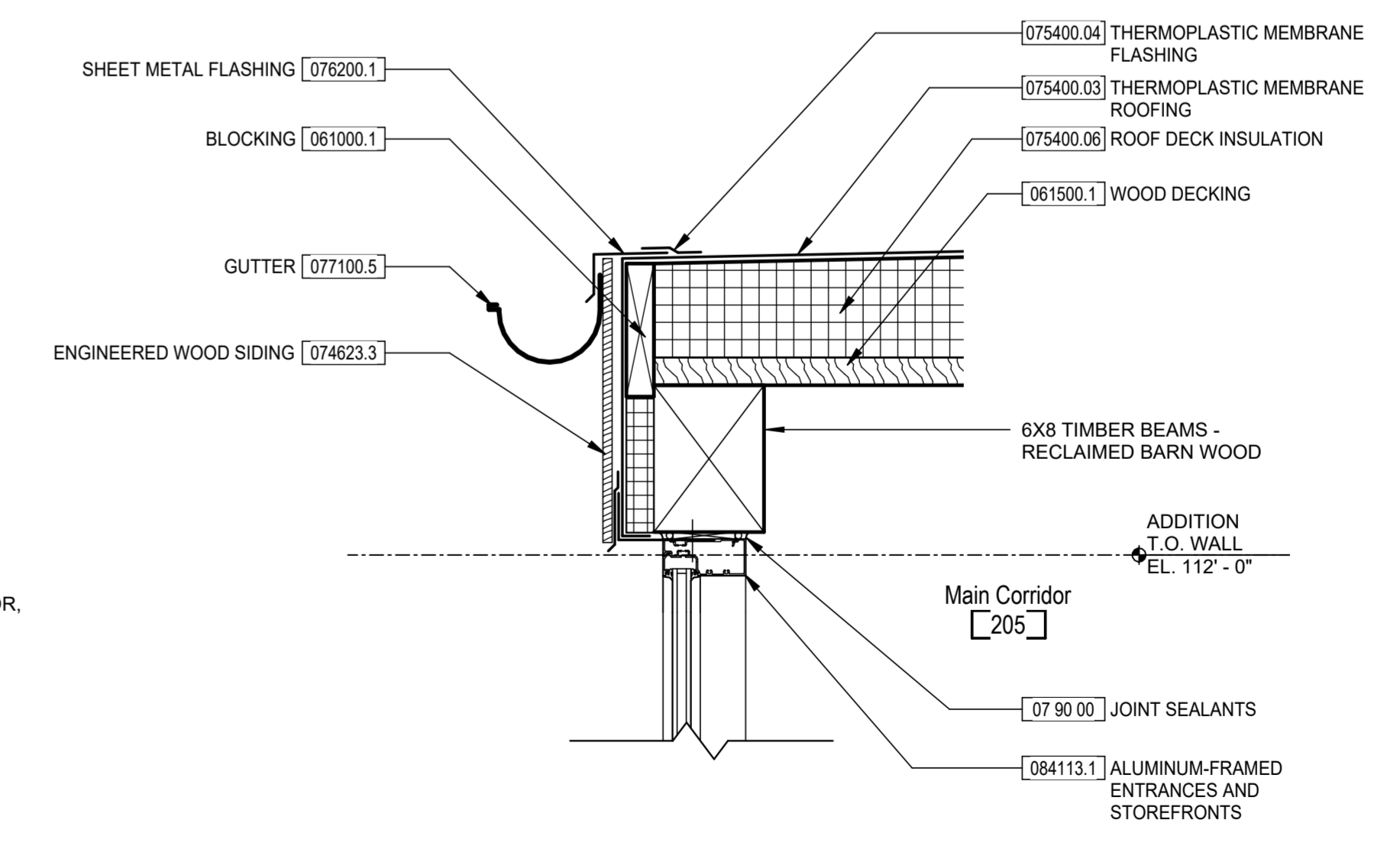
2 GABLE ROOF EDGE ADDITION
 1 1/2" = 1'-0"



1 GABLE ROOF EDGE BARN
 1 1/2" = 1'-0"



5 BARN ROOF AT EAVE ABOVE GARAGE DOOR
 1 1/2" = 1'-0"



4 ROOF EDGE AT ADDITION STOREFRONT EAST
 1 1/2" = 1'-0"

Bicentennial Barn - McCammon Creek Park

6844 Bale Kenyon Rd
 Lewis Center, OH 43035

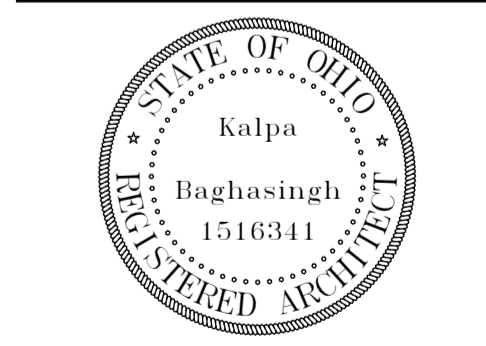


Kalpa Baghasingh, License #1516341
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Exterior Details

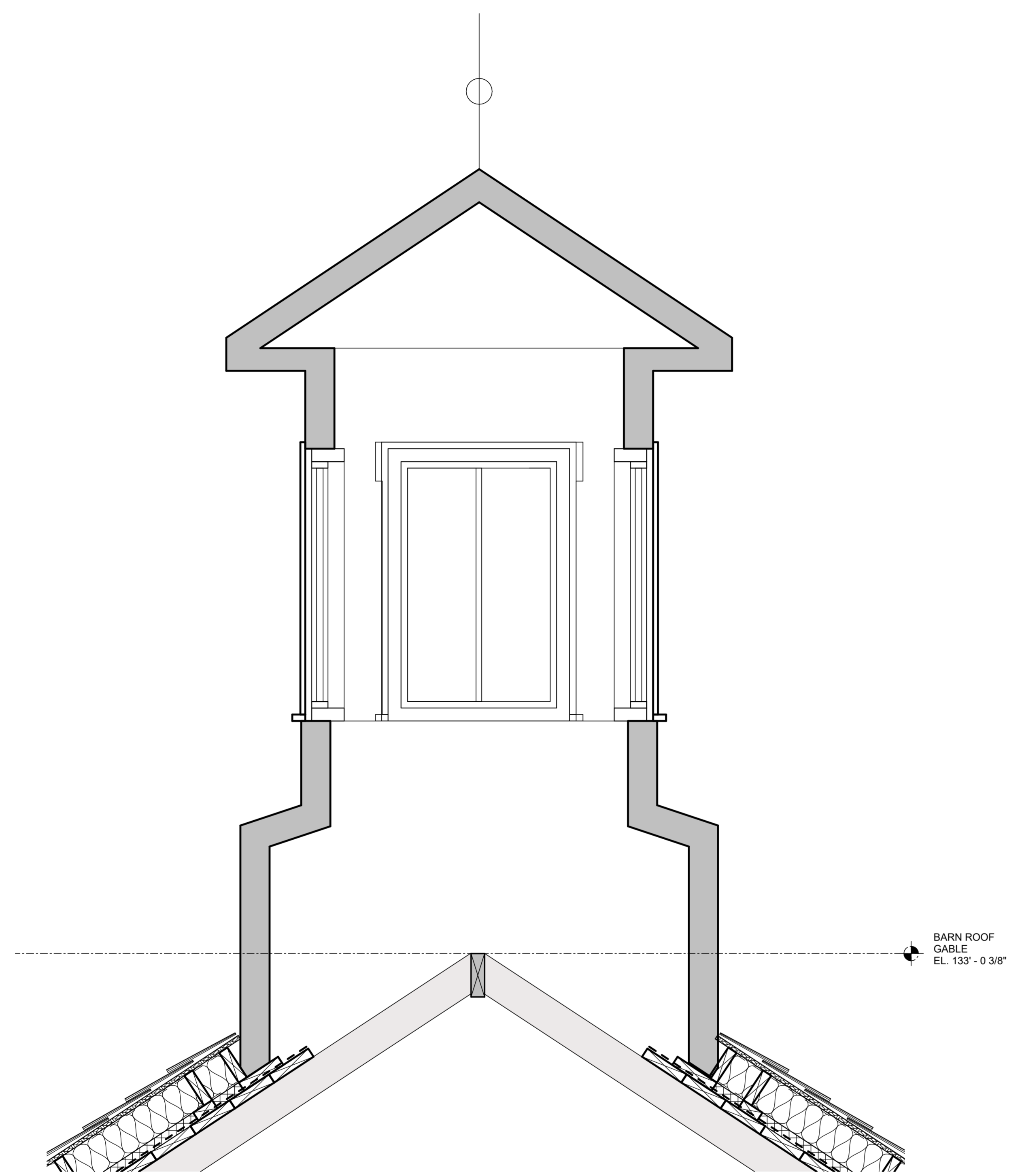
Revision Schedule		
#	Description	Date

Bicentennial Barn -
 McCammon Creek
 Park
 6844 Bale Kenyon Rd
 Lewis Center, OH 43035



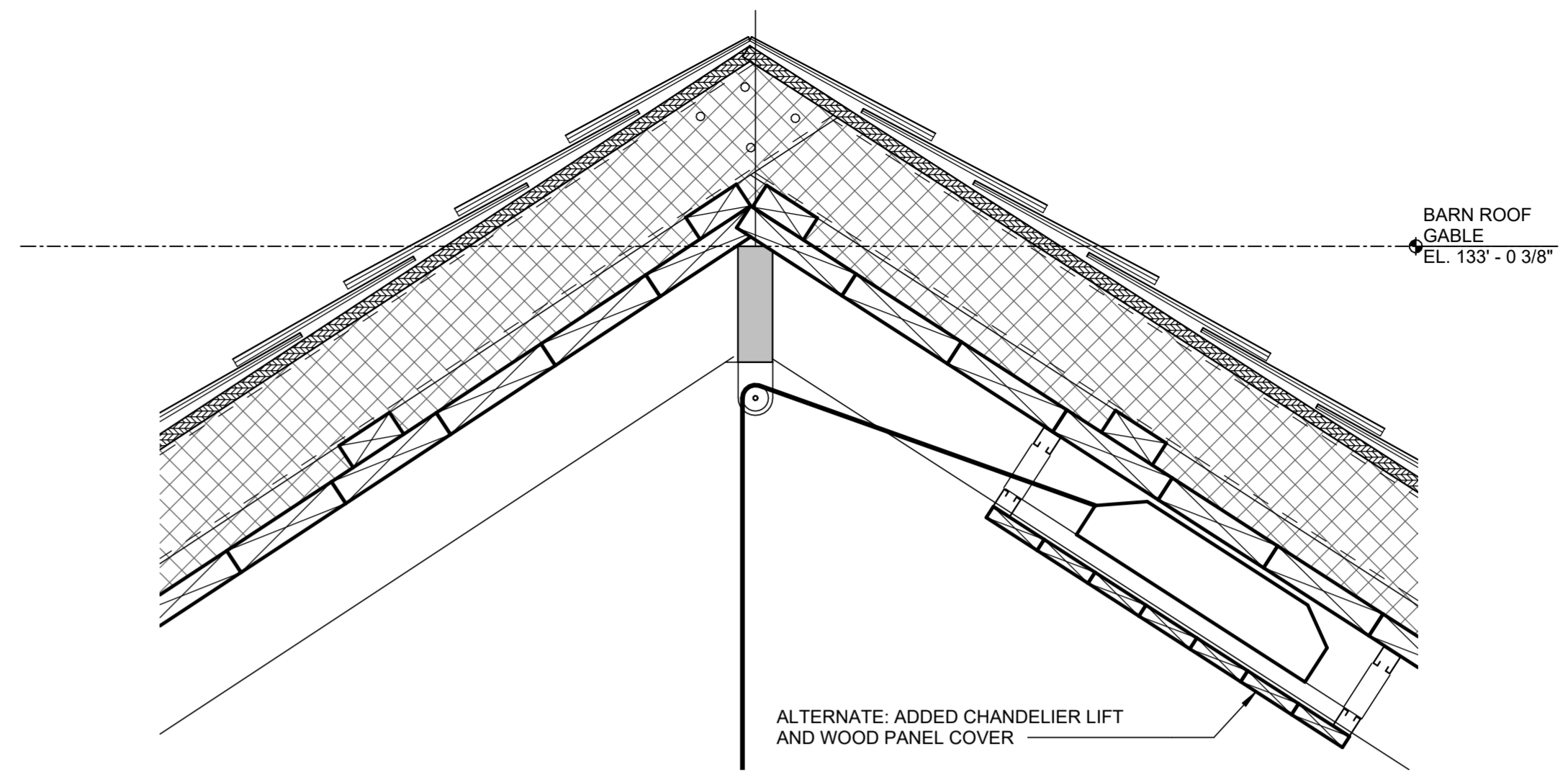
Kalpa Baghasingh, License #1516341
 Expiration Date 12/31/2025

Exterior Details

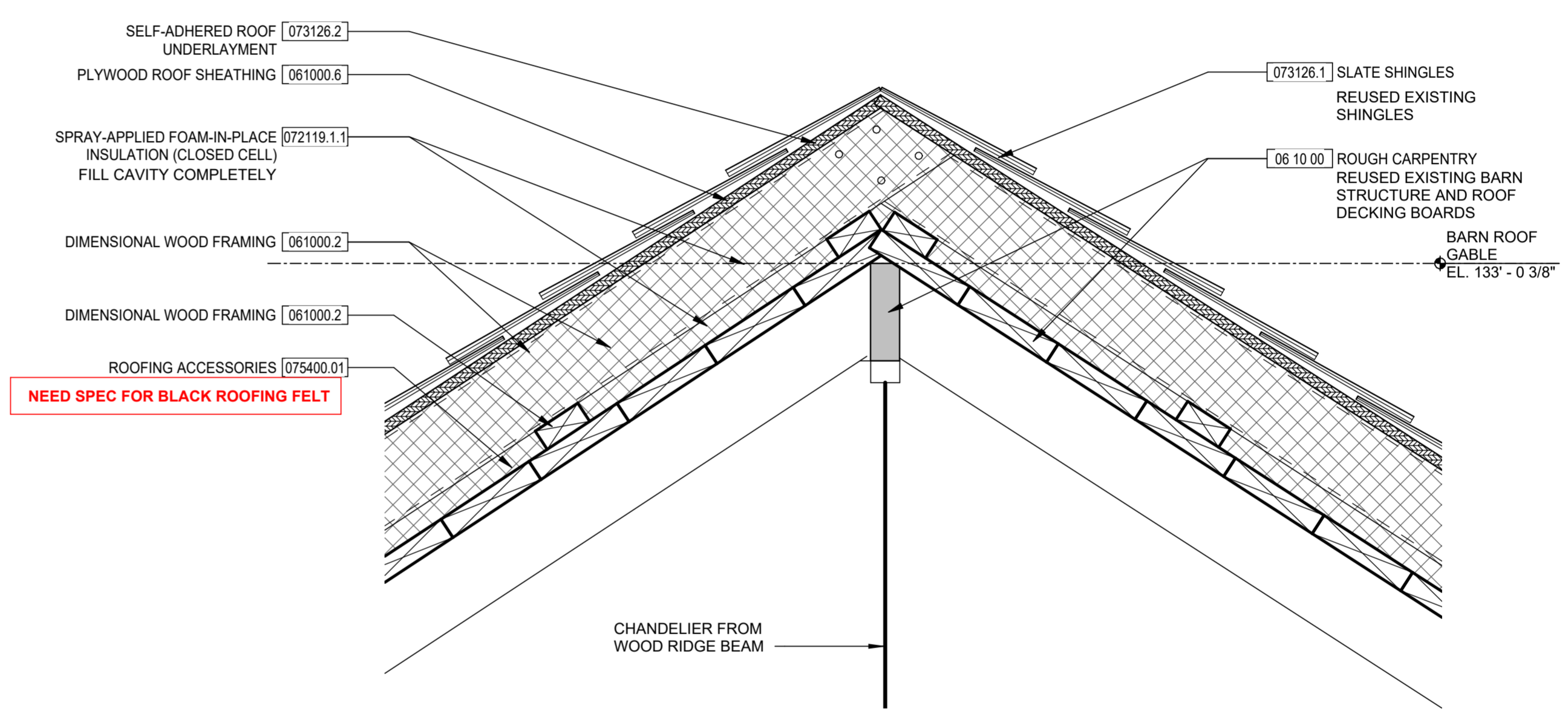


NOTE: CUPOLA TO BE REMOVED IN ITS ENTIRETY DURING BARN DECONSTRUCTION. PRIOR TO REINSTALLATION, CUPOLA TO BE REPAIRED AND MODIFIED OR RECONSTRUCTED WITH NEW ROOF, NEW WINDOWS, AND NEW SIDING.

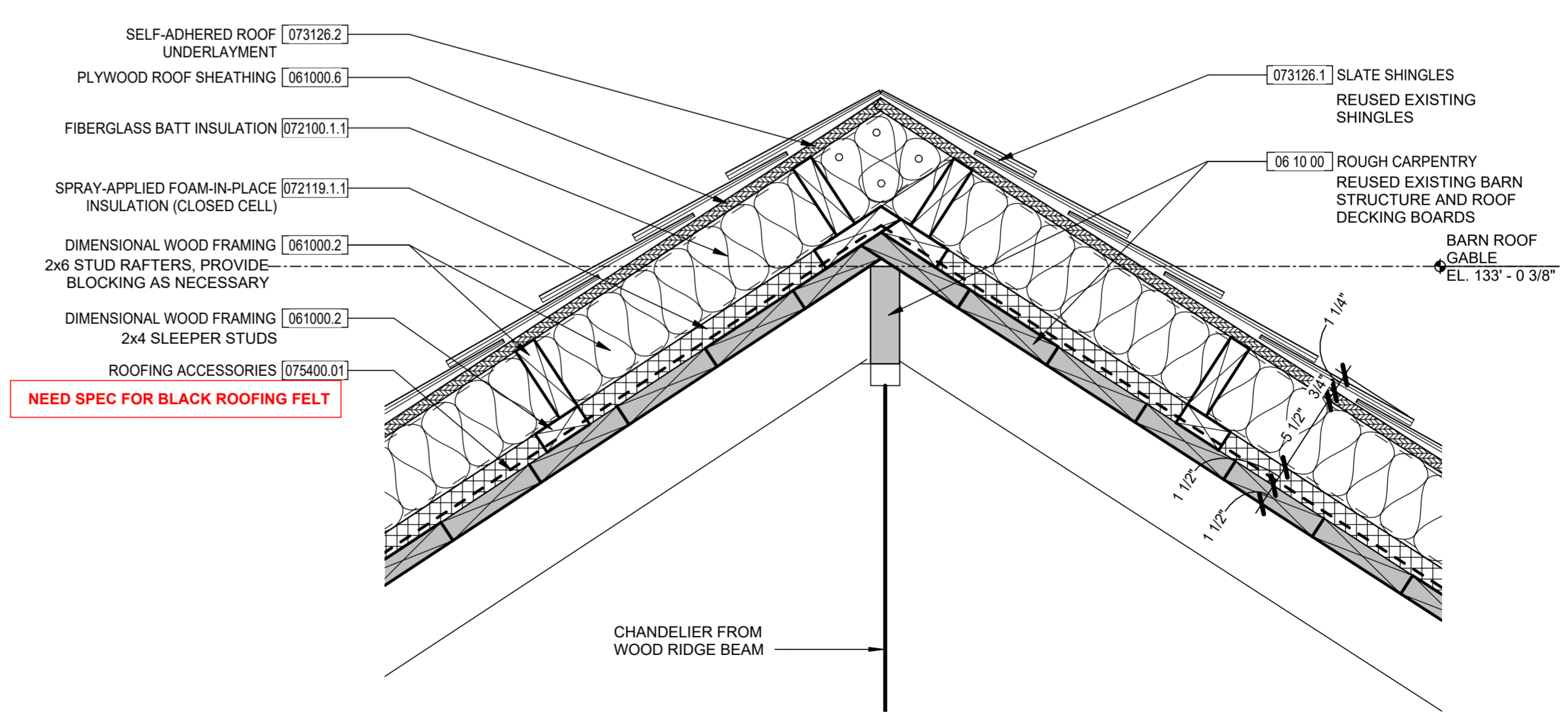
2 BARN CUPOLA
 1" = 1'-0"



1C BARN ROOF - CHANDELIER HOIST ALTERNATE
 1 1/2" = 1'-0"



1B BARN ROOF RIDGE - ALTERNATE
 1 1/2" = 1'-0"



1A BARN ROOF RIDGE
 1 1/2" = 1'-0"

Consultants:

Civil, Structural & MEPT
Korda/Nemeth Engineering
1650 Watermark Drive, Columbus, OH 43215
614-487-1650

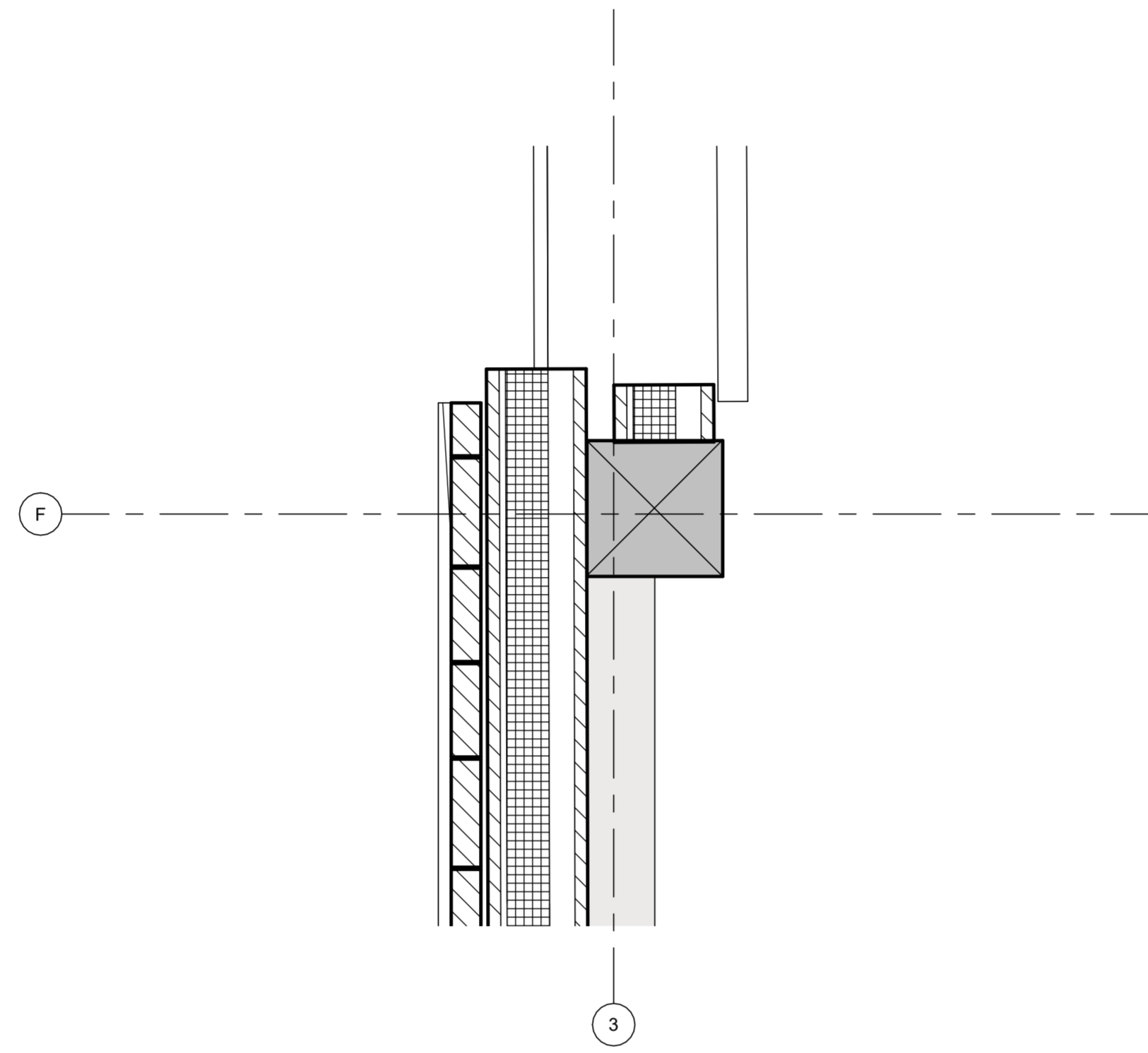
Barn Consultant
Mt. Vernon Barn Co.
7676 Co Rd 19, Fredericktown, OH 43019
614-634-2049

Drawing Issue Dates:

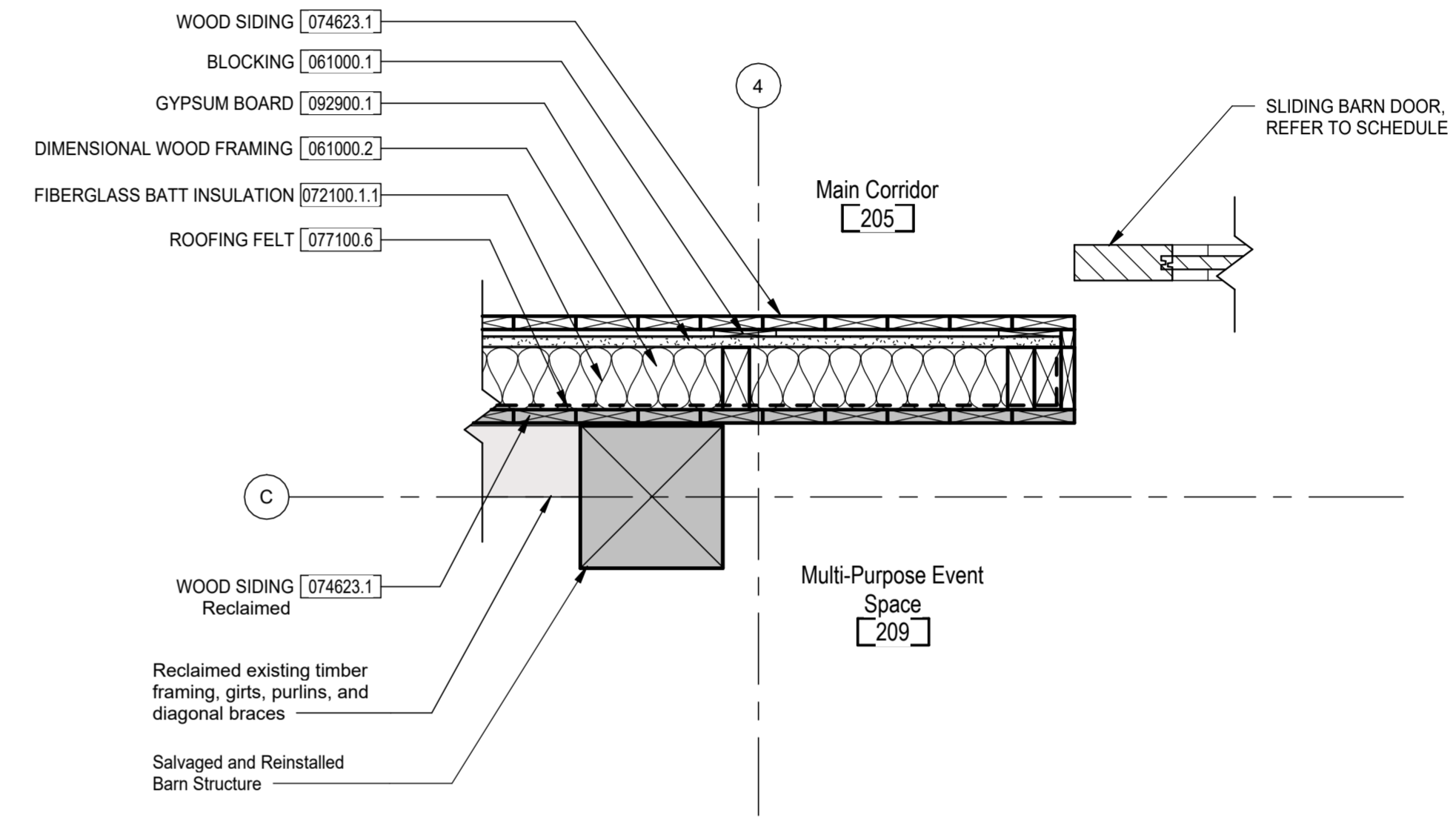
- Design Development Submittal
11/17/2023
- 50% Construction Documents
07/19/2024
- 90% Construction Documents
01/15/2025
- Bid Set / Permit Set
02/14/2025

Revision Schedule

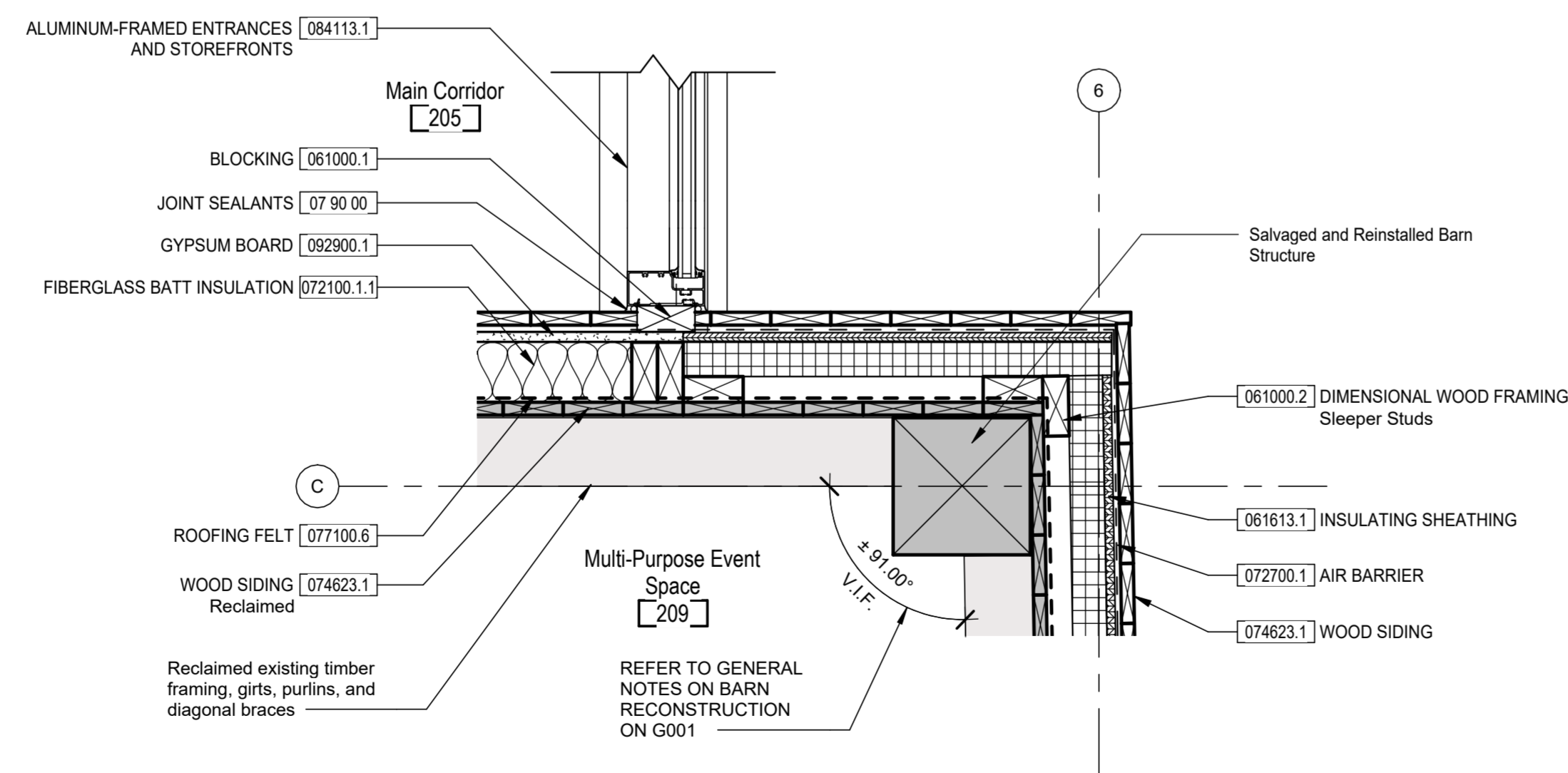
#	Description	Date



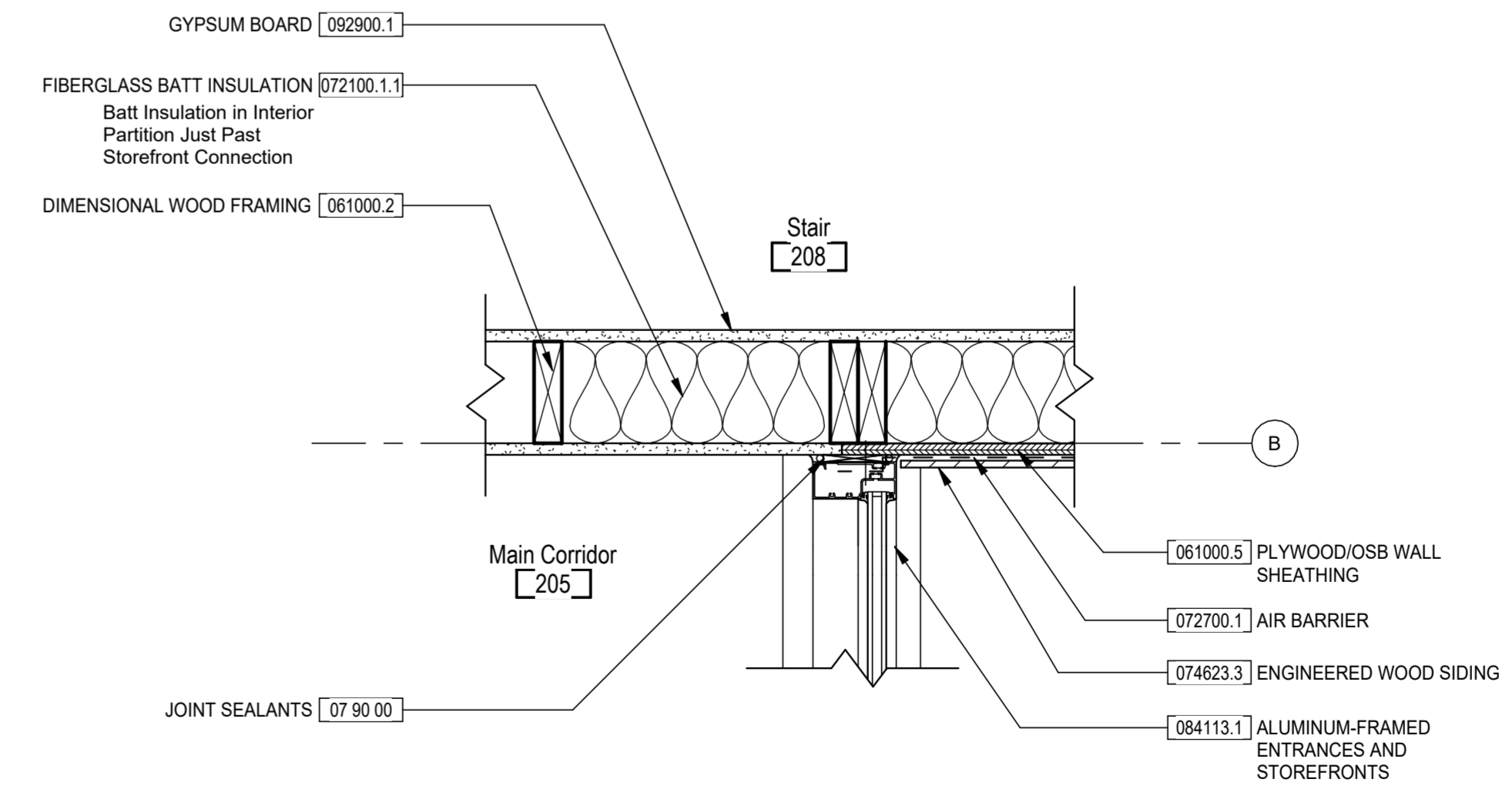
2 JAMB AT BARN GARAGE DOOR WEST
1 1/2" = 1'-0"



1 JAMB AT SLIDING BARN DOOR
1 1/2" = 1'-0"



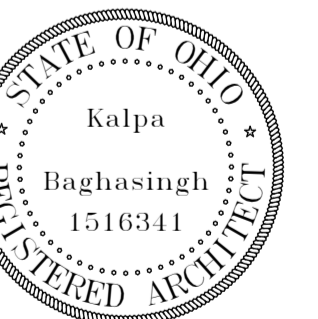
4 EAST STOREFRONT AND NE CORNER OF BARN
1 1/2" = 1'-0"



3 CORRIDOR STOREFRONT EAST
1 1/2" = 1'-0"

Bicentennial Barn -
McCammon Creek
Park

6844 Bale Kenyon Rd
Lewis Center, OH 43035



Kalpa Baghasingh, License #1516341
Expiration Date 12/31/2025

Plan Details

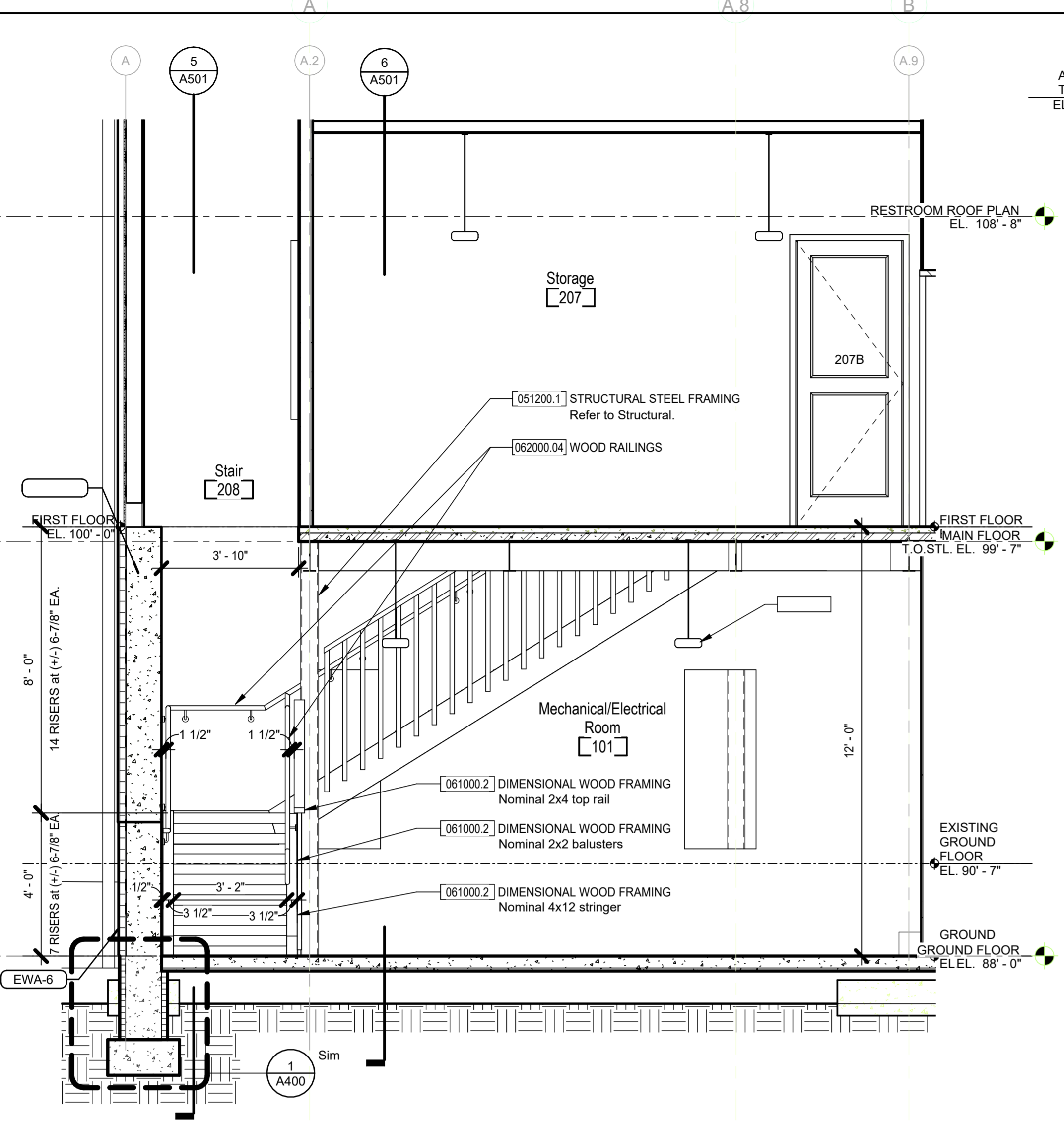
Architectural

A405

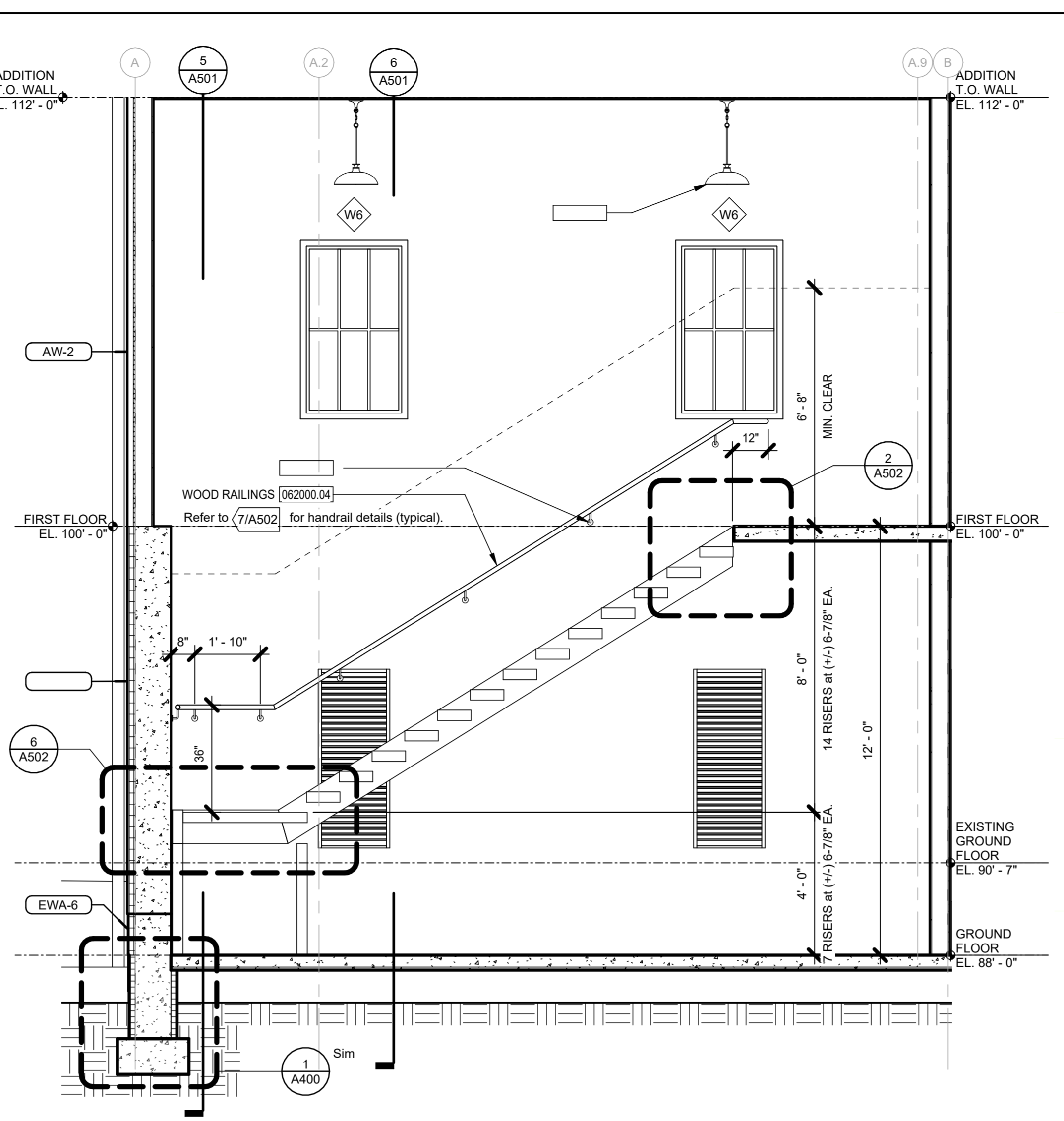
02/14/2025

23070

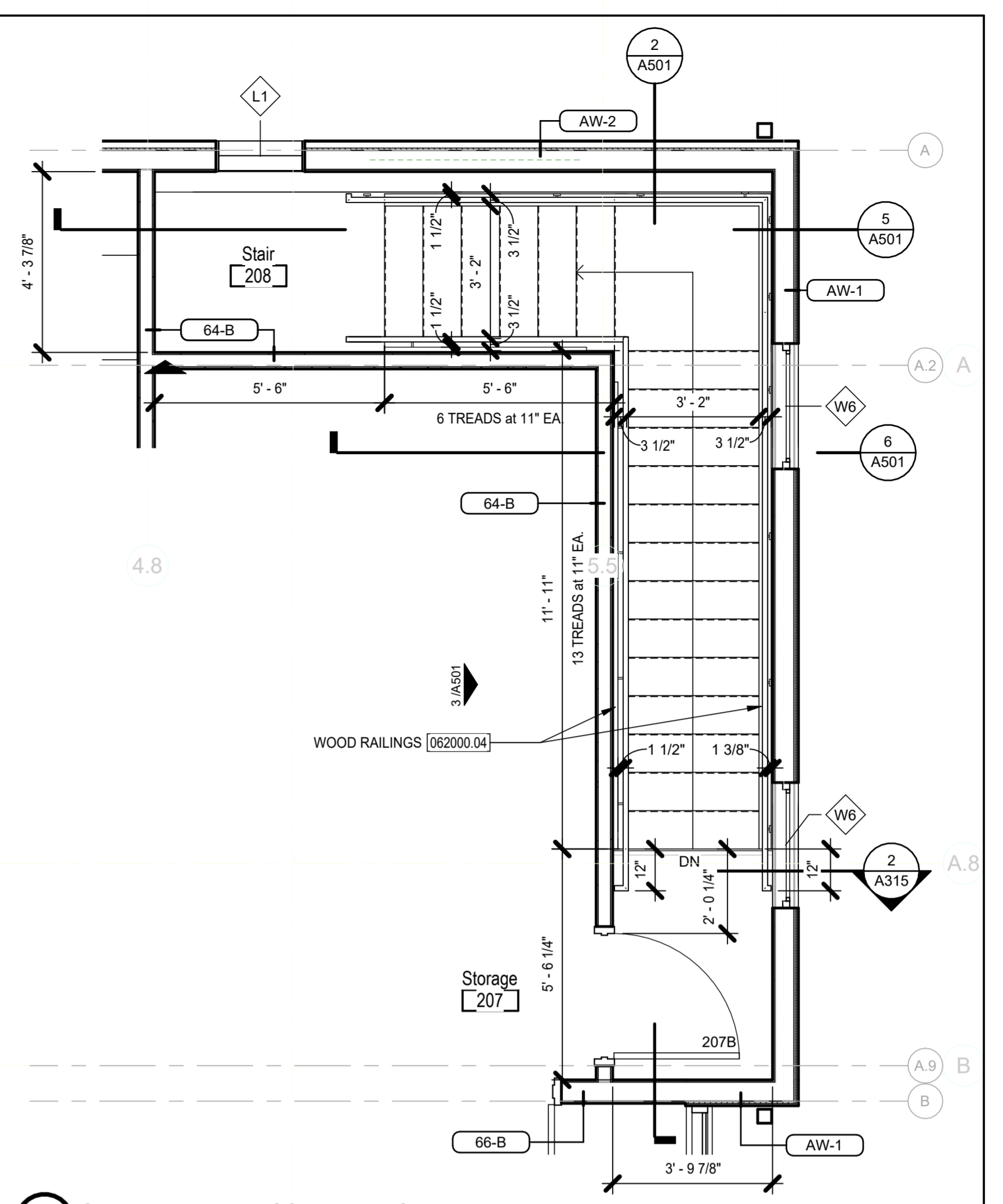
Revision Schedule		
#	Description	Date



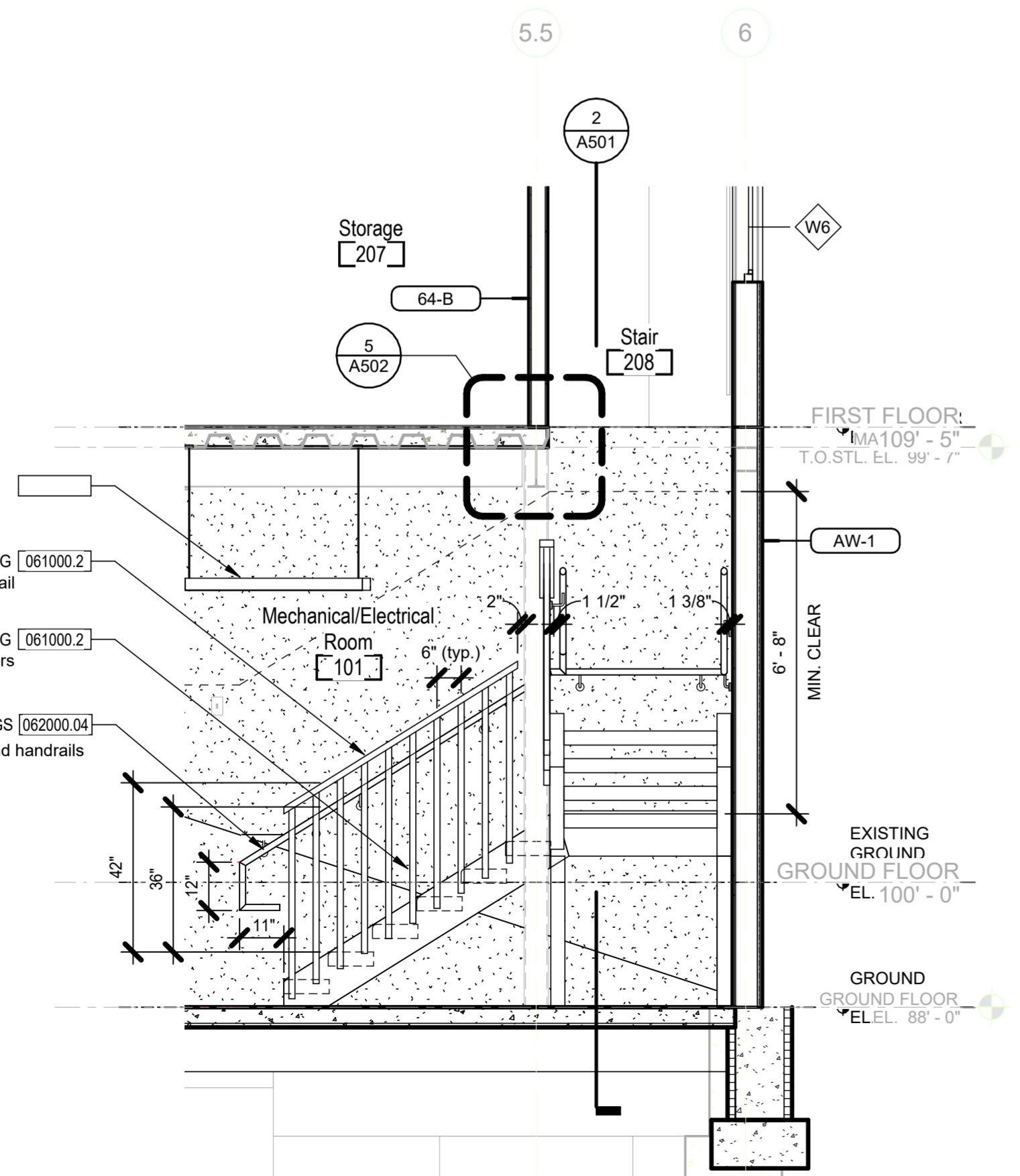
3 STAIR 208 - EAST ELEVATION
 3/8" = 1'-0"



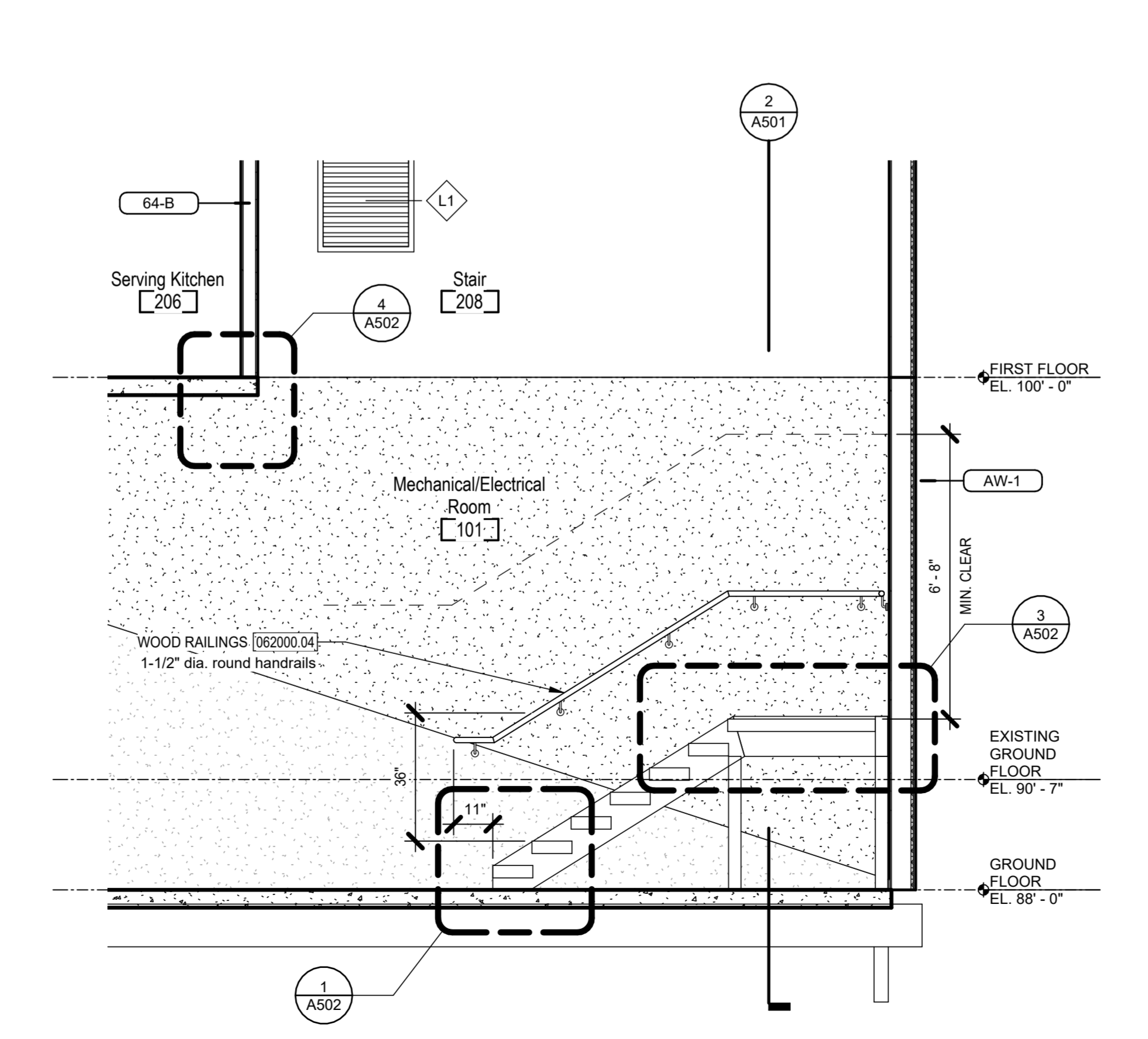
2 STAIR 208 - N/S SECTION LOOKING EAST
 3/8" = 1'-0"



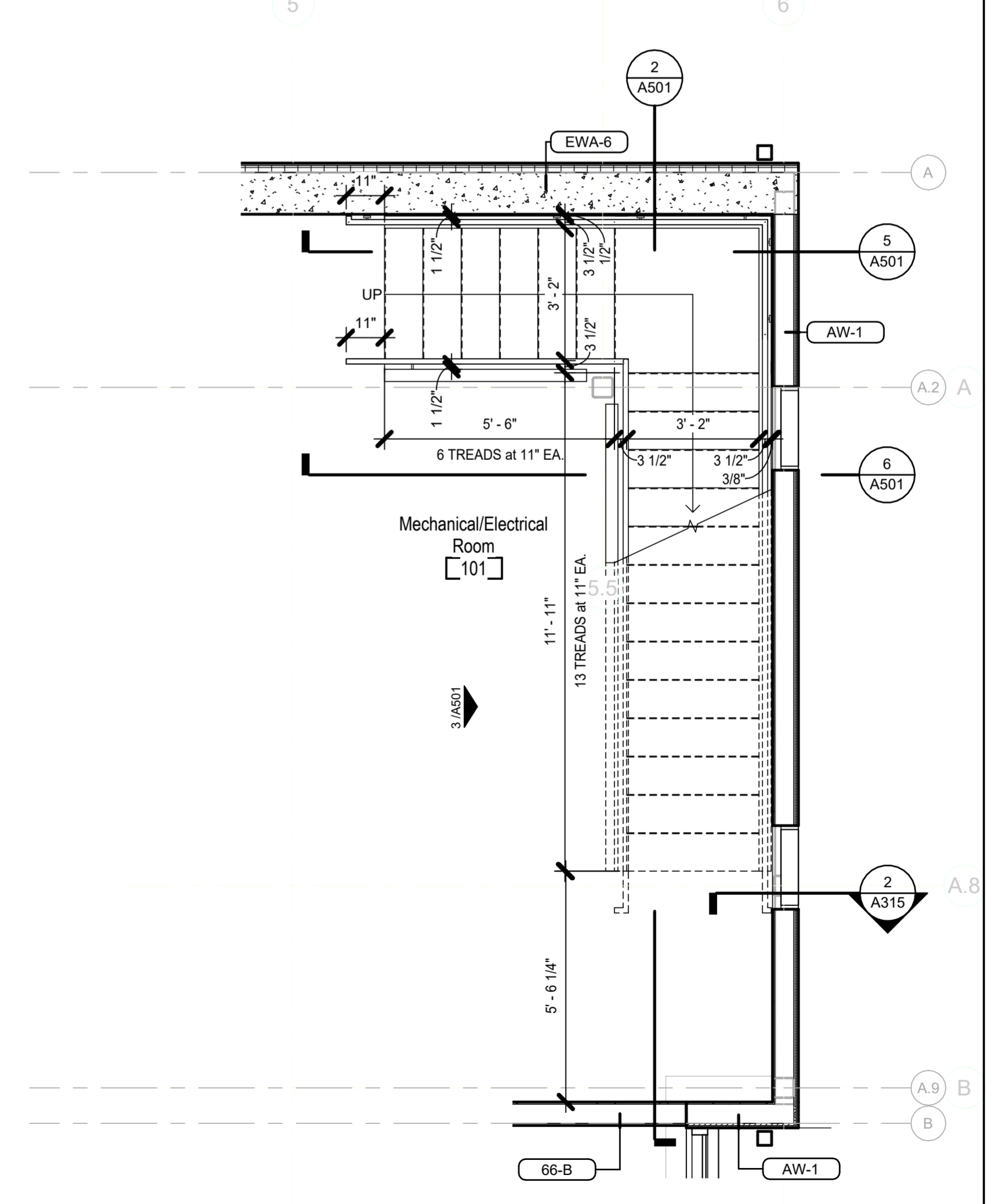
1 STAIR 208 - MAIN FLOOR - ENLARGED PLAN
 3/8" = 1'-0"



6 STAIR 208 - SECTION AT EXTERIOR LOUVER
 3/8" = 1'-0"



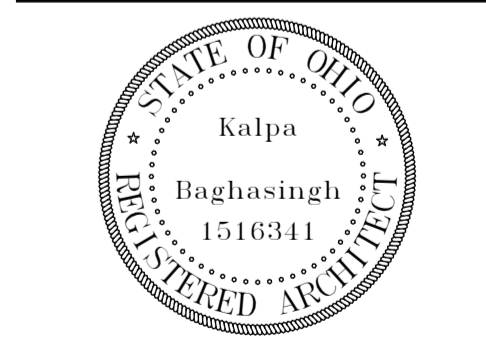
5 STAIR 208 - E/W SECTION LOOKING NORTH
 3/8" = 1'-0"



4 STAIR 208 - GROUND FLOOR - ENLARGED PLAN
 3/8" = 1'-0"

**Bicentennial Barn -
 McCammon Creek
 Park**

6844 Bale Kenyon Rd
 Lewis Center, OH 43035



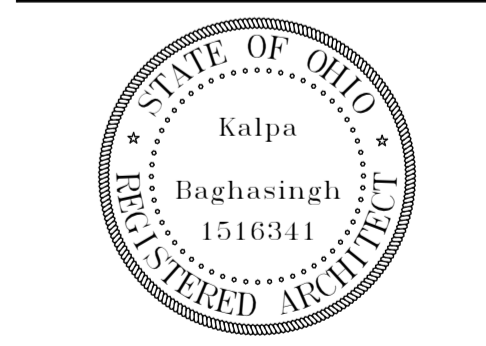
Kalpa Baghasingh, License #1516341
 Expiration Date 12/31/2025

Stair Details

Architectural
A501

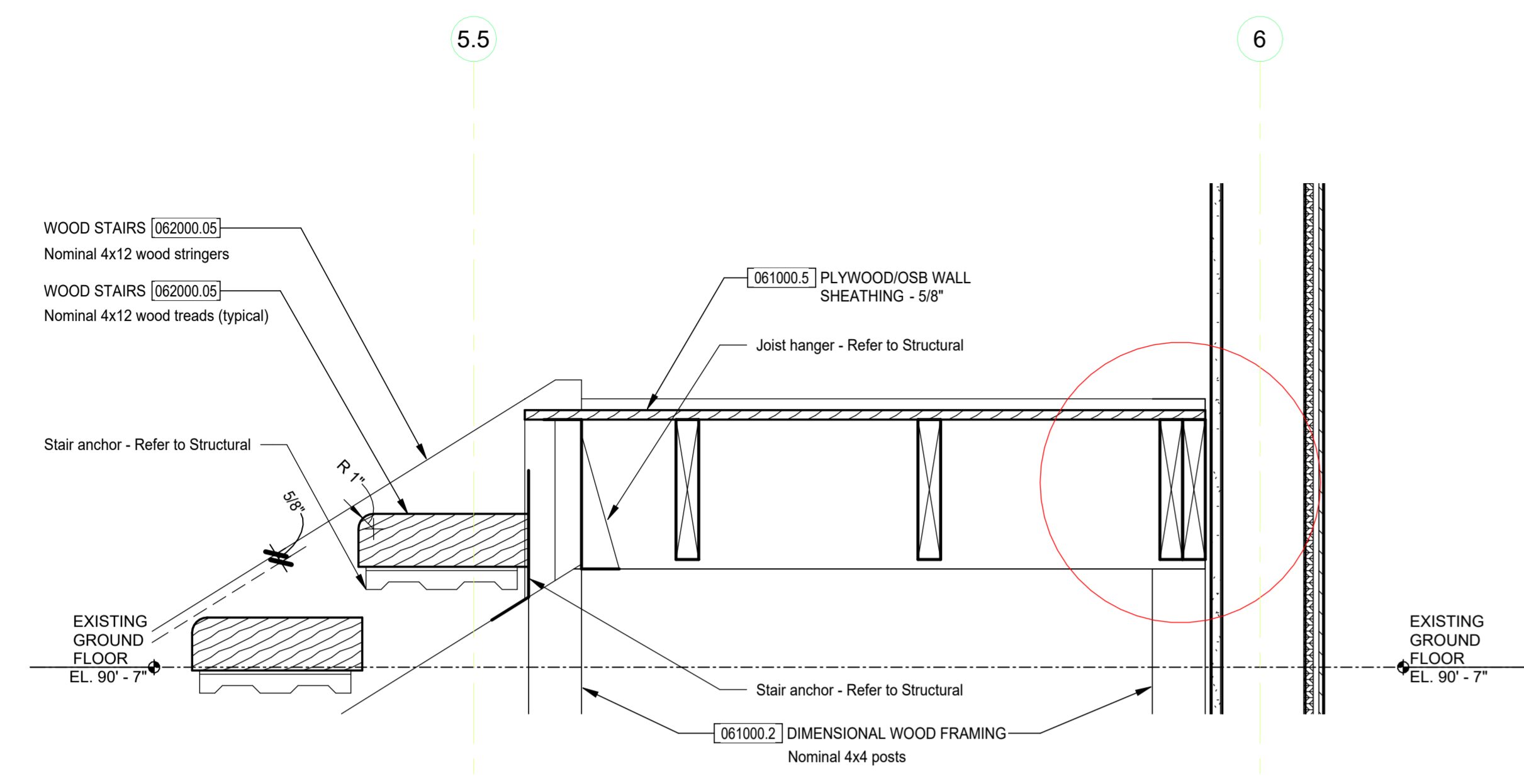
02/14/2025
 23070

Revision Schedule		
#	Description	Date

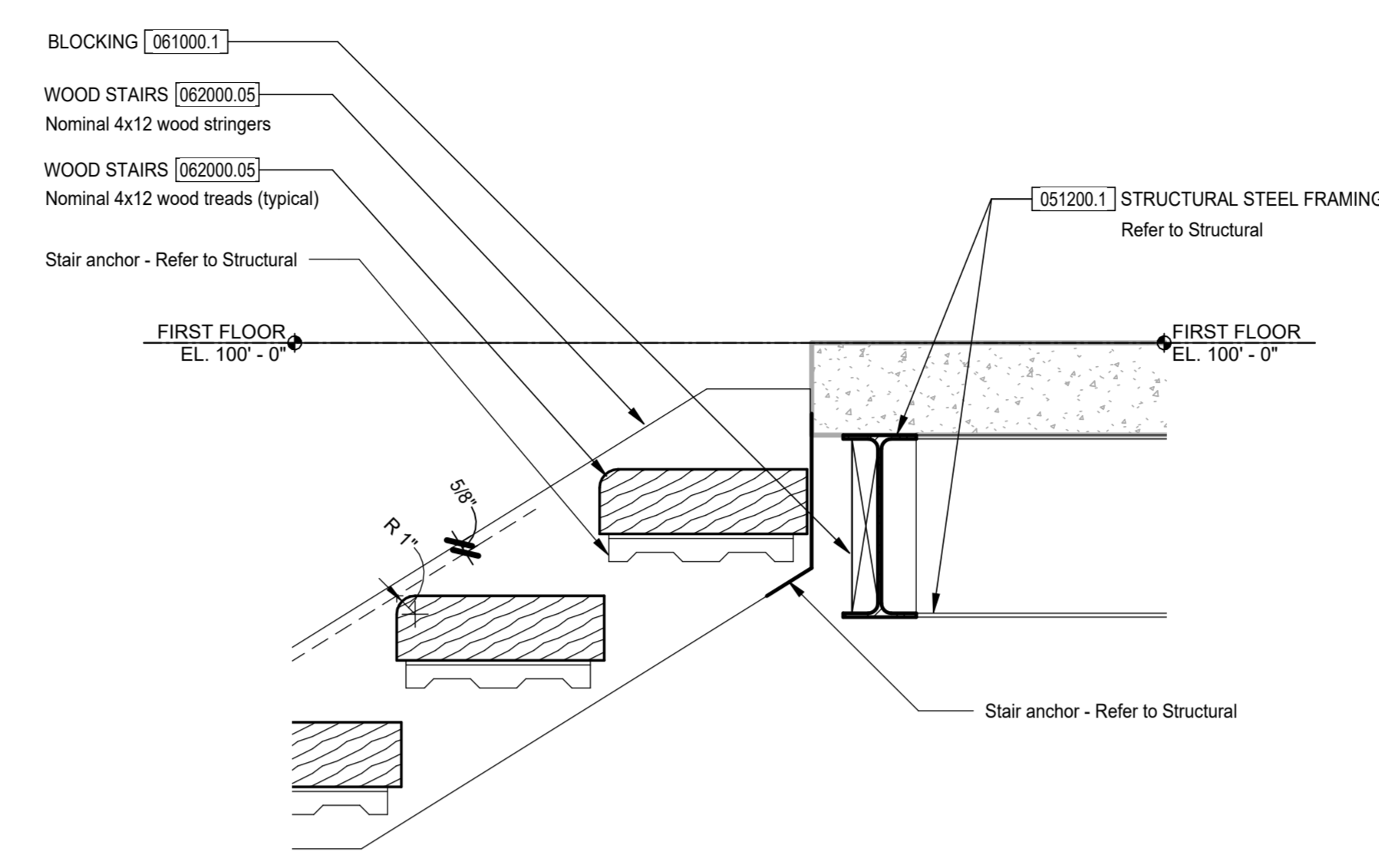


Kalpa Baghasingh, License #1516341
 Expiration Date 12/31/2025

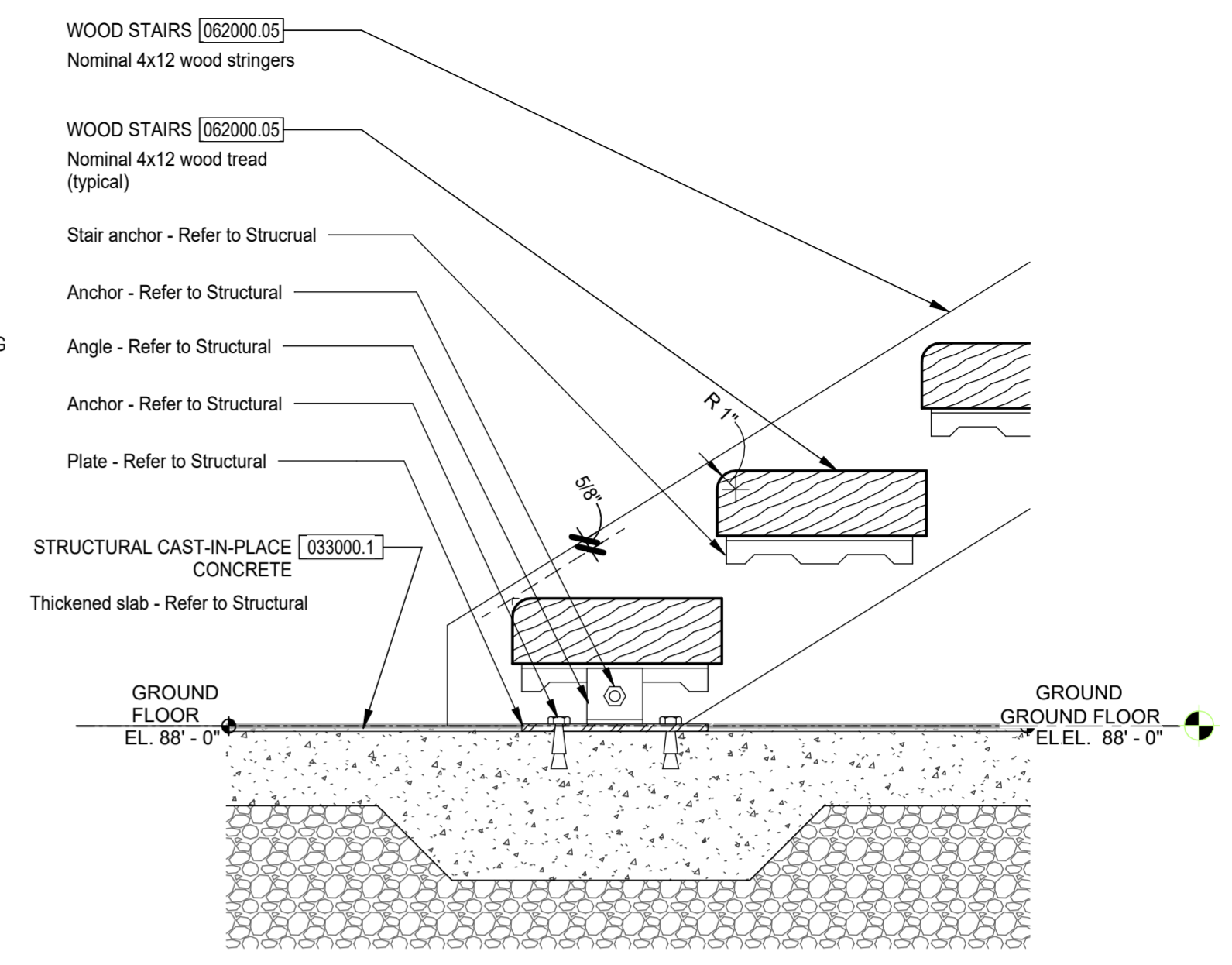
Stair Details -
 Enlarged



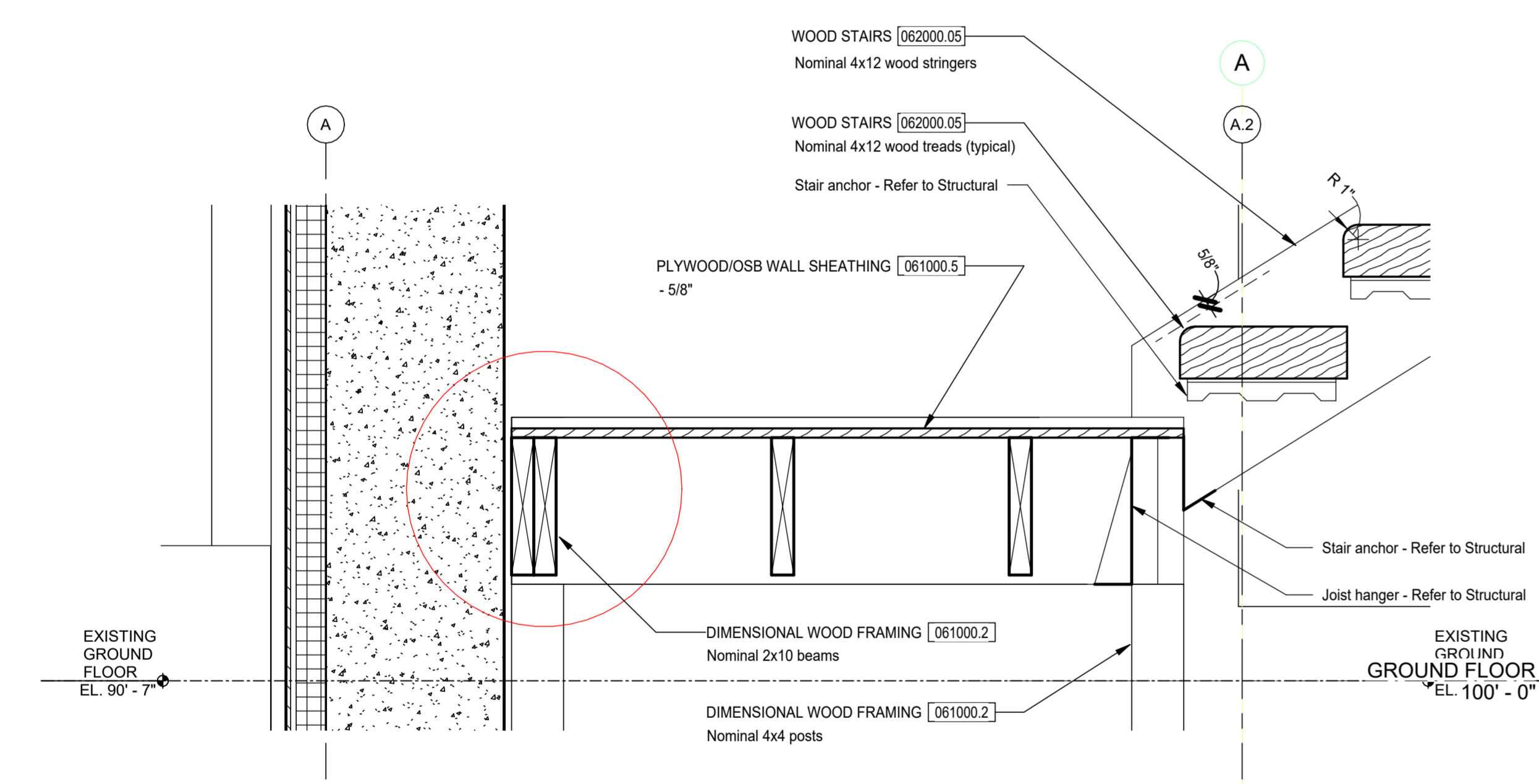
3 STAIR 208 - STRINGER DETAIL AT EWA-2 WALL
 1 1/2" = 1'-0"



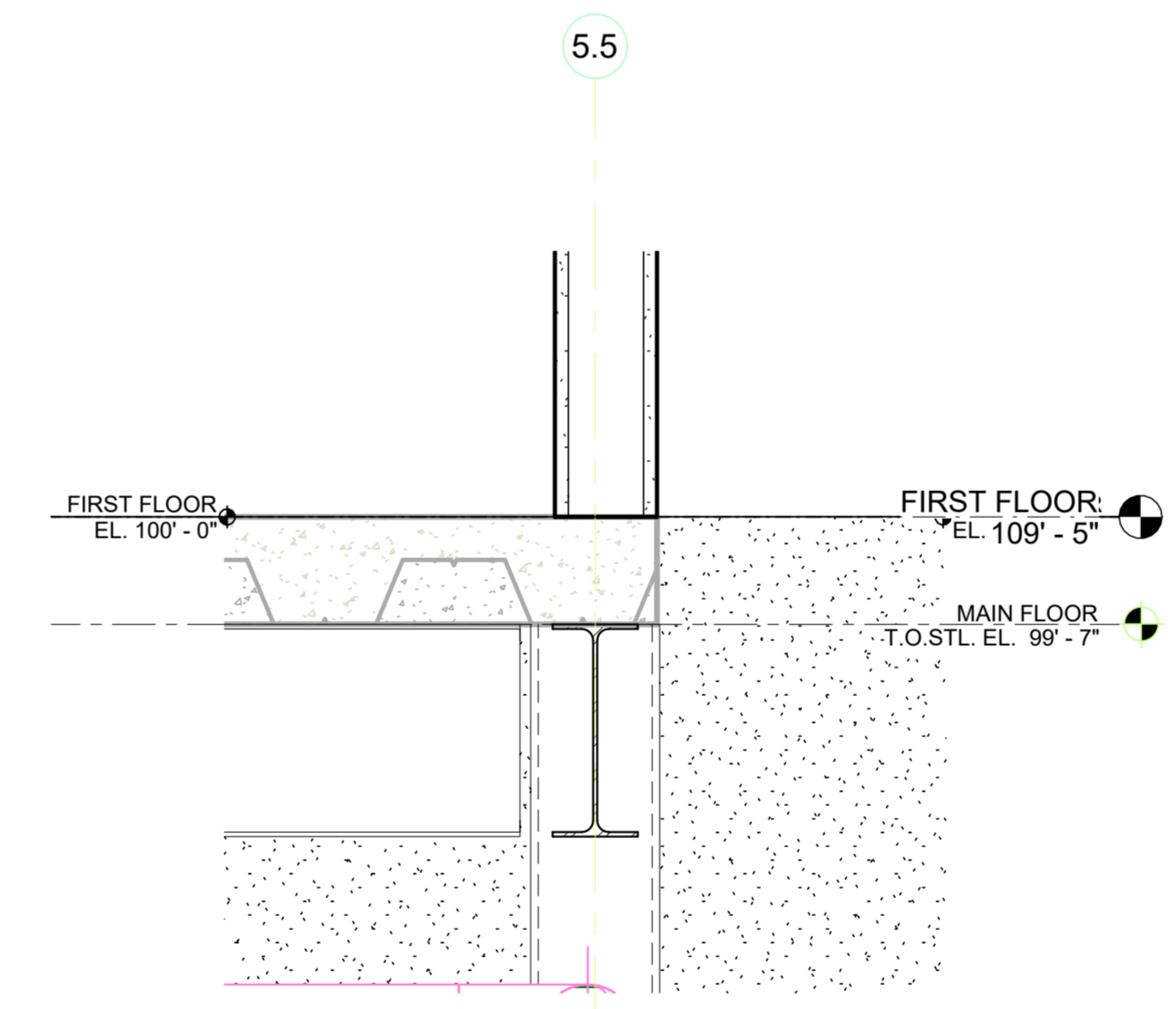
2 STAIR 208 - TOP OF STAIR TO FIRST FLOOR DETAIL
 1 1/2" = 1'-0"



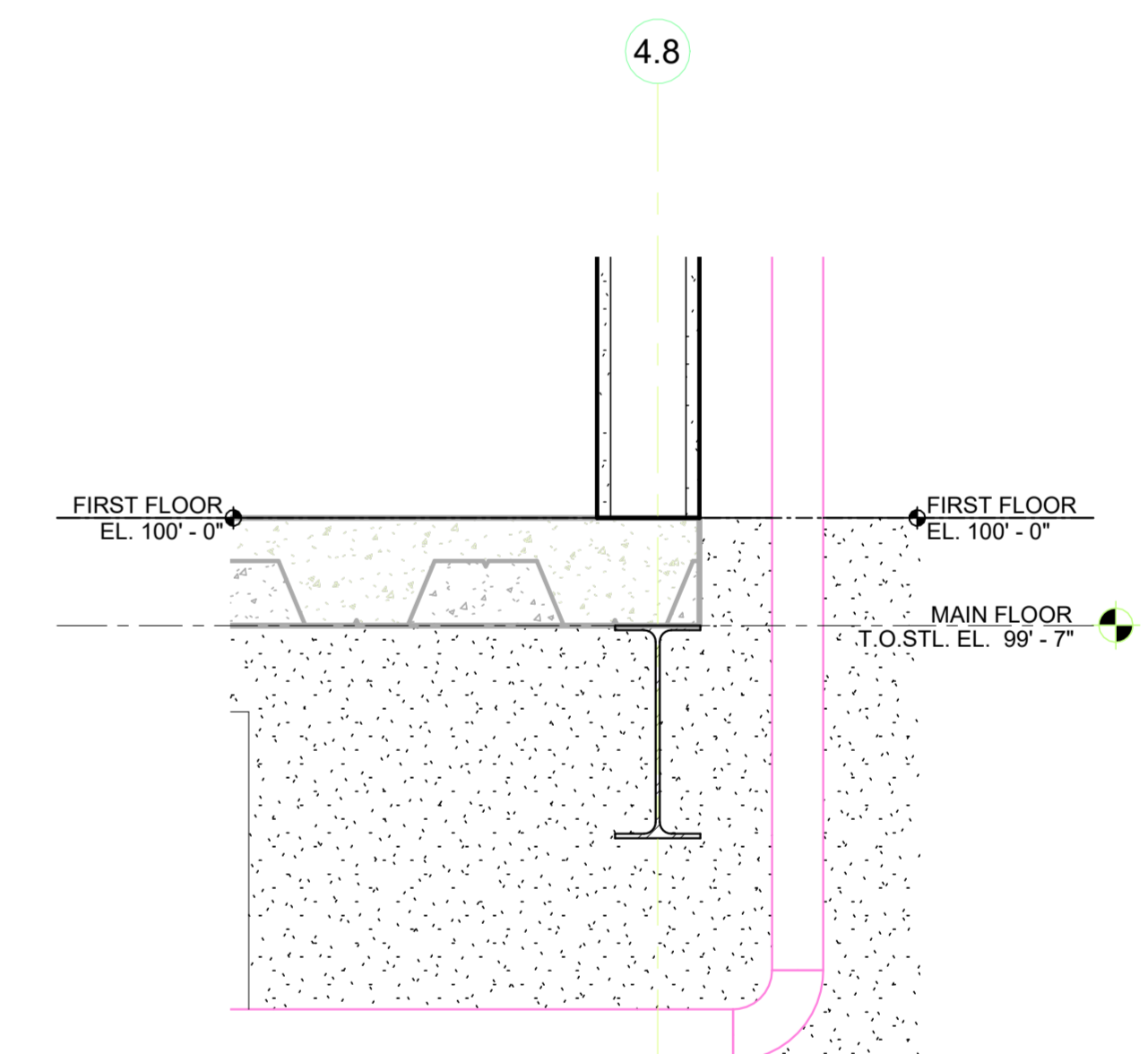
1 STAIR 208 - BASE TO SLAB CONNECTION DETAIL
 1 1/2" = 1'-0"



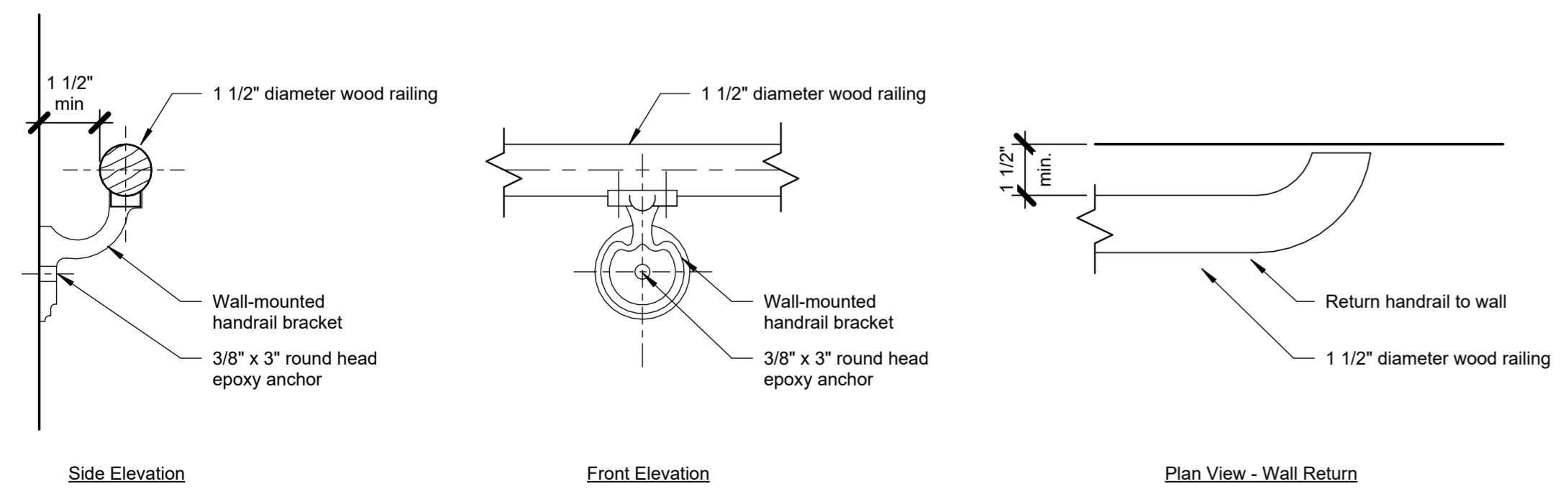
6 STAIR 208 - STRINGER DETAIL AT CONCRETE WALL
 1 1/2" = 1'-0"



5 STAIR 208 - FLOOR/CEILING DETAIL AT STORAGE ROOM
 1 1/2" = 1'-0"

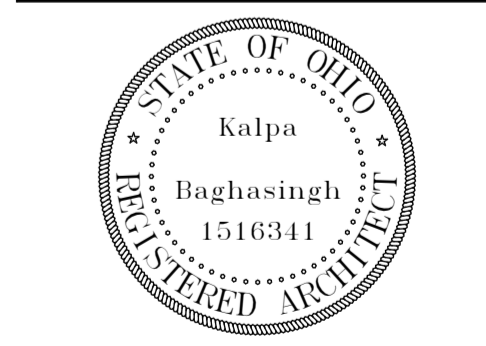


4 STAIR 208 - FLOOR/CEILING DETAIL AT SERVING KITCHEN
 1 1/2" = 1'-0"



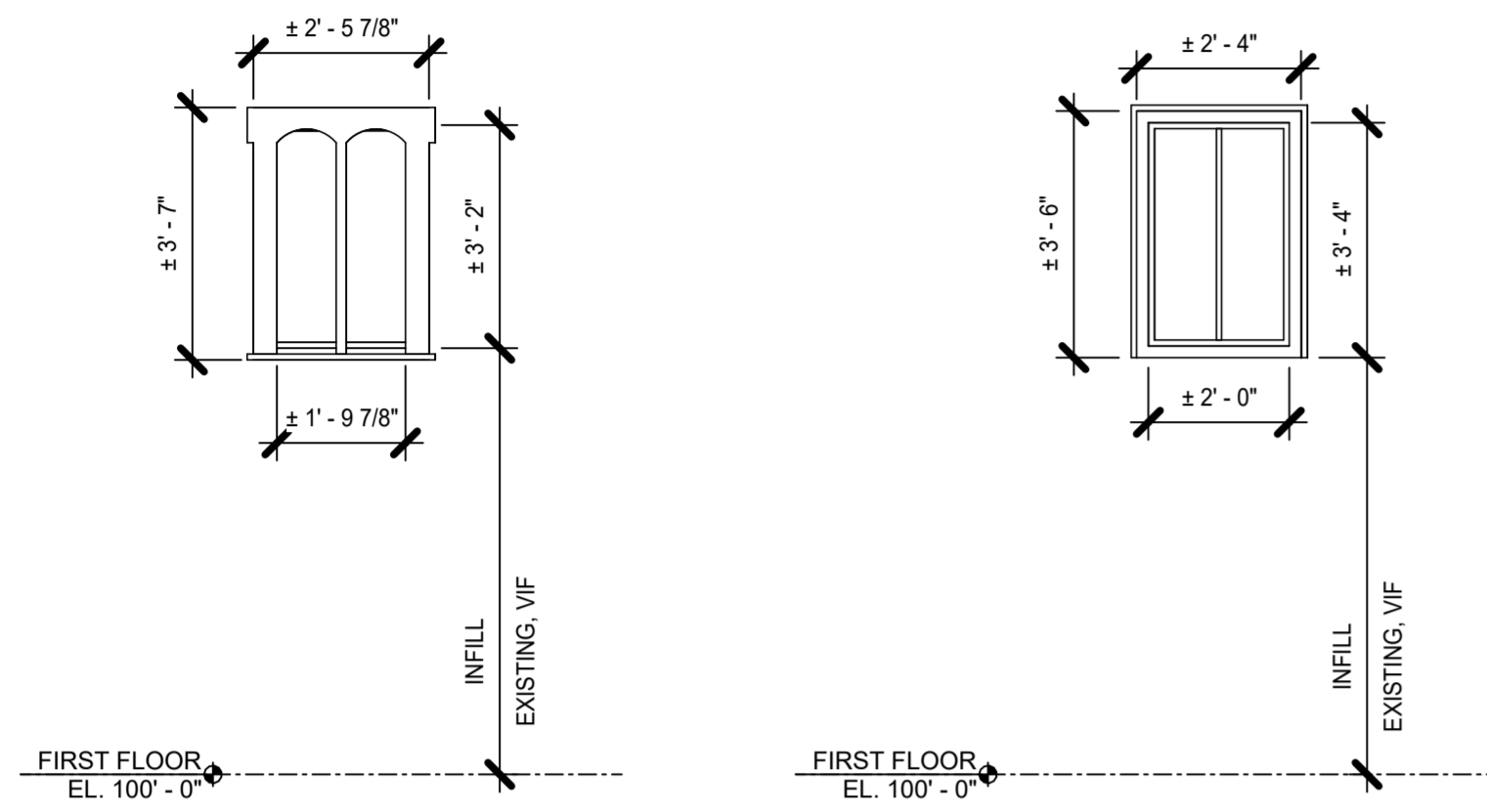
7 WOOD HANDRAIL DETAILS
 3" = 1'-0"

Revision Schedule		
#	Description	Date

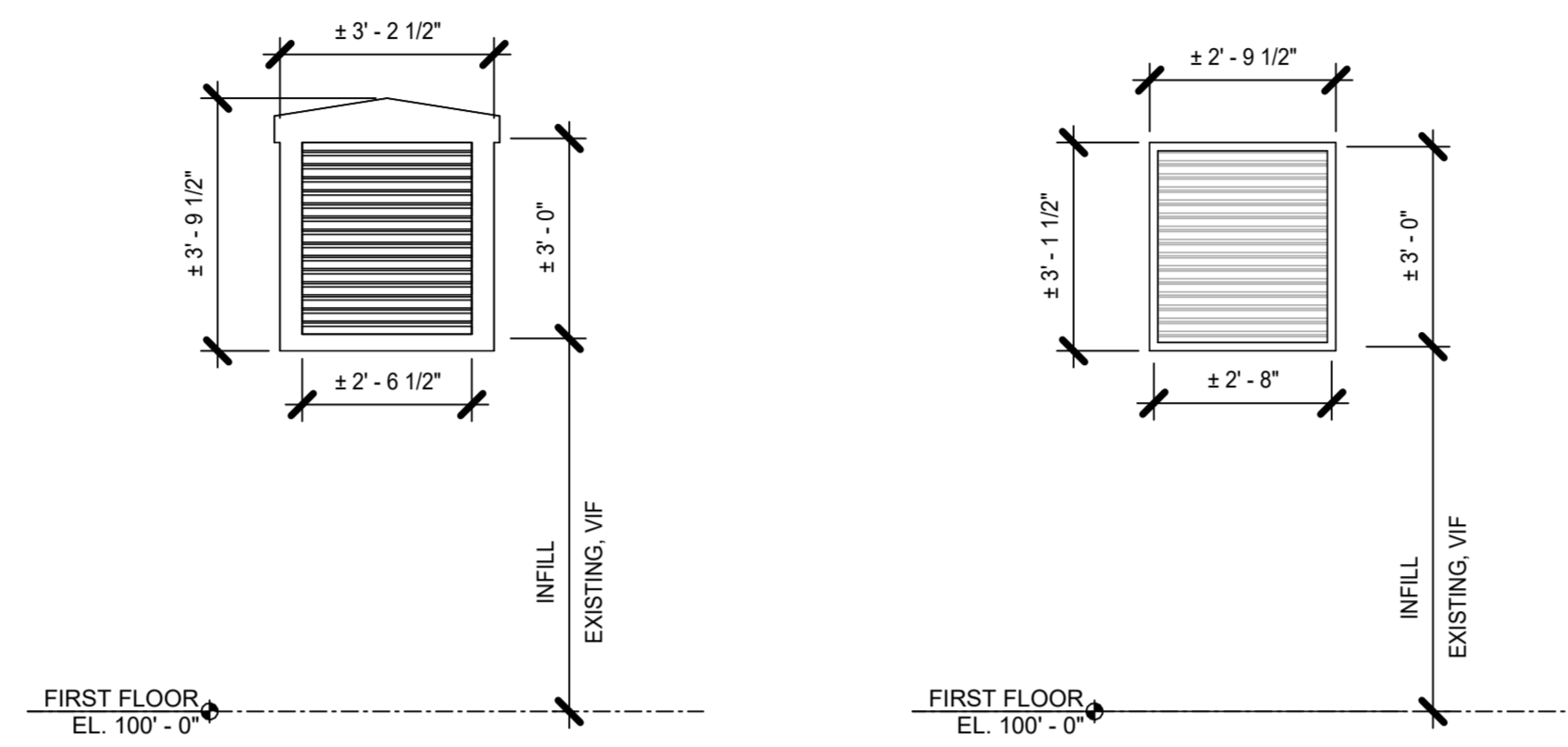


Type	Sill Height	Size		Comments
		Height	Width	
L1	3'-0"	5'-0"	2'-1 1/2"	
W1	<varies>	3'-0"	1'-10 1/2"	Operable window to match size of existing opening. V.I.F. Salvage existing wood louvers and install on exterior side of window.
W2	26'-3"	3'-0"	2'-8"	Operable window to match size of existing opening. V.I.F. Salvage existing wood louvers and install on exterior side of window.
W3	36'-1"	3'-8"	2'-4"	Replace existing louvered opening in cupola with fixed window. Match size of existing opening. V.I.F.
W4	6'-0"	2'-6"	3'-2"	Frosted privacy film to be applied
W5	15'-2"	2'-6"	3'-2"	Dot Pattern bird glass film
W6	3'-0"	5'-0"	3'-0"	Dot Pattern bird glass film
W7	4'-7"	2'-0"	2'-4"	Dot Pattern bird glass film. New window to match size of demolished existing window. V.I.F.

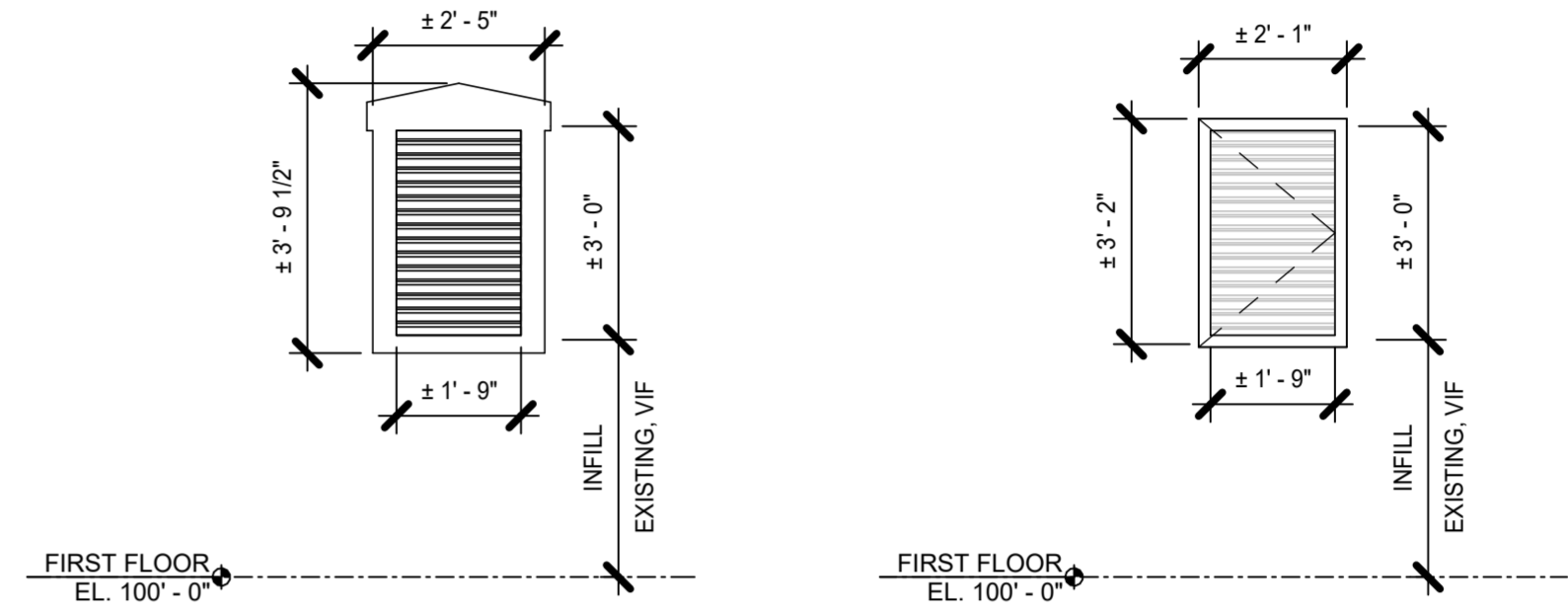
GLAZING TYPES:
GL-1 = 1" Clear Insulated Tempered Vision Glass with AviProtek T 714 Organic, Transparent Bird Glass Film
GL-2 = 1" Clear Insulated Annealed Vision Glass with AviProtek T 714 Organic, Transparent Bird Glass Film
GL-3 = 1/2" Clear Tempered Vision Glass with AviProtek T 714 Organic, Transparent Bird Glass Film



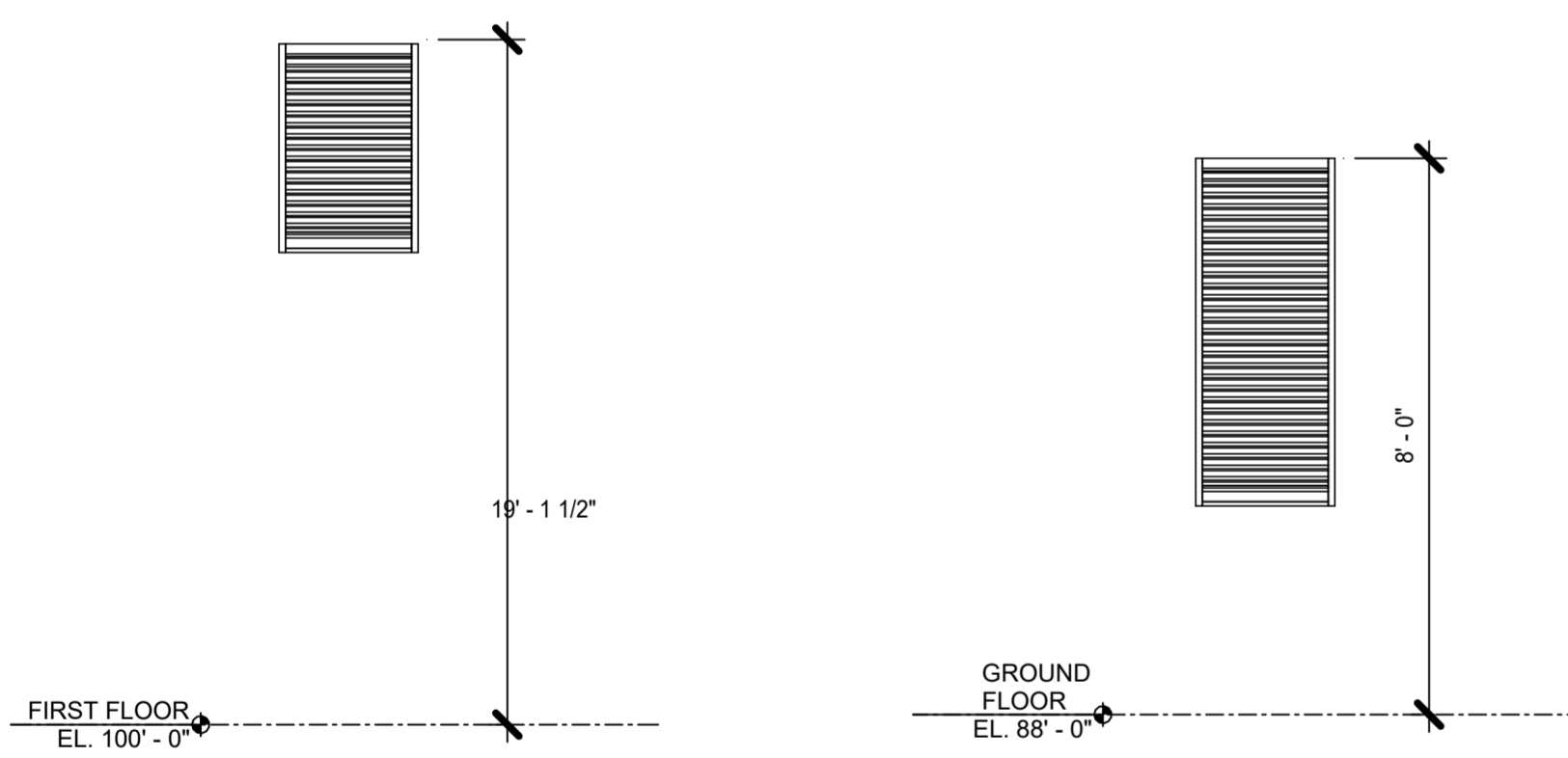
W3 COUPOLA WINDOW
3/8" = 1'-0"



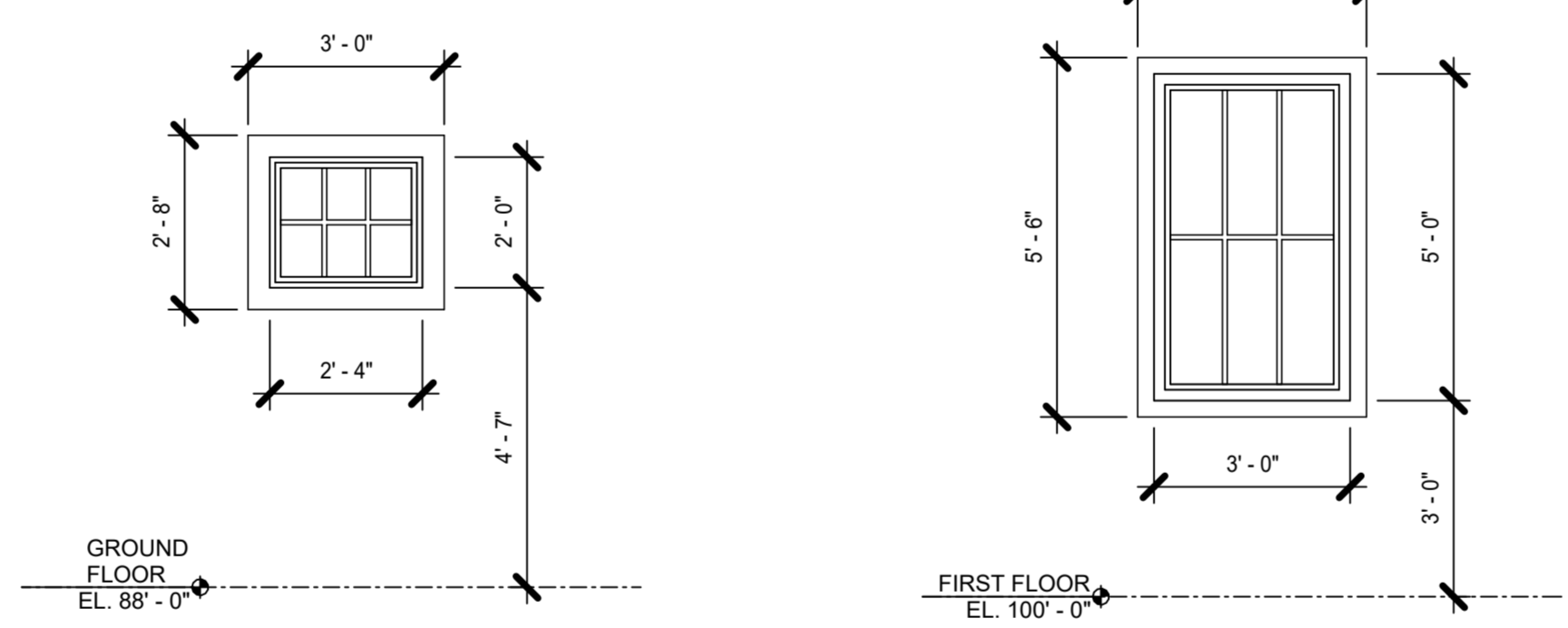
W2 BARN WINDOW + LOUVER 2
3/8" = 1'-0"



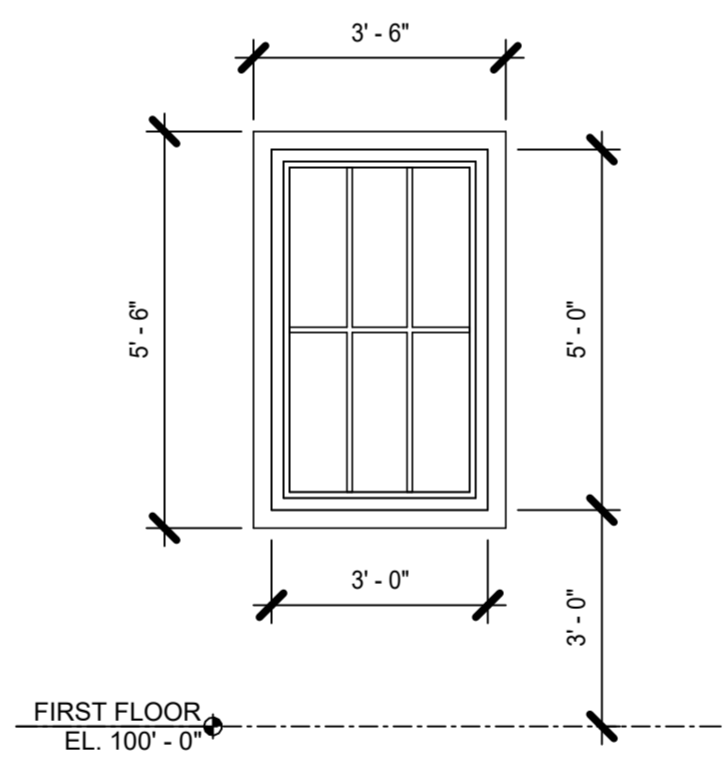
W1 BARN WINDOW + LOUVER
3/8" = 1'-0"



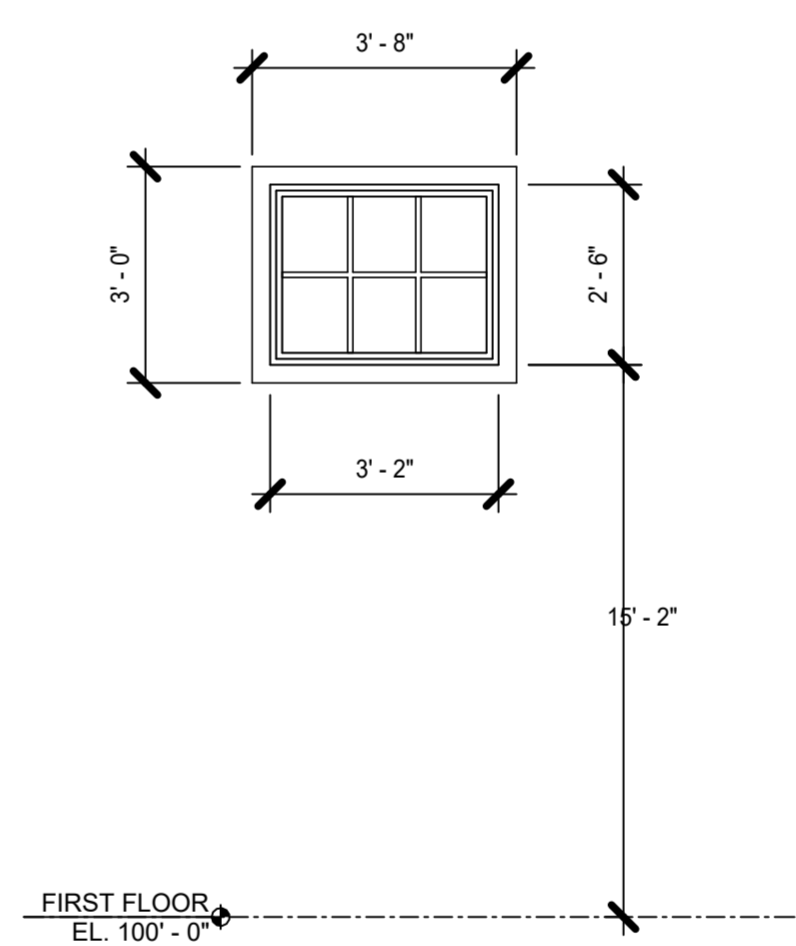
L2 ADDITION GABLE VENT
3/8" = 1'-0"



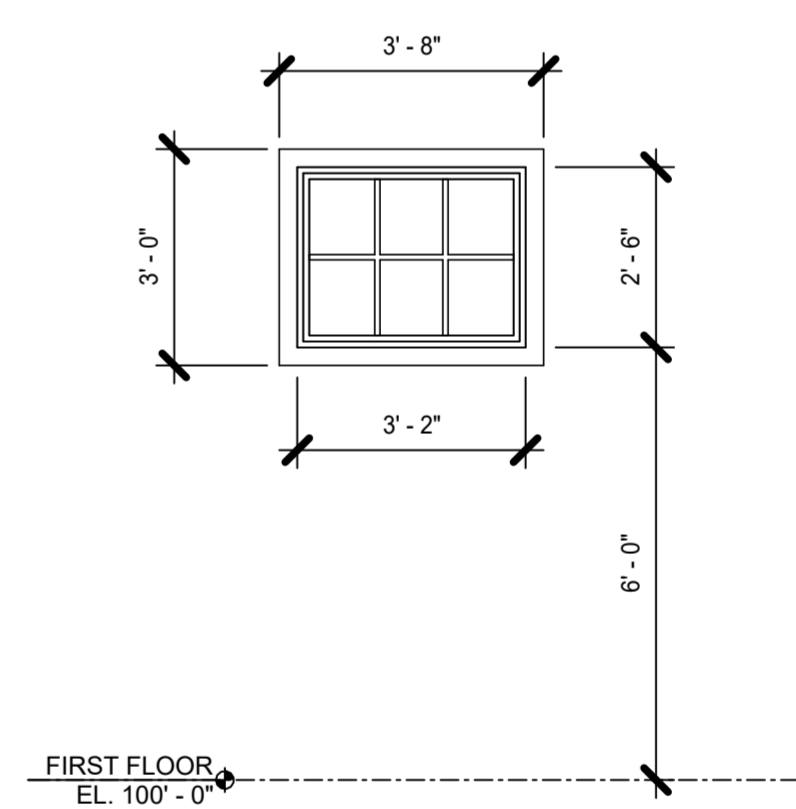
W7 BARN GROUND FLOOR WINDOW
3/8" = 1'-0"



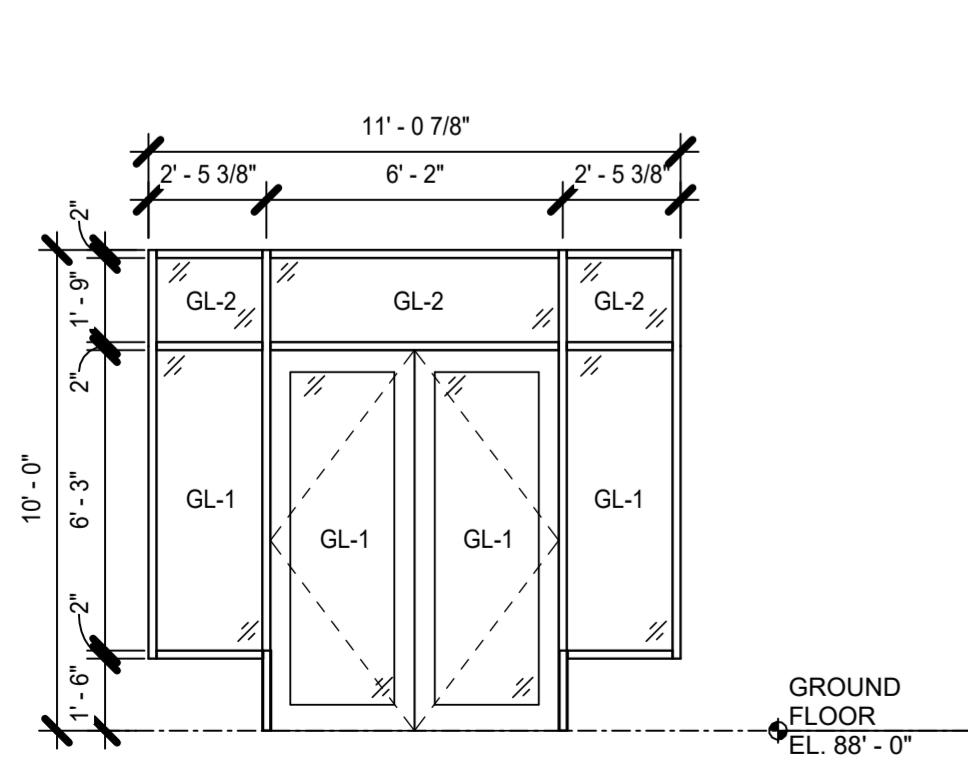
W6 ADDITION NORTH WINDOW
3/8" = 1'-0"



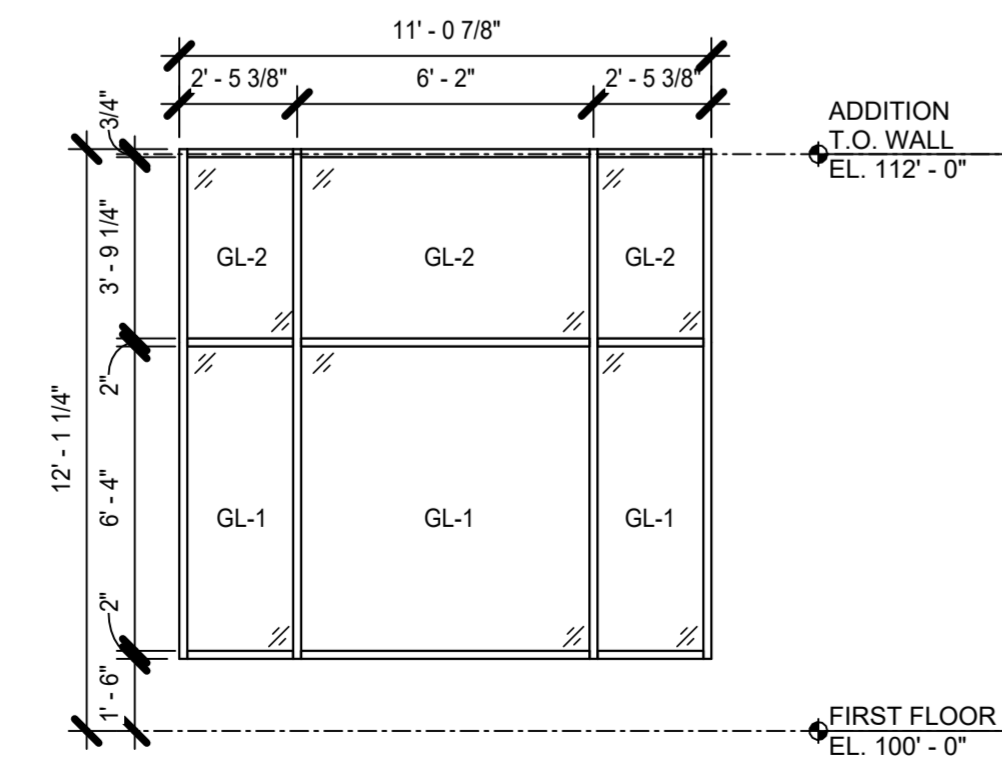
W5 BARN WEST FIXED WINDOW
3/8" = 1'-0"



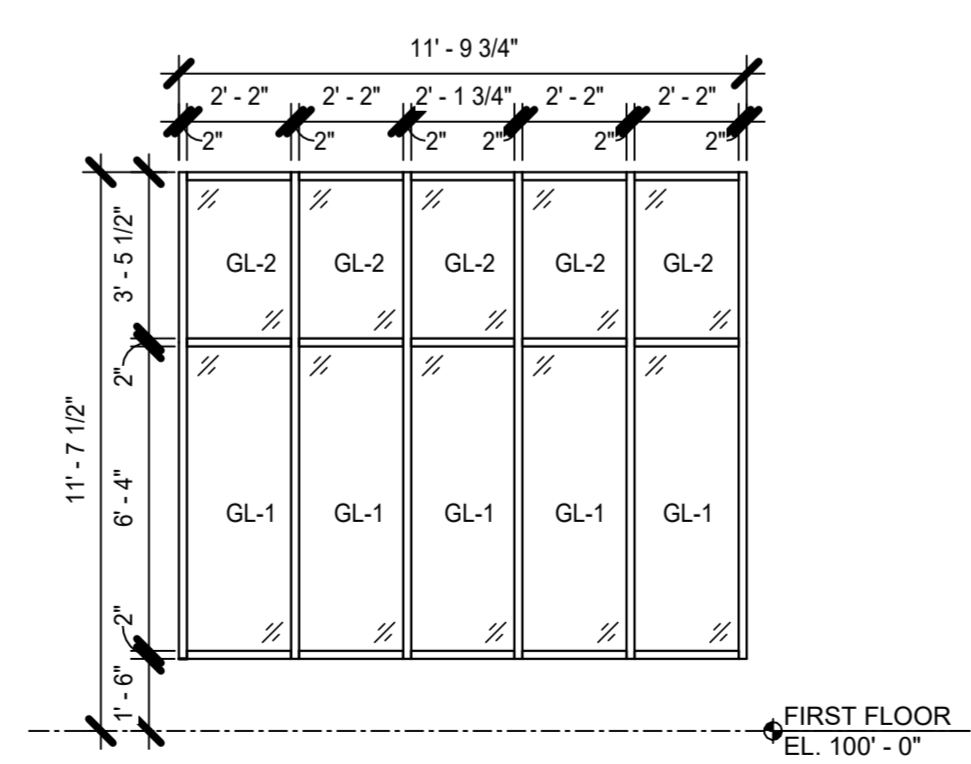
W4 RESTROOM FIXED WINDOW
3/8" = 1'-0"



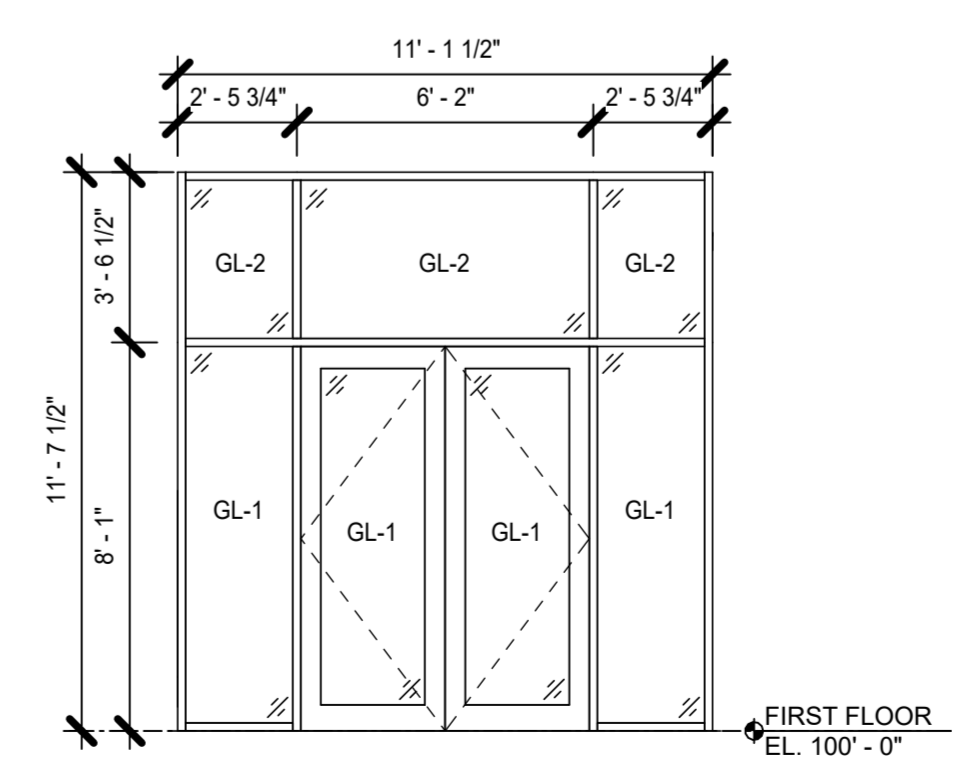
S5 EAST STOREFRONT - GROUND FLOOR
1/4" = 1'-0"



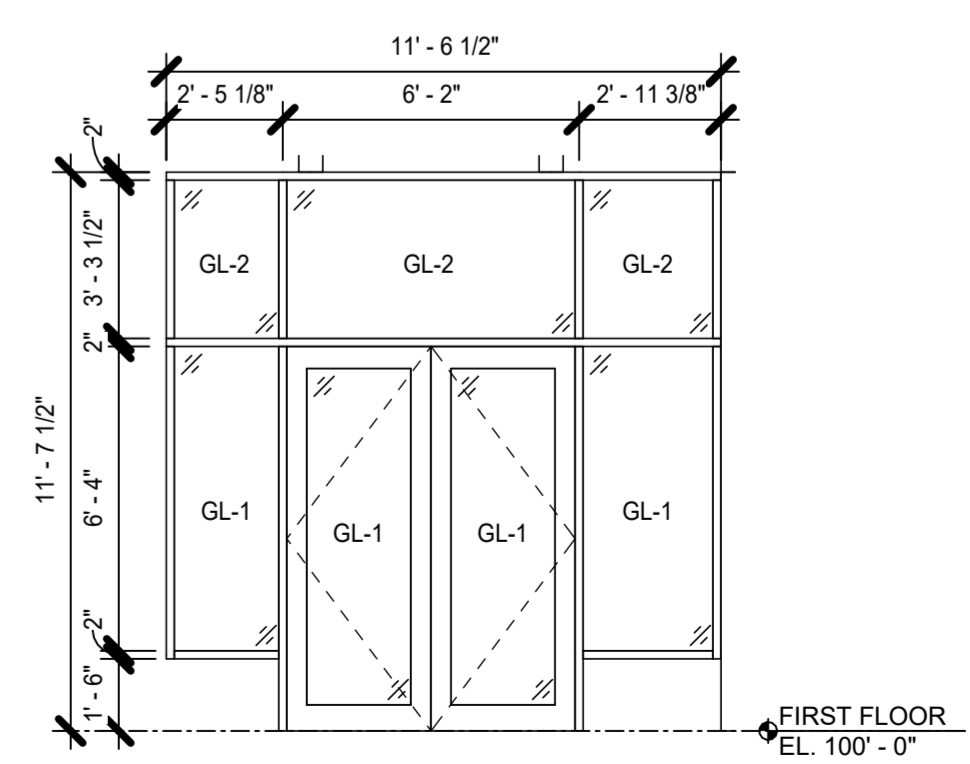
S4 EAST STOREFRONT - MAIN FLOOR
1/4" = 1'-0"



S3 SOUTH STOREFRONT ELEVATION
1/4" = 1'-0"



S2 VESTIBULE INTERIOR STOREFRONT
1/4" = 1'-0"



S1 WEST STOREFRONT ENTRY
1/4" = 1'-0"

Revision Schedule		
#	Description	Date

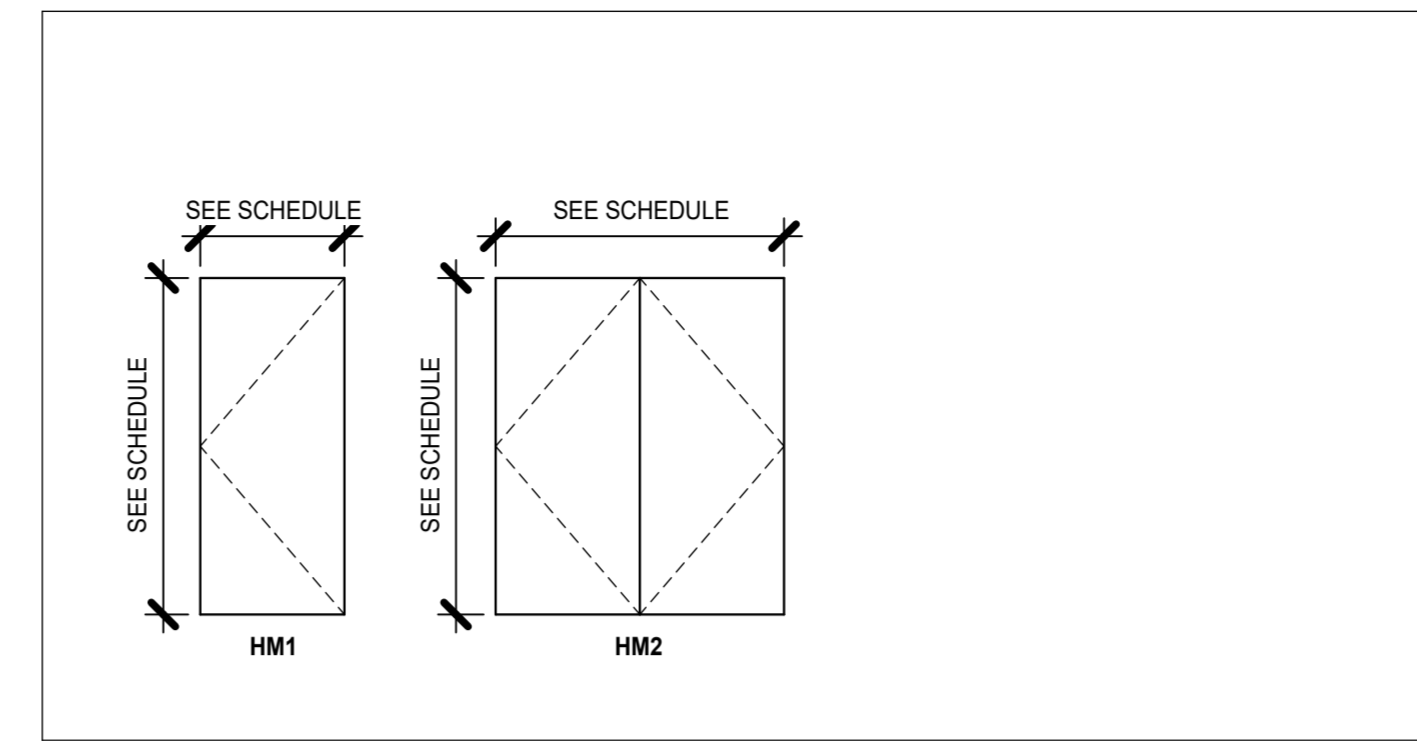
Door & Frame Schedule												
DOOR MARK	TYPE	DOOR			FINISH	GLAZING TYPE	FRAME			HARDWARE		REMARKS
		W	H	THK			HEAD	JAMB	SILL	SET NO	ELECTRICAL	
GROUND FLOOR												
100A	AL2	6'-0"	7'-11"	1 3/4"	FF	GL-1			S1	FF		
100B	HM1	3'-0"	7'-0"	1 3/4"					FH1			Clapboard siding on exterior side of door to match adjacent barn exterior siding
101	HM2	6'-0"	7'-0"	1 3/4"	PT01				FH1	PT01		
FIRST FLOOR												
200A	AL2	6'-0"	8'-0"	1 3/4"	FF	GL-1			S1	FF		
200B	AL2	6'-0"	8'-0"	1 3/4"	FF	GL-1			S1	FF		
201	DH62	3'-0"	6'-8"	1 3/8"	TR				FH2	PT01		
202	DH62	3'-0"	6'-8"	1 3/8"	TR				FH2	PT01		
203	DH62	3'-0"	6'-8"	1 3/8"	TR				FH2	PT01		
204	DH63	3'-0"	7'-0"	1 3/8"	TR				FH2	PT01		
206	DH63	3'-0"	7'-0"	1 3/8"	TR				FH2	PT01		
207A	WD2	6'-0"	7'-0"	1 3/4"	PT01				FH1	PT01		
207B	HM1	3'-0"	8'-0"	1 3/4"	PT01				FH1	PT01		
207C	DH60	6'-0"	3'-11 3/4"	1 3/4"	TR							
209A	WD3	8'-0"	6'-8"	1 3/4"	TR / PT					TR / PT		Sliding door with barn door hardware. Corridor side to be painted PT-5, Event Space side to be TR
209B	WD1	3'-0"	7'-0"	1 3/4"	TR / PT				FH2	TR / PT		Corridor side to be painted PT-5, Event Space side to be TR
209C	HM1	3'-0"	8'-0"	1 3/4"	PT01				FH2	TR		Clapboard siding on interior and exterior side of door to match adjacent barn exterior siding

Overhead Door Schedule											
DOOR MARK	DOOR TYPE	Opening Width	Opening Height	SIZE THK	FINISH	GLAZING TYPE	HEAD	JAMB	SILL DETAIL	ELECTRICAL	REMARKS
FIRST FLOOR											
209D	OHD1	12'-10"	12'-5"	1 3/4"	Charcoal	GL-3				Powered + Key Operated	Contractor to apply bird glass film similar to storefront system

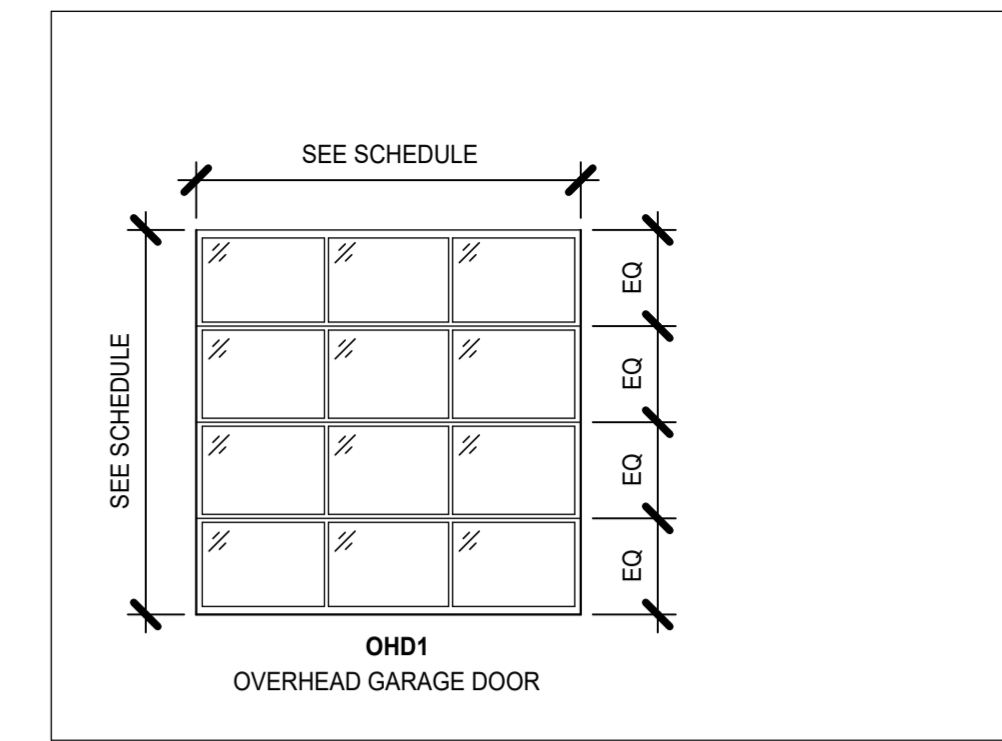
DOOR NOTES

- A. NUMBER:
The door number matches the room number. When more than one door exists per room, the first door is followed with 'A', the second door 'B', etc.
 - B. All doors are to have a 3/4" undercut U.N.O.
 - C. FINISH:
CA - Clear Anodized
FF - Factory Finish (Charcoal)
PT - Paint - Refer to Finish Schedule
WS - Wood Stain and Polyurethane
TR - Polyurethane
 - D. GLAZING:
GL-1 = 1" Clear Insulated Tempered Vision Glass with AviProtek T 714 Organic, Transparent Bird Glass Film
GL-2 = 1" Clear Insulated Annealed Vision Glass with AviProtek T 714 Organic, Transparent Bird Glass Film
GL-3 = 1/2" Clear Tempered Vision Glass with AviProtek T 714 Organic, Transparent Bird Glass Film
 - E. HARDWARE SET:
See specifications for description of hardware sets.
 - F. ELECTRICAL:
Electrical contractor to provide power to door hardware power supply.
- GL-1 = 1" Clear Insulated Tempered Vision Glass with AviProtek T 714 Organic, Transparent Bird Glass Film
GL-2 = 1" Clear Insulated Annealed Vision Glass with AviProtek T 714 Organic, Transparent Bird Glass Film

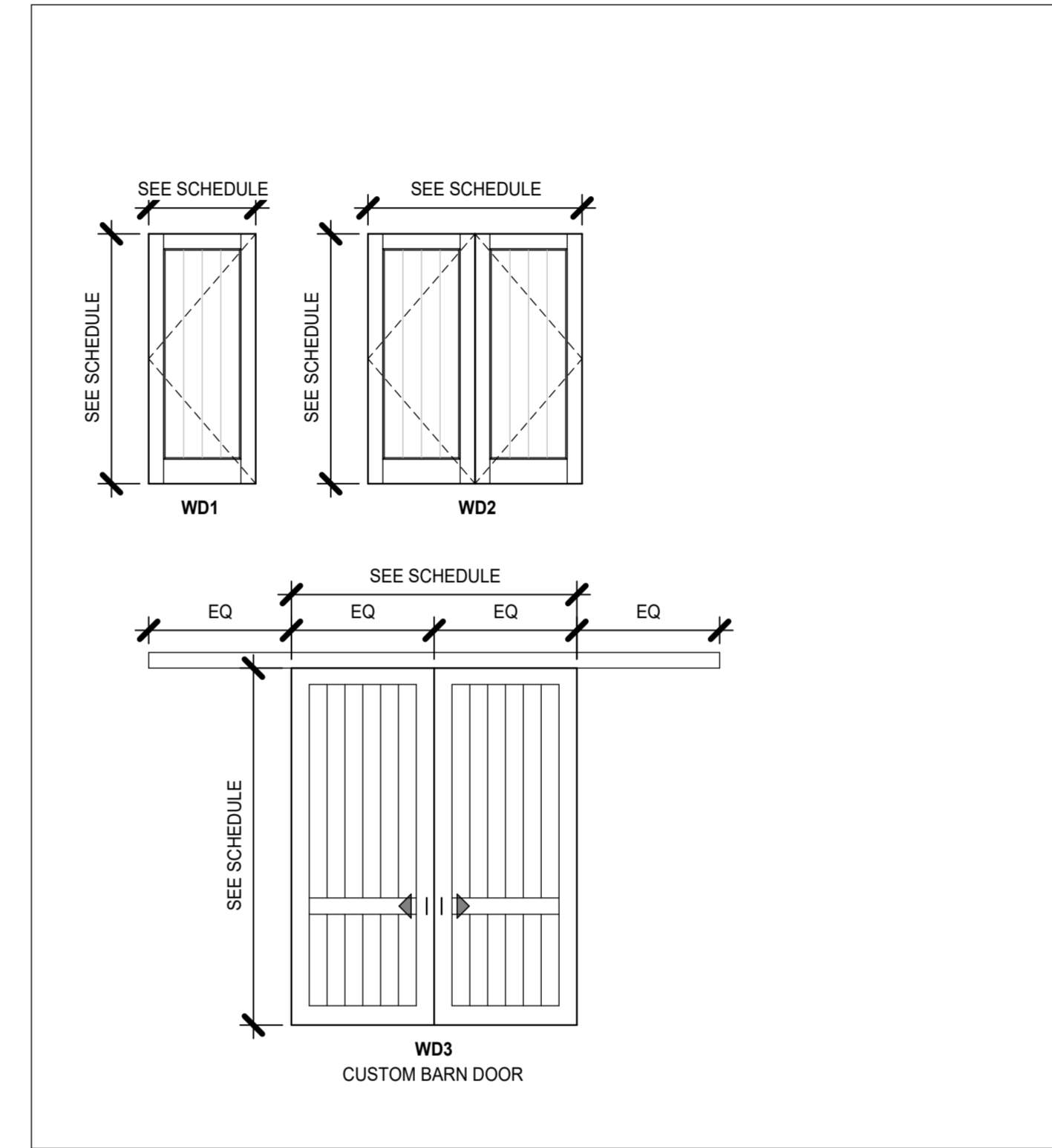
081113.1 - HOLLOW METAL DOOR TYPES



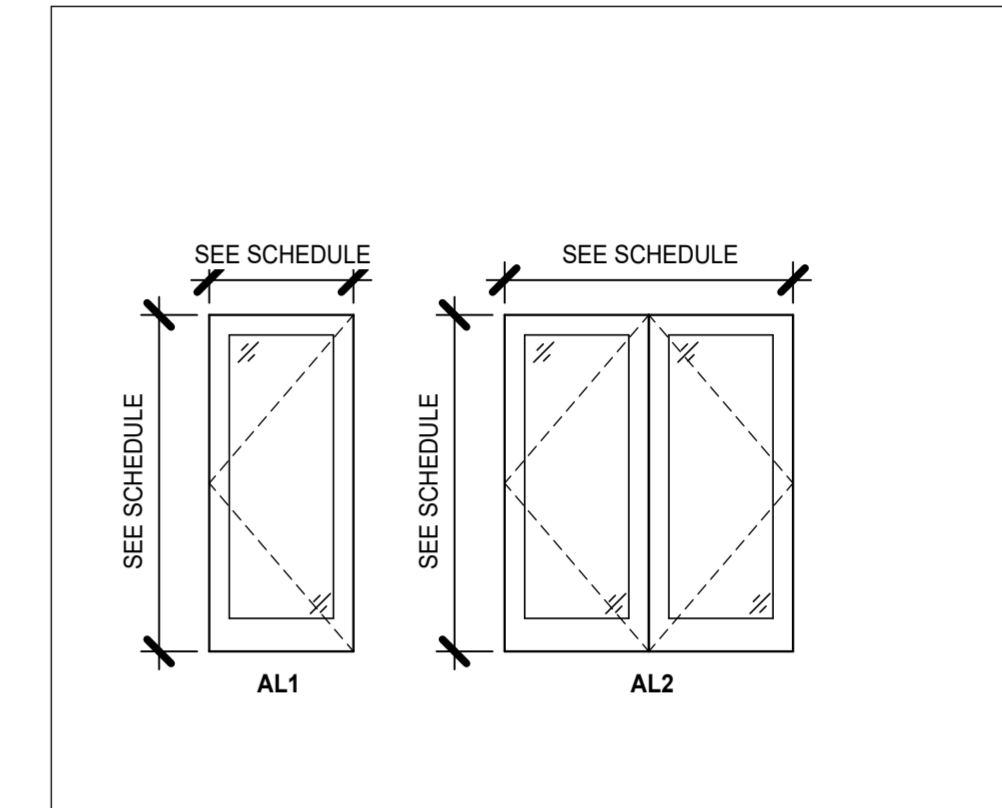
083613.1 - SECTIONAL DOOR TYPES



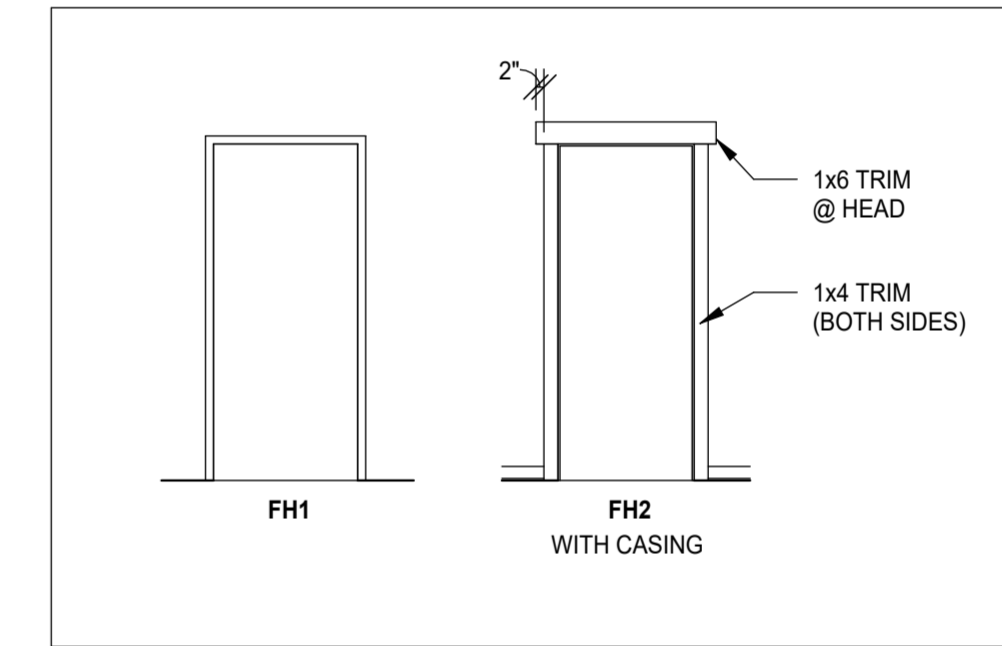
081433.1 - STILE AND RAIL WOOD DOOR TYPES



084113.1 - ALUMINUM FRAMED ENTRANCES & STOREFRONTS



081113.2 - HOLLOW METAL FRAME TYPES



Bicentennial Barn - McCammon Creek Park

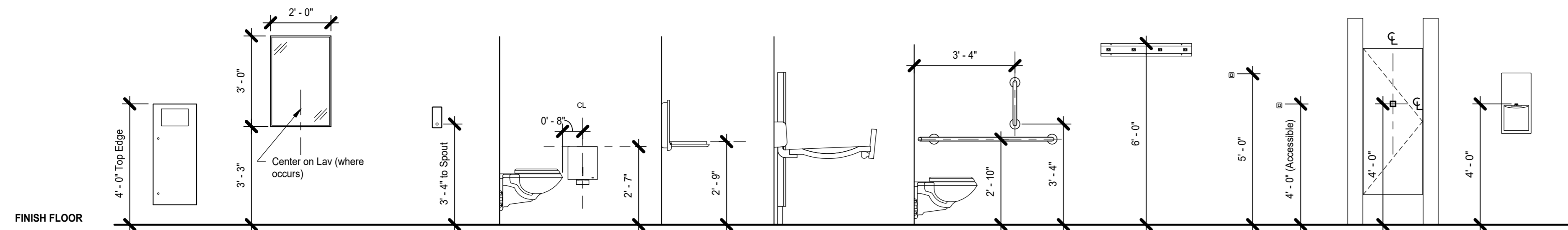
6844 Bale Kenyon Rd
Lewis Center, OH 43035



Kalpa Baghasingh, License #1516341
Expiration Date 12/31/2025

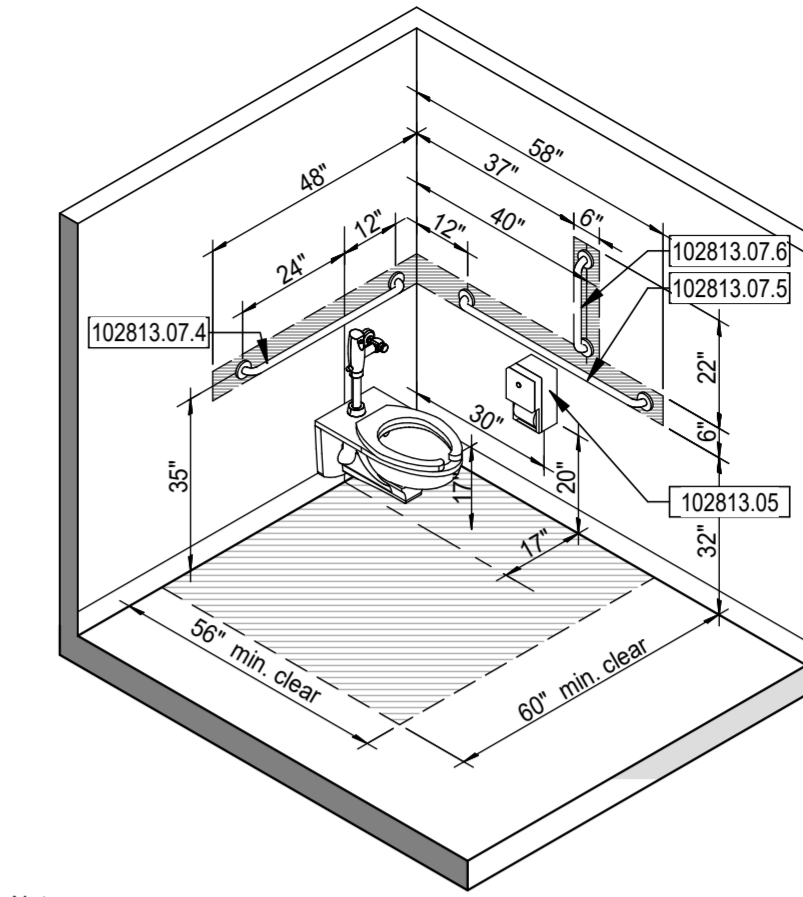
Door Schedule

TOILET ACCESSORY MOUNTING DIAGRAM



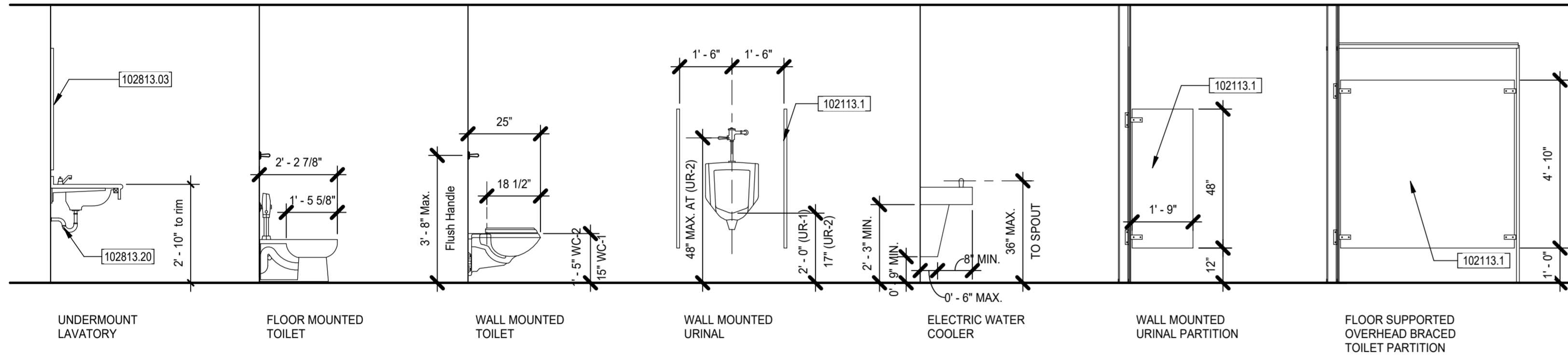
TOILET ACCESSORY TYPE	Waste Receptacle	Mirror (over counter)	Soap Dispenser	Toilet Tissue Dispenser - Jumbo Roll	Changing Table	Adjustable Height Changing Table	Grab Bars	Mop and Broom Holder	Garment Hook	Combination Hook/Door Bumper	Warm-Air Dryer
MOUNTING TYPE	Surface mounted	Surface mounted	Surface mounted	Surface mounted / partition mounted	Surface mounted	Surface mounted	Surface mounted / partition mounted	Surface mounted	Surface mounted	Mounted to toilet partition door	Recessed
MODEL	Bobrick B-35649.MBLK	Bobrick B-290.MBLK	Bobrick B-2013.MBLK	Bobrick B-9890.MBLK	Bobrick KB310-SSWM.MBLK	Bobrick KB3000-AHL	Bobrick B-150C.MBLK	Bobrick B-223x24 Bradley 9953 ASI 8215-3	Bobrick B-9542.MBLK	Bobrick B-9541.MBLK	Bobrick B-3725.MBLK

ACCESSIBLE TOILET STALLS & ROOMS

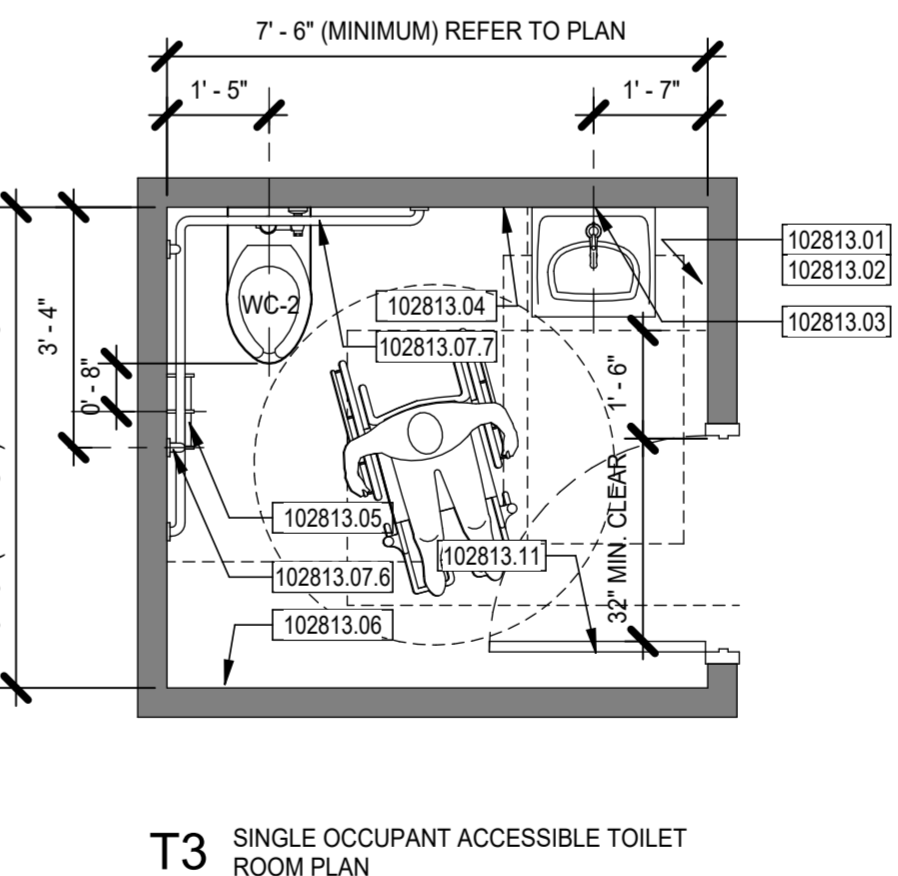
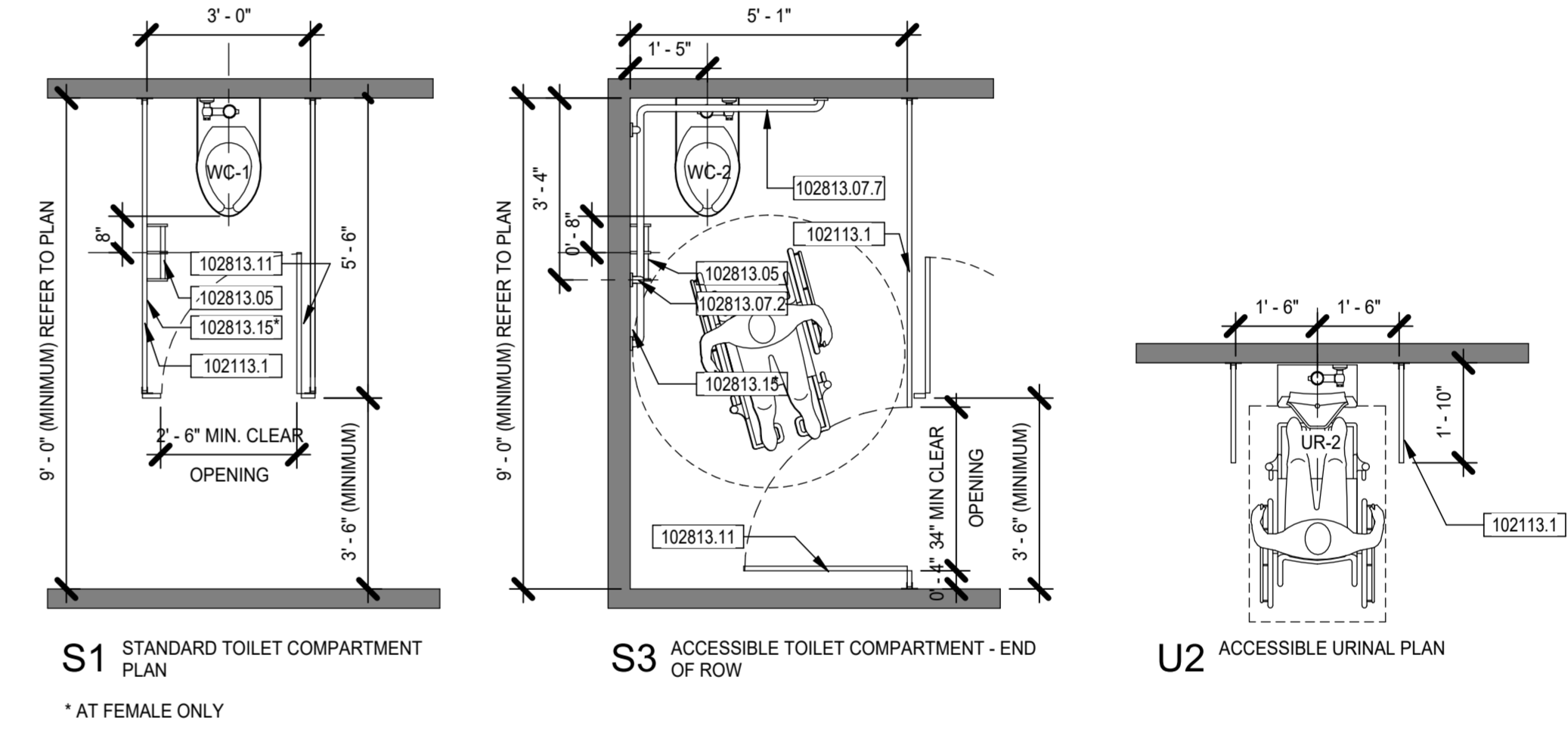


- Notes:
- The clear floor area is permitted to overlap the water closet, associated grab bars, paper dispensers, sanitary napkin receptacles, coat hooks, shelves, clear floor space at other fixtures and the turning space.
 - No other fixture shall be within the required water closet clearance.
 - Flush controls shall be located on the open side of the water closet.
 - Hatched zone at walls indicates minimum extent of continuous in-wall reinforcement.
 - Combination L-shaped grab bars (Item 1028G8) may be utilized in lieu of items 1028G4 and 1028G5.

FIXTURE AND PARTITION MOUNTING DIAGRAM

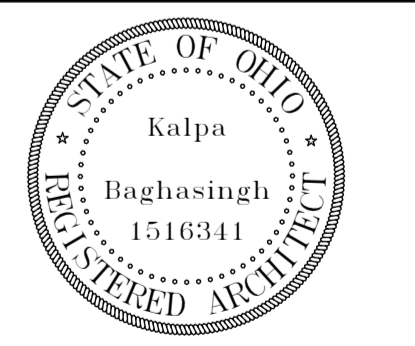


STANDARD TOILET STALLS AND ACCESSIBLE TOILET ROOMS



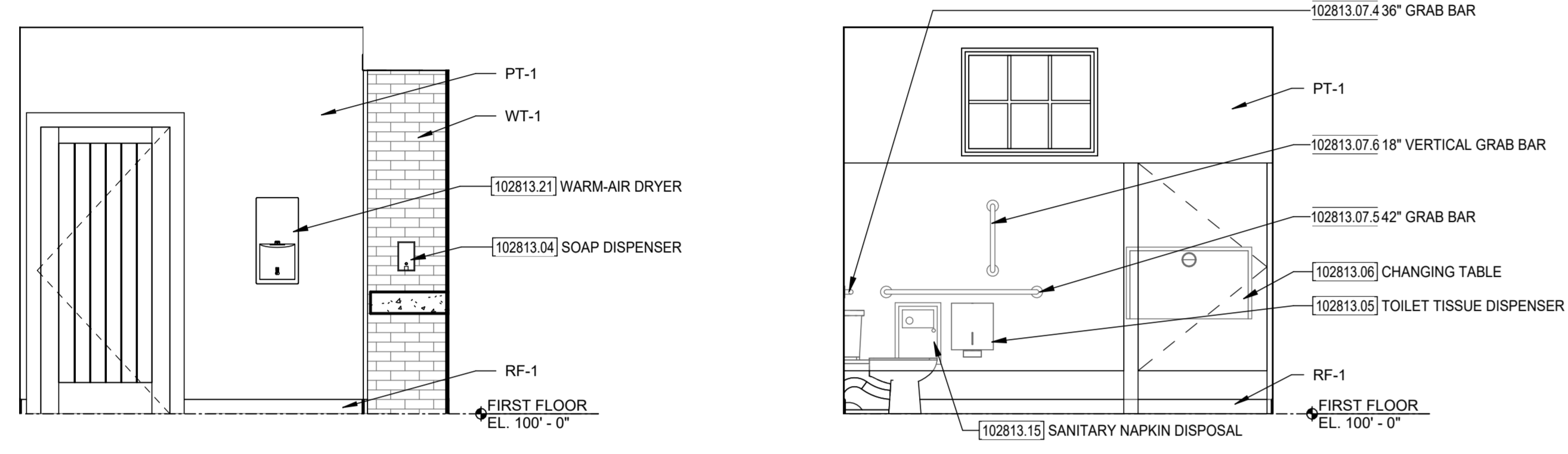
Keynote Legend	
102113.1	TOILET COMPARTMENTS
102813.01	PAPER TOWEL DISPENSER
102813.02	WASTE RECEPTACLE
102813.03	FRAMED MIRROR
102813.04	SOAP DISPENSER
102813.05	TOILET TISSUE DISPENSER
102813.06	CHANGING TABLE
102813.06.2	ADJUSTABLE HEIGHT CHANGING TABLE
102813.07.2	18" GRAB BAR
102813.07.4	36" GRAB BAR
102813.07.5	42" GRAB BAR
102813.07.6	18" VERTICAL GRAB BAR
102813.07.7	16" X 31" L-SHAPED GRAB BAR
102813.11	SHOWER DOOR
102813.15	SANITARY NAPKIN DISPOSAL
102813.17	MOP AND BROOM HOLDER
102813.18	GARMENT HOOK
102813.20	UNDERLAVATORY GUARDS
102813.21	WARM-AIR DRYER
102813.22	COMBINATION HOOK/DOOR BUMPER

Revision Schedule		
#	Description	Date

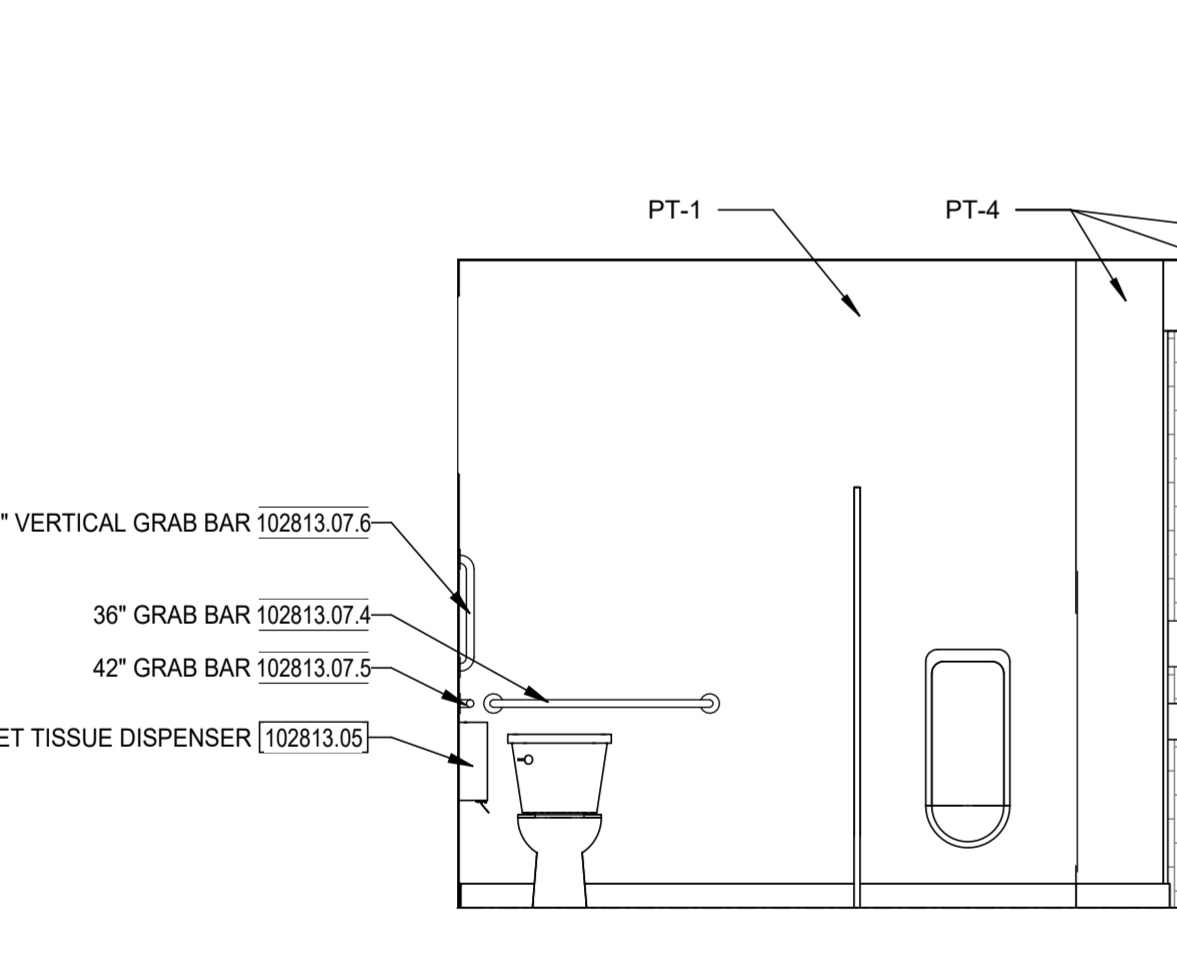


Revision Schedule		
#	Description	Date

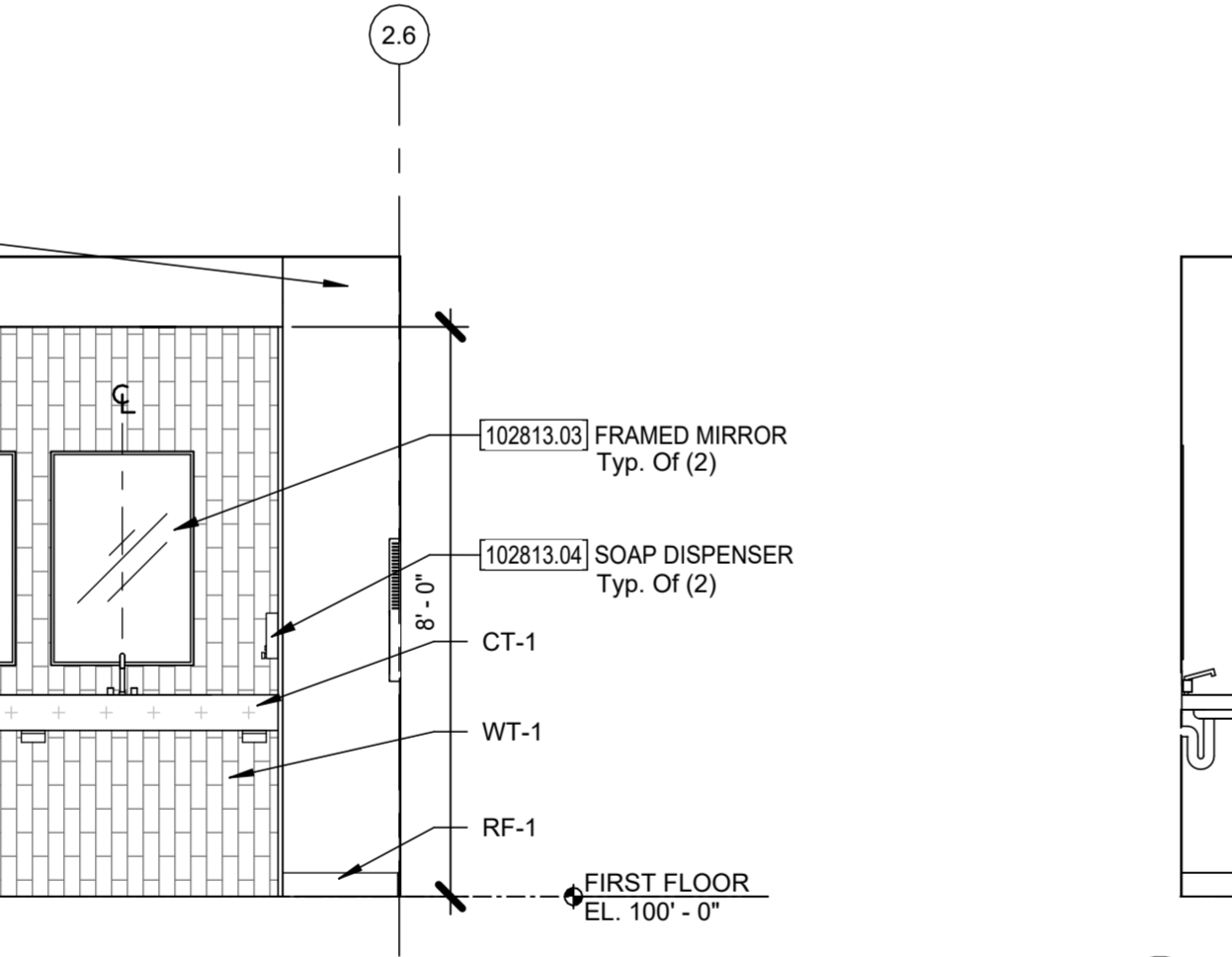
2 WOMEN'S RESTROOM - SOUTH ELEVATION
 3/8" = 1'-0"



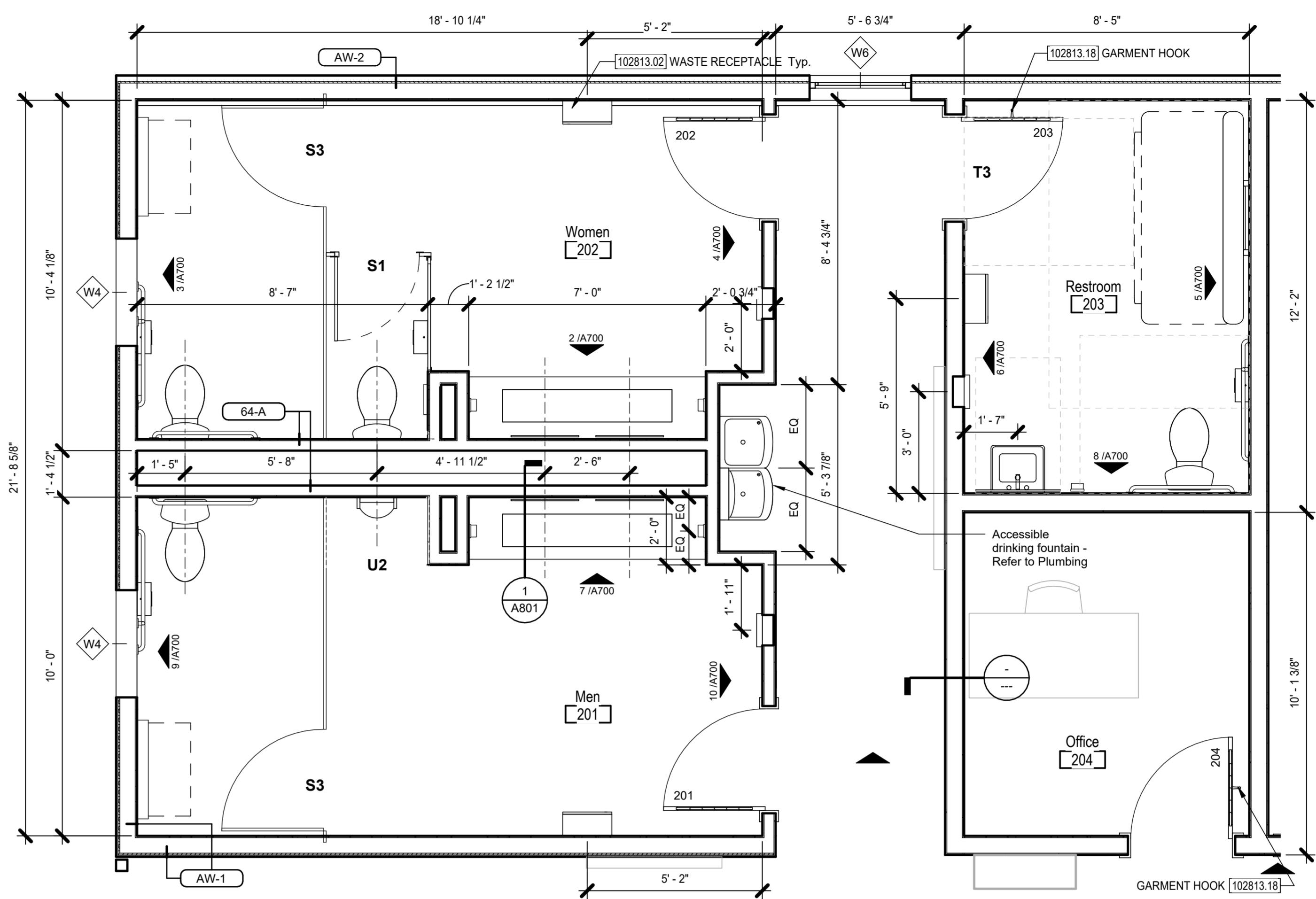
4 WOMEN'S RESTROOM - EAST ELEVATION
 3/8" = 1'-0"



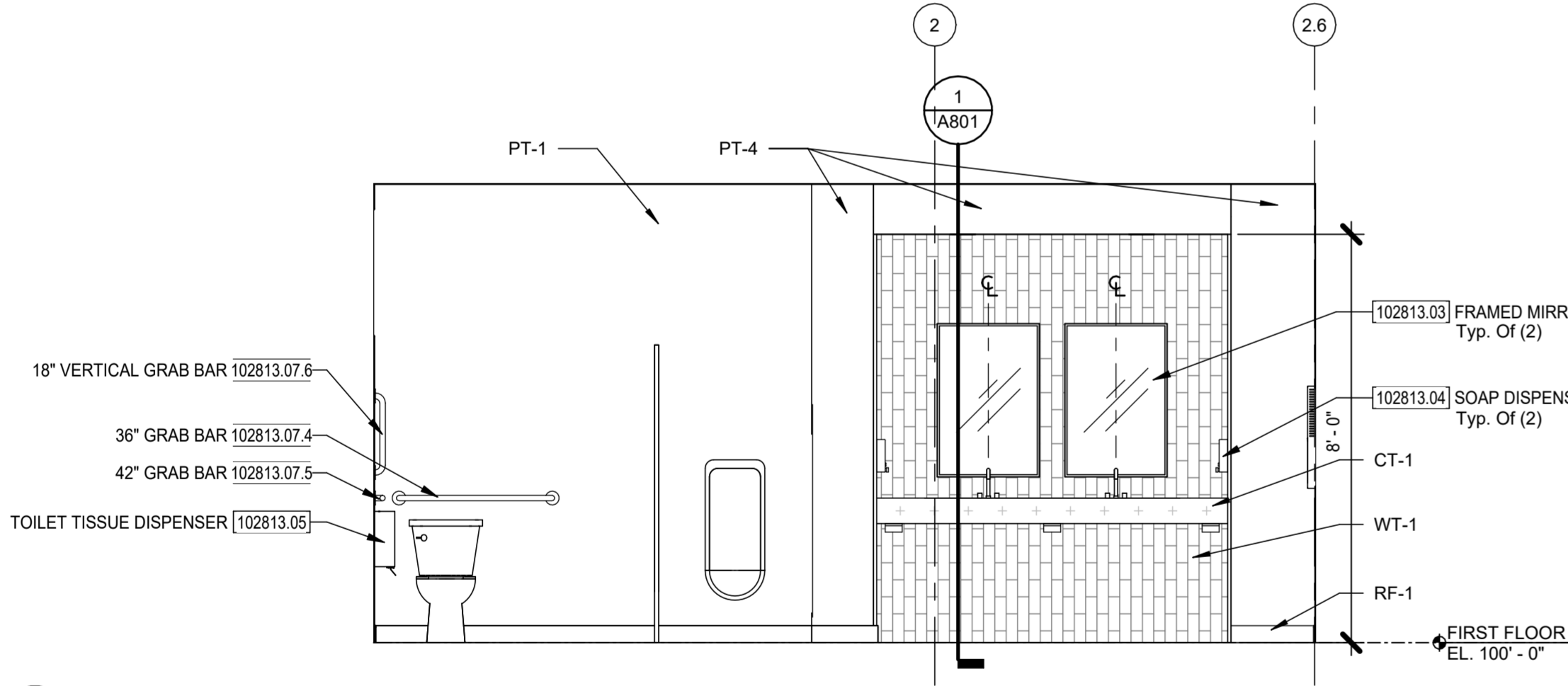
3 WOMEN'S RESTROOM - WEST ELEVATION
 3/8" = 1'-0"



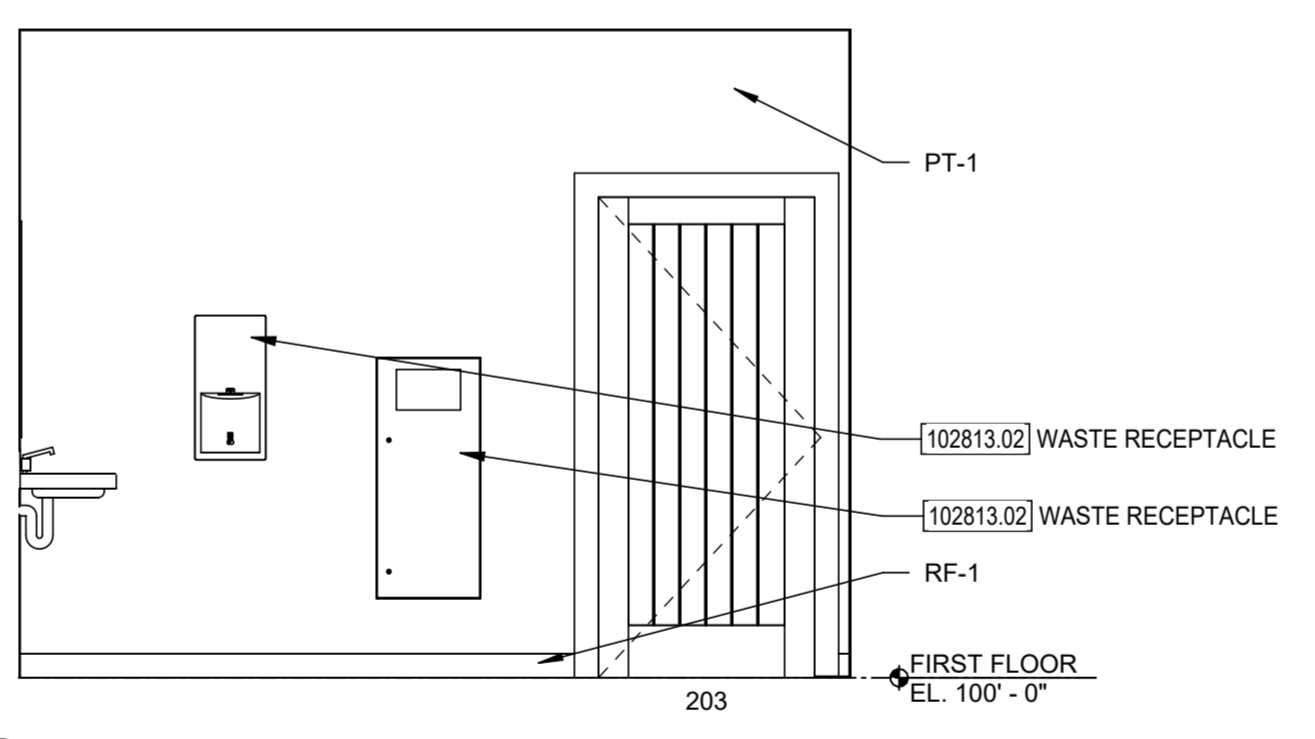
1 MAIN FLOOR RESTROOMS
 3/8" = 1'-0"



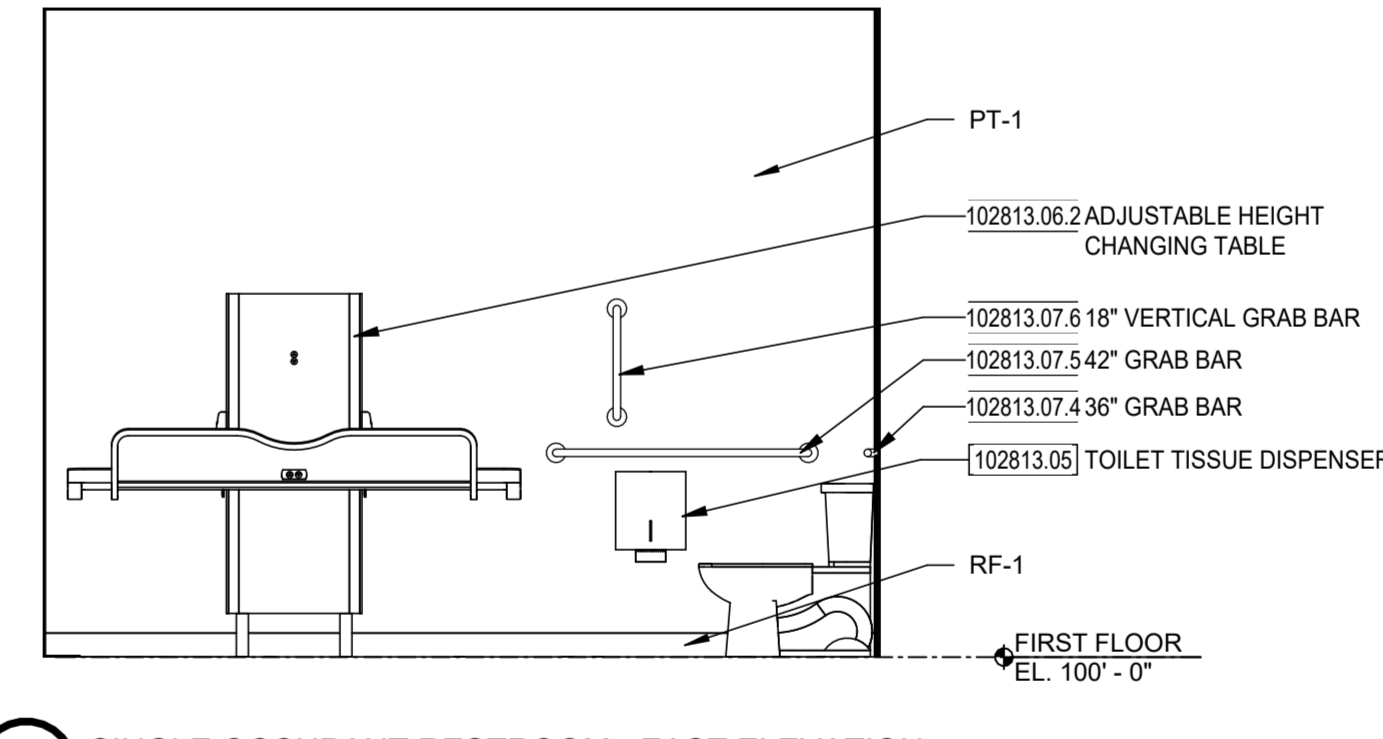
7 MEN'S RESTROOM - NORTH ELEVATION
 3/8" = 1'-0"



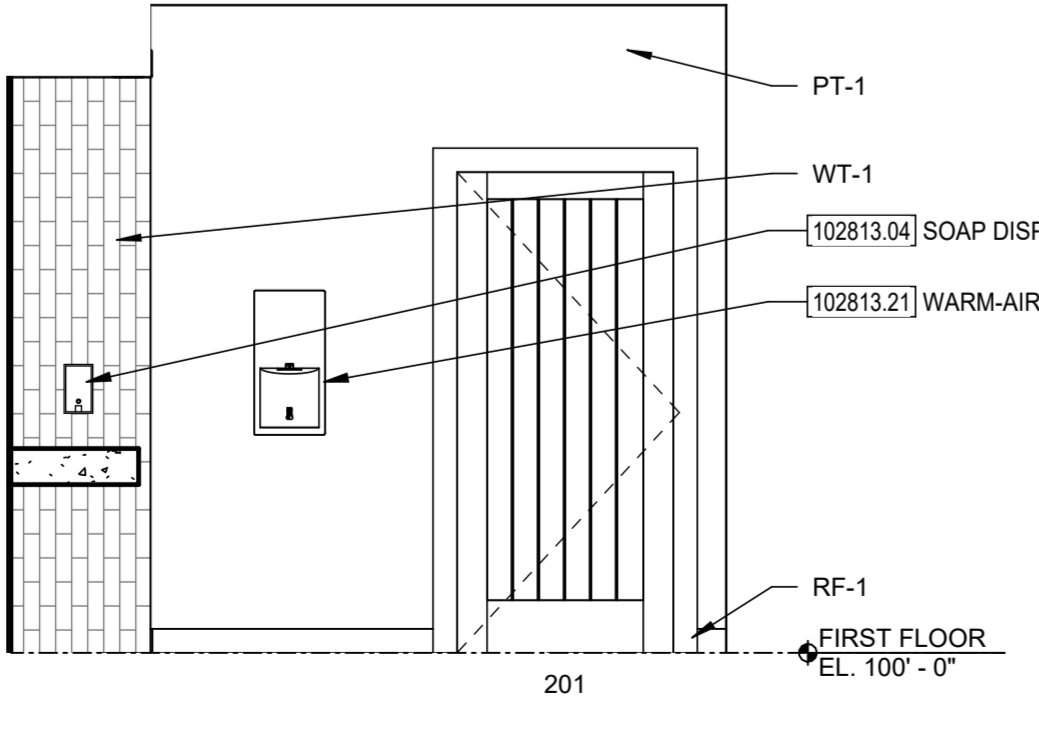
6 SINGLE OCCUPANT RESTROOM - WEST ELEVATION
 3/8" = 1'-0"



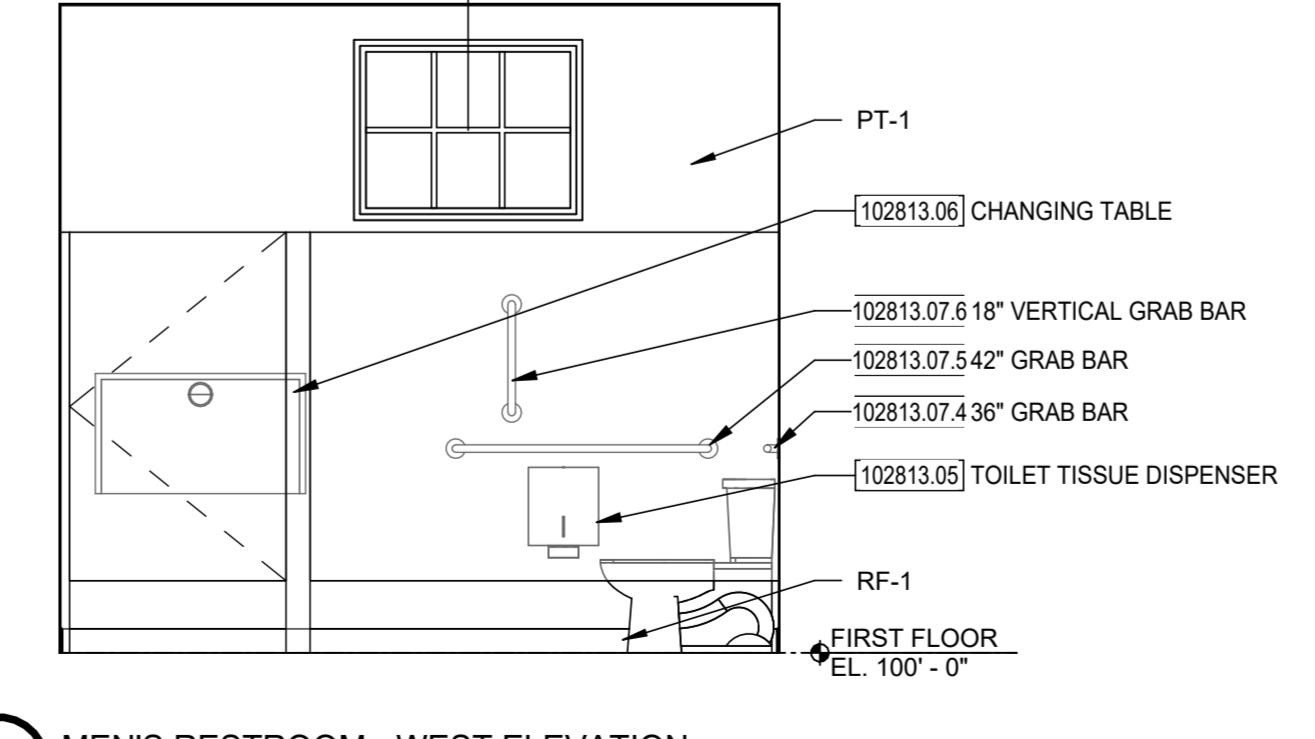
5 SINGLE OCCUPANT RESTROOM - EAST ELEVATION
 3/8" = 1'-0"



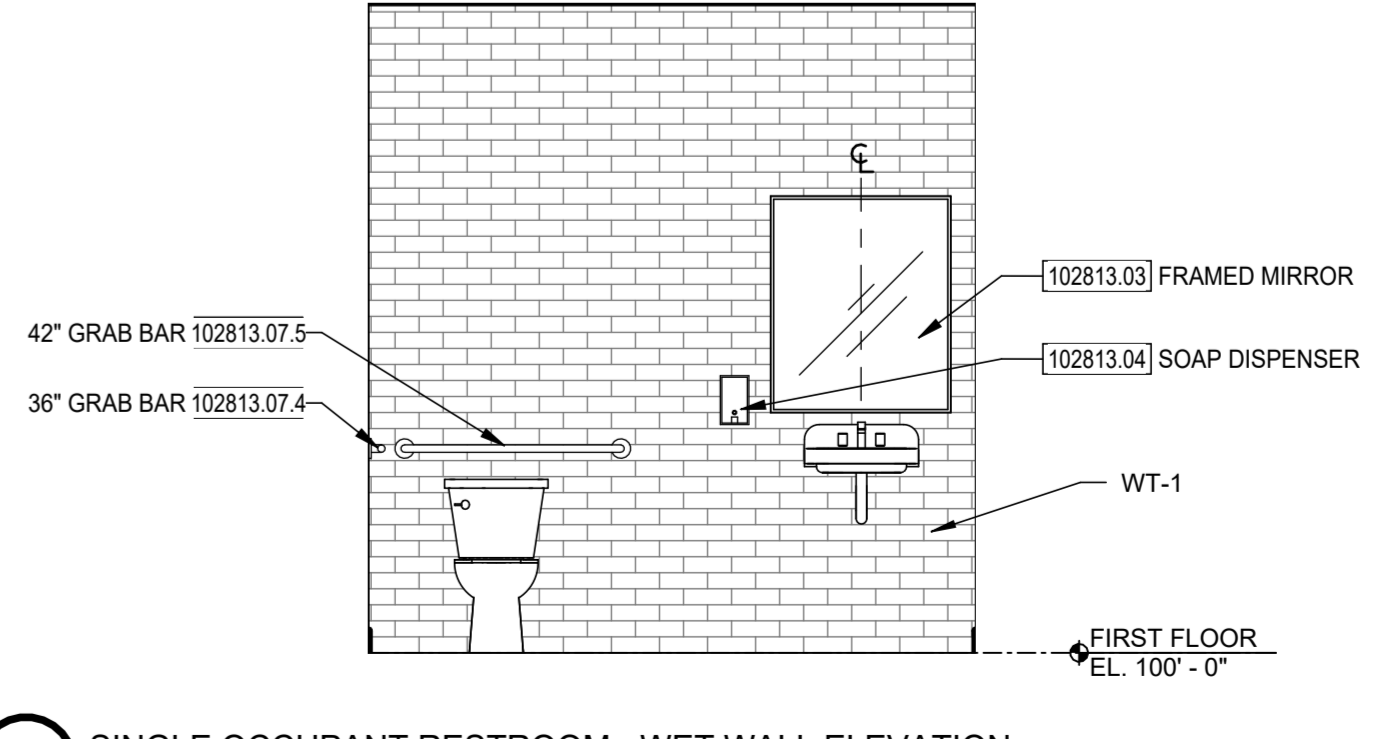
10 MEN'S RESTROOM - EAST ELEVATION
 3/8" = 1'-0"



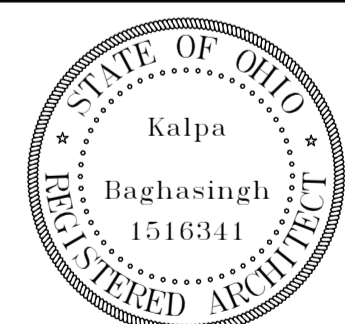
9 MEN'S RESTROOM - WEST ELEVATION
 3/8" = 1'-0"



8 SINGLE OCCUPANT RESTROOM - WET WALL ELEVATION
 3/8" = 1'-0"

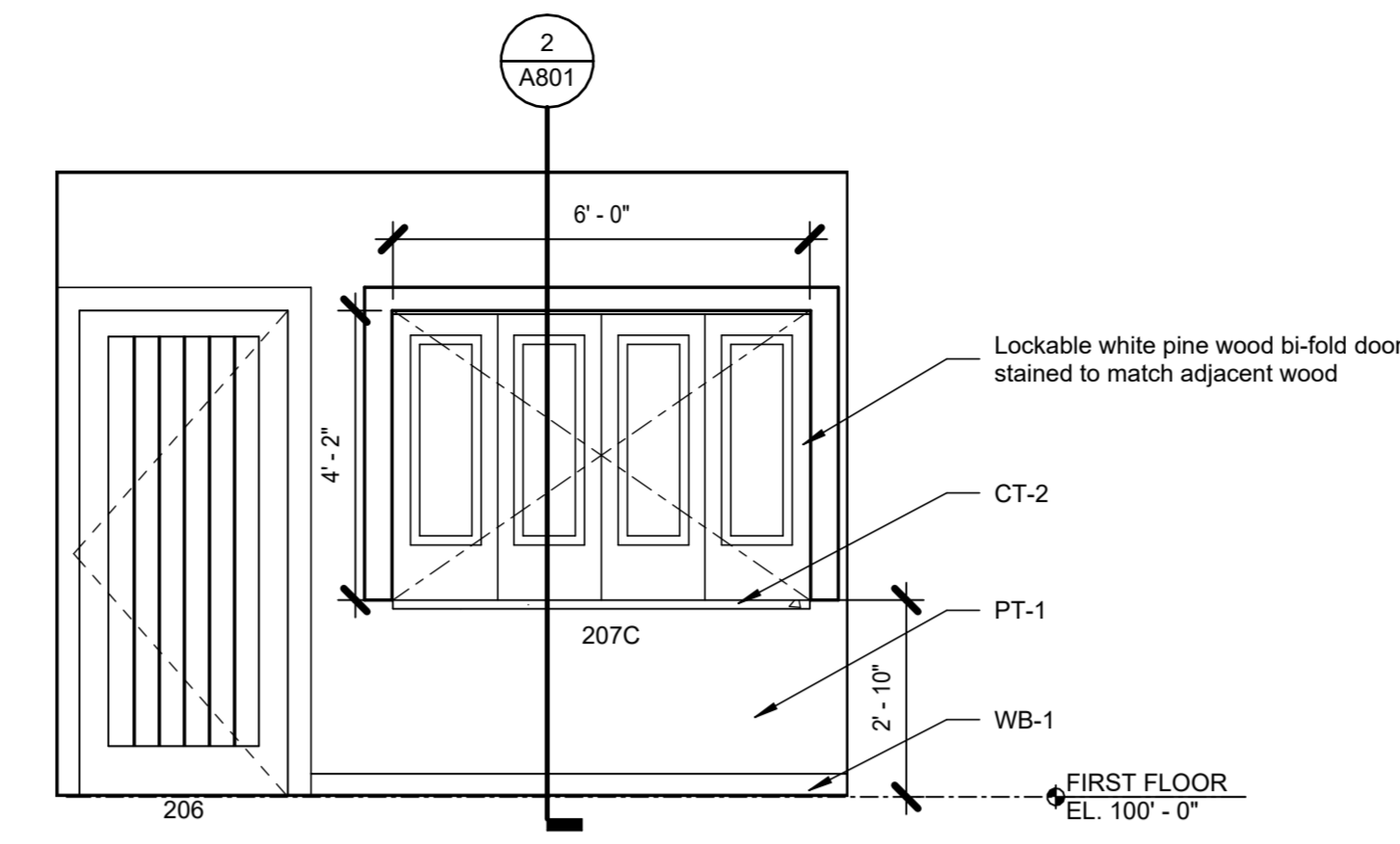


Revision Schedule		
#	Description	Date

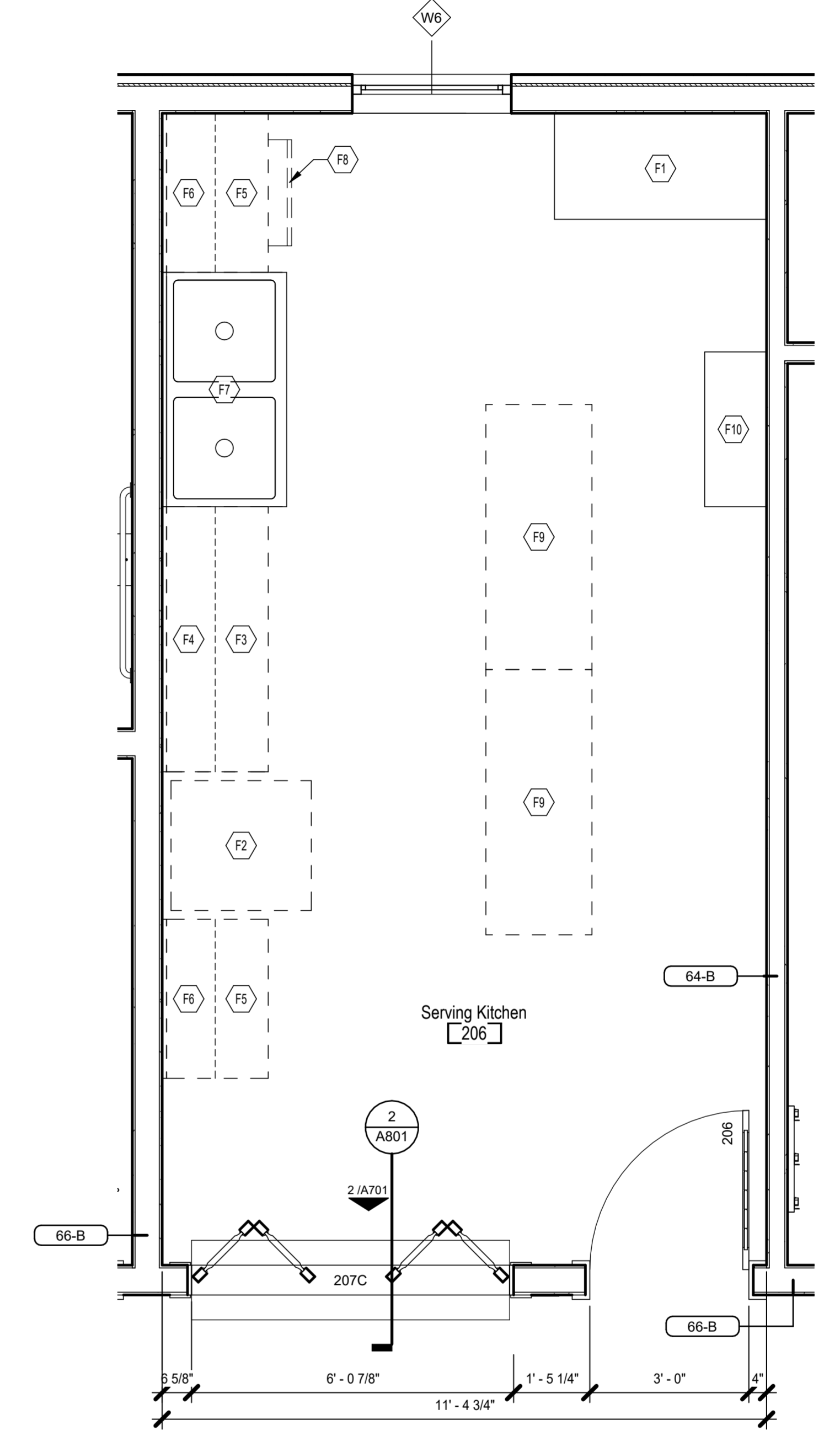


ENLARGED PLAN - CODED NOTES

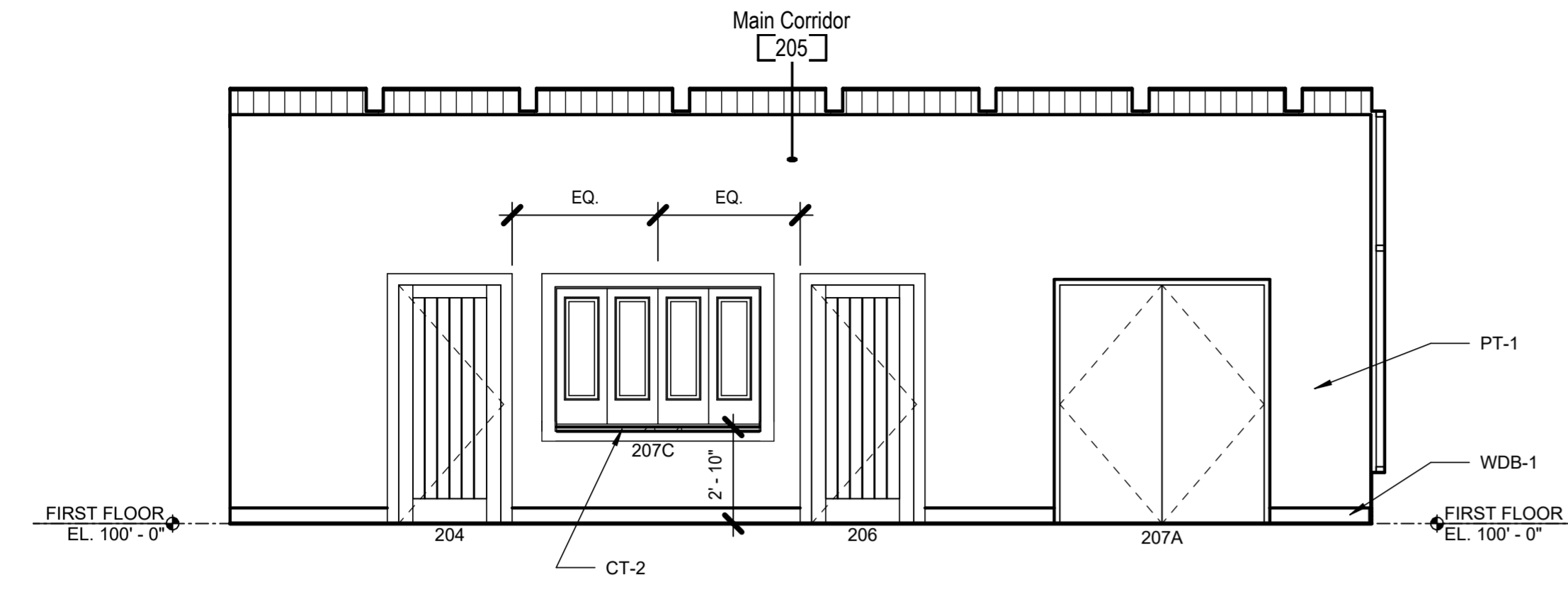
- F1 Uline stainless steel storage cabinet - H-5589 48"x24"x73".
- F2 Refrigerator, Owner supplied, contractor installed.
- F3 Regency Stainless steel enclosed base sliding door table with drawers and 6" backsplash - 600EBTB2460R. Owner supplied, contractor installed.
- F4 Regency 12" W 60"L heavy duty solid wall shelf - 18890*G. Owner supplied, contractor installed.
- F5 Regency Stainless steel commercial open base work table with 4" backsplash - 600WT24X36BS. Owner supplied, contractor installed.
- F6 Regency 12"W 36"L heavy duty solid wall shelf - 18890*G. Owner supplied, contractor installed.
- F7 Regency Two compartment commercial sink with stainless steel legs - 600S22323X
- F8 Dishwasher, Owner supplied, contractor installed.
- F9 Regency Stainless steel commercial work table with undershelf and casters - 600TS2460SC. Owner supplied, contractor installed.
- F10 Uline Light Gray Metal Bookcase - H-2927 35"x14"x66".



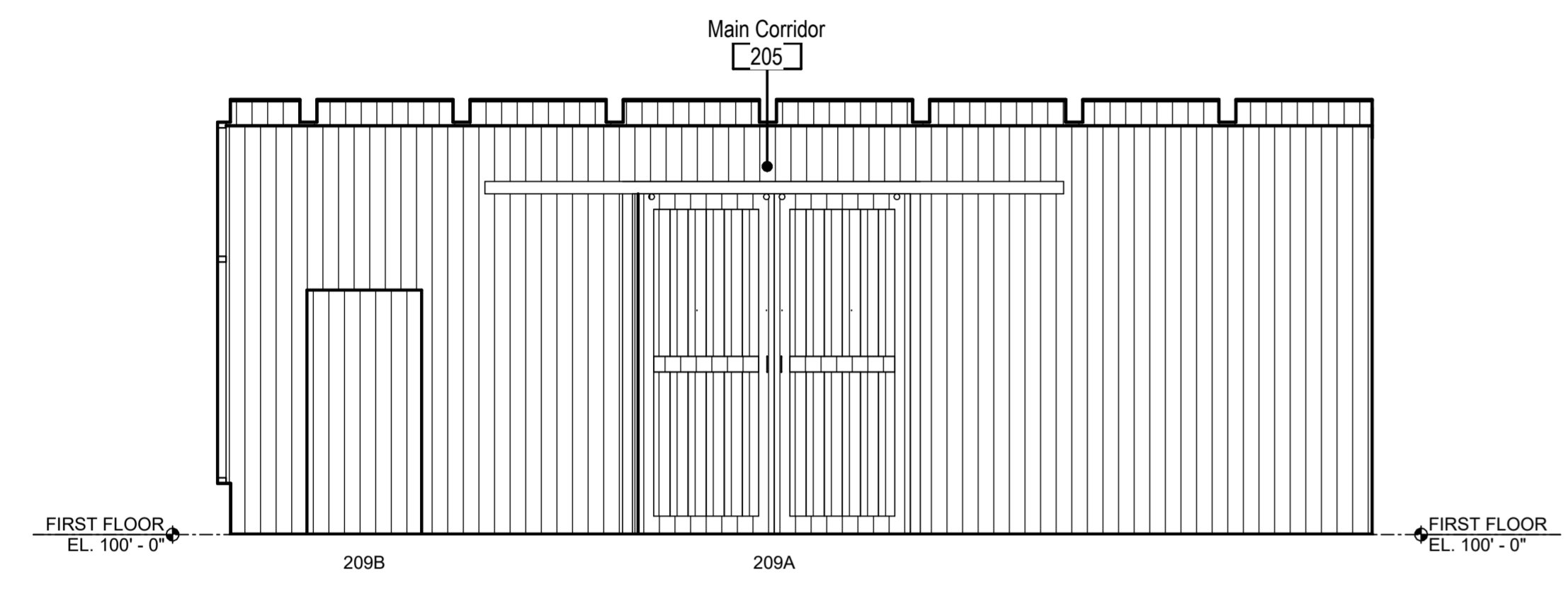
2 SERVERY SOUTH ELEVATION
 3/8" = 1'-0"



1 SERVERY - ENLARGED PLAN
 1/2" = 1'-0"

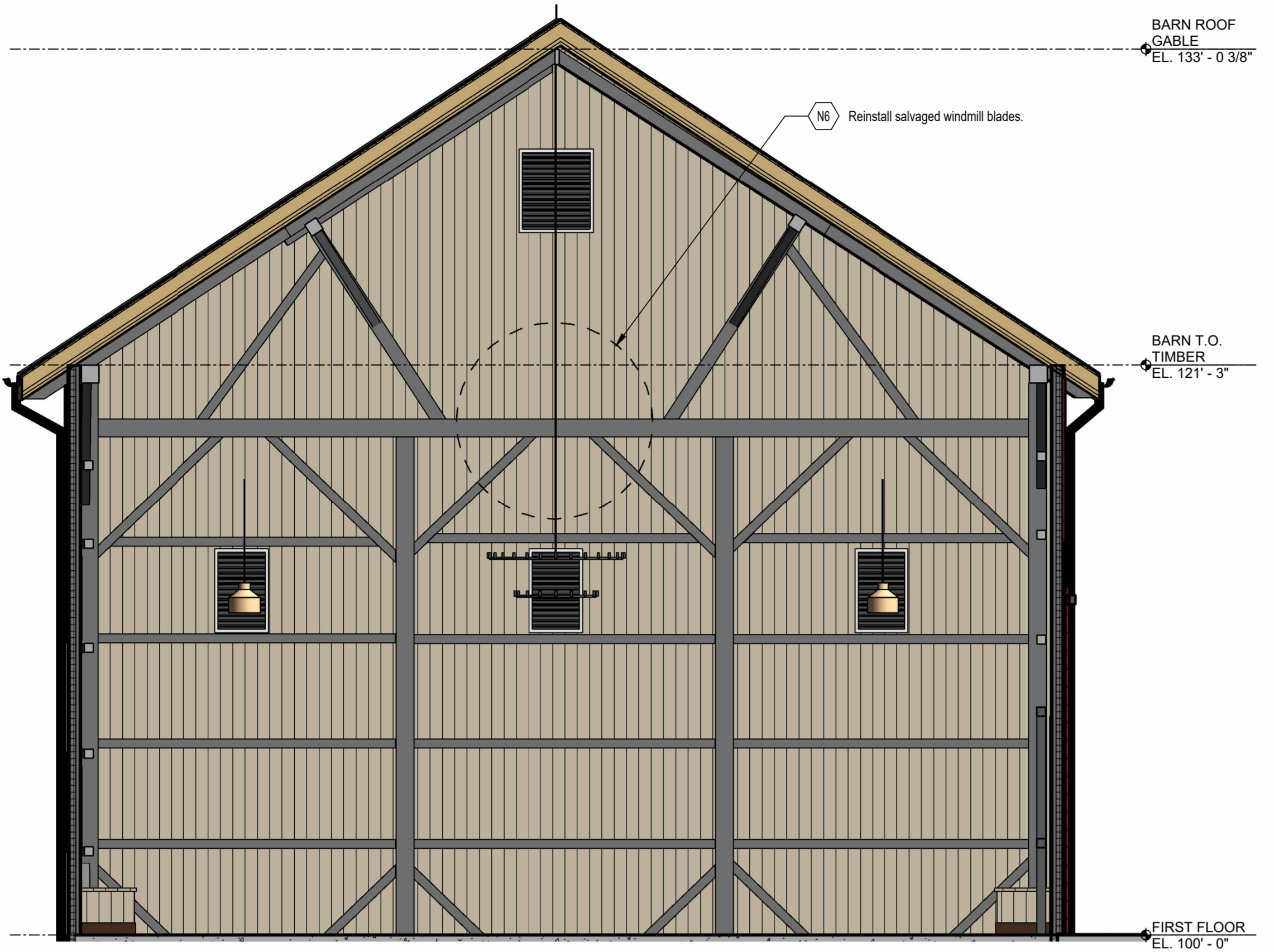


3 MAIN CORRIDOR NORTH ELEVATION
 1/4" = 1'-0"

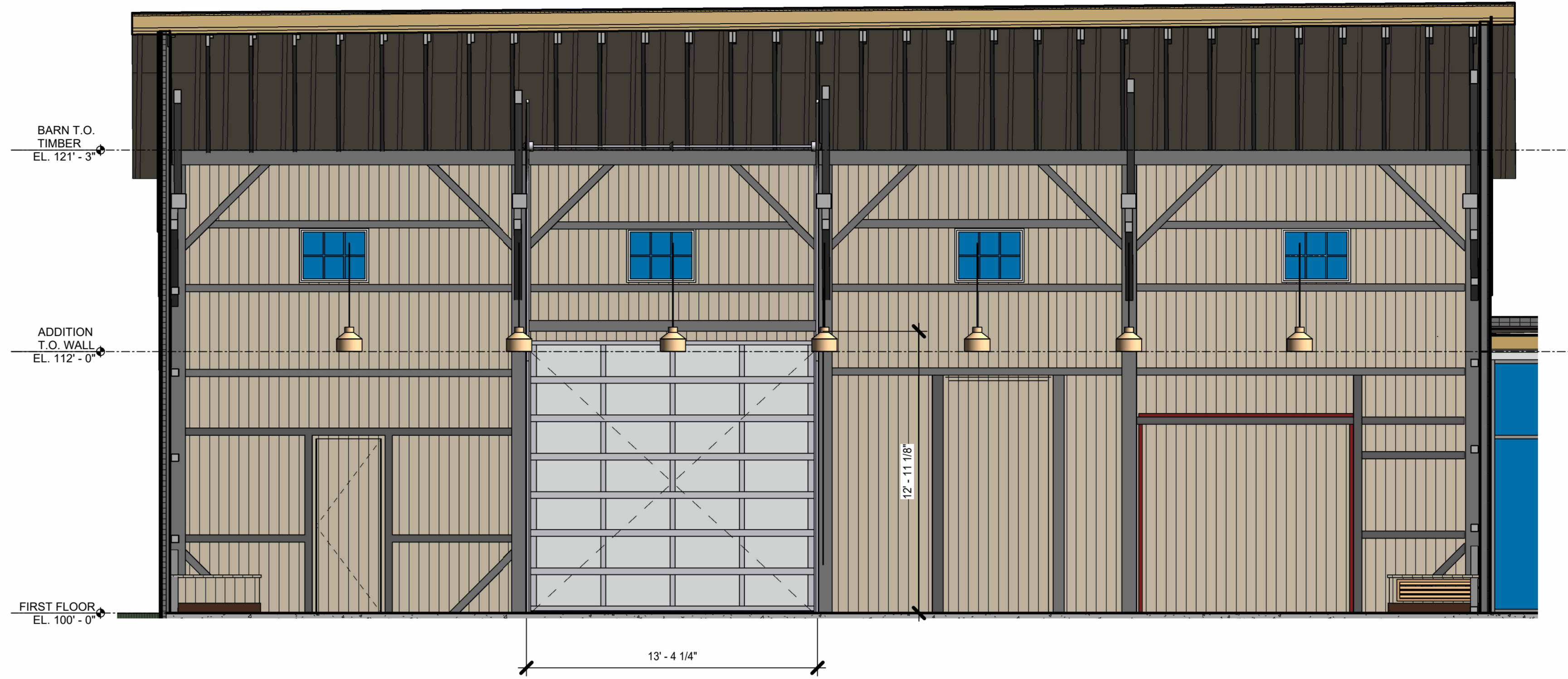


4 MAIN CORRIDOR SOUTH ELEVATION
 1/4" = 1'-0"

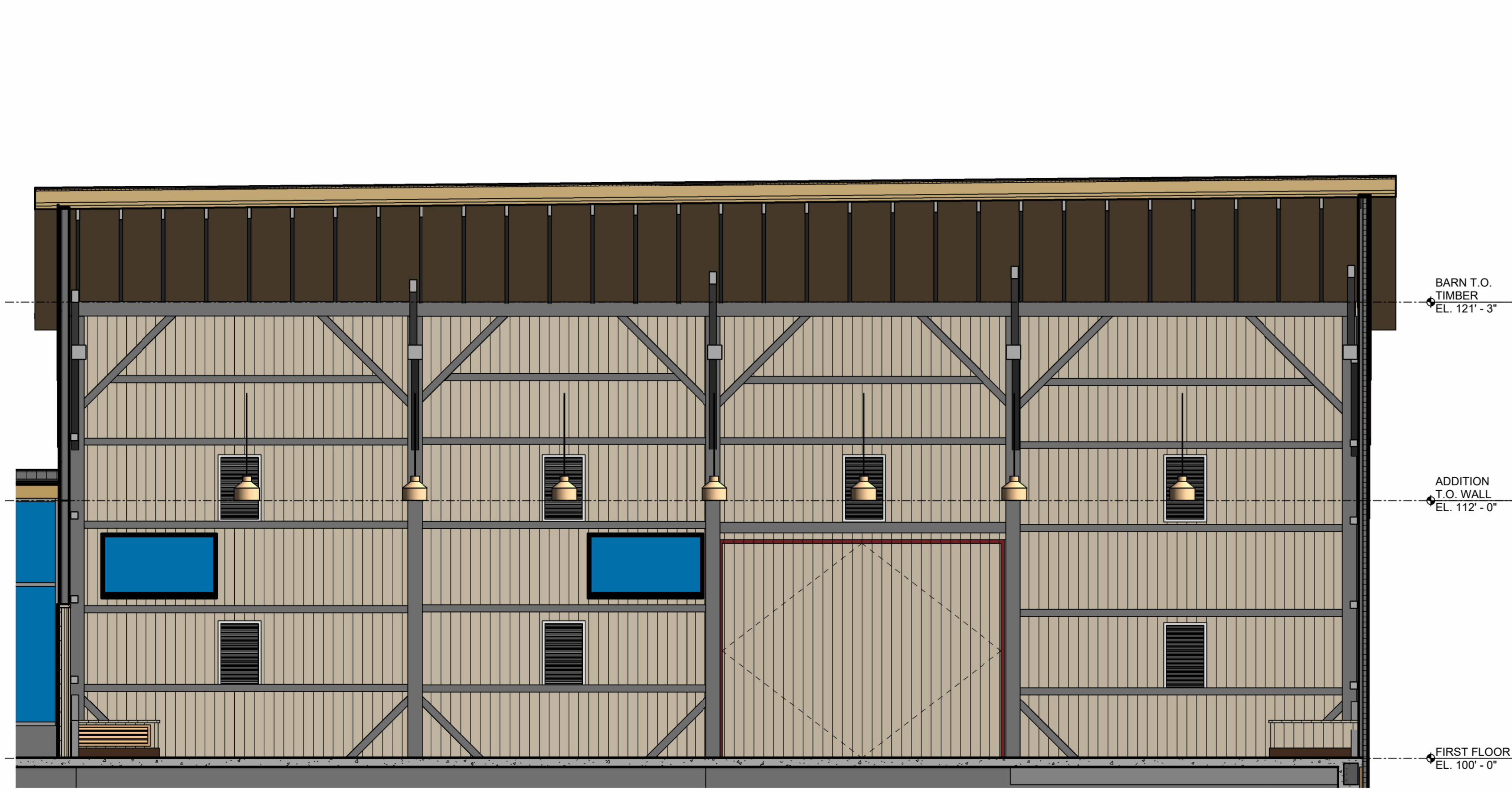
Revision Schedule		
#	Description	Date



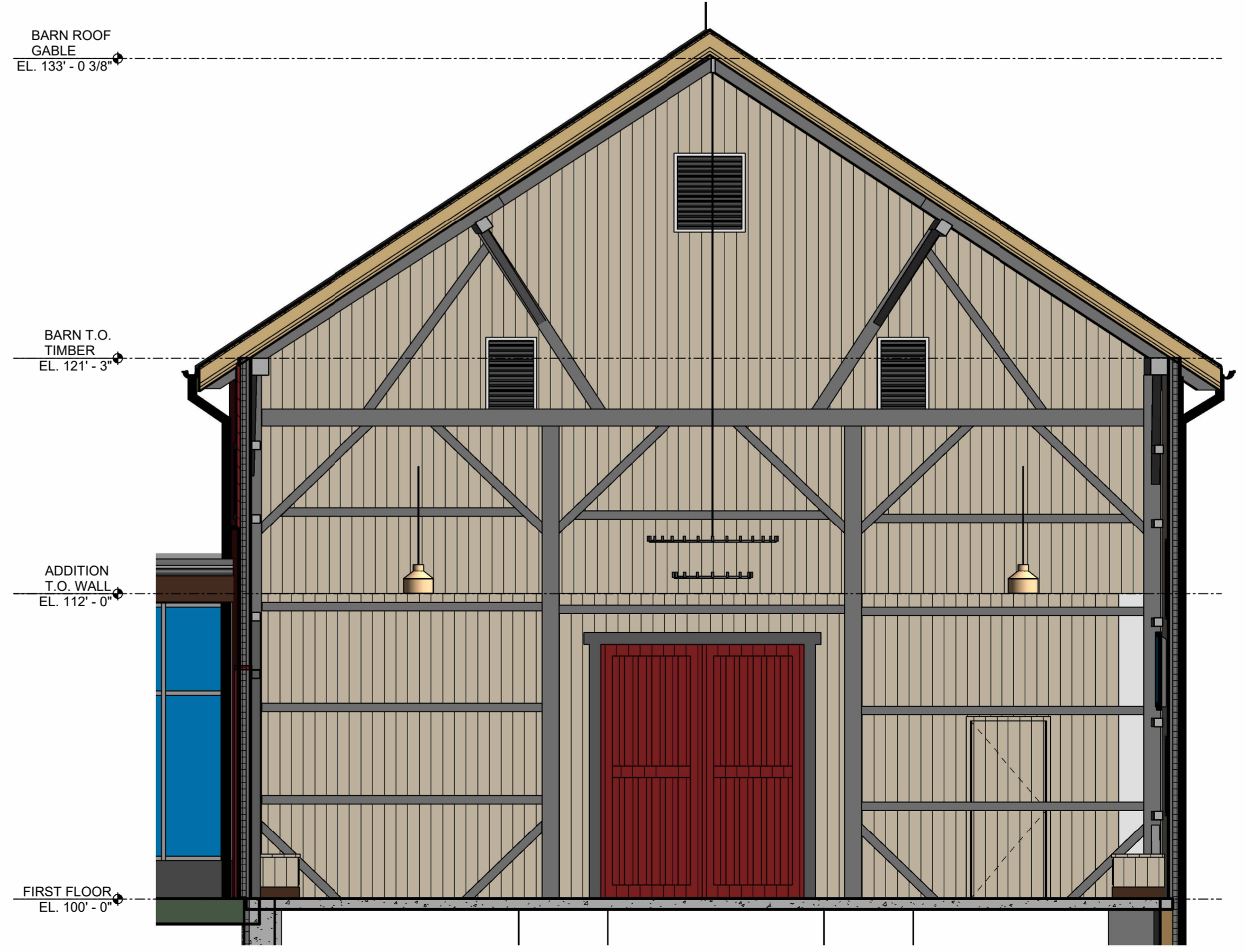
2 BARN SOUTH INTERIOR ELEVATION
1/4" = 1'-0"



1 BARN WEST INTERIOR ELEVATION
1/4" = 1'-0"



4 BARN EAST INTERIOR ELEVATION
1/4" = 1'-0"



3 BARN NORTH INTERIOR ELEVATION
1/4" = 1'-0"

Bicentennial Barn - McCammon Creek Park

6844 Bale Kenyon Rd
Lewis Center, OH 43035



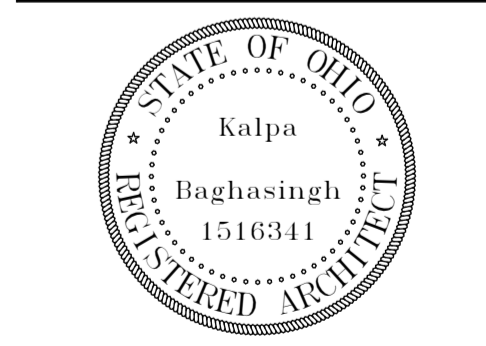
Kalpa Baghasingh, License #1516341
Expiration Date 12/31/2025

Barn Interior Elevations

Revision Schedule		
#	Description	Date

Bicentennial Barn - McCammon Creek Park

6844 Bale Kenyon Rd
 Lewis Center, OH 43035



Kalpa Baghasingh, License #1516341
 Expiration Date 12/31/2025

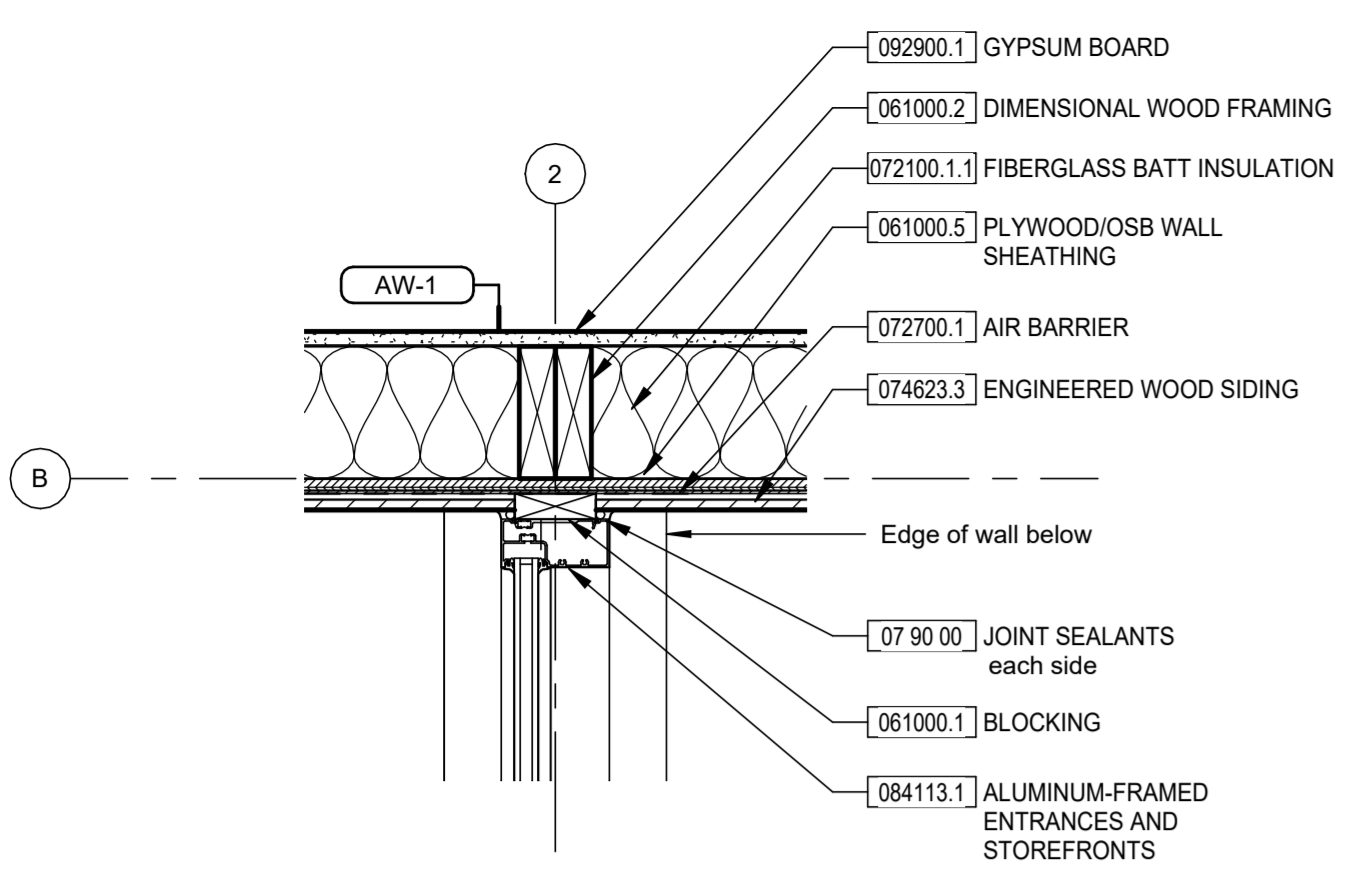
Entry Vestibule and Canopy Details

Architectural

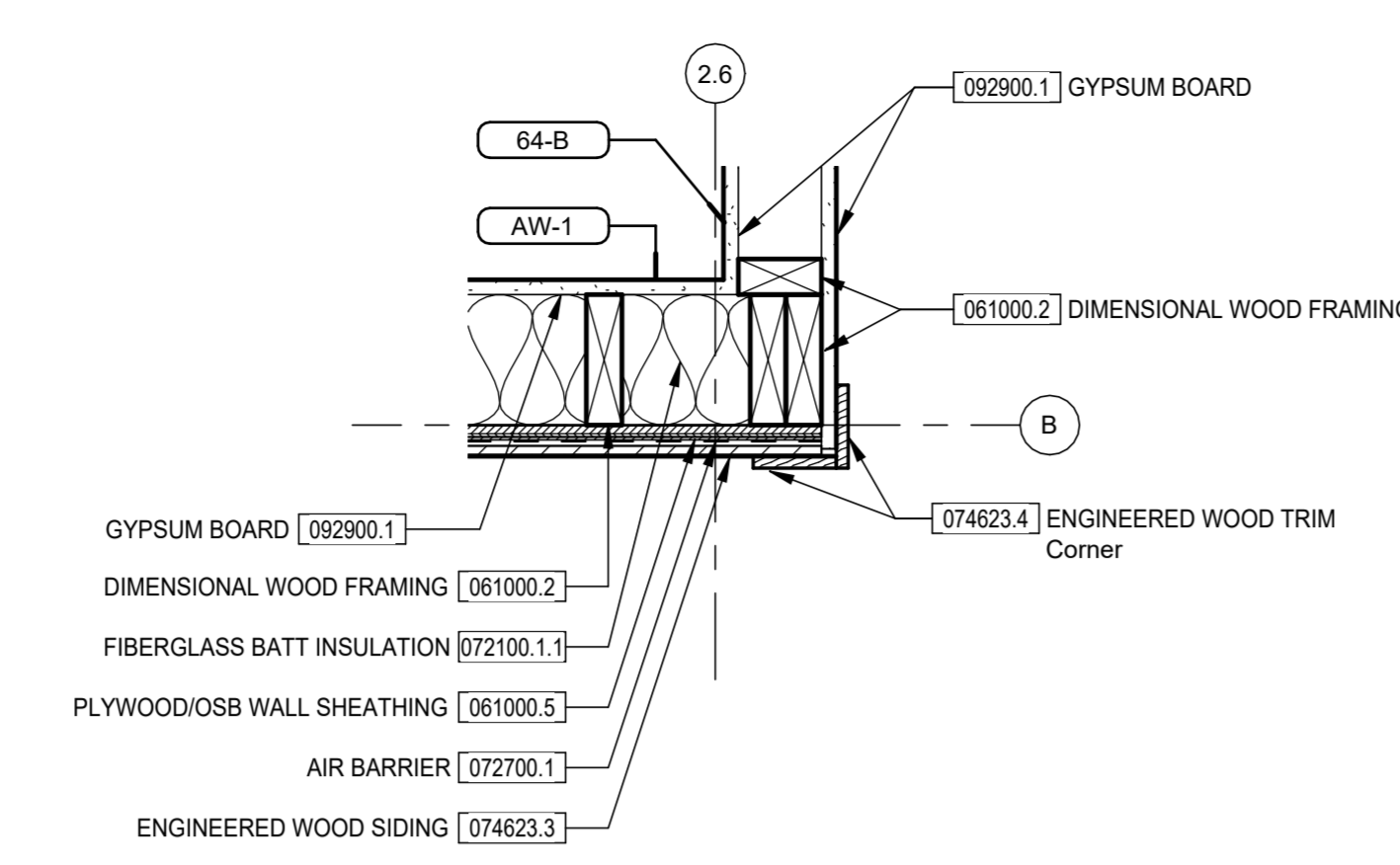
A703

02/14/2025

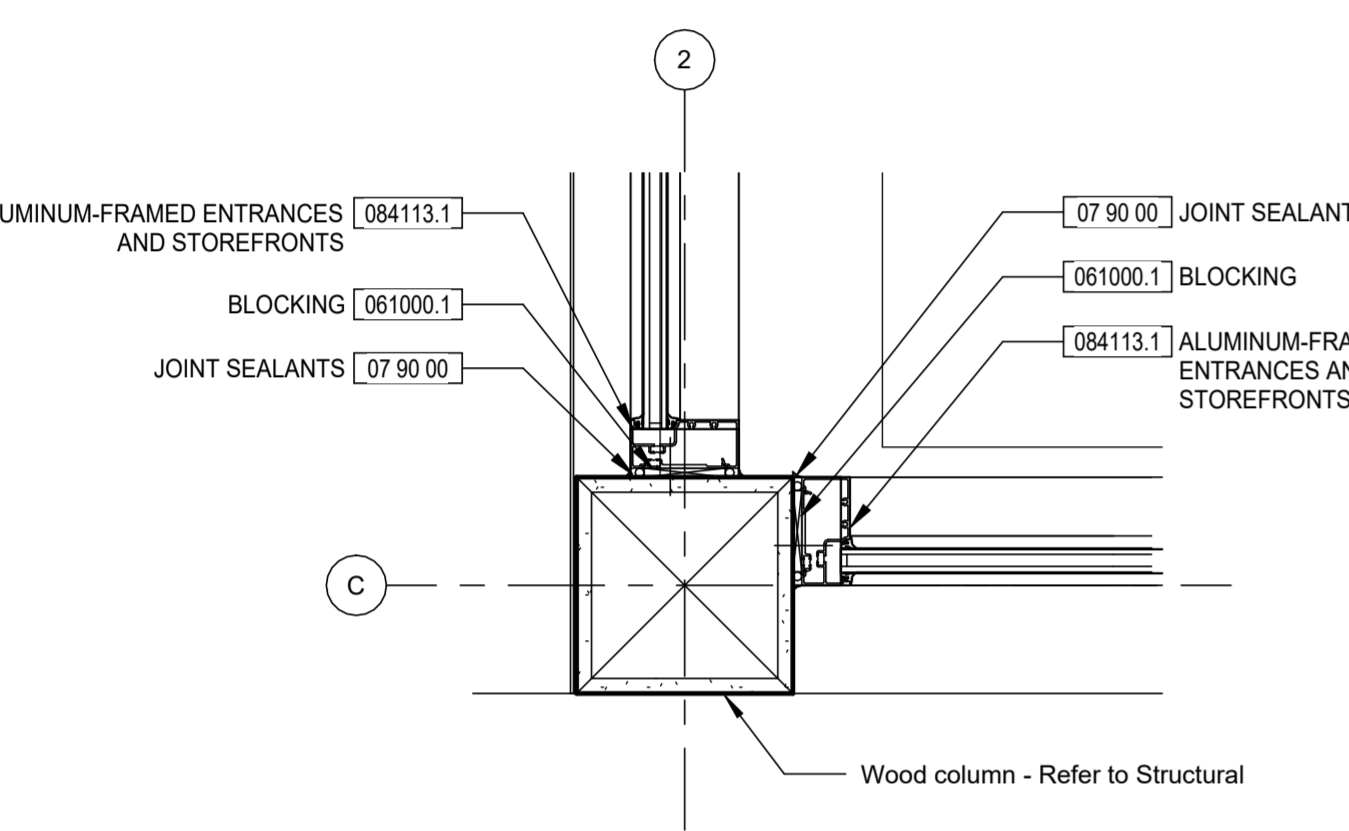
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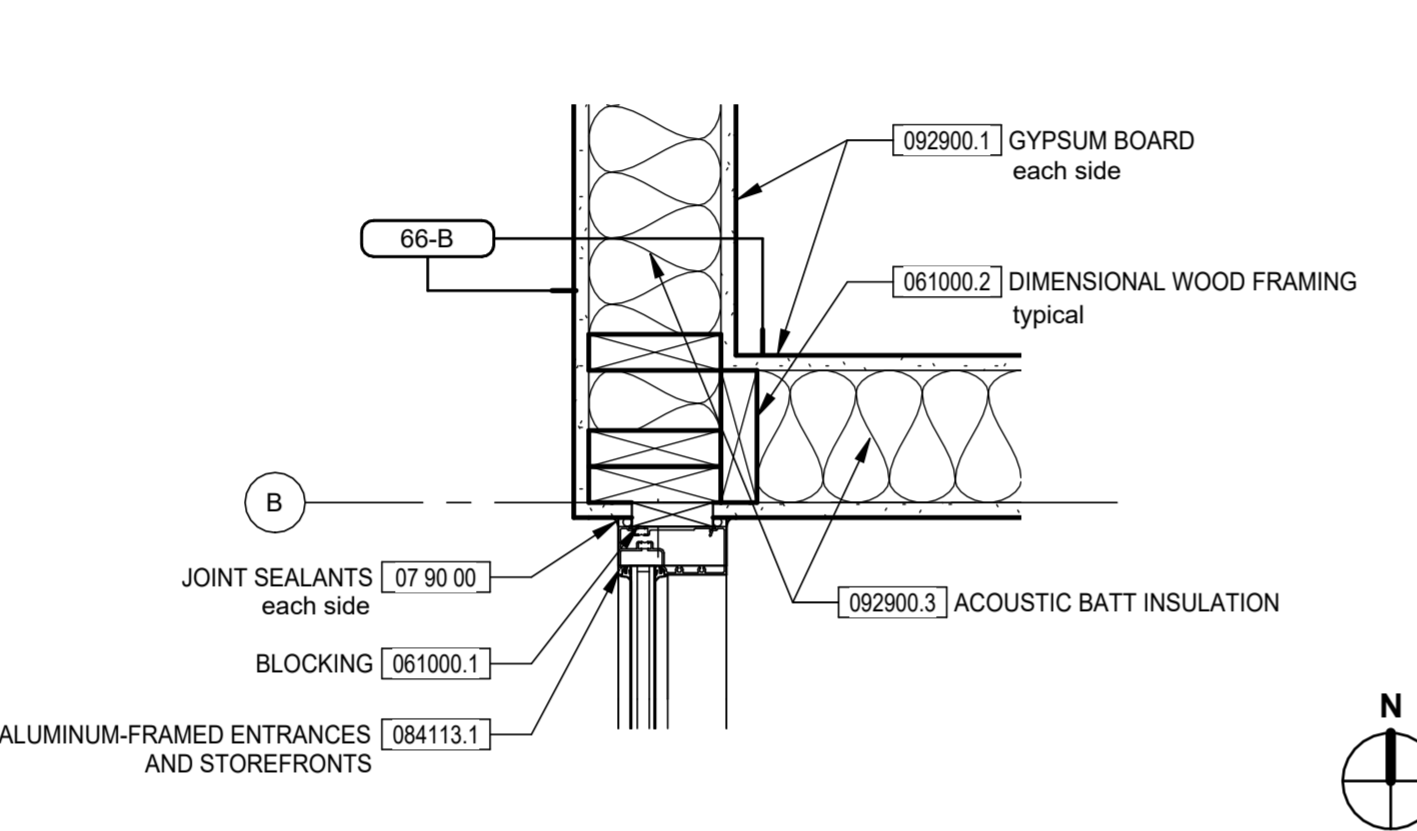
4 VESTIBULE STOREFRONT AT EXTERIOR SIDING
 1 1/2" = 1'-0"



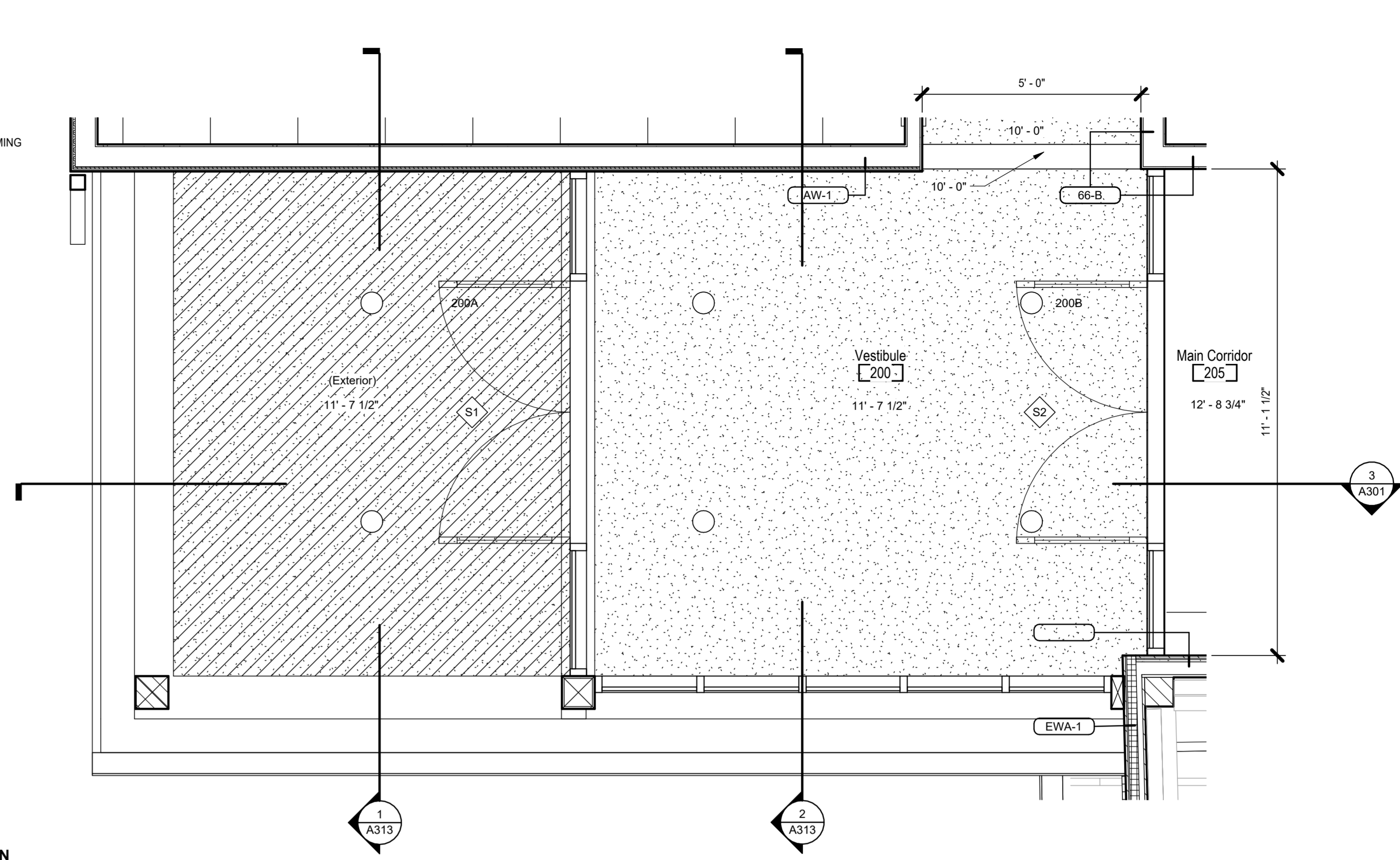
3 VESTIBULE EXTERIOR WALL AT INTERIOR PARTITION CORNER
 1 1/2" = 1'-0"



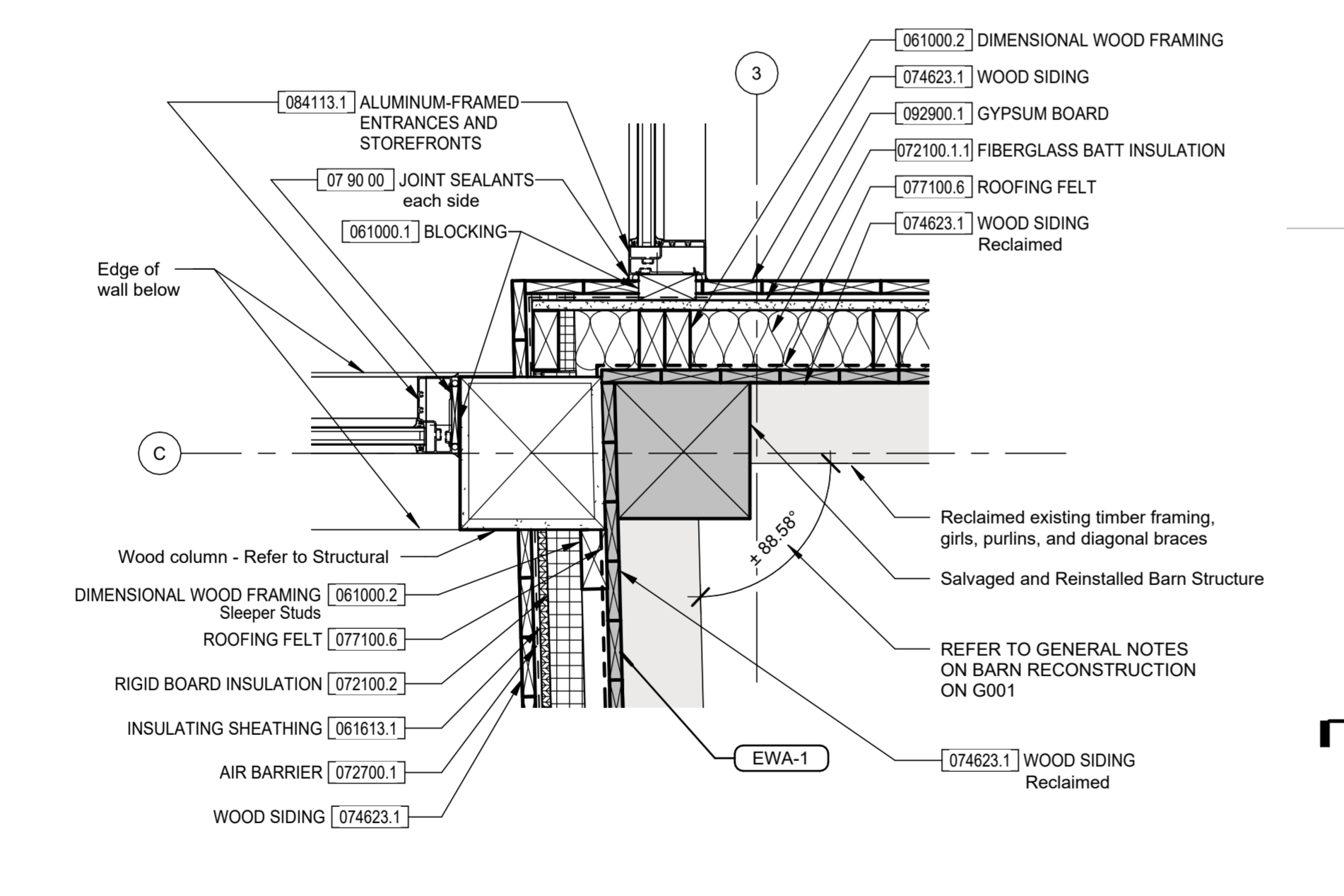
6 VESTIBULE STOREFRONT AT TIMBER COLUMN
 1 1/2" = 1'-0"



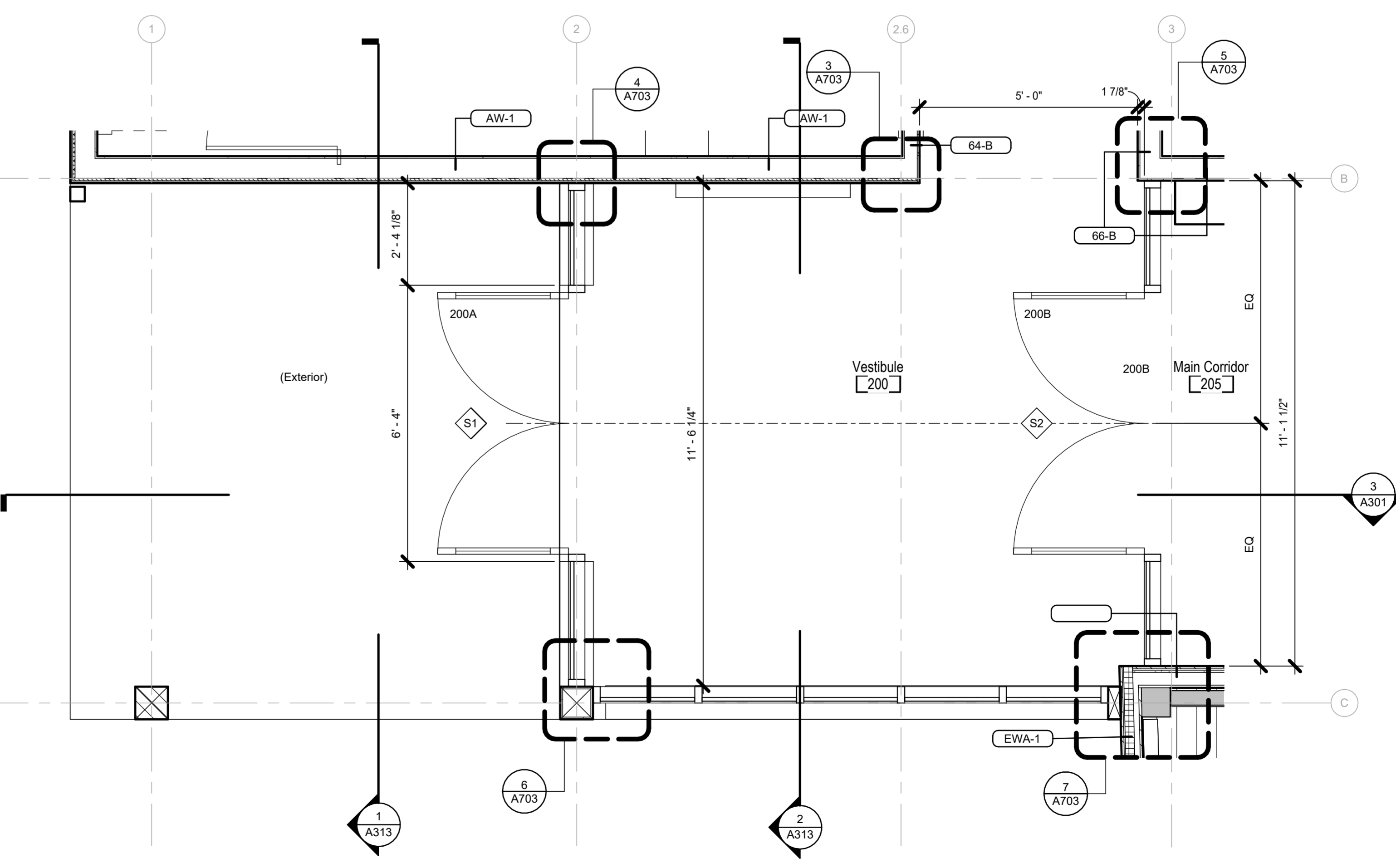
5 VESTIBULE STOREFRONT AT INTERIOR PARTITION
 1 1/2" = 1'-0"



1 VESTIBULE RCP
 1/2" = 1'-0"

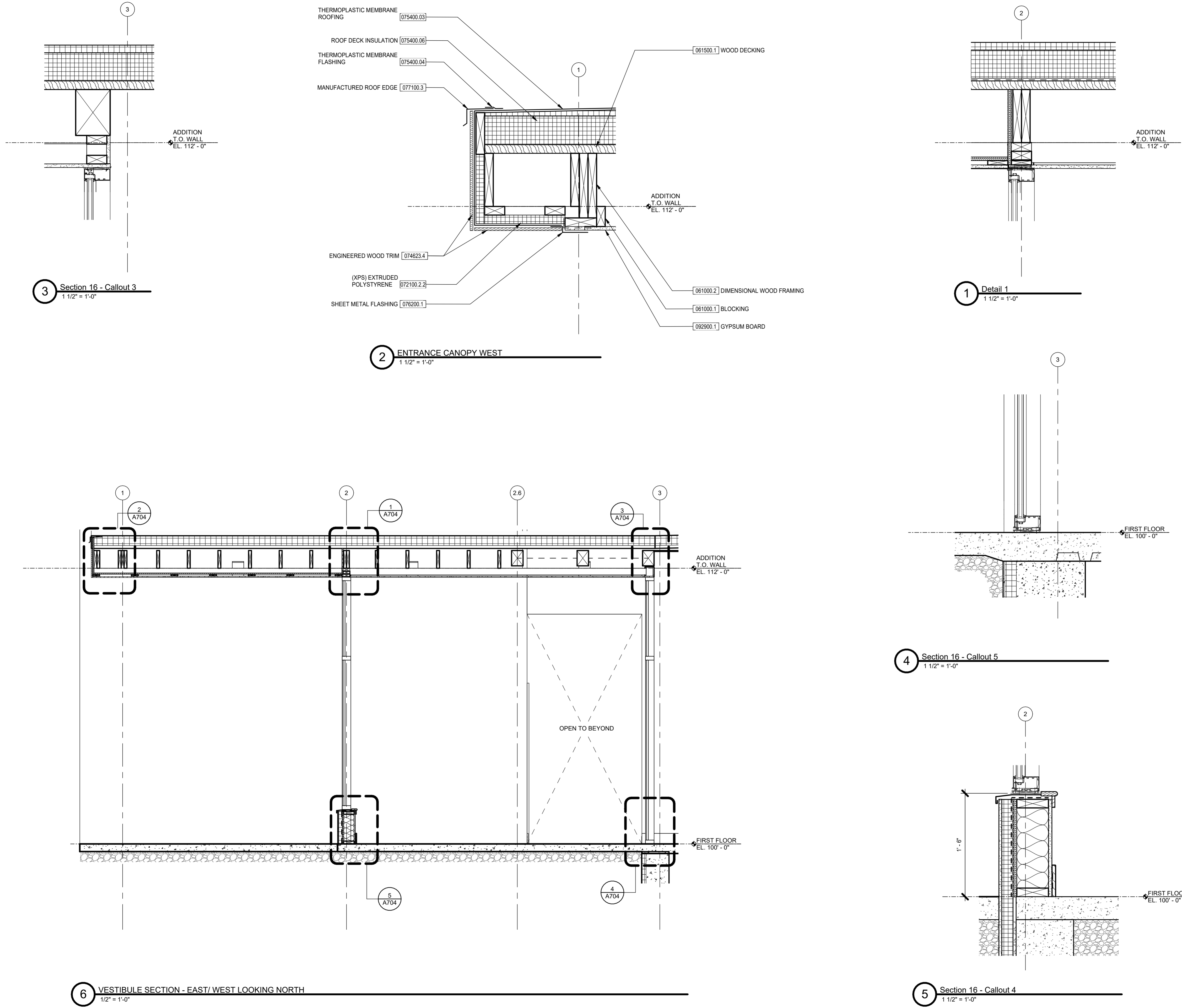
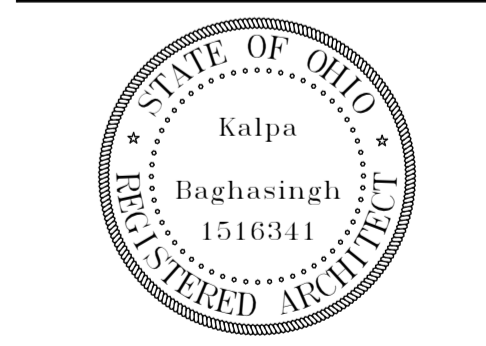


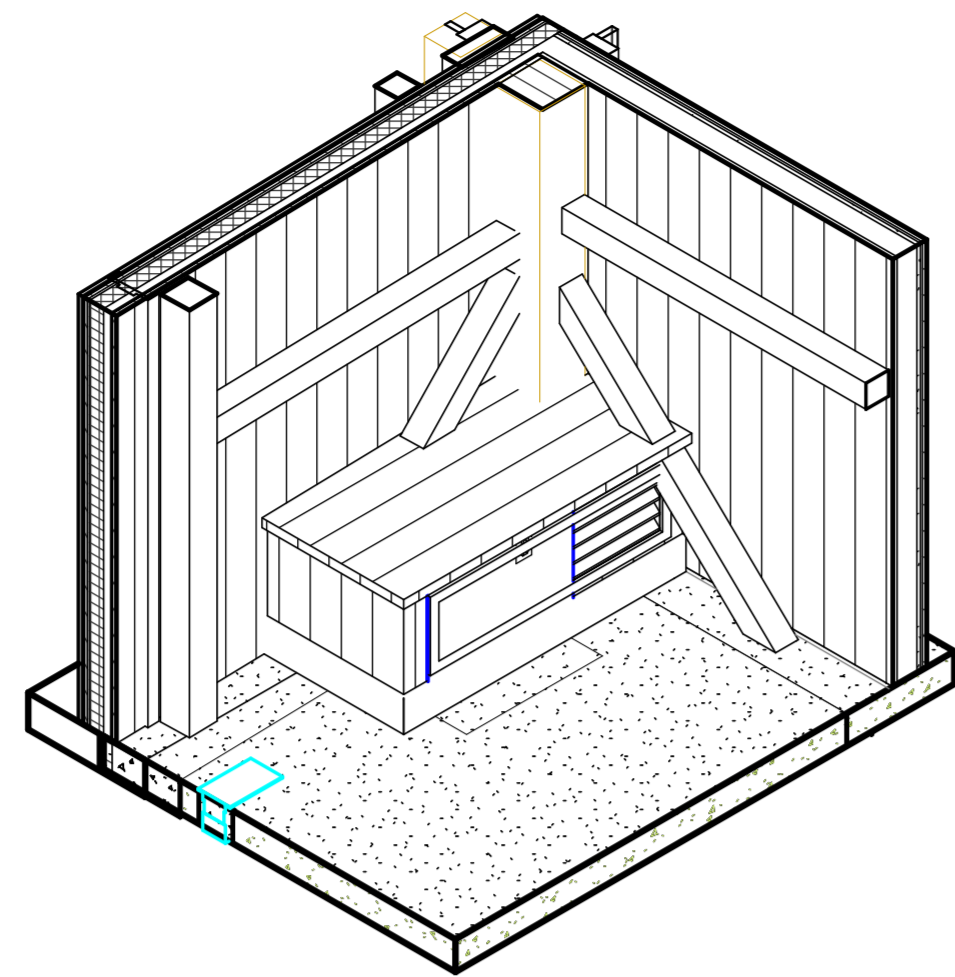
7 VESTIBULE STOREFRONT AT NEW BARN SIDING
 1 1/2" = 1'-0"



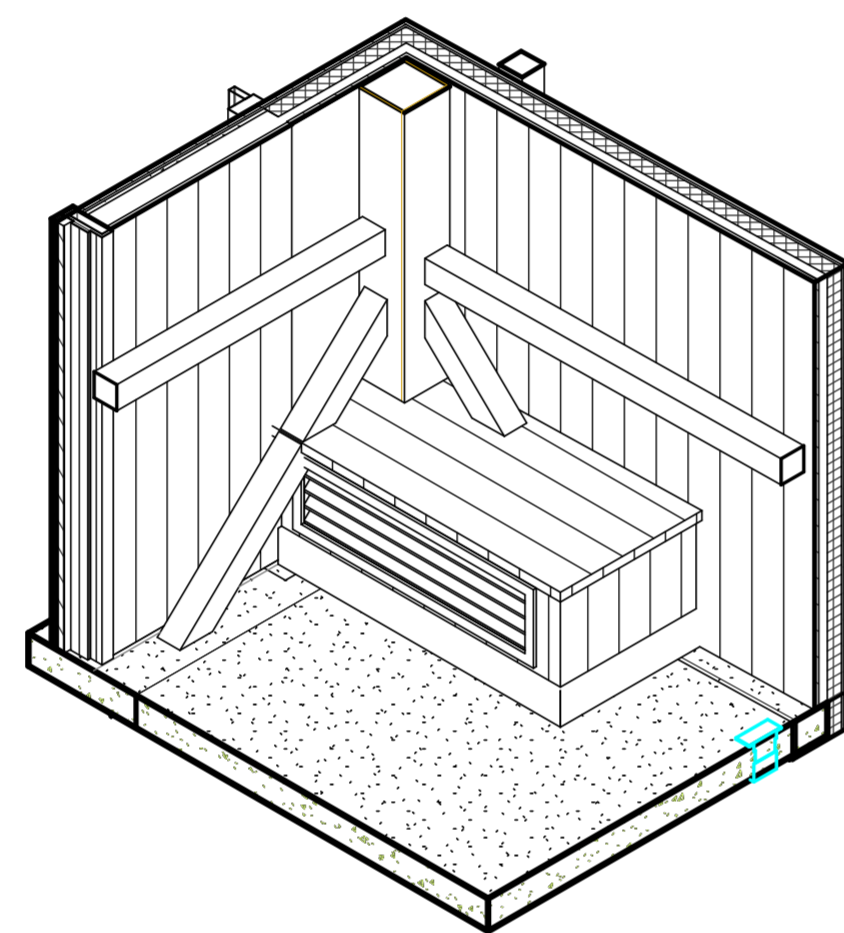
2 VESTIBULE - ENLARGED PLAN
 1/2" = 1'-0"

Revision Schedule		
#	Description	Date

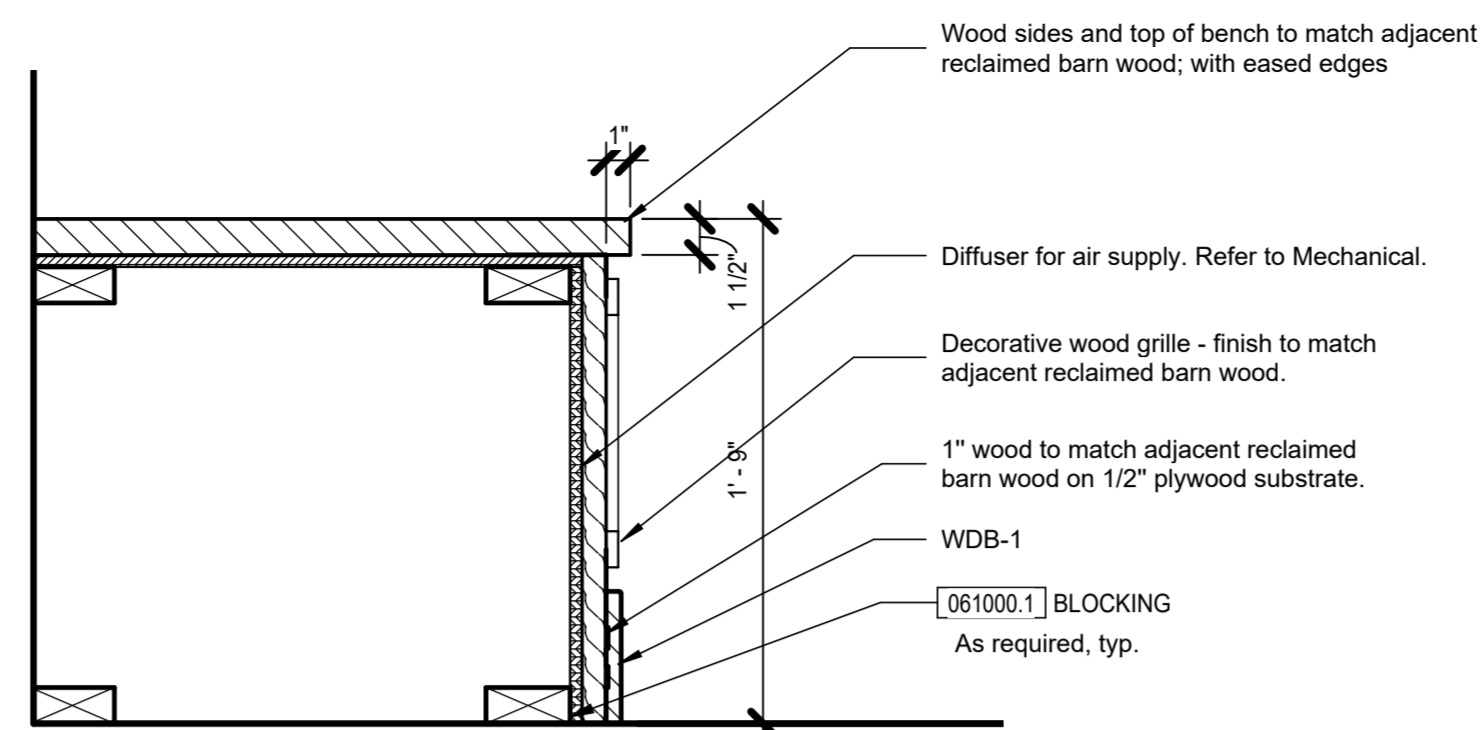




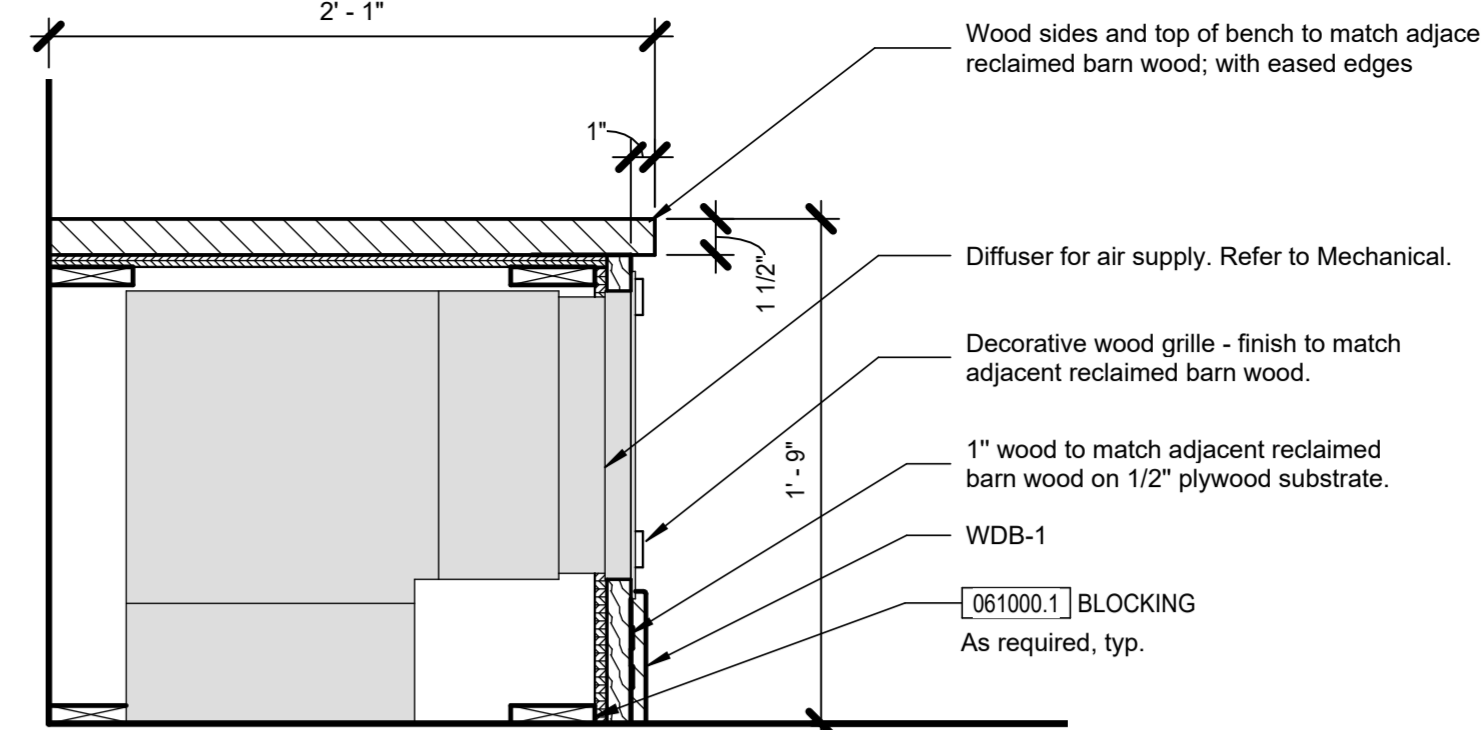
7 BENCH B AXONOMETRIC - FOR REFERENCE



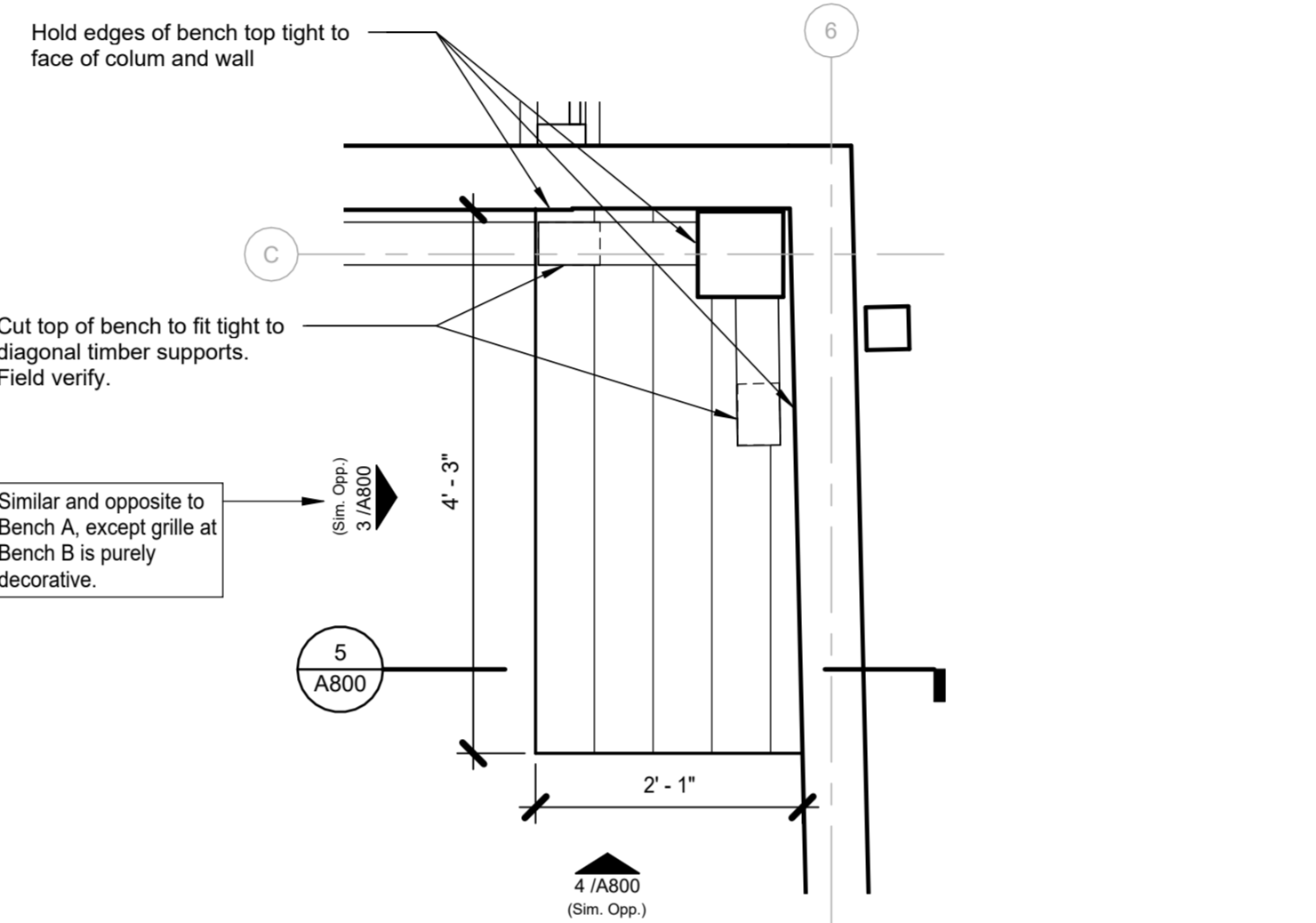
8 BENCH A AXONOMETRIC - FOR REFERENCE



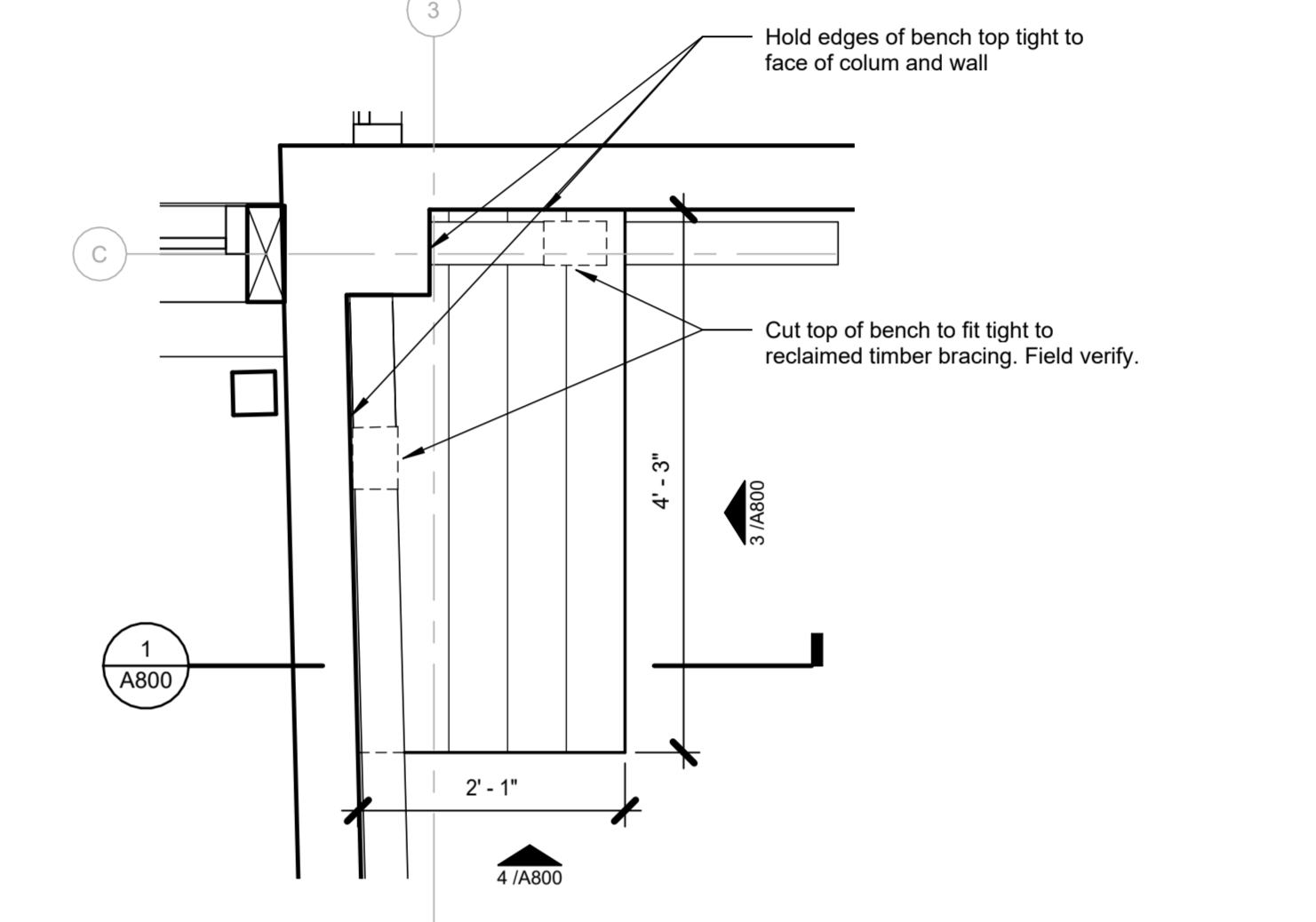
5 STANDARD BENCH B - SECTION DETAIL
1 1/2" = 1'-0"



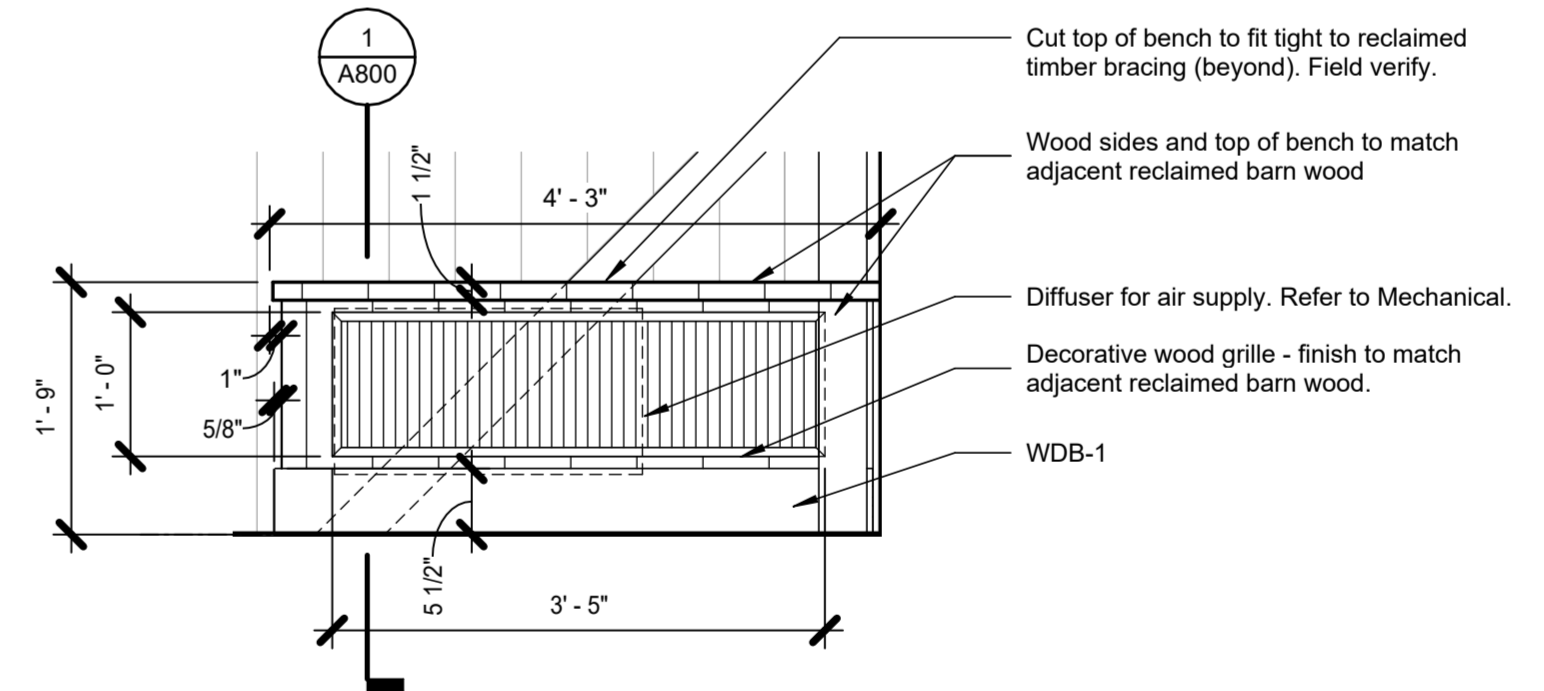
1 RETURN REGISTER BENCH A - SECTION DETAIL
1 1/2" = 1'-0"



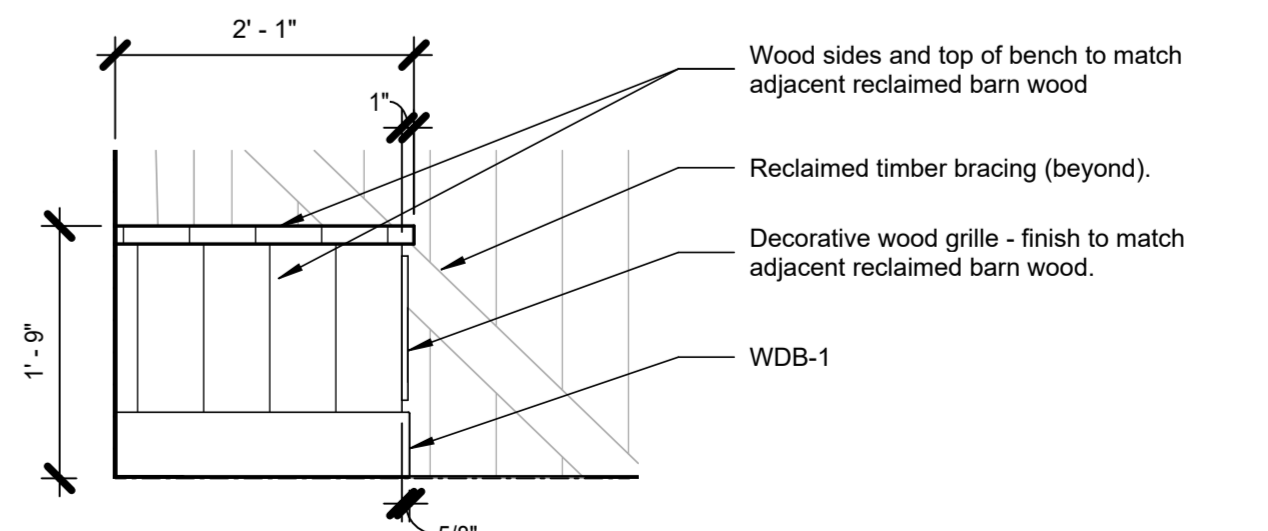
6 STANDARD BENCH B - ENLARGED PLAN
3/4" = 1'-0"



2 RETURN REGISTER BENCH A - ENLARGED PLAN
3/4" = 1'-0"

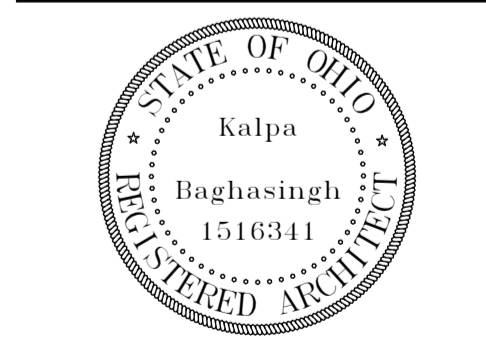


3 RETURN REGISTER BENCH A - FRONT ELEVATION
3/4" = 1'-0"

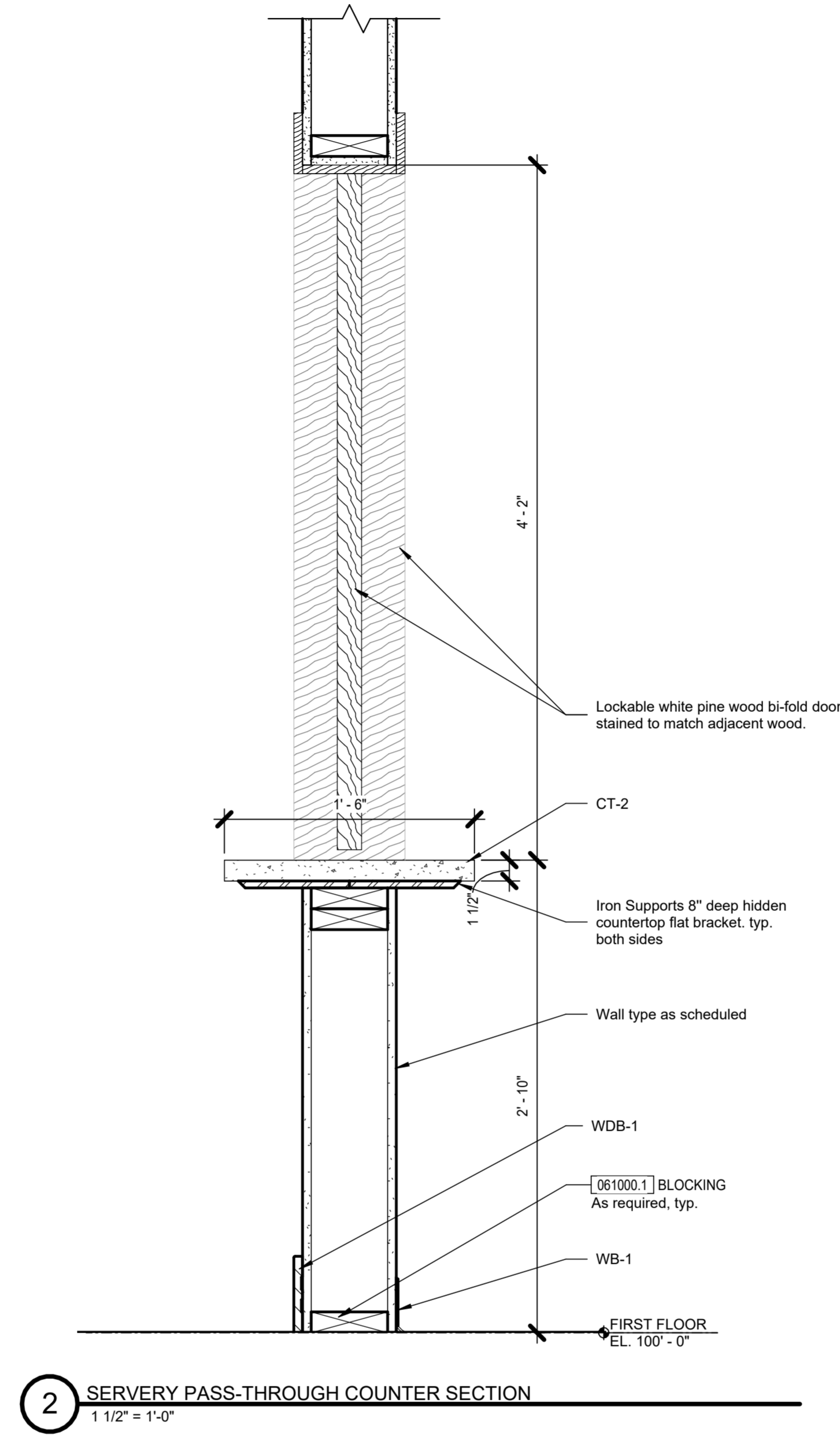


4 RETURN REGISTER BENCH A - SIDE ELEVATION
3/4" = 1'-0"

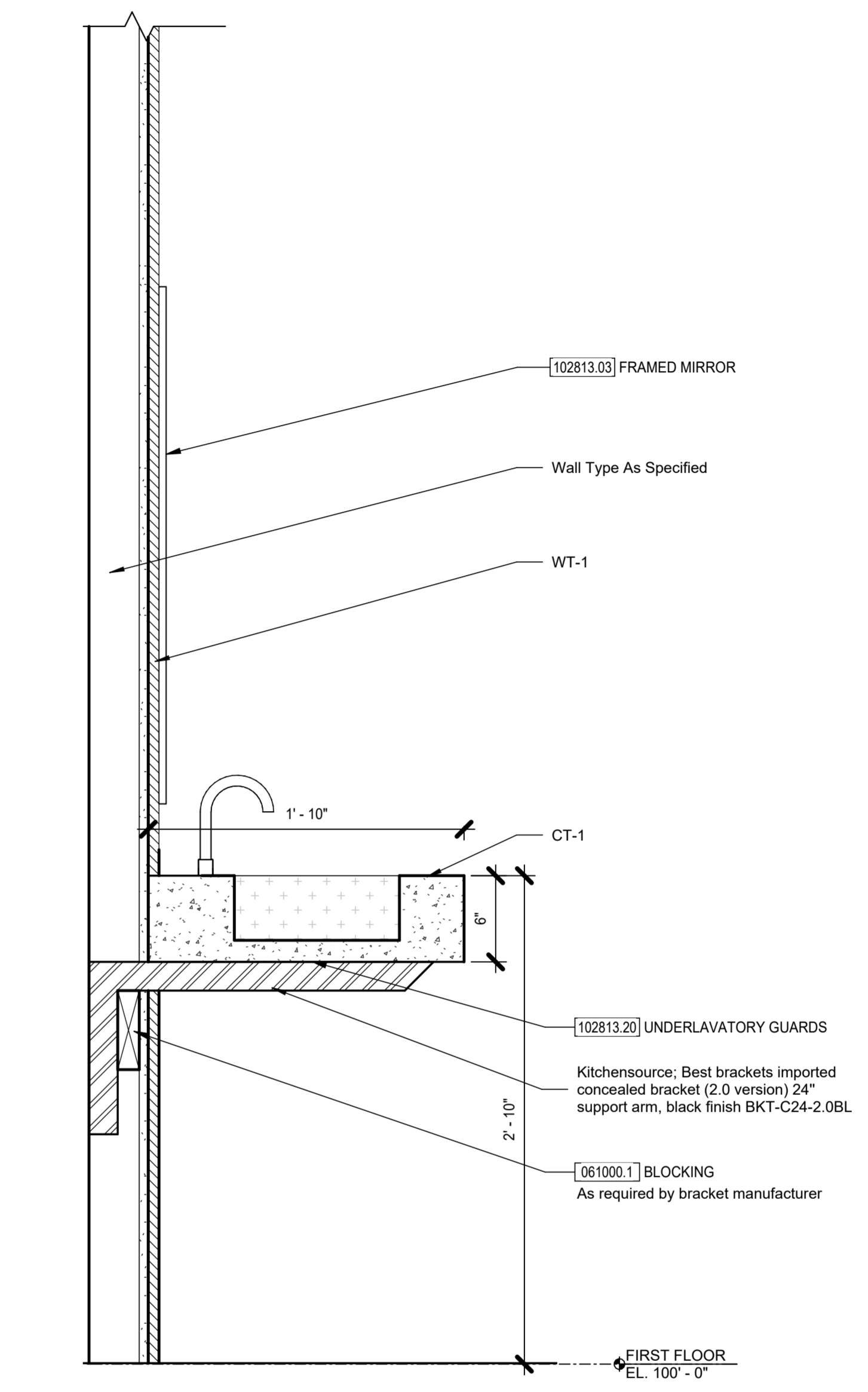
Revision Schedule		
#	Description	Date



Revision Schedule		
#	Description	Date



2 SERVERY PASS-THROUGH COUNTER SECTION
1 1/2" = 1'-0"



1 TYPICAL RESTROOM COUNTER SECTION
1 1/2" = 1'-0"

Bicentennial Barn - McCammon Creek Park

6844 Bale Kenyon Rd
Lewis Center, OH 43035



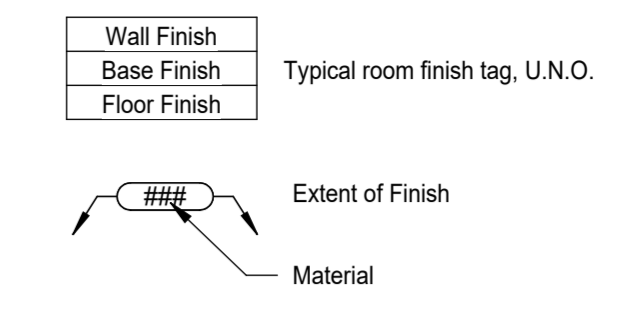
Kalpa Baghasingh, License #1516341
Expiration Date 12/31/2025

Interior Details

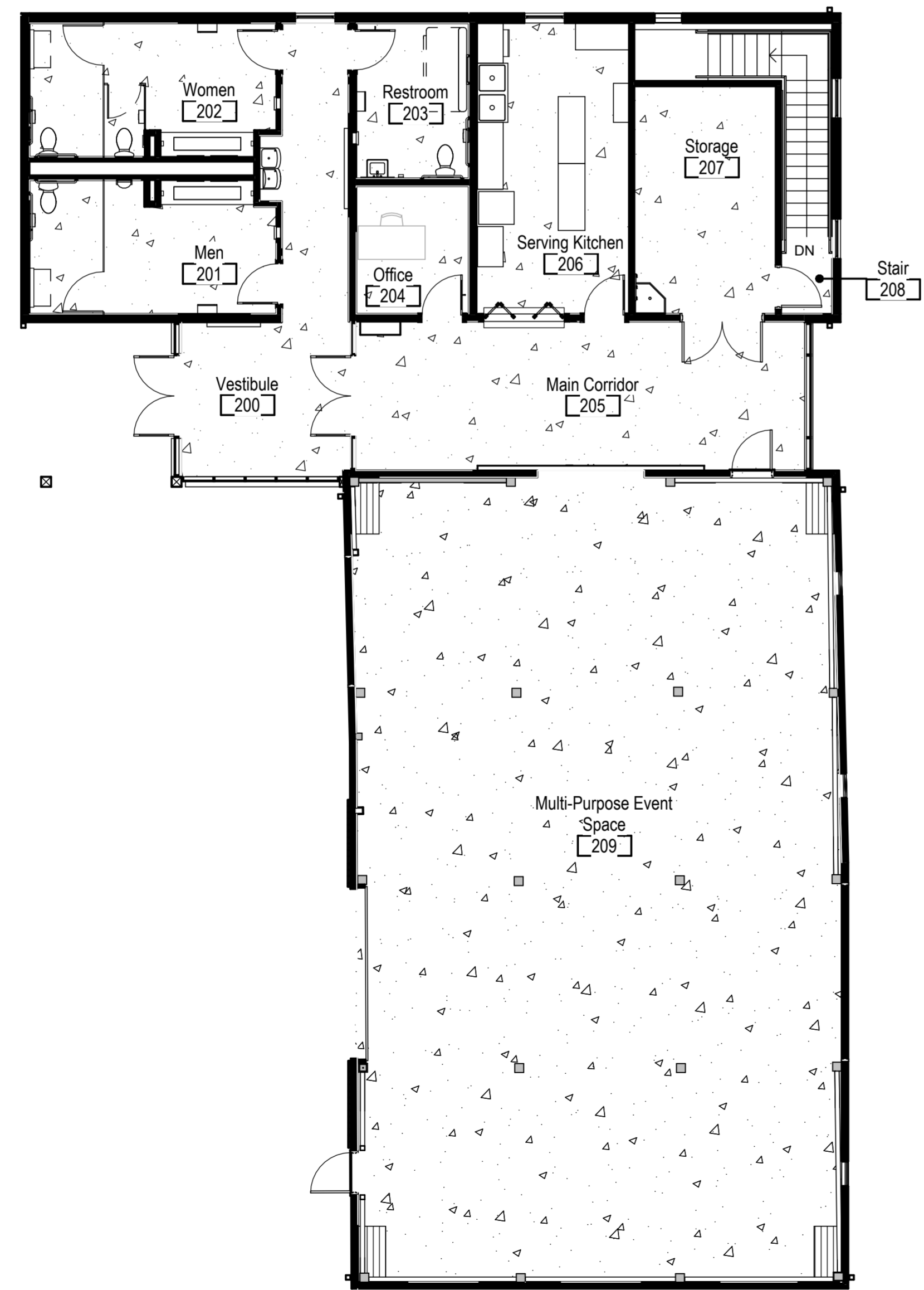
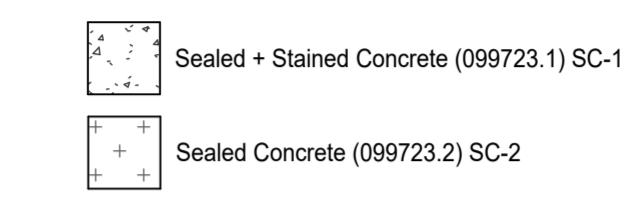
Room Finish Schedule									
ROOM #	ROOM NAME	FLOOR FINISH	BASE FINISH	CEILING FINISH	WALL FINISHES				REMARKS
					NORTH	EAST	SOUTH	WEST	
GROUND FLOOR									
100	Basement	SC-2	WB-1	Exposed	PT-1	PT-1	PT-1	PT-1	-
101	Mechanical/Electrical Room	SC-2	WB-1	Exposed	PT-1	PT-1	PT-1	PT-1	-
FIRST FLOOR									
200	Vestibule	SC-1	WDB-1	PT-2	LP Smartsiding	PT-1	PT-1	PT-1	Refer to A700's and A900 For Extents
201	Men	RF-1	RF-1	ACT	WT-1 / PT-1	PT-1	PT-1	PT-1	Refer to A700's and A900 For Extents
202	Women	RF-1	RF-1	ACT	PT-1	PT-1	WT-1 / PT-1	PT-1	Refer to A700's and A900 For Extents
203	Restroom	RF-1	RF-1	ACT	PT-1	PT-1	WT-1	PT-1	Refer to A700's and A900 For Extents
204	Office	SC-1	WB-1	ACT	PT-1	PT-1	PT-1	PT-1	-
205	Main Corridor	SC-1	WDB-1	Exposed	PT-1	PT-1	PT-1	PT-1	-
206	Serving Kitchen	SC-1	WB-1	ACT	PT-1	PT-1	PT-1	PT-1	-
207	Storage	SC-1	WB-1	PT-2	PT-1	PT-1	PT-1	PT-1	-
208	Stair	SC-1	WB-1	PT-2	PT-1	PT-1	PT-1	PT-1	Refer to A501 for stair details and finishes
209	Multi-Purpose Event Space	SC-1	WDB-1	N/A	N/A	N/A	N/A	N/A	WDB-1 at Benches

Schedule of Finishes									
LEGEND	KEYNOTE	ITEM	BASIS OF DESIGN MANUFACTURER	BASIS OF DESIGN PRODUCT	COLOR/FINISH	SIZE	EDGE/PROFILE	NOTES	
03 35 43 - Stained Concrete									
SC-1	099723.1	Stained+Sealed Concrete	Refer To Spec Section	Refer To Spec Section	Refer To Spec Section	-	-	-	
06 40 23 - Interior Architectural Woodwork									
WDB-1	064000.06	Wood Base	Keim Millwork	KL3243	Wood: Poplar Finish: Stained to match adjacent wood	-	-	-	
09 30 13 - Tiling									
WT-1	093013.1	Ceramic wall tile	Daltile	Emergent	Iron EM30	24"x48"	-	Install: Vertical Stacked / Grout: TBD	
09 50 00 - Acoustical Panel Ceilings									
ACT	095000.1	Armstrong Ceiling	Canyon	-	White / 1494	2x2'	Beveled Tegular	Refer to RCP's for locations	
09 65 16 - Resilient Flooring and Accessories									
RF-1	096516.1.1	Resilient Sheet Flooring	Armstrong Flooring	Medintone with diamond 10	H2012 / Talisman	6-1/2" x 65.61" x 1/8"	Bullnose	With 6" integral cove base	
WB-1	096516.2	Resilient Wall Base	Tarkett	-	29 Moon Rock	4"	Toe	-	
09 91 00 - Painting									
PT-1	099100.1	Wall Paint	Sherwin Williams	-	SW7014 / Eider White	-	-	Finish: Eggshell	
PT-2	099100.2	Ceiling Paint	Sherwin Williams	-	SW7014 / Eider White	-	-	Finish: Flat	
PT-3	099100.3	Trim Paint	Sherwin Williams	-	SW7014 / Eider White	-	-	Finish: Eggshell	
PT-4	099100.4	Accent Paint	Sherwin Williams	-	SW7018 / Dovetail	-	-	Finish: Eggshell	
PT-5	099100.5	Wall Paint	Valspar	Barn and Fence	Red 28598 Rojo	-	-	-	
09 97 23 Concrete Sealer									
SC-2	099723.2	Sealed Concrete	Prosocco	Consolideck LS	TBD	-	-	Color selected by Architect based on mockups and final selection	
12 36 00 - Countertops									
CT-1	123661.1	Concrete Countertop	Concrete Designs	Large Concrete Trough Sink / SKU: LTS84227	TBD	84"	-	2 Faucet Holes	
CT-2	123661.1	Concrete Countertop	Concrete Designs	Custom Concrete Countertop	TBD	6L x 18'W x 1-1/2" thick	Eased	-	

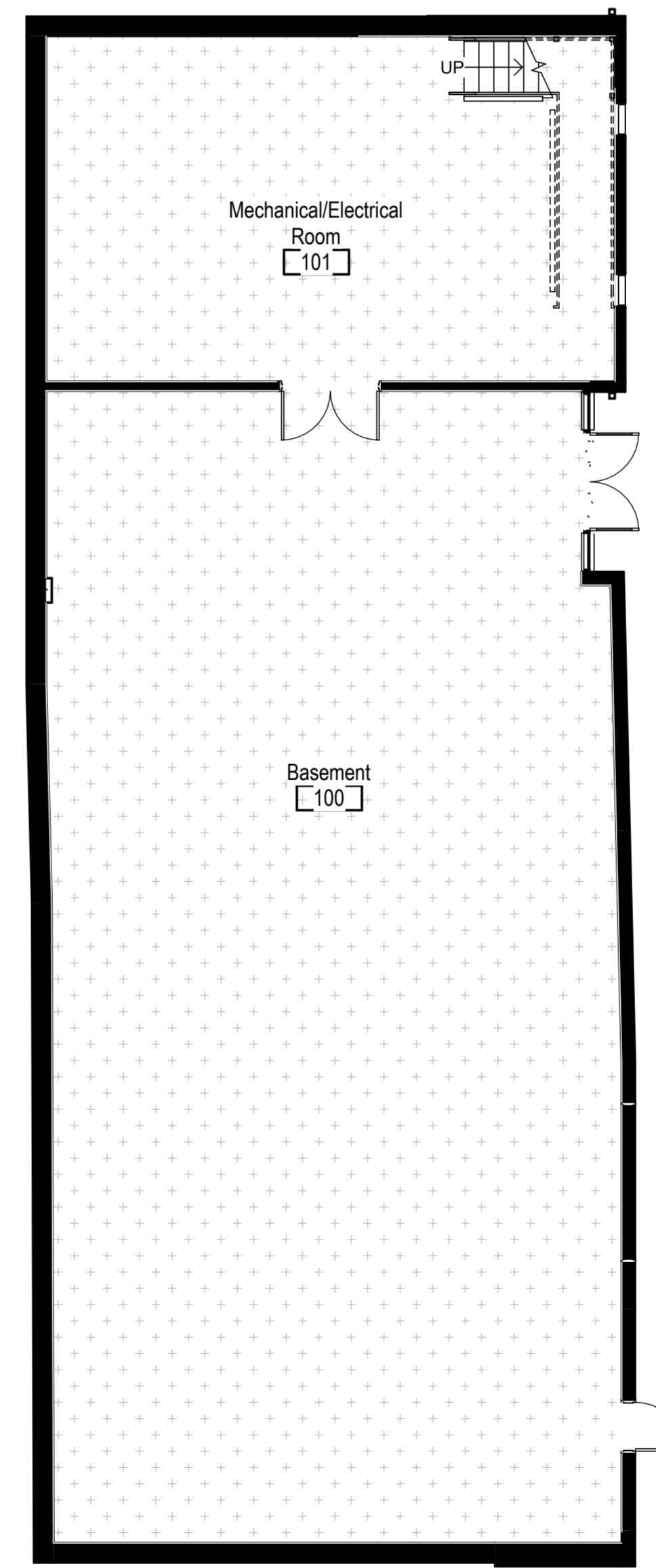
FINISH SYMBOL KEY



MATERIALS KEY



2 MAIN FLOOR FINISH PLAN
1/8" = 1'-0"



1 GROUND FLOOR FINISH PLAN
1/8" = 1'-0"



ARCHITECTURE. INSPIRED.
300 Marconi Boulevard T 614-628-0300
Columbus OH 43215 F 614-628-0311
schooleycaldwell.com

Consultants:
Civil, Structural & MEPT
Korda/Nemeth Engineering
1600 Watermark Drive, Columbus, OH 43215
614-487-1650
Barn Consultant
Mt. Vernon Barn Co.
7676 Co Rd 19, Fredericktown, OH 43019
614-634-2049

Drawing Issue Dates:
Design Development Submittal
11/17/2023
50% Construction Documents
07/19/2024
90% Construction Documents
01/15/2025
Bid Set / Permit Set
02/14/2025

Revision Schedule		
#	Description	Date

Bicentennial Barn -
McCammon Creek
Park

6844 Bale Kenyon Rd
Lewis Center, OH 43035

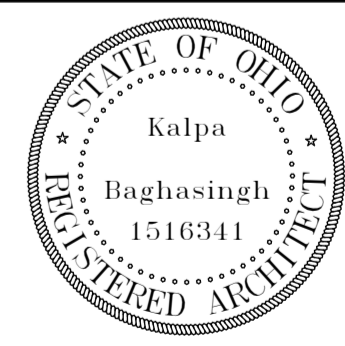


Kalpa Baghasingh, License #1516341
Expiration Date 12/31/2025

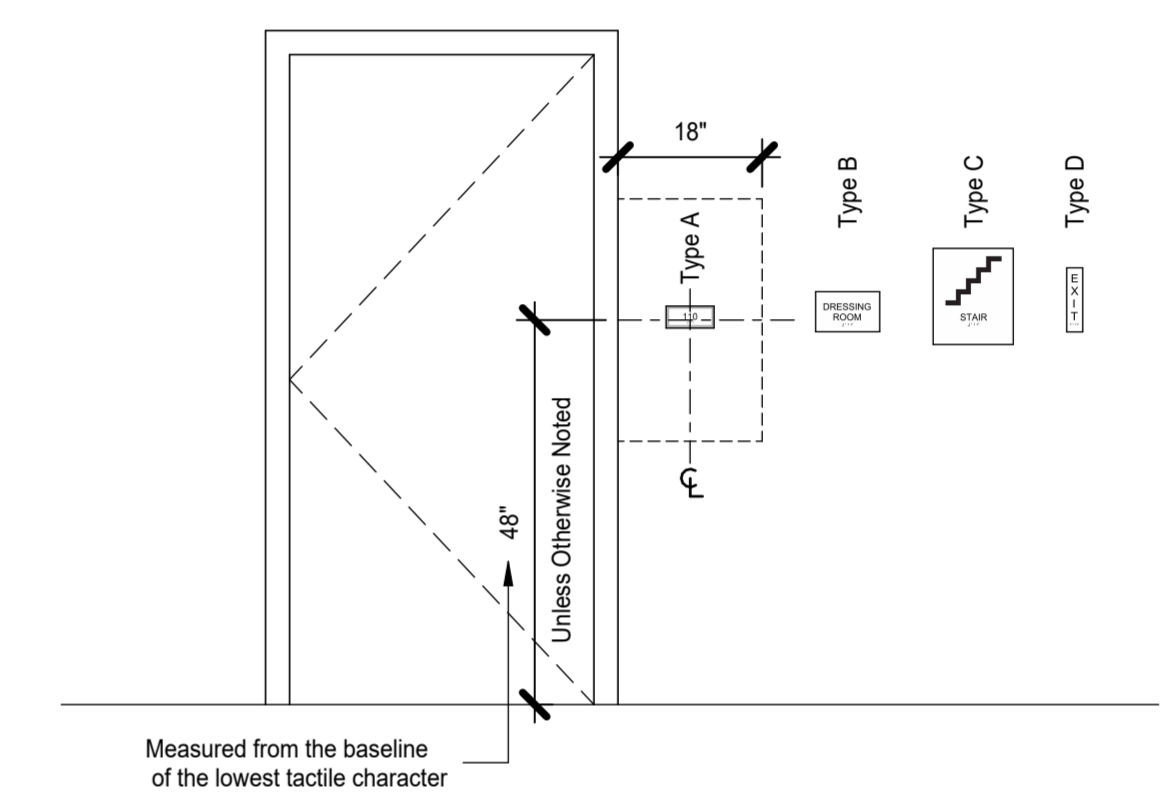
Finish Plans and
Schedules

Architectural
A900
02/14/2025
23070

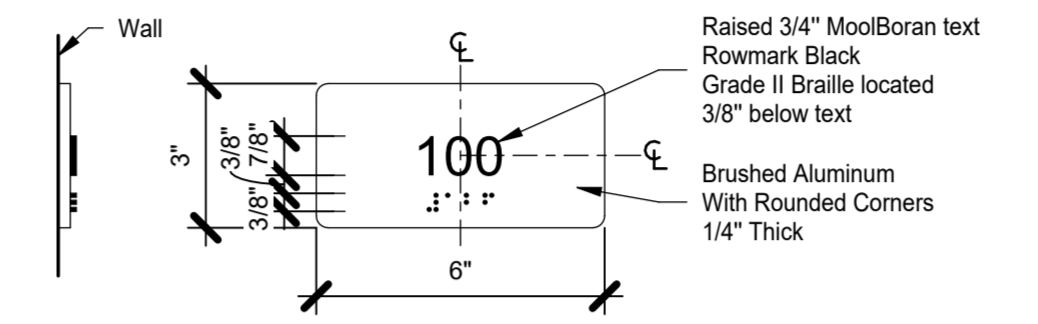
Revision Schedule		
#	Description	Date



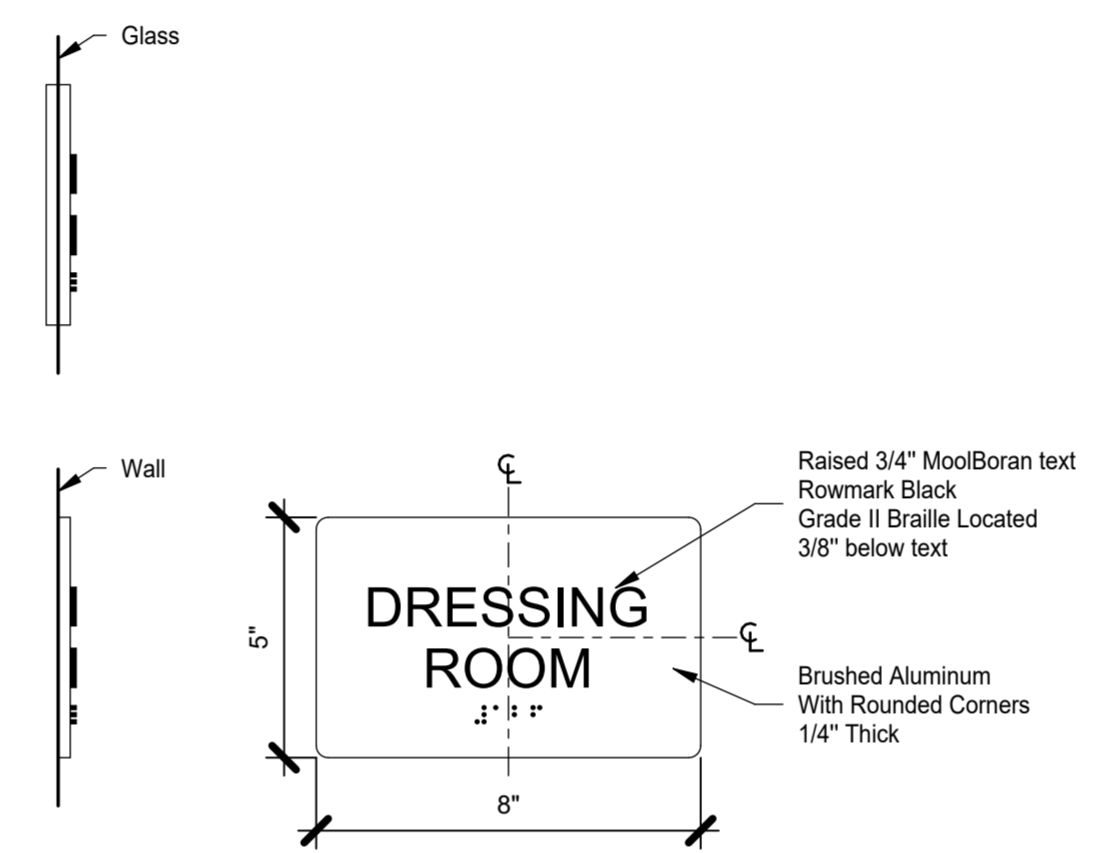
Signage Schedule			
Sign #	Sign Type	Sign Text	Notes
GROUND FLOOR			
001	B	EXIT (W/Braille)	-
002	D	EXIT (W/Braille)	Mounted To Mullion
003	A	102	-
FIRST FLOOR			
100	B	EXIT (W/Braille)	Mounted To Door
101	B	EVENT SPACE 209	Mounted To Door
102	B	STORAGE 207	-
103	B	STAIR (W/International Symbol and Braille)	-
104	B	STORAGE 207	-
105	B	SERVING KITCHEN 206	-
106	B	OFFICE 204	-
107	D	EXIT (W/Braille)	Mounted To Mullion
108	D	EXIT (W/Braille)	Mounted To Mullion
109	C	MEN (W/International Symbol For Male Restroom)	-
110	C	UNIVERSAL RESTROOM (W/International Symbols For Male, Female, and Wheelchair Accessible Restrooms)	-
111	C	WOMEN (W/International Symbol For Female Restroom)	-



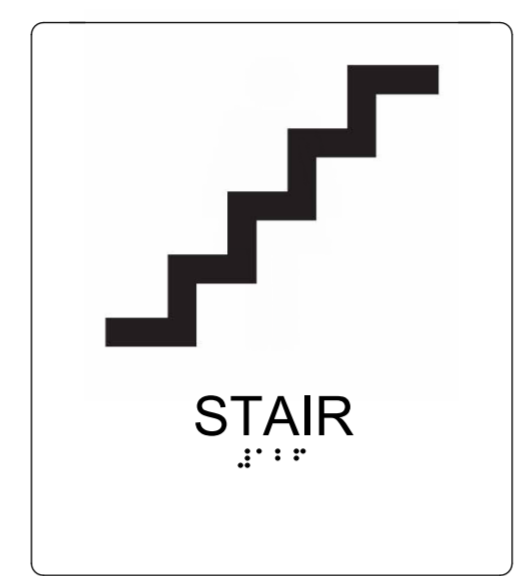
1 TYPICAL SIGNAGE MOUNTING HEIGHTS
1/2" = 1'-0"



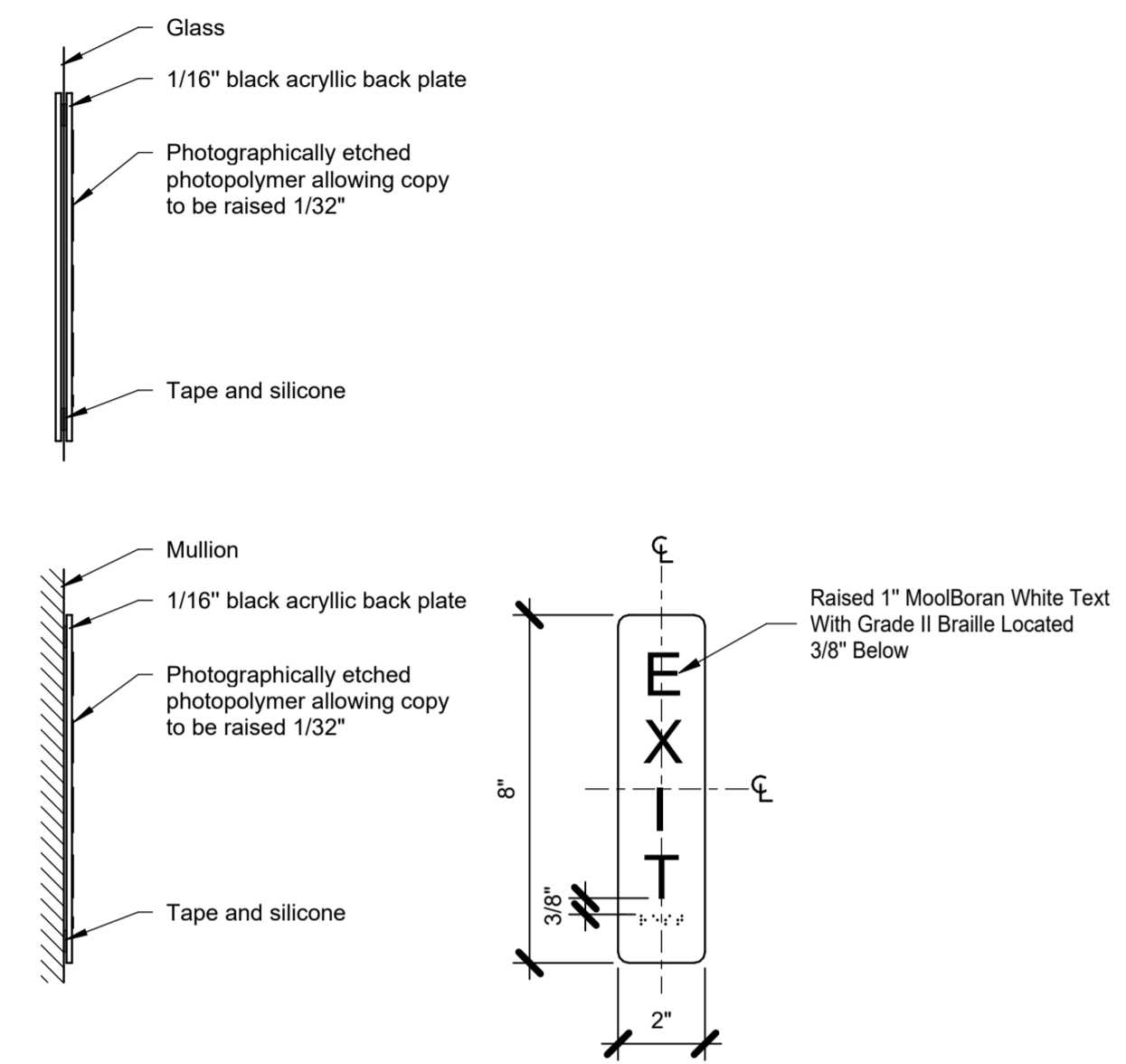
2 SIGN TYPE A - NUMBER
3" = 1'-0"



3 SIGN TYPE B - NAME/NUMBER
3" = 1'-0"



4 SIGN TYPE C
3" = 1'-0"

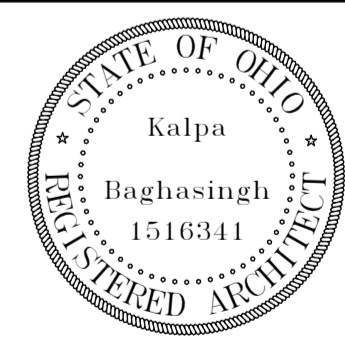


5 SIGN TYPE D
3" = 1'-0"

Revision Schedule		
#	Description	Date

**Bicentennial Barn -
McCammon Creek
Park**

6844 Bale Kenyon Rd
Lewis Center, OH 43035



Kalpa Baghasingh, License #1516341
Expiration Date 12/31/2025

Signage Plans

A912

02/14/2025

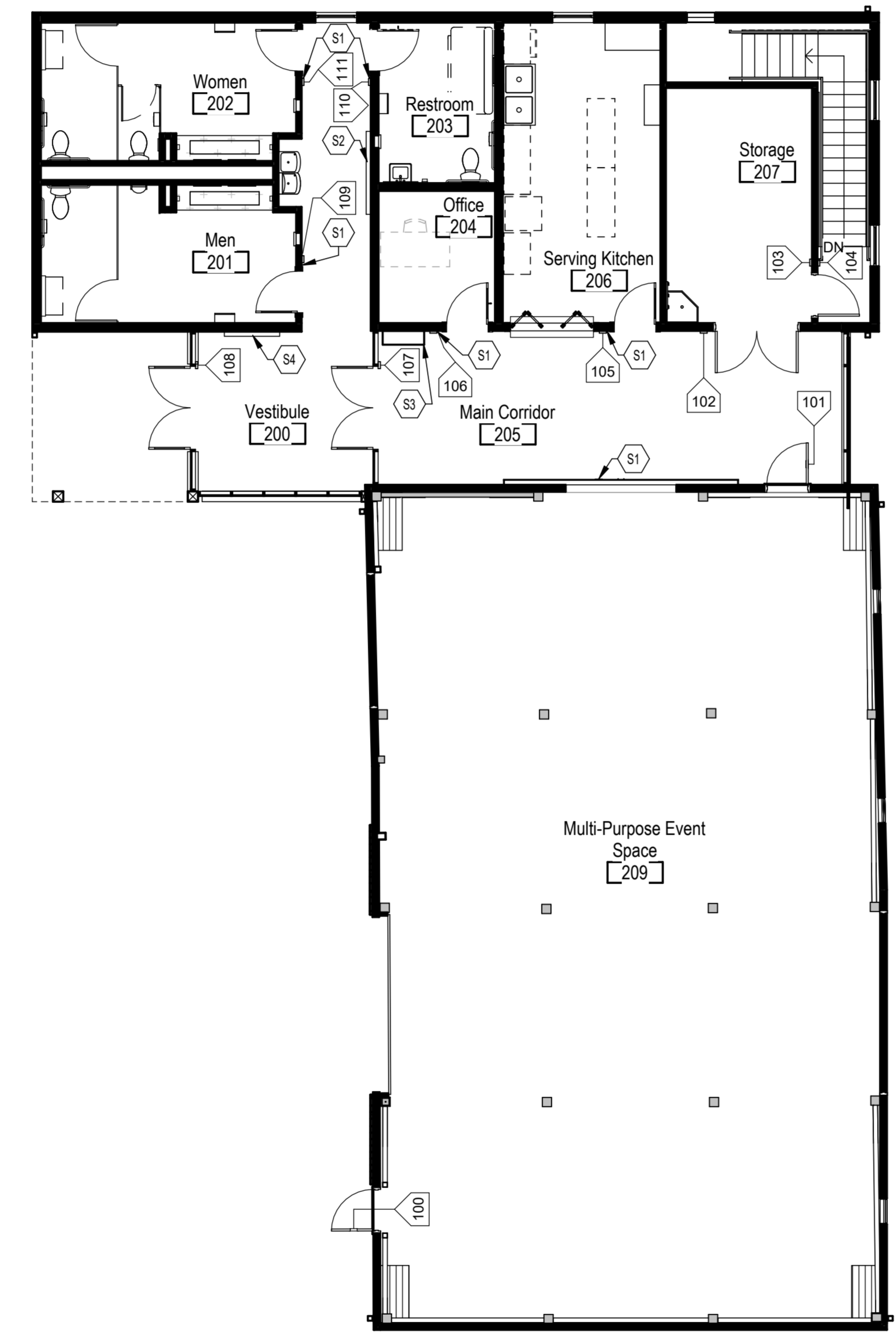
23070

SIGNAGE PLAN - CODED NOTES

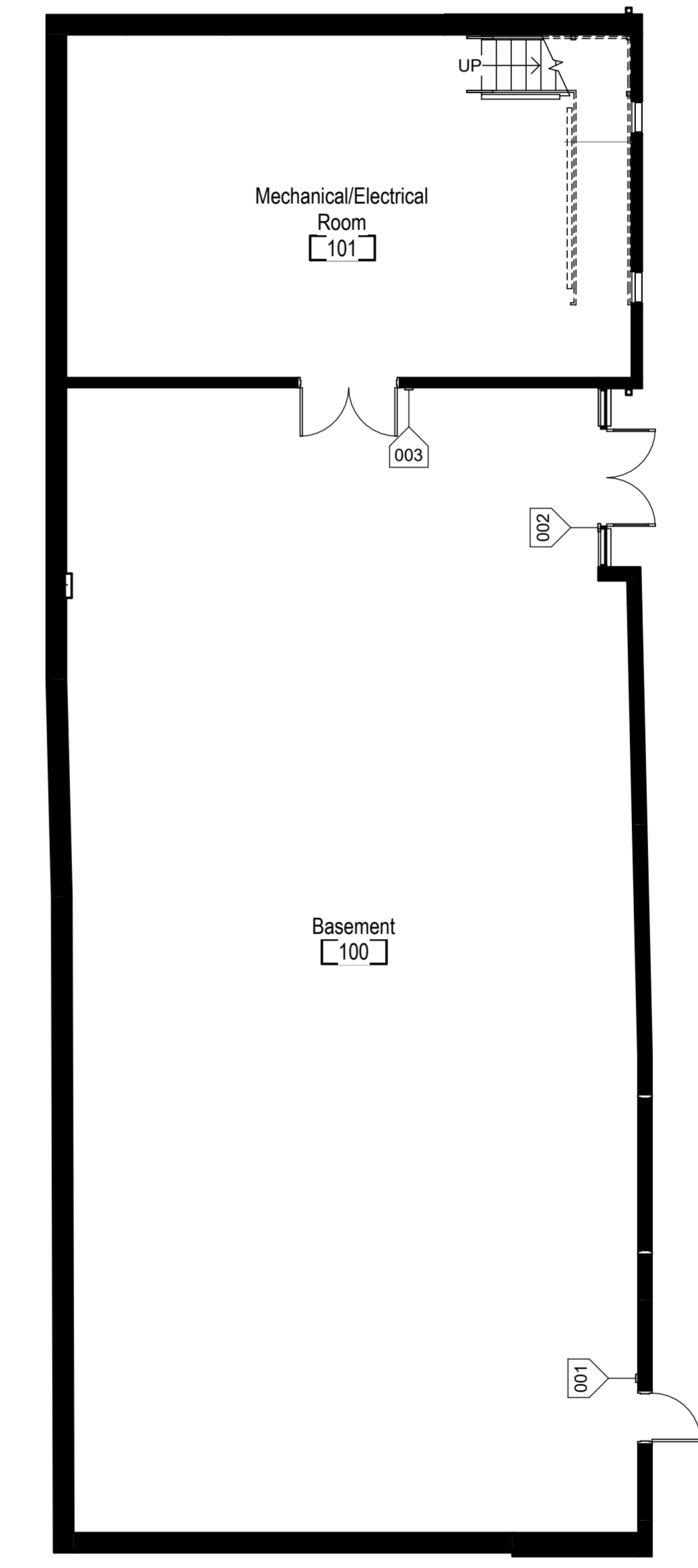
- S1 6"x6" Room donor plaque. Owner provided, contractor installed.
- S2 4'H x 6'W Historical Interpretation Sign. Owner provided, contractor installed. Coordinate power
- S3 3'W x 5'H Native American tool collection. Owner provided, contractor installed. Coordinate electric behind display case.
- S4 3'W x 4'H Donor kiosk with electric behind screen. Owner provided, contractor installed.

**SIGNAGE PLAN -
GENERAL NOTES**

- A. Signage to be accessible.
- B. Owner to review and approve room names/numbers before final signs are made and installed.



2 First Floor Signage Plan
1/8" = 1'-0"



1 GROUND FLOOR SIGNAGE PLAN
1/8" = 1'-0"

STRUCTURAL NOTES

A. GENERAL

- 1. THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE BUILDING IS FULLY COMPLETED. IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ERECTION PROCEDURES AND SEQUENCE, AND TO ENSURE THE STABILITY OF THE BUILDING AND ITS COMPONENT PARTS, AND THE ADEQUACY OF TEMPORARY OR INCOMPLETE CONNECTIONS DURING ERECTION. THIS INCLUDES THE ADDITION OF ANY SHORING, SHEETING, TEMPORARY GUYS, BRACING OR TIEDOWNS THAT MIGHT BE NECESSARY. SUCH MATERIAL IS NOT SHOWN ON THE DRAWINGS. IF APPLIED, THEY SHALL BE REMOVED AS CONDITIONS PERMIT, AND SHALL REMAIN THE CONTRACTOR'S PROPERTY. THE ENGINEER HAS NO EXPERTISE IN, AND TAKES NO RESPONSIBILITY FOR, CONSTRUCTION MEANS AND METHODS OR JOB SITE SAFETY DURING CONSTRUCTION. PROCESSING AND/OR APPROVING SUBMITTALS MADE BY THE CONTRACTOR WHICH MAY CONTAIN INFORMATION RELATED TO CONSTRUCTION METHODS OR SAFETY ISSUES, OR PARTICIPATION IN MEETINGS WHERE SUCH ISSUES MIGHT BE DISCUSSED, SHALL NOT BE CONSTRUED AS VOLUNTARY ASSUMPTION BY THE ENGINEER OF ANY RESPONSIBILITY FOR SAFETY PROCEDURES.
2. IT IS SOLELY THE RESPONSIBILITY OF EACH CONTRACTOR TO FOLLOW ALL APPLICABLE SAFETY CODES AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION. THE ENGINEER IS NOT ENGAGED IN, AND DOES NOT SUPERVISE, CONSTRUCTION.
3. EQUIPMENT FRAMING LOADS, OPENINGS AND STRUCTURE IN ANY WAY RELATED TO HVAC, PLUMBING, OR ELECTRICAL REQUIREMENTS ARE SHOWN FOR BIDDING PURPOSES ONLY. CONTRACTOR SHALL COORDINATE THIS INFORMATION WITH THE INVOLVED TRADES BEFORE PROCEEDING WITH SUCH PORTION OF THE WORK. EXCESS COST RELATED TO VARIATION IN THESE REQUIREMENTS TO BE BORNE BY THE APPROPRIATE CONTRACTOR.
4. SHOULD ANY OF THE DETAILED INSTRUCTIONS SHOWN ON THE PLANS CONFLICT WITH THESE STRUCTURAL NOTES, THE SPECIFICATIONS, OR WITH EACH OTHER, THE STRICTEST PROVISION SHALL GOVERN.
5. GOVERNING CODE: 2017 OHIO BUILDING CODE.
6. EXISTING BUILDING: PROVIDE TEMPORARY SUPPORTS AND OTHER MEASURES AS REQUIRED TO PREVENT DAMAGE TO THE EXISTING BUILDING DURING CONSTRUCTION. FIELD VERIFY ALL EXISTING DIMENSIONS AND ELEVATIONS WHICH AFFECT THE NEW CONSTRUCTION.
7. NO NAIL PENETRATIONS ARE TO BE VISIBLE THROUGH (E) WOOD SIDING
8. ROOF LIVE LOAD:
a. MINIMUM ROOF LIVE LOAD 20 PSF
9. ROOF SNOW LOAD: 20 MINIMUM FLAT ROOF SNOW LOAD (p_min) OR 14 PSF (p) PLUS THE EFFECTS OF DRIFTING SNOW.
a. GROUND SNOW LOAD (p_g) = 20 PSF
b. FLAT ROOF SNOW LOAD (p) = 14 PSF, (p_min) = 20 PSF
c. SNOW EXPOSURE FACTOR (C_e) = 1.0
d. SNOW LOAD IMPORTANCE FACTOR (I) = 1.0
e. THERMAL FACTOR (C_t) = 1.0
f. SEE CHART/KEY PLAN ON S001 FOR SNOW DRIFT LOADS
10. DESIGN FLOOR LIVE LOADS:
a. ASSEMBLY / CORRIDORS = 100 PSF
b. RESTROOMS / KITCHENS = 40 PSF
c. MECHANICAL ROOMS = 150 PSF OR 50 PSF + WEIGHT OF THE EQUIPMENT
11. WIND DESIGN PARAMETERS
a. ULTIMATE DESIGN WIND SPEED (V_{ult}) = 115 MPH
b. WIND EXPOSURE = EXPOSURE C
c. INTERNAL PRESSURE COEFFICIENTS = +/-0.18
d. MULTIPLY WIND LRFD LOADS BY 0.6 FOR ASD LOADS

Table with 5 columns: EWA (SQ. FT.), ROOF INT., ROOF EDGE, ROOF CORNER, WALL INTERIOR, WALL CORNER. Rows for wind pressures at heights 10, 20, 50, 100, 200, 500 feet.

(CORNER EDGE ZONE WIDTH: "a" = 4 FT)

- 12. SEISMIC DESIGN PARAMETERS
a. RISK CATEGORY - II
b. SEISMIC IMPORTANCE FACTOR = 1.0
c. MAPPED SPECTRAL RESPONSE ACCELERATION: S_s = 0.119, S_1 = 0.06
d. SITE CLASS - D
e. SPECTRAL RESPONSE COEFFICIENTS: S_{DS} = 0.127, S_{D1} = 0.096
f. SEISMIC DESIGN CATEGORY = CATEGORY B
g. BASIC SEISMIC FORCE RESISTING SYSTEMS
LIGHT-FRAME (WOOD) WALLS SHEATHED WITH WOOD STRUCTURAL PANELS RATED FOR SHEAR RESISTANCE
h. SEISMIC RESPONSE COEFFICIENT (C_s) = 0.0181
i. RESPONSE MODIFICATION FACTOR (R) = 7
j. ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE

B. REINFORCED CONCRETE

- 1. MATERIALS:
a. SPECIFICATIONS: IN GENERAL, COMPLY WITH ACI 301-10 "SPECIFICATIONS FOR STRUCTURAL CONCRETE."
b. STRUCTURAL CONCRETE

Table with 3 columns: CLASS, LOCATION, f_c (PSI). Rows for foundations and piers, interior slabs, polished/sealed interior slabs, exterior slabs, and backfill below foundations.

- c. ALL DEFORMED REINFORCING BARS: F_y = 60,000 PSI
2. FIELD MANUAL: PROVIDE AT LEAST ONE COPY OF THE ACI FIELD REFERENCE MANUAL, SP-15, IN THE FIELD OFFICE AT ALL TIMES.
3. OPENINGS:
a. OPENINGS SHOWN ARE FOR BIDDING PURPOSES ONLY. COORDINATE THEIR EXACT SIZES AND LOCATIONS WITH HVAC, PLUMBING, AND OTHER REQUIREMENTS BEFORE PROCEEDING WITH WORK.
b. IF ANY OPENING NOT SHOWN ON THE PLANS IS REQUIRED, SECURE APPROVAL OF THE STRUCTURAL ENGINEER BEFORE PROCEEDING.
c. PROVIDE REBAR EACH SIDE OF ALL OPENINGS AND REENTRANT CORNERS PER DETAIL 10/S510.
4. FOUNDATIONS, PIERS, COLUMNS, WALLS:
a. DOWELS IN FOUNDATIONS TO MATCH VERTICAL PIER, COLUMN, OR WALL REBAR.
b. UNLESS SHOWN OTHERWISE, PROVIDE THE FOLLOWING WALL REINFORCING:
WALL THICKNESS HORIZONTAL STEEL VERTICAL STEEL
6 AND 8 INCHES #4 @ 12" O.C. #4 @ 18" O.C.
10 AND 12 INCHES #4 @ 16" O.C. EF #4 @ 18" O.C. EF
c. PROVIDE CORNER BARS AT WALL CORNERS TO MATCH HORIZONTAL REINFORCING, LAP PER SPLICE SCHEDULE.
d. DO NOT BACKFILL AGAINST BASEMENT WALLS UNTIL BOTH THE SLAB-ON-GRADE AND THE SUPPORTED SLAB ABOVE ARE IN PLACE AND CURED.
e. BACKFILL AGAINST BOTH SIDES OF WALLS EQUALLY UNTIL THE LOWER ELEVATION IS ATTAINED.
f. PROVIDE MIN. 2" THICK LAYER OF GRANULAR BACKFILL FULL HEIGHT OF ALL BASEMENT AND RETAINING WALLS.
g. CAST IN CONTINUOUS DOVETAIL ANCHOR SLOTS ON VERTICAL SURFACES WHERE MASONRY ABUTS, 18" O.C. FOR PARALLEL SURFACES, AT CENTERLINE OF MASONRY FOR PERPENDICULAR SURFACES.
h. PROVIDE CLASS IV CONTROLLED DENSITY FILL UNDER FOUNDATIONS FOR ACCIDENTAL OVER-EXCAVATION, SOFT SPOTS, AND TRENCHES.

- 5. SPLICES: UNLESS NOTED OTHERWISE, MINIMUM LAP SPLICE LENGTHS TO BE AS FOLLOWS: (MULTIPLY LAP LENGTHS BY 1.33 FOR REINFORCEMENT IN LIGHTWEIGHT CONCRETE)

Table with 5 columns: BAR SIZE, BEAMS, COLUMNS & WALLS (1/8" MIN. COVER TO BAR), SLABS, TOP BARS, OTHER BARS. Rows for bar sizes #3 through #11.

- 6. CONCRETE JOINTS:
a. CONSTRUCTION JOINTS PERMITTED ONLY WHERE SHOWN OR AS APPROVED BY THE STRUCTURAL ENGINEER. ALL CONSTRUCTION JOINTS ARE TO BE KEVED. KEYWAYS SHALL BE 1-1/2 INCHES DEEP X 1/3 MEMBER THICKNESS.
b. PROVIDE CONTRACTION / CONSTRUCTION JOINTS IN CONCRETE WALLS PER 3/S510.
7. CONCRETE COVER: UNLESS NOTED OTHERWISE, DETAIL REINFORCING TO PROVIDE CONCRETE COVER AS FOLLOWS:

Table with 2 columns: CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH, CONCRETE EXPOSED TO EARTH OR WEATHER. Rows for #5 bars and smaller, others, and beam and column bars.

- 8. MISCELLANEOUS:
a. GROUT UNDER BEARING PLATES, SETTING PLATES, AND COLUMN BASE PLATES SHALL BE NON-SHRINKING TYPE. THE USE OF LEVELING PLATES AT COLUMN BASES IS PROHIBITED. GROUT BELOW BEARING PLATES, SETTING PLATES, AND COLUMN BASE PLATES IS TO BE INSTALLED ONLY AFTER THE STEEL IS PLUMBED.
9. CONTINGENCIES:
a. PROVIDE SUPPORTS AS REQUIRED TO MAINTAIN ALIGNMENT OF SCHEDULED REINFORCING. SUCH SUPPORTS ARE TO BE REFLECTED IN THE BID, AND ARE NOT PART OF THE CONTINGENCY QUANTITY LISTED ABOVE.

C. STRUCTURAL STEEL

- 1. THE STEEL FRAME AS DESIGNED IS A NON-SELF-SUPPORTING STEEL FRAME. COORDINATE THE ERECTION WITH THE INSTALLATION OF OTHER BUILDING ELEMENTS REQUIRED FOR THE STRUCTURE'S STABILITY. THESE ELEMENTS INCLUDE SLABS, METAL DECK, MASONRY WALLS, CONCRETE WALLS AND LIGHT GAGE METAL FRAMING.
2. MATERIALS:
a. STRUCTURAL STEEL CHANNEL, ANGLES, PLATES, ETC.: ASTM A36, F_y = 36 KSI
b. STRUCTURAL STEEL WIDE FLANGES: ASTM A572 OR ASTM A992, F_y = 50 KSI
c. BASE PLATE: ASTM A36, F_y = 36 KSI
d. BASE PLATE SHEAR LUG: ASTM A572 OR ASTM A529, F_y = 50 KSI
e. HIGH STRENGTH BOLTS: ASTM A325 OR A490
f. ANCHOR RODS: ASTM F1554 GR.36 TYP. ASTM F1554 GR.55 AT BRACED FRAME AND MOMENT FRAME COLUMNS
g. ELECTRODES: SERIES E70
h. STRUCTURAL PIPES: ASTM A53 OR A501; F_y = 35 KSI MIN
i. ROUND TUBING: ASTM A500, F_y = 42 KSI
j. SQUARE AND RECTANGULAR TUBING: ASTM A500, F_y = 46 KSI
3. SPECIFICATION: WELDING PERSONNEL AND PROCEDURES ARE TO BE QUALIFIED PER AWS D1.1. UNLESS SPECIFICALLY SHOWN OTHERWISE, DESIGN, FABRICATION AND ERECTION TO BE GOVERNED BY:
a. AISC SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS (JUNE 22, 2010).
b. AISC CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES (APRIL 14, 2010).
c. STRUCTURAL WELDING CODE, AWS D1.1/D1.1M, 2015 OF THE AMERICAN WELDING SOCIETY.
d. SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM HIGH-STRENGTH BOLTS (DECEMBER 31, 2009).

- 4. CONNECTIONS:
a. FIELD CONNECTIONS TO BE BOLTED. SHOP CONNECTIONS TO BE WELDED OR BOLTED. CONNECTIONS TO BE SELECTED BY THE FABRICATOR TO DEVELOP THE FULL UNIFORM LOAD CAPACITY OF THE MEMBER OR THE FORCES/REACTIONS SHOWN ON PLAN. FOR COMPOSITE BEAMS, SELECT CONNECTIONS FOR 1.5 X THE FULL UNIFORM LOAD CAPACITY OF THE STEEL MEMBER OR THE FORCES/REACTIONS SHOWN ON PLAN. CONNECTIONS OF BEAMS FRAMING INTO A GIRDER FROM ONE SIDE ONLY, SUCH AS AT SPANDREL GIRDERS, SHALL BE MADE WITH DOUBLE ANGLE CONNECTIONS, UNLESS INDICATED OTHERWISE. ALL OTHER CONNECTIONS MAY BE DOUBLE ANGLE CONNECTIONS OR SINGLE PLATE SHEAR CONNECTIONS. FOLLOW INSTRUCTIONS ON DRAWINGS FOR GENERAL ARRANGEMENT OR PARTICULAR DETAILS.
b. CONNECTIONS OF HSS BEAMS OR GIRTS TO BE END PLATES OR DOUBLE ANGLES (ORIENTED VERTICALLY) WITH BOLTS SELECTED BY THE FABRICATOR TO DEVELOP THE FULL UNIFORM LOAD CAPACITY OF THE MEMBER FOR THE MEMBER'S STRONG AXIS OR FORCES SHOWN ON PLANS. CONNECTIONS OF HORIZONTAL HSS MEMBERS TO HSS COLUMNS SHALL BE FIELD WELDED ALL AROUND WITH AISC MINIMUM FILLET WELDS (OR FLARE-BEVEL GROOVE WELDS AT HSS CORNERS) WITH ALL WELDS GROUNDED SMOOTH PER AESS REQUIREMENTS.
c. FULL PENETRATION AND PARTIAL PENETRATION FIELD WELDS IN MATERIAL OVER 5/16 INCH THICK AND WELDED FIELD SPLICE OF MAIN MEMBERS SHALL BE SUBJECTED TO NON-DESTRUCTIVE TESTING (OTHER THAN VISUAL INSPECTION) BY AN INDEPENDENT LABORATORY.
d. ALL BOLTS IN BRACED FRAMES AND BOLTS IN SHEAR CONNECTIONS USED IN CONJUNCTION WITH FULL OR PARTIAL PENETRATION FLANGE WELDS SHALL BE SLIP CRITICAL TYPE.
5. GALVANIZING: ALL SHELF ANGLES, LINTELS IN EXTERIOR WALLS, ALL EXTERIOR STEEL EXPOSED TO THE ELEMENTS, AND ALL ITEMS INDICATED ON THE DRAWINGS AS "GALVANIZED" SHALL BE GALVANIZED.
6. PAINT:
a. DO NOT PAINT STEEL OR ANCHOR RODS WHICH WILL BE GALVANIZED, ENCASED IN CONCRETE, STEEL THAT WILL RECEIVE SPRAYED-ON FIREPROOFING OR ANY STEEL NOT EXPOSED TO VIEW IN THE FINISHED STRUCTURE.

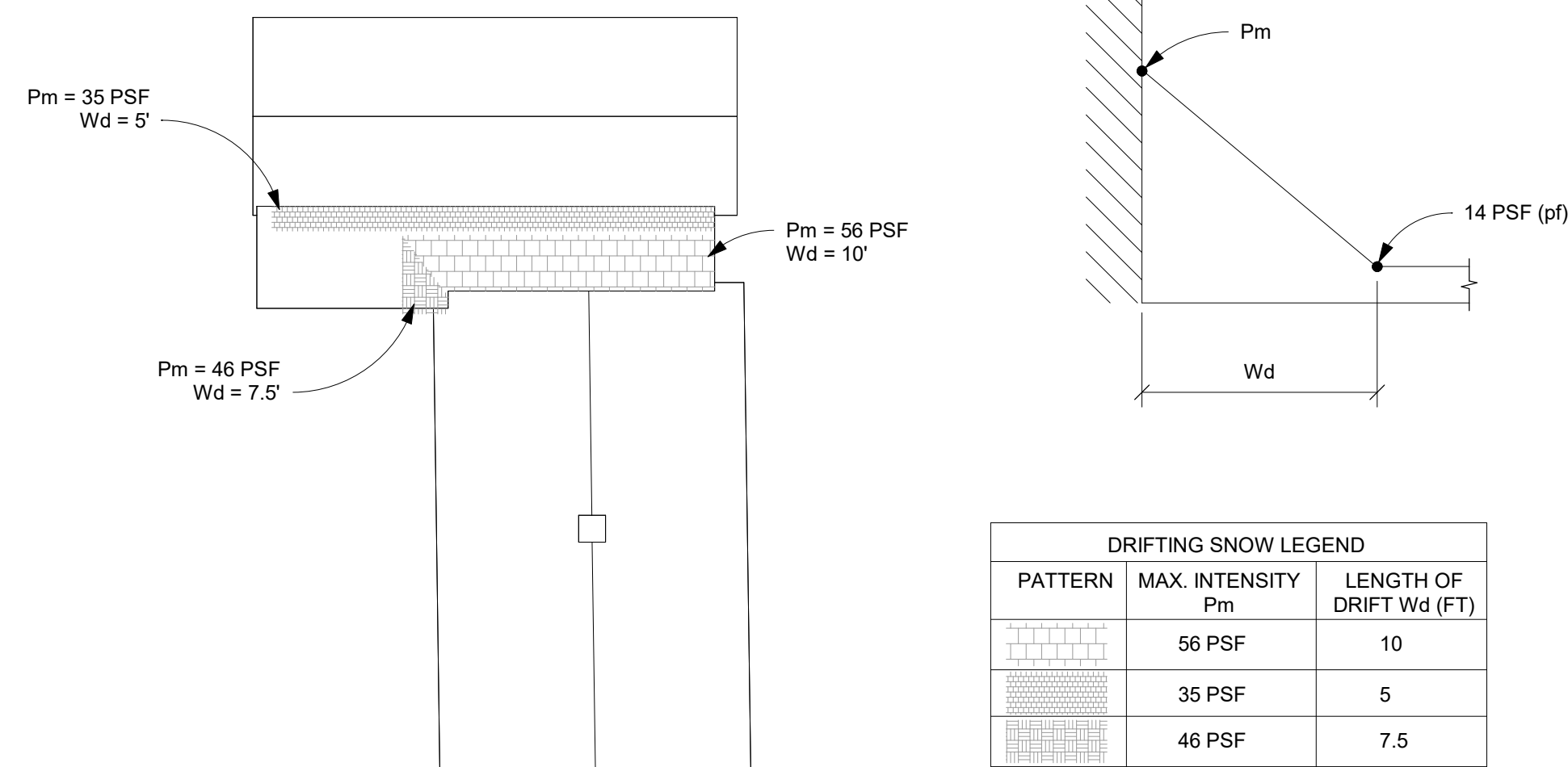
- 7. MISCELLANEOUS:
a. THE COLUMNS, ANCHOR RODS, BASE PLATES AND FOUNDATIONS ARE DESIGNED TO RESIST A GRAVITY LOAD MOMENT OF 675 FOOT-POUNDS DURING ERECTION, IF SHIM PACKS ARE PROVIDED AT THE EXTREME EDGES ALONG ALL FOUR SIDES OF THE BASE PLATE. FOR SAFETY CONSIDERATIONS DURING ERECTION, SEE STRUCTURAL NOTE A1.
b. PROVIDE HOLES FOR OTHERS. IF OPENING IS NOT SHOWN ON THE STRUCTURAL DRAWINGS, OBTAIN PRIOR APPROVAL.
c. STEEL SUPPORTING OR CONNECTING TO HVAC AND OTHER EQUIPMENT AND ROOF OPENINGS AS SHOWN ON DRAWINGS ARE SHOWN FOR BIDDING PURPOSES ONLY. CONTRACTOR SHALL COORDINATE EXACT SIZE AND LOCATION BEFORE PROCEEDING WITH HIS WORK.
d. THE USE OF LEVELING PLATES AT COLUMN BASES IS PROHIBITED. SEE THE REINFORCED CONCRETE NOTES ABOVE FOR GROUT AND GROUTING REQUIREMENTS.
e. STEEL BELOW GRADE IS TO BE PROTECTED BY A MINIMUM OF 3 INCHES OF CONCRETE.
f. PROVIDE 1/4 INCH THICK SETTING PLATES FOR ALL BEAMS BEARING ON MASONRY OR CONCRETE WHICH DO NOT REQUIRE A BEARING PLATE.
g. PROVIDE WASHER AND HEAVY NUT AT ALL ANCHOR RODS (BOTH ENDS).
h. FINISH ENDS OF ALL COLUMNS, STIFFENERS AND ALL OTHER MEMBERS IN DIRECT BEARING.

D. METAL DECK

- 1. MATERIALS:
a. COMPOSITE FLOOR DECK: 3" DEEP X 20 GA MIN, GALVANIZED (F_y = 50 ksi MIN)
2. SPECIFICATIONS:
a. WELDING PERSONNEL AND PROCEDURES ARE TO BE QUALIFIED PER AWS. DESIGN, FABRICATION AND ERECTION TO BE GOVERNED BY LATEST EDITION OF:
1. AISC: NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS.
2. STRUCTURAL WELDING CODE, AWS D1.3 OF THE AMERICAN WELDING SOCIETY.
3. SDI DESIGN MANUAL FOR FLOOR DECK AND ROOF DECKS.
b. FABRICATION AND ERECTION TO BE PER SDI REQUIREMENTS.
c. MANUFACTURER TO BE A MEMBER OF SDI.

Table with 7 columns: DECK TYPE, MAX SPACING, FRAME FASTENER, SIDE LAP, MIN. DIAPHRAGM, MIN. UPLIFT. Rows for COMP DECK and FINISH.

- 4. FINISH:
a. GALVANIZED: CONFORM TO ASTM A653, G60.
5. MISCELLANEOUS:
a. UNITS ARE TO BE CONTINUOUS OVER AT LEAST THREE SPANS WHERE POSSIBLE. WHERE UNITS ARE SINGLE OR DOUBLE SPAN, USE HEAVIER GAGE AS REQUIRED FOR STRESS OR DEFLECTION CONTROL.
b. FIELD CUTTING TO BE PERFORMED WITH A SAW.
c. METAL DECK SHOULD BE PROTECTED FROM CORROSION FROM PRESERVATIVE CHEMICALS IN PRESSURE-TREATED LUMBER WITH A MINIMUM 20 MIL VAPOR BARRIER. ALL FASTENERS AND CONNECTORS IN CONTACT WITH PRESSURE TREATED LUMBER ARE TO BE HOT DIPPED GALVANIZED PER ASTM A153 AND ASTM A123 WITH A MINIMUM G185 COATING.



3 SNOW DRIFT

N.T.S.



ARCHITECTURE. INSPIRED.

300 Marconi Boulevard Columbus OH 43215 614-628-0300 schooleycaldwell.com

Consultants: Civil, Structural & MEP Korda/Nemeth Engineering 1650 Watermark Drive, Columbus, OH 43215 614-487-1650

Barn Consultant Mt. Vernon Barn Co. 7076 Corrie Rd, Fredericktown, OH 43019 614-634-2949

Drawing Issue Dates

- Design Development Submittal 11/17/2023
50% Construction Documents 08/15/2024
90% Construction Documents 01/15/2025
Bid Set / Permit Set 02/14/2025

Revision Schedule

Table with 3 columns: #, Description, Date

Bicentennial Barn - McCammon Creek Park

6844 Bale Kenyon Rd Lewis Center, OH 43035



STRUCTURAL NOTES

Structural

S001

11/25/2024

23070

KORDA KORDA NEMETH ENGINEERING 1650 WATERMARK DRIVE SUITE 200 COLUMBUS, OHIO 43215. Includes fields for Drawn By, Designed By, Checked By, and Project Number (2023-0006).

I. POST-INSTALLED ANCHORS

1. GENERAL:
- WHERE GENERIC ANCHORAGE SYSTEM IS NOTED IN THE DOCUMENTS, CONTRACTOR CAN SELECT FROM APPROVED MANUFACTURERS LISTED BELOW.
 - WHERE A SPECIFIC ANCHORAGE SYSTEM IS NOTED IN THE DOCUMENTS, SUBSTITUTION OF ANCHORS FROM THOSE SPECIFIED IS ONLY ALLOWED AFTER ENGINEER REVIEW AND APPROVAL OR AMENDMENT FROM WRITTEN REQUEST BY THE CONTRACTOR.
 - ALL HOLES SHALL BE DRILLED PERPENDICULAR TO THE CONCRETE SURFACE. HAMMER DRILLING IS REQUIRED FOR ALL ANCHOR INSTALLATION WITH HOLE DIAMETER, DEPTH, AND CLEANING METHOD PER MANUFACTURER'S INSTRUCTIONS.
 - THE CONTRACTOR SHALL ARRANGE AN ANCHOR MANUFACTURER'S REPRESENTATIVE TO PROVIDE ONSITE INSTALLATION TRAINING FOR ALL ANCHOR PRODUCTS SPECIFIED. THE STRUCTURAL ENGINEER OF RECORD MUST RECEIVE DOCUMENTED CONFIRMATION THAT ALL PERSONNEL WHO INSTALL ANCHORS ARE TRAINED PRIOR TO THE COMMENCEMENT OF ANCHOR INSTALLATION.
 - INSTALLATION OF ADHESIVE ANCHORS IN THE HORIZONTAL OR UPWARDLY INCLINED DIRECTION AND SUPPORTING SUSTAINED TENSION LOADS SHALL BE INSTALLED BY CERTIFIED PERSONNEL BY ACI/CRSI INSTALLATION PROGRAMS. FOR ALL ADHESIVE ANCHORS SUBJECTED TO TENSION LOADING, AN UNCONFINED PROOF LOAD TEST EQUAL TO THE MINIMUM OF 67% OF THE BOND STRENGTH (Nbs) OR 80% OF THE ANCHOR YIELD STRENGTH SHALL BE APPLIED FOR 10 SECONDS. (CONSIDERING $\phi=0.7$, THE BOND STRENGTH TEST LOAD IS APPROXIMATELY EQUAL TO THE MANUFACTURER'S LISTED ULTIMATE CAPACITY.)
 - ALL ANCHORS IN CONTACT WITH PRESSURE TREATED LUMBER ARE TO BE HOT DIPPED GALVANIZED PER ASTM A153 WITH A MINIMUM G185 COATING OR STAINLESS STEEL WITH CHEMICAL COMPOSITION CONFORMING TO AISI 303/304 OR AISI 316. FASTENERS AND CONNECTORS ARE TO BE OF THE SAME MATERIAL, STAINLESS STEEL OR HOT DIPPED GALVANIZED, DO NOT MIX MATERIALS.
2. ANCHORAGE SYSTEMS:
- EXPANSION ANCHORS IN CONCRETE:
 - DEWALT: POWER STUD +SDI
 - HILTI: KWIK-BOLT TZZ
 - SIMPSON: STRONG-BOLT 2
 - EXPANSION ANCHORS IN GROUT FILLED MASONRY:
 - DEWALT: POWER STUD +SDI
 - HILTI: KWIK BOLT 1
 - SIMPSON: WEDGE-ALL
 - SCREW ANCHORS IN CONCRETE OR GROUT FILLED MASONRY (1/8" OVERSIZED HOLE IN STEEL ELEMENT):
 - DEWALT: SCREW-BOLT+
 - HILTI: KWIK HUS-EZ
 - SIMPSON: TITEN HD
 - ADHESIVE ANCHORS IN CONCRETE:
 - DEWALT: AC208+ PURE 50+, PURE 110+
 - HILTI: HIT-HY 200 V3, HIT-RE 500 V3, HIT-RE 100
 - SIMPSON: AT-XP
 - ADHESIVE ANCHORS IN MASONRY (SCREEN TUBES REQUIRED IN HOLLOW MASONRY):
 - DEWALT: AC108+ GOLD
 - HILTI: HIT-HY 270 (USE SCREEN TUBES IN MULTI-WYTHE MASONRY OR BRICK WITH HOLES)
 - SIMPSON: SET-XP
3. MINIMUM EMBEDMENT LENGTH OF ANCHORS INTO CONCRETE OR MASONRY SHALL BE AS FOLLOWS U.N.O.:
- 1/2" Ø ANCHOR: 3-1/2" EMBEDMENT
 - 5/8" Ø ANCHOR: 4-1/4" EMBEDMENT
 - 3/4" Ø ANCHOR: 5" EMBEDMENT

J. STRUCTURAL LUMBER

1. MATERIALS:
- STRUCTURAL LUMBER INCLUDING BEARING AND EXTERIOR WALL STUDS: SPRUCE-PINE-FIR NO. 1/NO. 2 OR BETTER. LUMBER FOR NON-LOAD BEARING STUD WALLS: SPRUCE-PINE-FIR STUD GRADE OR BETTER. ALLOWABLE STRESSES PER THE NATIONAL DESIGN SPECIFICATION SUPPLEMENT 2005 EDITION. 15%(19%) MAX. MOISTURE CONTENT.
 - PLYWOOD:
 - FLOORS: 3/4 INCH THICK, TONGUE AND GROOVE, C-D PLUGGED, STURD-I-FLOOR, EXPOSURE 1, 5 PLY, WITH PANEL INDEX OF 24/0.
 - ROOFS: 5/8 INCH THICK, WITH PLYWOOD CLIPS, C-D PLUGGED, STRUCTURAL I, EXPOSURE 1, 5 PLY, WITH PANEL INDEX OF 24/0.
 - WALLS: 1/2 INCH THICK, C-D PLUGGED, STRUCTURAL I, EXPOSURE 1, 5 PLY, WITH PANEL INDEX OF 24/0.
 - OSB:
 - FLOORS: 3/4 INCH THICK, TONGUE AND GROOVE, STURD-I-FLOOR WITH PANEL INDEX OF 24"Ø C., EXPOSURE 1.
 - ROOFS: 5/8 INCH THICK, WITH PLYWOOD CLIPS, WITH PANEL INDEX 24/0, EXPOSURE 1.
 - WALLS: 1/2 INCH THICK, WITH PANEL INDEX 24/0 EXPOSURE 1.
 - LVL (LAMINATED VENEER LUMBER) BEAMS: DISTRIBUTED AS MICRO-LAM LVL. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. LVL BEAMS SHALL HAVE DESIGN STRESS VALUES AS FOLLOWS:
 $F_b = 2600$ PSI BENDING
 $F_v = 285$ PSI HORIZONTAL SHEAR
 $F_c = 2510$ PSI COMPRESSION PARALLEL TO GRAIN
 $F_c = 750$ PSI COMPRESSION PERPENDICULAR TO GRAIN
 $E = 1,900,000$ PSI MODULUS OF ELASTICITY
 - SLIDE CLIPS
 - VERTICAL BYPASS SLIDE CLIPS FOR NON-LOAD BEARING WALLS: "VERTICLIP SLB" 68 MILS (14 GAGE) MIN., 50 KSI, MANUFACTURED BY THE STEEL NETWORK, INC. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. SUBSTITUTES MAY BE CONSIDERED. SUBMIT MANUFACTURER'S DATA PRIOR TO INSTALLATION.
 - VERTICAL NON-BYPASS SLIDE CLIPS FOR NON-LOAD BEARING WALLS: "VERTICLIP SLS" 68 MILS (14 GAGE) MIN., 50 KSI, MANUFACTURED BY THE STEEL NETWORK, INC. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. SUBSTITUTES MAY BE CONSIDERED. SUBMIT MANUFACTURER'S DATA PRIOR TO INSTALLATION.
2. SPECIFICATIONS: UNLESS SPECIFICALLY SHOWN OTHERWISE, DESIGN, FABRICATION AND ERECTION SHALL BE GOVERNED BY THE LATEST EDITION OF:
- NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION.
 - U.S. PRODUCT STANDARD PS1
3. CONNECTIONS:
- JOISTS TO SIDES OF BEAMS: 16 GA. GALVANIZED STD. JOIST HANGERS, UNLESS SHOWN OTHERWISE.
 - JOISTS AND TRUSSES TO TOPS OF WALLS AND BEAMS: 18 GA. GALVANIZED HURRICANE ANCHORS.
 - PLYWOOD OR OSB TO FLOOR JOISTS: GLUED AND NAILED - USE 8d RING SHANK NAILS AT 6 INCHES O/C AT PANEL EDGES AND 12 INCHES O/C AT INTERMEDIATE SUPPORTS. USE ADHESIVES MEETING ASTM D3498 AND APPLIED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
 - PLYWOOD OR OSB TO ROOF TRUSSES OR RAFTERS: NAILED - USE 6d RING SHANK NAILS AT 6 INCHES O/C AT PANEL EDGES AND 12 INCHES O/C AT INTERMEDIATE SUPPORTS. PROVIDE PLYWOOD CLIPS AT MID-SPAN OF PLYWOOD BETWEEN SUPPORTS.
 - PLYWOOD OR OSB TO WALL STUDS: NAILED - USE 8d COMMON NAILS AT 6" O.C. AT PANEL EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS, U.N.O. AT SHEAR WALLS.
 - UNLESS NOTED OTHERWISE, CONNECTIONS SHALL BE MADE PER TABLE 2304.9.1 "FASTENING SCHEDULE". IN REFERENCED BUILDING CODE. STAPLES NOT PERMITTED FOR FASTENING APA RATED SHEATHING AND SUB-FLOORING.
 - CONNECTION OF SLIDE CLIPS TO WOOD FRAME MEMBERS PER MANUFACTURER'S RECOMMENDATIONS.
 - ALL CONNECTION HARDWARE SPECIFIED ON THE STRUCTURAL DRAWINGS SHALL BE MANUFACTURED BY THE SIMPSON STRONG-TIE COMPANY AND SHALL BE FASTENED AS SPECIFIED IN THE SIMPSON PRODUCT AND INSTRUCTION MANUAL.
 - ALL NAILS AND FASTENERS WITH EXTERIOR EXPOSURE OR FOR USE IN PRESSURE TREATED LUMBER SHALL BE HOT DIP GALVANIZED OR STAINLESS STEEL.
 - ALL MULTIPLE HEADERS AND BEAM WITH DEPTH LESS THAN 14 INCHES SHALL BE FASTENED TOGETHER WITH MINIMUM 3 ROWS OF 10d COMMON NAILS AT 12" O.C. STAGGERED ON OPPOSITE SIDES. FOR DEPTHS EQUAL TO OR GREATER THAN 14 INCHES, FASTEN TOGETHER WITH 4 ROWS OF 10d NAILS AT 12" O.C. FOR FOUR OR MORE PLY BEAMS, THRU-BOLT WITH 1/2" DIAMETER BOLTS AT 12" O.C. STAGGERED TOP AND BOTTOM. ALL SIDE LOADED BEAMS SHALL BE THRU-BOLTED.
4. MISCELLANEOUS:
- USE ONE LINE OF SOLID BLOCKING OR CROSS BRIDGING AT 8'-0" O/C MAX. FOR ALL JOISTS AND RAFTERS. USE SOLID BLOCKING AT JOIST AND RAFTER BEARING.
 - USE SOLID BLOCKING AT MID-HEIGHT FOR ALL EXTERIOR STUD WALLS AND INTERIOR NON-DEMISING BEARING PARTITIONS, U.N.O.
 - USE DOUBLE STUDS UNDER BEAM AND LINTEL BEARING, UNLESS SHOWN OTHERWISE.
 - APPLY CONTINUOUS BEAD OF ADHESIVE ON JOISTS AND GROOVE OF TONGUE-AND-GROOVE PANELS.
 - BEFORE APPLYING FINISH FLOORING, SET NAILS 1/8 INCH BUT DO NOT FILL, AND LIGHTLY SAND ANY SURFACE ROUGHNESS, PARTICULARLY AT JOINTS AND AROUND NAILS.
 - PROVIDE AND INSTALL BRIDGING FOR PREFABRICATED WOOD TRUSSES AS INDICATED ON THE TRUSS MANUFACTURER'S APPROVED SHOP DRAWINGS.
 - PROTECT ALL LUMBER FROM WEATHER PRIOR TO INSTALLATION.
 - PROVIDE SIMPSON RPS18 REPAIR STRAPS AT ALL LOCATIONS WHERE TOP & BOTTOM PLATES HAVE BEEN CUT FOR EQUIPMENT INSTALLATION (PLUMPING, MECH, ELEC, ...etc)

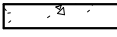
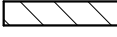
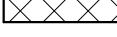
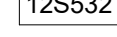
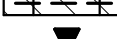
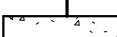
J. PREFABRICATED WOOD TRUSSES

1. MATERIALS:
- LUMBER: SOUTHERN PINE #2, ALLOWABLE STRESSES PER THE NATIONAL DESIGN SPECIFICATION SUPPLEMENT, 2005 EDITION; 19% MAX. M.C.
 - METAL CONNECTOR PLATES: GALVANIZED SHEET STEEL, ASTM A663, GRADE A, COATING CLASS G60 PER ASTM A663 TYPICALLY. USE COATINGS CLASS G165 WHEN FRT IS USED. MANUFACTURE WITH HOLES, PLUGS, TEETH OR PRONGS UNIFORMLY SPACED AND FORMED.
2. DESIGN:
- TOP CHORD LIVE LOAD: 25 PSF
TOP CHORD DEAD LOAD: 10 PSF
BOTTOM CHORD DEAD LOAD: 5 PSF
NET WIND UPLIFT: 8 PSF
 - FINAL DESIGN OF MEMBERS AND CONNECTIONS IS TO BE BY A PROFESSIONAL ENGINEER, REGISTERED IN OHIO, EXPERIENCED IN SIMILAR DESIGN, RETAINED BY THE MANUFACTURER.
 - SHOP DRAWINGS SHALL EXHIBIT THE SEAL OF THE ENGINEER RESPONSIBLE FOR THE TRUSS DESIGN.
 - MAXIMUM LIVE LOAD DEFLECTION IS TO BE L/360.
 - MAXIMUM TOTAL LOAD DEFLECTION IS TO BE L/240.
3. MISCELLANEOUS:
- BOLT TOP CHORDS OF ALL MULTIPLE TRUSSES TOGETHER WITH 1/2" DIAMETER BOLTS AT 4'-0" O.C. BOLT WEB MEMBERS TOGETHER WITH 1/2" DIAMETER BOLTS AT 2'-0" O.C. AT CONCENTRATED LOADS.
 - IN AREAS WHERE TOP CHORDS OF TRUSSES DO NOT RECEIVE PLYWOOD SHEATHING, PROVIDE 1 X 4 CONTINUOUS BRIDGING PERPENDICULAR TO TOP CHORDS AND SPACED AT 3'-0" O.C.
 - TRUSS FABRICATOR SHALL SUBMIT COPIES OF THE FINAL, APPROVED FABRICATION DRAWINGS TO THE DEPARTMENT OF COMMERCE, OFFICE OF CONSTRUCTION COMPLIANCE, PRIOR TO FABRICATION AND ERECTION.

L. ABBREVIATIONS:

- B. = BOTTOM
 C.I.P. = CAST IN PLACE
 CMU = CONCRETE MASONRY UNIT
 (E) = EXISTING
 E.E. = EACH END
 E.F. = EACH FACE
 E.W. = EACH WAY
 LLH = LONG LEG HORIZONTAL
 LLV = LONG LEG VERTICAL
 N.T.S. = NOT TO SCALE
 O.C. = ON CENTER
 P.A.F. = POWER ACTUATED FASTENERS
 P.T. = PRESSURE TREATED
 S.O.G. = SLAB ON GRADE
 T.O.F. = TOP OF FOOTING ELEVATION
 T.O.P. = TOP OF PIER ELEVATION
 T.O.S. = TOP OF SLAB ELEVATION
 T.O.STL. = TOP OF STEEL ELEVATION
 T.O.W. = TOP OF WALL ELEVATION
 TYP. = TYPICAL
 U.N.O. = UNLESS NOTED OTHERWISE
 V.I.F. = VERIFY IN FIELD
 W.W.F. = WELDED WIRE FABRIC.

M. LEGEND:

-  CAST-IN-PLACE CONCRETE
-  HOLLOW CMU
-  100% SOLID OR GROUT FILLED CMU
-  REINFORCED CMU
-  LINTEL, SEE SHEET S001 FOR NOTES AND SCHEDULE
-  FOOTING STEP

KORDA
 KORDA NEMETH ENGINEERING
 1650 WATERMARK DRIVE
 SUITE 200
 COLUMBUS, OHIO 43215
 DRAWN BY: WRH
 DESIGNED BY: CKP
 CHECKED BY: UJP
 PROJECT NUMBER: 2023-0006



ARCHITECTURE. INSPIRED.
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 Columbus OH 43215 | 614-628-0311
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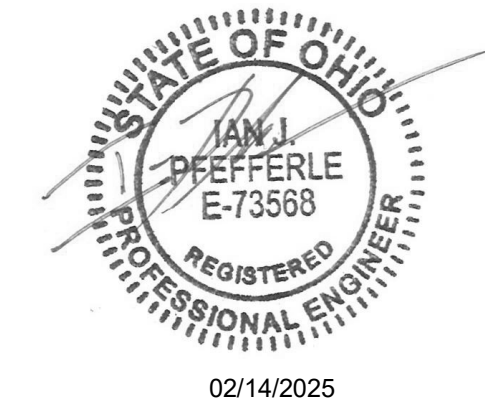
Drawing Issue Dates

Design Development Submittal	11/17/2023
50% Construction Documents	08/15/2024
90% Construction Documents	01/15/2025
Bid Set / Permit Set	02/14/2025

Revision Schedule		
#	Description	Date

**Bicentennial Barn -
 McCammon Creek
 Park**

6844 Bale Kenyon Rd
 Lewis Center, OH 43035

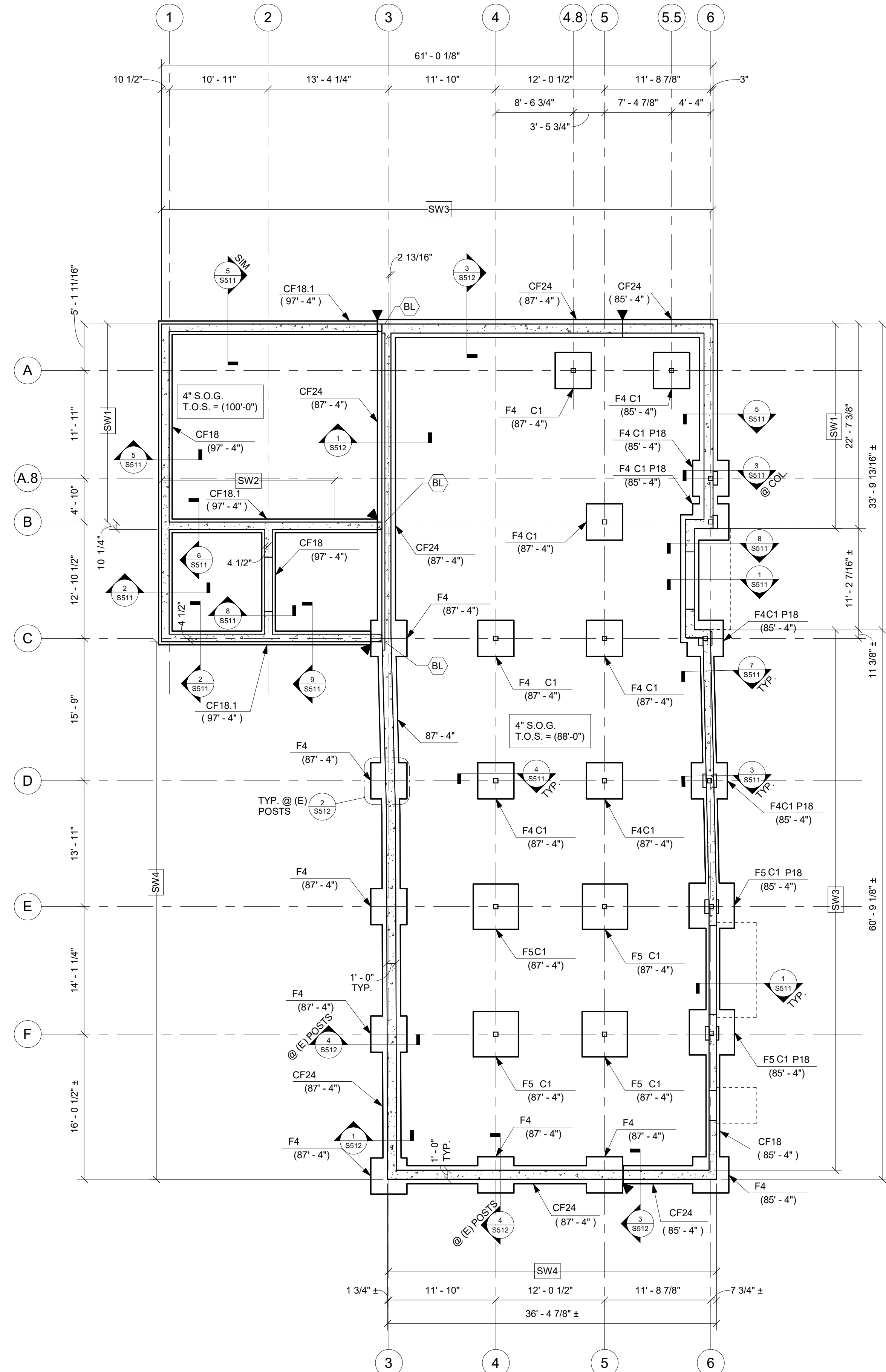


02/14/2025

**STRUCTURAL
 NOTES**

Structural
S002
 11/25/2024
 23070

SHEAR WALL SCHEDULE		NAIL SPACING:		HOLD DOWN:			BASE CONNECTION:				
WALL TYPE:	WALL MEMBERS:	SHEATHING TYPE & THICKNESS:	NAIL SIZE:	EDGE:	FIELD:	TYPE:	ANCHOR:	EMBED:	BOUNDARY CHORD:	FASTENER:	SPACING:
SW1	2X6 @ 16" O.C.	EXTERIOR: 7/16" SHEATHING PANEL INTERIOR: 5/8" GYPSUM SHEATHING PER ARCH	10d 6d	2" O.C. 4" O.C.	12" O.C. 12" O.C.	HDU14-SDS2.5	1" DIAM. ANCHOR ROD - ATTACH TO STEEL END W/ SIMPSON ATS-SBC	14" MIN.	(3) 2X6 STUDS	1/2" DIAM. SCREW ANCHOR EMBED 5" MIN. INTO FOUNDATION OR 0.15" SHANK PAF EMBED INTO STEEL	4'-0" O.C. 12" O.C.
SW2	2X6 @ 16" O.C.	EXTERIOR: 7/16" SHEATHING PANEL INTERIOR: 5/8" GYPSUM SHEATHING PER ARCH	10d 6d	2" O.C. 4" O.C.	12" O.C. 12" O.C.	HDU14-SDS2.5	1" DIAM. ANCHOR ROD	14" MIN.	(3) 2X6 STUDS	1/2" DIAM. SCREW ANCHOR EMBED 5" MIN.	4'-0" O.C.
SW3	2X6 @ 16" O.C.	EXTERIOR: 7/16" SHEATHING PANEL @ ADDITION, R-12 ZIP PANEL W/ 7/16" SHEATHING PANEL AT (E) BARN INTERIOR: 5/8" GYPSUM SHEATHING PER ARCH	10d 6d	2" O.C. 4" O.C.	12" O.C. 12" O.C.	HDU2-SDS2.5	5/8" DIAM. ANCHOR ROD	10" MIN.	(3) 2X6 STUDS	1/2" DIAM. SCREW ANCHOR EMBED 5" MIN.	4'-0" O.C.
SW4	2X4 FLAT @ 24" O.C.	R-12 ZIP PANEL, W/ 7/16" SHEATHING PANEL	12d	2" O.C.	12" O.C.	CUSTOM BASE PLATE	SEE DETAIL 3/S522	12" MIN.	(E) 8X8 WOOD POST	0.15" SHANK PAF EMBED 1 1/2" MIN. EMBED	2'-0" O.C.
SW5	2X4 FLAT @ 24" O.C.	R-12 ZIP PANEL, W/ 7/16" SHEATHING PANEL SEE DETAIL 4/S521	12d	2" O.C.	12" O.C.	CUSTOM BASE PLATE	SEE DETAIL 4/S521	N/A	(E) 8X8 WOOD POST	0.15" SHANK PAF EMBED 1 1/2" MIN. INTO SOD	2'-0" O.C.
SW6	2X4 FLAT @ 24" O.C. & 2X4 @ 16" O.C.	R-12 ZIP PANEL, W/ 7/16" SHEATHING PANEL & 1/2" SHEATHING. SEE DETAILS 7/S530	12d	2" O.C.	12" O.C.	CUSTOM BASE PLATE	SEE DETAIL 7/S522 & 3/S522	N/A	(2) 8X8 WOOD POST	0.15" SHANK PAF EMBED 1 1/2" MIN. INTO SOD	2'-0" O.C.



CONTRACTOR TO VERIFY EXACT DIMENSIONS OF EXISTING BARN BEFORE POURING NEW BASEMENT WALLS & FOUNDATIONS FOR EXISTING BARN.

COLUMN LINES SHOWN ON PLAN LOCATE NEW COLUMNS ONLY. CONTRACTOR TO VERIFY LOCATIONS OF (E) COLUMNS IN FIELD.

EXACT LOCATION OF NEW STEEL COLUMNS ALONG COLUMN LINE 3 & COLUMN LINE 6 BENEATH (E) BARN SHALL BE VERIFIED WITH (E) BARN DIMENSIONS.



- FOUNDATION NOTES**
- REFERENCE ELEVATION 100'-0" = U.S.G.S. EL. 861.5' (NAVD 1988).
 - FOUNDATIONS SHALL BE FOUNDED ON VIRGIN SOIL OR ON ENGINEERED FILL AT THE ELEVATIONS SHOWN WITH A DESIGN BEARING CAPACITY OF 10 KSF BELOW 88'-0" AND 3.5 KSF ABOVE 88'-0". ALL FOOTING EXCAVATIONS SHALL BE INSPECTED AND APPROVED BY THE SOILS ENGINEER FOR THE BEARING CAPACITY INDICATED ABOVE PRIOR TO PLACING CONCRETE.
 - EXPANSIVE SHALE WILL BE ENCOUNTERED ON SITE. REFER TO SUBSURFACE EXPLORATION AND GEOTECHNICAL ENGINEERING REPORT FOR RECOMMENDATIONS REGARDING UNDERCUTTING UNDER FOUNDATIONS AND TREATMENT OF SHALE.
 - KEEP FOUNDATION EXCAVATIONS FREE OF WATER AT ALL TIMES. REPLACE SOFT OR WEAKENED SOIL WITH CLASS IV CONCRETE.
 - BASEMENT WALLS HAVE BEEN DESIGNED FOR AN EQUIVALENT LATERAL FLUID PRESSURE OF 55 PCF.
 - BACKFILL AGAINST ALL BASEMENT WALLS SHALL CONSIST OF FREE DRAINING GRANULAR MATERIAL FOR FULL HEIGHT OF THE WALL EXTENDING UPWARD FROM THE BASE AT A 35 DEGREE ANGLE FROM THE VERTICAL. MINIMUM THICKNESS OF GRANULAR BACKFILL MATERIAL SHALL BE 2'-0".
 - ELEVATIONS SHOWN AT FOOTINGS ARE TOP OF FOOTING ELEVATION (T.O.F.).
 - ALL EXTERIOR FOOTINGS TO BEAR MIN. 3'-0" BELOW ADJACENT GRADE. ADJUST BOTTOM OF FOOTING AS REQUIRED.
 - ▼ INDICATES FOOTING STEP. SEE 1.3/S510.
 - TOP OF PIER ELEVATION (T.O.P.) = 87'-4", U.N.O.
 - FLOOR CONSTRUCTION = 4" THICK CONCRETE SLAB ON GRADE REINFORCED WITH SYNTHETIC FIBER REINFORCING ON 4" OF AGGREGATE BASE. SEE DETAIL 1.1 & 1.2/S510 FOR TYPICAL CONCRETE SLAB-ON-GRADE CONSTRUCTION. S.O.G. AT 100'-0" ELEVATION IS TO BE EXPOSED SEALED CONCRETE REINFORCED W/ #3 @ 12" O.C. E.W. AT MID DEPTH OF SLAB FOR CRACKING CONTROL.
 - TOP OF SLAB EL. (T.O.S.) = 88'-0" AT BASEMENT AND 100'-0" AT FIRST FLOOR, U.N.O. SEE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR MINOR DEPRESSIONS AND SLOPES TO DRAINS.
 - SEE SHEET S001 FOR STRUCTURAL NOTES & LEGEND.
 - SEE 1.4/S510 FOR THICKENED SLAB UNDER STAIR STRINGERS & STAIR POSTS. SEE ARCHITECTURAL PLANS FOR LOCATIONS.
 - DO NOT BACKFILL AGAINST BASEMENT WALLS UNTIL BOTH THE SLAB-ON-GRADE AND THE SUPPORTED SLAB ABOVE ARE IN PLACE AND CURED. BACKFILL AGAINST BOTH SIDES OF WALLS EQUALLY UNTIL THE LOWER ELEVATION IS ATTAINED.

Mark	Size			Bottom Reinforcement
	Length	Width	Thickness	
F4	4'-0"	4'-0"	1'-0"	5#5 E.W.
F5	5'-0"	5'-0"	1'-0"	5#5 E.W.

Mark	Width	Thickness	Reinforcement
CF18	1'-6"	1'-0"	2#5 CONT. BOT.
CF18.1	1'-6"	1'-0"	2#7 CONT. BOT.
CF24	2'-0"	1'-0"	2#5 CONT. BOT.

Mark	Column	BASE CONNECTION	Anchor Rods	Embedment
C1	HSS6X6X3/8	3/4X12X12 BASE PLATE. SEE 7/S512	(4) 3/4" Ø	8"
C2	8X8 PT POST	SIMPSON CPTZ POST BASE	(2) 1/2" Ø	8"
C3	(E) ROUGH 8X8 POST	BASE PL & KNIFE PL PER 7/S522 & 13/S522	(2) 5/8" Ø	8"
C4	(2) 2X6 FOR ADULT CHANGING TABLE	ATTACH TO BOT. PLATE W/ SIMPSON A44 EA. SIDE.	(2) 1/4" Ø	1 1/2"

CODED NOTES

BL PROVIDE 4" BEARING LEDGE FOR STRIP FOOTING TO BEAR ON POURED WALL. PROVIDE HOOKED DOWELS IN WALL TO LAP CONT. BARS IN CONTINUOUS FOOTING.

SCHOOLEY CALDWELL
ARCHITECTURE. INSPIRED.

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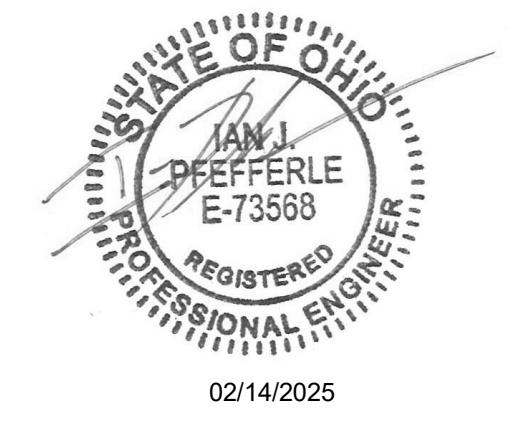
90% Construction Documents
01/15/2025

Bid Set / Permit Set
02/14/2025

#	Description	Date

**Bicentennial Barn -
McCammon Creek
Park**

6844 Bale Kenyon Rd
Lewis Center, OH 43035



FOUNDATION PLAN

Structural
S101
11/25/2024
23070

KORDA
KORDA NEMETH ENGINEERING
1650 WATERMARK DRIVE
SUITE 200
COLUMBUS, OHIO 43215

DRAWN BY: WRH
DESIGNED BY: CKP
CHECKED BY: IJP
PROJECT NUMBER: 2023-0006

SHEAR WALL SCHEDULE		NAIL SPACING:		HOLD DOWN:		BASE CONNECTION:					
WALL TYPE:	WALL MEMBERS:	SHEATHING TYPE & THICKNESS:	NAIL SIZE:	EDGE:	FIELD:	TYPE:	ANCHOR:	EMBED:	BOUNDARY CHORD:	FASTENER:	SPACING:
SW1	2X6 @ 16" O.C.	EXTERIOR: 7/16" SHEATHING PANEL INTERIOR: 5/8" GYPSUM SHEATHING PER ARCH	10d 6d	2" O.C. 4" O.C.	12" O.C. 12" O.C.	HDU14-SDS2.5	1" DIAM. ANCHOR ROD - ATTACH TO STEEL END W/ SIMPSON ATS-SBC	14" MIN.	(3) 2X6 STUDS	1/2" DIAM. SCREW ANCHOR EMBED 5" MIN. INTO FOUNDATION OR 0.15" SHANK PAF EMBED INTO STEEL	4'-0" O.C. 12" O.C.
SW2	2X6 @ 16" O.C.	EXTERIOR: 7/16" SHEATHING PANEL INTERIOR: 5/8" GYPSUM SHEATHING PER ARCH	10d 6d	2" O.C. 4" O.C.	12" O.C. 12" O.C.	HDU11-SDS2.5	1" DIAM. ANCHOR ROD	14" MIN.	(3) 2X6 STUDS	1/2" DIAM. SCREW ANCHOR EMBED 5" MIN.	4'-0" O.C.
SW3	2X6 @ 16" O.C.	EXTERIOR: 7/16" SHEATHING PANEL @ ADDITION, R-12 ZIP PANEL W/ 7/16" SHEATHING PANEL AT (E) BARN INTERIOR: 5/8" GYPSUM SHEATHING PER ARCH	10d 6d	2" O.C. 4" O.C.	12" O.C. 12" O.C.	HDU2-SDS2.5	5/8" DIAM. ANCHOR ROD	10" MIN.	(3) 2X6 STUDS	1/2" DIAM. SCREW ANCHOR EMBED 5" MIN.	4'-0" O.C.
SW4	2X4 FLAT @ 24" O.C.	R-12 ZIP PANEL, W/ 7/16" SHEATHING PANEL	12d	2" O.C.	12" O.C.	CUSTOM BASE PLATE	SEE DETAIL 3/S522	12" MIN.	(E) 8X8 WOOD POST	0.15" SHANK PAF EMBED 1 1/2" MIN. EMBED	2'-0" O.C.
SW5	2X4 FLAT @ 24" O.C.	R-12 ZIP PANEL, W/ 7/16" SHEATHING PANEL SEE DETAIL 4/S521	12d	2" O.C.	12" O.C.	CUSTOM BASE PLATE	SEE DETAIL 4/S521	N/A	(E) 8X8 WOOD POST	0.15" SHANK PAF EMBED 1 1/2" MIN. INTO SOD	2'-0" O.C.
SW6	2X4 FLAT @ 24" O.C. & 2X4 @ 16" O.C.	R-12 ZIP PANEL, W/ 7/16" SHEATHING PANEL & 1/2" SHEATHING. SEE DETAILS 7/S530	12d	2" O.C.	12" O.C.	CUSTOM BASE PLATE	SEE DETAIL 7/S522 & 3/S522	N/A	(2) 8X8 WOOD POST	0.15" SHANK PAF EMBED 1 1/2" MIN. INTO SOD	2'-0" O.C.

1 MAIN FLOOR FRAMING PLAN

SCALE: 1/8" = 1'-0"
 0' 1' 2' 4' 8'

SEE SHEET S101 FOR FOUNDATION NOTES

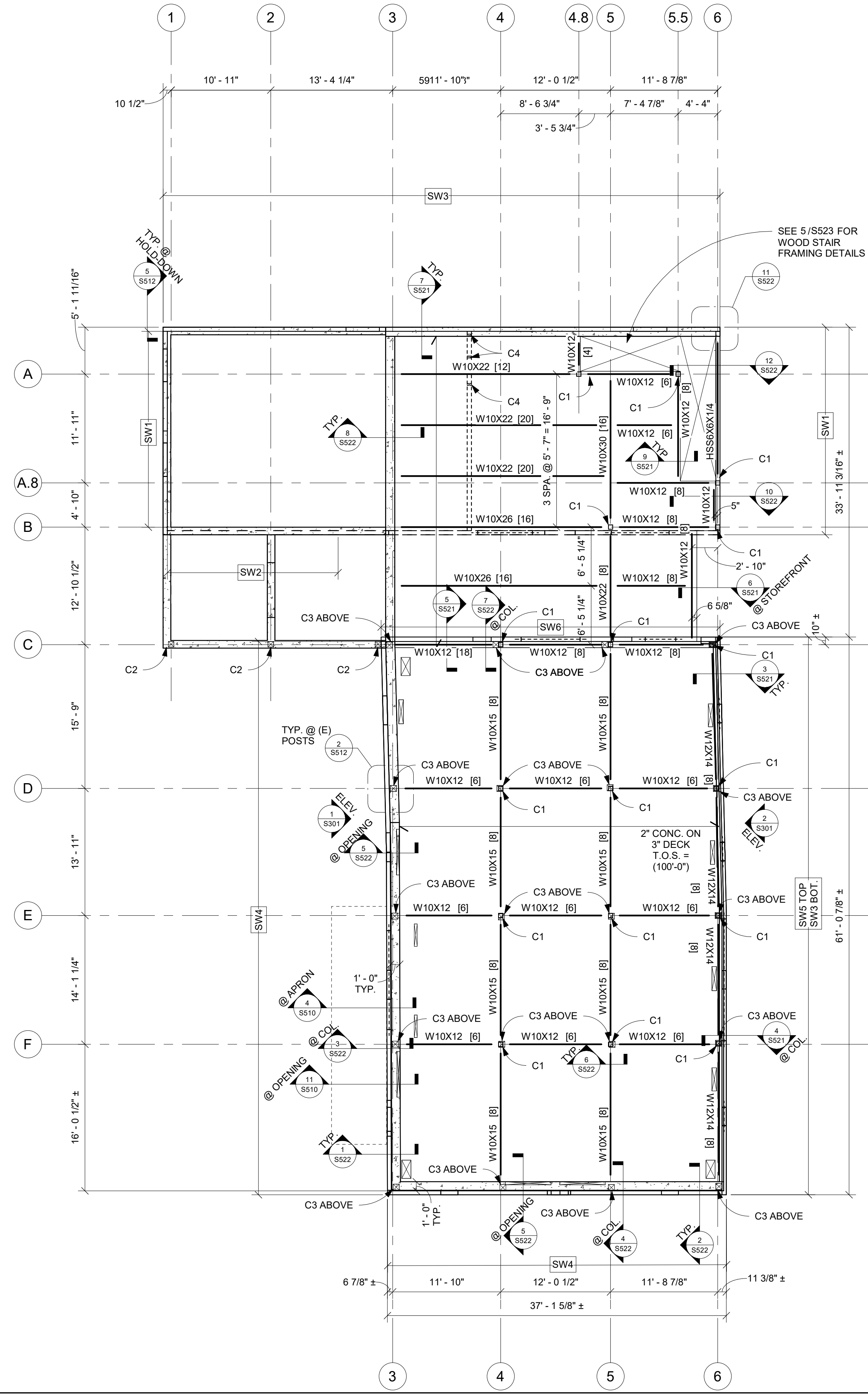
FLOOR FRAMING NOTES

- DESIGN FLOOR LIVE LOADS
 CORRIDORS, STAIRS: 100 PSF
 EVENT HALL: 100 PSF
 MECHANICAL ROOM, STORAGE: 150 PSF
 OFFICES: 50 PSF + 15 PSF PARTITION ALLOWANCE
 A. NOTE: LIVE LOAD REDUCIBLE PER OBC.
- SUPPORTED FLOOR CONSTRUCTION: 2 INCHES OF NORMAL WEIGHT CONCRETE FILL WITH #3@12" O.C. EACH WAY AT MID DEPTH OF SLAB FOR CRACKING CONTROL ON 3-INCH DEEP GALVANIZED COMPOSITE METAL FLOOR DECK. OVERALL THICKNESS = 5 INCHES U.N.O.
- TOP OF SLAB ELEVATION (T.O.S.) = 100'-0", U.N.O. SEE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR MINOR SLOPES, C.I.P. CONCRETE CURBS, DRAINS, OPENINGS FOR PIPES AND DUCTS, ETC. PROVIDE POUR STOP PER 10/S521 AT OPENINGS IN COMPOSITE DECK. PROVIDE FRAMING PER 9/S521 AT OPENINGS IN COMPOSITE DECK U.N.O.
- TOP OF STEEL ELEVATION (T.O.STL) = 99'-7, UNLESS NOTED OTHERWISE.
- ELEVATIONS SHOWN INDICATE THE FOLLOWING:
 AT BEAMS: TOP OF BEAM EL. (U.N.O.)
 AT ANGLES: TOP OF ANGLE EL. (U.N.O.)
- [X] INDICATES NUMBER OF 3/4 INCH DIAMETER HEADED SHEAR STUDS REQUIRED ON TOP FLANGE OF BEAM. SEE SECTION 1/S521.
- SEE DETAIL 2/S521 FOR DECK/BREAM DEFLECTION DUE TO WEIGHT OF WET CONCRETE.
- SEE SHEET S001 FOR STRUCTURAL NOTES, AND LEGEND.
- ALL 2X4 STUDS INSTALLED FLAT AT (E) BARN TO BE CONNECTED @ EACH (E) GIRT W/ (8) 10d NAILS
- NO NAIL PENETRATIONS ARE TO BE VISIBLE THROUGH (E) WOOD SIDING
- [SW1] INDICATES SHEAR WALL PER TAG. SEE SHEAR WALL SCHEDULE FOR DETAILS. SEE 8/S521 FOR TYPICAL SHEAR WALL CONSTRUCTION.
- DO NOT BACKFILL AGAINST BASEMENT WALLS UNTIL BOTH THE SLAB-ON-GRADE AND THE SUPPORTED SLAB ABOVE ARE IN PLACE AND CURED. BACKFILL AGAINST BOTH SIDES OF WALLS EQUALLY UNTIL THE LOWER ELEVATION IS ATTAINED.
- INDICATES COMPOSITE DECK SPAN DIRECTION.
- INDICATES FLOOR OPENING. PROVIDE FRAMING PER 9/S521. LOCATION PER MECH.

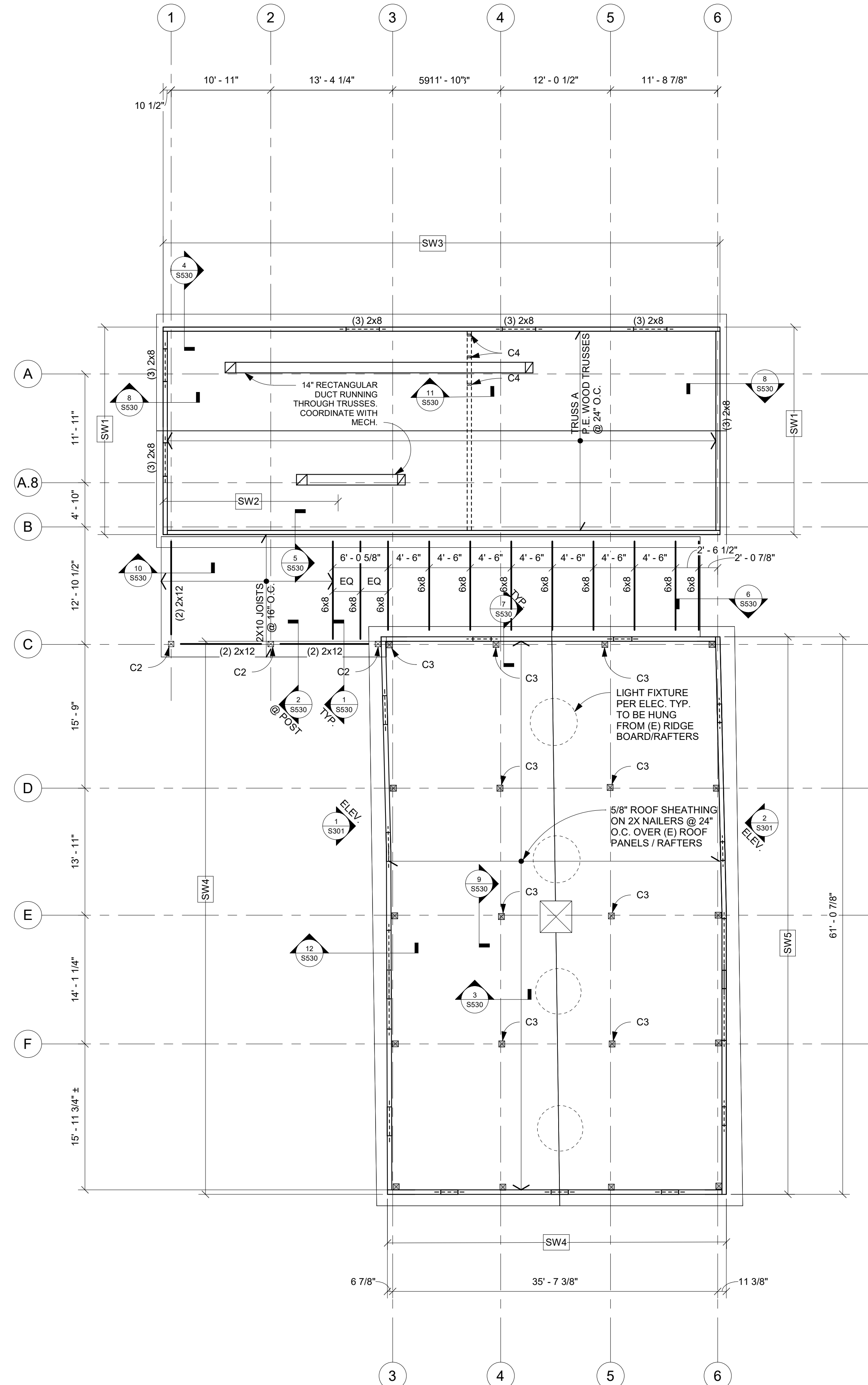
CONTRACTOR TO VERIFY EXACT DIMENSIONS OF EXISTING BARN BEFORE POURING NEW BASEMENT WALLS & FOUNDATIONS FOR EXISTING BARN.
 COLUMN LINES SHOWN ON PLAN LOCATE NEW COLUMNS ONLY. CONTRACTOR TO VERIFY LOCATIONS OF (E) COLUMNS IN FIELD.

EXACT LOCATION OF NEW STEEL COLUMNS ALONG COLUMN LINE 3 & COLUMN LINE 6 BENEATH (E) BARN SHALL BE VERIFIED WITH (E) BARN DIMENSIONS.

Mark	Column	BASE CONNECTION	Anchor Rods	Embedment
C1	HSS6X6X3/8	3/4X12X12 BASE PLATE. SEE 7/S512	(4) 3/4" Ø	8"
C2	8X8 PT POST	SIMPSON CPTZ POST BASE	(2) 1/2" Ø	8"
C3	(E) ROUGH 8X8 POST	BASE PL & KNIFE PL PER 7/S522 & 13/S522	(2) 5/8" Ø	8"
C4	(2) 2X6 FOR ADULT CHANGING TABLE	ATTACH TO BOT. PLATE W/ SIMPSON A44 EA. SIDE.	(2) 1/4" Ø	1 1/2"



SHEAR WALL SCHEDULE		NAIL SPACING:		HOLD DOWN:		BASE CONNECTION:					
WALL TYPE:	WALL MEMBERS:	SHEATHING TYPE & THICKNESS:	NAIL SIZE:	EDGE:	FIELD:	TYPE:	ANCHOR:	EMBED:	BOUNDARY CHORD:	FASTENER:	SPACING:
SW1	2X6 @ 16" O.C.	EXTERIOR: 7/16" SHEATHING PANEL INTERIOR: 5/8" GYPSUM SHEATHING PER ARCH	10d 6d	2" O.C. 4" O.C.	12" O.C. 12" O.C.	HDU14-SDS2.5	1" DIAM. ANCHOR ROD - ATTACH TO STEEL END W/ SIMPSON ATS-SBC	14" MIN.	(3) 2X6 STUDS	1/2" DIAM. SCREW ANCHOR EMBED 5" MIN. INTO FOUNDATION OR 0.15" SHANK PAF EMBED INTO STEEL	4'-0" O.C. 12" O.C.
SW2	2X6 @ 16" O.C.	EXTERIOR: 7/16" SHEATHING PANEL INTERIOR: 5/8" GYPSUM SHEATHING PER ARCH	10d 6d	2" O.C. 4" O.C.	12" O.C. 12" O.C.	HDU11-SDS2.5	1" DIAM. ANCHOR ROD	14" MIN.	(3) 2X6 STUDS	1/2" DIAM. SCREW ANCHOR EMBED 5" MIN.	4'-0" O.C.
SW3	2X6 @ 16" O.C.	EXTERIOR: 7/16" SHEATHING PANEL @ ADDITION, R-12 ZIP PANEL W/ 7/16" SHEATHING PANEL AT (E) BARN INTERIOR: 5/8" GYPSUM SHEATHING PER ARCH	10d 6d	2" O.C. 4" O.C.	12" O.C. 12" O.C.	HDU2-SDS2.5	5/8" DIAM. ANCHOR ROD	10" MIN.	(3) 2X6 STUDS	1/2" DIAM. SCREW ANCHOR EMBED 5" MIN.	4'-0" O.C.
SW4	2X4 FLAT @ 24" O.C.	R-12 ZIP PANEL, W/ 7/16" SHEATHING PANEL	12d	2" O.C.	12" O.C.	CUSTOM BASE PLATE	SEE DETAIL 3/S522	12" MIN.	(E) 8X8 WOOD POST	0.15" SHANK PAF EMBED 1 1/2" MIN. EMBED	2'-0" O.C.
SW5	2X4 FLAT @ 24" O.C.	R-12 ZIP PANEL, W/ 7/16" SHEATHING PANEL SEE DETAIL 4/S521	12d	2" O.C.	12" O.C.	CUSTOM BASE PLATE	SEE DETAIL 4/S521	N/A	(E) 8X8 WOOD POST	0.15" SHANK PAF EMBED 1 1/2" MIN. INTO SOD	2'-0" O.C.
SW6	2X4 FLAT @ 24" O.C. & 2X4 @ 16" O.C.	R-12 ZIP PANEL, W/ 7/16" SHEATHING PANEL & 1/2" SHEATHING. SEE DETAILS 7/S530	12d	2" O.C.	12" O.C.	CUSTOM BASE PLATE	SEE DETAIL 7/S522 & 3/S522	N/A	(2) 8X8 WOOD POST	0.15" SHANK PAF EMBED 1 1/2" MIN. INTO SOD	2'-0" O.C.



1 ROOF FRAMING PLAN

SCALE: 1/8" = 1'-0"
0' 1' 2' 4' 8'

ROOF FRAMING NOTES

- DESIGN ROOF LIVE LOADS = 20 PSF PLUS THE EFFECTS OF DRIFTING SNOW PER OBC. 12 PSF NET WIND UPLIFT.
- ROOF CONSTRUCTION:
5/8" ROOF SHEATHING ON PREFABRICATED WOOD TRUSSES.
2" NOMINAL TONGUE AND GROOVE WOOD PANELS ON DIMENSION LUMBER JOISTS & RECLAIMED BEAMS.
2X NAILERS WITH SHEATHING ON (E) BARN RAFTERS.
- NO NAIL PENETRATIONS ARE TO BE VISIBLE THROUGH (E) WOOD SIDING
- TOP OF JOIST / BEAM ELEVATION = 112'-0" UNLESS NOTED OTHERWISE.
- SEE SHEET S001 FOR STRUCTURAL NOTES AND LEGEND.
- REUSE (E) LUMBER FROM BARN DEMO WHERE CALLED OUT ON PLAN. DO NOT USE WOOD WITH SIGNS OF DETERIORATION OR CRACKING. (E) LUMBER CAN BE CUT DOWN TO APPROPRIATE SIZE AS NEEDED. NEW ROUGH HEWIN LUMBER CAN BE USED IF NEEDED.

Mark	Column	BASE CONNECTION	Anchor Rods	Embedment
C1	HSS6X6X3/8	3/4X12X12 BASE PLATE. SEE 7/S512	(4) 3/4" Ø	8"
C2	8X8 PT POST	SIMPSON CPTZ POST BASE	(2) 1/2" Ø	8"
C3	(E) ROUGH 8X8 POST	BASE PL & KNIFE PL PER 7/S522 & 13/S522	(2) 5/8" Ø	8"
C4	(2) 2X6 FOR ADULT CHANGING TABLE	ATTACH TO BOT. PLATE W/ SIMPSON A44 EA. SIDE.	(2) 1/4" Ø	1 1/2"



ARCHITECTURE. INSPIRED.
300 Marconi Boulevard | Columbus OH 43215
T 614-628-0300 F 614-628-0311
schooleycaldwell.com

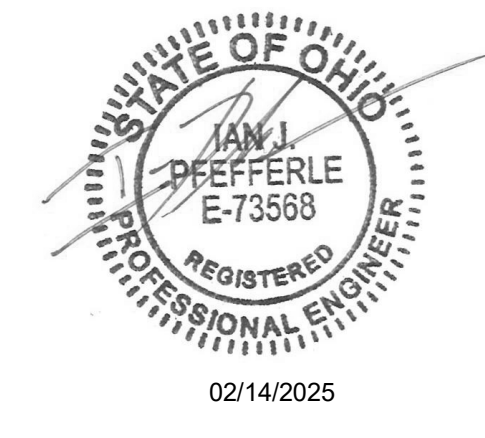
Consultants:
Civil, Structural & MEP
Korda/Nemeth Engineering
1650 Watermark Drive, Columbus, OH 43215
614-487-1650
Barn Consultant
Mt. Vernon Barn Co.
7676 Condit Rd, Fredericktown, OH 43019
614-634-2949

Issue	Date
Design Development Submittal	11/17/2023
50% Construction Documents	08/15/2024
90% Construction Documents	01/15/2025
Bid Set / Permit Set	02/14/2025

#	Description	Date
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Bicentennial Barn -
McCammon Creek
Park

6844 Bale Kenyon Rd
Lewis Center, OH 43035



ROOF FRAMING
PLAN

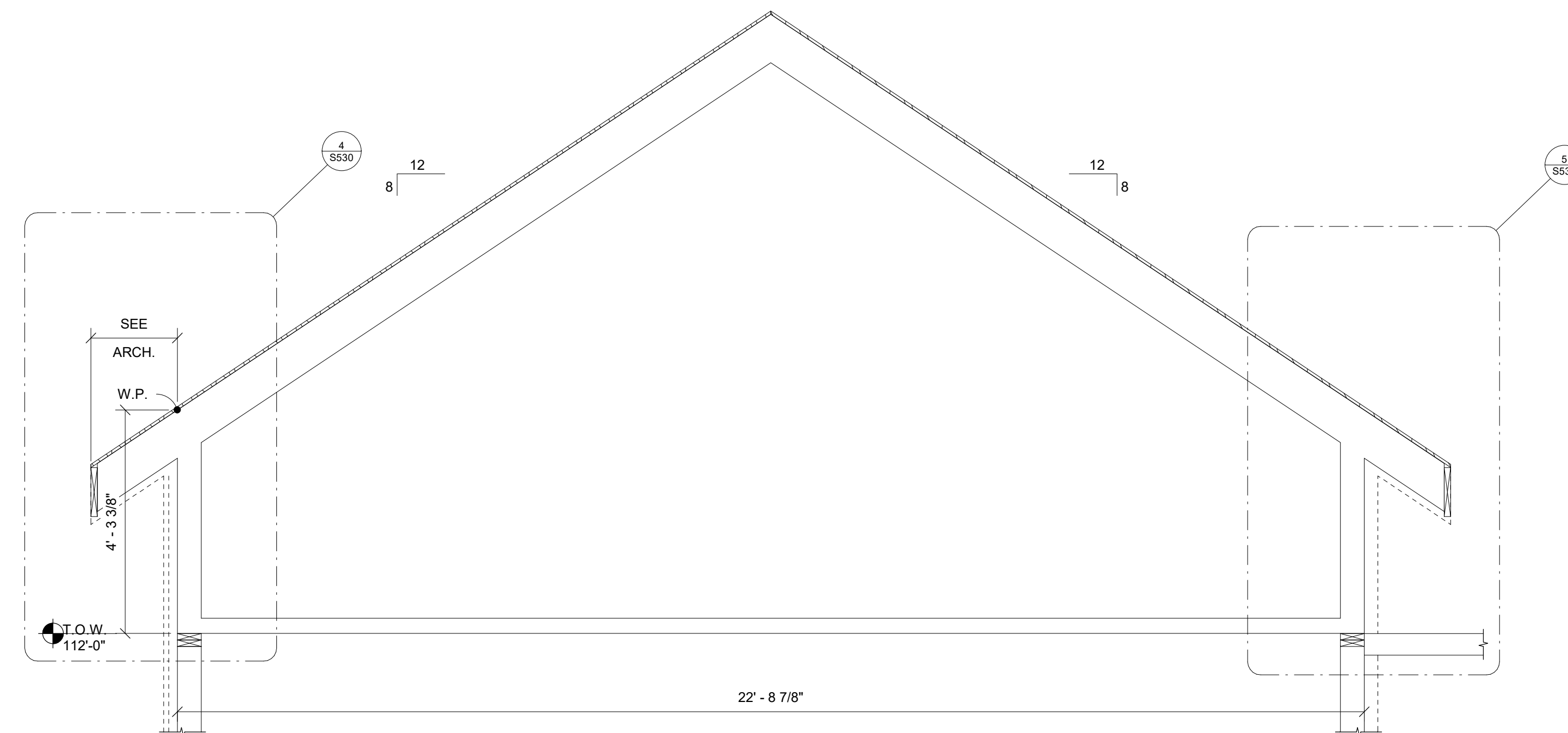
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KORDA NEMETH ENGINEERING
1650 WATERMARK DRIVE
SUITE 200
COLUMBUS, OHIO 43215
DRAWN BY: WRH
DESIGNED BY: CKP
CHECKED BY: JUP
PROJECT NUMBER: 2023-0006

Structural
S103
11/25/2024
23070

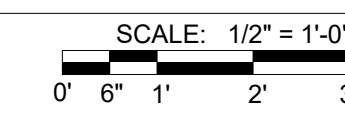
Drawing Issue Dates

Design Development Submittal	11/17/2023
50% Construction Documents	08/15/2024
90% Construction Documents	01/15/2025
Bid Set / Permit Set	02/14/2025

Revision Schedule		
#	Description	Date



1 TRUSS PROFILE
TRUSS A



PREFABRICATED WOOD TRUSSES

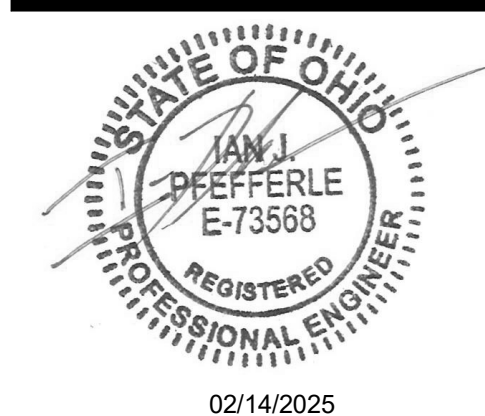
1. MATERIALS:
 - a. LUMBER: SOUTHERN PINE #2, ALLOWABLE STRESSES PER THE NATIONAL DESIGN SPECIFICATION SUPPLEMENT, 2005 EDITION; 19% MAX. M.C.
 - b. METAL CONNECTOR PLATES: GALVANIZED SHEET STEEL, ASTM A653, GRADE A, COATING CLASS G60 PER ASTM A653 TYPICALLY. USE COATINGS CLASS G185 WHEN FRT IS USED. MANUFACTURE WITH HOLES, PLUGS, TEETH OR PRONGS UNIFORMLY SPACED AND FORMED.
1. DESIGN LOADS (UNFACTORED)

LIVE LOAD:	20 PSF
SNOW LOAD:	20 PSF + DRIFT (SEE S001)
DEAD LOAD @ TOP CHORD:	13 PSF
DEAD LOAD @ BOTTOM CHORD:	10 PSF
OVERFRAMING DEAD LOAD:	5 PSF
NET WIND UPLIFT:	12 PSF

 - a. FINAL DESIGN OF MEMBERS AND CONNECTIONS IS TO BE BY A PROFESSIONAL ENGINEER, REGISTERED IN OHIO, EXPERIENCED IN SIMILAR DESIGN, RETAINED BY THE MANUFACTURER.
 - b. SHOP DRAWINGS SHALL EXHIBIT THE SEAL OF THE ENGINEER RESPONSIBLE FOR THE TRUSS DESIGN.
3. FOR WIND DESIGN PARAMETERS SEE SECTION A.10 OF STRUCTURAL NOTES, SHEET S001
4. DEFLECTION LIMITS
 - a. MAXIMUM LIVE LOAD DEFLECTION IS TO BE L/360.
 - b. MAXIMUM TOTAL LOAD DEFLECTION IS TO BE L/240.
 - c. MAXIMUM TOTAL HORIZONTAL DEFLECTION = 3/4"
 - d. MAXIMUM LIVE LOAD HORIZONTAL DEFLECTION = 1/2"
5. MISCELLANEOUS:
 - a. BOLT TOP CHORDS OF ALL MULTIPLE TRUSSES TOGETHER WITH 1/2" DIAMETER BOLTS AT 4'-0" O.C. BOLT WEB MEMBERS TOGETHER WITH 1/2" DIAMETER BOLTS AT 2'-0" O.C. AT CONCENTRATED LOADS.
 - b. IN AREAS WHERE TOP CHORDS OF TRUSSES DO NOT RECEIVE PLYWOOD SHEATHING, PROVIDE 1 X 4 CONTINUOUS BRIDGING PERPENDICULAR TO TOP CHORDS AND SPACED AT 3'-0" O.C.
 - c. TRUSS FABRICATOR SHALL SUBMIT COPIES OF THE FINAL APPROVED FABRICATION DRAWINGS TO THE DEPARTMENT OF COMMERCE, OFFICE OF CONSTRUCTION COMPLIANCE, PRIOR TO FABRICATION AND ERECTION.

**Bicentennial Barn -
McCammon Creek
Park**

6844 Bale Kenyon Rd
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02/14/2025

ELEVATIONS

Structural
S300
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23070

KORDA
KORDA NEMETH ENGINEERING
1650 WATERMARK DRIVE
SUITE 200
COLUMBUS, OHIO 43215

DRAWN BY: WRH
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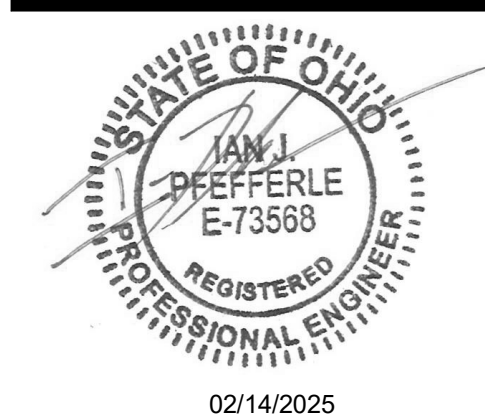
Drawing Issue Dates

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50% Construction Documents	08/15/2024
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Bid Set / Permit Set	02/14/2025

Revision Schedule		
#	Description	Date

Bicentennial Barn - McCammon Creek Park

6844 Bale Kenyon Rd
Lewis Center, OH 43035

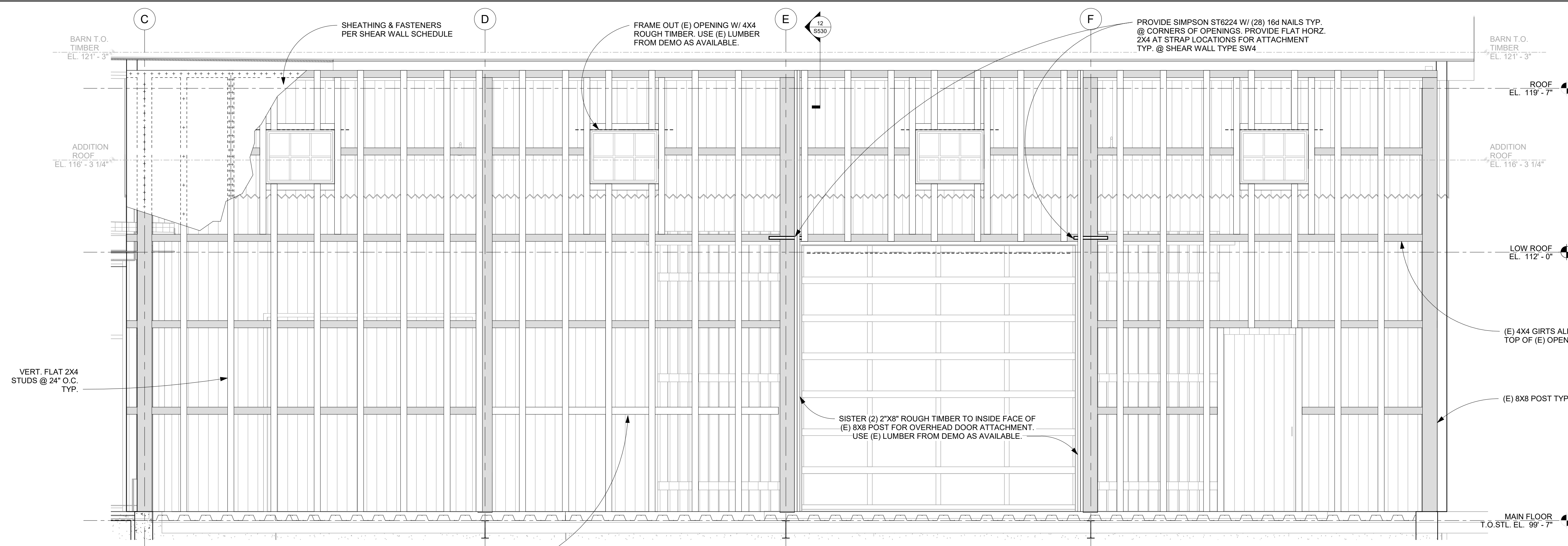


02/14/2025

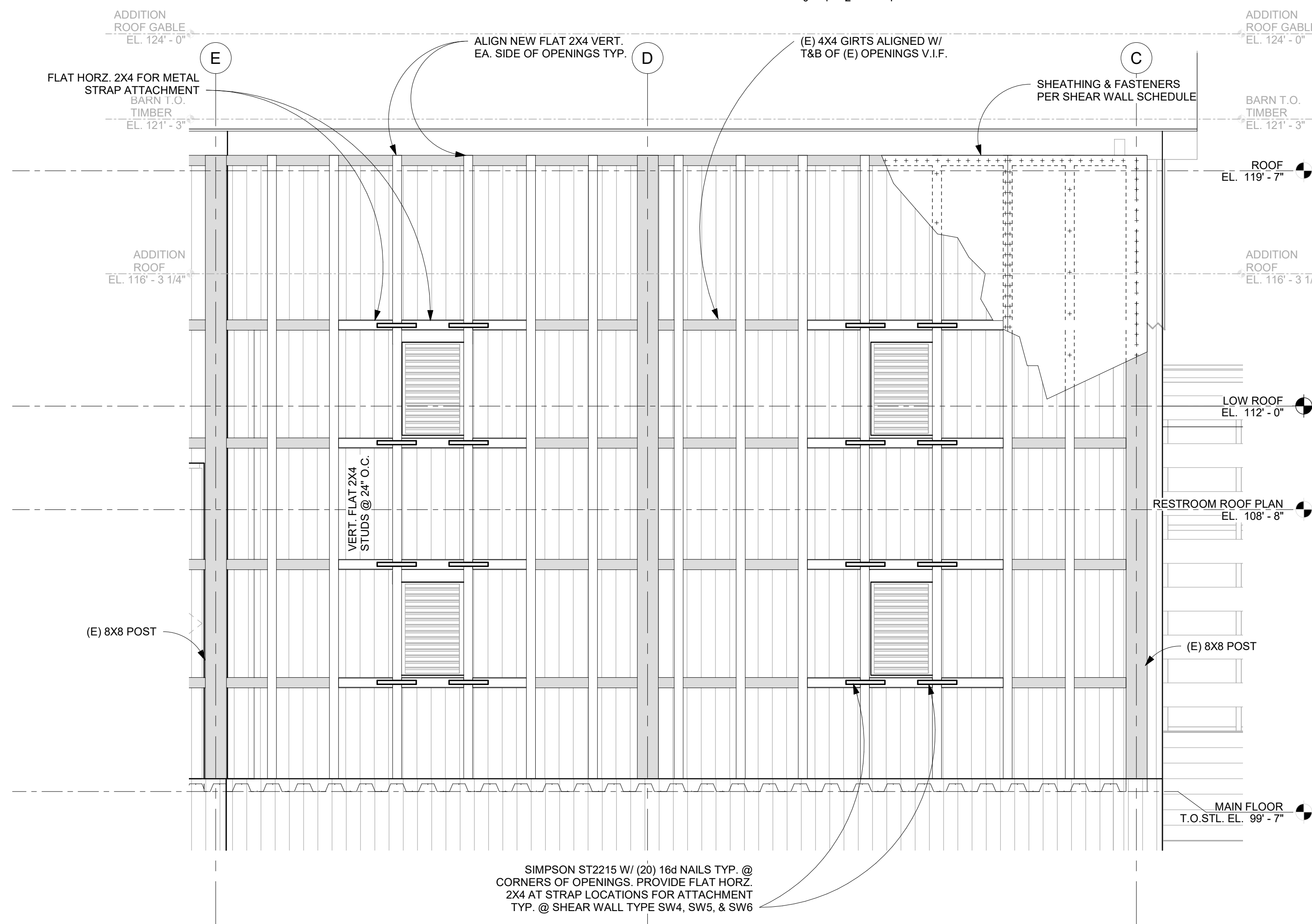
ELEVATIONS

Structural
S301
11/25/2024
23070

KORDA
KORDA NEMETH ENGINEERING
1650 WATERMARK DRIVE
SUITE 200
COLUMBUS, OHIO 43215
DRAWN BY: WRH
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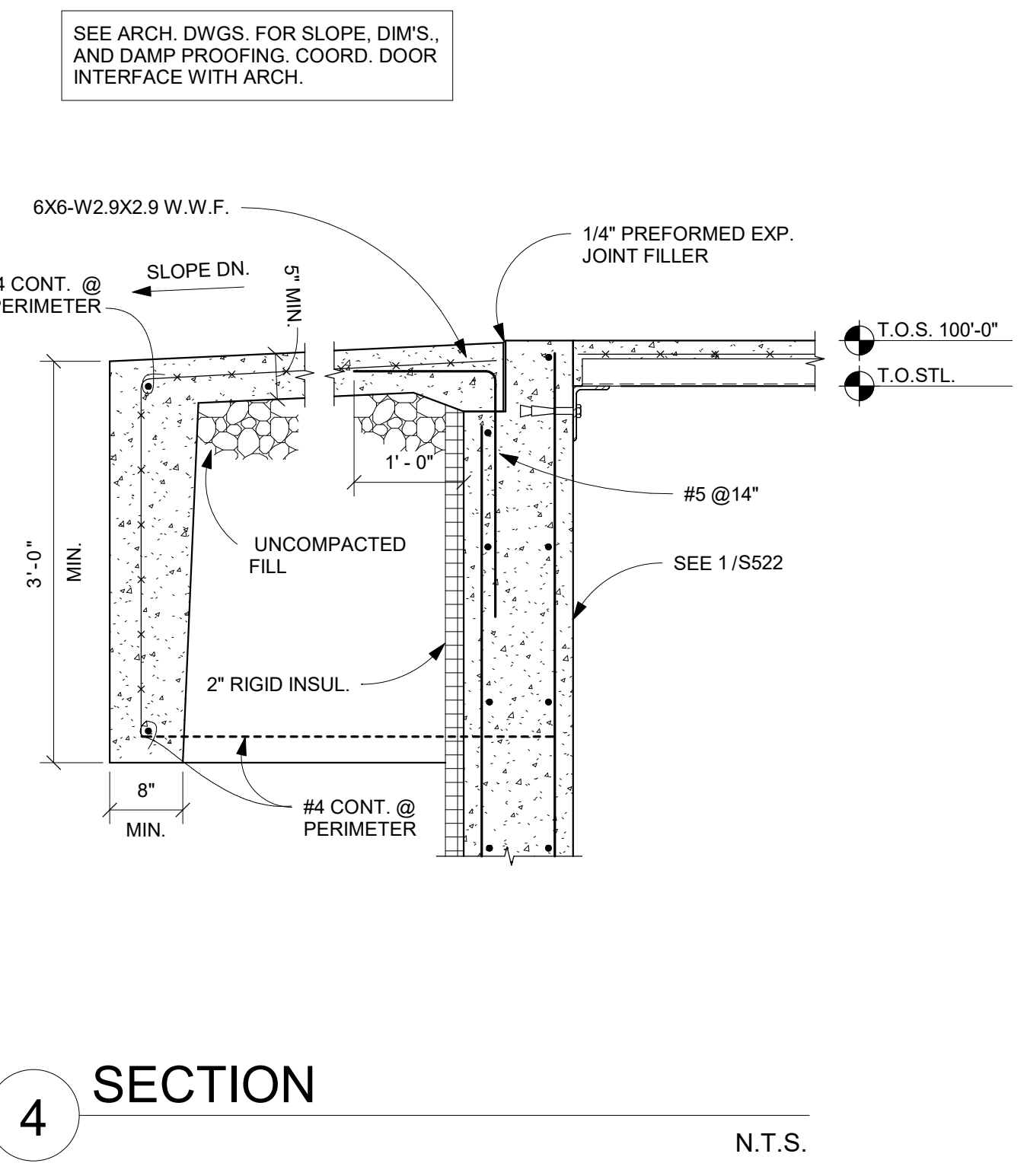
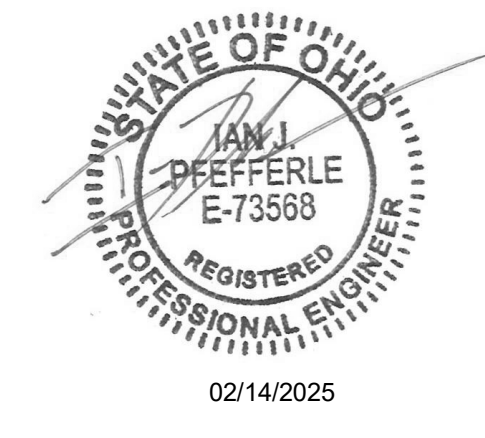


1 WEST ELEVATION
TYP. @ SW4
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0' 1' 2' 4'

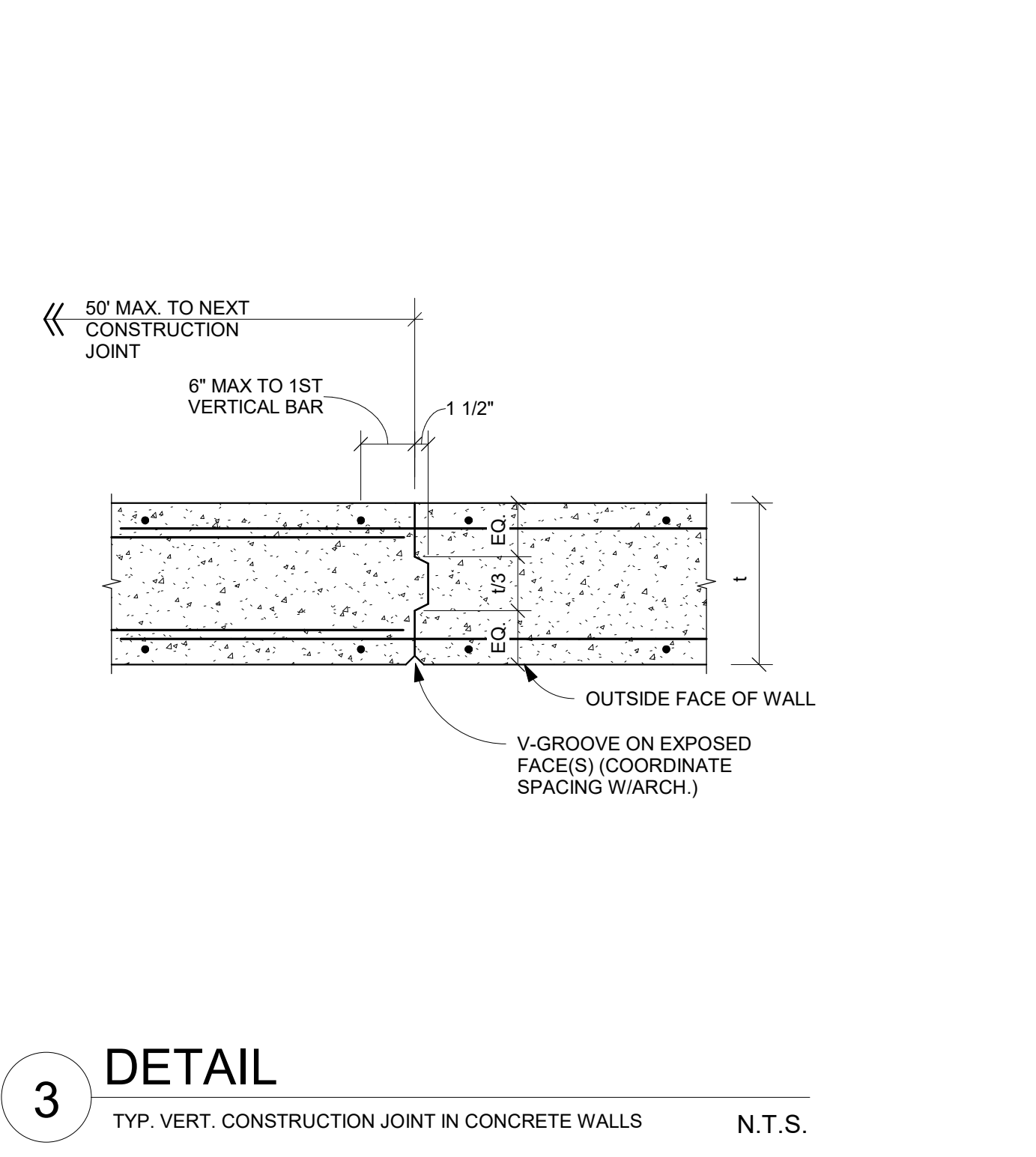


2 EAST ELEVATION
TYP. @ SW5
SCALE: 3/8" = 1'-0"
0' 6' 1' 3'

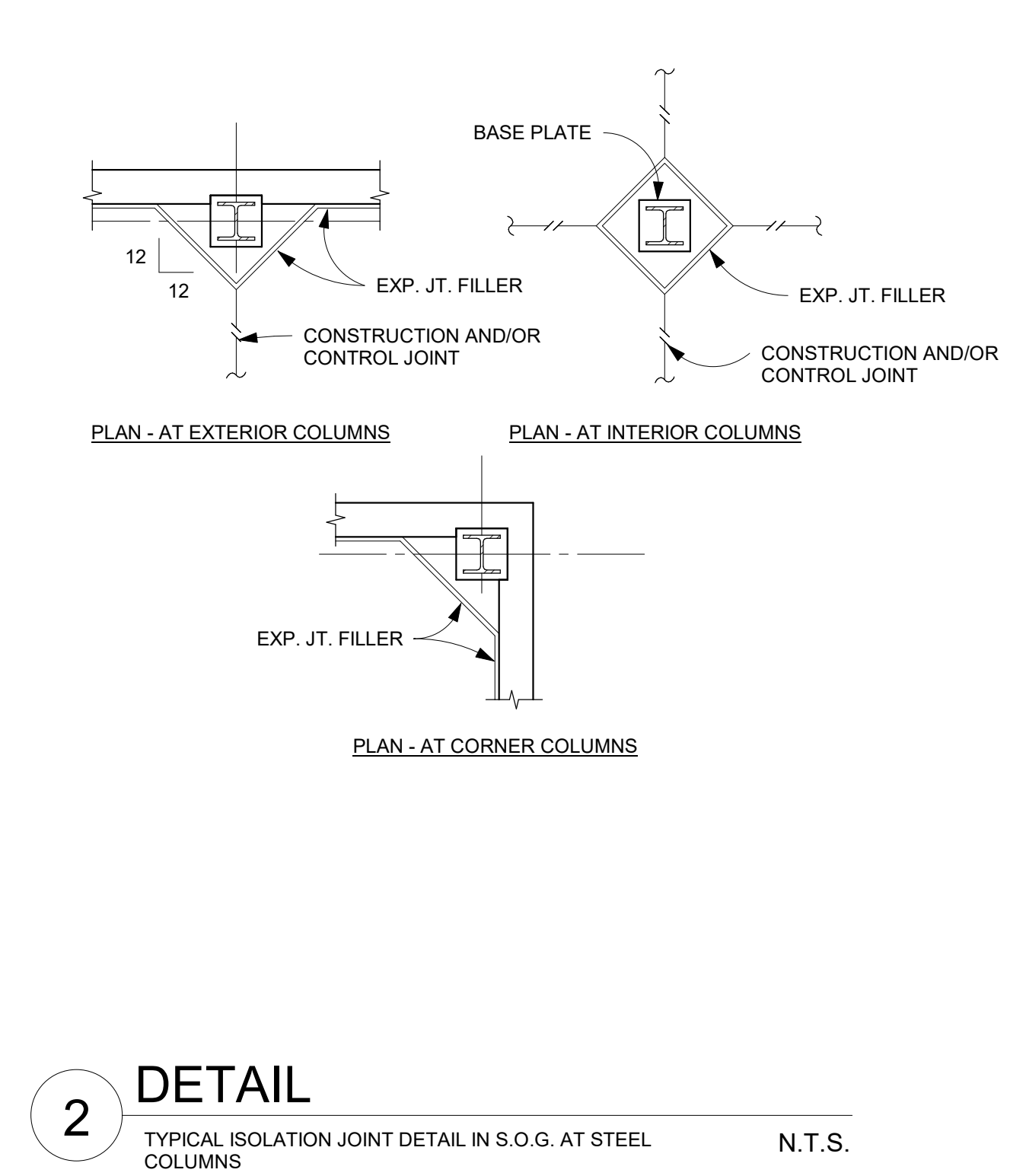
Revision Schedule		
#	Description	Date



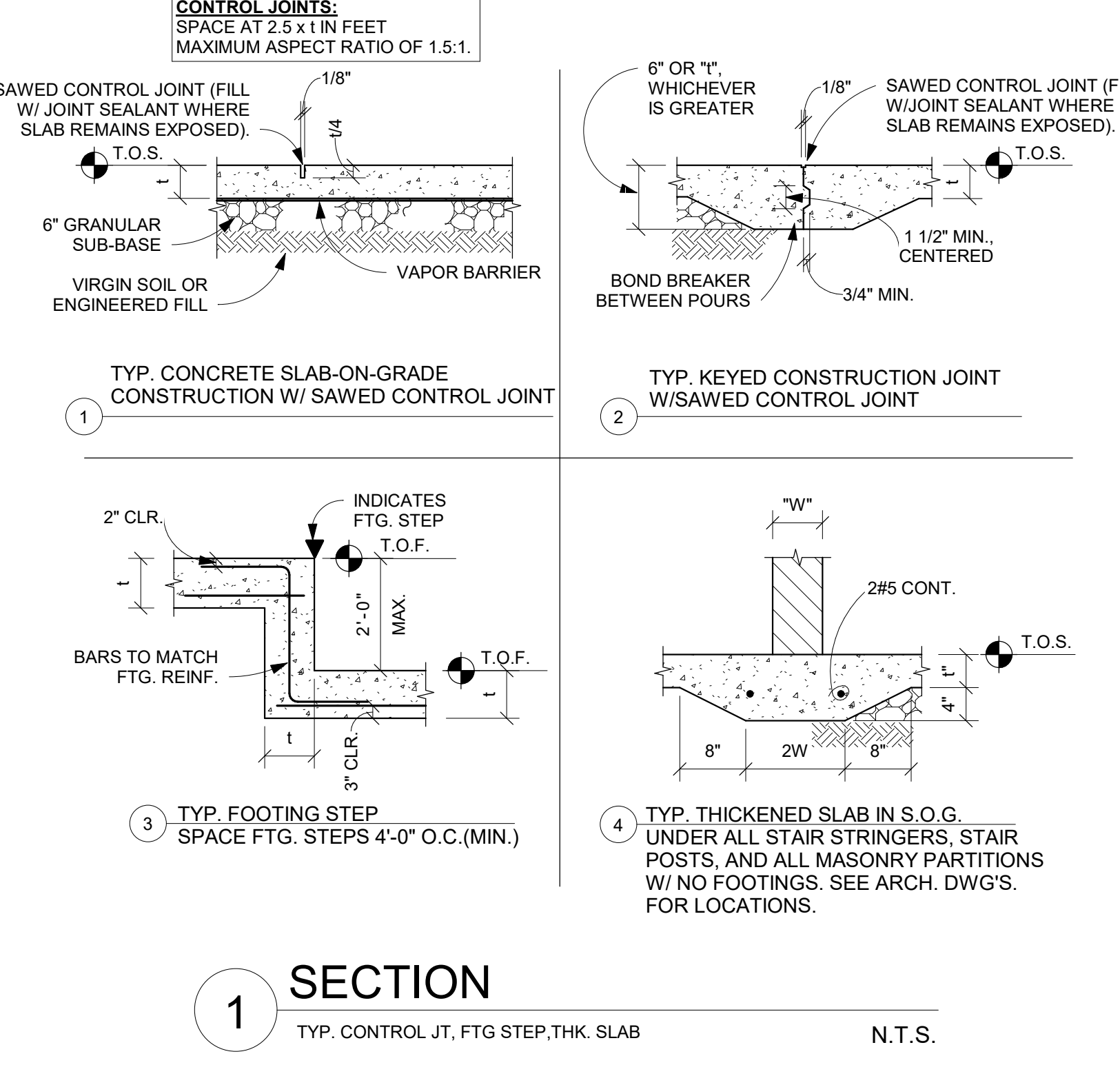
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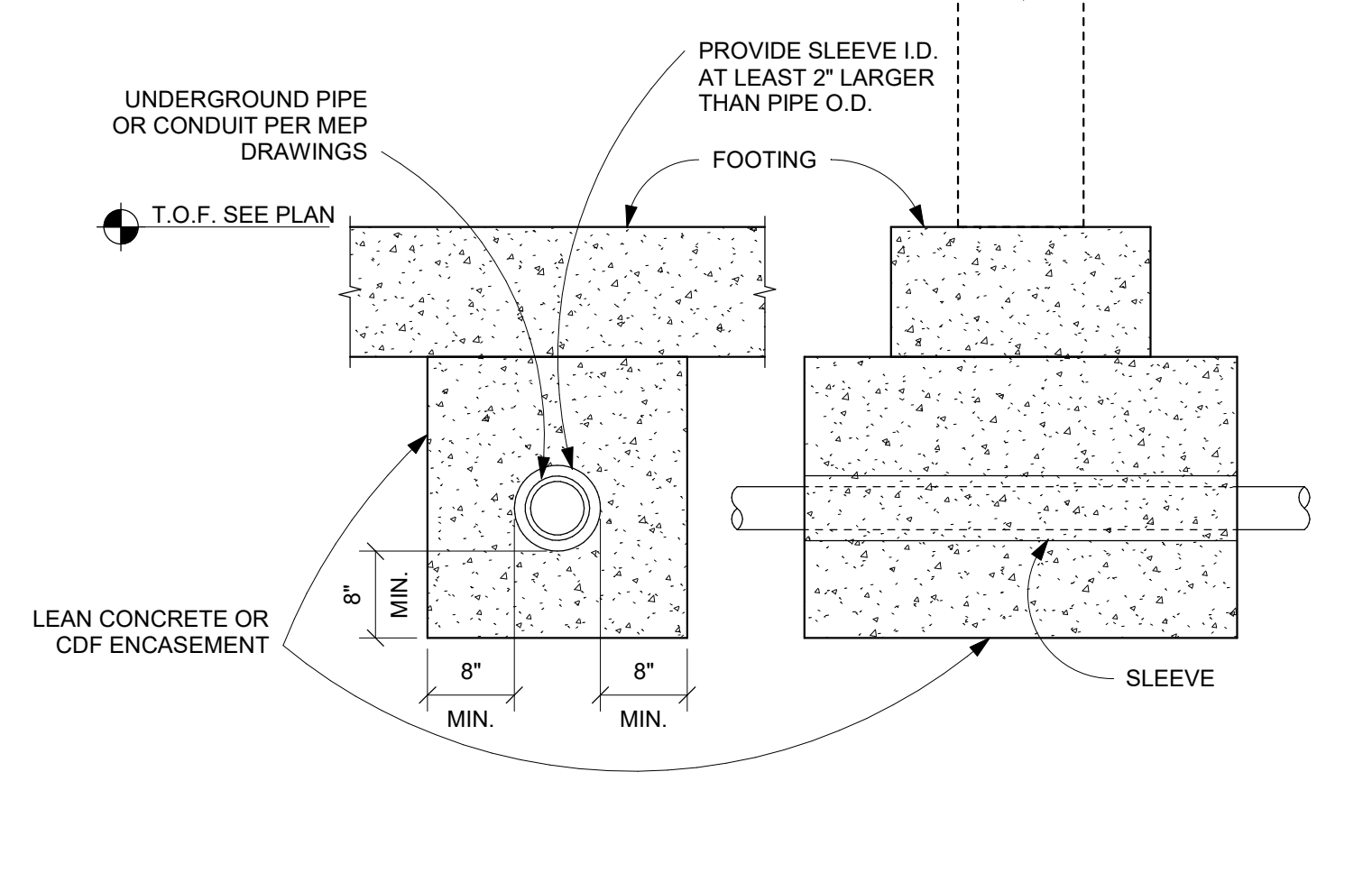
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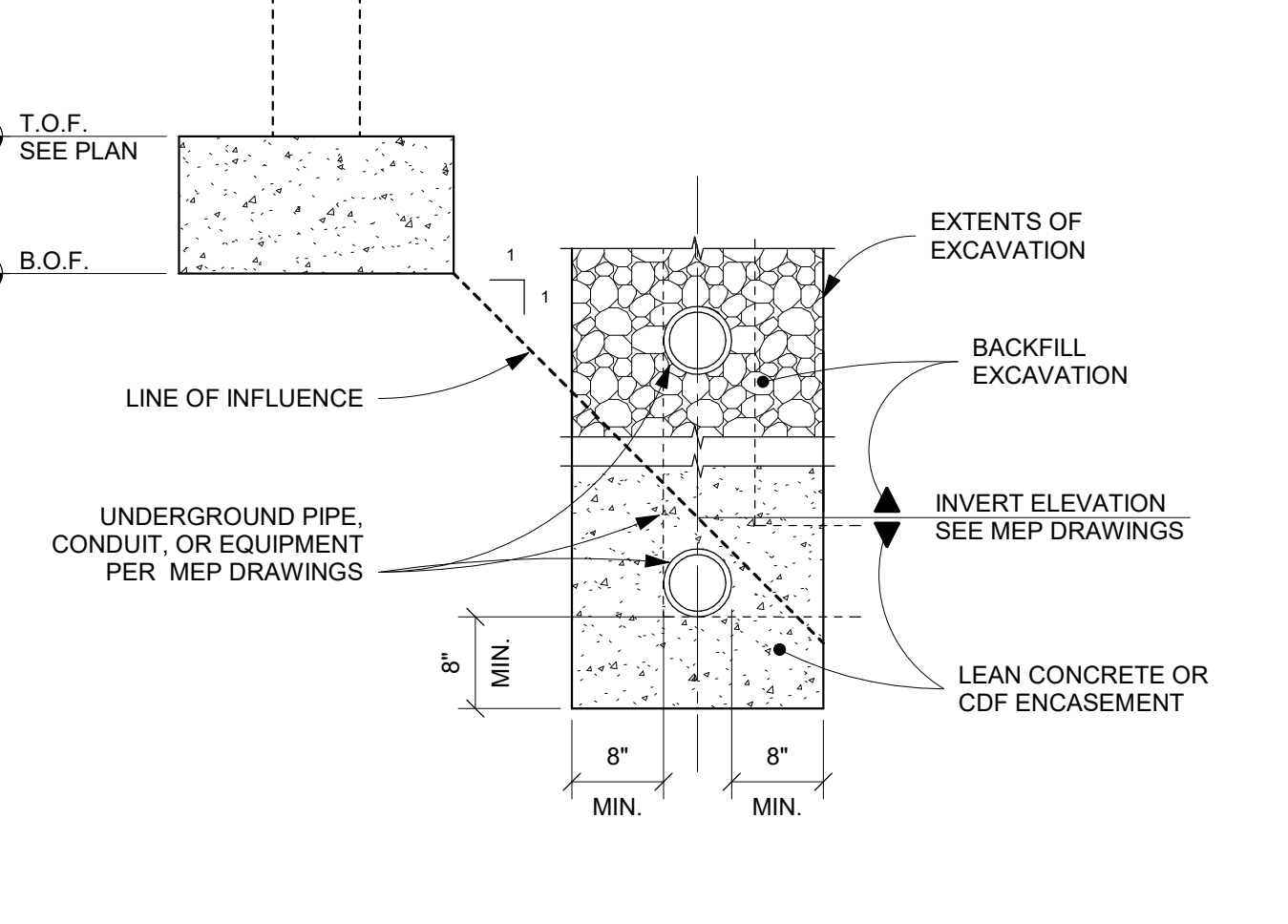
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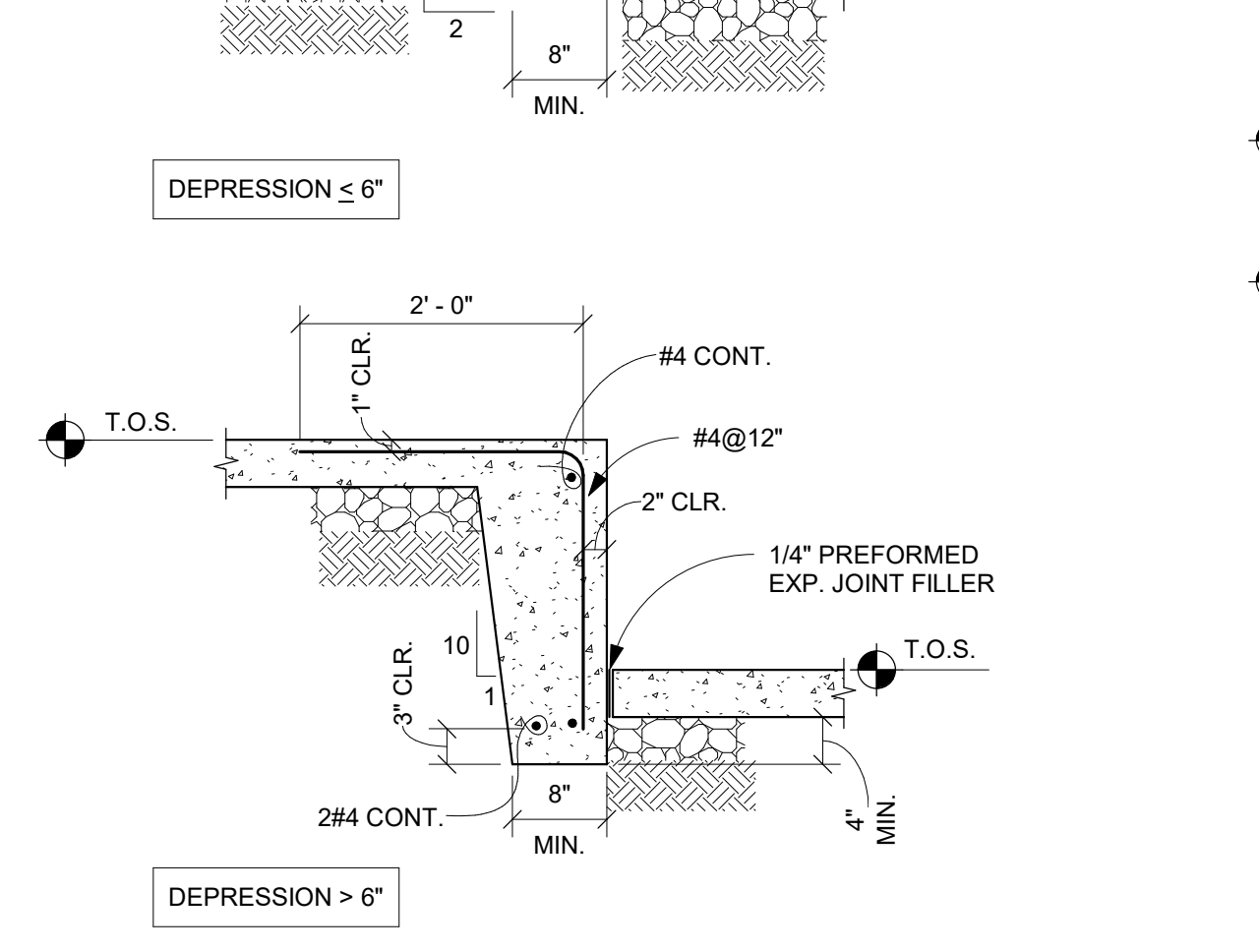
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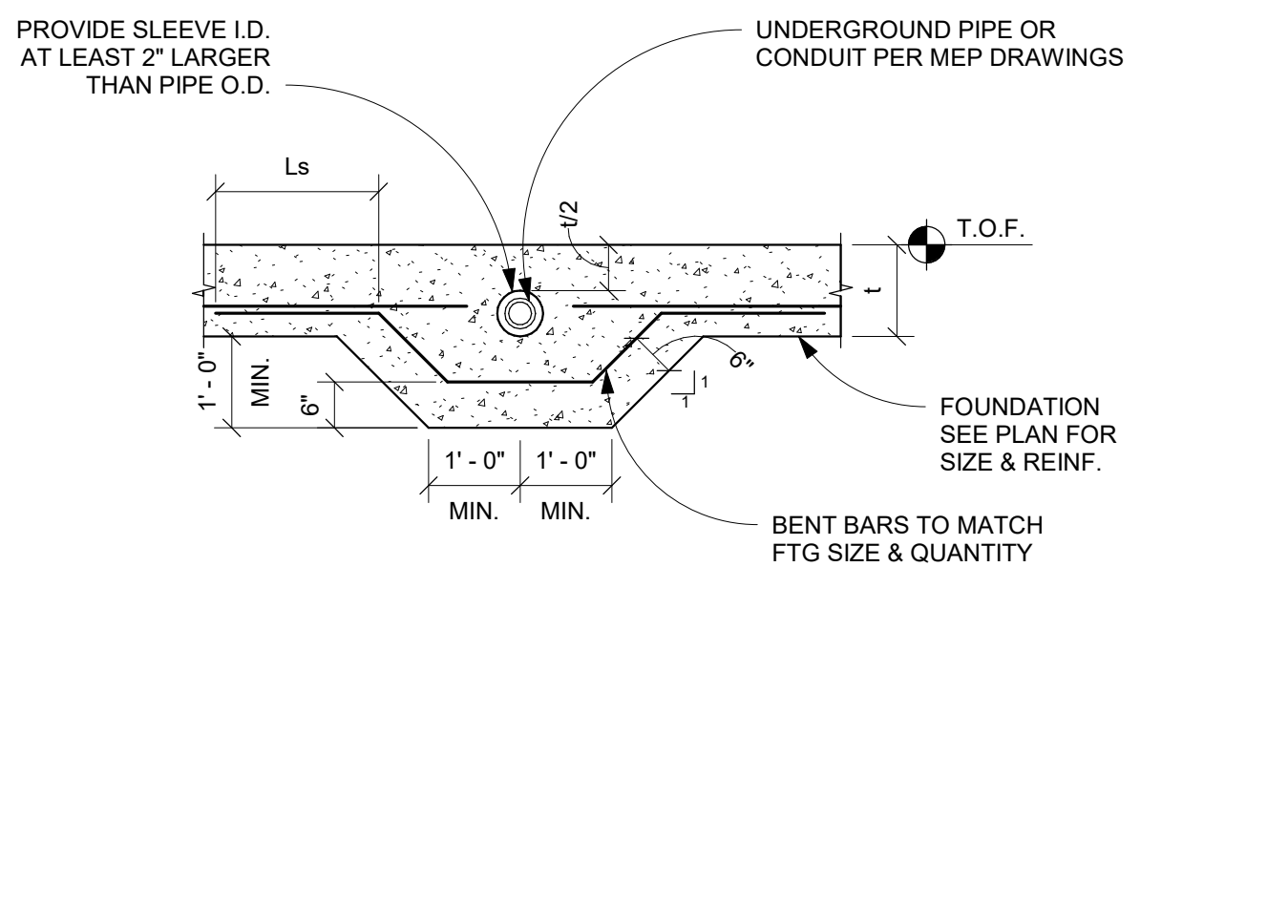
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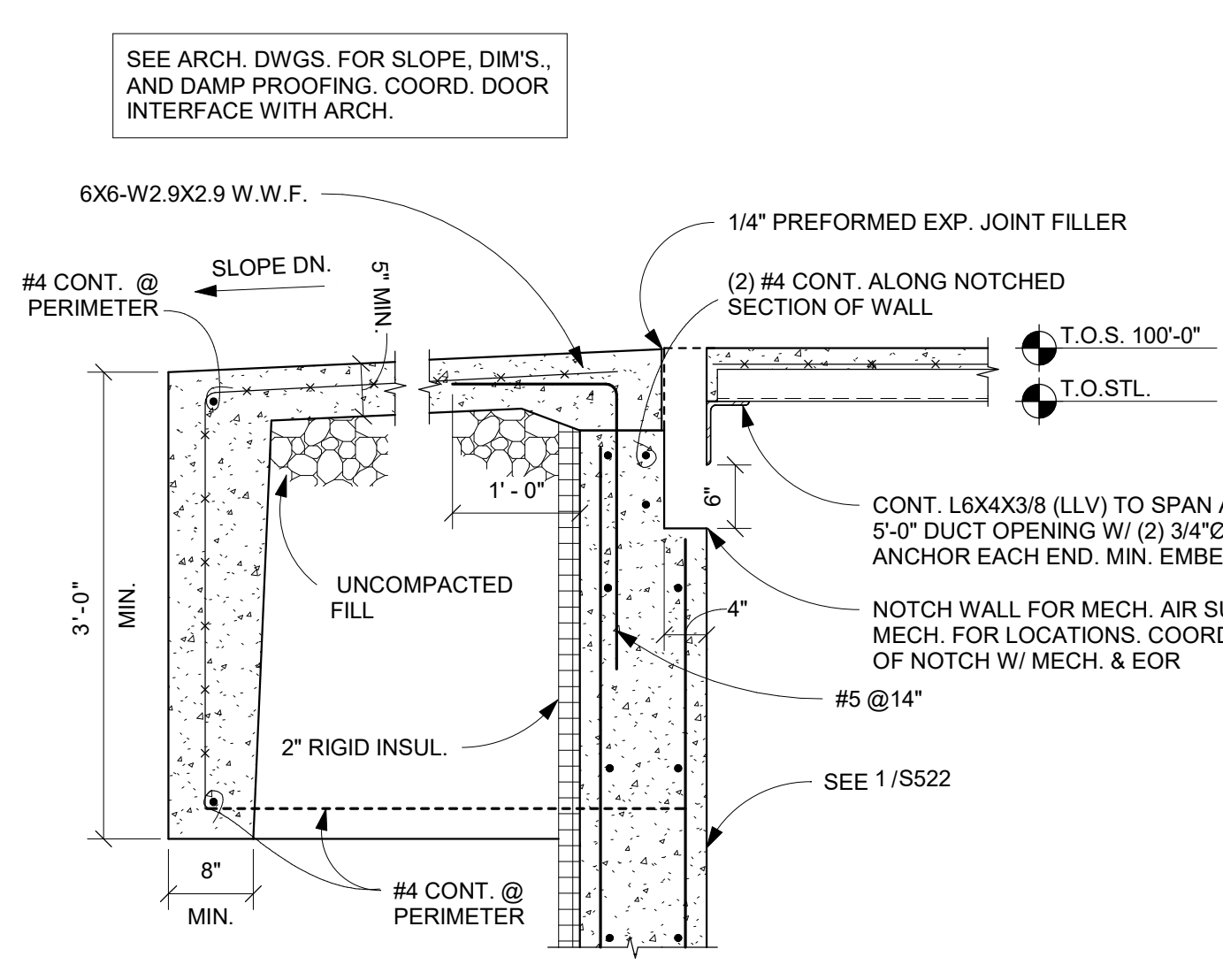
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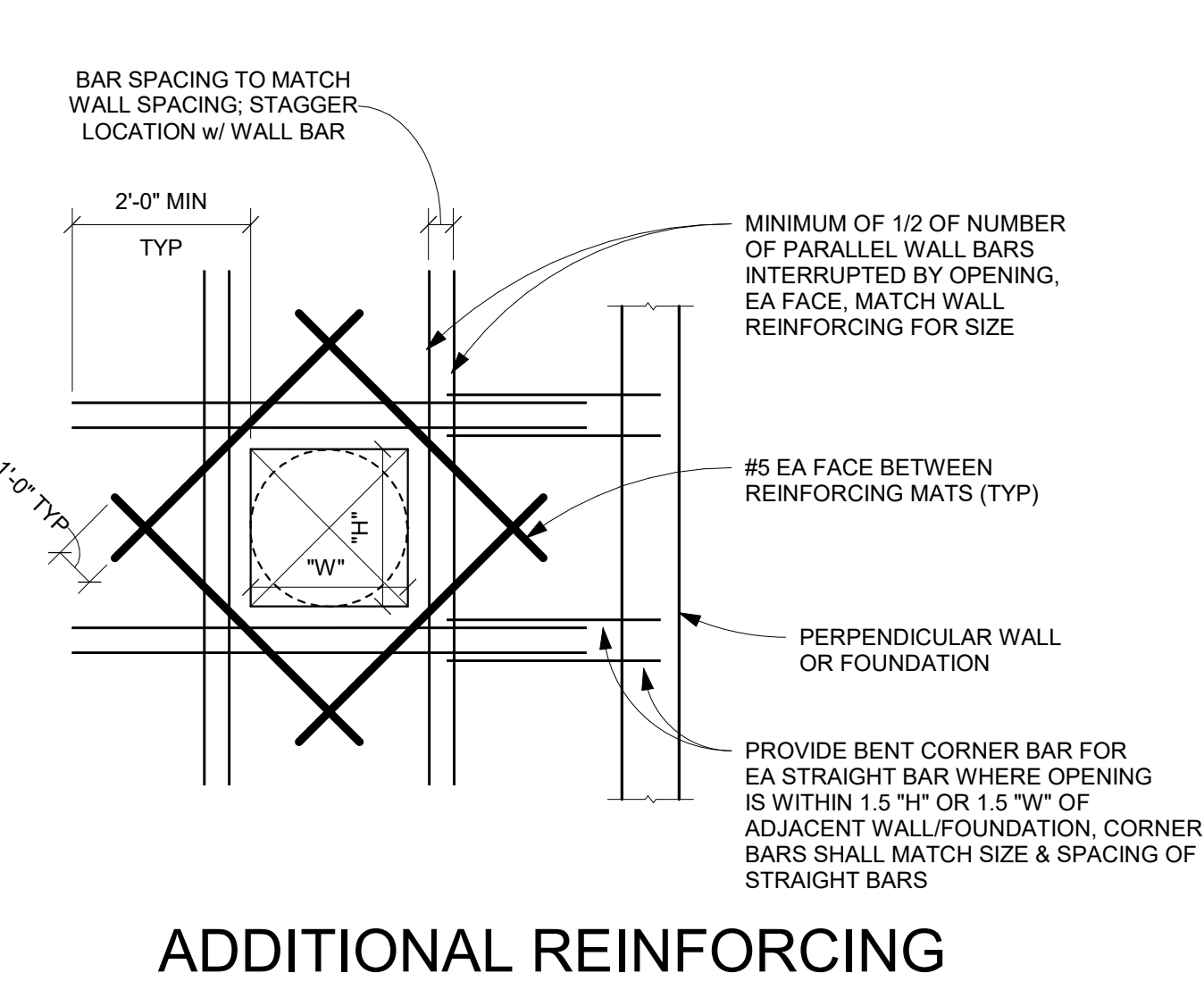
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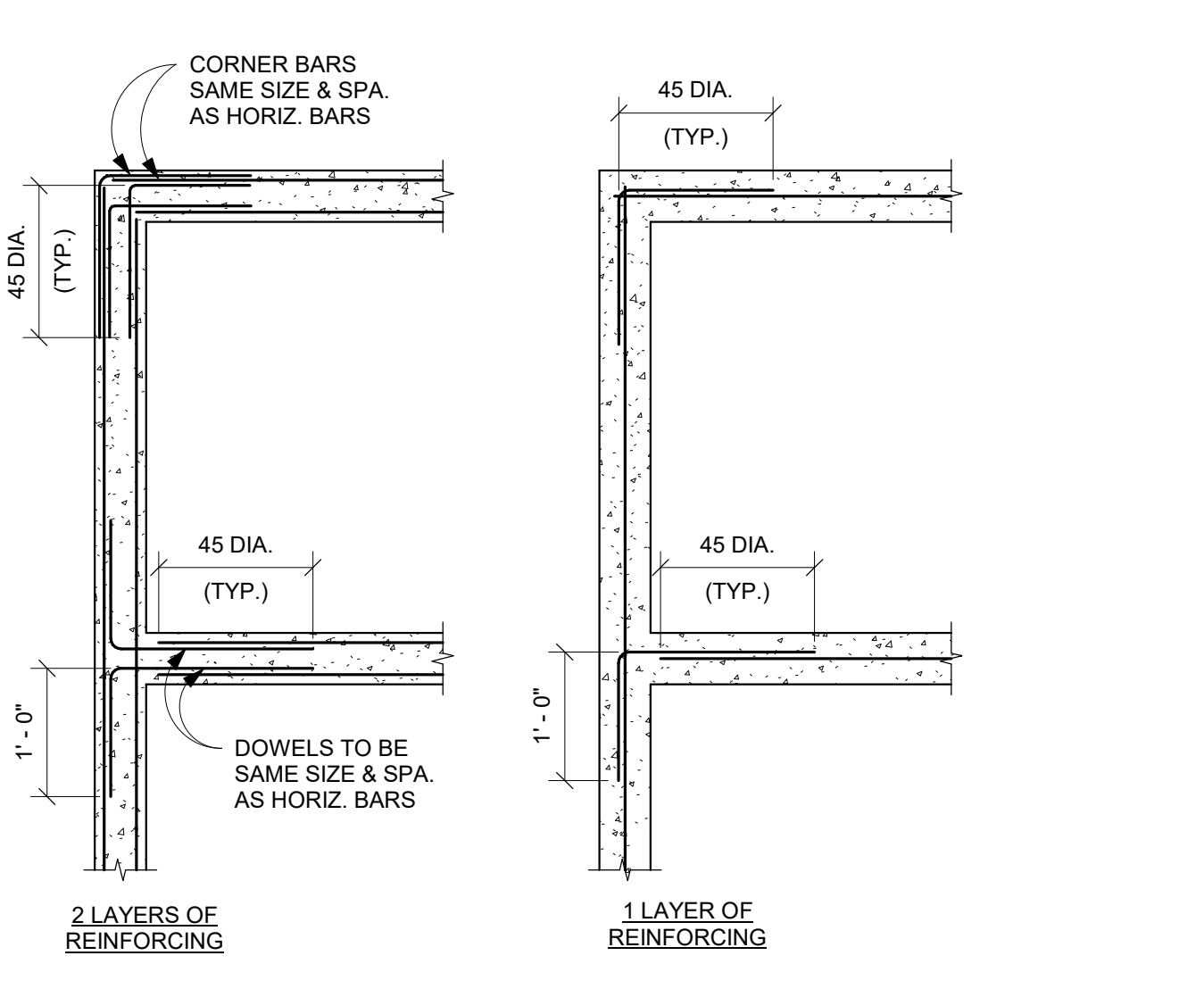
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11 SECTION N.T.S.



10 ADDITIONAL REINFORCING AT OPENINGS N.T.S.



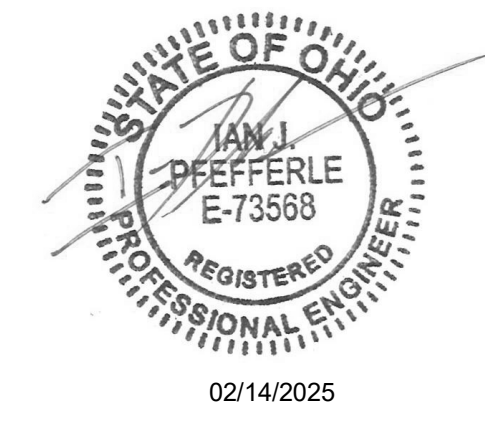
9 DETAIL N.T.S.

KORDA
 KORDA NEMETH ENGINEERING
 1650 WATERMARK DRIVE
 SUITE 200
 COLUMBUS, OHIO 43215
 DRAWN BY: WRH
 DESIGNED BY: CKP
 CHECKED BY: IJP
 PROJECT NUMBER: 2023-0006

Revision Schedule		
#	Description	Date

Bicentennial Barn -
 McCammon Creek
 Park

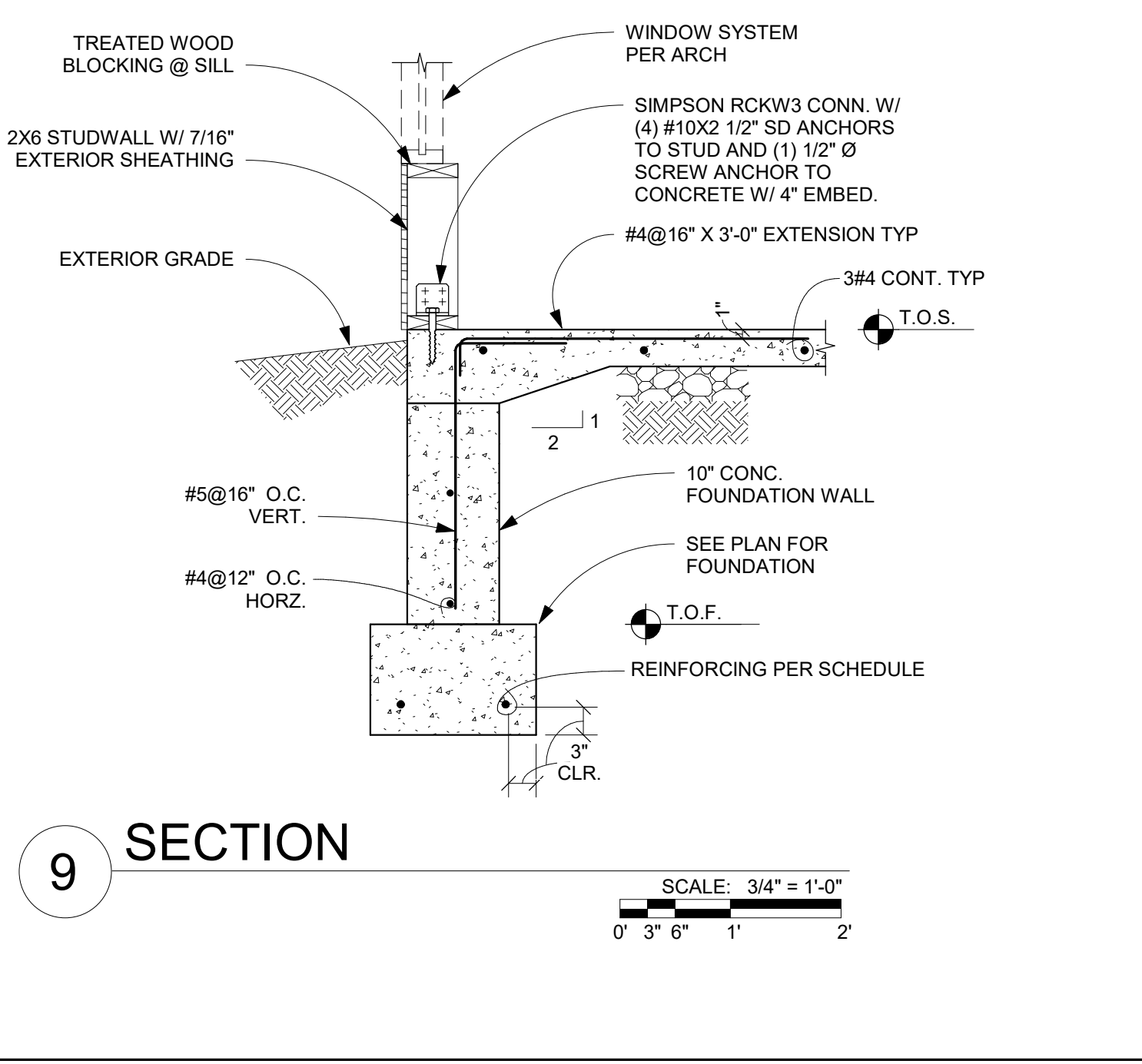
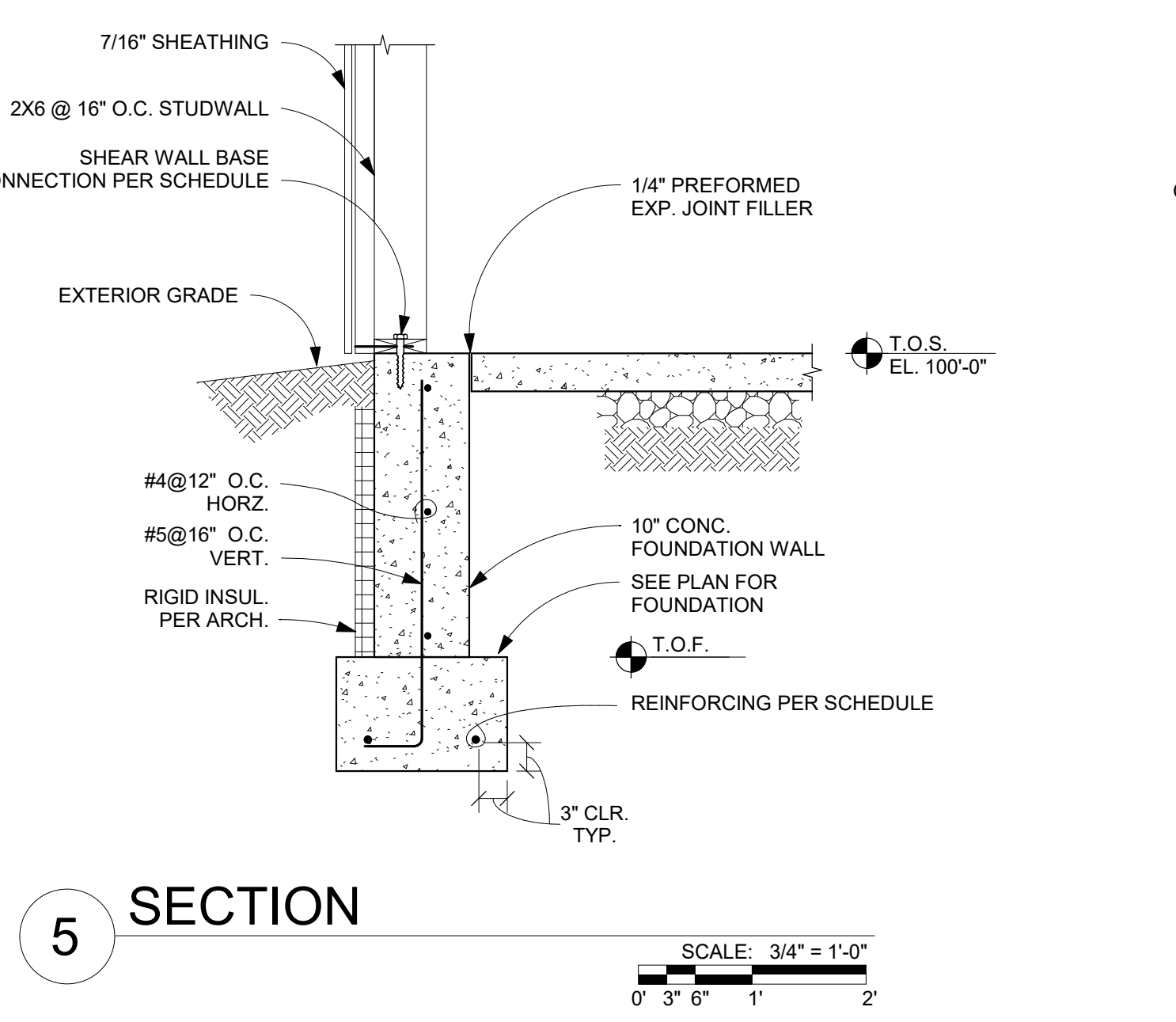
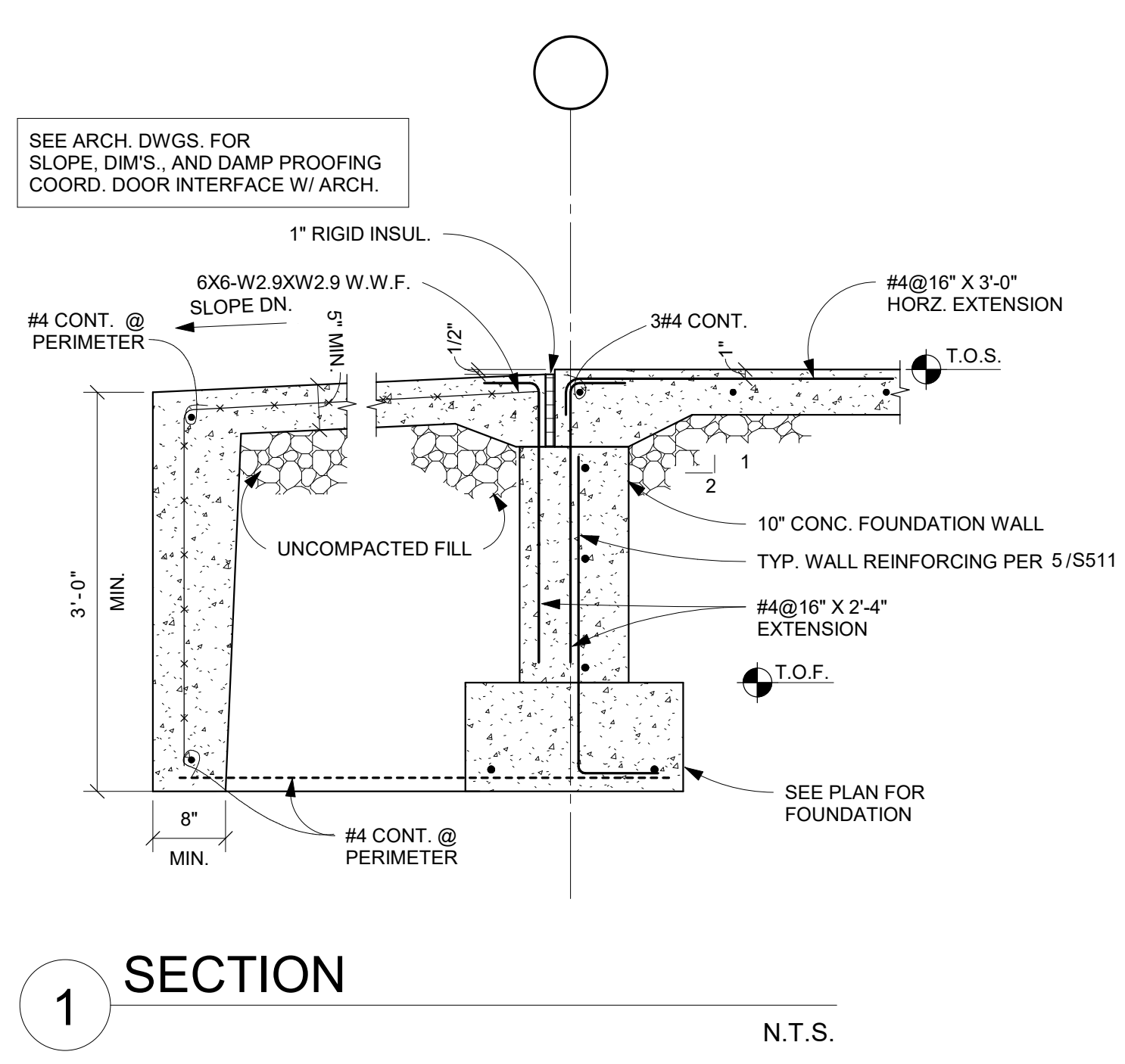
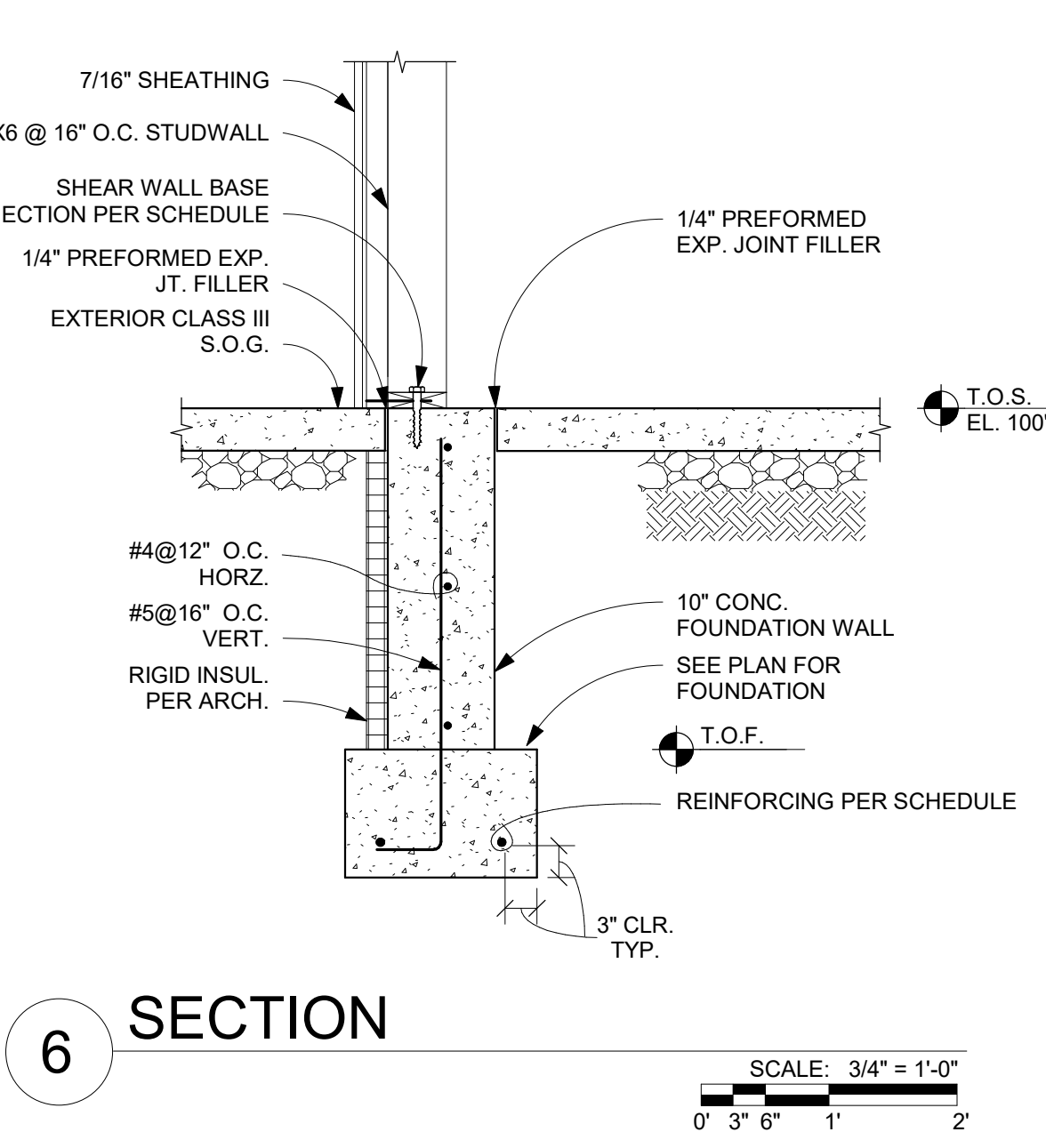
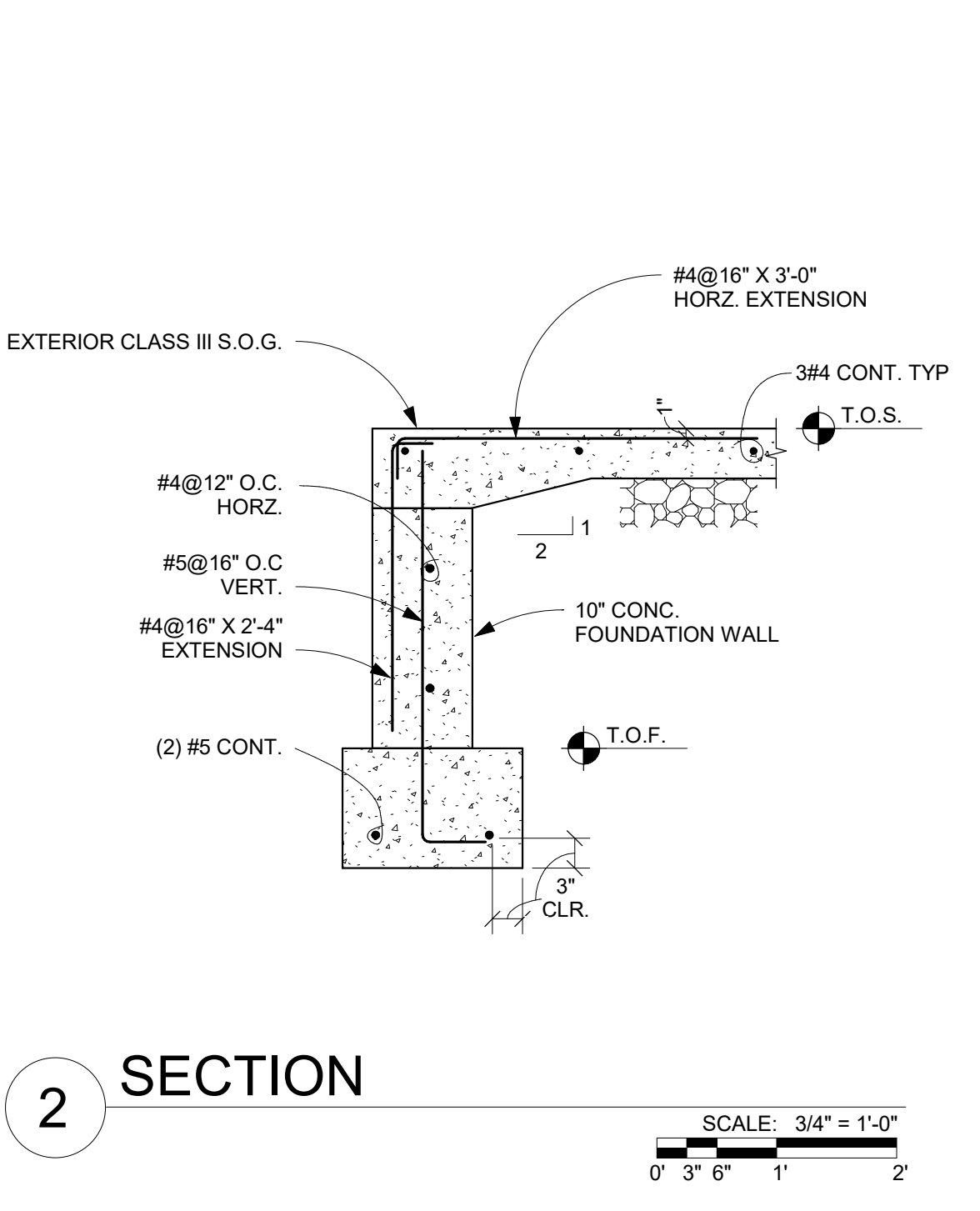
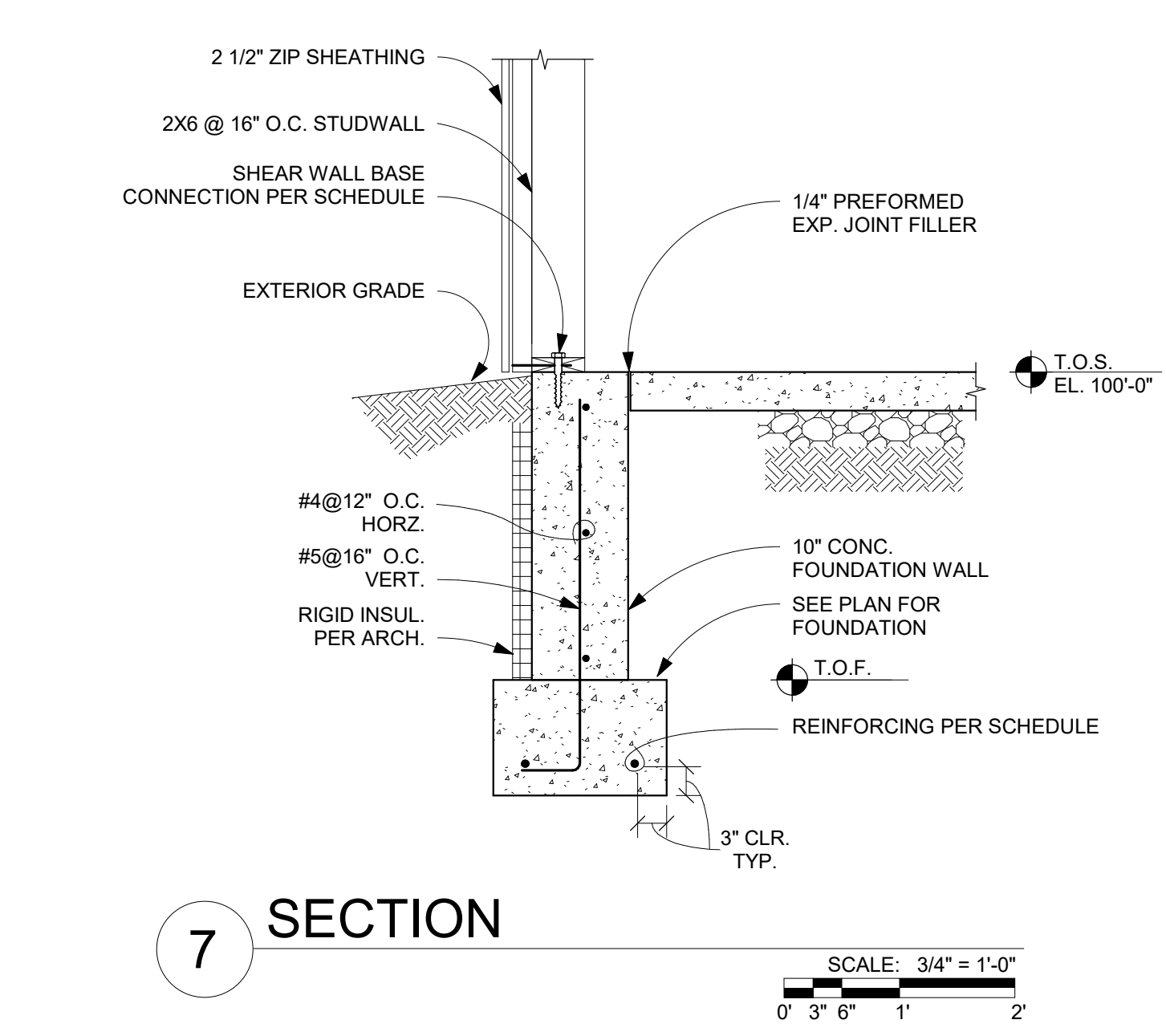
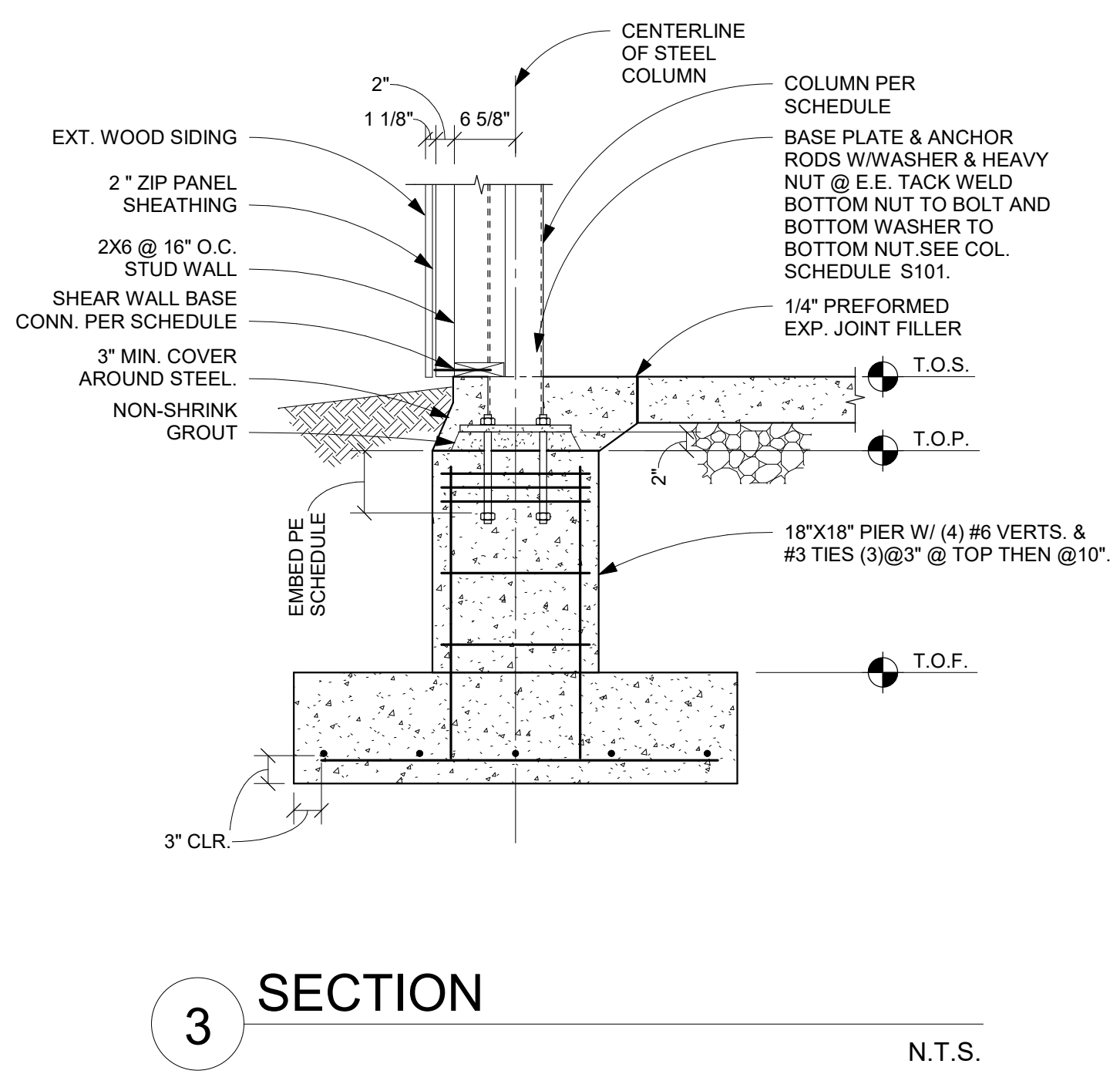
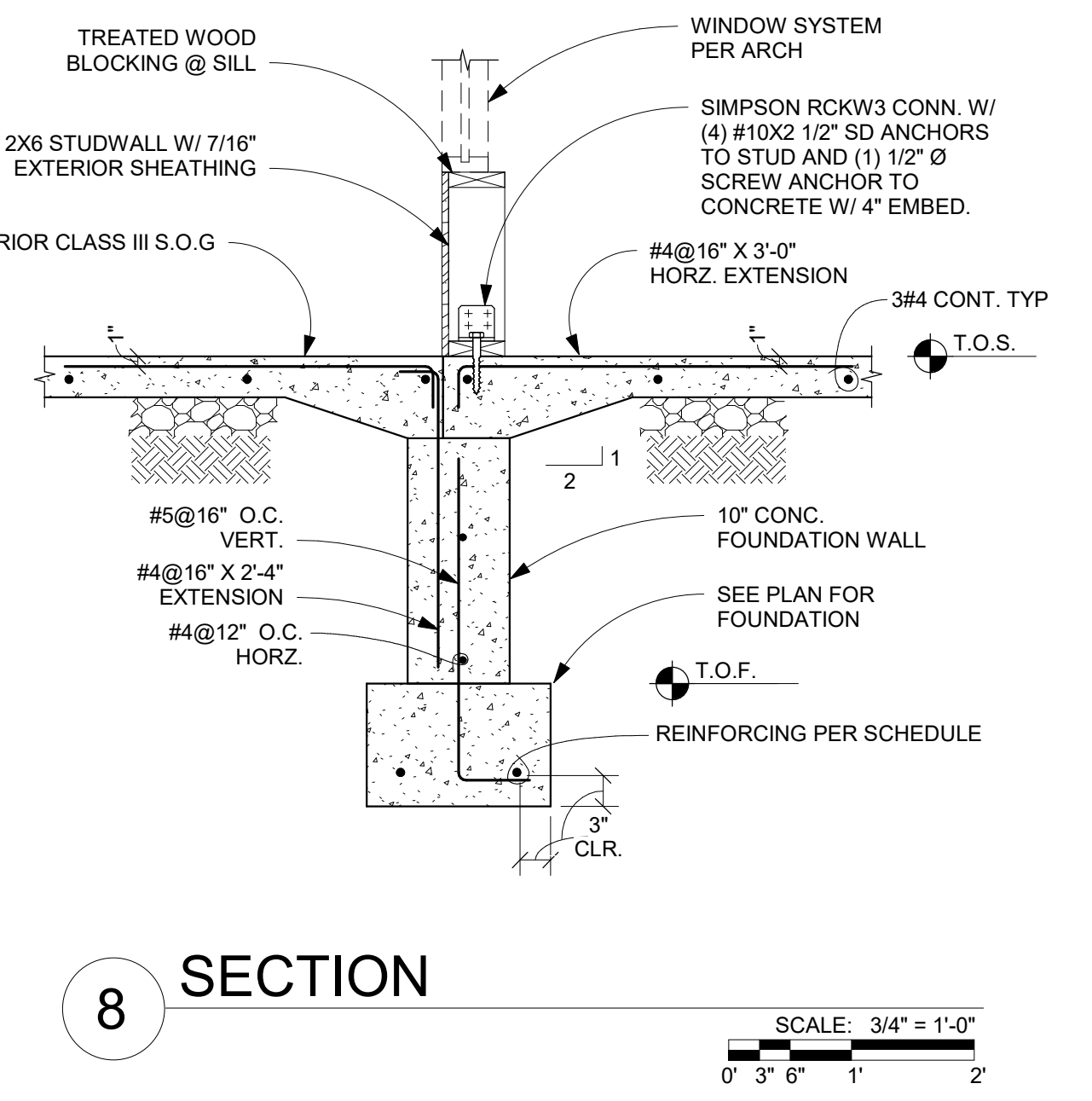
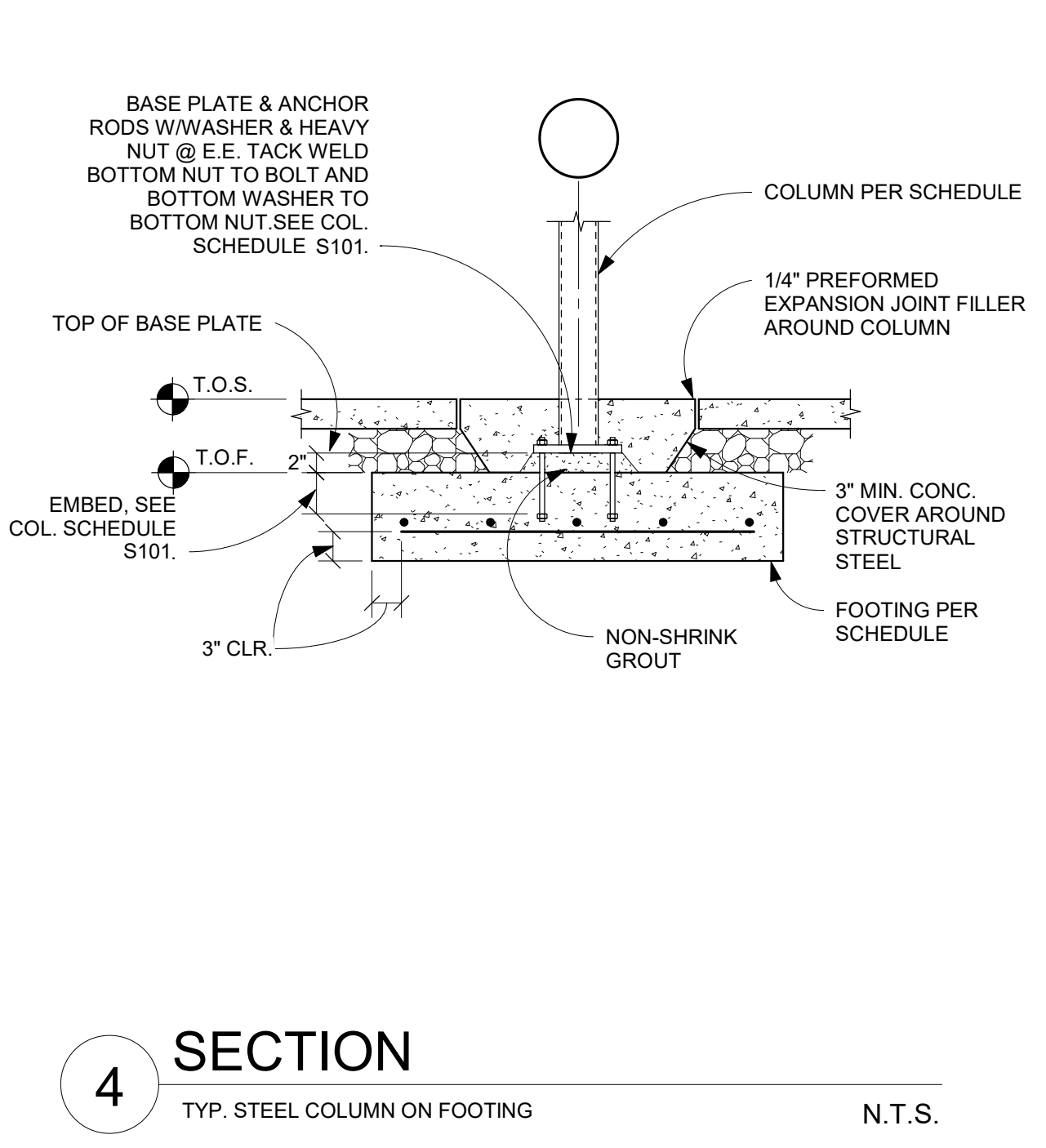
6844 Bale Kenyon Rd
 Lewis Center, OH 43035



FOUNDATION
 DETAILS

Structural
S511
 11/25/2024
 23070

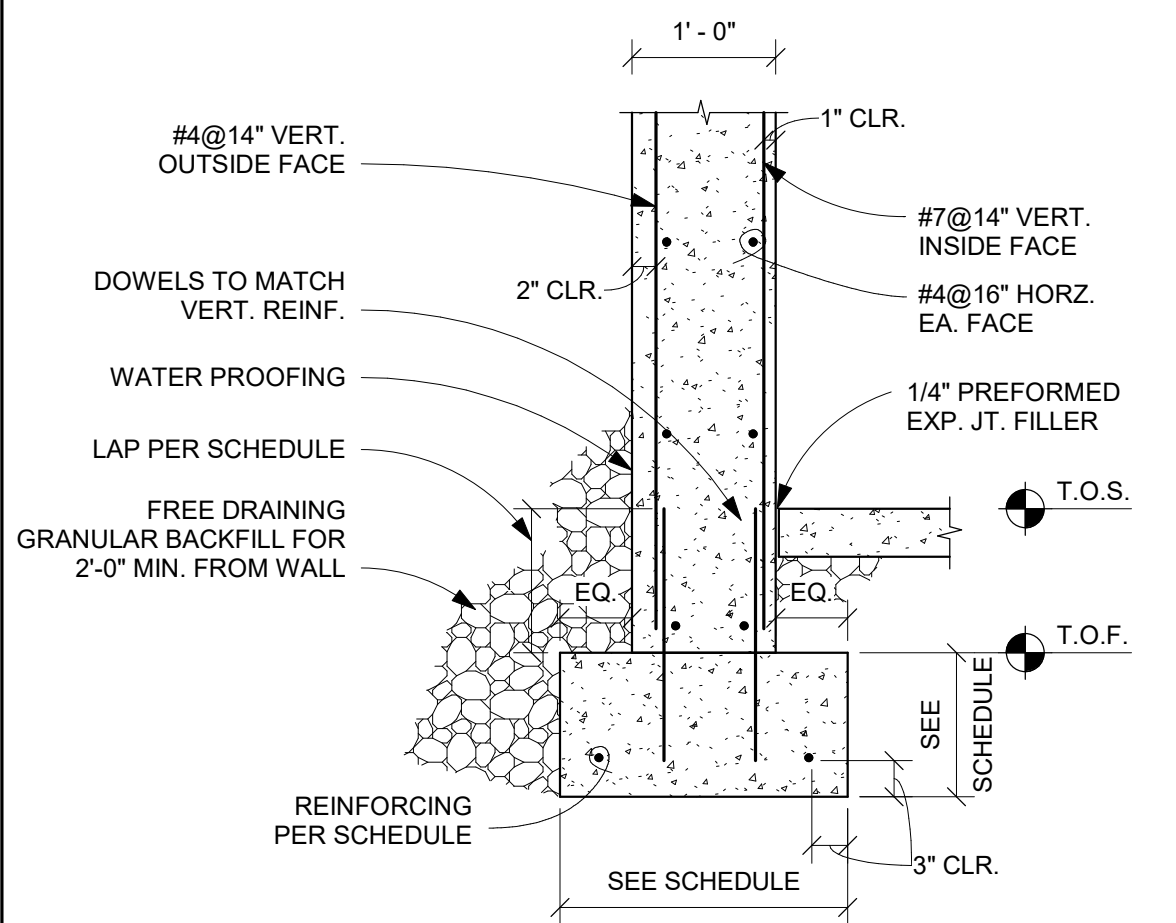
KORDA
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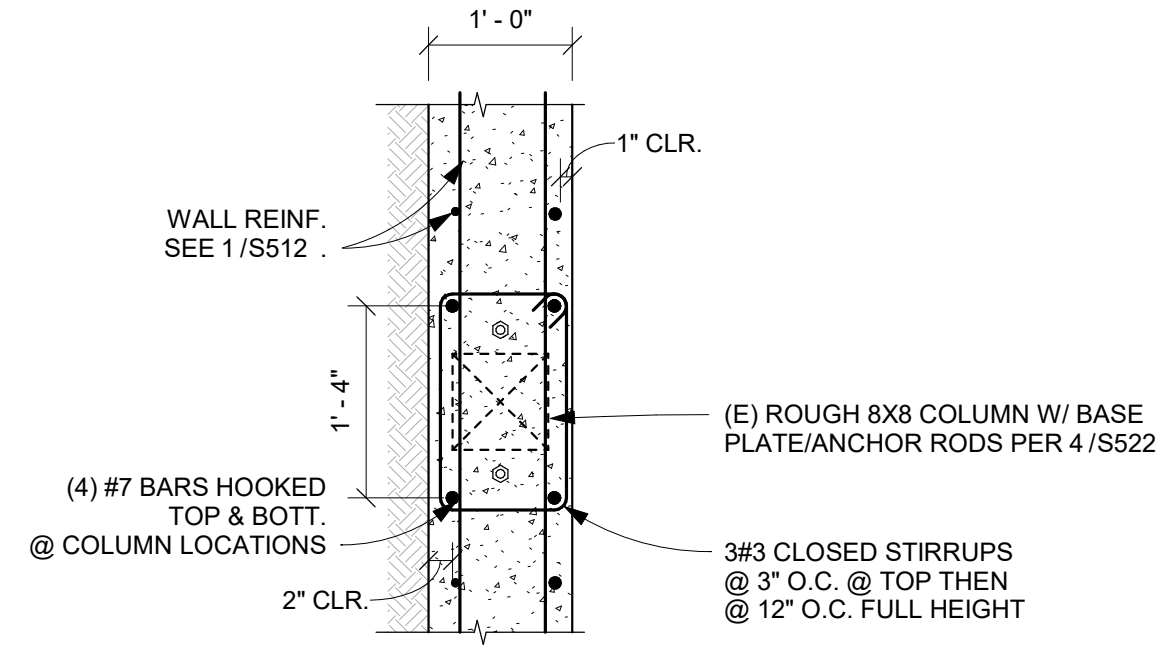
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Design Development Submittal	11/17/2023
50% Construction Documents	08/15/2024
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Bid Set / Permit Set	02/14/2025

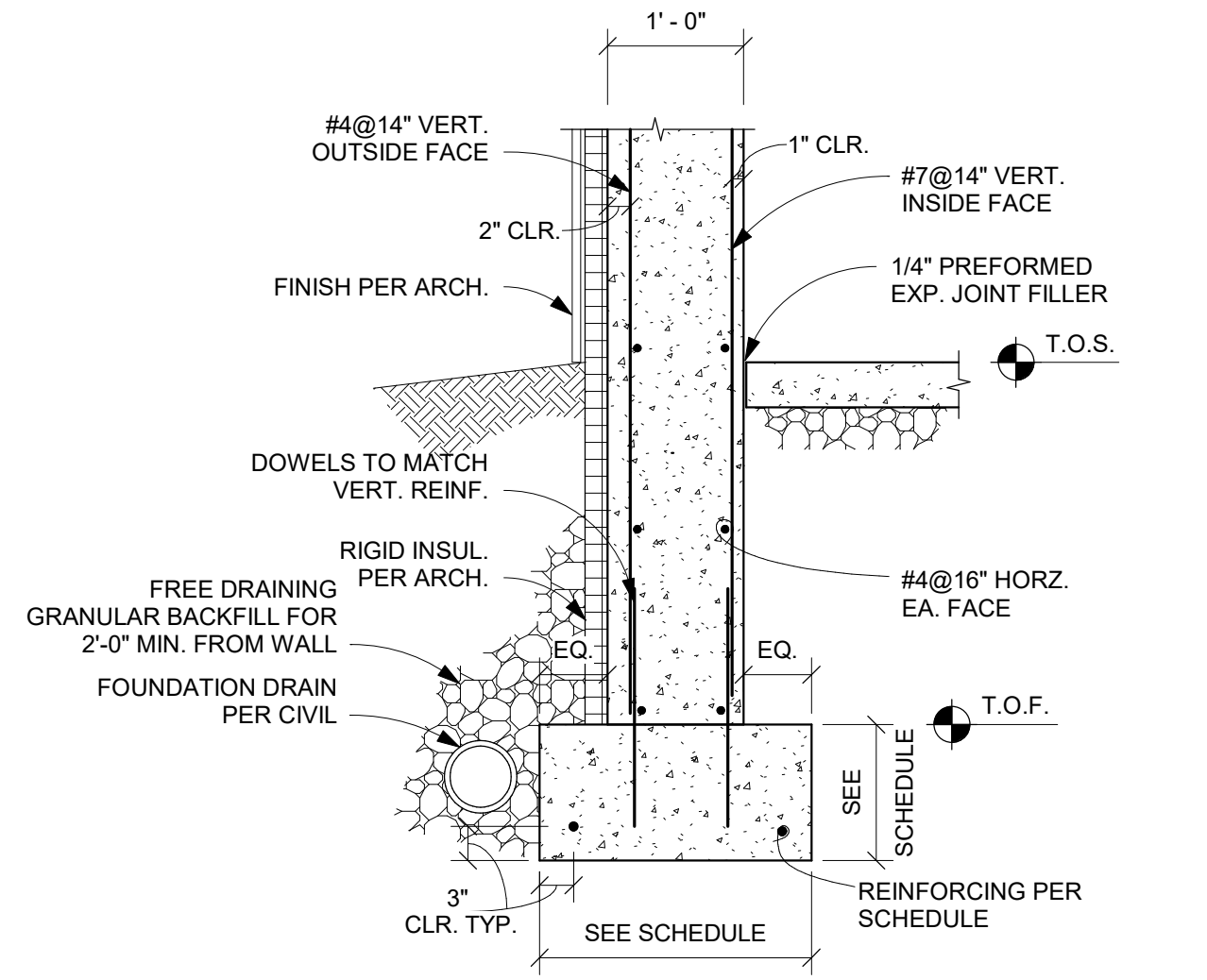
Revision Schedule		
#	Description	Date



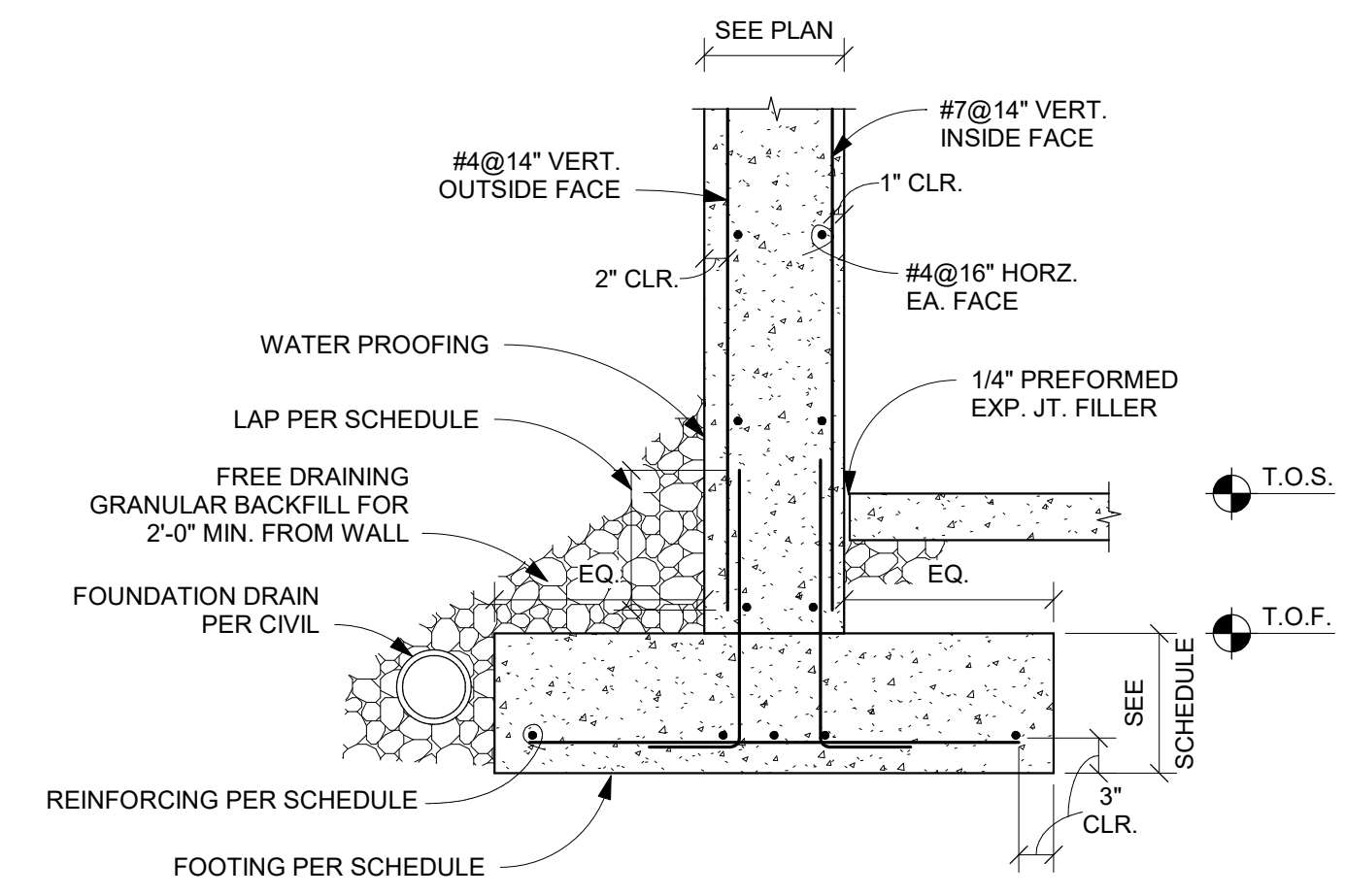
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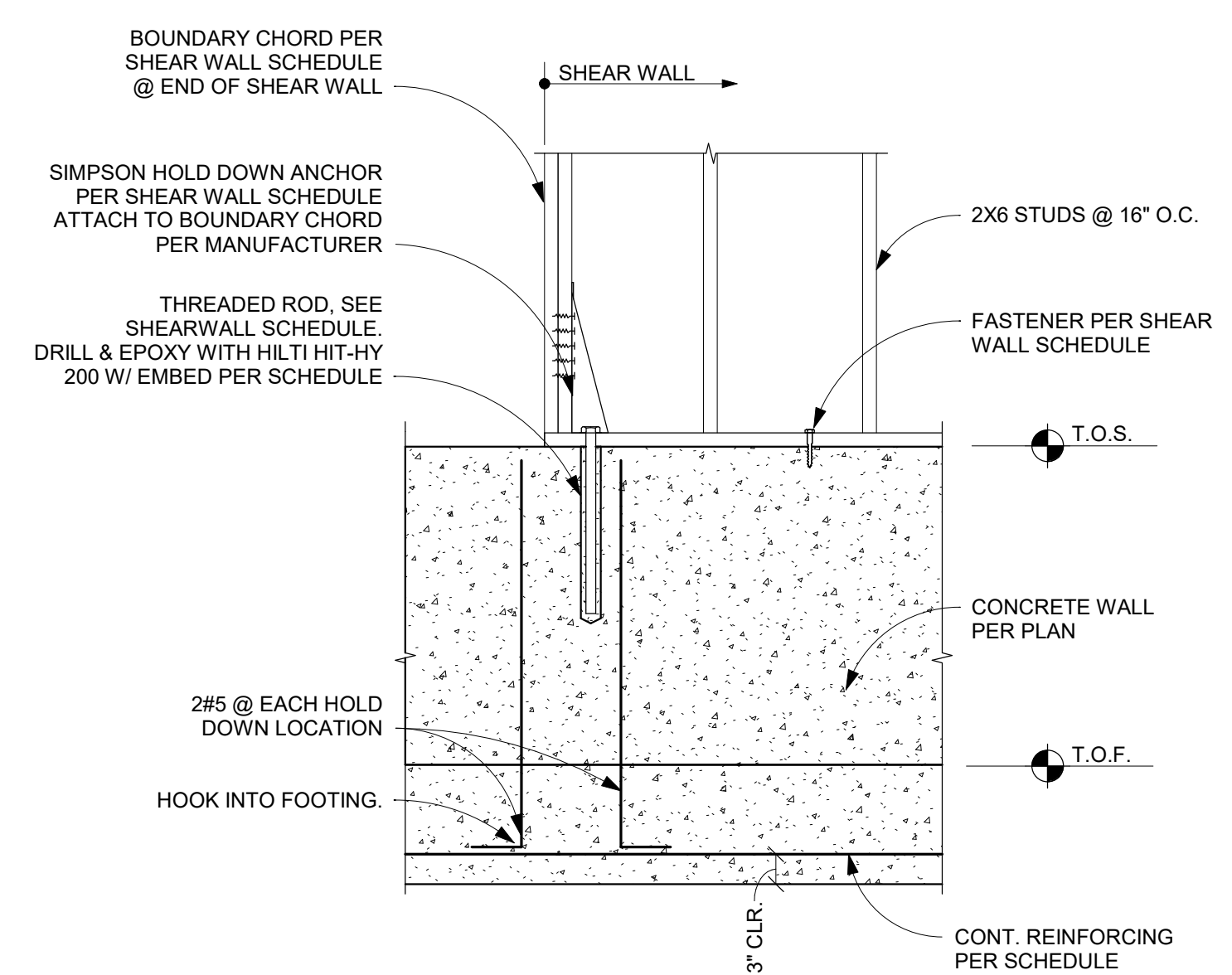
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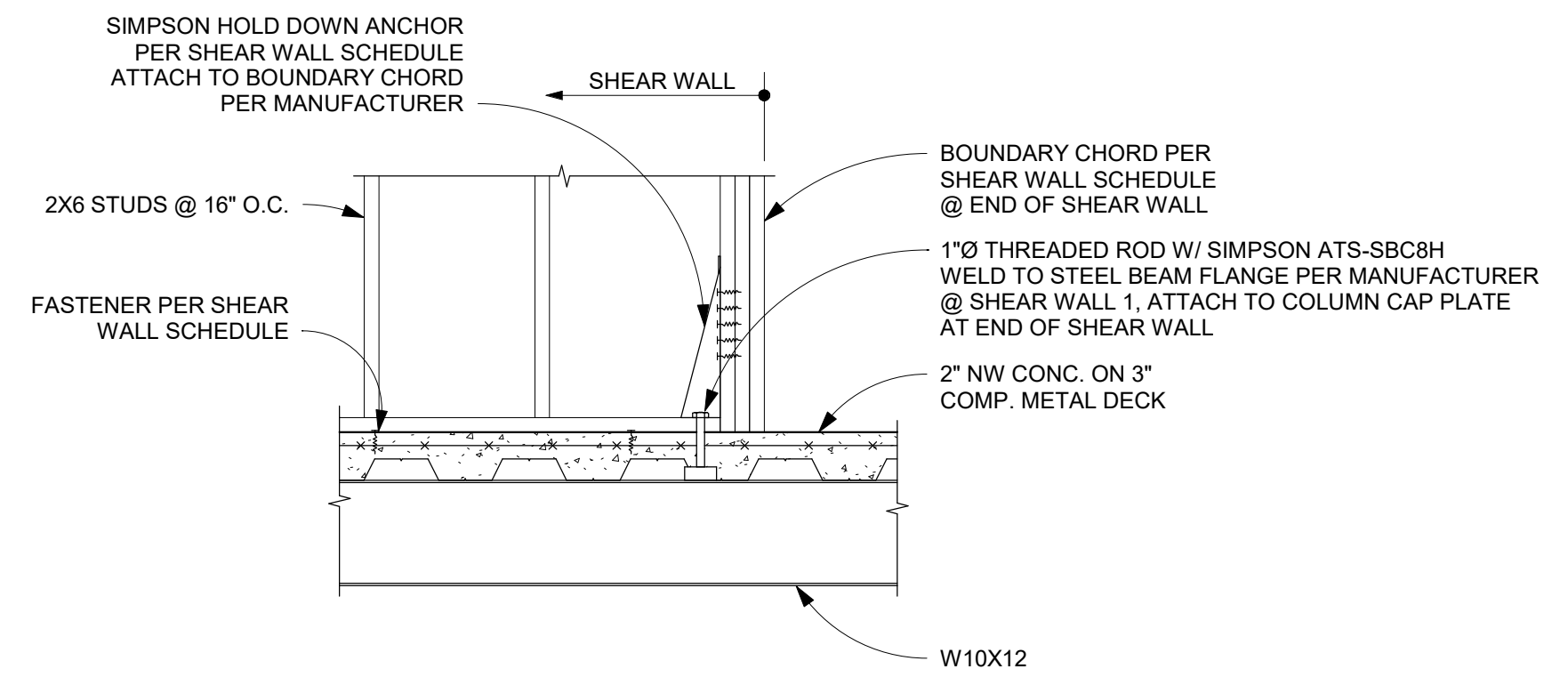
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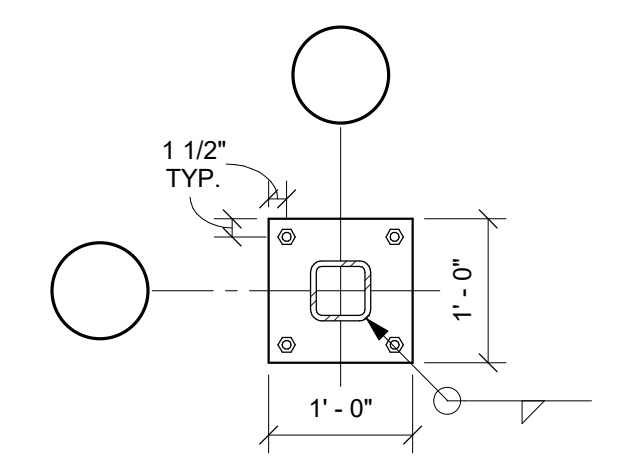
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5 SECTION
 TYP. @ SHEAR WALL HOLD-DOWN @ NEW STUD WALLS
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 0' 3' 6' 1' 2'



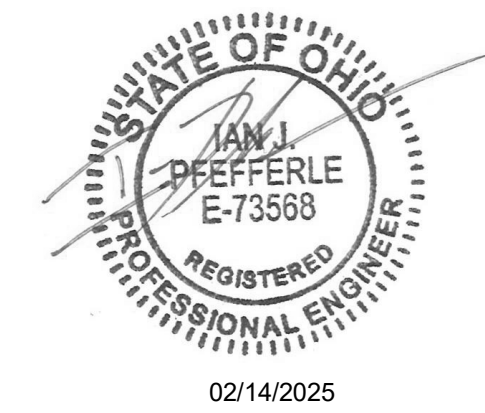
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 0' 3' 6' 1' 2'



7 PLAN DETAIL
 TYP. COLUMN BASE PLATE
 N.T.S.

Bicentennial Barn - McCammon Creek Park

6844 Bale Kenyon Rd
 Lewis Center, OH 43035



FOUNDATION DETAILS

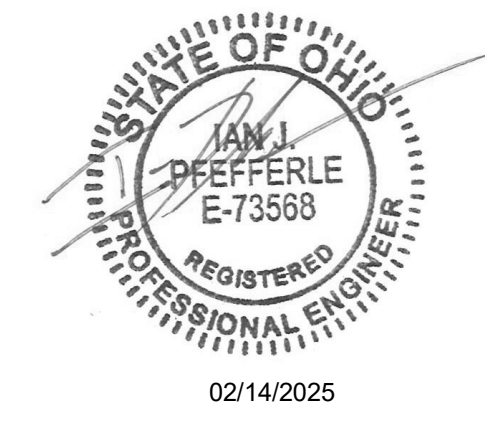
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Structural
S512
 11/25/2024
 23070

Revision Schedule		
#	Description	Date

Bicentennial Barn - McCammon Creek Park

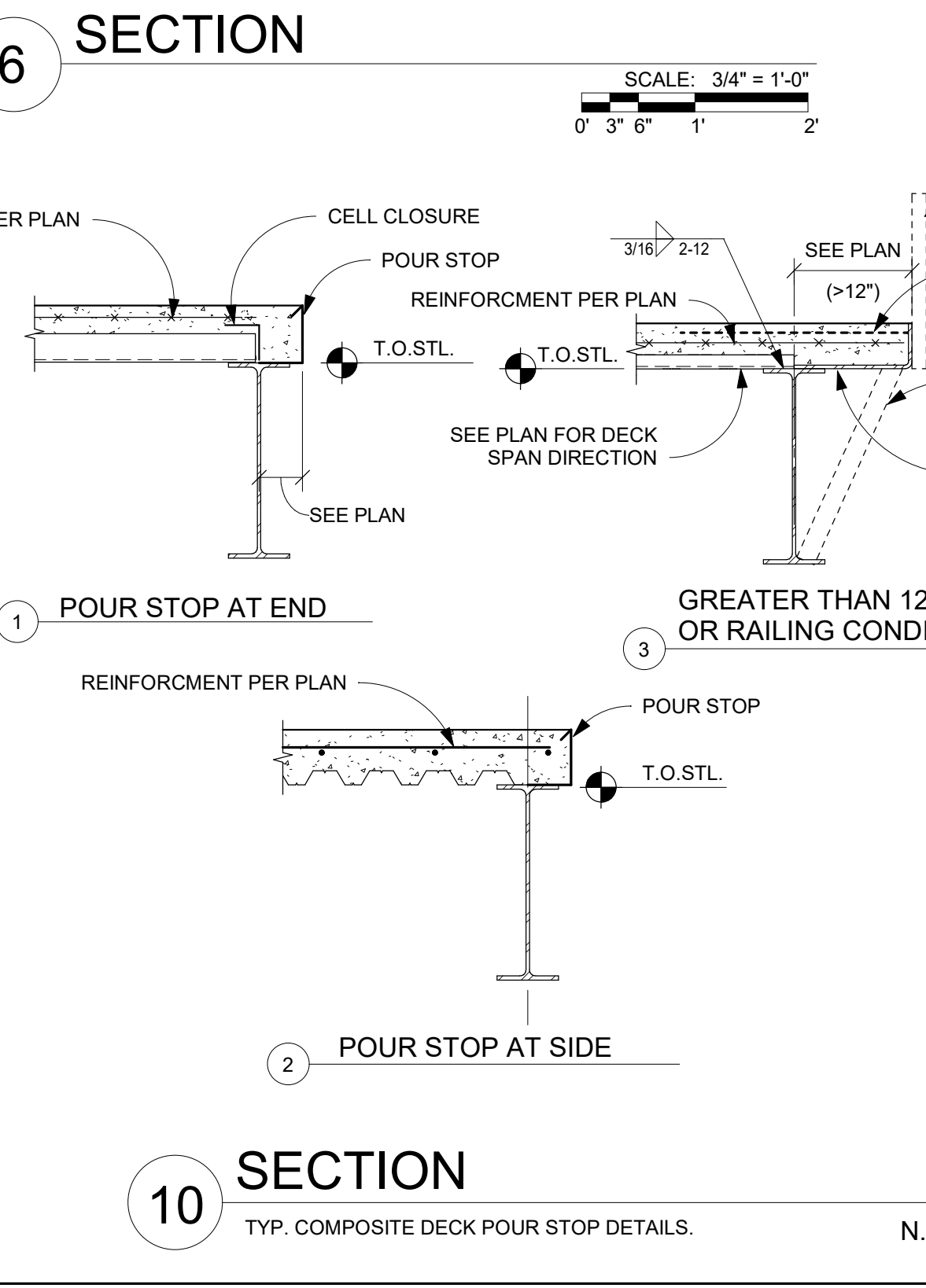
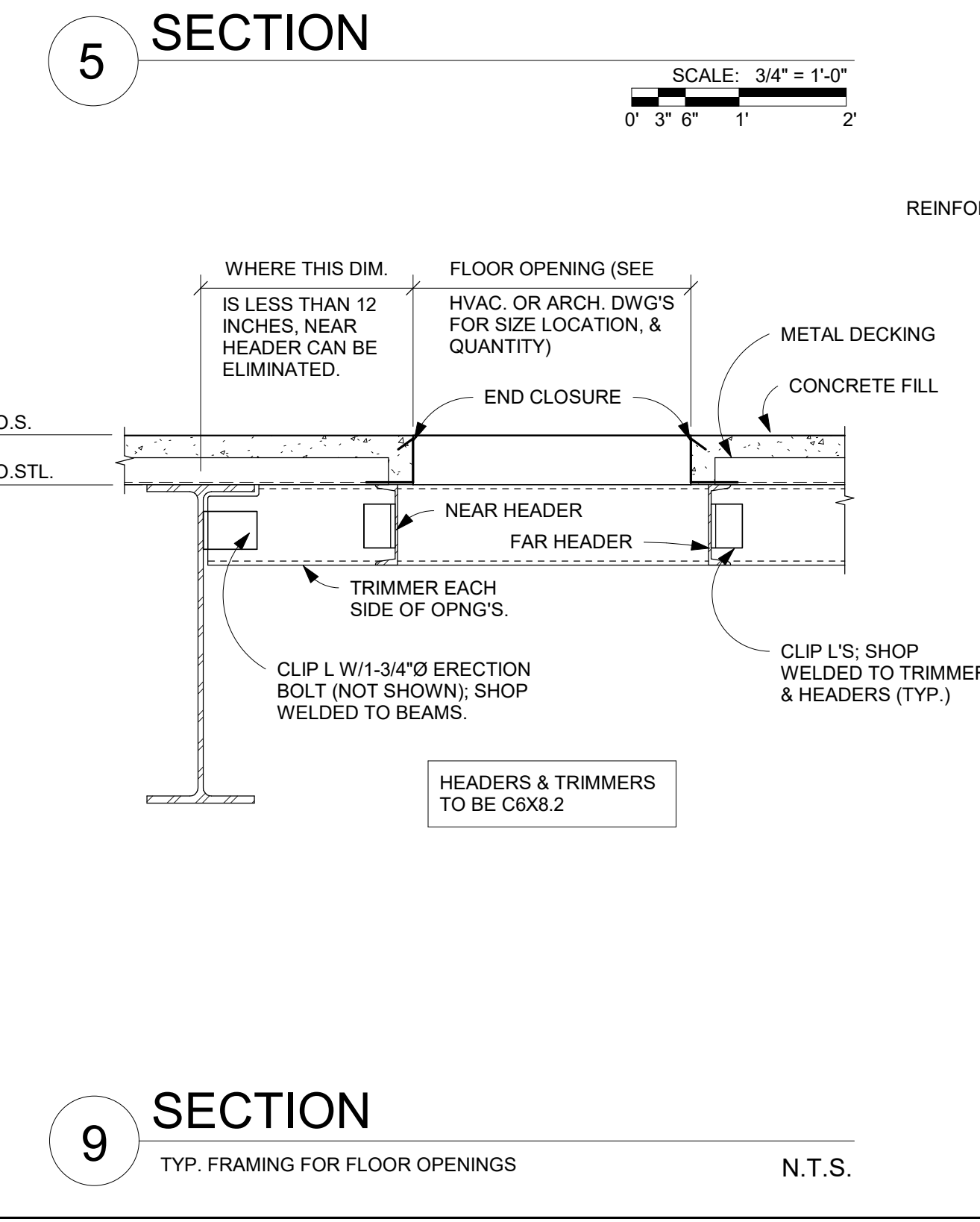
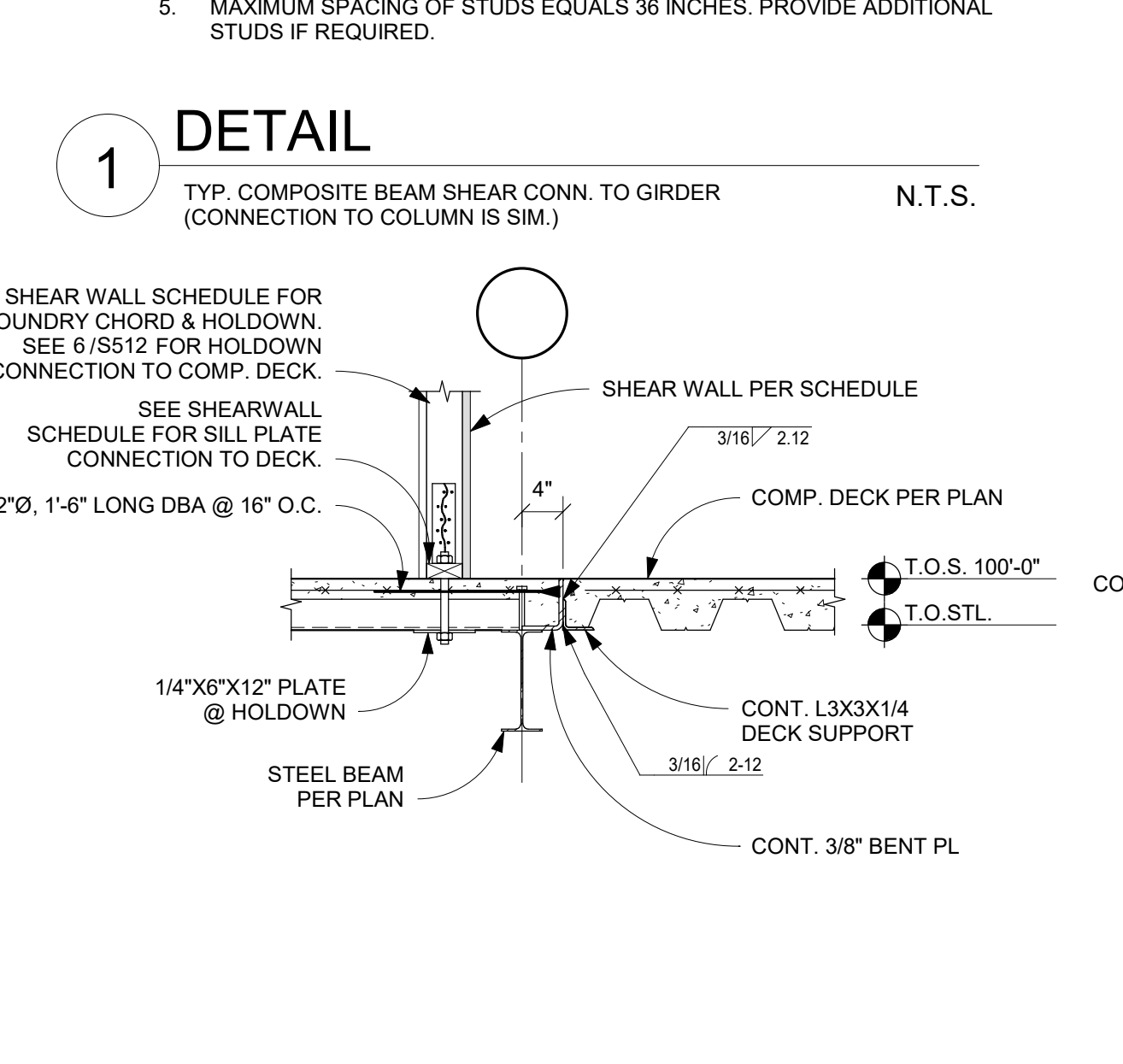
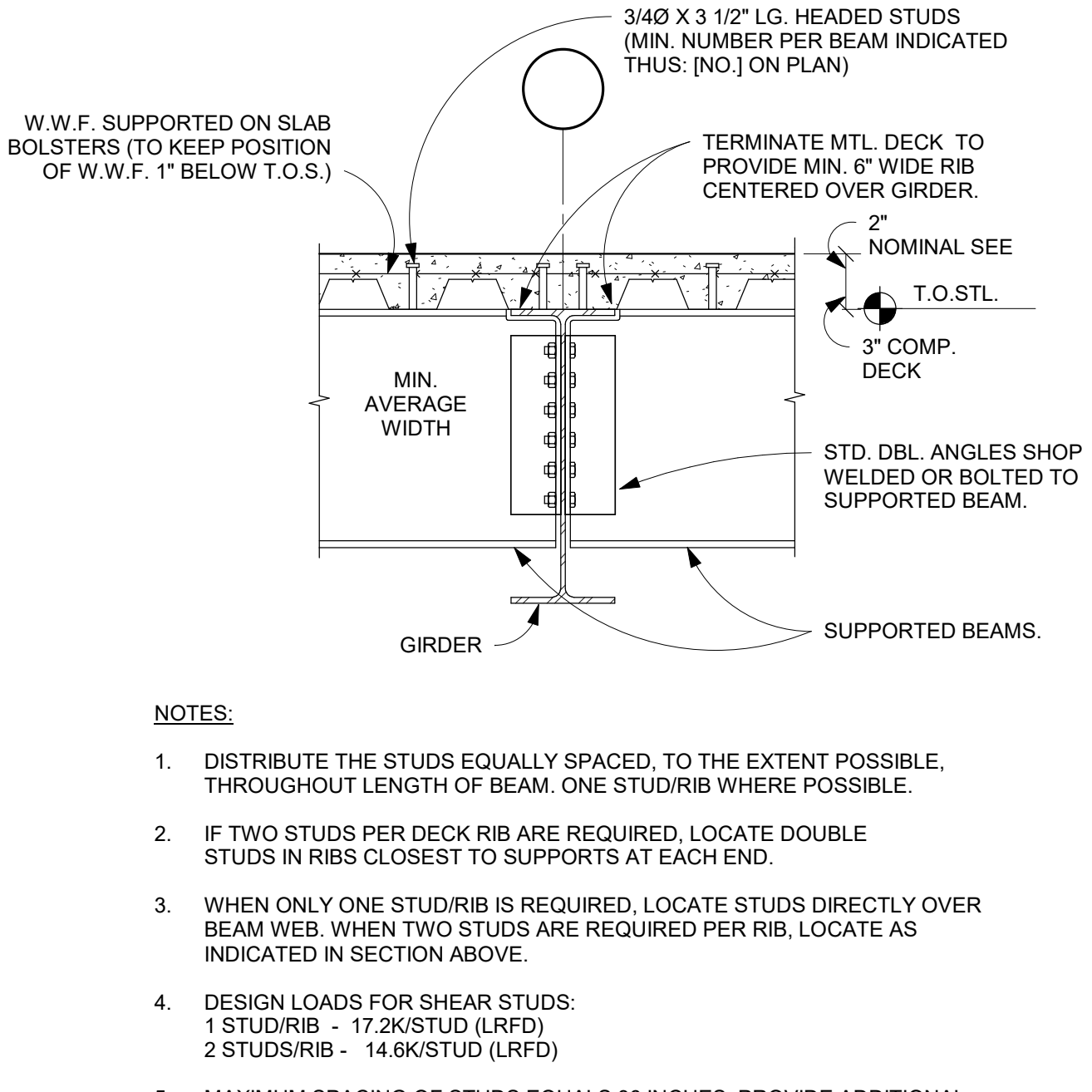
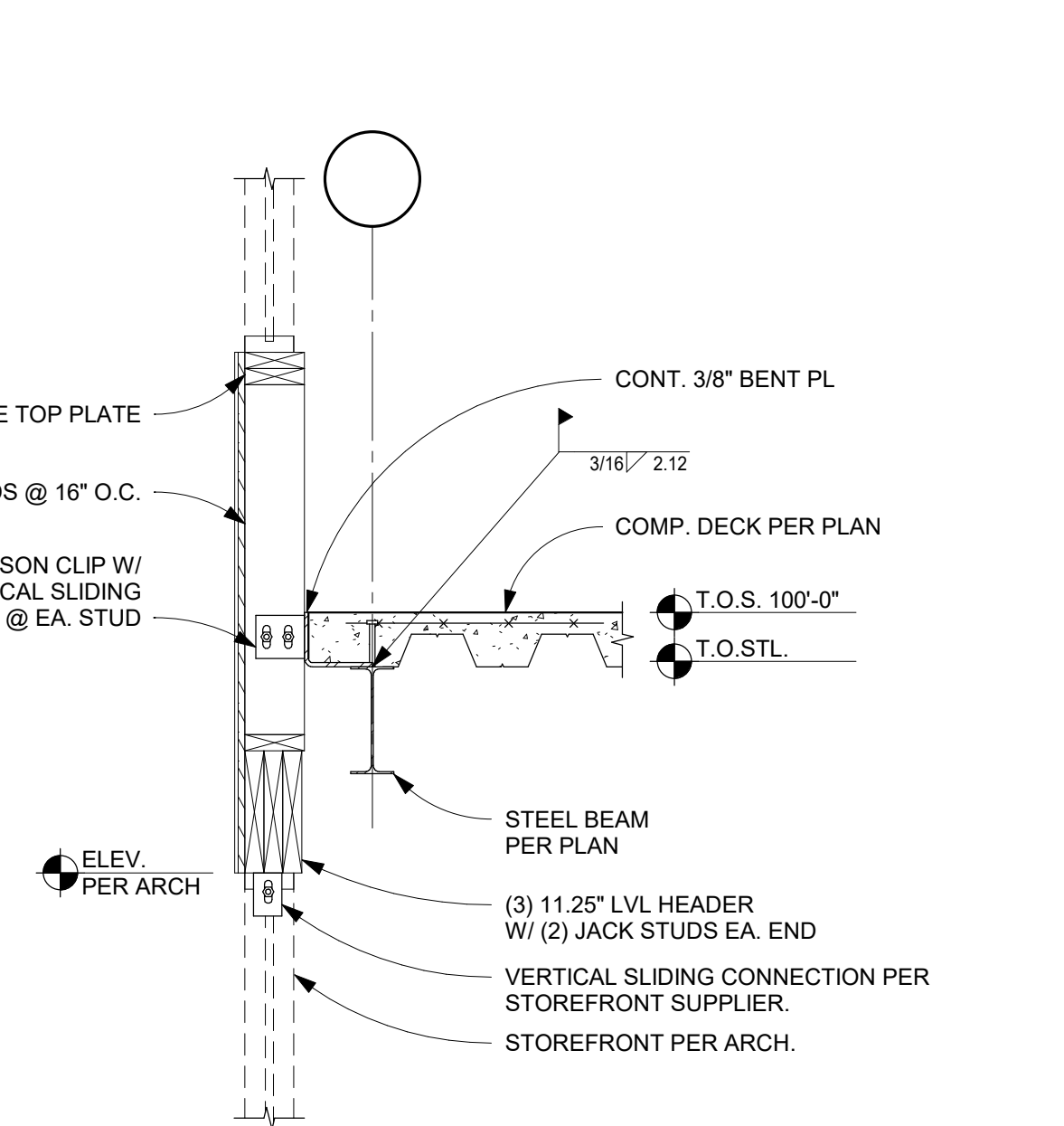
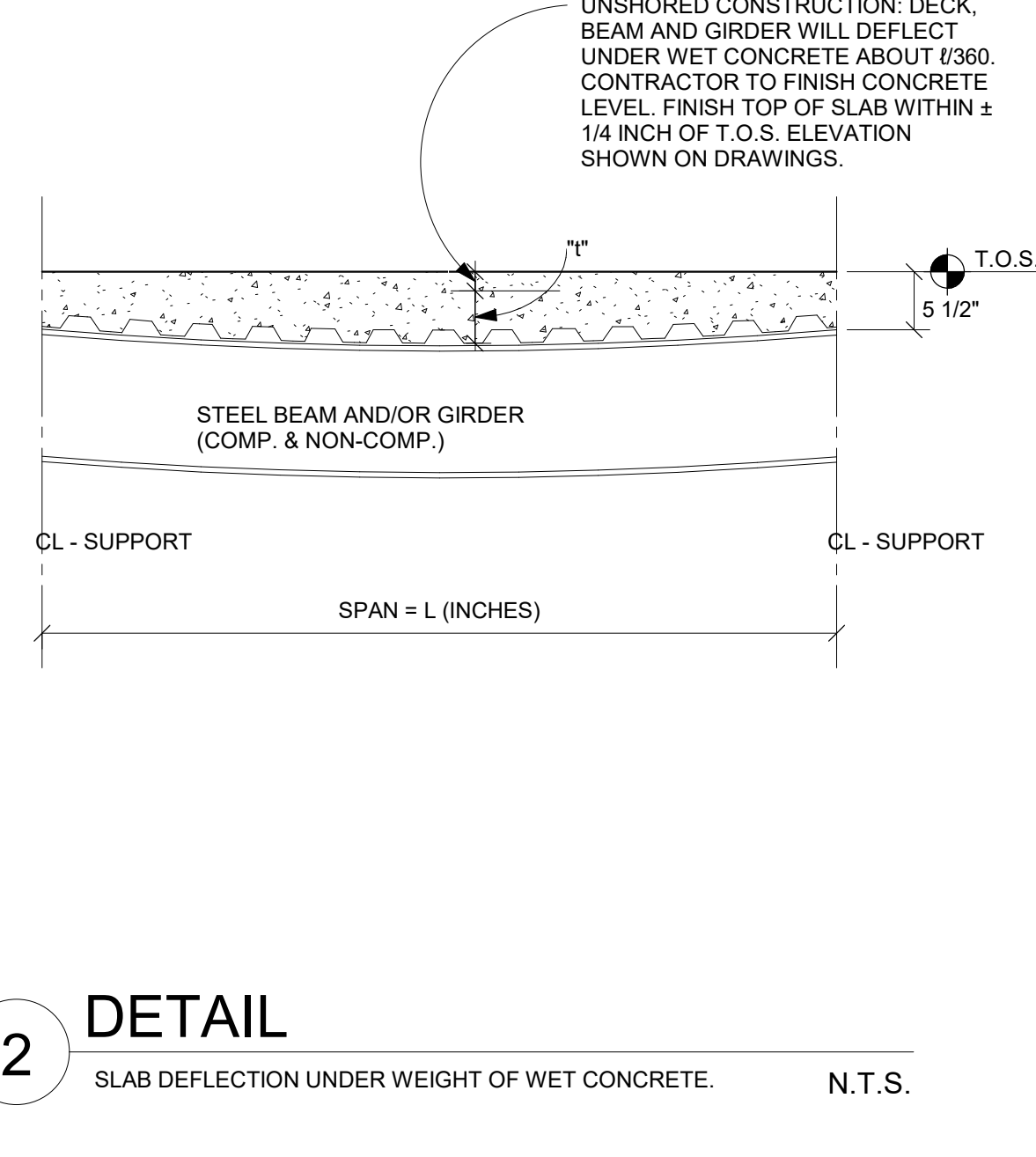
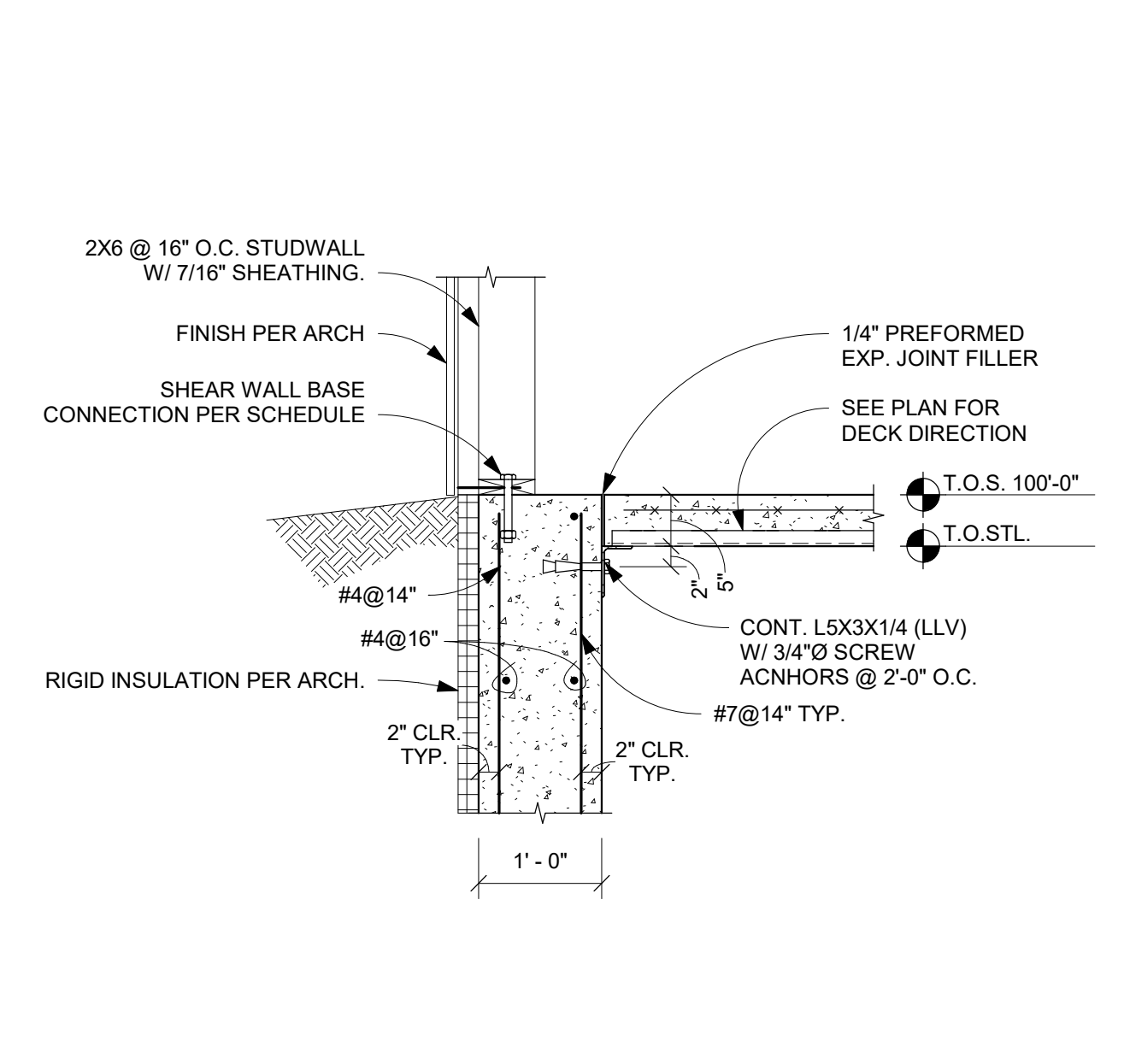
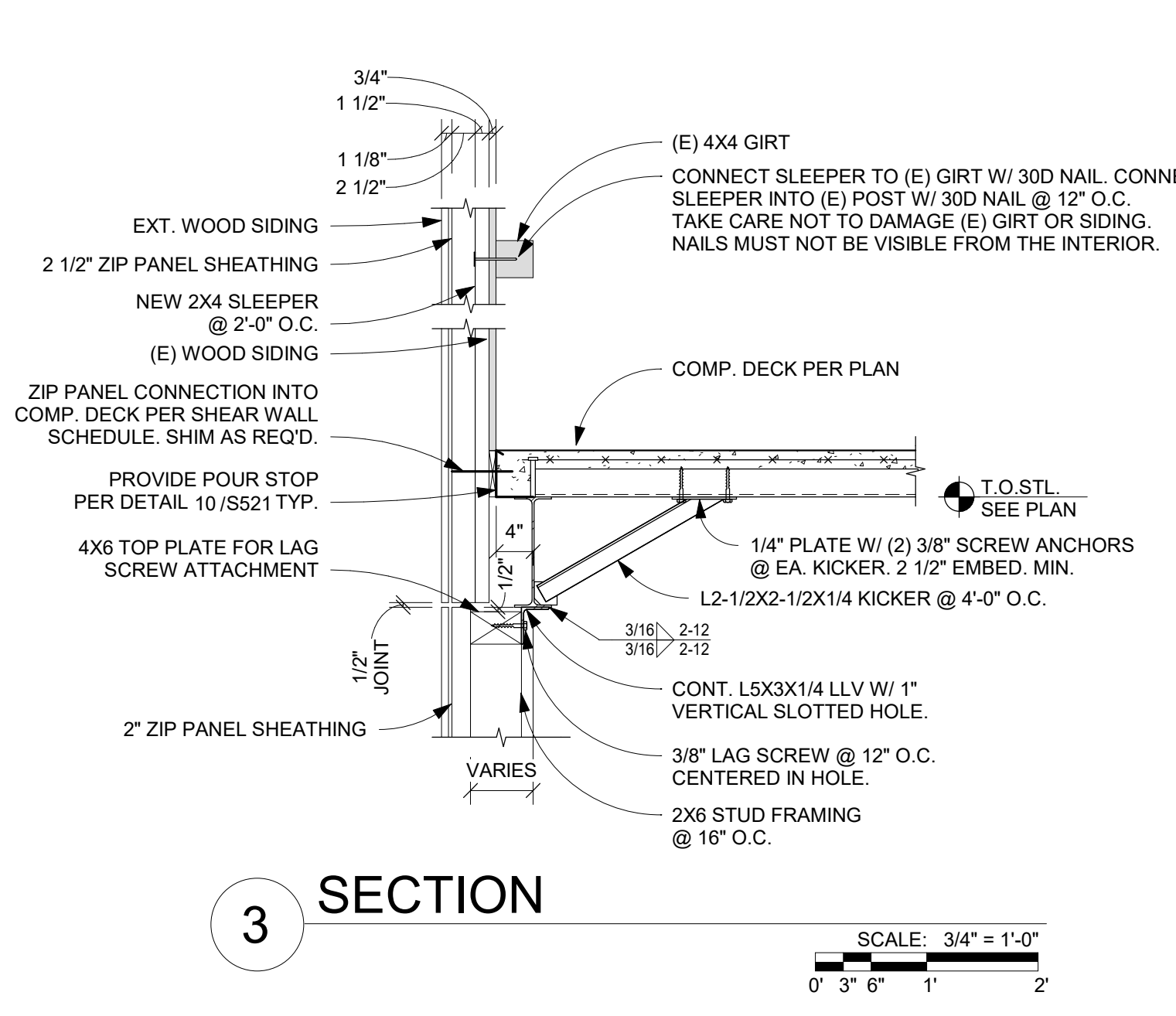
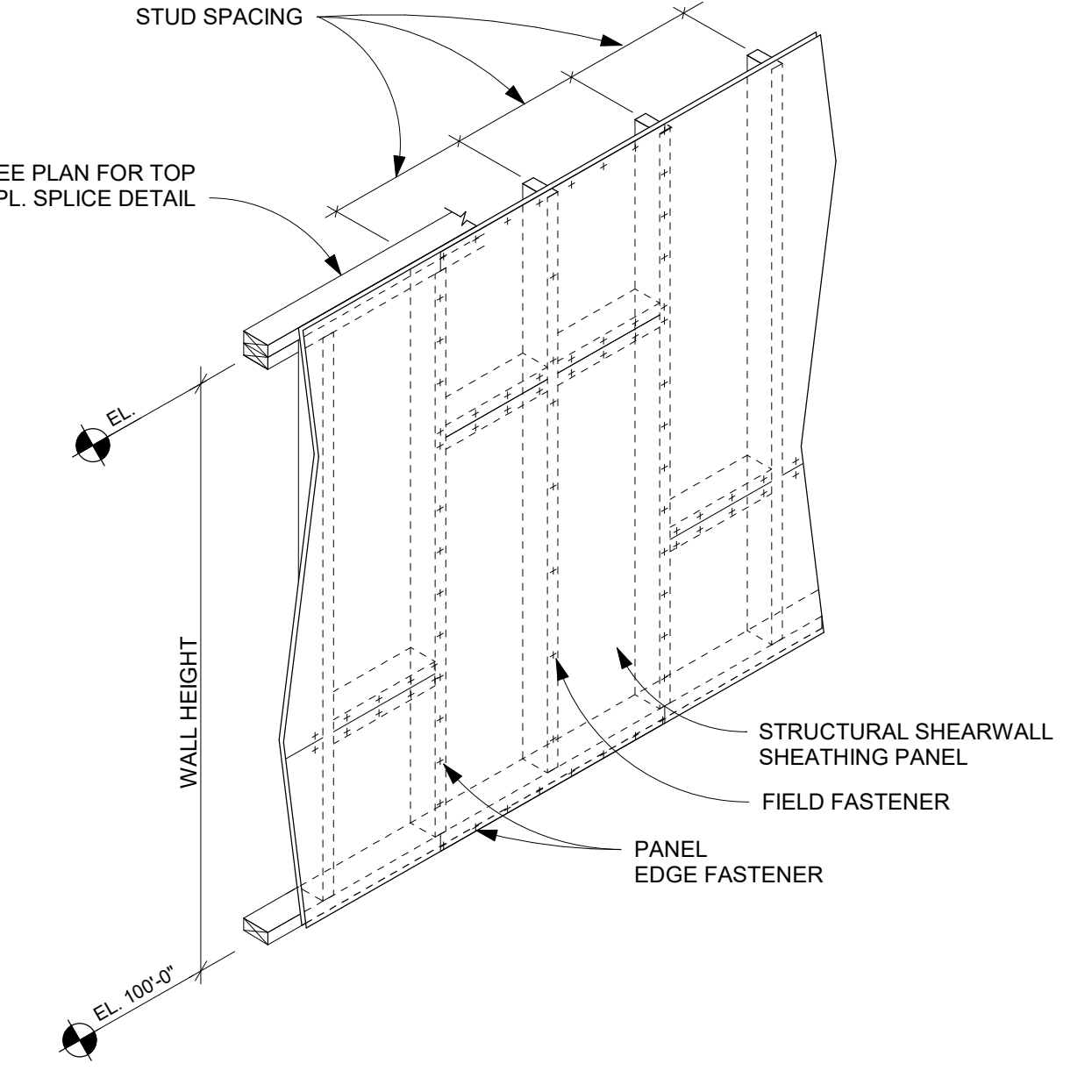
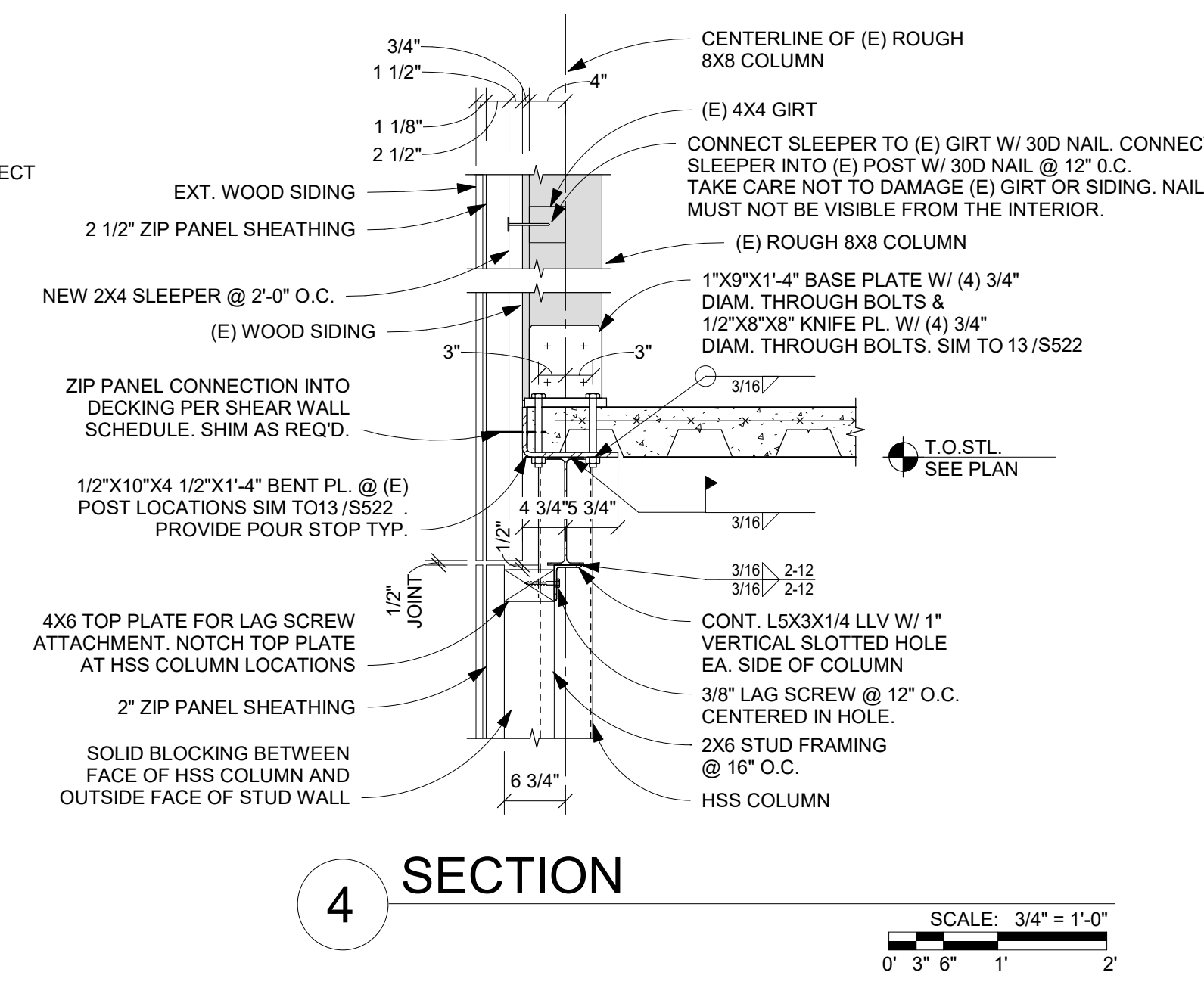
6844 Bale Kenyon Rd
 Lewis Center, OH 43035



FRAMING DETAILS

Structural
S521
 11/25/2024
 23070

KORDA
 KORDA NEMETH ENGINEERING
 1650 WATERMARK DRIVE
 SUITE 200
 COLUMBUS, OHIO 43215
 DRAWN BY: WRH
 DESIGNED BY: CKP
 CHECKED BY: IJP
 PROJECT NUMBER: 2023-0006

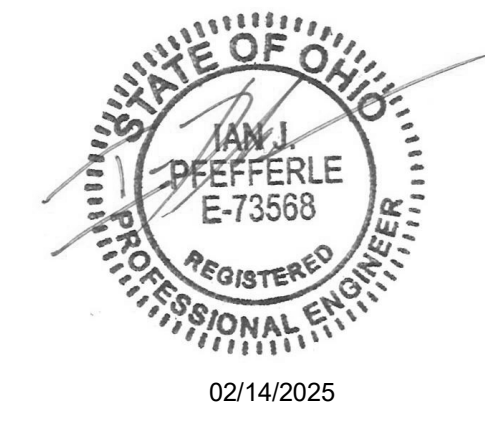


- NOTES:
- DISTRIBUTE THE STUDS EQUALLY SPACED, TO THE EXTENT POSSIBLE, THROUGHOUT LENGTH OF BEAM. ONE STUD/RIB WHERE POSSIBLE.
 - IF TWO STUDS PER DECK RIB ARE REQUIRED, LOCATE DOUBLE STUDS IN RIBS CLOSEST TO SUPPORTS AT EACH END.
 - WHEN ONLY ONE STUD/RIB IS REQUIRED, LOCATE STUDS DIRECTLY OVER BEAM WEB. WHEN TWO STUDS ARE REQUIRED PER RIB, LOCATE AS INDICATED IN SECTION ABOVE.
 - DESIGN LOADS FOR SHEAR STUDS:
 1 STUD/RIB - 17.2K/STUD (LRFD)
 2 STUDS/RIB - 14.6K/STUD (LRFD)
 - MAXIMUM SPACING OF STUDS EQUALS 36 INCHES. PROVIDE ADDITIONAL STUDS IF REQUIRED.

Revision Schedule		
#	Description	Date

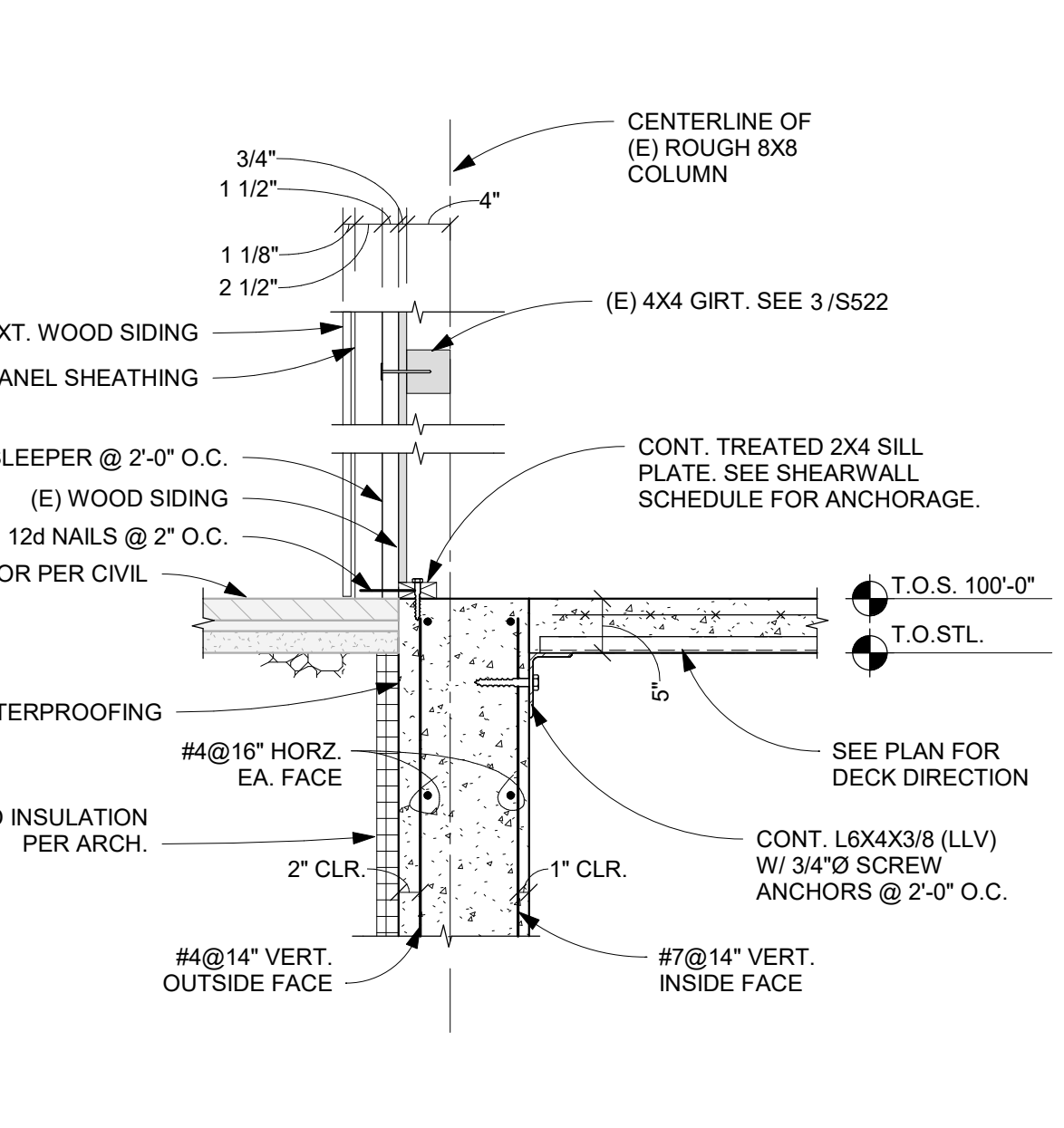
Bicentennial Barn - McCammon Creek Park

6844 Bale Kenyon Rd
 Lewis Center, OH 43035

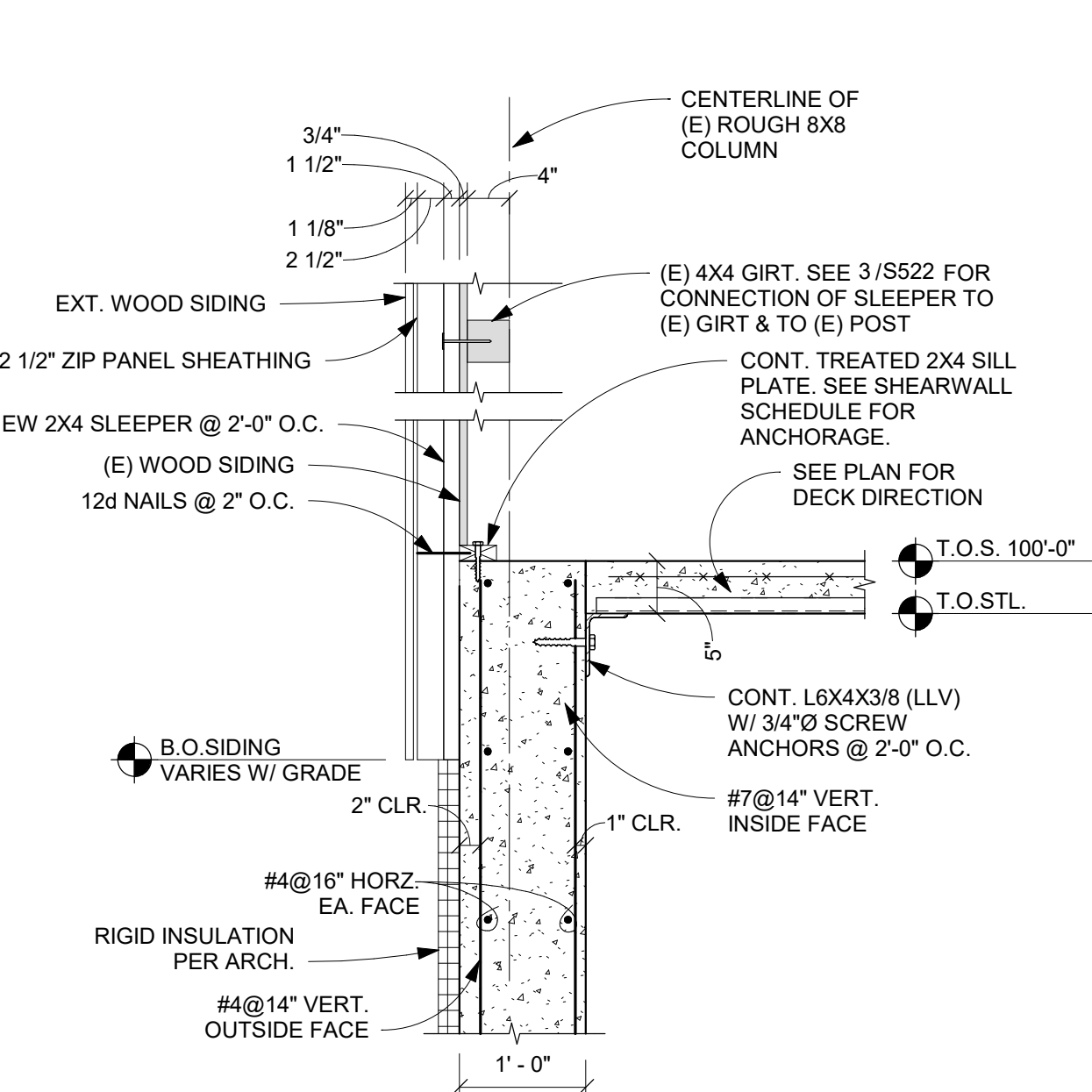


02/14/2025
FRAMING DETAILS

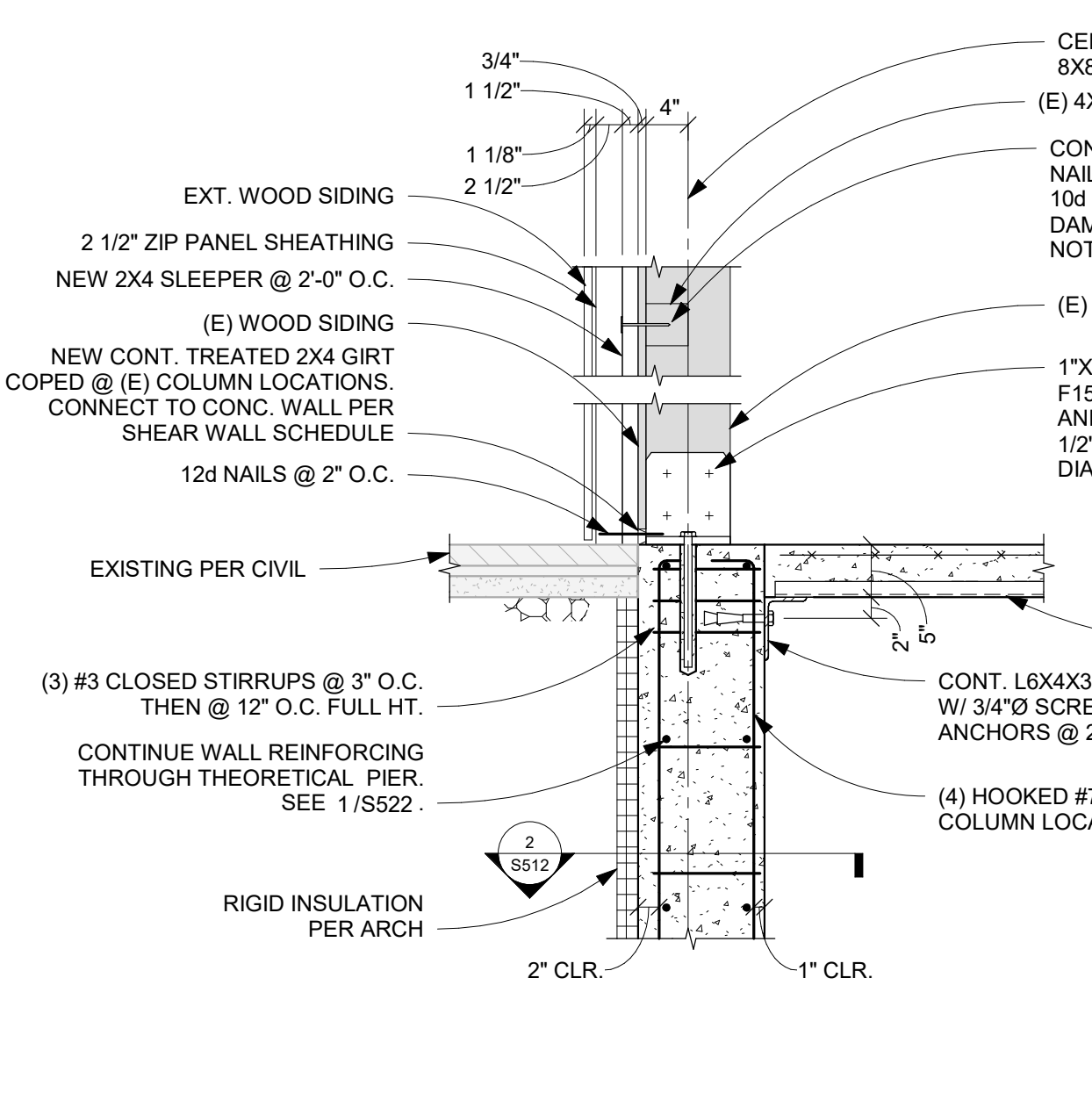
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S522
 11/25/2024
 23070



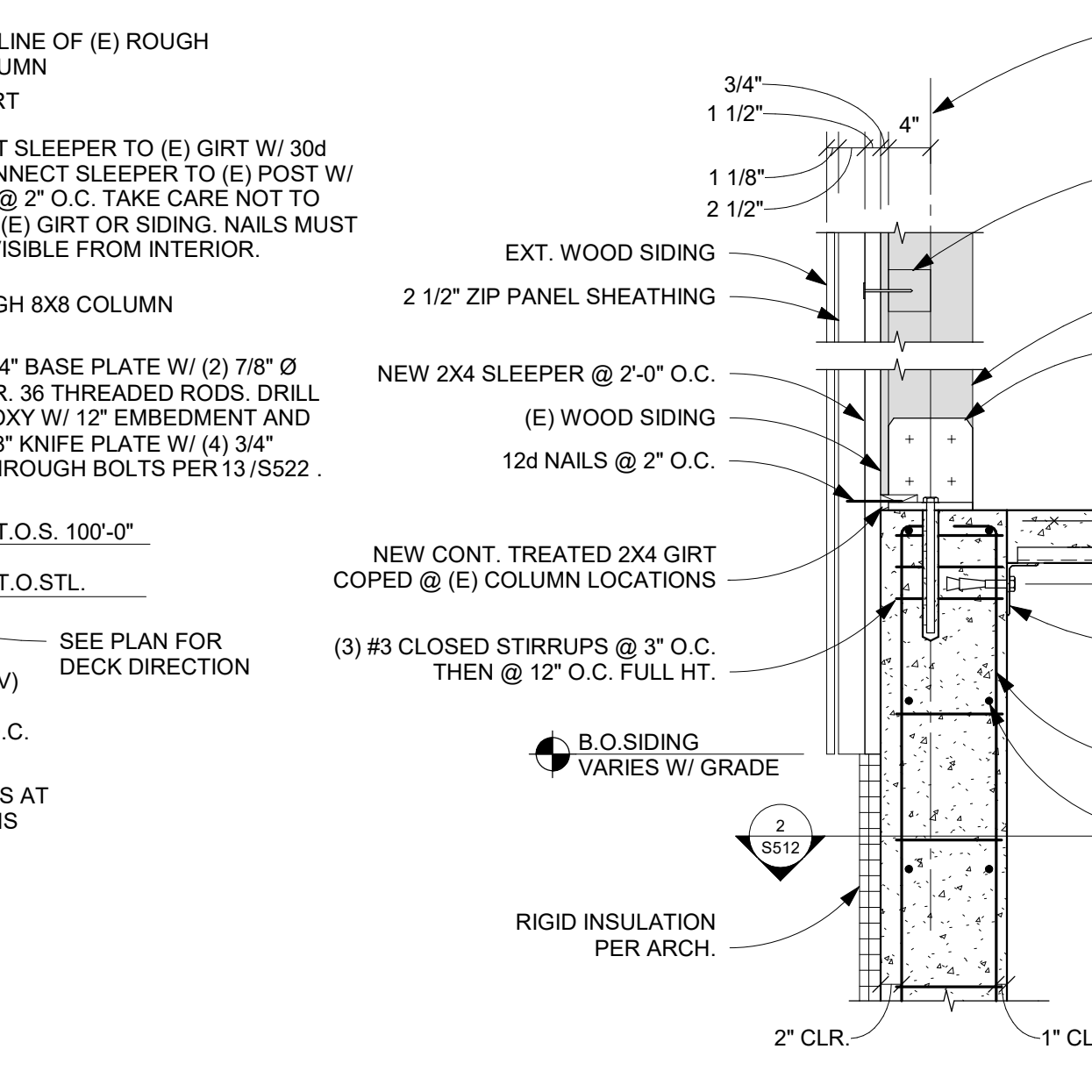
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 SCALE: 3/4" = 1'-0"
 0' 3' 6' 1' 2'



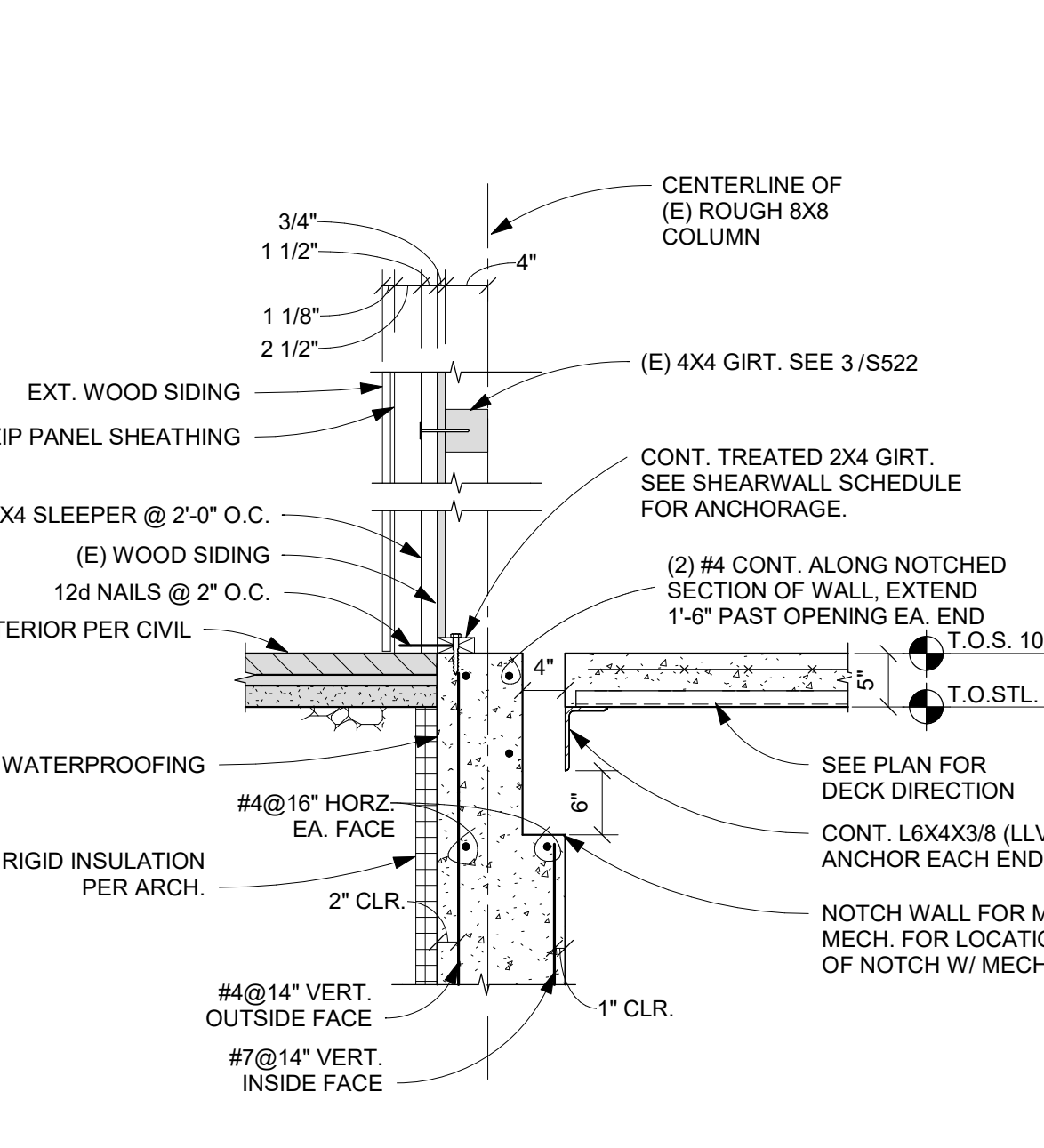
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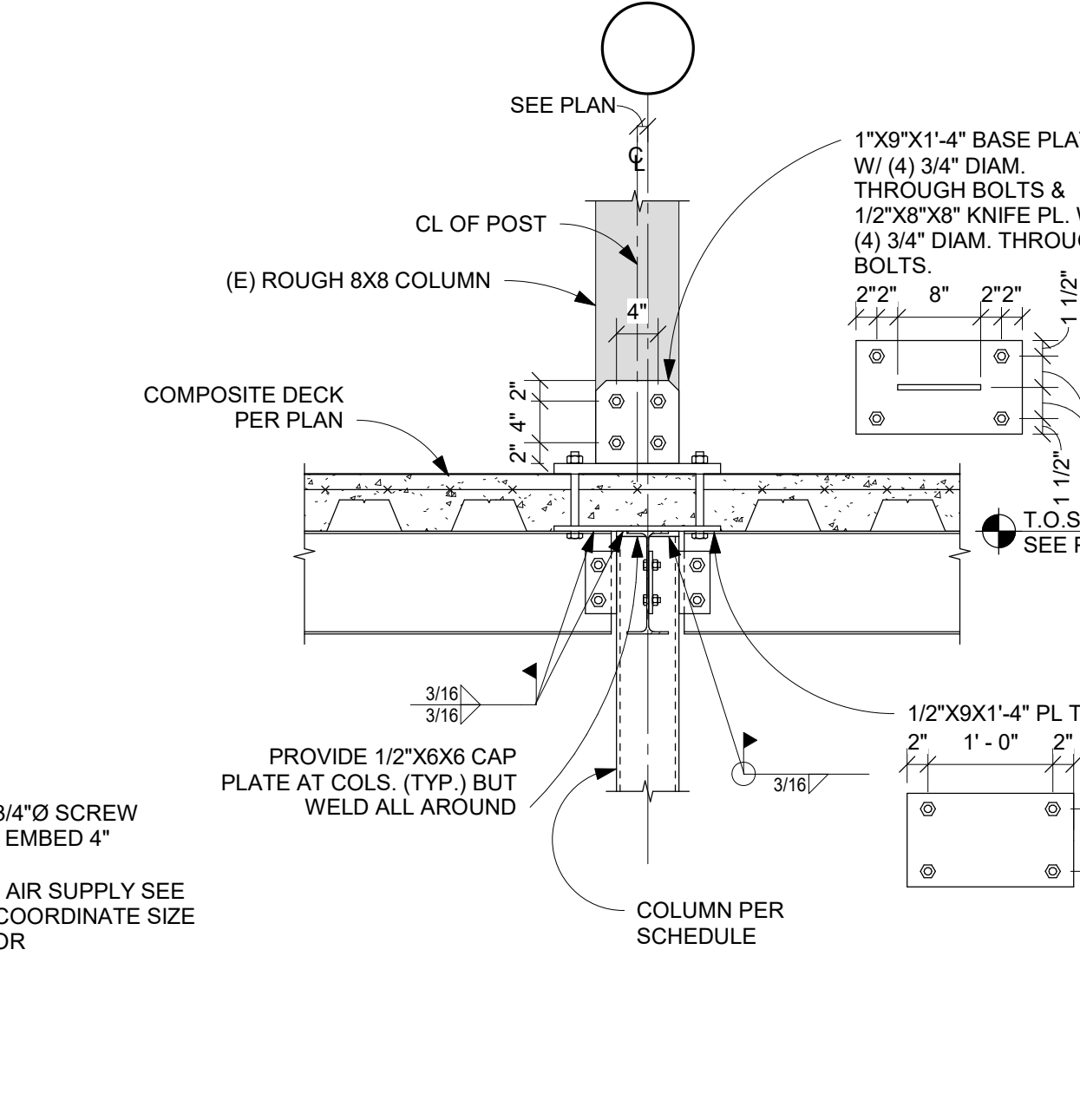
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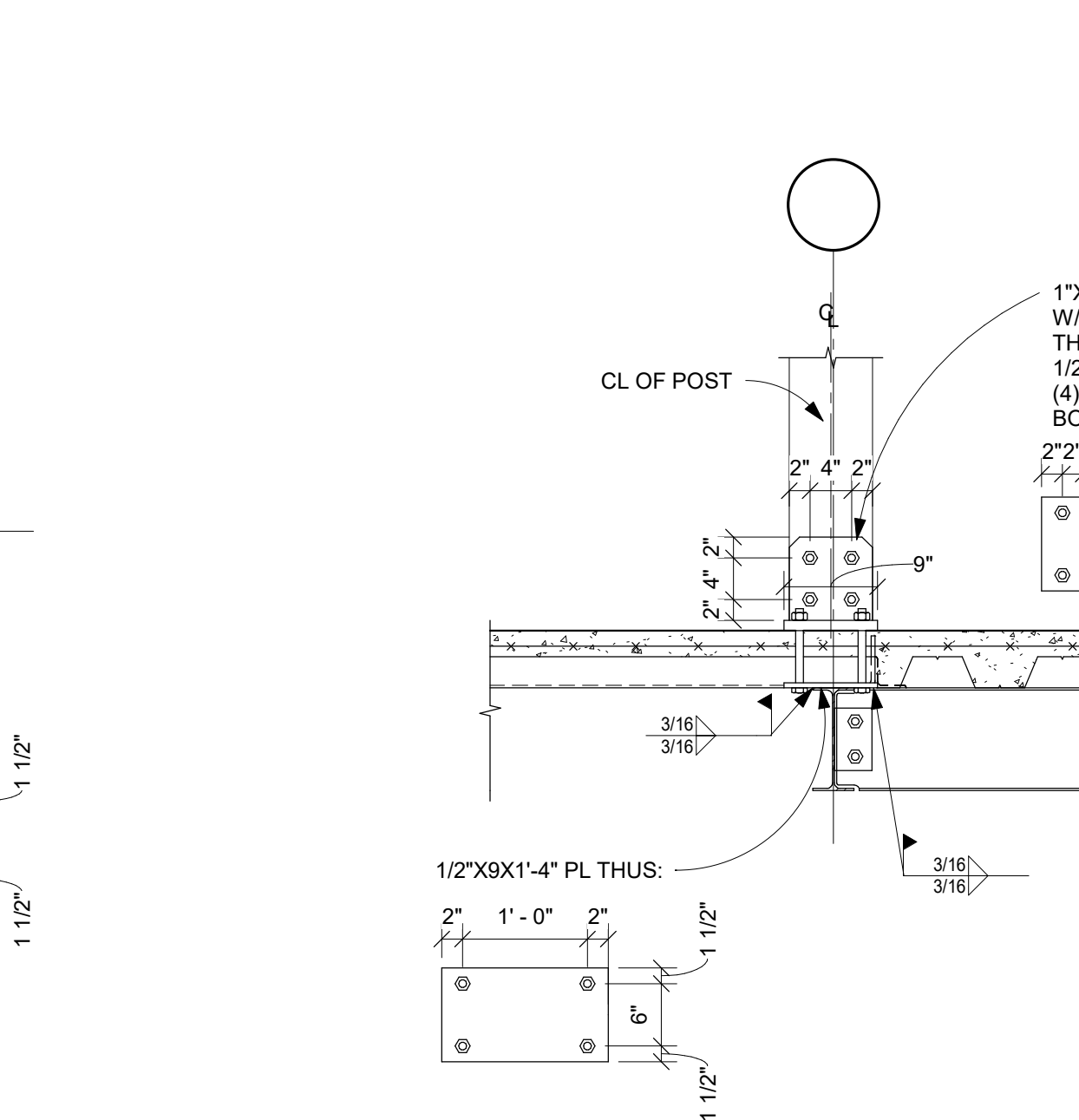
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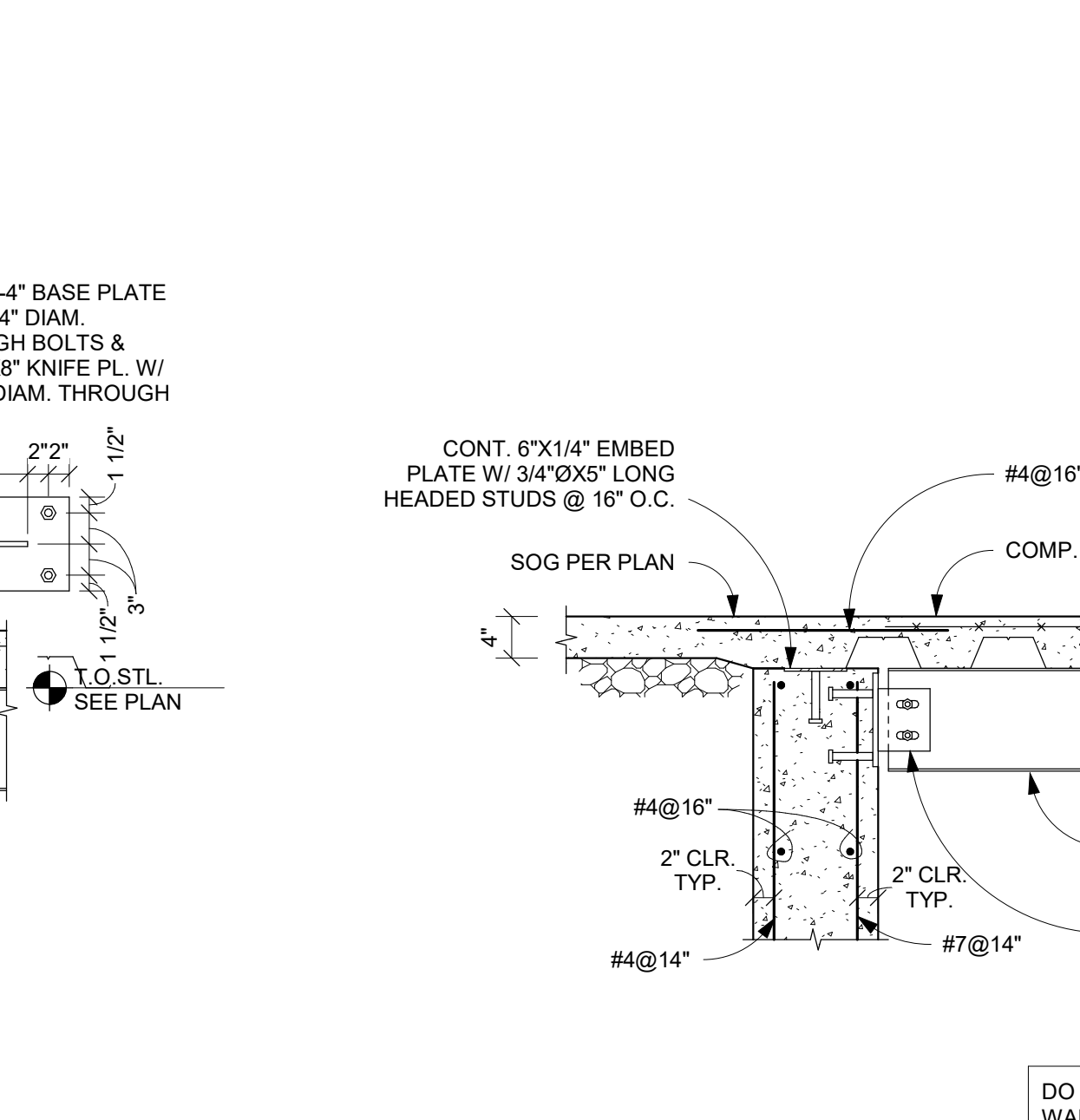
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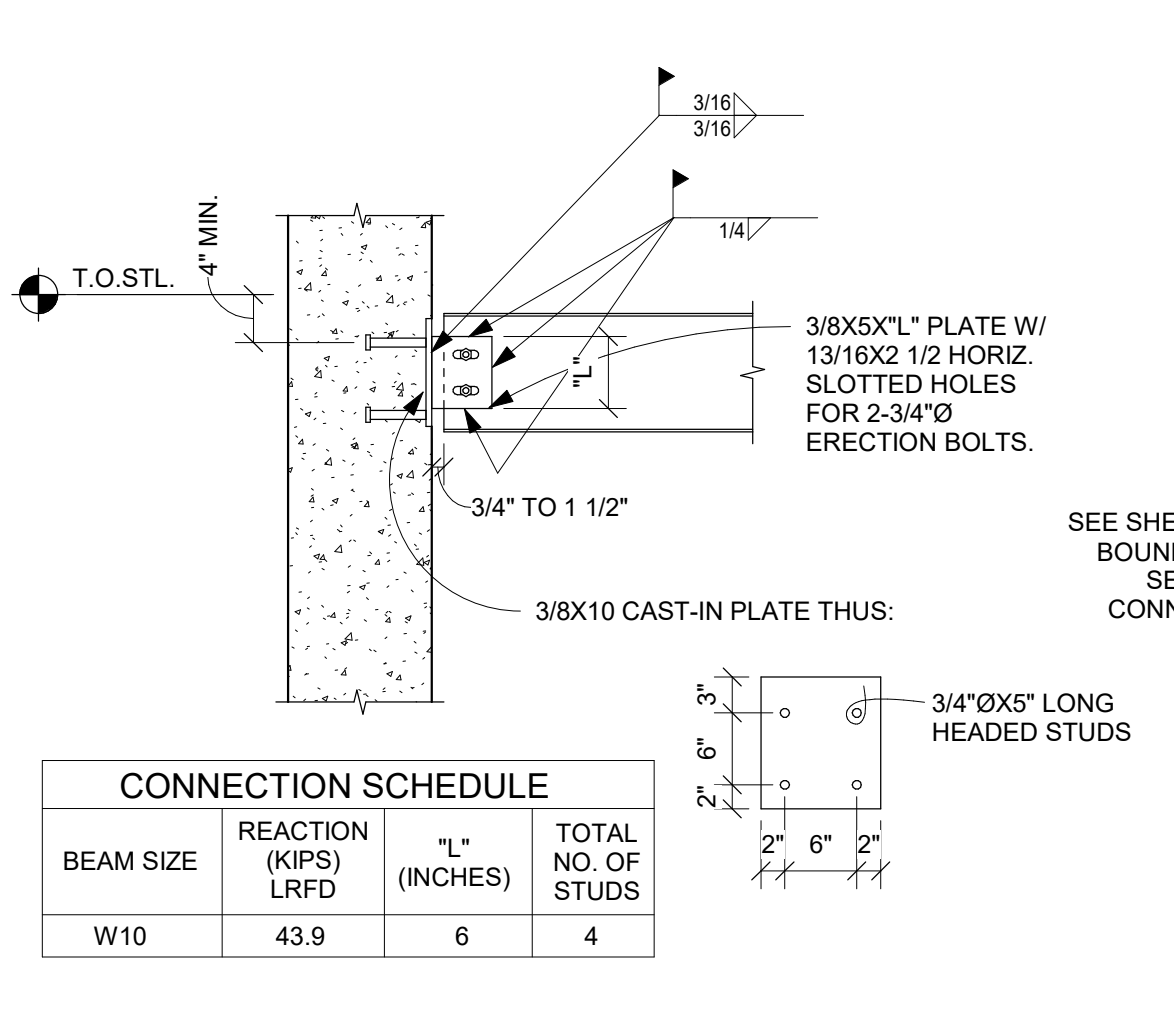
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7 SECTION
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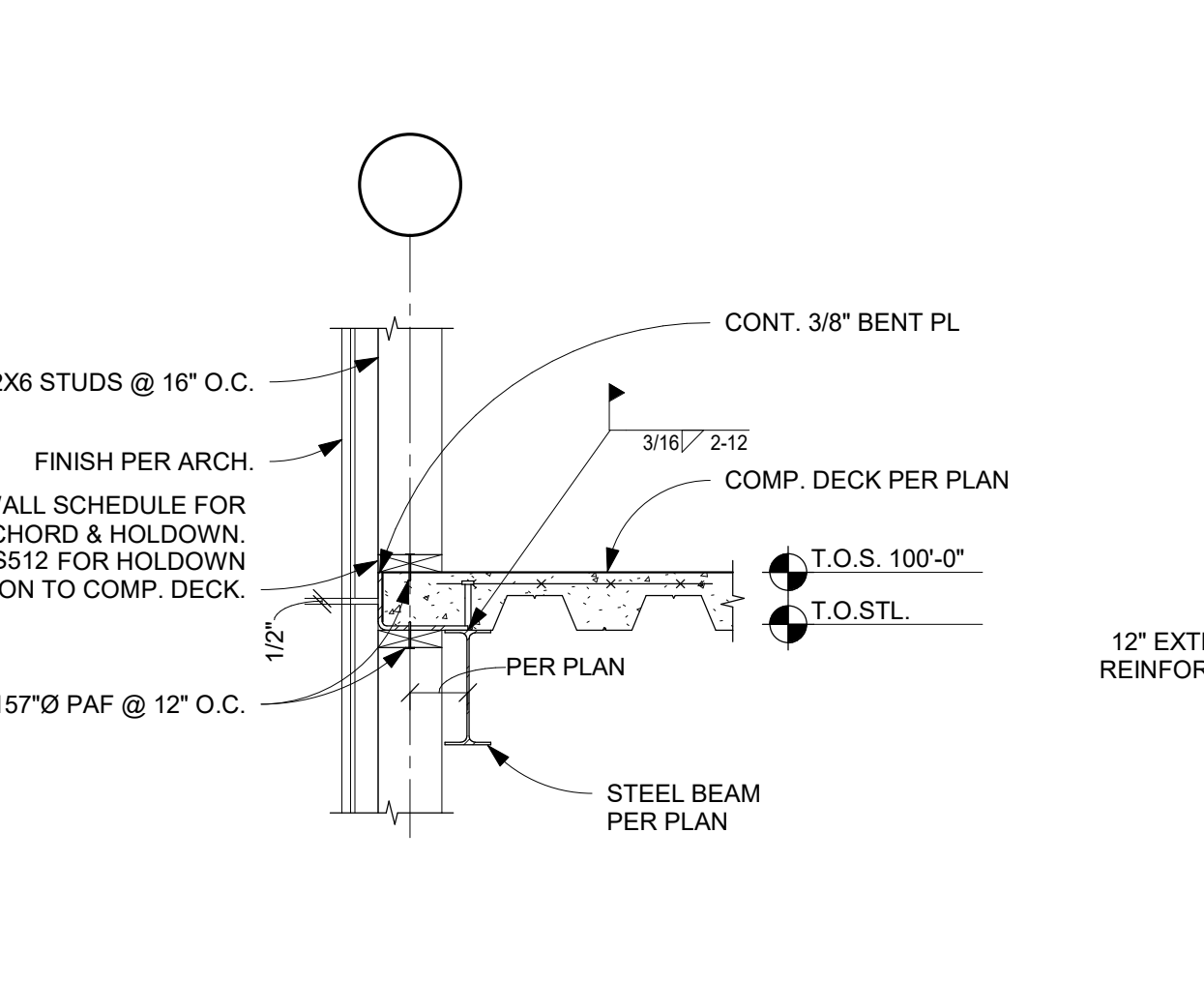


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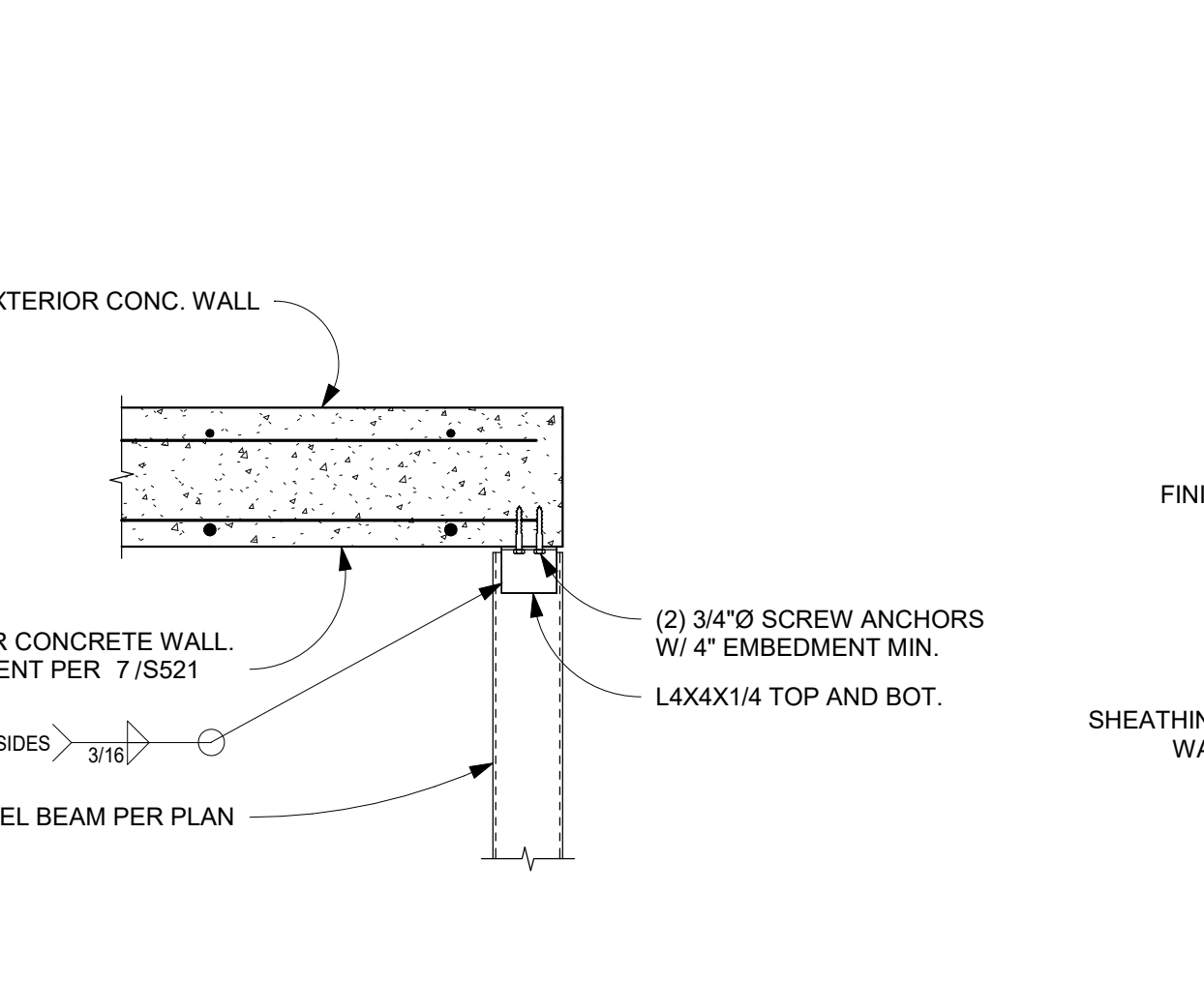


9 SECTION
 TYP. BEAM TO CAST-IN WELD PLATE CONNECTION IN CONCRETE WALL N.T.S.

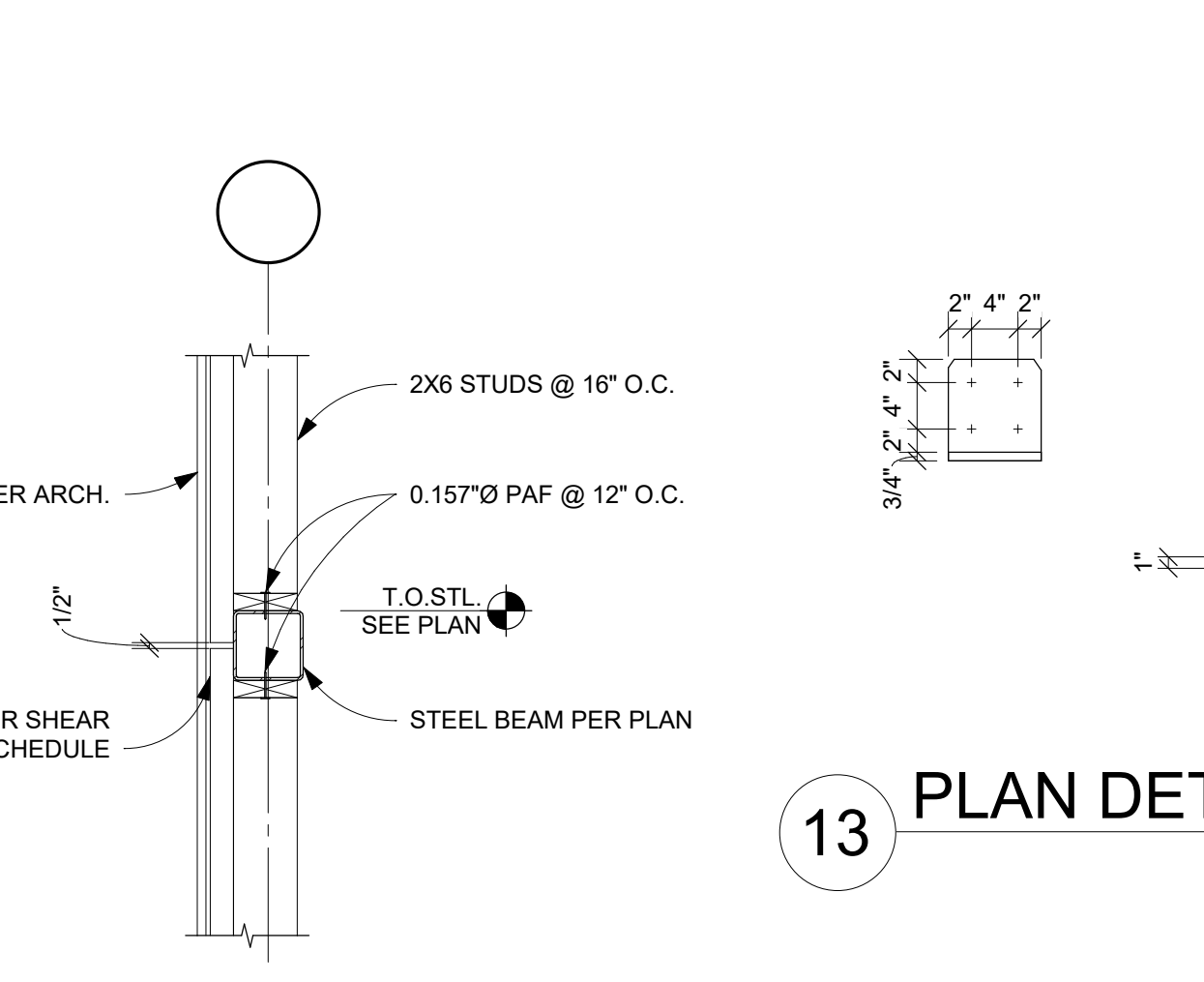
CONNECTION SCHEDULE			
BEAM SIZE	REACTION (KIPS) LRFD	L" (INCHES)	TOTAL NO. OF STUDS
W10	43.9	6	4



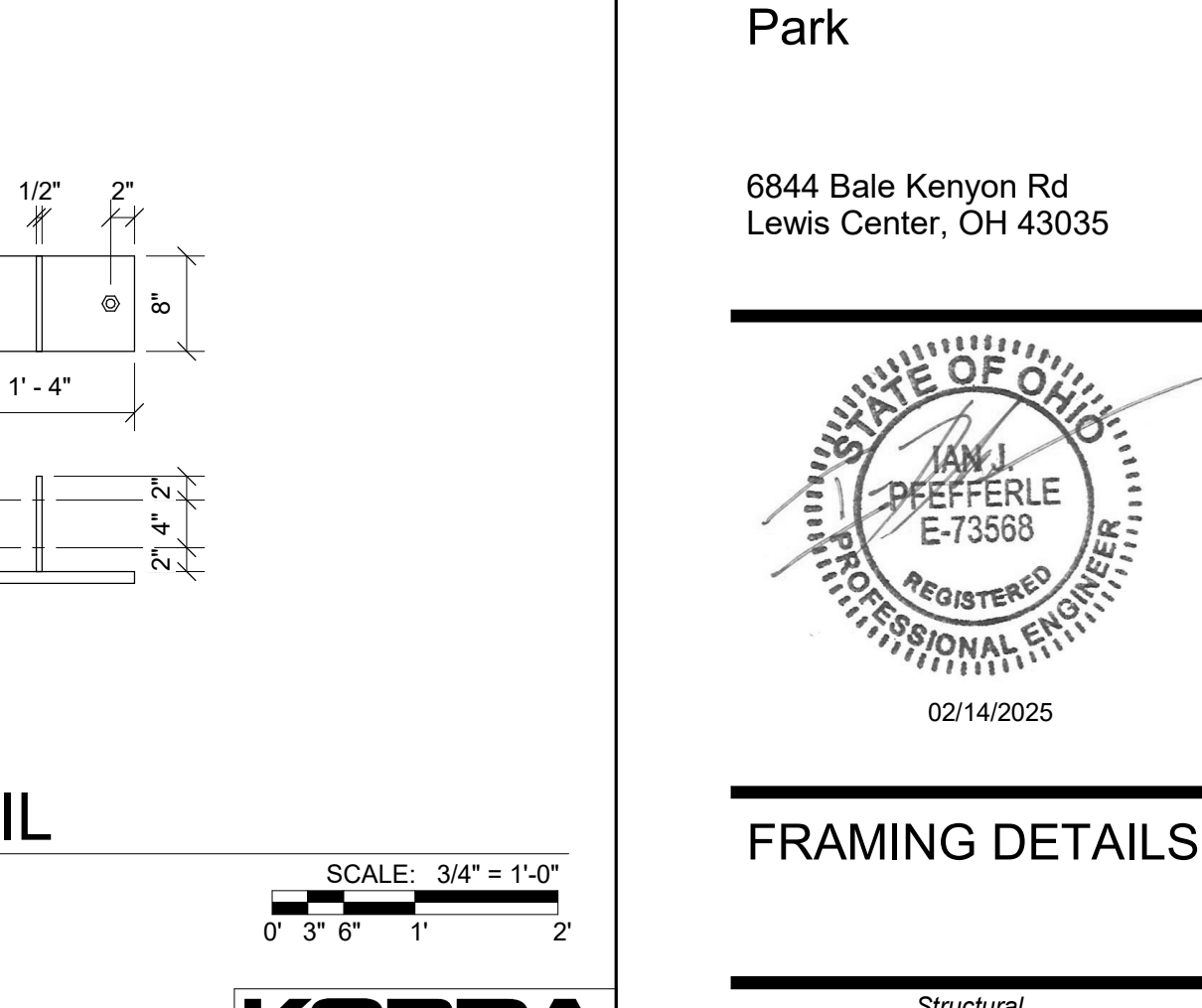
10 SECTION
 SCALE: 3/4" = 1'-0"
 0' 3' 6' 1' 2'



11 PLAN DETAIL
 SCALE: 3/4" = 1'-0"
 0' 3' 6' 1' 2'



12 SECTION
 SCALE: 3/4" = 1'-0"
 0' 3' 6' 1' 2'



13 PLAN DETAIL
 SCALE: 3/4" = 1'-0"
 0' 3' 6' 1' 2'

KORDA
 KORDA NEMETH ENGINEERING
 1650 WATERMARK DRIVE
 SUITE 200
 COLUMBUS, OHIO 43215
 DRAWN BY: WRH
 DESIGNED BY: CKP
 CHECKED BY: JUP
 PROJECT NUMBER: 2023-0006

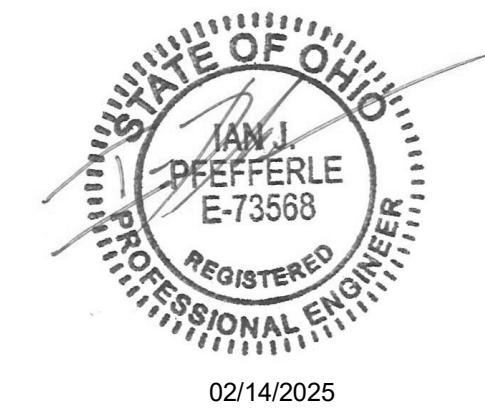
Drawing Issue Dates

- Design Development Submittal 11/17/2023
- 50% Construction Documents 08/15/2024
- 90% Construction Documents 01/15/2025
- Bid Set / Permit Set 02/14/2025

Revision Schedule		
#	Description	Date

Bicentennial Barn - McCammon Creek Park

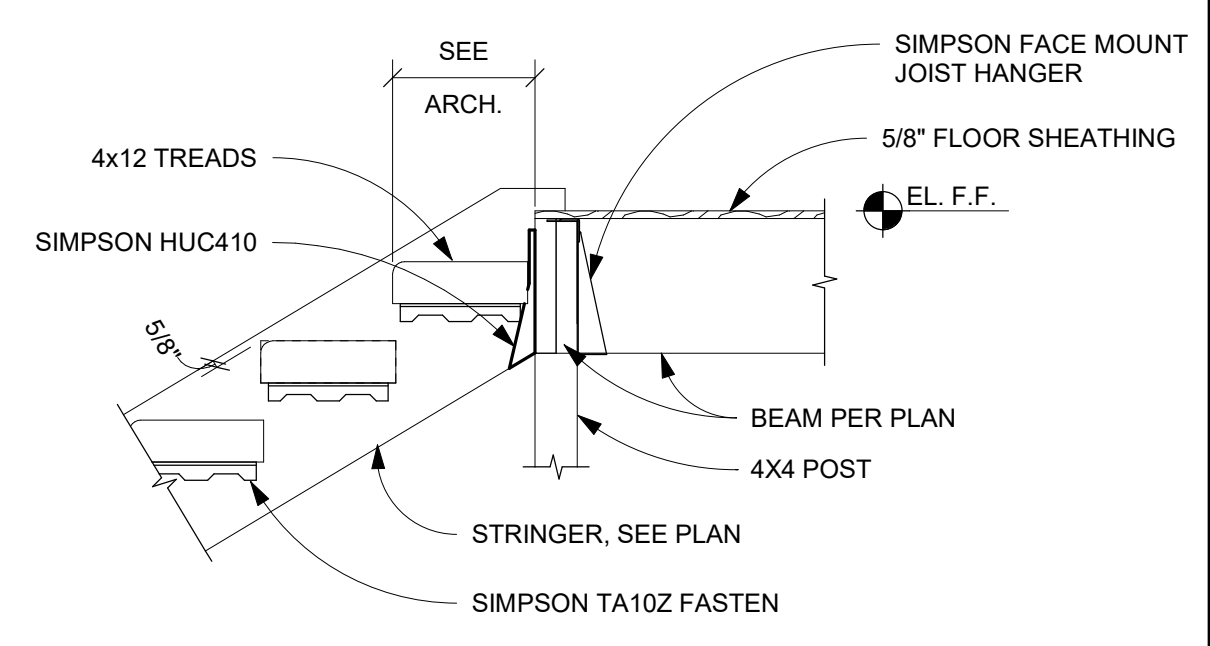
6844 Bale Kenyon Rd
Lewis Center, OH 43035



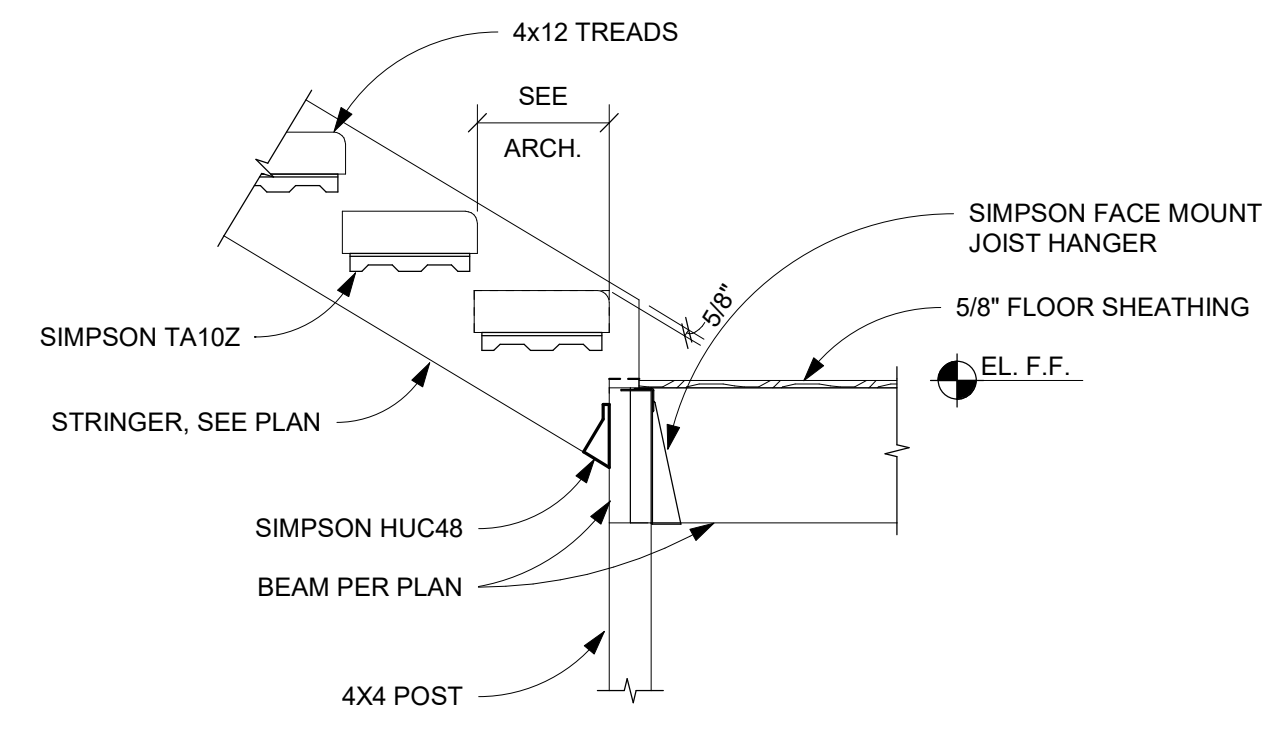
FRAMING DETAILS

S523
11/25/2024
23070

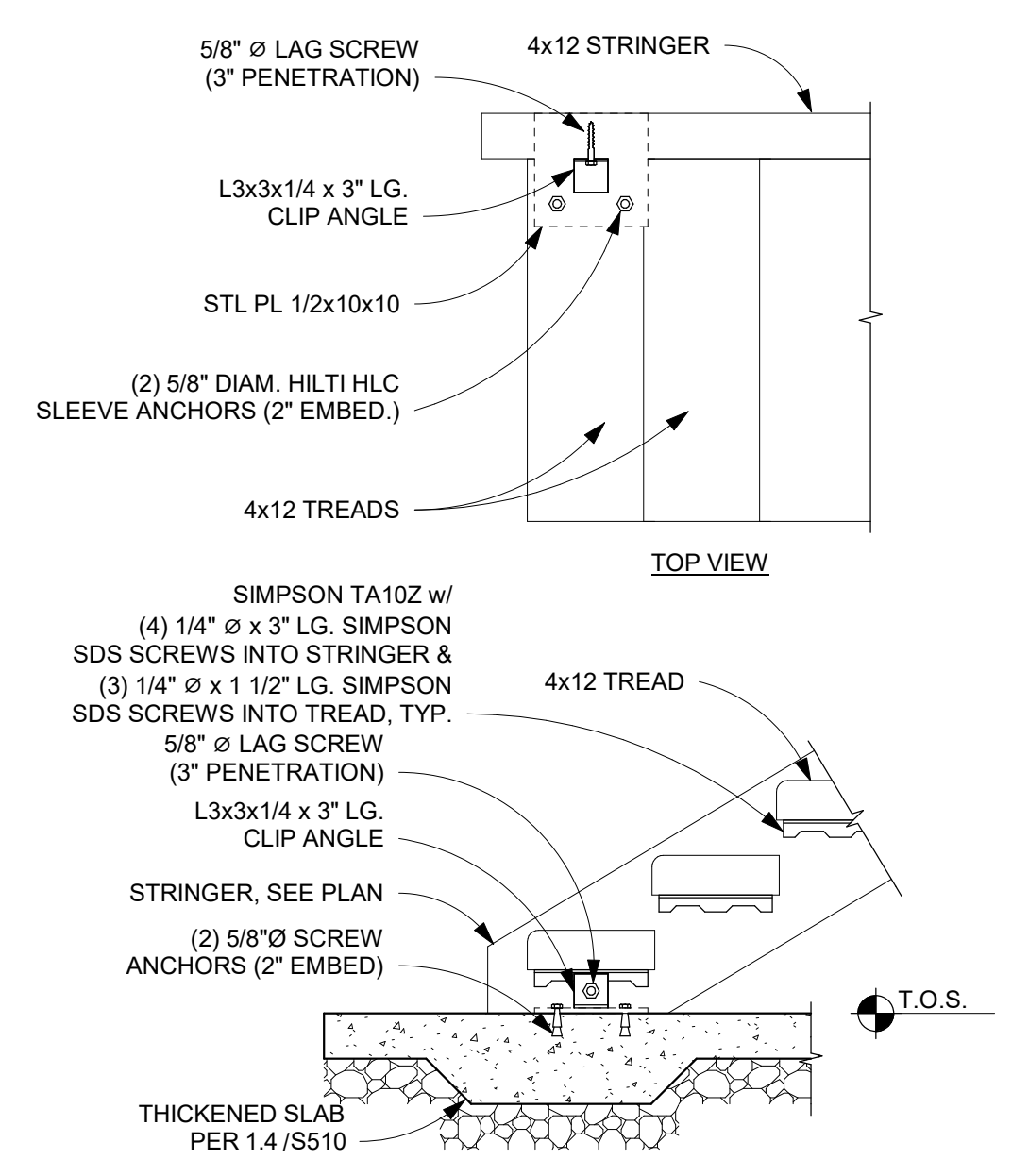
KORDA
KORDA NEMETH ENGINEERING
1650 WATERMARK DRIVE
SUITE 200
COLUMBUS, OHIO 43215
DRAWN BY: WRH
DESIGNED BY: CKP
CHECKED BY: IJP
PROJECT NUMBER: 2023-0006



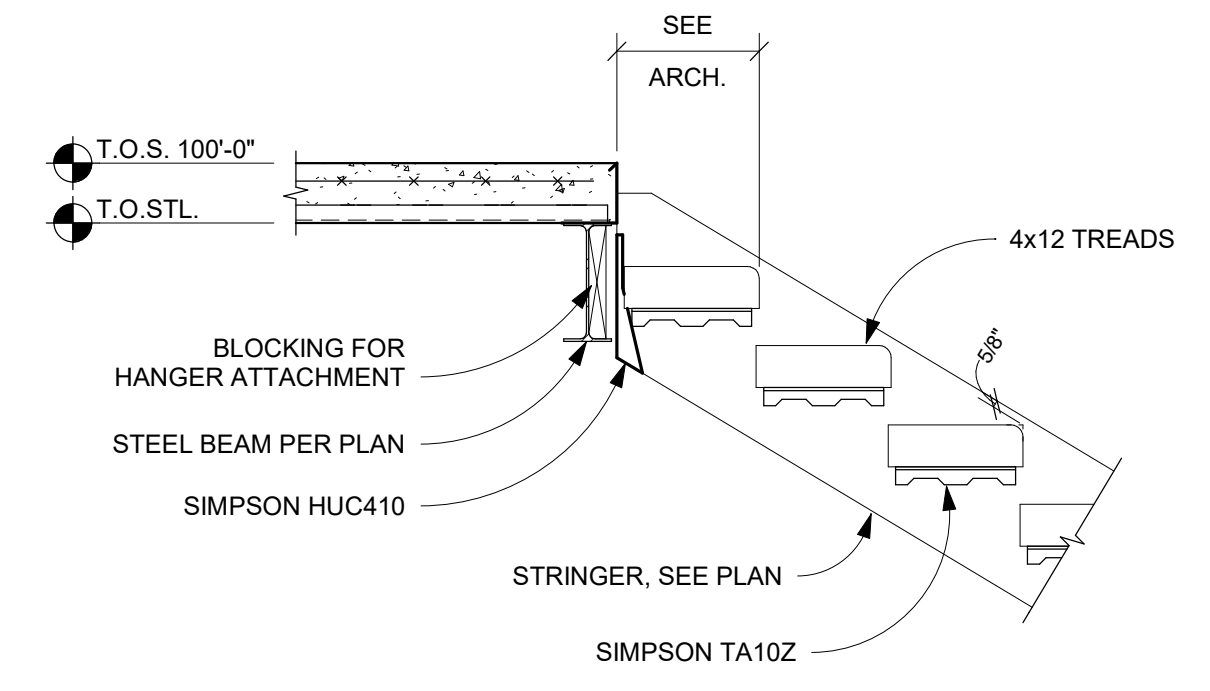
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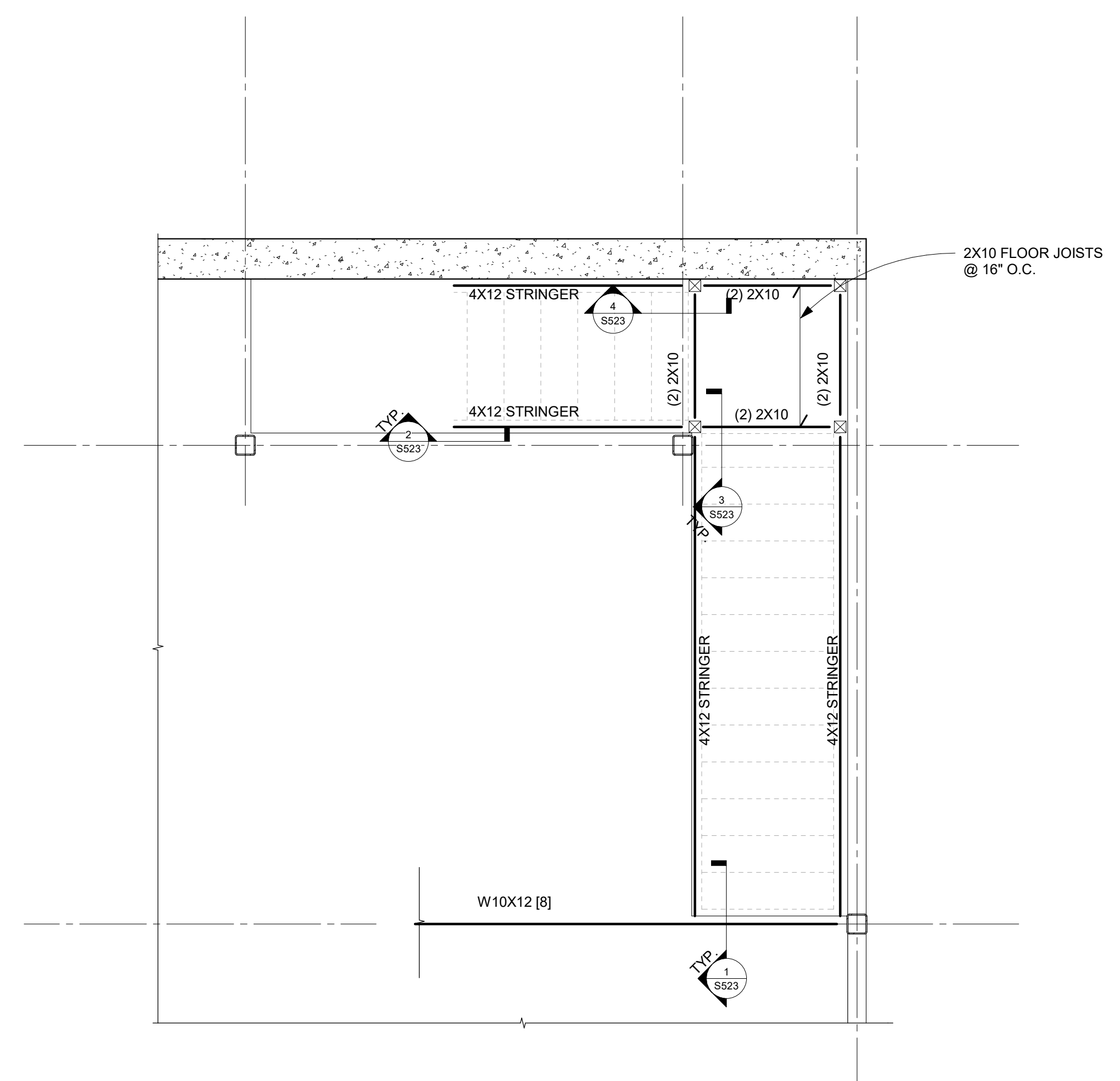
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2 SECTION SCALE: 3/4" = 1'-0"

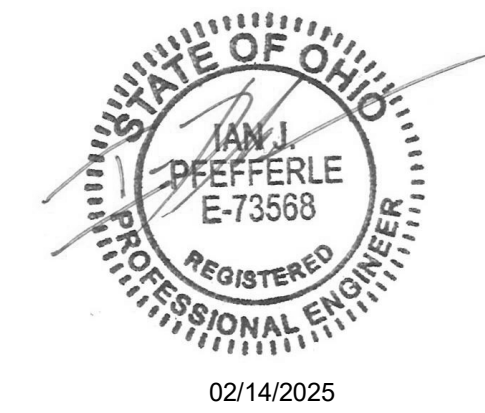


1 SECTION SCALE: 3/4" = 1'-0"

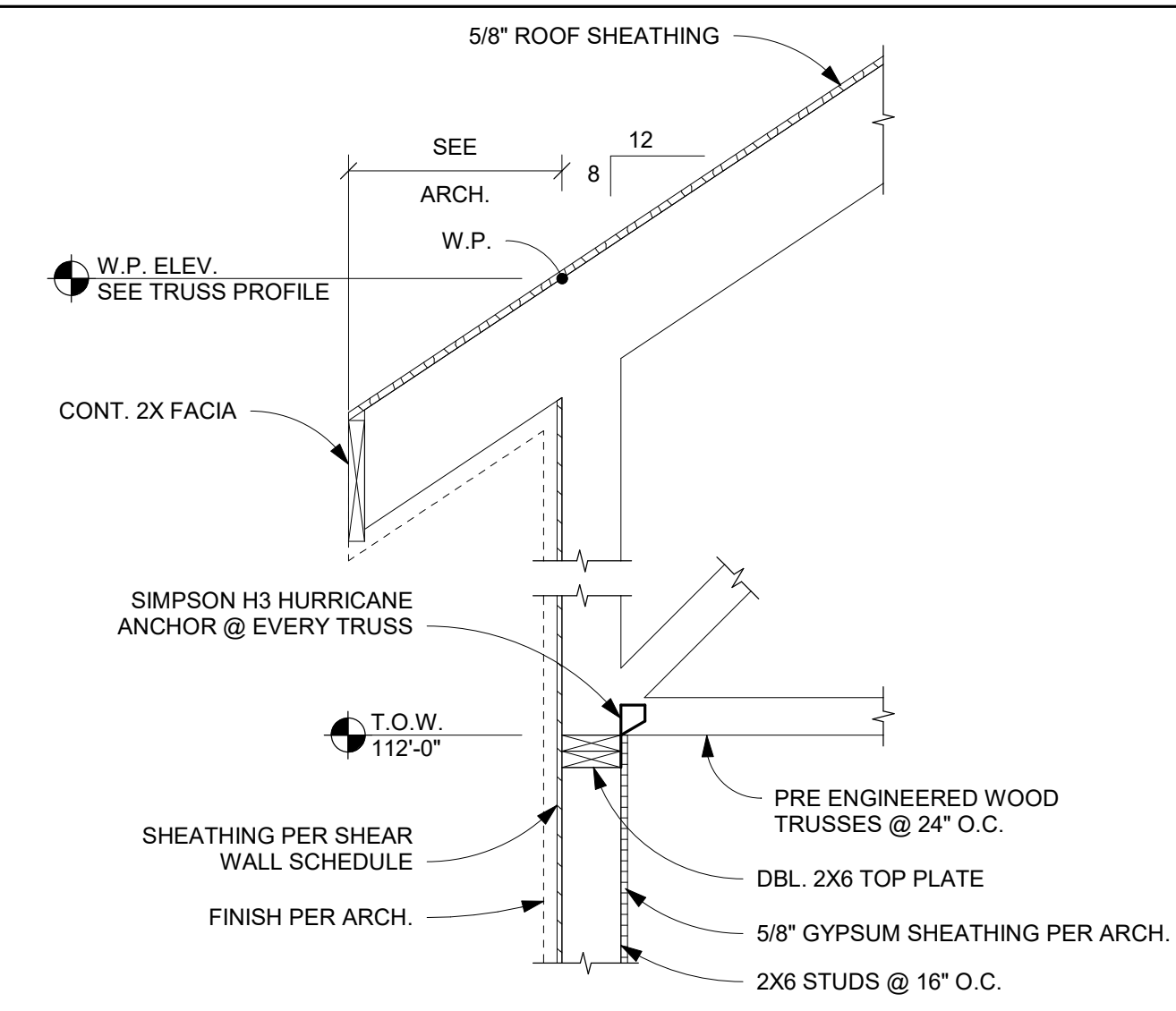


5 PLAN DETAIL SCALE: 3/8" = 1'-0"

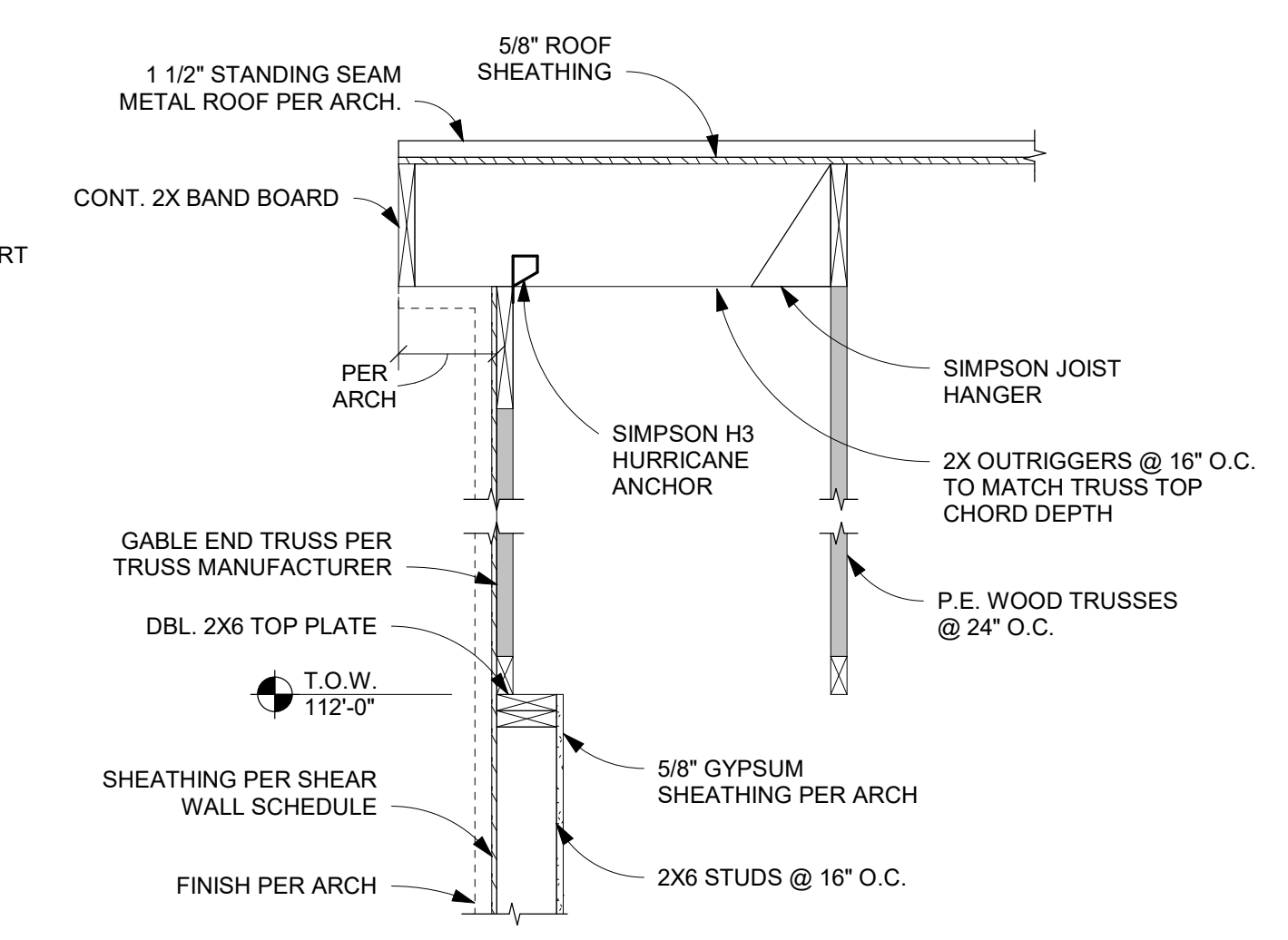
Revision Schedule		
#	Description	Date



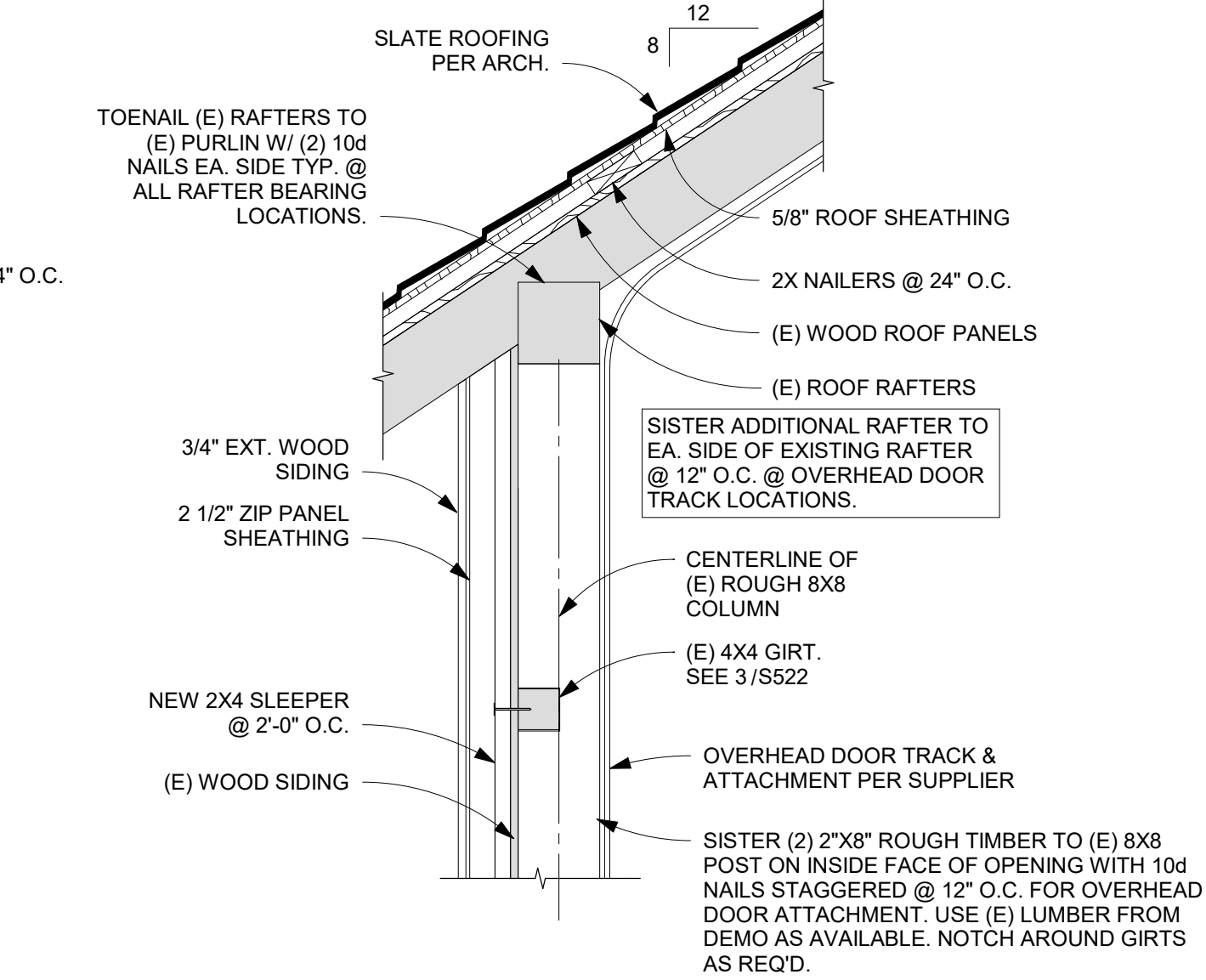
KORDA
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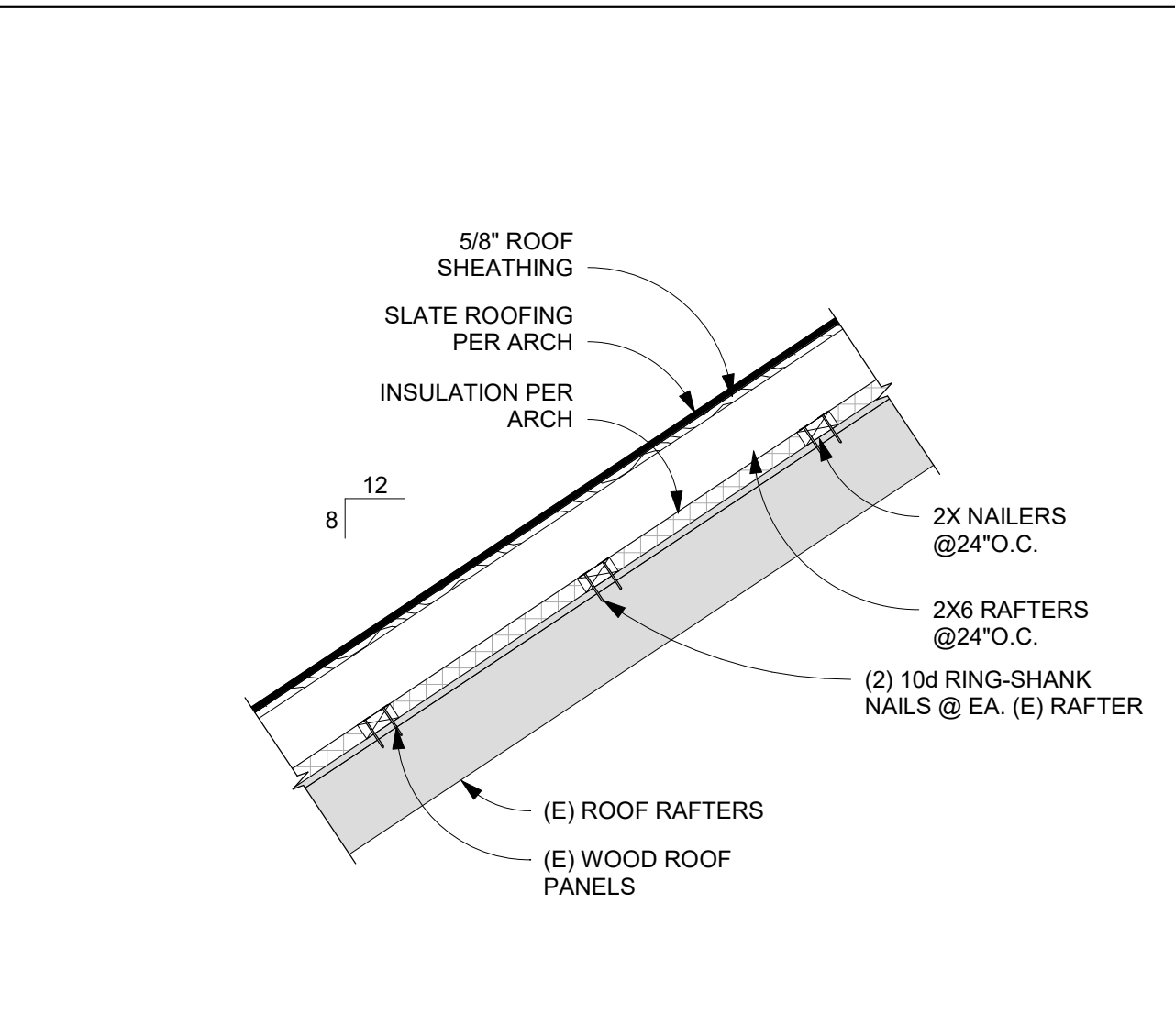
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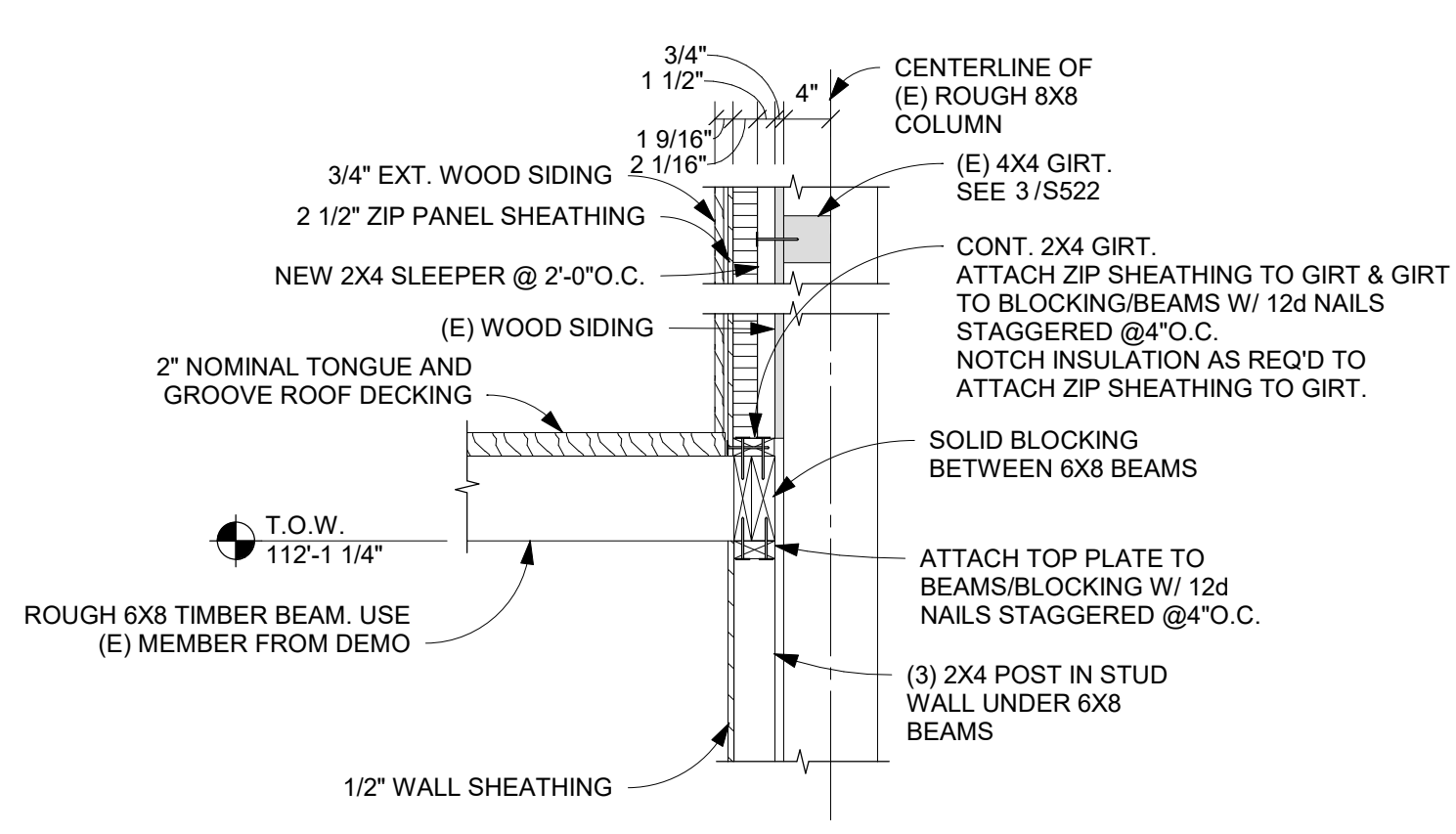
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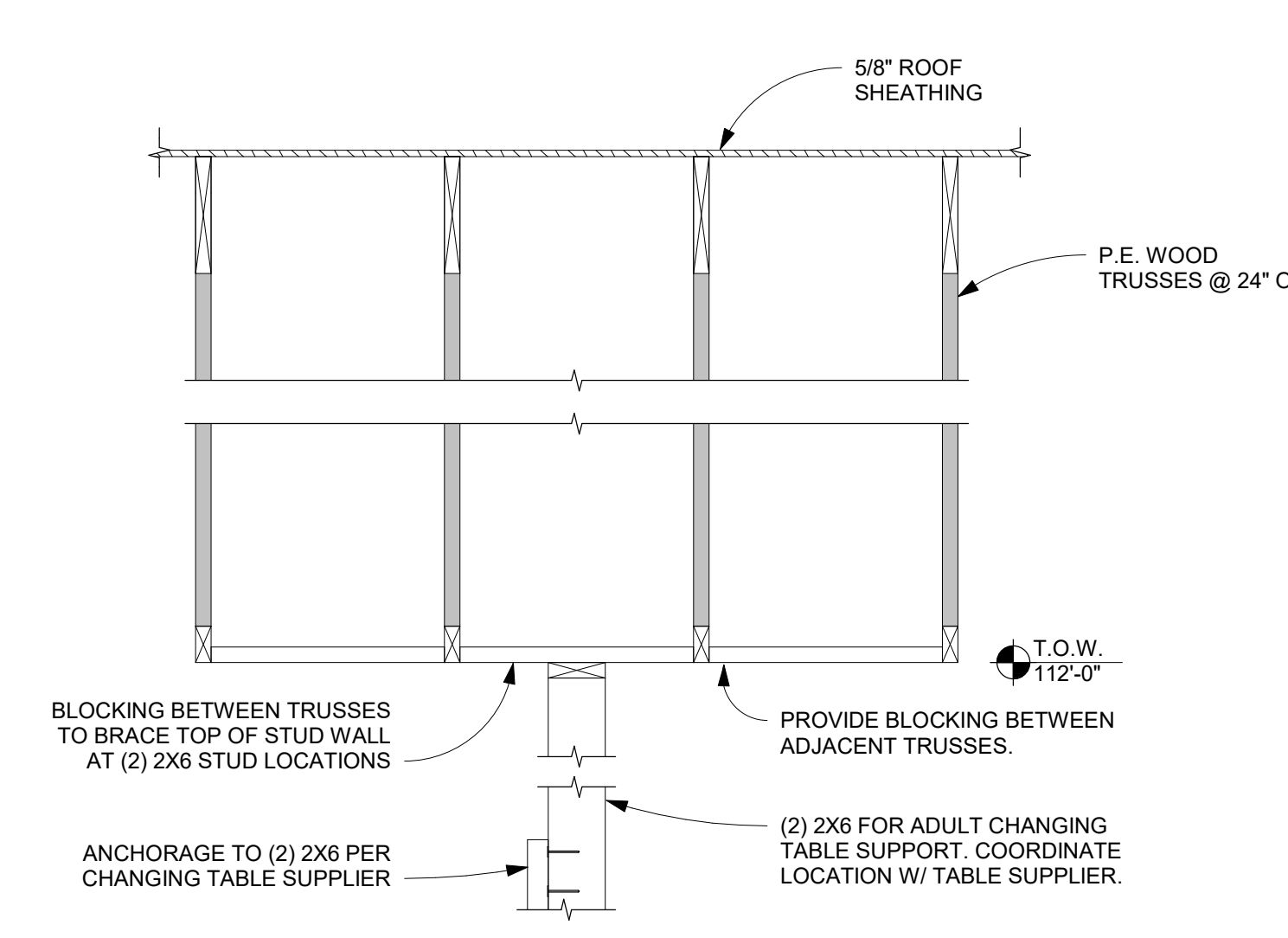
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 SCALE: 3/4" = 1'-0"
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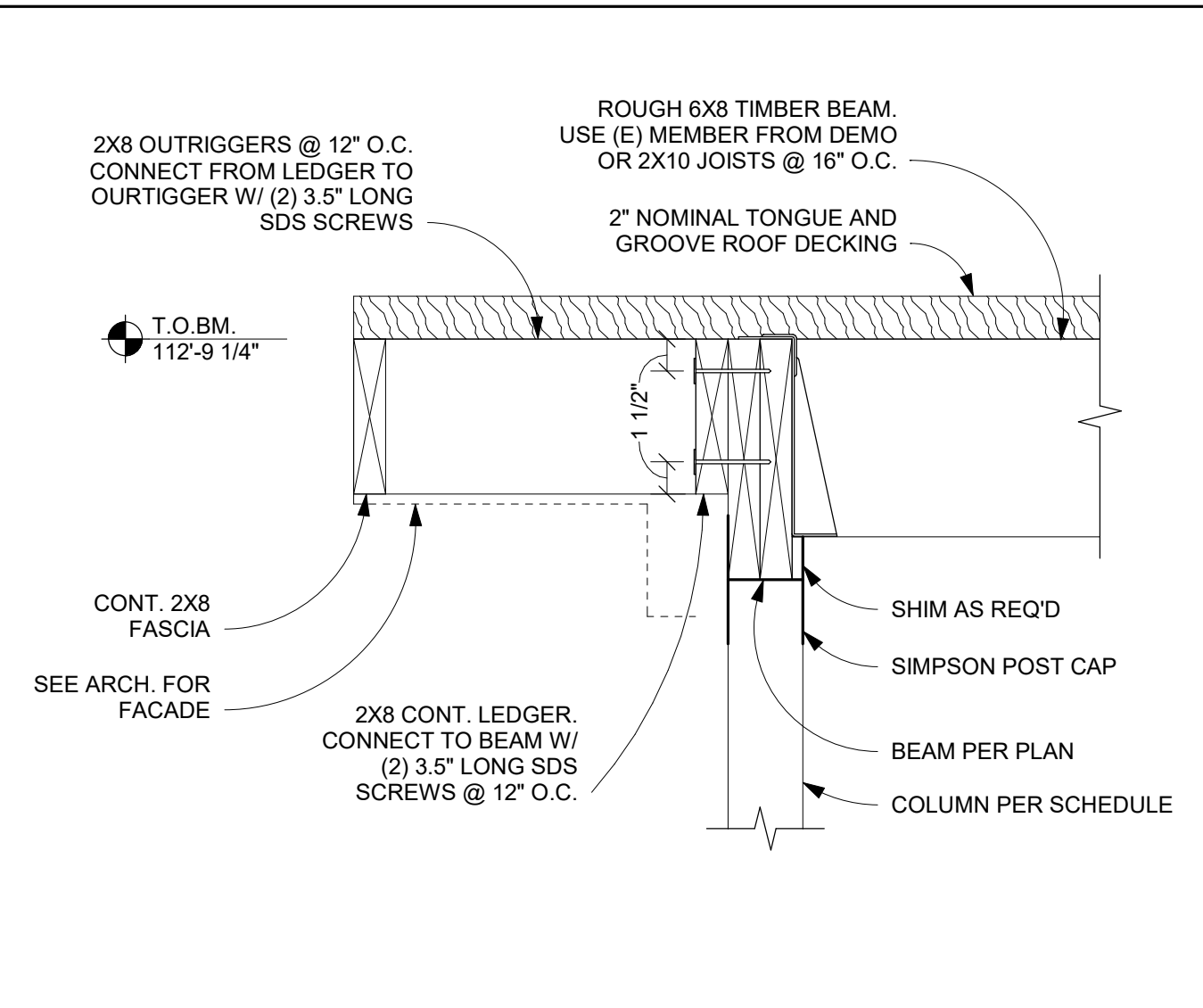
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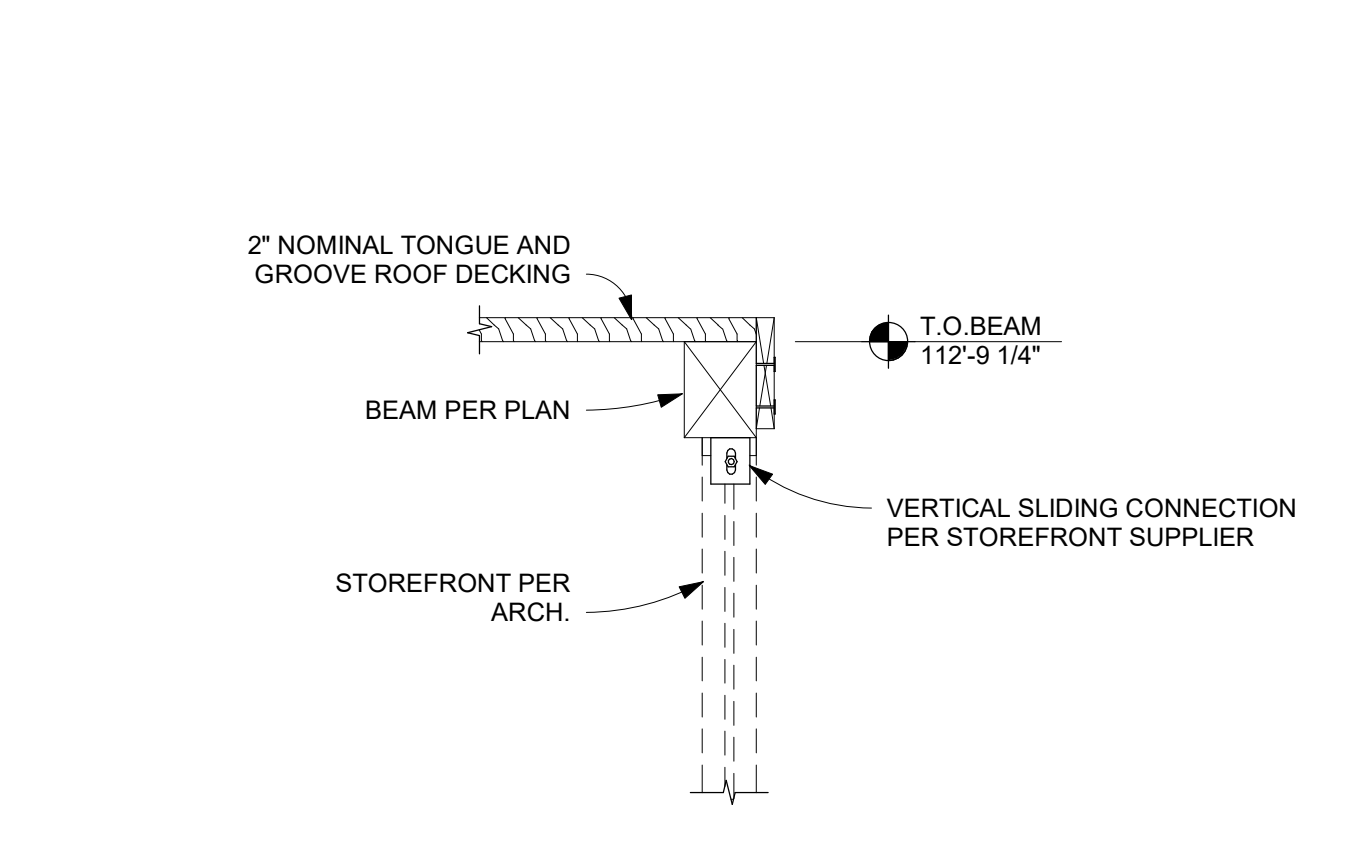
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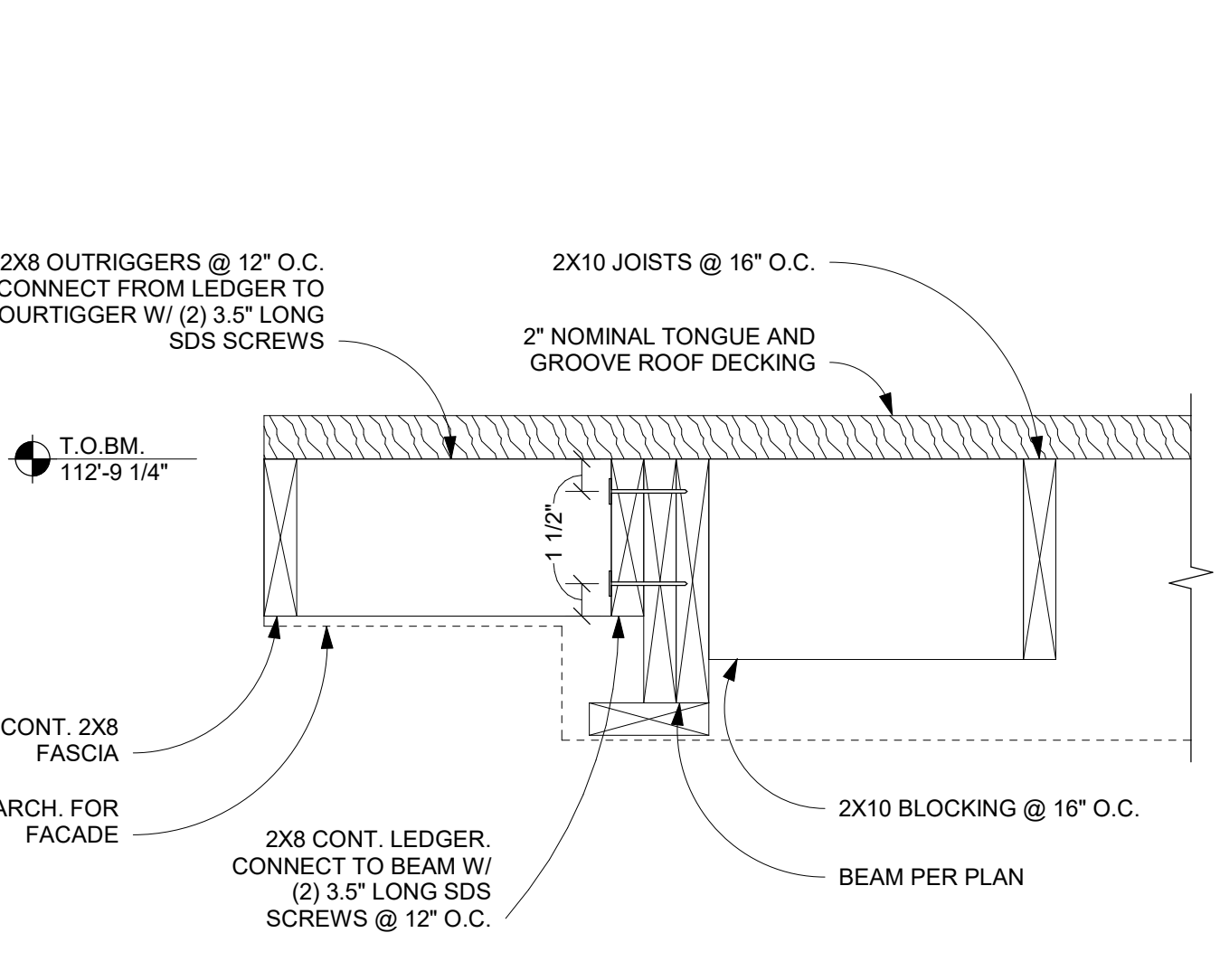
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11 SECTION
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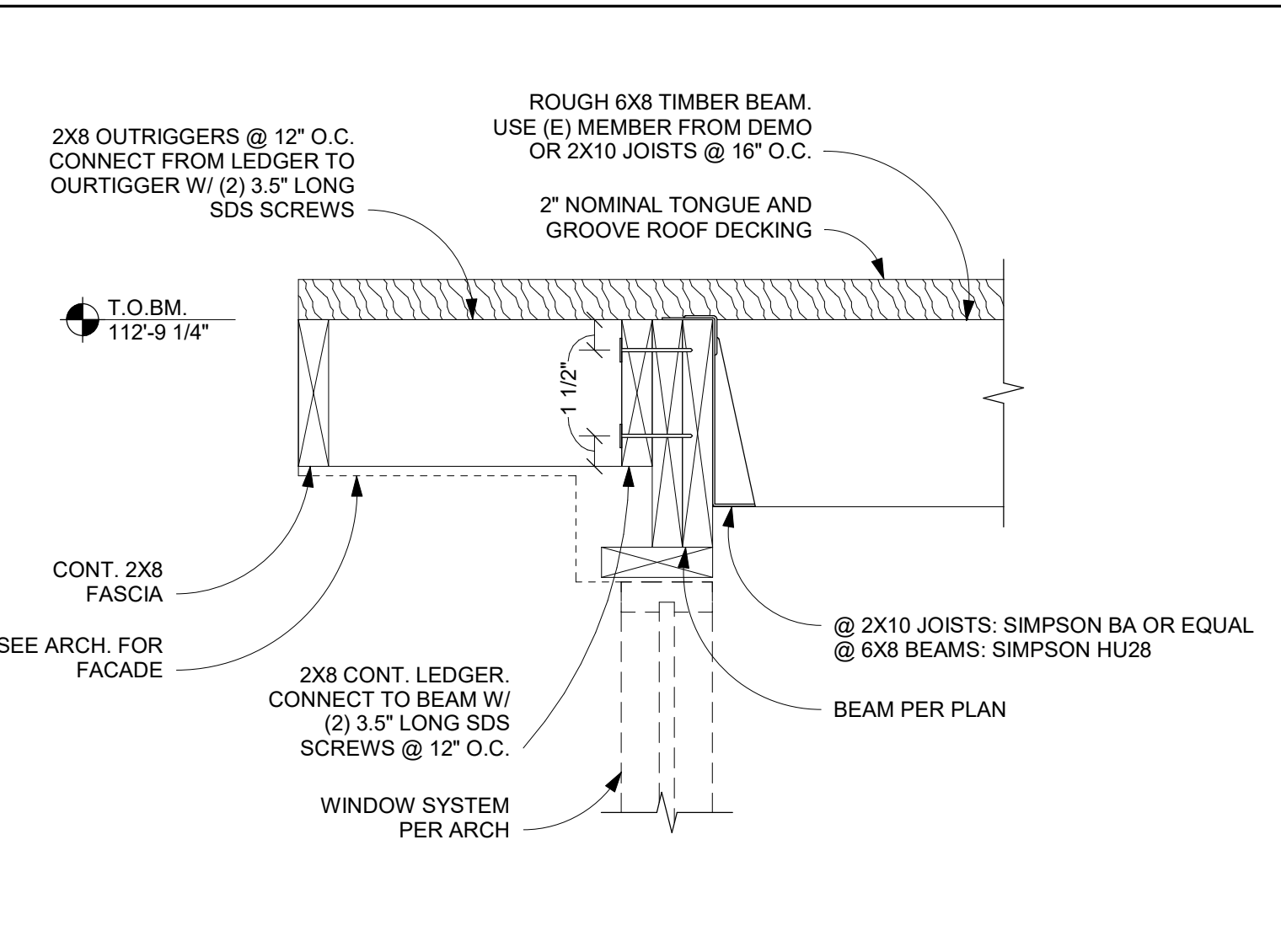
12 SECTION
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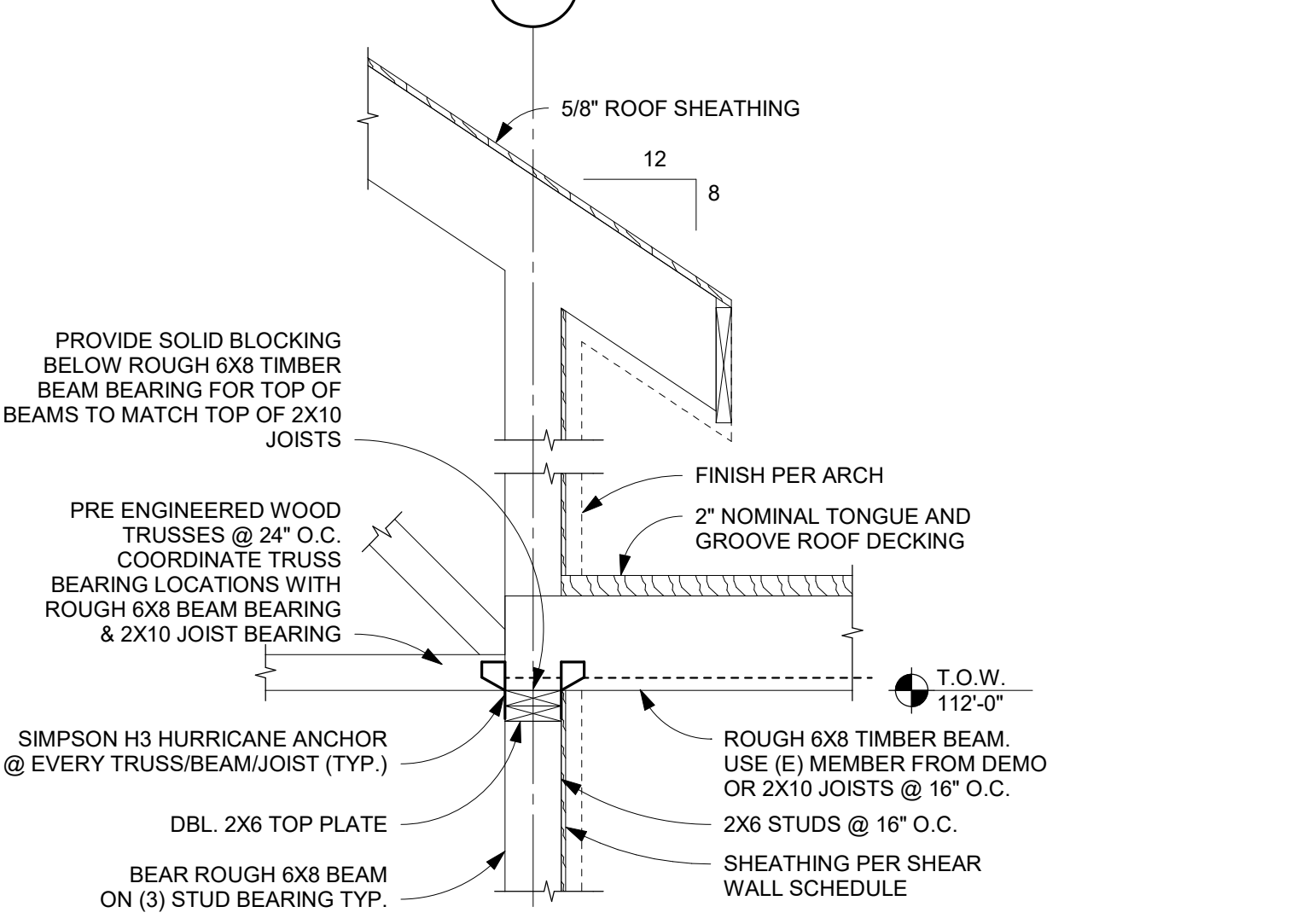
13 SECTION
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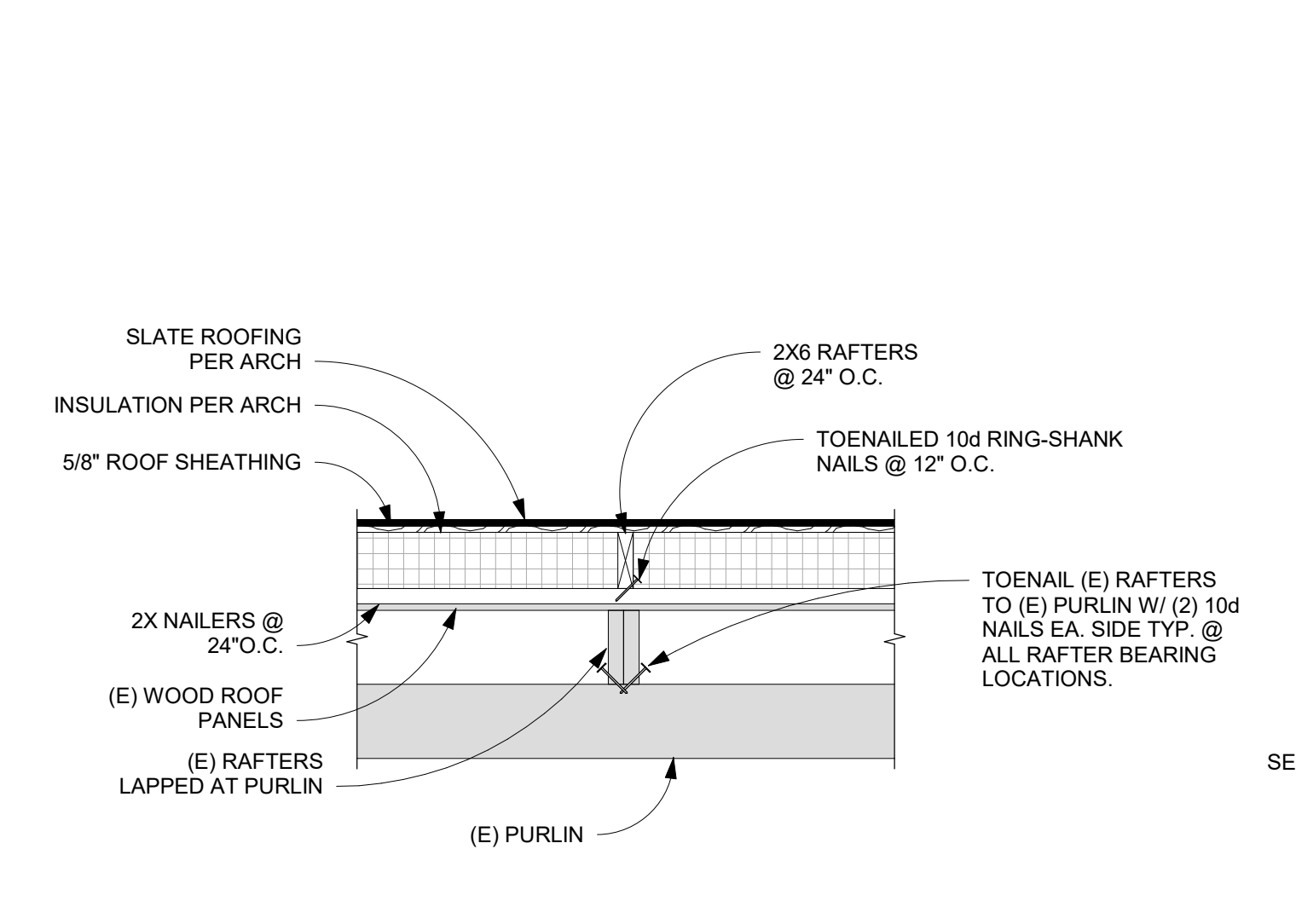
14 SECTION
 SCALE: 1 1/2" = 1'-0"
 0' 3' 6' 1' 2'



15 SECTION
 SCALE: 1 1/2" = 1'-0"
 0' 3' 6' 1' 2'



16 SECTION
 SCALE: 3/4" = 1'-0"
 0' 3' 6' 1' 2'



17 SECTION
 SCALE: 3/4" = 1'-0"
 0' 3' 6' 1' 2'



18 SECTION
 SCALE: 1 1/2" = 1'-0"
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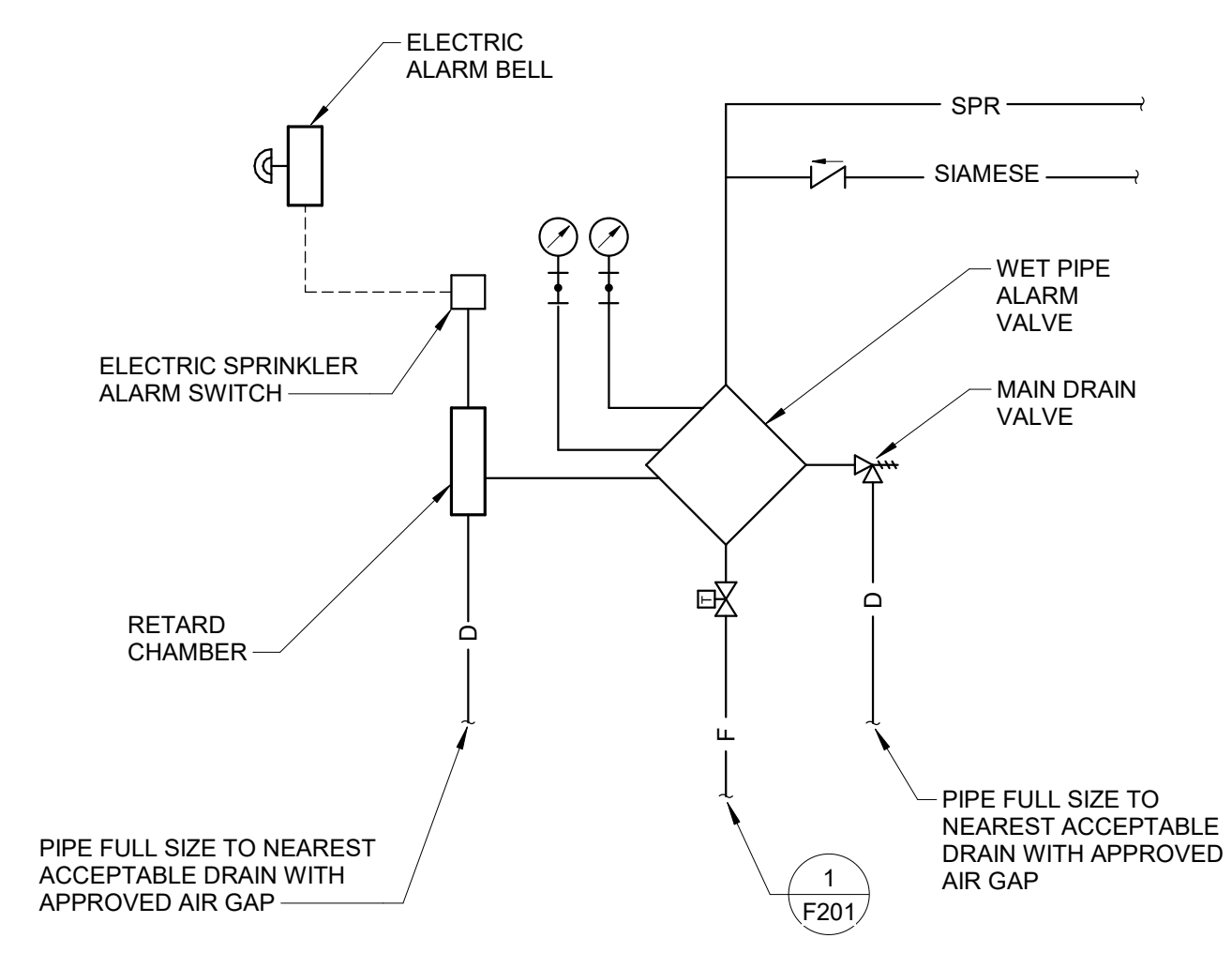
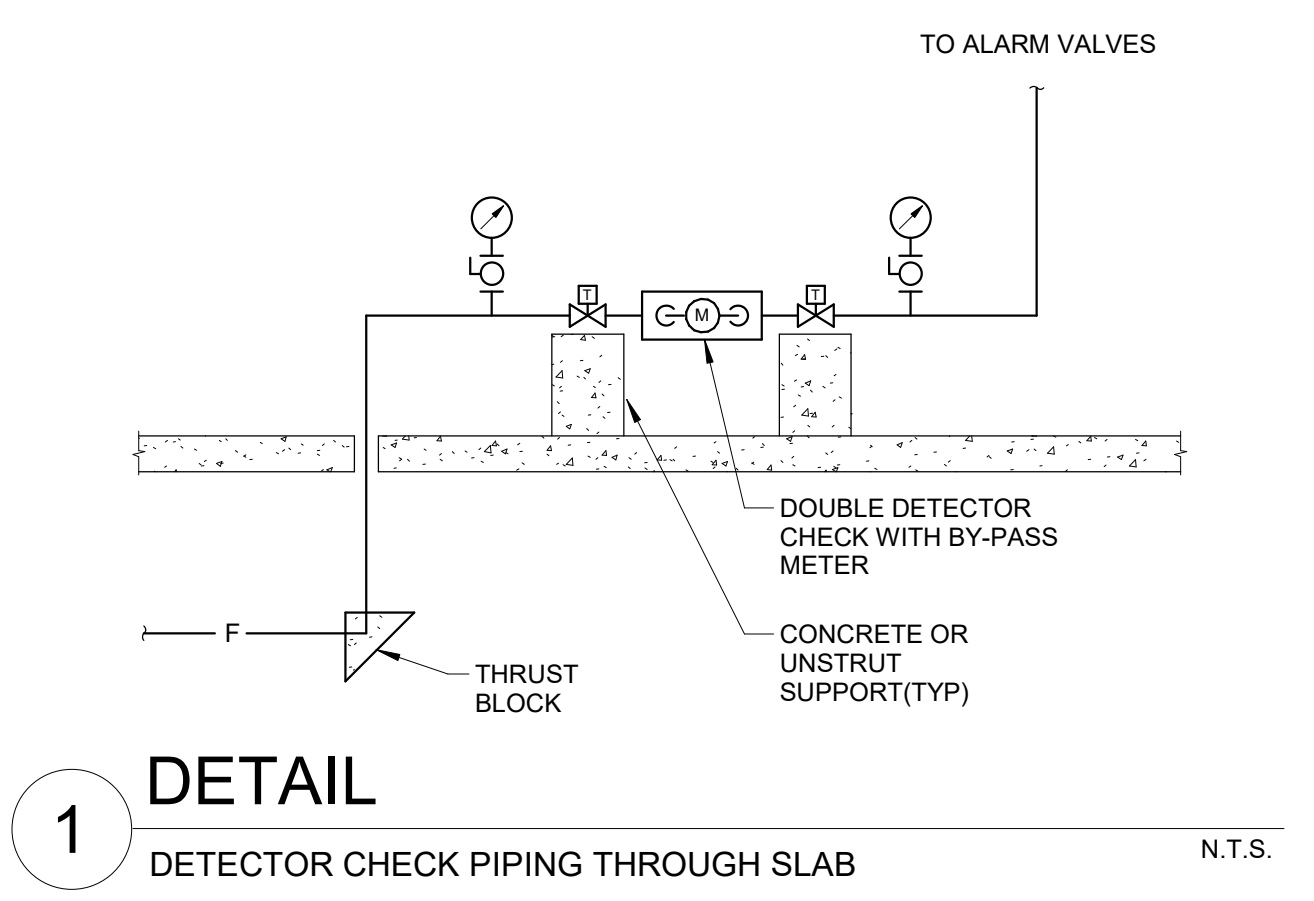
Revision Schedule		
#	Description	Date



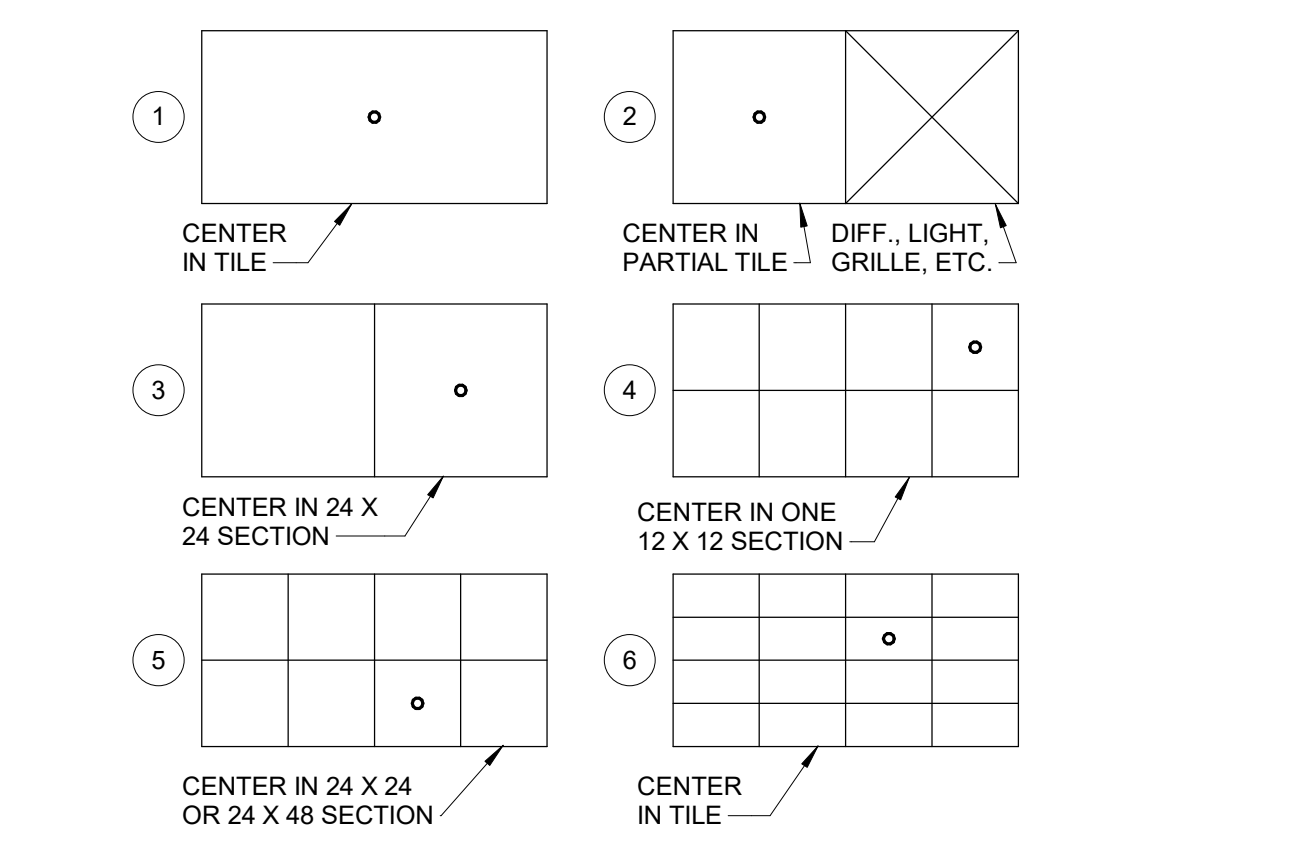
SHEET NUMBER	SHEET NAME
F001	FIRE PROTECTION INDEX SHEET
F201	GROUND FLOOR FIRE PROTECTION PLAN
F202	MAIN FLOOR FIRE PROTECTION PLAN

- GENERAL NOTES - FIRE PROTECTION (APPLY TO ALL FIRE PROTECTION DRAWINGS)**
- THE SYSTEM DESIGN IS BASED ON THE LATEST EDITION OF THE OHIO BUILDING CODE INCLUDING ALL AMENDMENTS THROUGH THE DATE OF DRAWING ISSUE.
 - THE SPRINKLER DRAWINGS ARE SCHEMATIC IN NATURE AND ARE INTENDED TO BE USED AS A GUIDELINE. THE CONTRACTOR WILL BE RESPONSIBLE FOR LOCATING AND COORDINATING SPRINKLER MAINS AND BRANCHES. THE EXACT NUMBER OF SPRINKLER HEADS AND EXACT PIPE SIZE BASED UPON THE HYDRAULIC CALCULATIONS TO MEET ALL GUIDELINES SET BY THE OWNER'S REQUIREMENTS, BUILDING CODES AND THE AUTHORITY HAVING JURISDICTION.
 - AUTOMATIC SPRINKLER PROTECTION FOR ALL AREAS OF THIS CONTRACT WILL BE PROVIDED BY THE FIRE PROTECTION CONTRACTOR. ALL AREAS ARE TO BE FULLY SPRINKLED.
 - PROVIDE AIR VENTS, DRAIN VALVES AND PIPING TO ALLOW COMPLETE DRAINAGE OF ALL FIRE PROTECTION SYSTEMS.
 - THE CONTRACTOR SHALL COORDINATE THE WORK WITH THE ARCHITECTURAL REFLECTED CEILING PLANS, ROOM FINISH SCHEDULES, STRUCTURAL DRAWINGS, MECHANICAL DRAWINGS AND ELECTRICAL DRAWINGS.
 - PROVIDE SPRINKLER HEADS & PIPING THROUGHOUT THE WORK AREA AS PER NFPA 13.
 - HAZARD CLASSIFICATIONS:
 - LIGHT HAZARD:
 - OFFICES, CLASSROOMS, ASSEMBLY AREAS.
 - WET PIPE DENSITY = 0.10 GPM PER SQUARE FOOT. MAXIMUM AREA OF SPRINKLER DEMAND IS 1500 SQUARE FEET. MAXIMUM OF 225 SQUARE FEET SPRINKLER SPACING. 1/2" ORIFICE SPRINKLER.
 - ORDINARY TEMP. HEADS, 165 DEG. F. 100 GPM HOSE DEMAND.
 - ORDINARY HAZARD - GROUP 1:
 - MECHANICAL ROOMS, ELECTRICAL ROOMS, STORAGE ROOMS.
 - WET PIPE DENSITY = 0.15 GPM PER SQUARE FOOT. MAXIMUM AREA OF SPRINKLER DEMAND IS 1500 SQUARE FEET, MAXIMUM OF 130 SQUARE FEET SPRINKLER SPACING.
 - WHEN USING QUICK RESPONSE SPRINKLER HEADS, NO REDUCTION IN SPRINKLER AREA SHALL BE MADE.
 - THE FIRE PROTECTION CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING AN UP TO DATE FLOW TEST AT THE HYDRANT CLOSEST TO THIS BUILDING ONCE THE NEW WATER SERVICE HAS BEEN INSTALLED (ON THE MAIN SERVING THIS BUILDING).
 - DESIGN FLOW TEST DATA: DATE: 08/18/2023
 - LOCATION: HYDRANTS ON BALE KENYON RD: TEST HYDRANT # 8419, RESIDUAL HYDRANT #8418
 - STATIC = 112 PSI RESIDUAL = 97 PSI FLOW = 1405 GPM
 - APPROXIMATE ELEVATION: 840'
 - COORDINATE WITH ARCHITECTURAL FINISH SCHEDULE AND DETAILS.
 - SPRINKLER HEADS IN LIGHT HAZARD AREAS SHALL BE QUICK RESPONSE TYPE.
 - ALL AREAS SHALL BE SEMI-RECESSED SPRINKLER HEADS EXCEPT WHERE NOTED OTHERWISE.
 - SPRINKLERS LOCATED IN DRYWALL SOFFITS SHALL BE FULLY CONCEALED TYPE AND SHALL BE INSTALLED CENTERED IN THE WIDTH OF THE SOFFIT AND ALIGNED WITH LIGHTS, DIFFUSERS AND OTHER FEATURES.
 - FINISH IS TO BE WHITE FOR CONCEALED AND SEMI RECESSED.
 - THE FIRE PROTECTION CONTRACTOR SHALL REFER TO THE REFLECTED CEILING PLAN FOR COORDINATION OF THE SPRINKLER HEAD LOCATIONS.
 - EXPOSED SPRINKLERS IN STORAGE ROOMS, MECHANICAL ROOMS, AND SIMILAR SPACES SHALL BE PROVIDED WITH WIRE TYPE SPRINKLER HEAD GUARDS.
 - THE FIRE PROTECTION SYSTEM PIPING SHALL BE SIZED BY HYDRAULIC CALCULATIONS WITHIN THE LIMITS OF THE MAXIMUM ALLOWABLE SPRINKLER DEMAND FLOW AND AVAILABLE PRESSURE LISTED. THIS MEANS LARGER THAN NORMAL PIPE SIZES WILL BE REQUIRED TO MINIMIZE FRICTION LOSS IN THE PIPING SYSTEM AND REDUCE THE PRESSURE REQUIREMENT.
 - ALL HYDRAULIC CALCULATION REFERENCE POINTS/NODES SHALL BE IDENTIFIED ON PLANS.
 - NO TWO REFERENCE POINTS/NODES SHALL BE USED TWICE. PRESSURE REQUIREMENTS SHALL INCLUDE AN 8 PSI CUSHION.

FIRE PROTECTION SYMBOLS LIST		NOTE: ALL SYMBOLS NOT NECESSARILY USED	
GENERAL		VALVES	
EXISTING TO REMAIN	—————	ELECTRICALLY SUPERVISED VALVE	
EXISTING TO BE REMOVED	- - - - -	CHECK VALVE	
EXISTING TO BE ABANDONED	—————	GATE VALVE	
PIPING		GLOBE VALVE	
FIRE MAIN	————— F ———	PRESSURE REDUCING VALVE	
COMB. FIRE & WATER SERVICE	————— FW ———	WET PIPE ALARM VALVE	
ANTIFREEZE	————— AF ———	DRY PIPE ALARM VALVE	
STANDPIPE	————— SP ———	DELUGE VALVE	
SPRINKLER PIPE	————— SPR ———	FIRE DEPARTMENT VALVE	
DRAIN	————— D ———	INSPECTOR'S TEST CONNECTION	
COMB. SPRINKLER & STANDPIPE	————— S ———	WALL INDICATOR VALVE	
DRY PIPE	————— DP ———	FLOOR STAND VALVE	
DELUGE	————— DL ———	FLOW SWITCH	
SPECIALTIES		VALVE IN DROP	
FIRE EXTINGUISHER	○ FE	VALVE IN RISE	
FIRE EXTINGUISHER CABINET	□ FEC	SPRINKLER HEADS	
FIRE HOSE CABINET	□ FHC	UPRIGHT	○
FIRE HOSE/EXTINGUISHER CABINET	□ FHEC	PENDANT	●
FIRE HOSE RACK	□ FHR	FLUSH/CONCEALED	⊖
FIRE VALVE CABINET	□ FVC	RECESSED	⊗
WATER MOTOR GONG	⊙	SIDEWALL	◀
ELECTRIC ALARM BELL	⊙	NON-FREEZE PENDANT	⊙ N
GAUGE	⊙	NON-FREEZE SIDEWALL	◀ N
WALL TYPE SIAMESE CONNECTION		EXTENDED THROW SIDEWALL	◀
TEST CONNECTION		SPRINKLER HEAD WITH DEFLECTOR	⊙
ROOF HYDRANT		EXISTING SPRINKLER HEAD TO REMAIN	○ E
UNION		EXISTING SPRINKLER HEAD TO BE REMOVED	○ R
SIGHT GLASS	⊙	MISCELLANEOUS	
FIRE RATED OR WATER TIGHT PIPE SLEEVE		CONNECT TO EXISTING	
DETECTOR CHECK VALVE		DENOTES ITEM PROVIDED BY ANOTHER CONTRACTOR, SHOWN FOR COORDINATION OR REFERENCE	
DETECTOR CHECK VALVE WITH BYPASS METER			
PRESSURE SWITCH			
STRAINER			



2 DETAIL SPRINKLER - WET PIPE RISER PIPING (ELECTRIC BELL) N.T.S.



- GENERAL NOTE:** NO. 2 TYPICAL FOR ANY STYLE OF CEILING TILE
- GENERAL NOTES:** (APPLY TO ALL SHEETS)
- SEE SKETCHES ABOVE FOR TYPICAL SPRINKLER HEAD LOCATION FOR VARIOUS CEILING TILE CONFIGURATIONS. COORDINATE WITH ARCHITECTURAL FINISH SCHEDULES AND DETAILS.
 - THE FIRE PROTECTION CONTRACTOR SHALL REFER TO THE REFLECTED CEILING PLAN FOR COORDINATION OF THE SPRINKLER LOCATIONS.

3 DETAIL SPRINKLER LOCATIONS IN VARIOUS CEILING TILE TYPES N.T.S.

Drawing Issue Dates

Design Development Submittal	11/17/2023
50% Construction Documents	08/15/2024
90% Construction Documents	01/15/2025
Bid Set / Permit Set	02/14/2025

Revision Schedule

#	Description	Date
---	-------------	------

Bicentennial Barn -
McCammom Creek
Park

6844 Bale Kenyon Rd
Lewis Center, OH 43035



GROUND FLOOR
FIRE PROTECTION
PLAN

F201

02/14/2025

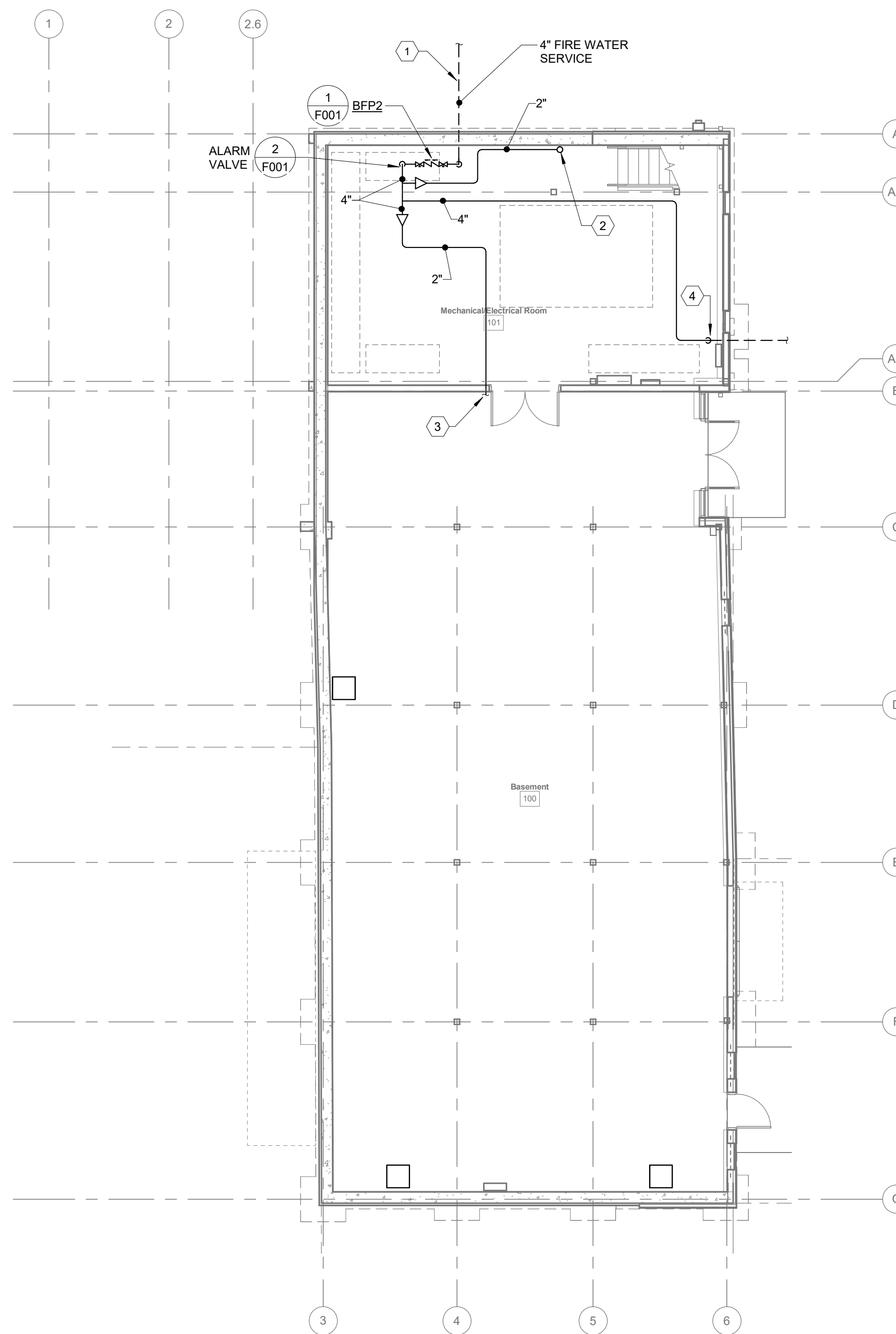
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GENERAL NOTES:

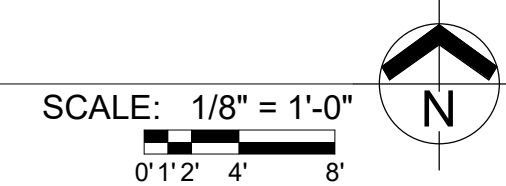
1. ALL AREAS OF THE BUILDING SHALL BE PROVIDED WITH A WET PIPE SPRINKLER SYSTEM DESIGNED PER NFPA 13, UNLESS NOTED OTHERWISE.

CODED NOTES:

1. 4" FIRE SERVICE LINE TO BE EXTENDED TO 5'-0" FROM BUILDING BY SITE UTILITY CONTRACTOR. COORDINATE LOCATION OF THIS LINE AND EXTEND 4" INTO THE BUILDING.
2. 2" SPRINKLER RISER UP TO FIRST FLOOR. COORDINATE EXACT LOCATION WITH ARCHITECTURAL DRAWINGS.
3. EXTEND TO SPRINKLER HEADS SERVING GROUND FLOOR.
4. 4" FIRE LINE SERVING THE REMOTE MOUNTED FIRE DEPARTMENT CONNECTION (SIAMESE) TO DROP AND EXTEND UNDERGROUND TO A POINT 5' FROM THE BUILDING. COORDINATE EXACT LOCATION WITH SITE UTILITY CONTRACTOR.



1 FLOOR PLAN
GROUND FLOOR



KORDA
KORDA NEMETH ENGINEERING
1650 WATERMARK DRIVE
SUITE 200
COLUMBUS, OHIO 43215
DRAWN BY: Ann Guan
DESIGNED BY: Paul Carr
CHECKED BY: Eric Stephens
PROJECT NUMBER: 2023-0006

Drawing Issue Dates

Design Development Submittal
 11/17/2023

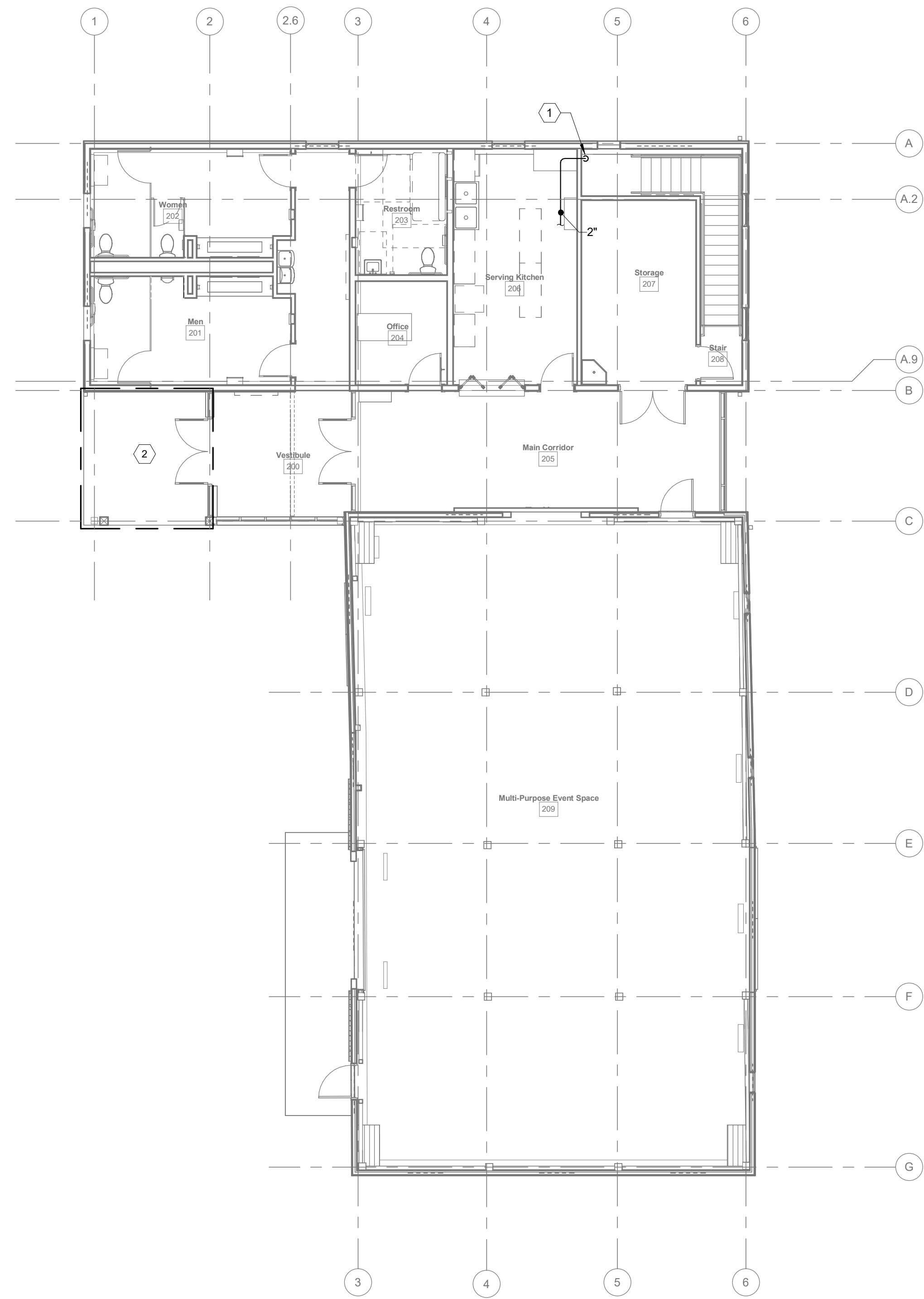
50% Construction Documents
 08/15/2024

90% Construction Documents
 01/15/2025

Bid Set / Permit Set
 02/14/2025

Revision Schedule		
#	Description	Date

- GENERAL NOTES:**
- ALL AREAS OF THE BUILDING SHALL BE PROVIDED WITH A WET PIPE SPRINKLER SYSTEM DESIGNED PER NFPA 13, UNLESS NOTED OTHERWISE.
- CODED NOTES:**
- 2" SPRINKLER MAIN TO RISE FROM GROUND FLOOR LEVEL WITHIN CHASE IN STORAGE ROOM.
 - PROVIDE FREEZE-RESISTANT SIDEWALL SPRINKLER HEADS TO SERVE ENTRY OVERHANG FROM INTERIOR OF BUILDING.



1 FLOOR PLAN
 MAIN FLOOR

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

0' 1' 2' 4' 8'

N

KORDA
 KORDA NEMETH ENGINEERING
 1650 WATERMARK DRIVE
 SUITE 200
 COLUMBUS, OHIO 43215

DRAWN BY: Ann Guan
 DESIGNED BY: Paul Carr
 CHECKED BY: Eric Stephens
 PROJECT NUMBER: 2023-0006

Bicentennial Barn - McCammon Creek Park

6844 Bale Kenyon Rd
 Lewis Center, OH 43035



MAIN FLOOR FIRE PROTECTION PLAN

F202

02/14/2025

23070

PLUMBING SYMBOLS LIST	
NOTE: ALL SYMBOLS NOT NECESSARILY USED	
GENERAL	VALVES
EXISTING TO REMAIN	BACKFLOW PREVENTER
EXISTING TO BE REMOVED	BALANCING/SHUT-OFF VALVE WITH GAUGE TAPPINGS
EXISTING TO BE ABANDONED	BALL VALVE
FUTURE	BUTTERFLY VALVE
FLOW ARROW	CHECK VALVE
UNDER FLOOR PIPING	GAS PRESSURE REGULATOR
	GATE VALVE
	GLOBE VALVE
	PLUG VALVE
	PRESSURE REDUCING VALVE
	PRESSURE RELIEF VALVE
	SOLENOID VALVE
	STRAINER
PIPING	
WATER SERVICE	
DOMESTIC COLD WATER	
SOFT WATER	
DOMESTIC HOT WATER (XXX°F)	
TEMPERED WATER (XXX°F)	
DOMESTIC HOT WATER RETURN (XXX°F)	
RAW WATER	
DISTILLED WATER	
DEIONIZED WATER	
SANITARY	
ACID WASTE	
HOT WASTE	
INDIRECT WASTE	
COMBINATION SEWER	
FAT, OIL AND GREASE WASTE	
STORM	
UNDER DRAIN	
EMERGENCY STORM	
PUMPED DISCHARGE	
VENT	
ACID VENT	
FUEL OIL SUPPLY	
FUEL OIL RETURN	
FUEL OIL VENT	
NATURAL GAS	
PROPANE	
MEDICAL OXYGEN	
MEDICAL AIR	
INSTRUMENT AIR	
COMPRESSED AIR	
VACUUM	
VACUUM CLEANING	
MEDICAL VACUUM	
WASTE GAS DISPOSAL	
NITROGEN	
NITROUS OXIDE	
CARBON DIOXIDE	
	SPECIALTIES AND MISCELLANEOUS
	CAPPED PIPE
	PIPE SLEEVE
	FLEXIBLE CONNECTION
	GAUGE
	METER
	P-TRAP
	PIPE DROP
	PIPE RISE
	THERMOMETER
	THROUGH FLOOR AT LEVEL SHOWN
	UNION
	VENT THROUGH ROOF (VTR)
	CLEANOUT
	WALL HYDRANT (FREEZE PROOF)
	HOSE BIBB
	YARD HYDRANT
	SHOCK ABSORBER
	FLOOR OR AREA DRAIN
	ROOF DRAIN
	CONNECT TO EXISTING
	VALVE IN RISER/DROP
	HEAT TRACED PIPE
	DENOTES ITEM PROVIDED BY ANOTHER CONTRACTOR, SHOWN FOR COORDINATION OR REFERENCE
	MEDICAL OXYGEN OUTLET
	MEDICAL AIR OUTLET
	MEDICAL VACUUM OUTLET
	CARBON DIOXIDE OUTLET
	NITROGEN OUTLET
	NITROUS OXIDE OUTLET
	INSTRUMENT AIR OUTLET
	SLIDE
	WASTE ANESTHESIA GAS DISPOSAL

GENERAL NOTES - PLUMBING (APPLY TO ALL PLUMBING DRAWINGS)

- THE SYSTEM DESIGN IS BASED ON THE LATEST EDITION OF THE OHIO PLUMBING CODE, INCLUDING ALL AMENDMENTS THROUGH THE DATE OF DRAWING ISSUE.
- FINISHED FIRST FLOOR ELEVATION IS 100.00'. U.N.O. (USGS ELEVATION 857.0).
- INVERTS AND LOCATIONS SHOWN FOR PIPING CONNECTIONS TO THE VARIOUS SITE UTILITIES HAVE BEEN COORDINATED WITH THE CIVIL ENGINEER'S DOCUMENTS PRIOR TO BIDDING. CONTRACTOR SHALL VERIFY INVERTS, PIPE SIZES, AND LOCATIONS WITH SITE CONTRACTOR PRIOR TO ANY INSTALLATION. REPORT ANY DISCREPANCIES TO THE ARCHITECT.
- COORDINATE ALL PIPING WITH CEILING ELEVATIONS, STRUCTURE, MECHANICAL AND ELECTRICAL WORK. UNLESS DESIGNATED AS BELOW SLAB, ALL PIPING IS INTENDED TO BE CONCEALED ABOVE FINISHED CEILING IN AREAS WITH CEILINGS. IF THERE IS NO CEILING, COORDINATE PIPING TO RUN AS HIGH AS POSSIBLE. DO NOT INSTALL PIPING IN FRONT OF OR OVER TOP OF ELECTRICAL SWITCH GEAR OR PANELS.
- ALL DOWNSPOUTS, STACKS, RISERS, ETC. SHALL BE CAREFULLY INSTALLED SO AS TO BE CONCEALED BY FINISHED CONSTRUCTION. WHERE PIPING IS EXPOSED, LOCATIONS SHALL BE COORDINATED WITH OTHER TRADES.
- UNLESS NOTED OTHERWISE, SLOPE ALL SANITARY AND STORM PIPING AT NO LESS THAN 1/8" PER FOOT. ALL SANITARY PIPING SMALLER THAN 3" SHALL BE SLOPED AT NO LESS THAN 1/4" PER FOOT.
- REFER TO PIPING DIAGRAMS, DETAILS, AND STACKS FOR PIPING AND PIPE SIZES NOT SHOWN ON THE FLOOR PLANS. PIPE SIZES SERVING INDIVIDUAL FIXTURES ARE INDICATED ON THE PLUMBING FIXTURE SCHEDULE.
- ALL FLOOR DRAINS ARE CONSIDERED "EMERGENCY FLOOR DRAIN" UNLESS DFU'S ARE ASSIGNED. ALL FLOOR DRAINS SHALL BE PROVIDED WITH ASSE 1072 COMPLIANT BARRIER TYPE TRAP SEAL.
- PROVIDE ISOLATION VALVES IN ALL SUPPLY BRANCHES SERVING MULTIPLE FIXTURES. PROVIDE ADDITIONAL ISOLATION VALVES AS SHOWN ON THE DRAWINGS. PROVIDE BALANCING VALVES ON ALL HOT WATER RETURN PIPE BRANCHES.
- SEAL ALL THROUGH FLOOR PENETRATIONS AIR AND WATER TIGHT.
- ALL EXPOSED INSULATED PIPING IN FINISHED AREAS SHALL HAVE A PVC JACKET.
- MAKE ALL CONNECTIONS TO KITCHEN EQUIPMENT. PROVIDE SHUT - OFF VALVES, UNIONS, SUPPLIES, AND WASTES REQUIRED FOR A COMPLETE CONNECTION. SUPPLIES TO KITCHEN FAUCETS AT SINKS SHALL HAVE CHECK VALVES. ALL UNDERGROUND WASTE PIPING IN KITCHEN AREAS SHALL BE CAST IRON.

PLUMBING SHEET INDEX	
SHEET NUMBER	SHEET NAME
P001	PLUMBING INDEX SHEET
P200	UNDERFLOOR PLUMBING PLAN
P201	GROUND FLOOR PLUMBING PLAN
P202	MAIN FLOOR PLUMBING PLAN
P501	PLUMBING SCHEDULES
P601	PLUMBING DETAILS
P701	PLUMBING STACKS



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614.487.1650
Barn Consultant
Mt. Vernon Barn Co.
7076 Co. Rd 10, Fredericktown, OH 43019
614.624.2049

Drawing Issue Dates
Design Development Submittal 11/17/2023
50% Construction Documents 08/15/2024
90% Construction Documents 01/15/2025
Bid Set / Permit Set 02/14/2025

Revision Schedule		
#	Description	Date

Bicentennial Barn - McCammon Creek Park

6844 Bale Kenyon Rd
Lewis Center, OH 43035



PLUMBING INDEX SHEET

P001

02/14/2025
23070

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KORDA NEMETH ENGINEERING
1650 WATERMARK DRIVE
SUITE 200
COLUMBUS, OHIO 43215
DRAWN BY: Ann Guan
DESIGNED BY: Paul Carr
CHECKED BY: Eric Stephens
PROJECT NUMBER: 2023-0006

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50% Construction Documents
08/15/2024

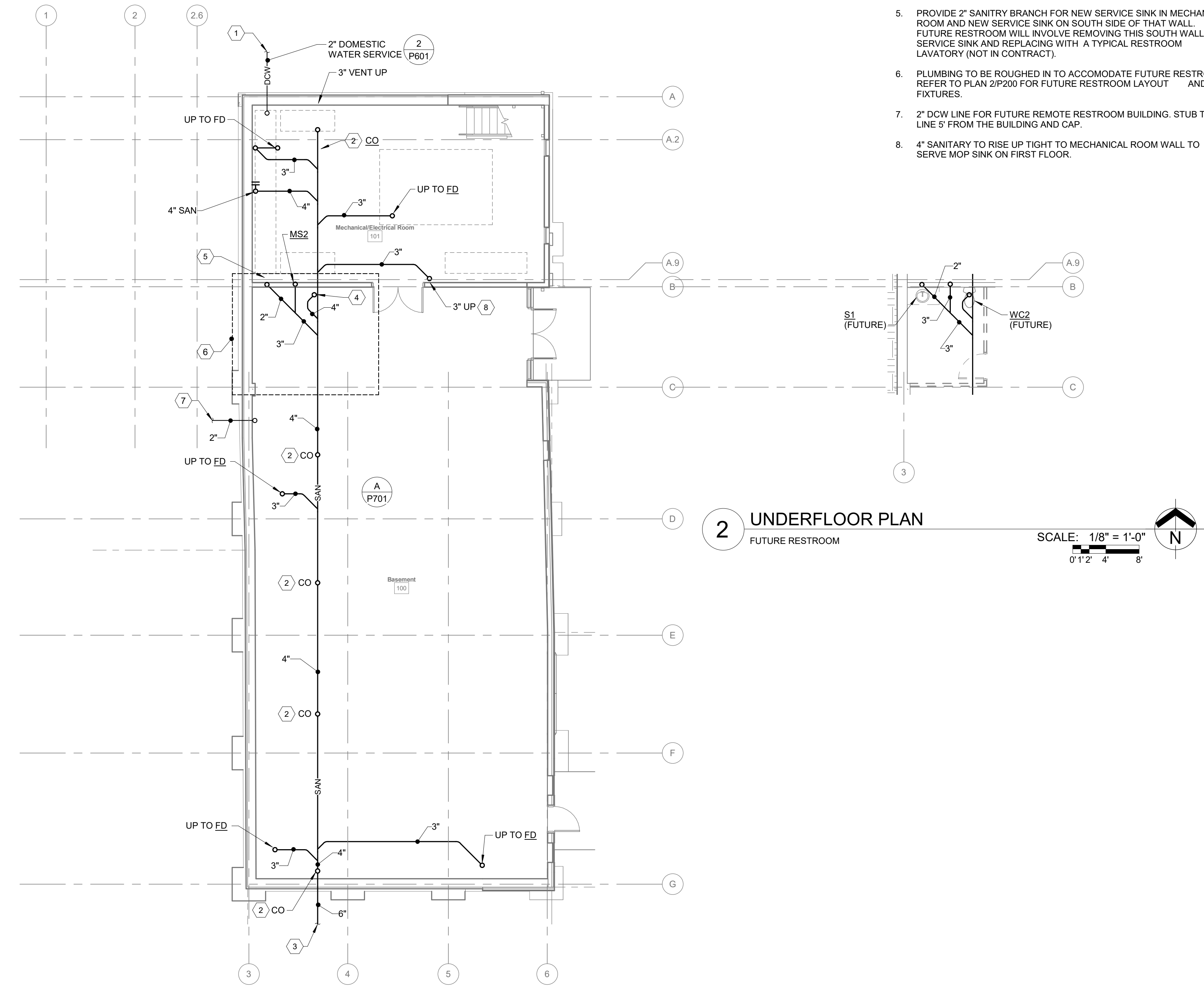
90% Construction Documents
01/15/2025

Bid Set / Permit Set
02/14/2025

Revision Schedule		
#	Description	Date

CODED NOTES:

- 2" DOMESTIC WATER SERVICE LINE TO BE EXTENDED TO 5'-0" FROM BUILDING BY SITE UTILITY CONTRACTOR. COORDINATE LOCATION OF THIS LINE AND EXTEND 2" LINE INTO THE BUILDING.
- PROVIDE CLEANOUTS AS SHOWN TO IDENTIFY UNDERFLOOR SANITARY LOCATION FOR FUTURE CONNECTION.
- PLUMBING CONTRACTOR TO EXTEND SANITARY LINE 5'-0" FROM BUILDING. COORDINATE LEAVING ELEVATION AND TERMINATION POINT WITH SITE UTILITY CONTRACTOR.
- PROVIDE 4" SANITARY ROUGH-IN CONNECTION FOR FUTURE WATER CLOSET.
- PROVIDE 2" SANITARY BRANCH FOR NEW SERVICE SINK IN MECHANICAL ROOM AND NEW SERVICE SINK ON SOUTH SIDE OF THAT WALL. FUTURE RESTROOM WILL INVOLVE REMOVING THIS SOUTH WALL SERVICE SINK AND REPLACING WITH A TYPICAL RESTROOM LAVATORY (NOT IN CONTRACT).
- PLUMBING TO BE ROUGHED IN TO ACCOMMODATE FUTURE RESTROOM. REFER TO PLAN 2/P200 FOR FUTURE RESTROOM LAYOUT AND FIXTURES.
- 2" DCW LINE FOR FUTURE REMOTE RESTROOM BUILDING. STUB THE LINE 5' FROM THE BUILDING AND CAP.
- 4" SANITARY TO RISE UP TIGHT TO MECHANICAL ROOM WALL TO SERVE MOP SINK ON FIRST FLOOR.



1 UNDERFLOOR PLAN
GROUND FLOOR
SCALE: 1/8" = 1'-0"
0' 1' 2' 4' 8'

2 UNDERFLOOR PLAN
FUTURE RESTROOM
SCALE: 1/8" = 1'-0"
0' 1' 2' 4' 8'

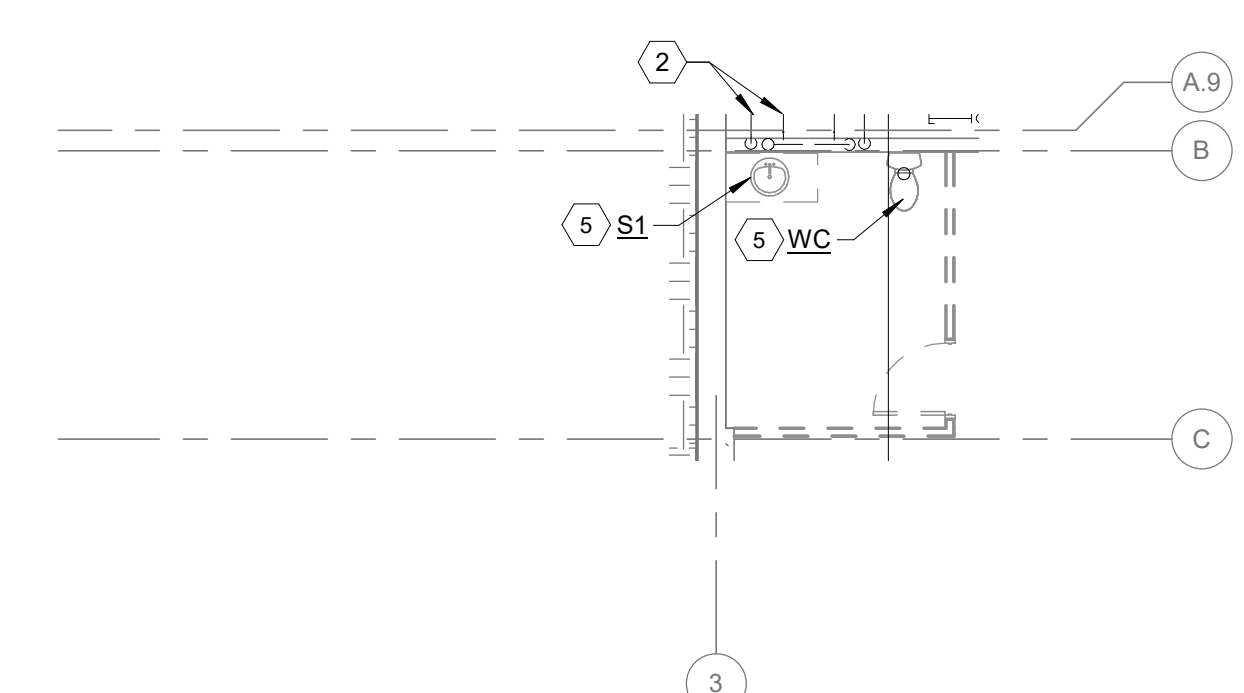
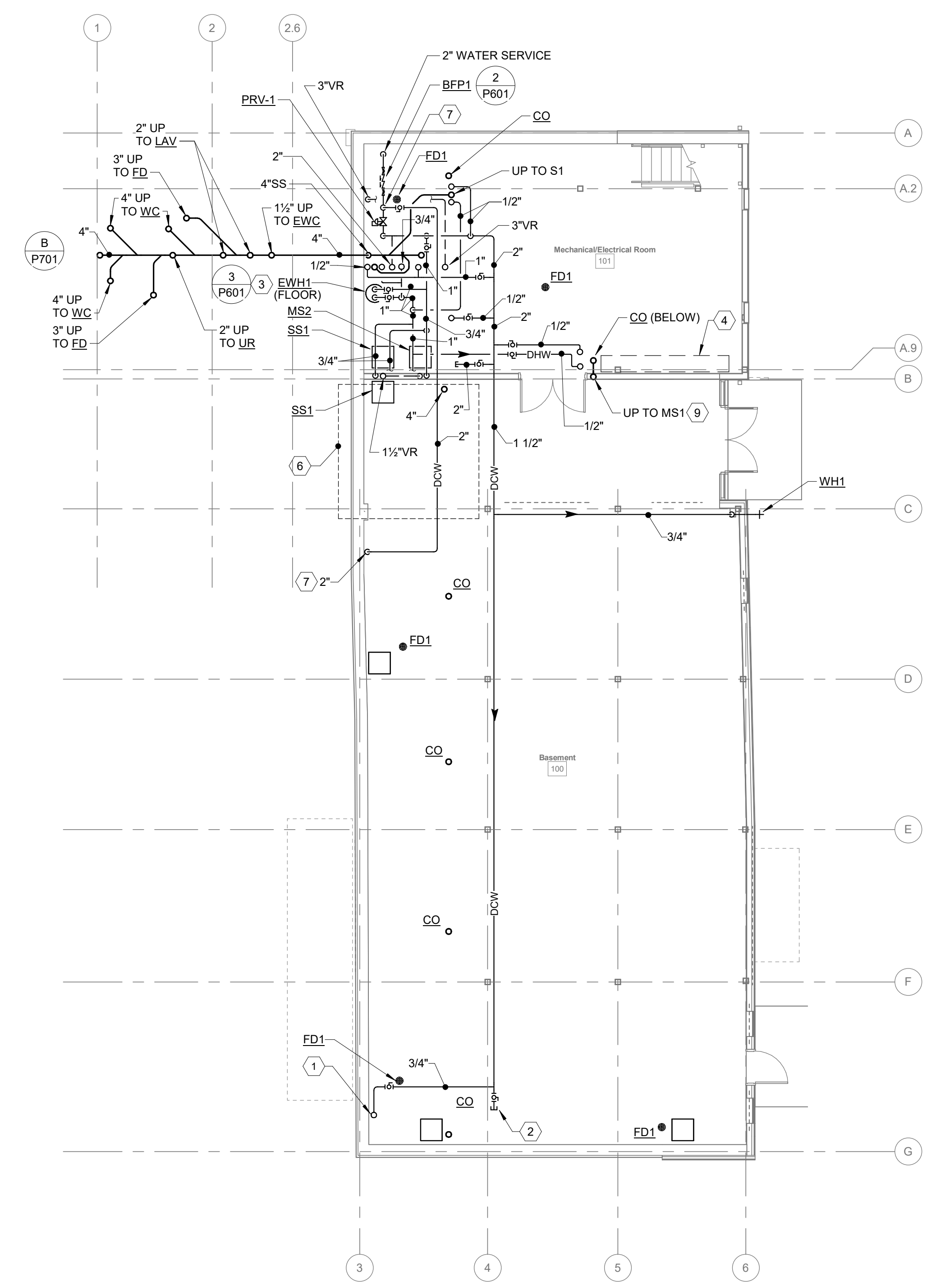
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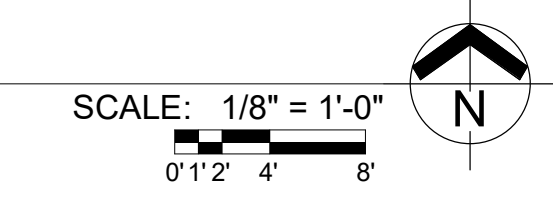
Revision Schedule

#	Description	Date
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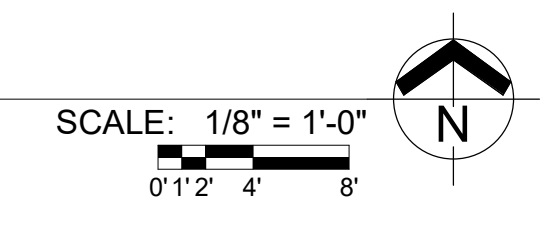
- CODED NOTES:
- 3/4" DCW TO RISE UP WITHIN ARCHITECTURAL WINDOW SEAT TO SERVE FIRST FLOOR WALL HYDRANT.
 - PROVIDE 3/4" DCW BRANCH WITH VALVE AND CAP FOR FUTURE LAVATORY CONNECTION.
 - FLOOR MOUNTED ELECTRIC WATER HEATER TO BE MOUNTED ON 4" CONCRETE HOUSEKEEPING PAD.
 - ELECTRICAL PANELS AND EQUIPMENT. AVOID ROUTING ANY PIPING WITHIN THIS AREA.
 - RESTROOM TO BE FINISHED IN FUTURE PHASE. PLUMBING FIXTURES SHOWN ARE FOR REFERENCE ONLY AND NOT IN THIS CONTRACT.
 - PLUMBING TO BE ROUGHED IN TO ACCOMMODATED FUTURE RESTROOM. REFER TO PLAN 2/P200 FOR FUTURE RESTROOM LAYOUT AND FIXTURES.
 - PROVIDE 2" DEDICATED BRANCH LINE DOWNSTREAM OF BACKFLOW PREVENTER (UPSTREAM OF PRV) WITH ISOLATION VALVE. BRANCH TO SERVE FUTURE REMOTE RESTROOM BUILDING ONLY. CLEARLY LABEL "FOR FUTURE REMOTE RESTROOM BUILDING ONLY".
 - DOMESTIC WATER PRESSURE REDUCING VALVE.
 - 4" SANITARY RISER TO MOP SINK ON FIRST FLOOR. OFFSET PIPE TIGHT TO UNDERSIDE OF STRUCTURE. PROVIDE CLEANOUT ON RISER 24" A.F.F.



2 FLOOR PLAN
FUTURE RESTROOM



1 FLOOR PLAN
GROUND FLOOR



Bicentennial Barn -
McCammon Creek
Park

6844 Bale Kenyon Rd
Lewis Center, OH 43035



GROUND FLOOR
PLUMBING PLAN

P201

02/14/2025

23070

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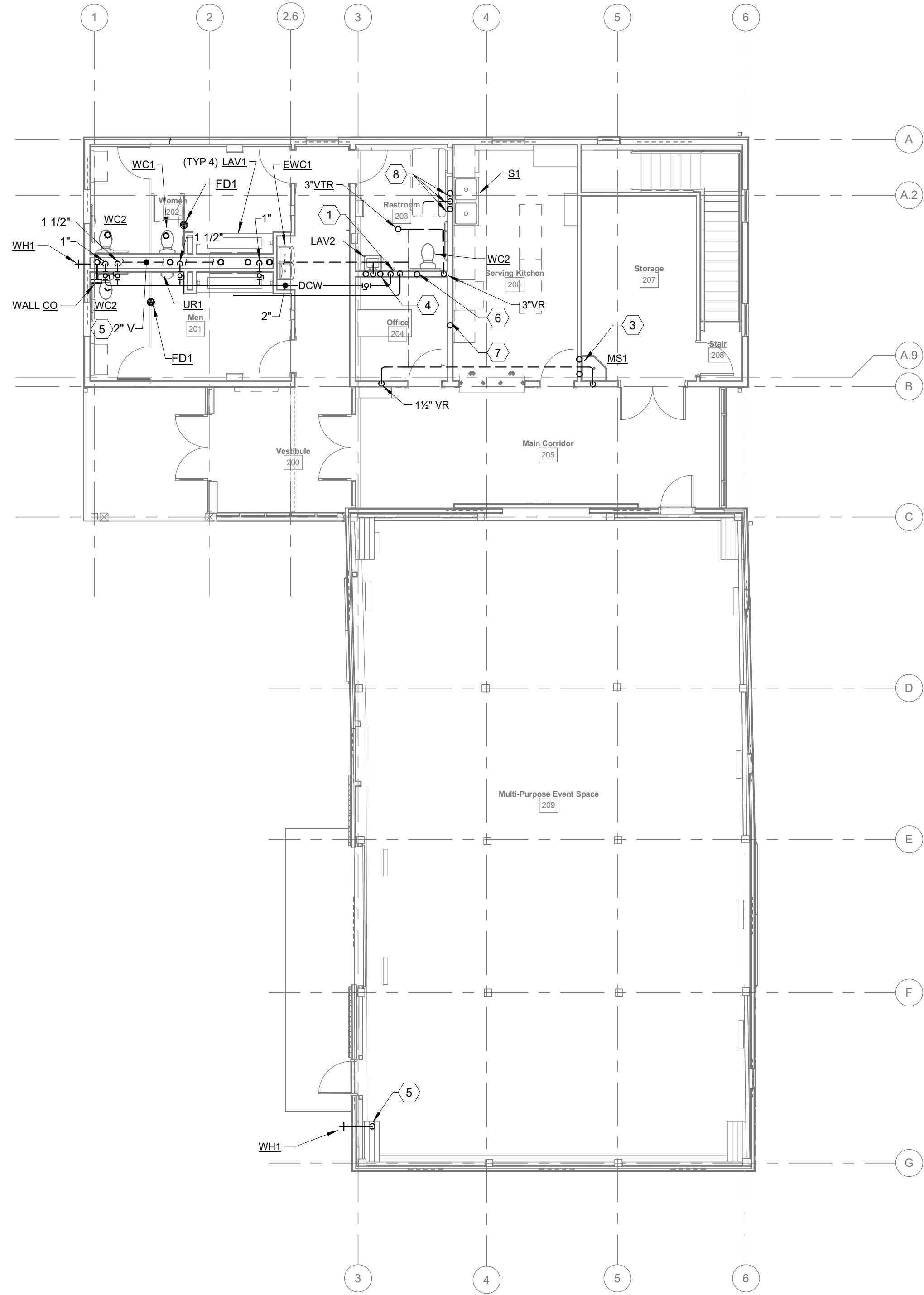
MAIN FLOOR PLUMBING PLAN

P202

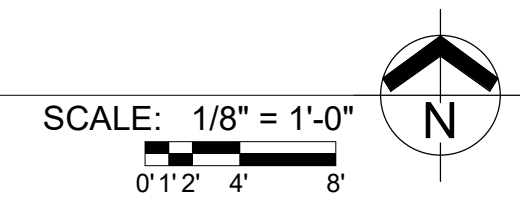
02/14/2025

23070

- CODED NOTES:**
1. 2" DCW AND 3/4" DHW LINE IN CHASE TO SERVE MAIN TOILET ROOM.
 2. PLUMBING STACK WITH CIRCUIT VENT RUNNING WITHIN CHASE APPROXIMATELY 5'-0" ABOVE FINISHED FLOOR.
 3. 1/2" DCW AND DHW LINES IN STUD WALL TO SERVE MOP SINK FAUCET.
 4. 1/2" DCW AND DHW LINES IN CHASE TO SERVE SINK.
 5. 1/2" DCW DROP IN ARCHITECTURAL WINDOW SEAT.
 6. 1" DCW IN STUD WALL TO SERVE WATER CLOSET.
 7. 1/2" DCW IN STUD WALL TO WALL BOX MOUNTED 24" A.F.F. MAKE FINAL CONNECTION TO REFRIGERATOR/FREEZER ICE MAKER LINE.
 8. 2" SAN, 1/2" DCW, AND 1/2" DHW IN STUD WALL TO SERVE KITCHEN SINK. PROVIDE ANGLE STOPS UNDER SINK AND MAKE FINAL WATER CONNECTIONS TO FAUCET. MAKE FINAL DRAIN CONNECTION TO GARBAGE DISPOSAL OUTLET.



1 FLOOR PLAN
MAIN FLOOR



KORDA
KORDA NEMETH ENGINEERING
1650 WATERMARK DRIVE
SUITE 200
COLUMBUS, OHIO 43215

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PLUMBING EQUIPMENT SCHEDULE				
TAG	DESCRIPTION	MFR & MODEL	ELEC. REQ.	REMARKS
WB1	WALL BOX	GUY GRAY MIB1AB	-	1/2" COLD
WB2	WALL BOX	GUY GRAY MIB1AB	-	1/2" COLD AND 2" DRAIN.
EW1	ELECTRIC WATER HEATER GROUND FLOOR MECH ROOM	A.O. SMITH DEN 40	4 KW, 208 V, 1PH	50 GALLON TANK (46 GAL RATED STORAGE VOLUME); 6 KW HEATER, 208 VOLT, 1 PHASE, 34 GAL/HOUR RECOVERY AT 72 DEG TEMP RISE/
WH1	EXTERIOR WALL HYDRANT	JAY R. SMITH 5509QT	-	3/4" COLD WATER CONNECTION

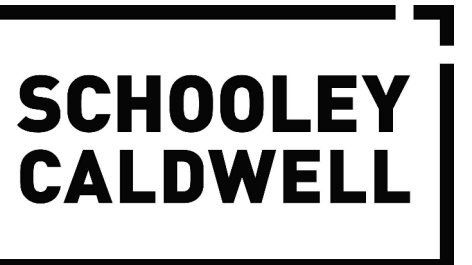
DRAIN SCHEDULE			
TAG	DESCRIPTION	MFR & MODEL	REMARKS
FD1	FLOOR DRAIN	ZURN Z415B	CAST IRON BODY, INVERTIBLE MEMBRANE CLAMP, ADJUSTABLE COLLAR, 5" POLISHED NICKEL-BRONZE STRAINER, VANDAL-PROOF TOP, SIZE AS INDICATED ON DRAWINGS.

PLUMBING FIXTURE SCHEDULE														
MANUFACTURERS AS INDICATED SERVE AS BASIS OF DESIGN. FOR ADDITIONAL ACCEPTABLE MANUFACTURERS, REFER TO SPECIFICATIONS.														
1 = WALL MOUNTED 3 = FULLY RECESSED 5 = COUNTERTOP 7 = STAINLESS STEEL 9 = FIBERGLASS 11 = MOLDED STONE 13 = CAST IRON 15 = CHROME PLATED 17 = AS INDICATED 2 = FLOOR MOUNTED 4 = SEMI-RECESSED 6 = VITREOUS CHINA 8 = STEEL 10 = PRECAST TERRAZO 12 = BRASS 14 = WHITE 16 = AS PER MFR. STANDARD 18 = PLASTIC POLYMER														
TAG	ADA	DESCRIPTION	PIPE CONNECTIONS				MFR. AND MODEL NUMBER	MOUNTING	MATERIAL	COLOR	CARRIER	FITTINGS AND TRIM - MFR. AND MODEL NO.		REMARKS
			SAN	VENT	DCW	DHW						FLUSH VALVE, FAUCET or MIXING VALVE	STRAINER	
WC1		WATER CLOSET (TOILET ROOMS)	4"	2"	1"	-	AMERICAN STANDARD 3451.001	2	6	14	-	SLOAN ROYAL 110	-	FLOOR MOUNT, FLOOR OUTLET, TOP SPUD, 15" RIM HEIGHT, ELONGATED, ANTI-MICROBIAL SURFACE. FLUSH VALVE: MANUAL, EXPOSED, DIAPHRAGM TYPE, 1.6 GPF, SEAT: BEMIS 315SSCT, OPEN FRONT, LESS COVER, ANTI-MICROBIAL SURFACE, EXTRA HEAVY DUTY, SELF SUSTAINING CHECK HINGES, STAINLESS STEEL POSTS.
WC2	●	WATER CLOSET (TOILET ROOMS)	4"	2"	1"	-	AMERICAN STANDARD 3461.001	2	6	14	-	SLOAN ROYAL 110	-	FLOOR MOUNT, FLOOR OUTLET, TOP SPUD, 16-1/2" RIM HEIGHT, ELONGATED, ANTI-MICROBIAL SURFACE. FLUSH VALVE: MANUAL, EXPOSED, DIAPHRAGM TYPE, 1.6 GPF, SEAT: BEMIS 315SSCT, OPEN FRONT, LESS COVER, ANTI-MICROBIAL SURFACE, EXTRA HEAVY DUTY, SELF SUSTAINING CHECK HINGES, STAINLESS STEEL POSTS.
UR1	●	URINAL (TOILET ROOMS)	2"	1-1/2"	3/4"	-	AMERICAN STANDARD "WASHBROOK" 6590.001	1	6	14	Y	SLOAN ROYAL 186	-	SIPHON JET, 3/4" INLET SPUD, 2" OUTLET SPUD. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT. FLUSH VALVE: MANUAL, 1.0 GPF, 1-1/2" TOP SPUD, TRUE MECHANICAL OVERRIDE.
LAV 1	●	LAVATORY (TOILET ROOMS)	1-1/2"	1-1/2"	1/2"	1/2"	SINK PART OF COUNTER SPECIFIED BY ARCHITECT	5	6	16	-	CHICAGO 116.606.AB.1	GRID STRAINER WITH OFFSET TAILPIECE	SINK: SINGLE CENTER FAUCET HOLE, FAUCET: HARDWIRED SENSOR-OPERATED, 0.5 GPM NON-AERATING SPRAY, DECK MOUNT, CHROME-PLATED, VANDAL RESISTANT, LESS BATTERIES. PROVIDE TRANSFORMER AND EXTENSION CABLES (LENGTH AS REQUIRED).
LAV 2	●	LAVATORY (FAMILY RESTROOMS)	1-1/2"	1-1/2"	1/2"	1/2"	AMERICAN STANDARD 0356.012 (LUCERNE)	5	6	16	-	CHICAGO 895-317GN2FCAB	GRID STRAINER WITH OFFSET TAILPIECE	FAUCET HOLES ON 4" CENTERS, FRONT OVERFLOW. FAUCET: DECK-MOUNTED, CONCEALED, 5-1/4" GOOSENECK SPOUT, 1.5 GPM LAMINAR FLOW CONTROL IN SPOUT INLET, QUARTER-TURN 4" VANDAL-PROOF WRISTBLADE HANDLES.
S1	●	SINK (SERVIER/CATERING KITCHEN)	1-1/2"	1-1/2"	1/2"	1/2"	REGENCY 600 S22323X	1	7	16	-	REGENCY 600 PRW812	GRID STRAINER	SINK: DOUBLE BOWL, 23"X23"X12" DEEP, 3-1/2" DRAIN BASKET, WITH STAINLESS STEEL LEGS, CROSS BRACING, TWO HOLE 8" CENTERS; SPRAYER: 1.15 GPM WALL MOUNTED PRE-RINSE SPRAYER WITH WALL BRACKET; FAUCET: TWO HOLE 8" CENTERS, BACK MOUNTED, 12" GOOSENECK FAUCET. FIXTURE S1 FURNISHED BY EQUIPMENT SUPPLIER
SS1	●	SERVICE SINK (GROUND FLOOR MECH ROOM)	1-1/2"	1-1/2"	1/2"	1/2"	FIAT SF-1-F	1	17	16	-	T&S BRASS B-0667-WW-POL	GRID STRAINER	SINK: SINGLE BOWL, 19"X19"X14" DEEP PLASTIC POLYMER TUB, INTEGRALLY MOLDED SINGLE DRAIN, 4" MOLDED LEDGE WITH 2 DISH SOAP LOCATIONS, STEEL PAINTED ANGLE LEG SUPPORTS, 3-3/8" CENTER DECK HOLES. FAUCET: METAL CHROME PLATED FAUCET, 3-3/8" CENTER, WITH WALL BRACKET, PAIL HOOK, COLOR INDEXED METAL LEVER HANDLES, VACUUM BREAKER W/QUARTER TURN BALL VALVES
MS1	●	MOP SINK (FIRST FLOOR JANITORS CLOSET)	3"	1-1/2"	1/2"	1/2"	FIAT TSBC 1610	1	10	14	-	T&S BRASS B-0665-BSTR-963	-	ONE PIECE CORNER UNIT, 24"X24"X12" HIGH, 6" HIGH DROP FRONT, 2" WIDE SHOULDERS, SS CAP ON THRESHOLD, 18 GAUGE STAINLESS STEEL WALL GUARDS; FAUCET: METAL CHROME PLATED FAUCET W/WALL BRACKET, PAIL HOOK, COLOR INDEXED METAL LEVER HANDLES, VACUUM BREAKER W/QUARTER TURN BALL VALVES; INCLUDE FLAT TYPE STAINLESS STEEL STRAINER, HOSE, MOP BRACKET AND SILICONE SEALANT. PROVIDE VACUUM BREAKER RATED FOR CONTINUOUS PRESSURE.
MS2	●	MOP SINK (GROUND FLOOR MECH ROOM)	3"	1-1/2"	1/2"	1/2"	FIAT TSB 3000	1	10	14	-	T&S BRASS B-0665-BSTR-963	-	24"X24"X10" HIGH, 6" HIGH DROP FRONT, 2" WIDE SHOULDERS WITH SS CAPS ON ALL CURBS, 18 GAUGE STAINLESS STEEL WALL GUARDS; FAUCET: METAL CHROME PLATED FAUCET W/WALL BRACKET, PAIL HOOK, COLOR INDEXED METAL LEVER HANDLES, VACUUM BREAKER W/QUARTER TURN BALL VALVES; INCLUDE FLAT TYPE STAINLESS STEEL STRAINER, HOSE, MOP BRACKET AND SILICONE SEALANT. PROVIDE VACUUM BREAKER RATED FOR CONTINUOUS PRESSURE.
EW1	●	ELECTRIC WATER COOLER (H-LOW)	2"	1-1/2"	1/2"	-	OASIS PG8EBQSL	1	7	16	16	INTEGRAL	-	MECHANICALLY ACTIVATED BUBBLER NON-FILTERED 8.0 GPH OF 50°F DRINKING WATER AT 80°F INLET WATER TEMPERATURE AND 90°F ROOM TEMPERATURE, 6.0 FLA, 370 W, 120 V, 1PH, 60 HZ, UL LISTED, WALL-MOUNTED UNIT SHALL BE LEAD FREE DESIGN CONFORMING TO NSF / ANSI 61 & 372 INCLUDE ELECTRONIC BOTTLE FILLING STATION & VANDAL - RESISTANT MECHANICAL FRONT BUBBLER BUTTON ACTIVATION.

SHOCK ABSORBER SCHEDULE		
ITEM	FIXTURE UNITS CONNECTED	P. D. I. SYMBOL
SA1	1 - 11	A
SA2	12 - 32	B
SA3	33 - 60	C
SA4	61 - 113	D
SA5	114 - 154	E
SA6	155 - 330	F

CLEANOUT SCHEDULE			
ITEM	DESCRIPTION	MFR & MODEL	ACCESSORIES
CO	CLEANOUT CARPET *	ZURN Z-1400-CM-HD-VP SERIES	ADJUSTABLE CAST IRON BODY WITH THREADED ABS PLUG, HEAVY DUTY NICKEL-BRONZE VANDAL-RESISTANT SCORIATED COVER, VANDAL-RESISTANT S.S. CARPET MARKER, LINE SIZE, CAULK OUTLET
CO	CLEANOUT TILE	ZURN Z-1400-HD-VP	ADJUSTABLE CAST IRON BODY WITH THREADED ABS PLUG, HEAVY DUTY NICKEL-BRONZE VANDAL-RESISTANT ROUND SCORIATED COVER, LINE SIZE, CAULK OUTLET.
CO	CLEANOUT CONCRETE NO VEHICLE TRAFFIC	ZURN Z-1400-HD-VP	ADJUSTABLE CAST IRON BODY WITH THREADED ABS PLUG, HEAVY DUTY NICKEL-BRONZE VANDAL-RESISTANT SCORIATED COVER, LINE SIZE, CAULK OUTLET.
CO	CLEANOUT WALL	ZURN Z-1446-VP	VANDAL-RESISTANT STAINLESS STEEL COVER, STAINLESS STEEL SCREW LENGTH AS REQUIRED, CONTRACTOR TO PROVIDE PIPE WITH THREADED ABS PLUG AND FITTING.

* SUBMIT ANSI CERTIFICATION WITH SHOP DRAWINGS



ARCHITECTURE. INSPIRED.

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PLUMBING
SCHEDULES

P501

02/14/2025

23070

KORDA
KORDA NEMETH ENGINEERING
1650 WATERMARK DRIVE
SUITE 200
COLUMBUS, OHIO 43215
DRAWN BY: Ann Guan
DESIGNED BY: Paul Carr
CHECKED BY: Eric Stephens
PROJECT NUMBER: 2023-0006

Drawing Issue Dates

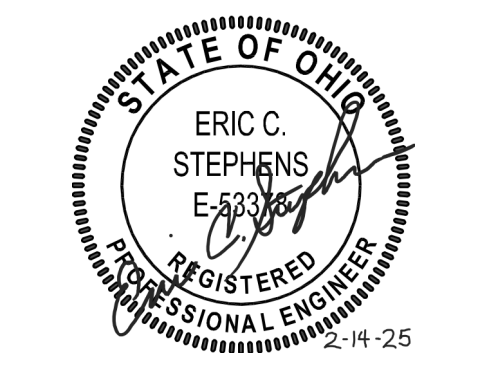
Design Development Submittal	11/17/2023
50% Construction Documents	08/15/2024
90% Construction Documents	01/15/2025
Bid Set / Permit Set	02/14/2025

Revision Schedule

#	Description	Date
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Bicentennial Barn - McCammon Creek Park

6844 Bale Kenyon Rd
 Lewis Center, OH 43035



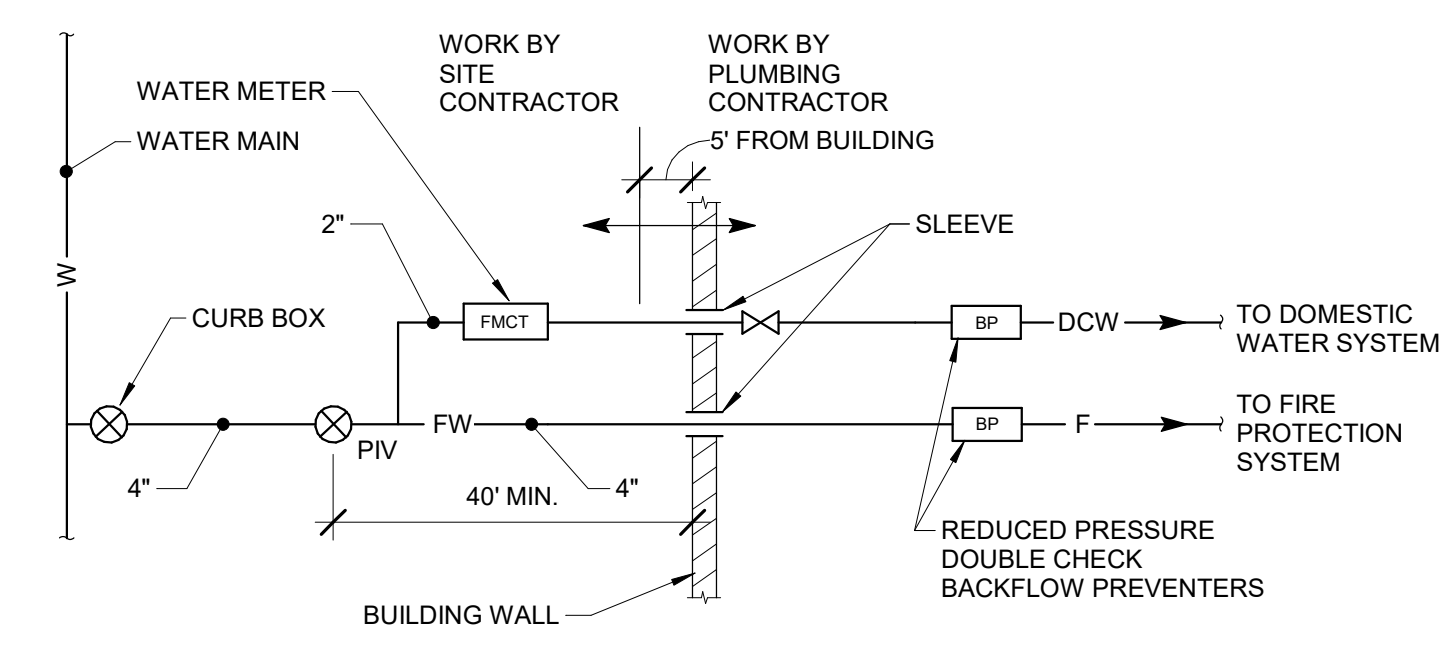
PLUMBING DETAILS

P601

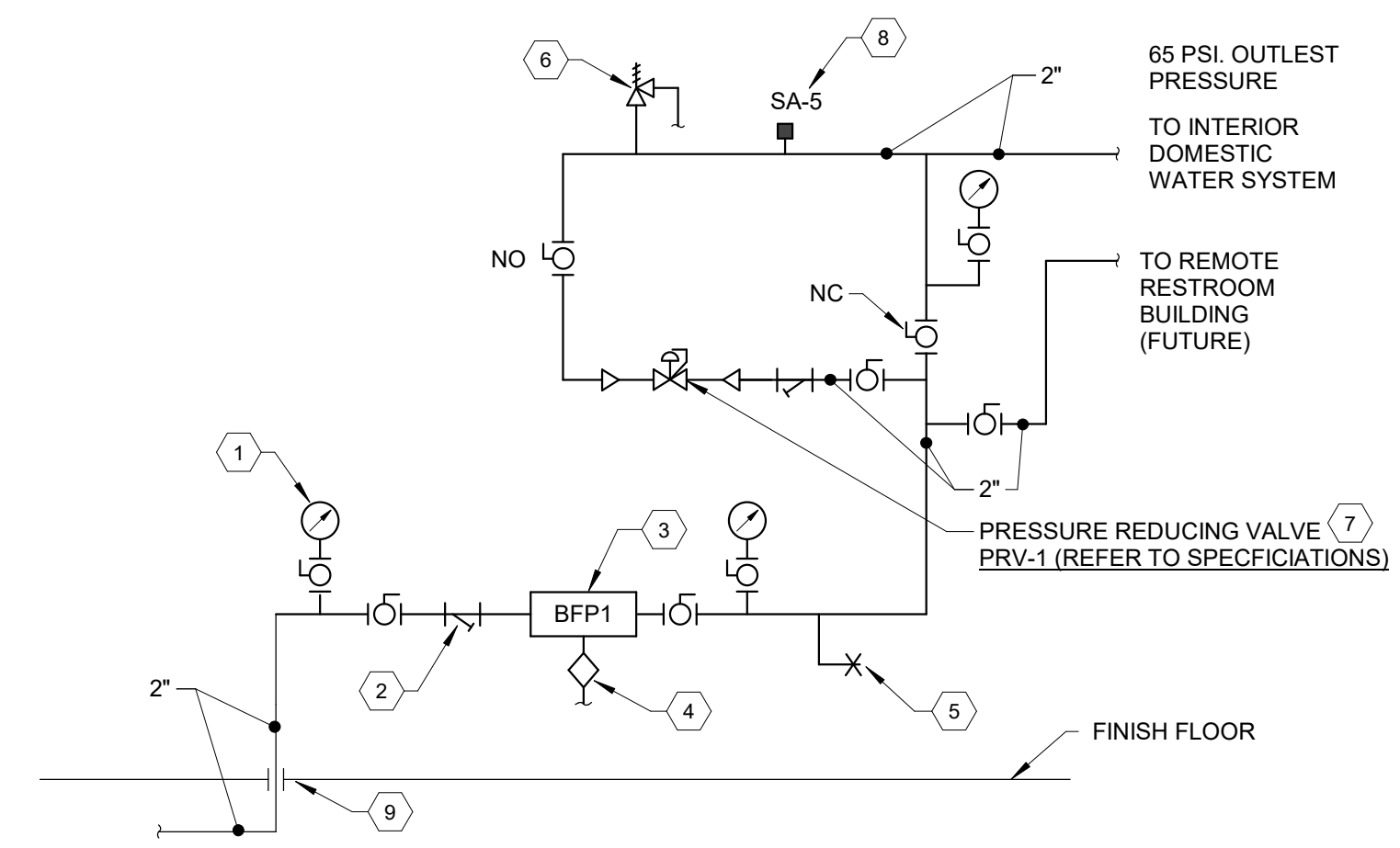
02/14/2025

23070

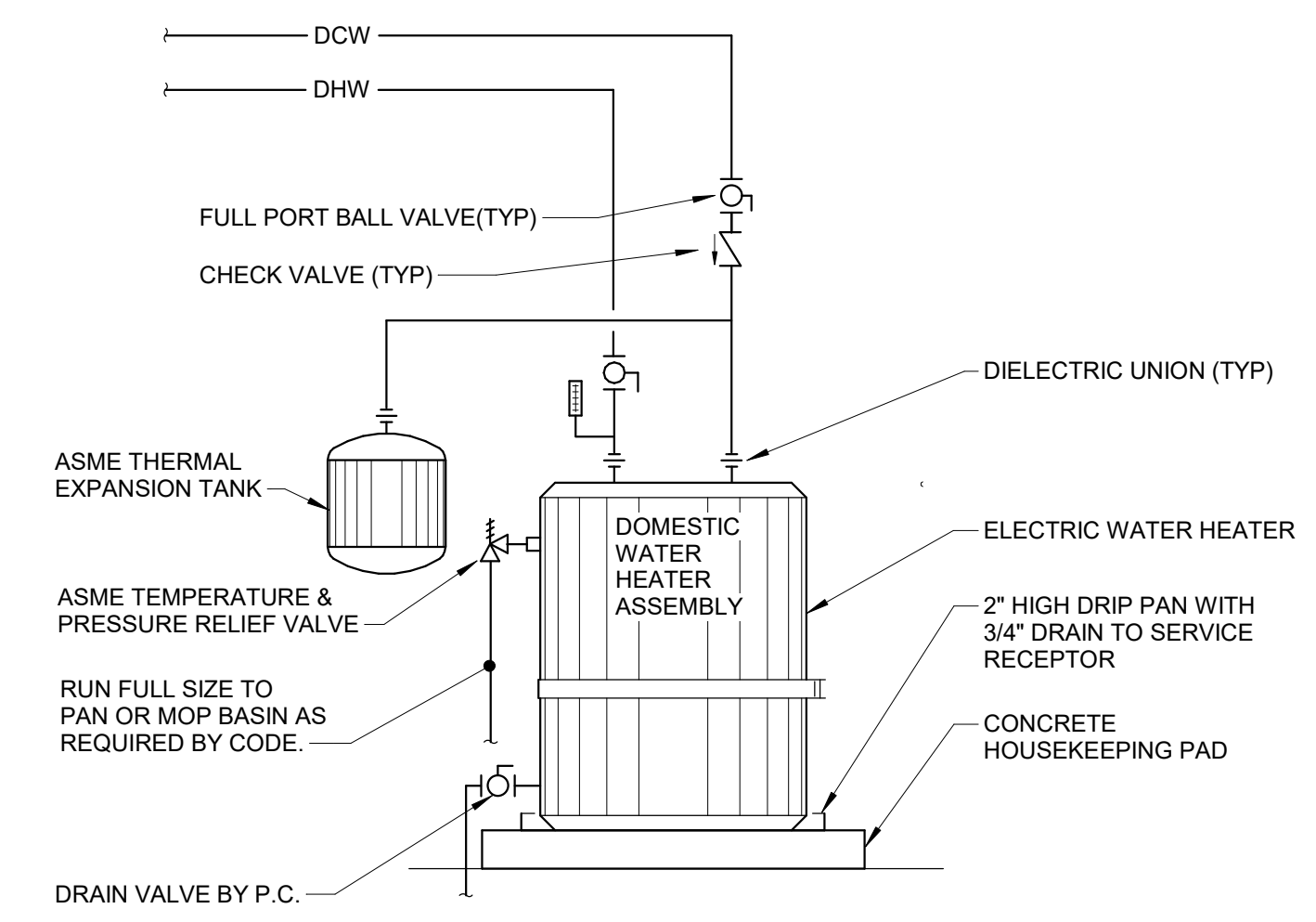
- CODED NOTES**
1. PRESSURE GAUGE (TYPICAL).
 2. STRAINER (TYPICAL).
 3. REDUCED PRESSURE BACKFLOW PREVENTER (LINE SIZE).
 4. ROUTE DRAIN PIPING FULL SIZE FROM BACKFLOW PREVENTER TO NEAREST FLOOR DRAIN. PROVIDE AIR GAP FITTING.
 5. HOSE BIBB TO SERVE AS DRAIN.
 6. 3/4" PRESSURE RELIEF VALVE SET AT SYSTEM TEST PRESSURE. EXTEND PRESSURE RELIEF VALVE DISCHARGE LINE TO FLOOR DRAIN.
 7. PRESSURE REDUCING VALVE SET AT 65 PSI.
 8. SHOCK ABSORBER.
 9. SLEEVE WITH WATER-TIGHT SEAL.



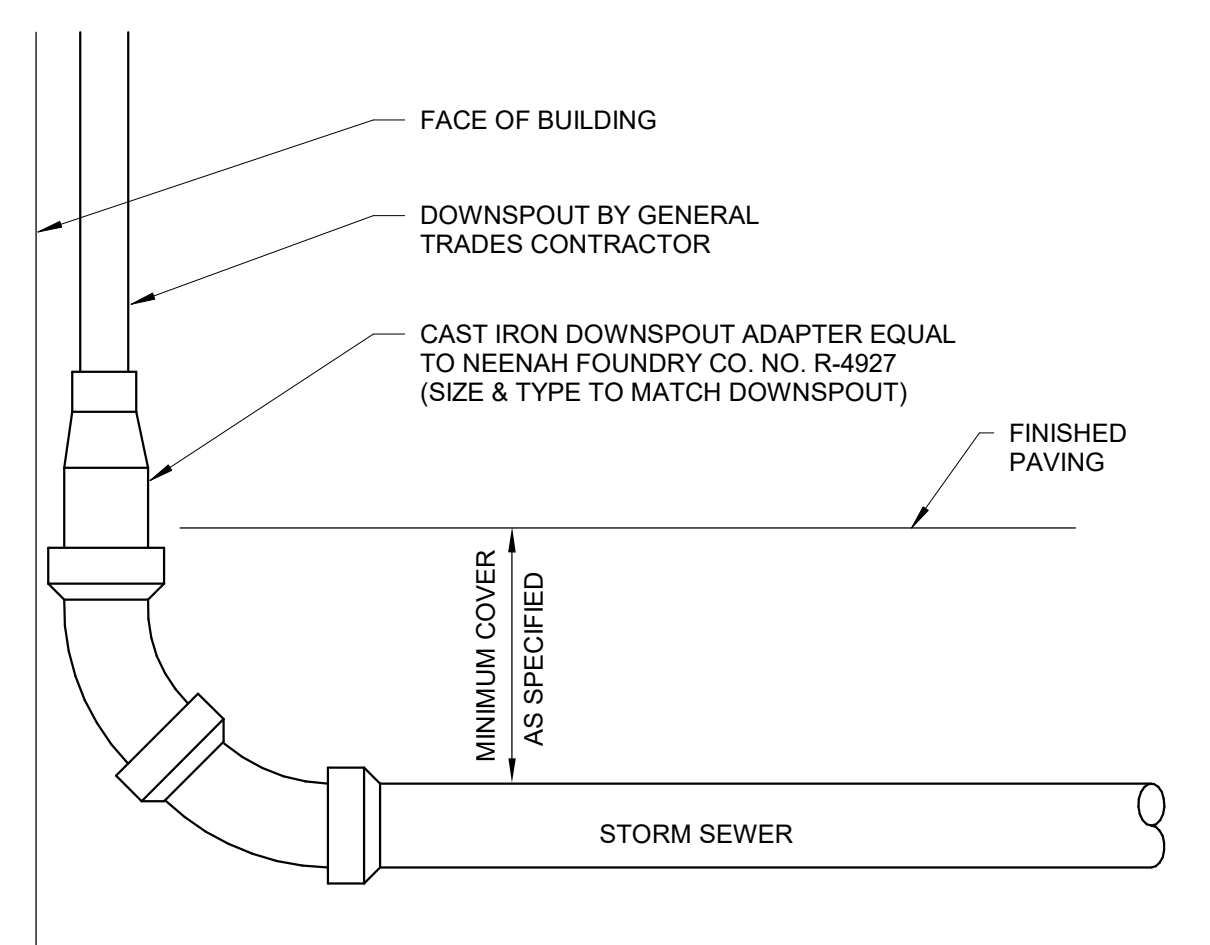
1 WATER METER - COMBINATION DOMESTIC/FP WITH SINGLE METER WATER SERVICE TO BUILDING N.T.S.



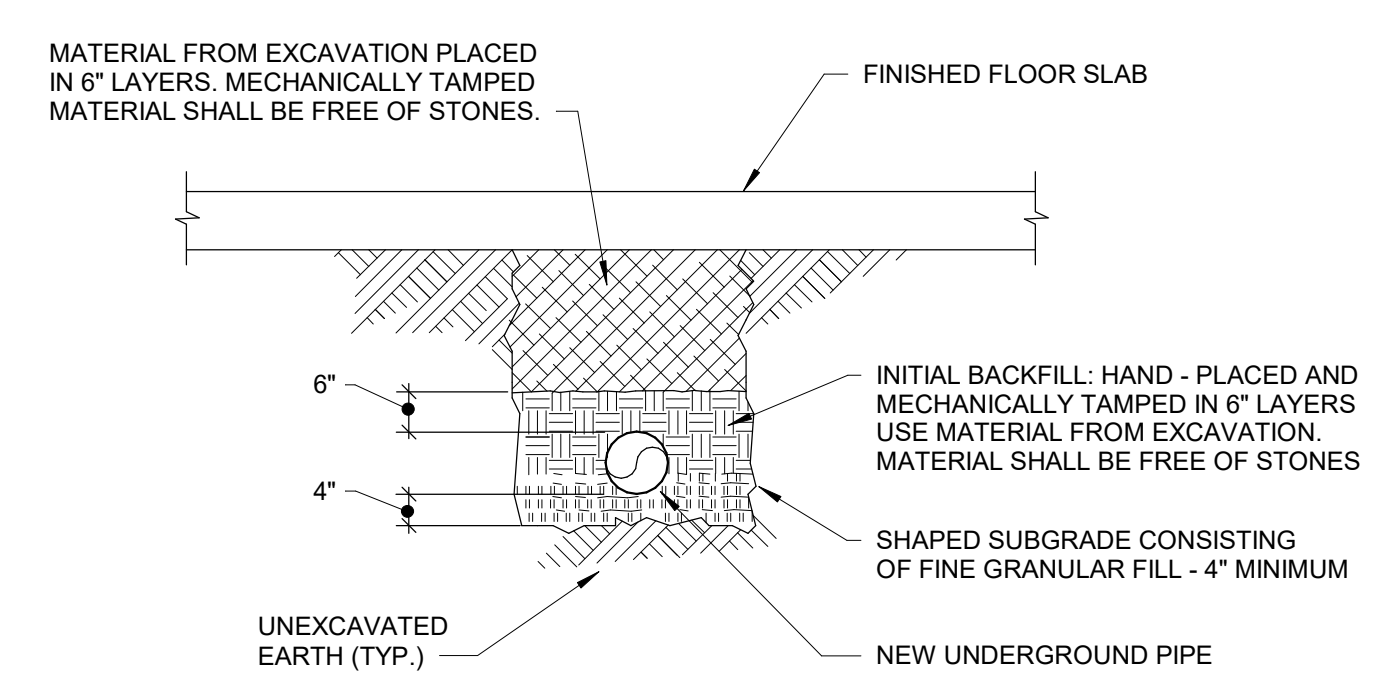
2 BACKFLOW PREVENTER AND PRESSURE REDUCING VALVE SCHEMATIC N.T.S.



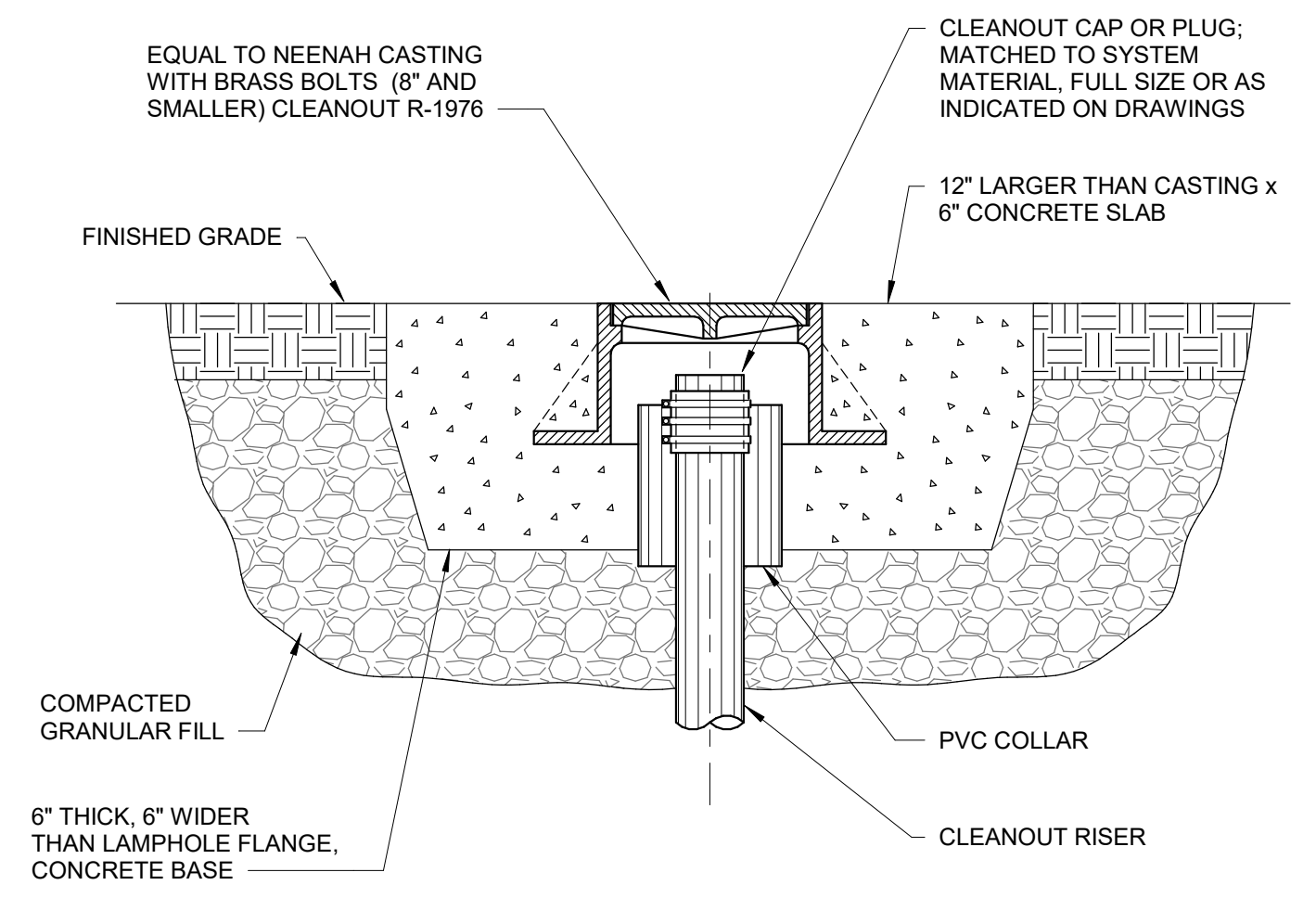
3 WATER HEATER - ELECTRIC FLOOR MOUNTED N.T.S.



4 EXTERIOR DOWNSPOUT CONNECTION N.T.S.



6 UNDERGROUND SANITARY & STORM PIPE INSTALLATION N.T.S.



7 CLEANOUT - EXTERIOR 8" & SMALLER N.T.S.

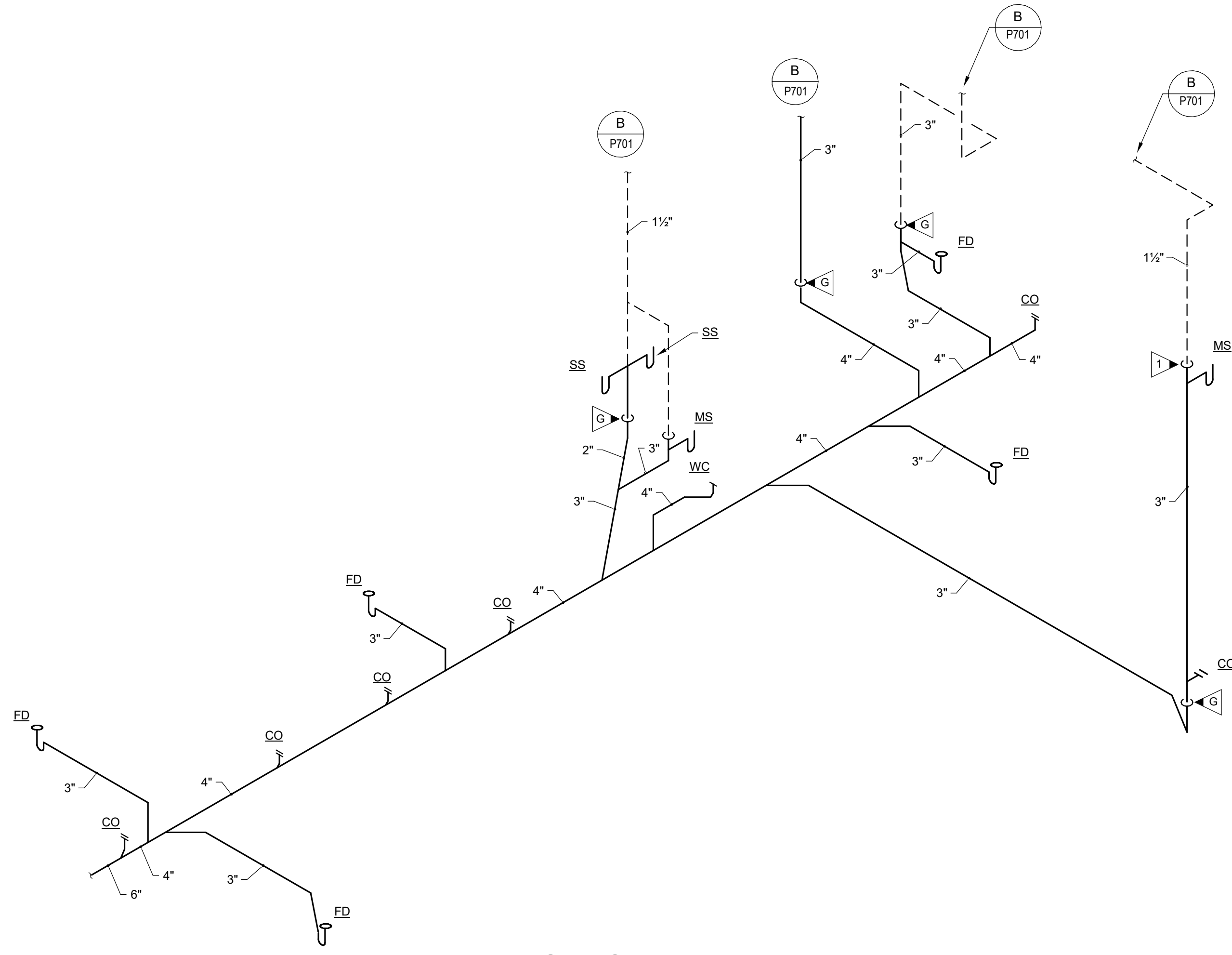
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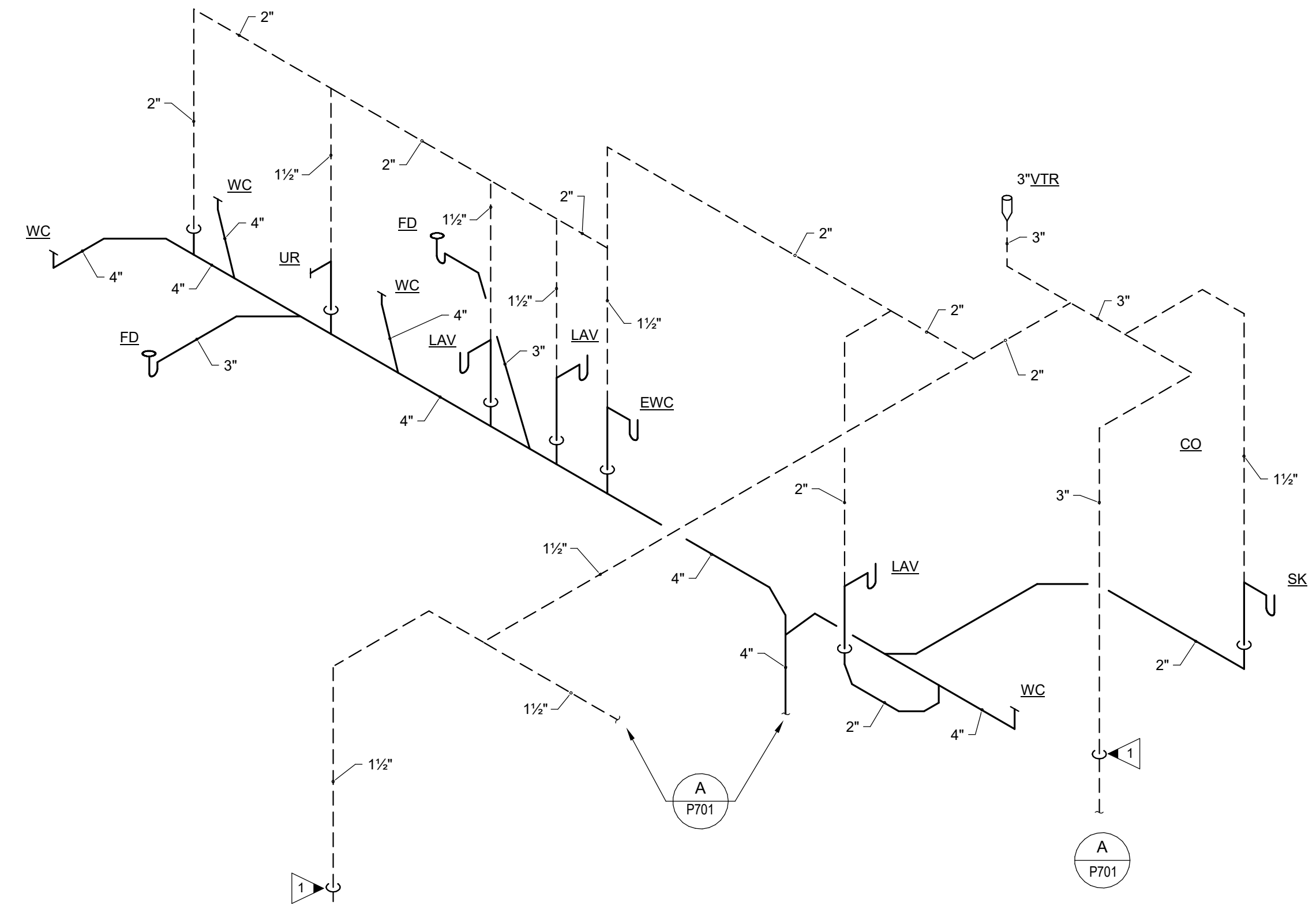
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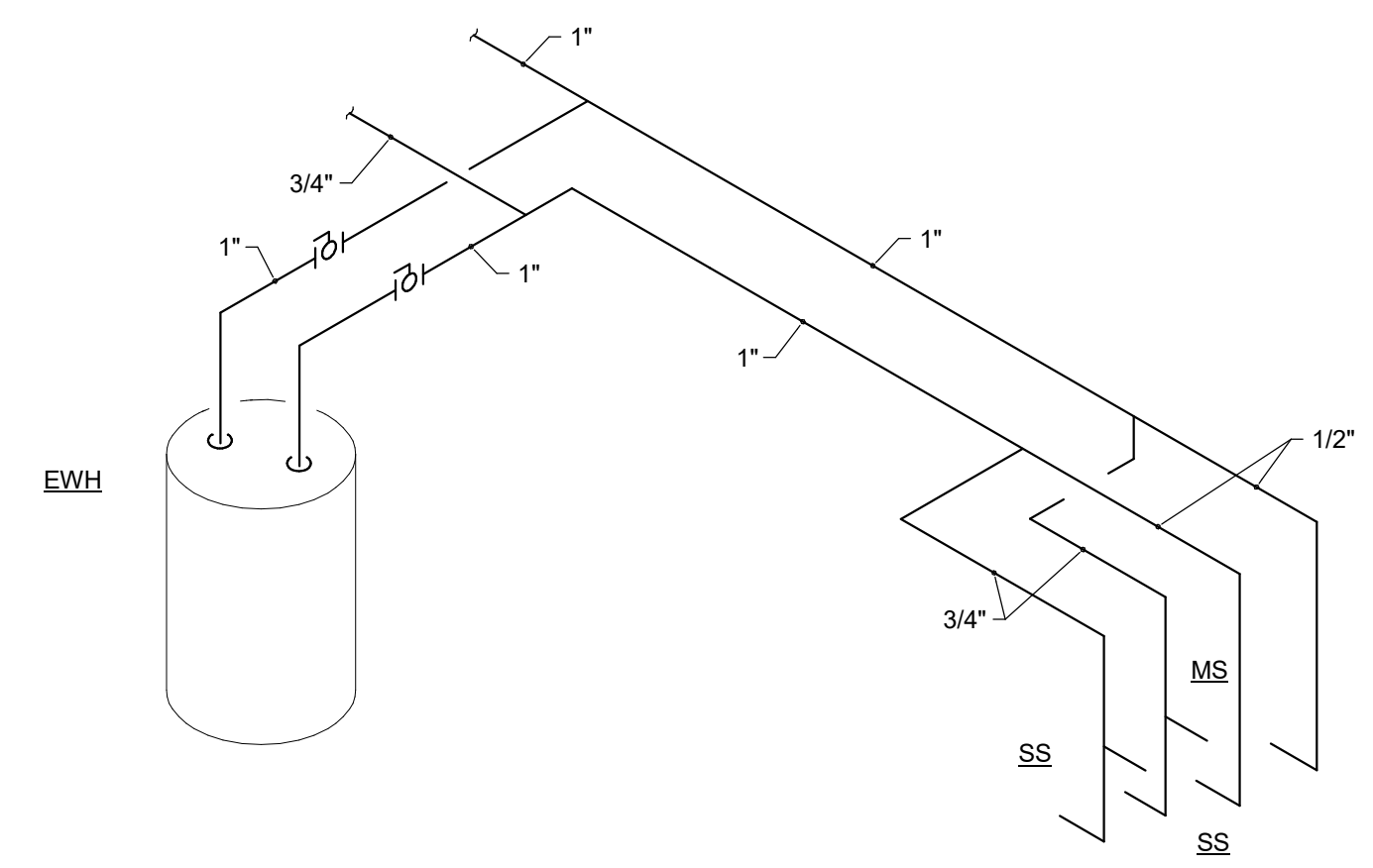
#	Description	Date
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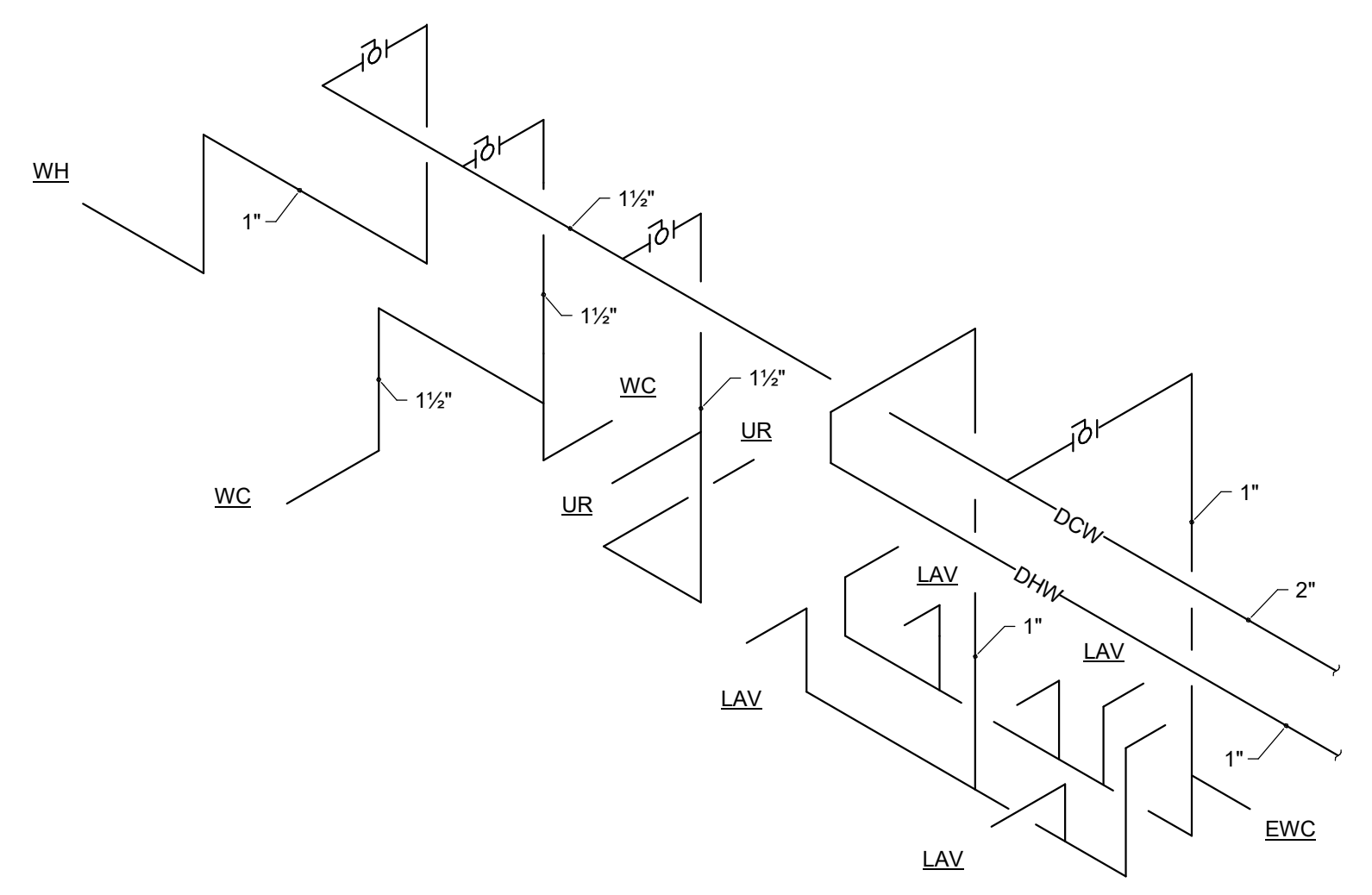
A STACK
GROUND FLOOR PLUMBING STACK N.T.S.



B STACK
MAIN FLOOR PLUMBING STACK N.T.S.



A RISER
GROUND FLOOR PLUMBING RISER N.T.S.



B RISER
MAIN FLOOR PLUMBING RISER N.T.S.

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PROJECT NUMBER: 2023-0006

Bicentennial Barn -
McCammom Creek
Park

6844 Bale Kenyon Rd
Lewis Center, OH 43035



PLUMBING STACKS

P701
02/14/2025
23070

HVAC SYMBOLS LIST	
NOTE: ALL SYMBOLS NOT NECESSARILY USED	
GENERAL	VALVES
UNDERFLOOR PIPING OR DUCTWORK ----- () -----	2-WAY CONTROL VALVE
EXISTING TO REMAIN _____	3-WAY CONTROL VALVE
EXISTING TO BE REMOVED -----	BALANCE/SHUT-OFF VALVE
EXISTING TO BE ABANDONED _____	BALL VALVE
	BUTTERFLY VALVE
	CHECK VALVE
	EXPANSION VALVE
	ISOLATION VALVE - SEE PROJECT SPECIFICATIONS FOR REQUIREMENTS
	GATE VALVE
	GLOBE VALVE
	PLUG VALVE
	PRESSURE REDUCING VALVE
	PRESSURE RELIEF VALVE
	SOLENOID VALVE
PIPING	MISCELLANEOUS
HEATING WATER SUPPLY _____ HWS _____	DUCT ACCESS DOOR
HEATING WATER RETURN _____ HWR _____	FIRE DAMPER
CHILLED WATER SUPPLY _____ CWS _____	SMOKE DAMPER
CHILLED WATER RETURN _____ CWR _____	COMB. FIRE/SMOKE DAMPER
CONDENSER WATER SUPPLY _____ CS _____	DUCT VOLUME DAMPER
CONDENSER WATER RETURN _____ CR _____	MOTOR OPERATED DAMPER
LOW PRESSURE STEAM _____ LPS(#) _____	DUCT CHANGE IN ELEVATION
LOW PRESSURE CONDENSATE _____ LPR(#) _____	FLEX DUCT
HIGH PRESSURE STEAM _____ HPS(#) _____	TURNING VANES
HIGH PRESSURE CONDENSATE _____ HPR(#) _____	SPIN-IN FITTING
CONDENSATE PUMP DISCHARGE _____ CPD _____	DUCT SECTIONS
REFRIGERANT LIQUID _____ L _____	POSITIVE PRESSURE (SUPPLY/OUTSIDE)
REFRIGERANT SUCTION _____ S _____	NEGATIVE PRESSURE (RETURN/RELIEF)
REFRIGERANT HOT GAS _____ HG _____	NEGATIVE PRESSURE (EXHAUST)
COOLING COIL CONDENSATE _____ C _____	CARBON DIOXIDE SENSOR
VENT ----- V -----	HUMIDISTAT OR HUMIDITY SENSOR (MOUNT 48" A.F.F. U.N.O.)
HEAT PUMP WATER SUPPLY _____ HPWS _____	THERMOSTAT OR SPACE TEMPERATURE SENSOR (MOUNT 48" A.F.F. U.N.O.)
HEAT PUMP WATER RETURN _____ HPWR _____	SMOKE DETECTOR BY DIV. 26 DIV 23 TO PROVIDE DUCT ACCESS DOOR AT EACH OF THESE LOCATIONS
	DIFFUSER
	RETURN AIR DEVICE
	TERMINAL BOXES, WITH/WITHOUT REHEAT
	CONNECT TO EXISTING
SPECIALTIES	
AUTOMATIC AIR VENT WITH BALL VALVE	
MANUAL AIR VENT	
CONCENTRIC INCREASER	
CONCENTRIC REDUCER	
ECCENTRIC INCREASER	
ECCENTRIC REDUCER	
FILL FUNNEL	
FLEXIBLE CONNECTION	
FLOW ARROW	
FLOW SWITCH	
GAUGE WITH BALL VALVE	
HEAT TRACED PIPE	
METER	
PIPE ANCHOR	
CAP	
DROP	
RISE	
PRESSURE/TEMPERATURE TEST PLUG	
PIPE ALIGNMENT GUIDE	
FIRE RATED PIPE SLEEVE	
SIGHT GLASS	
STRAINER	
THERMOMETER	
THRUST BLOCK	
STEAM TRAP	
UNION OR FLANGE	
VACUUM BREAKER	
VALVE IN RISER/DROP	

GENERAL NOTES - HVAC (APPLY TO ALL HVAC DRAWINGS)

- THE SYSTEM DESIGN IS BASED ON THE LATEST EDITION OF THE OHIO MECHANICAL CODE INCLUDING ALL AMENDMENTS THROUGH THE DATE OF DRAWING ISSUE.
- COORDINATE EXACT LOCATION OF DIFFUSERS, GRILLES AND REGISTERS WITH ARCHITECTURAL REFLECTED CEILING PLANS.
- UNLESS NOTED OTHERWISE, PROVIDE DUCT TO DIFFUSERS THE SAME SIZE AS DIFFUSER NECK. PROVIDE FLEXIBLE DUCT CONNECTION TO THE DIFFUSER AND IT SHALL BE NO MORE THAN 5 FEET IN LENGTH.
- UNLESS NOTED OTHERWISE, PROVIDE DUCT TO TERMINAL BOXES THE SAME SIZE AS THE TERMINAL BOX INLET. PROVIDE TRANSITION FROM TERMINAL BOX OUTLET TO DISTRIBUTING DUCTWORK, AS REQUIRED.
- VOLUME DAMPERS:
 - PROVIDE VOLUME DAMPERS AT ALL LOW VELOCITY DUCT CONNECTIONS. THIS INCLUDES, BUT IS NOT LIMITED TO, DUCT CONNECTIONS AT SHAFTS, TAKEOFFS TO SUBMANS (SERVING TWO OR MORE BRANCH MAINS), TAKEOFFS TO BRANCH MAINS (SERVING TWO OR MORE OUTLETS) AND BRANCHES TO SINGLE TERMINALS OR OUTLETS.
 - PROVIDE ADDITIONAL DAMPERS AS NOTED ON THE DRAWINGS.
 - THE FACT THAT SOME, BUT NOT NECESSARILY ALL, VOLUME DAMPERS ARE SHOWN ON THE CONTRACT DRAWINGS DOES NOT RELIEVE THE CONTRACTOR FROM THESE REQUIREMENTS. LOCATE VOLUME DAMPERS IN ACCESSIBLE LOCATIONS.
- PROVIDE A TEMPERATURE SENSOR FOR EACH FAN COIL UNIT AND EACH CEILING MOUNTED UNIT HEATER. PREFERRED LOCATIONS ARE INDICATED ON THE PLANS.
- IN RETURN AIR PLENUMS, PROVIDE AIR TRANSFER OPENINGS IN FULL HEIGHT WALLS TO PROVIDE A RETURN AIR PATH FROM EACH ROOM BACK TO THE AIR HANDLING EQUIPMENT. OPENINGS SHALL BE A MINIMUM OF 1.0 SQUARE FOOT WHERE ROOM SUPPLY CFM IS LESS THAN 400 CFM AND AN ADDITIONAL 1.0 SQUARE FOOT FOR EACH 400 CFM OR PORTION THEREOF.

HVAC SHEET INDEX

SHEET NUMBER	SHEET NAME
H001	HVAC INDEX SHEET
H201	GROUND FLOOR HVAC PLAN
H202	MAIN FLOOR HVAC PLAN
H301	GROUND FLOOR HVAC PIPING
H302	FIRST FLOOR HVAC PIPING
H501	HVAC SCHEDULES
H502	HVAC SCHEDULES
H601	HVAC DETAILS
H701	HVAC VRF SCHEMATICS



ARCHITECTURE. INSPIRED.
300 Marconi Boulevard | 614-628-0300
Columbus OH 43215 | F 614-628-0311
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Consultants:
Civil, Structural & MEP
Korda/Nemeth Engineering
1650 Watermark Drive, Columbus, OH 43215
614.487.1650
Barn Consultant
Mt. Vernon Barn Co.
7676 Co Rd 10, Fredericktown, OH 43019
614.624.2049

Drawing Issue Dates
Design Development Submittal
11/17/2023
50% Construction Documents
08/15/2024
90% Construction Documents
01/15/2025
Bid Set / Permit Set
02/14/2025

Revision Schedule		
#	Description	Date

Bicentennial Barn -
McCammon Creek
Park

6844 Bale Kenyon Rd
Lewis Center, OH 43035



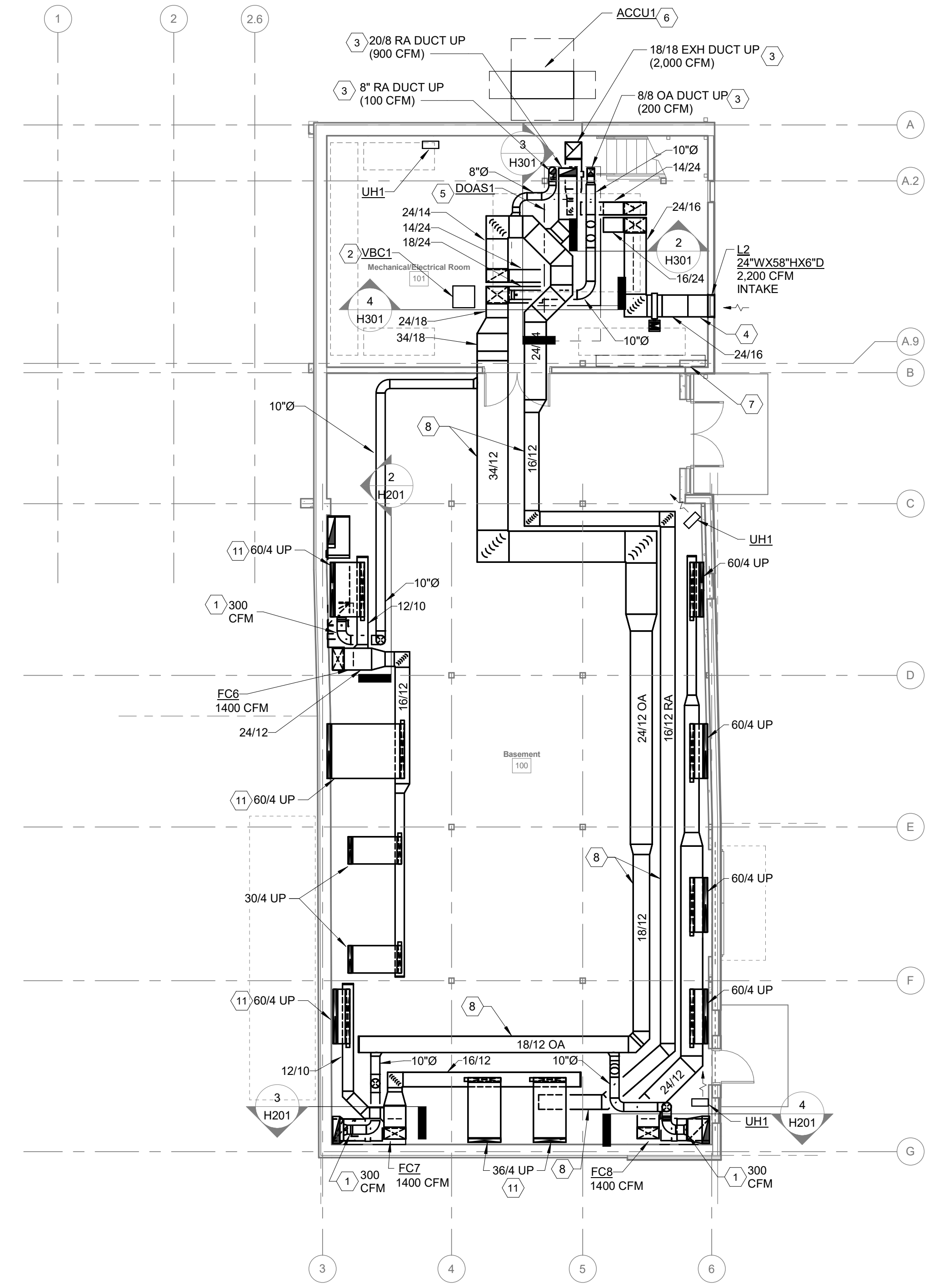
HVAC INDEX
SHEET

H001

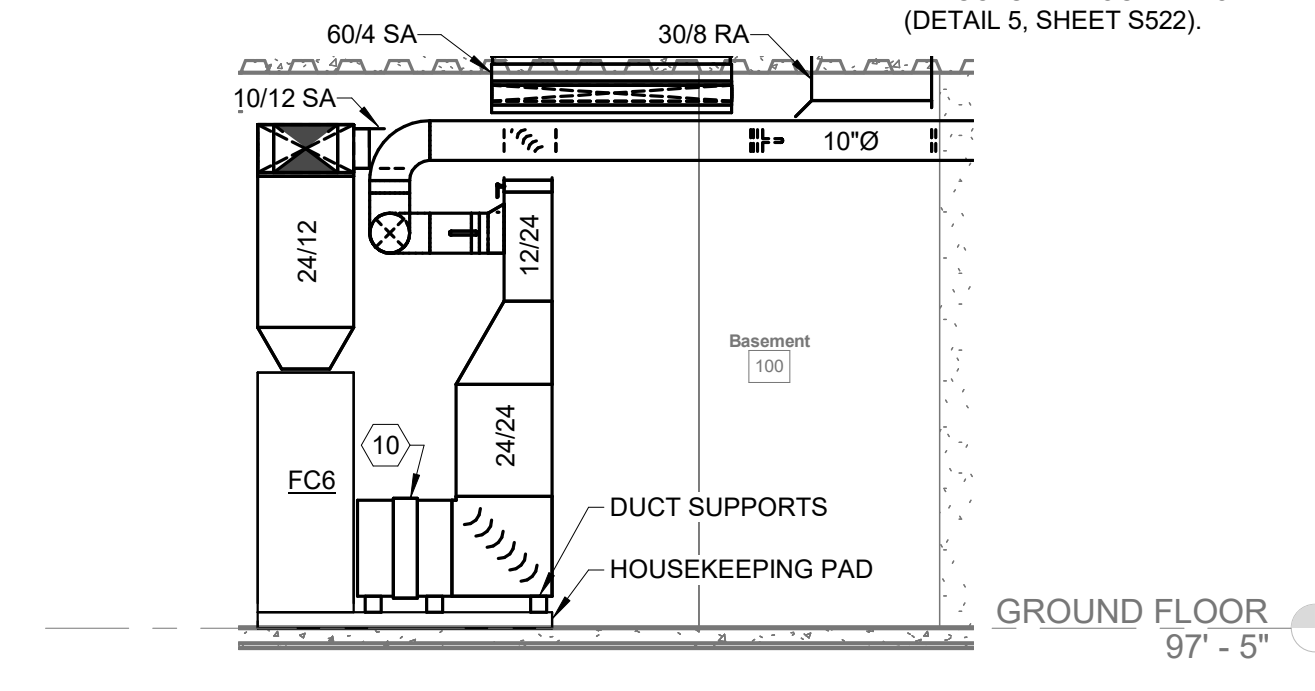
02/14/2025
23070

KORDA
KORDA NEMETH ENGINEERING
1650 WATERMARK DRIVE
SUITE 200
COLUMBUS, OHIO 43215
DRAWN BY: Ann Guan
DESIGNED BY: Paul Carr
CHECKED BY: Eric Stephens
PROJECT NUMBER: 2023-0006

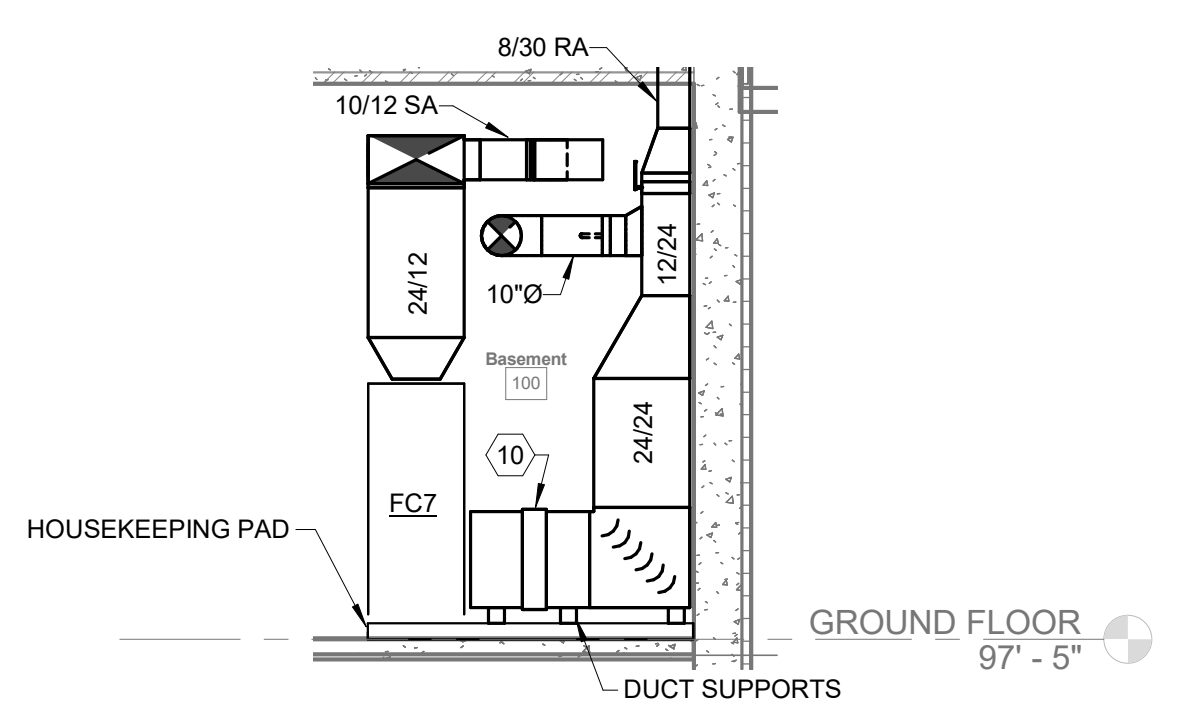
- CODED NOTES:**
1. VENTILATION AIR DUCT TO BE BALANCED TO CFM INDICATED ON PLAN.
 2. VRF SYSTEM CHANGE-OVER CONTROL BOX FOR INDOOR VRF UNITS LOCATED ON THE GROUND LEVEL.
 3. DUCTWORK TO RISE UP EXPOSED INTO FIRST FLOOR NON-RATED STAIRWELL. REFER TO SPECIFICATIONS FOR INSULATION REQUIREMENTS FOR EXPOSED DUCTWORK.
 4. DOUBLE WALL INSULATED PLENUM BOX, FULL SIZE OF LOUVER (24" DEEP).
 5. INDOOR DOAS UNIT TO BE MOUNTED ON UNI-STRUT FRAME 24" ABOVE FINISHED FLOOR (SUPPORTED FROM FLOOR).
 6. OUTDOOR VRF REFRIGERATION UNIT MOUNTED ON 8" CONCRETE REINFORCED PAD.
 7. ELECTRICAL PANELS AND EQUIPMENT. AVOID ROUTING DUCTWORK OR PIPING WITHIN THIS AREA.
 8. DOAS VENTILATION SUPPLY AND RETURN/EXHAUST DUCT MAINS IN GROUND LEVEL SIZED FOR FUTURE EXPANSION OF GROUND FLOOR SHELL SPACE.
 9. RETURN DUCT UP INTO FIRST FLOOR ARCHITECTURAL SEAT.
 10. PROVIDE FILTER MODULE (HONEYWELL F100 20X25 OR EQUAL).
 11. SUPPLY DUCT TO RISE UP INTO NOTCHED FOUNDATION WALL AND CONNECT TO FLOOR REGISTER ABOVE ON FIRST FLOOR. REFER TO STRUCTURAL FOUNDATION DETAIL FOR NOTCH HEIGHT AND WIDTH (DETAIL 5, SHEET S522).



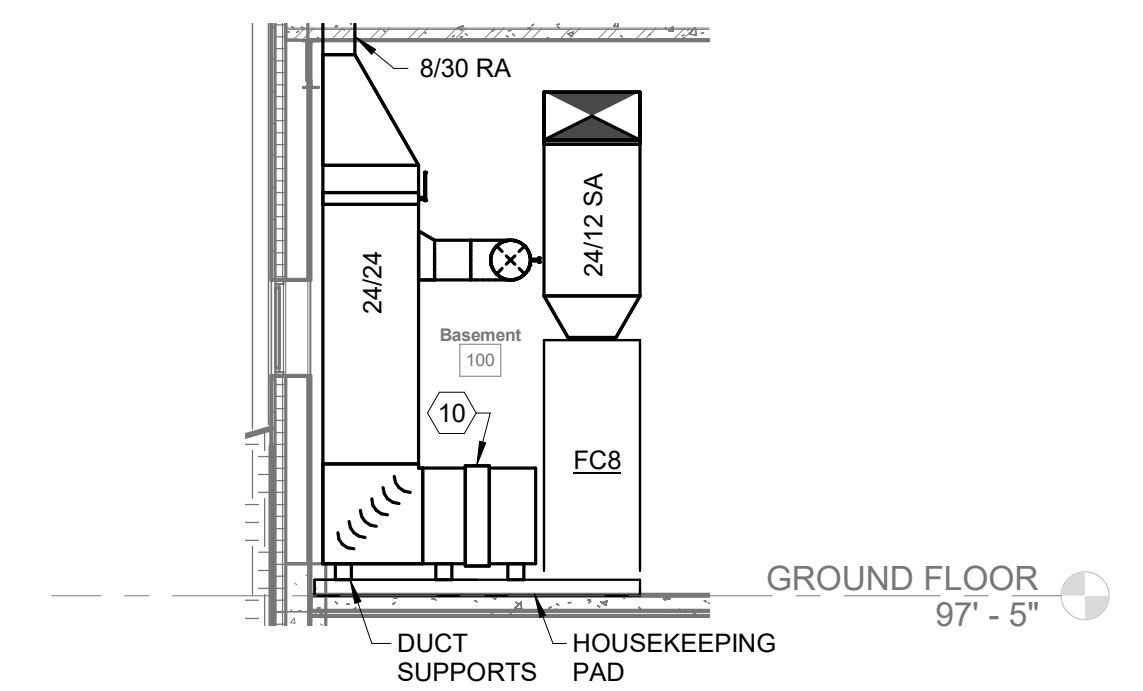
1 FLOOR PLAN
GROUND FLOOR
SCALE: 1/8" = 1'-0"
0' 1' 2' 4' 8'



2 SECTION
FC6
SCALE: 1/4" = 1'-0"
0' 1' 2' 4'



3 SECTION
FC7
SCALE: 1/4" = 1'-0"
0' 1' 2' 4'



4 SECTION
FC8
SCALE: 1/4" = 1'-0"
0' 1' 2' 4'

Drawing Issue Dates

Design Development Submittal
11/17/2023

50% Construction Documents
08/15/2024

90% Construction Documents
01/15/2025

Bid Set / Permit Set
02/14/2025

Revision Schedule		
#	Description	Date

**Bicentennial Barn -
McCammon Creek
Park**

6844 Bale Kenyon Rd
Lewis Center, OH 43035



**GROUND FLOOR
HVAC PLAN**

H201

02/14/2025

23070

KORDA
KORDA NEMETH ENGINEERING
1650 WATERMARK DRIVE
SUITE 200
COLUMBUS, OHIO 43215

DRAWN BY: Ann Guan
DESIGNED BY: Paul Carr
CHECKED BY: Eric Stephens
PROJECT NUMBER: 2023-0006

Revision Schedule		
#	Description	Date

Bicentennial Barn -
McCammon Creek
Park

6844 Bale Kenyon Rd
Lewis Center, OH 43035



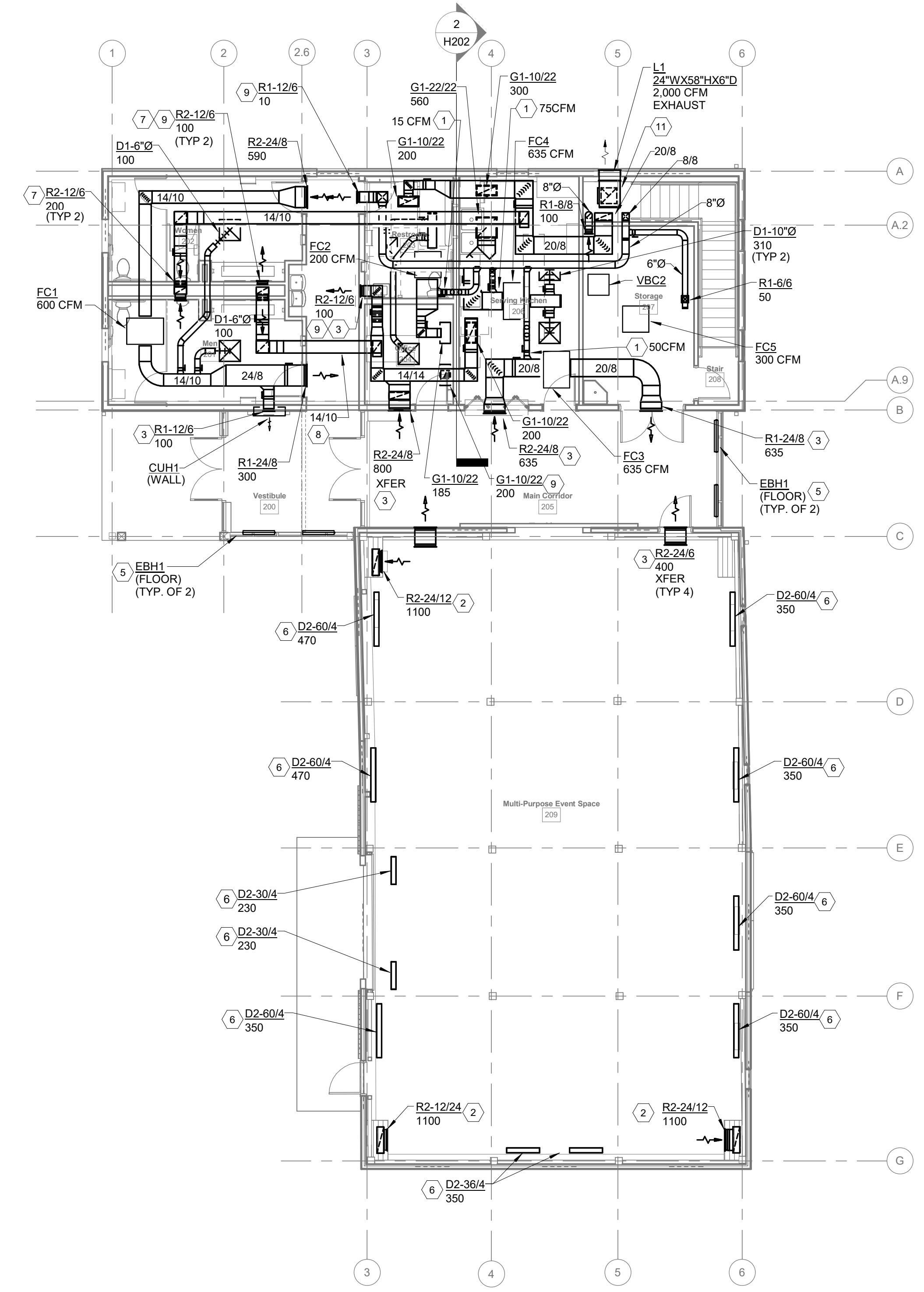
MAIN FLOOR HVAC
PLAN

H202

02/14/2025

23070

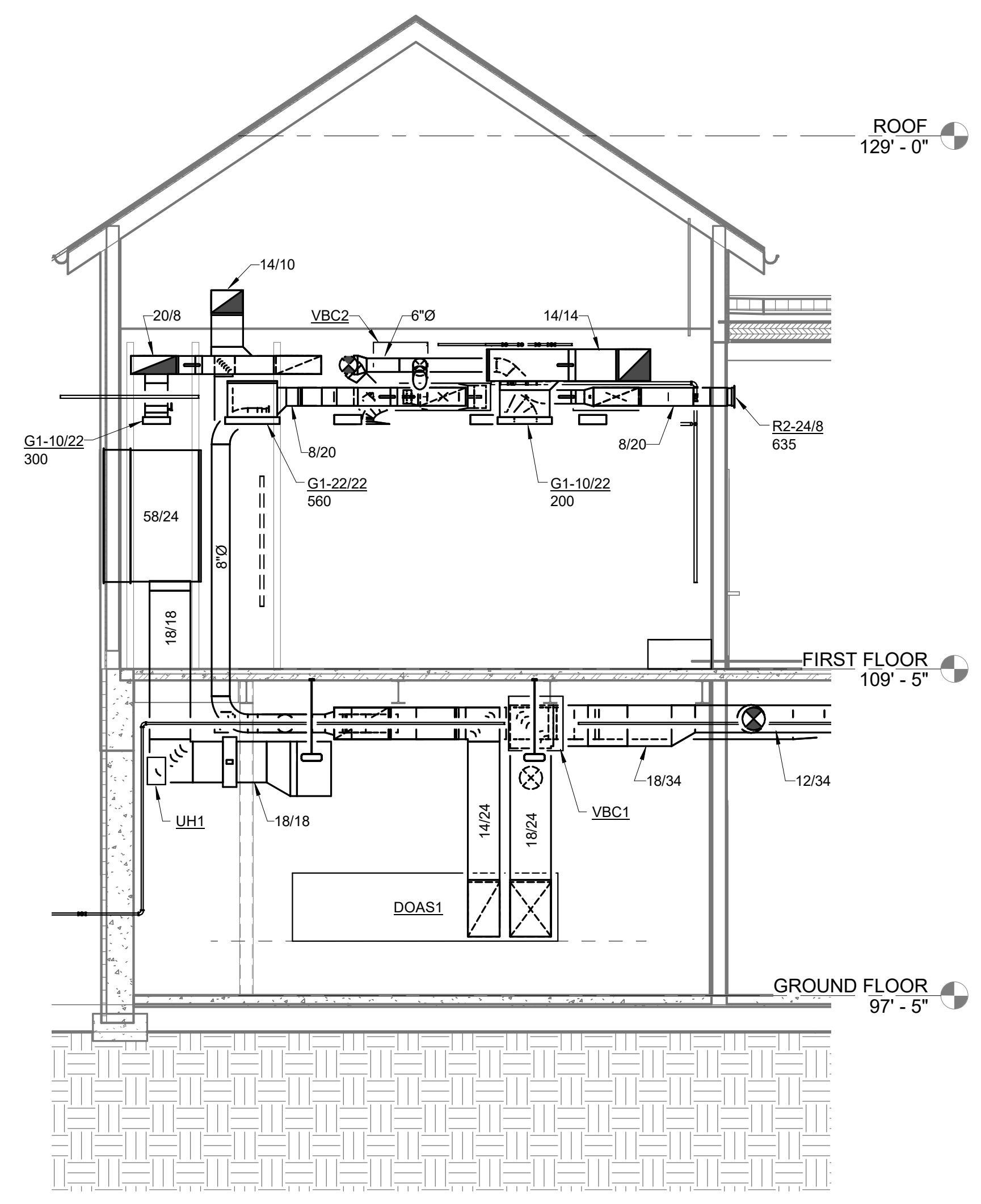
- CODED NOTES:
1. VENTILATION AIR DUCT TO BE BALANCED TO CFM INDICATED ON PLAN.
 2. RETURN AIR DUCT TO PENETRATE FIRST FLOOR AND TERMINATE WITH A SIDEWALL GRILLE WITHIN THE WINDOW SEAT ENCLOSURE 6" ABOVE FINISHED FLOOR TO BOTTOM OF GRILLE.
 3. GRILLES / REGISTERS MOUNTED 10'-0" ABOVE FINISHED FLOOR.
 4. 60"x6" SUPPLY DUCT UP FROM GROUND FLOOR LEVEL INTO ARCHITECTURAL ENCLOSURE. DUCT TO TERMINATE APPROXIMATELY 18" ABOVE FINISHED FLOOR AND CONNECT TO SURFACE MOUNTED AIR DEVICE MOUNTED ON TOP OF ENCLOSURE.
 5. PEDESTAL MOUNTED ELECTRIC BASEBOARD HEATER AT FLOOR LEVEL.
 6. FLOOR SUPPLY GRILLE.
 7. SIDEWALL GRILLES MOUNTED IN PLUMBING CHASE WALL 7' A.F.F.
 8. EXHAUST AIR AND TRANSFER AIR DUCT TO RUN IN VENTILATED ATTIC SPACE THROUGH THE TRUSS SPACE. COORDINATE EXACT ELEVATION AND ROUTING WITH TRUSS MANUFACTURER. DUCTWORK INSULATION SHALL FOLLOW THE SPECIFICATION OF "OUTDOOR EXPOSED INSULATION". SEAL DUCT PENETRATIONS INTO ATTIC SPACE WITH WEATHER TIGHT SEAL.
 9. TRANSFER AIR GRILLE.
 10. DUCTWORK IN NON-RATED STAIRWELL IS EXPOSED. REFER TO SPECIFICATIONS FOR INSULATION REQUIREMENTS FOR EXPOSED DUCTWORK.
 11. DOUBLE WALL INSULATED PLENUM BOX, FULL SIZE OF LOUVER (24" DEEP).



1 FLOOR PLAN
MAIN FLOOR

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

0' 1" 2" 4" 8"



2 SECTION
BUILDING

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

0' 1" 2" 4"

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1650 WATERMARK DRIVE
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COLUMBUS, OHIO 43215

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Bicentennial Barn - McCammon Creek Park

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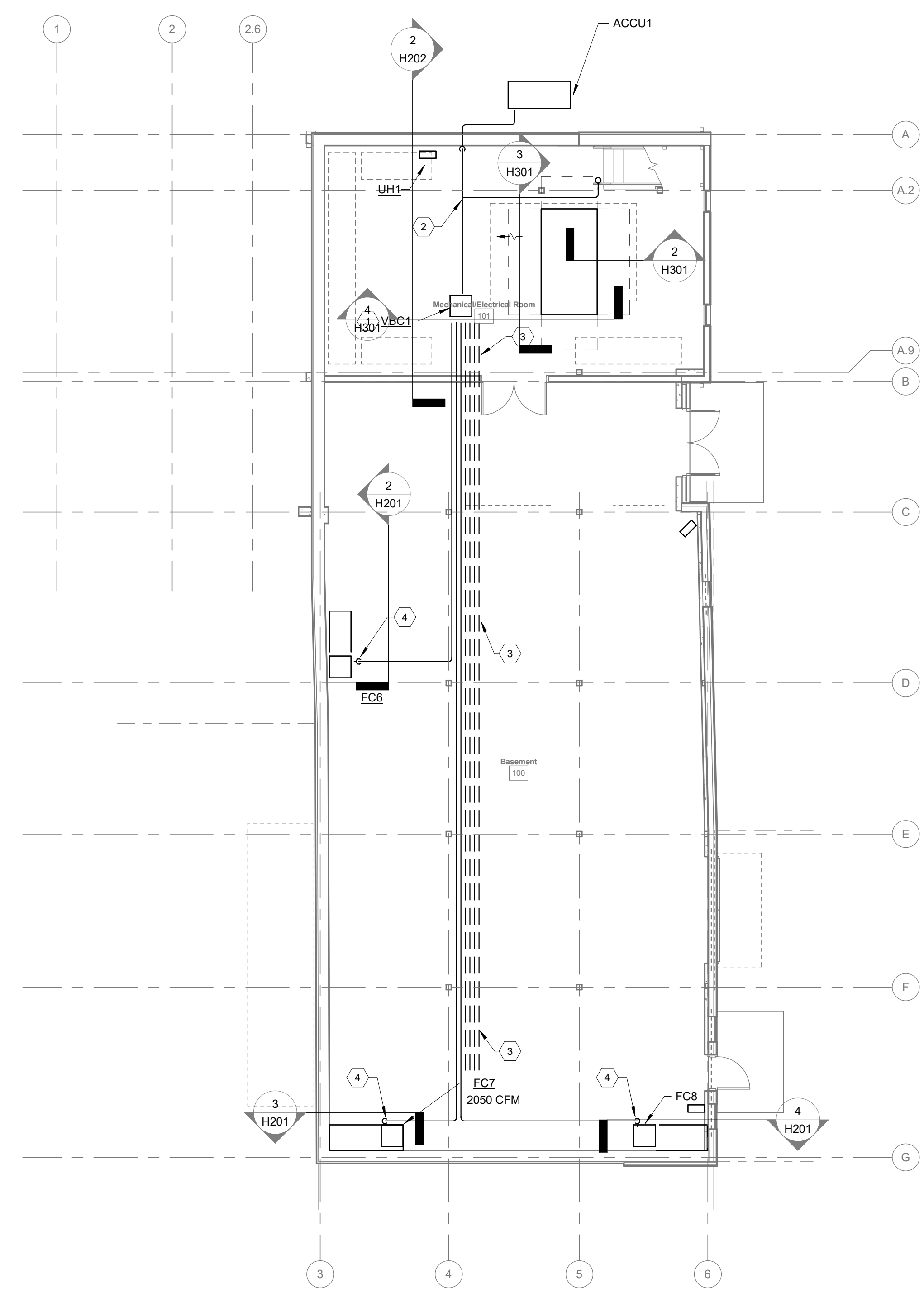
GROUND FLOOR HVAC PIPING

H301

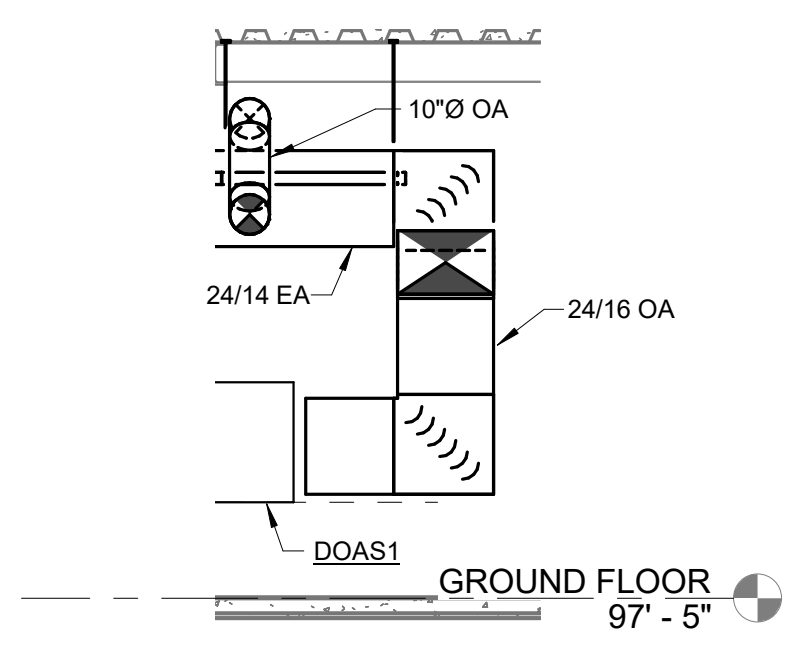
02/14/2025

23070

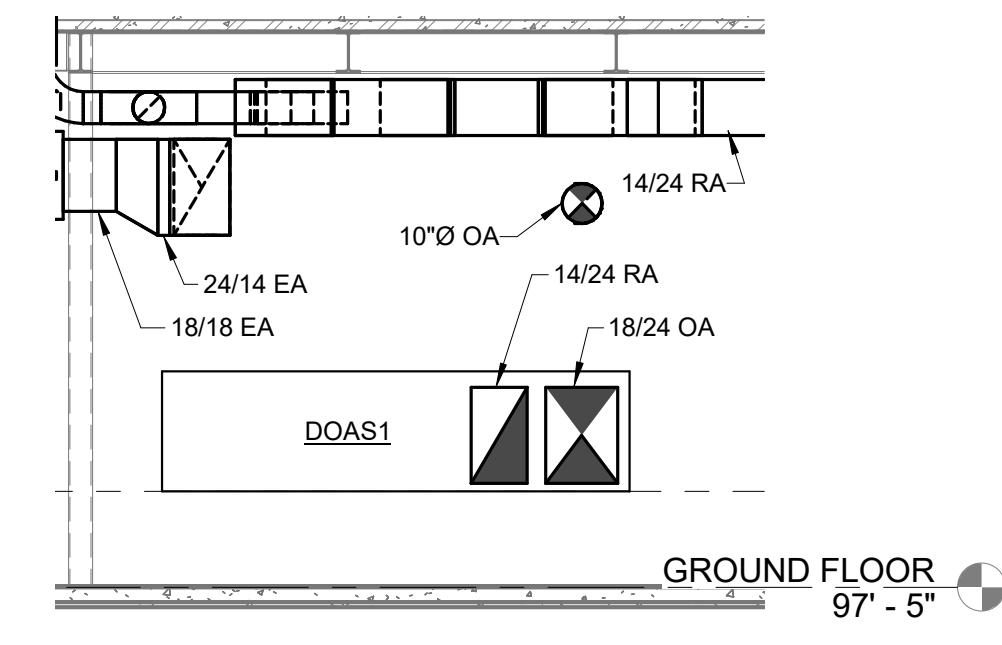
- CODED NOTES:**
1. VRF SYSTEM SPLITTER.
 2. VRF SYSTEM CHANGE-OVER CONTROL BOX FOR VRF UNITS LOCATED ON THE GROUND LEVEL.
 3. PROVIDE PIPING SPACE FOR 4 ADDITIONAL VRF ZONES ON THE MAIN PIPING RUN AT THE BASEMENT LEVEL.
 4. PROVIDE TRAPPED CONDENSATE DRAIN LINE FROM FAN COIL AND EXTEND TO FLOOR DRAIN ADJACENT TO UNIT.



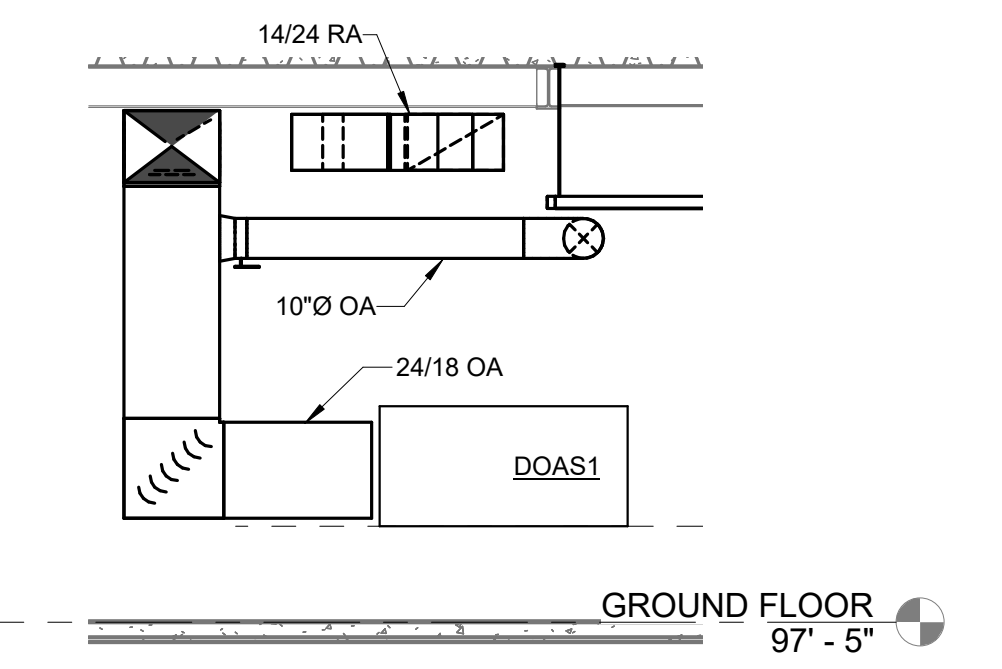
1 FLOOR PLAN
GROUND FLOOR
SCALE: 1/8" = 1'-0"
0' 1' 2' 4' 8'



2 SECTION
DOAS1
SCALE: 1/4" = 1'-0"
0' 1' 2' 4'



3 SECTION
DOAS2
SCALE: 1/4" = 1'-0"
0' 1' 2' 4'



4 SECTION
DOAS3
SCALE: 1/4" = 1'-0"
0' 1' 2' 4'

KORDA
KORDA NEMETH ENGINEERING
1650 WATERMARK DRIVE
SUITE 200
COLUMBUS, OHIO 43215
DRAWN BY: Cole Neesley
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CHECKED BY: Eric Stephens
PROJECT NUMBER: 2023-0006

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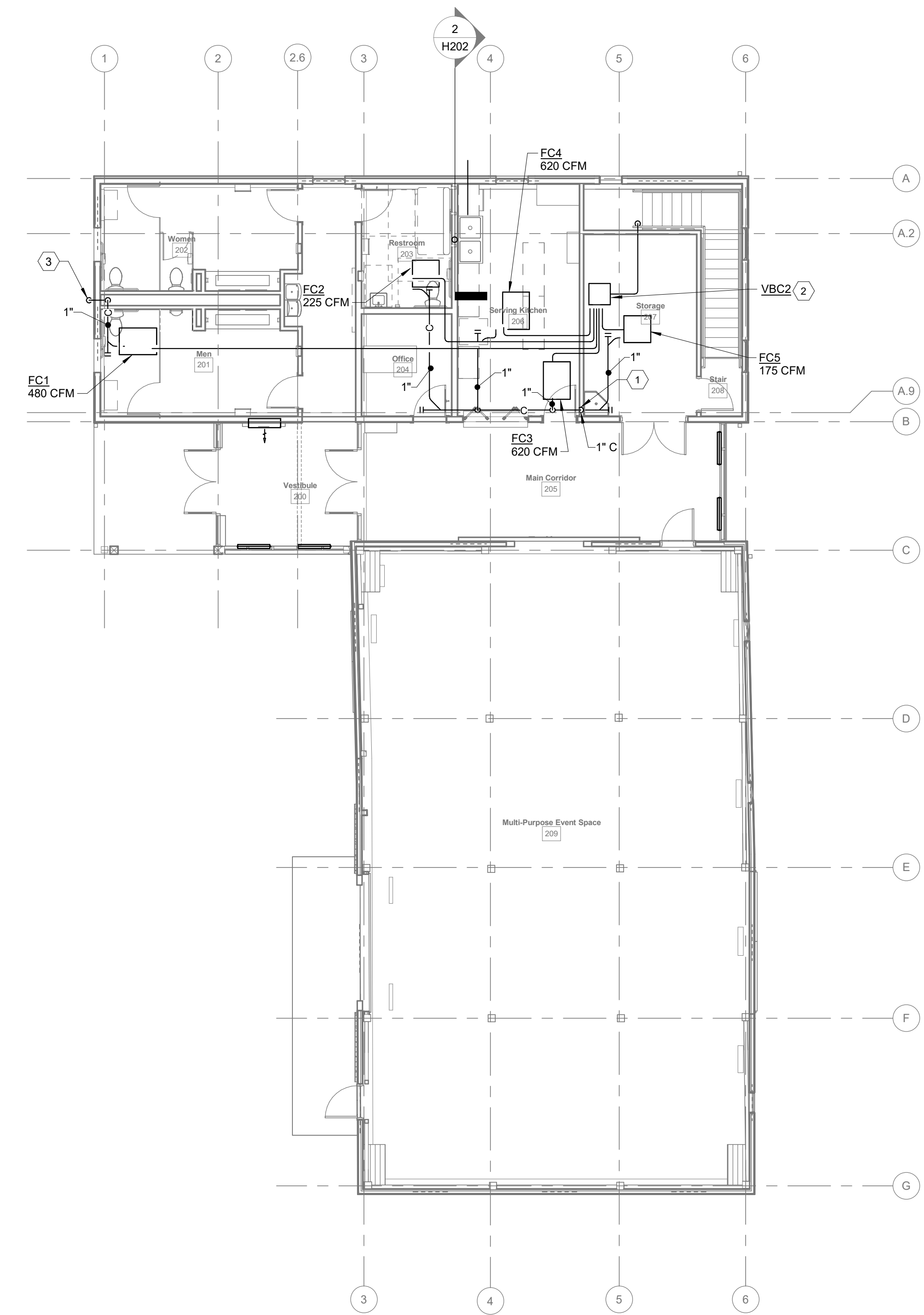
FIRST FLOOR
HVAC PIPING

H302

02/14/2025

23070

- CODED NOTES:**
- 1" CONDENSATE DRAIN LINE TO DROP INSIDE WALL AND DISCHARGE TO MOP SINK. PIPE TO STUB OUT OF WALL 24" ABOVE FINISHED FLOOR AND TURN DOWN INTO MOP SINK.
 - VRF SYSTEM CHANGEOVER CONTROL BOX FOR GROUND FLOOR.
 - 1" CONDENSATE DRAIN LINE TO DROP IN PLUMBING CHASE AND DISCHARGE OUTSIDE. PENETRATE EXTERIOR WALL 12" ABOVE GRADE AND TURN DOWN ON SPLASH BLOCK.



1 FLOOR PLAN
MAIN FLOOR
SCALE: 1/8" = 1'-0"
0' 1' 2' 4' 8'

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SUITE 200
COLUMBUS, OHIO 43215
DRAWN BY: Cole Neesley
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CHECKED BY: Eric Stephens
PROJECT NUMBER: 2023-0006



ARCHITECTURE. INSPIRED.

300 Marconi Boulevard Columbus OH 43215 schooleycaldwell.com

Consultants: Civil, Structural & MEP Korda/Nemeth Engineering

Barn Consultant Mt. Vernon Barn Co.

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Revision Schedule table with columns #, Description, Date

DOAS AIR SOURCE HEAT PUMP WITH ENERGY RECOVERY (BASED ON UNITED COOLAIR) table with columns TAG, LOCATION, MODEL, OUTSIDE AIR, RETURN/EXHAUST AIR, PERCENT OA, Supply Air ESP, Exhaust Air ESP, ER WHEEL - DEHUMIDIFICATION, DX COIL - COOLING, REHEAT, ER WHEEL - HEATING, HEATING, ELECTRICAL, ERW QTY, ERW (EACH), UNIT MCA, UNIT MOP, WEIGHT

- 1 Direct Drive Plenum Fans with EC Motors - Supply and Exhaust
2 Stainless steel drain pans - Evaporator and Condenser
3 Built-in Pressure Transducers for Airflow Measurement
4 2" MERV 13 pleated throwaway outdoor air filter
5 2" MERV 8 pleated throwaway return air filter
6 Isolated Electrical Control Box
7 Marvel Premium microprocessor with Wall Display Interface and BACnet communications.
8 All required temperature and humidity sensors factory installed.
9 Provide Non-Fused Disconnect

VARIABLE REFRIGERANT FLOW (VRF) - INDOOR FAN COIL UNIT SCHEDULE (BASED ON DAIKIN)

VARIABLE REFRIGERANT FLOW (VRF) - INDOOR FAN COIL UNIT SCHEDULE table with columns TAG, AREA SERVED, MODEL, NOMINAL TONNAGE, TYPE, CONNECTED TO, SUPPLY FAN, COOLING CAPACITY, HEATING CAPACITY, ELECTRICAL, DIMENSIONS, WEIGHT, NOTES, Options and Accessories

- 1 Built-in condensate pump (FXDQ_M, FXFQ_P, FXFQ_T, FXMQ_M, FXMQ_P, FXUQ_P, FXZQ_M)
2 Optional MERV 8 and 13 filters (FXMQ_M, FXMQ_P)

VARIBALE REFRIGERANT FLOW (VRF) - OUTDOOR AIR-COOLED CONDENSING UNIT SCHEDULE (BASED ON DAIKIN)

VARIBALE REFRIGERANT FLOW (VRF) - OUTDOOR AIR-COOLED CONDENSING UNIT SCHEDULE table with columns TAG: ROOM, MODEL, NOMINAL TONNAGE, LOCATION, COOLING CAPACITY, HEATING CAPACITY, REFRIGERANT CHARGE, CONNECTION RATIO, ELECTRICAL, DIMENSIONS, EFFICIENCY, Options and Accessories

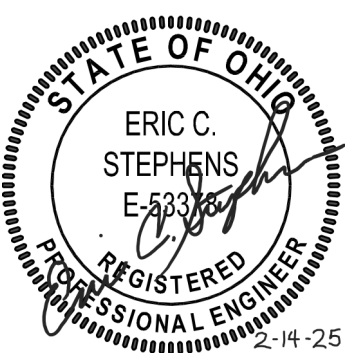
VARIABLE REFRIGERANT FLOW - ZONE BRANCH CONTROLLER SCHEDULE (BASED ON DAIKIN)

VARIABLE REFRIGERANT FLOW - ZONE BRANCH CONTROLLER SCHEDULE table with columns TAG: ROOM, MODEL, UNITS SERVED, VOLTAGE-PHASE, MIN CIRCUIT AMPS (MCA), MAX OVERCURRENT PROTECTION (MOP), MAX CAPACITY (per Port), DIMENSIONS (WxHxD inch), WEIGHT (lbs), ZONE SERVED, Options and Accessories

Autodesk Docs//23070 - Bicentennial Barn/R22-230006 Bicentennial Barn Relocation MECH.rvt 2/14/2025 7:00:15 AM

Bicentennial Barn - McCammon Creek Park

6844 Bale Kenyon Rd Lewis Center, OH 43035



HVAC SCHEDULES

H501

02/14/2025

23070

KORDA logo and contact information: KORDA NEMETH ENGINEERING, 1650 WATERMARK DRIVE, SUITE 200, COLUMBUS, OHIO 43215

Revision Schedule		
#	Description	Date

Bicentennial Barn -
McCammon Creek
Park

6844 Bale Kenyon Rd
Lewis Center, OH 43035



HVAC SCHEDULES

H502

02/14/2025

23070

ELECTRIC CABINET UNIT HEATER SCHEDULE

UNLESS OTHERWISE NOTED EQUIPMENT BASED ON TRANE

UNIT DATA				AIR DATA				HEATING ELEMENTS				MOTOR DATA				INDICATED COMPONENTS PROVIDED BY		REMARKS
TAG	LOCATION	MODEL	TYPE	CFM	E.A.T. °F	L.A.T. °F	A.P.D. IN. W.G.	NO.	TOTAL KW	VOLTS	PHASE	HP	RPM	VOLTS	PHASE	DIV 23	DIV 26	
CUH1	SEE PLANS	FFHB 040	CEILING	400	60	105	-	1	5.7	208	1	1/4	-	208	1	B	-	PROVIDE SINGLE POINT POWER CONNECTION WITH FACTORY INSTALLED DISCONNECT.
UH1	SEE PLANS	MUH 0381	HORIZ	350	40	67	-	1	3.0	208	1	1/100	1,600	208	1	A	-	BASED ON QMARK; PROVIDE SINGLE POLE INTERNAL THERMOSTAT; FACTORY MOUNTED DISCONNECT; PROVIDE UNIVERSAL HORIZONTAL WALL MOUNT.

INDICATED ELECTRICAL COMPONENTS:
A. DISCONNECT SWITCH C. CONTROL PANEL E. REDUCED VOLTAGE STARTER G. VARIABLE FREQUENCY DRIVE I. PLUG-IN UNIT
B. CONTROL PANEL WITH INTEGRAL DISCONNECT SWITCH D. LINE VOLTAGE PANEL F. TWO SPEED STARTERS H. EMERGENCY POWER J. THERMOSTAT K. WALL SWITCH

REGISTER & DIFFUSER SCHEDULE

UNLESS OTHERWISE NOTED EQUIPMENT BASED ON TITUS

NECK SIZES ARE GIVEN ON DRAWINGS.

TAG	LOCATION	MODEL	FUNCTION	FACE TYPE	FRAME TYPE	LOUVER TYPE	MATERIAL	FINISH	DAMPER	N.C. MAX	REMARKS
D1	SEE PLANS	OMNI	SUPPLY	SQUARE PANEL	LAY-IN	-	STEEL	WHITE	BUTTERFLY DAMPER	25	-
D2	SEE PLANS	CT-PPO	SUPPLY	7/32" THICK BAR, 7/16" SPACING, 0 DEGR DEFL.	SURFACE MOUNT	ADJUSTABLE	ALUMINUM	WHITE	-	25	TYPE 5 MOUNTING WITH HEAVY DUTY FRAME
R1	SEE PLANS	300RL	SUPPLY	LOUVERED	SURFACE MOUNT	ADJ. DOUBLE DEFL, 3/4" SPACING	STEEL	WHITE	OPPOSED BLADE	25	-
R2	SEE PLANS	350RL	RETURN/ EXHAUST	LOUVERED	SURFACE MOUNT	FIXED SINGLE DEFL, 3/4" SPACING	STEEL	WHITE	OPPOSED BLADE	25	-
R3	SEE PLANS	300RL	SUPPLY	LOUVERED	SURFACE MOUNT	ADJ. DOUBLE DEFL, 3/4" SPACING	STEEL	WHITE	OPPOSED BLADE	25	-
G1	SEE PLANS	50F	RETURN/ EXHAUST	EGGCRATE	LAY-IN SURFACE	-	ALUMINUM	WHITE	OPPOSED BLADE	25	-

ELECTRIC RADIATOR SCHEDULE

UNLESS OTHERWISE NOTED EQUIPMENT BASED ON INDEECO

UNIT DATA			CABINET				HEATING ELEMENT				INDICATED COMPONENTS PROVIDED BY		REMARKS
TAG	MODEL	WATTS/FT	HEIGHT	DEPTH	LENGTH	AMPS	WATTS	VOLTS	PHASE	DIV 23	DIV 26		
EBH1	907 SERIES	250	5-1/2"	3"	36"	6.2	750	120	1	A	-	4" PEDESTAL MOUNT	

INDICATED ELECTRICAL COMPONENTS:
A. DISCONNECT SWITCH C. CONTROL VALVE E. REDUCED VOLTAGE STARTER G. VARIABLE FREQUENCY DRIVE I. PLUG-IN UNIT
B. CONTROL PANEL WITH INTEGRAL DISCONNECT SWITCH D. LINE VOLTAGE PANEL F. TWO SPEED STARTERS H. EMERGENCY POWER J. THERMOSTAT K. WALL SWITCH

LOUVER SCHEDULE

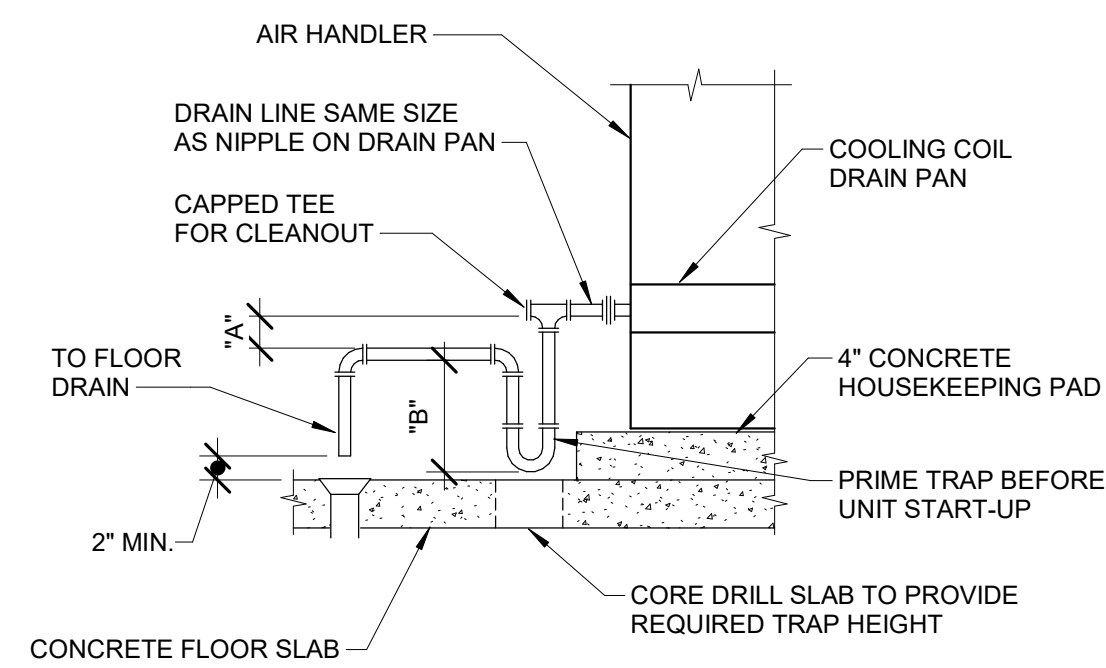
UNLESS OTHERWISE NOTED EQUIPMENT BASED ON GREENHECK

TAG	LOCATION	MODEL	FUNCTION	DIMENSIONS H x W x D	FREE FACE AREA	CFM	A.P.D. IN. W.G.	VELOCITY FPM	DAMPER	REMARKS
L1	SEE PLANS	SED-501	EXHAUST	58"X24" X 5"	5.0	2,000	0.04	400	BACK DRAFT	COLOR SPECIFIED BY ARCHITECT
L2	SEE PLANS	SED-501	INTAKE	58"X24" X 5"	5.0	2,200	0.06	400	NONE	COLOR SPECIFIED BY ARCHITECT.

Revision Schedule		
#	Description	Date

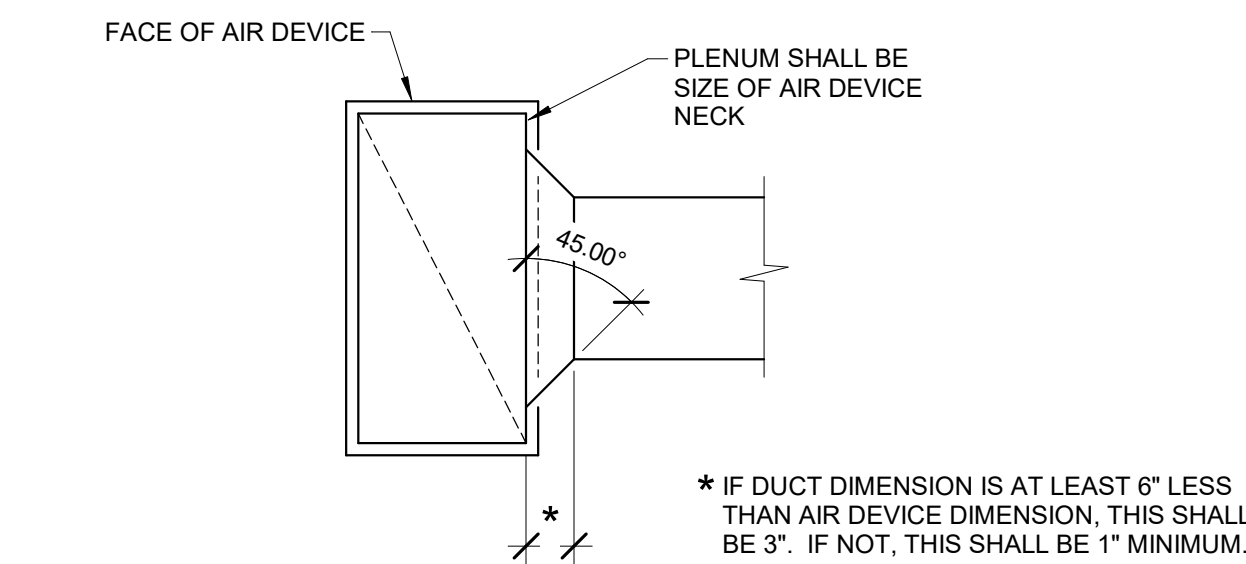


KORDA
KORDA NEMETH ENGINEERING
1650 WATERMARK DRIVE
SUITE 200
COLUMBUS, OHIO 43215
DRAWN BY: Ann Guan
DESIGNED BY: Paul Carr
CHECKED BY: Eric Stephens
PROJECT NUMBER: 2023-0006



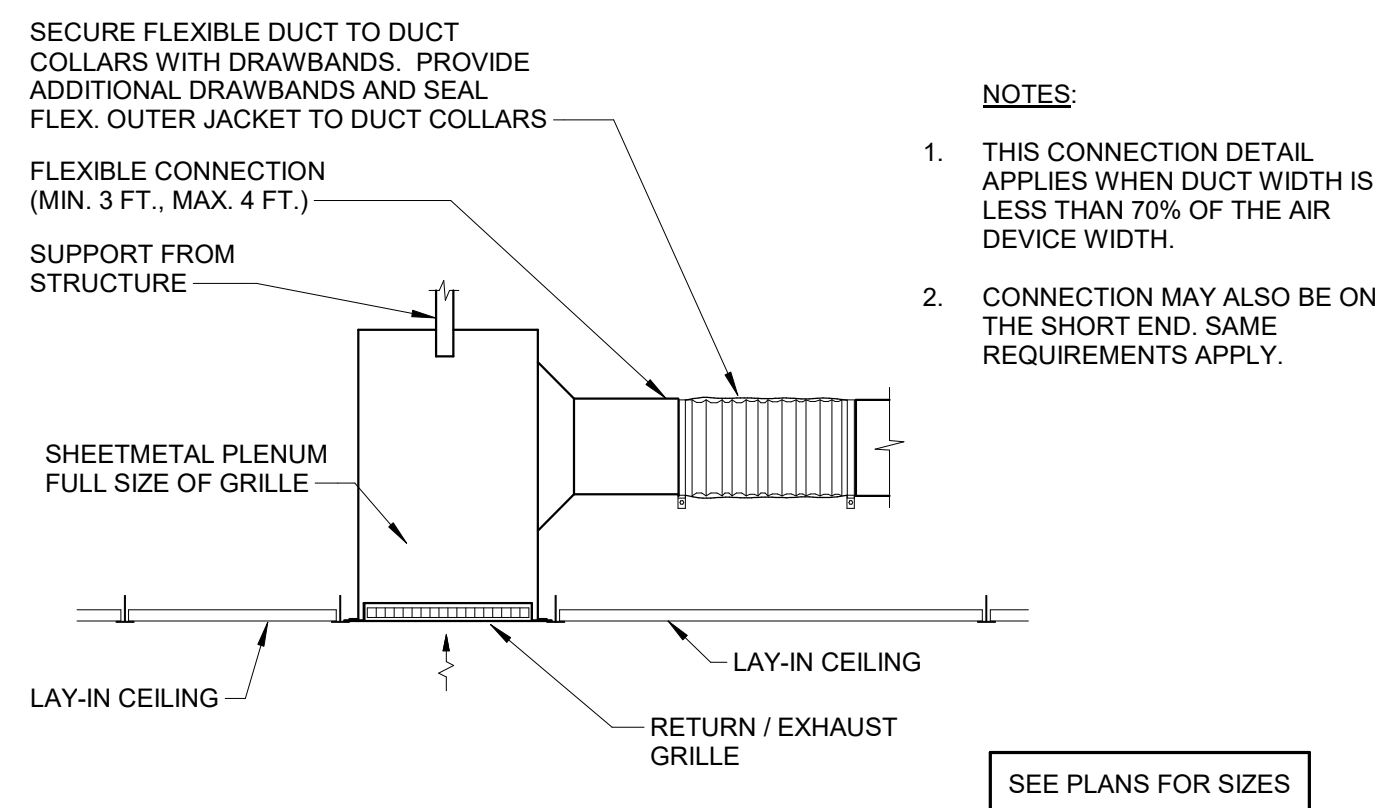
	A (IN)	B (IN)
DRAWTHRU COIL	FAN INLET STATIC	7A/2+1
BLOWTHRU COIL	2" MIN	FAN DISCHARGE STATIC PLUS 1"

1 DETAIL
CONDENSATION DRAIN TRAP PIPING N.T.S.



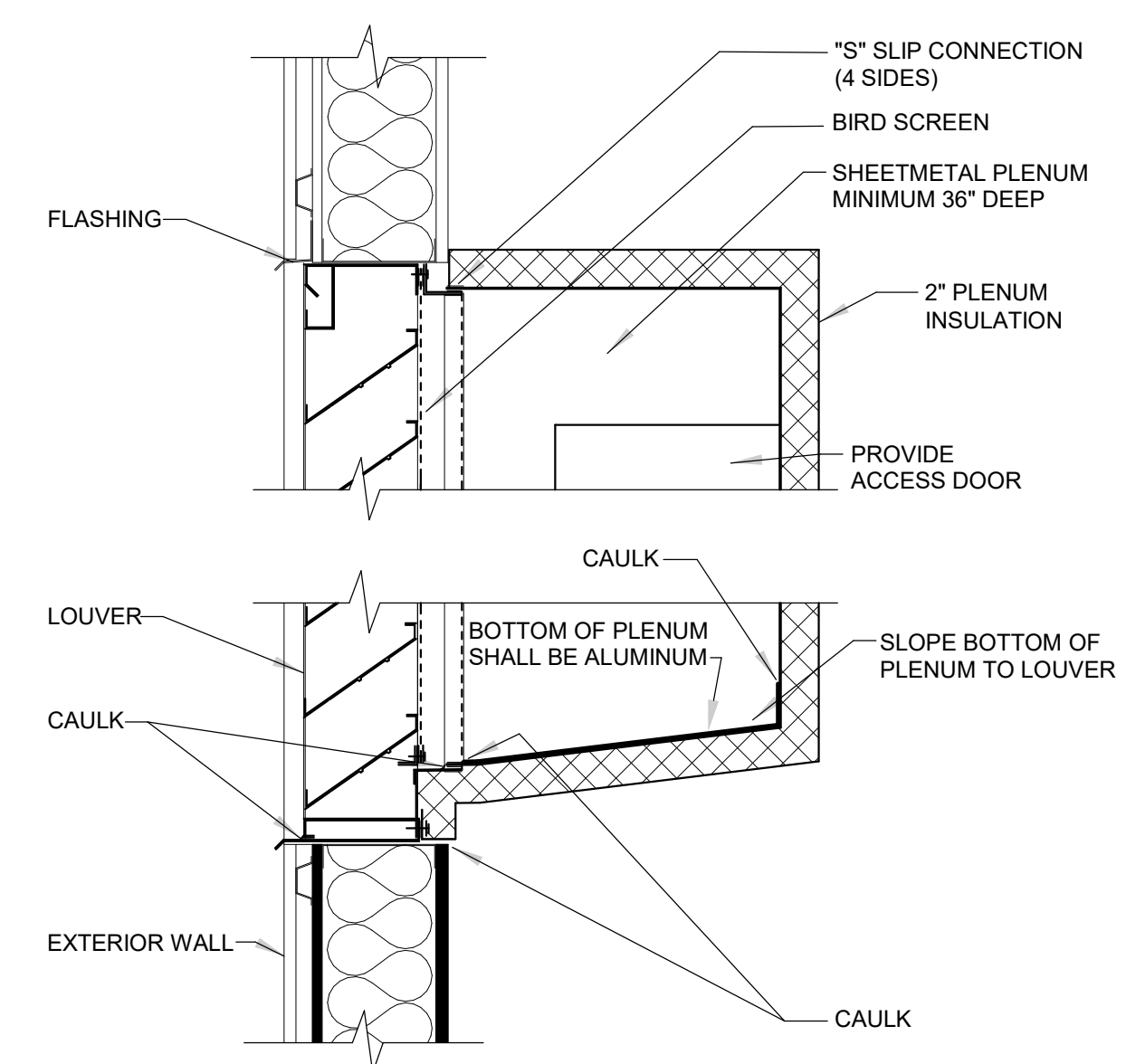
PROVIDE 18" LONG ORANGE MARKER TAPE ON EACH VOLUME DAMPER HANDLE TO IDENTIFY LOCATION

2 DETAIL
TYPICAL DUCT CONNECTIONS N.T.S.

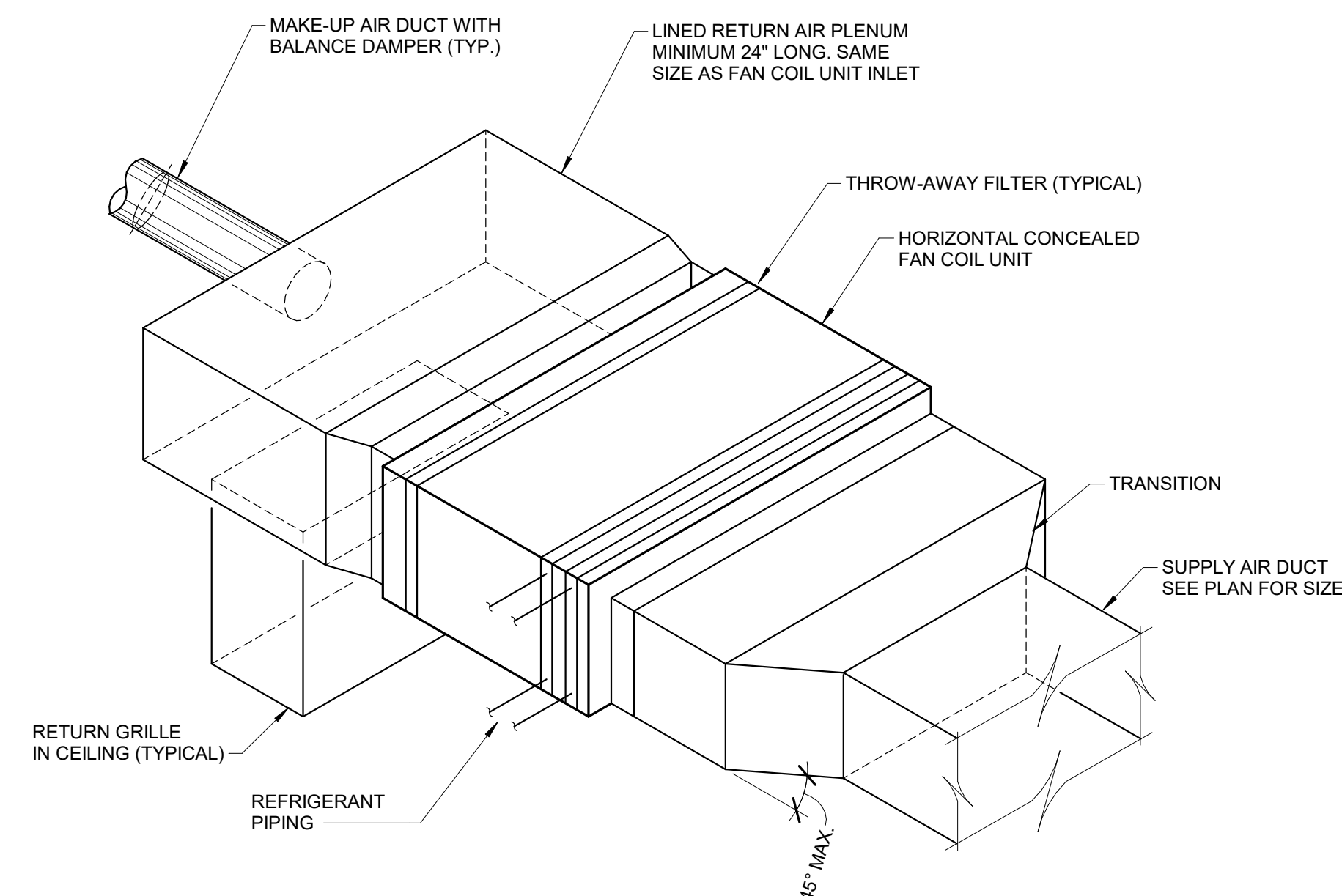


- NOTES:
- THIS CONNECTION DETAIL APPLIES WHEN DUCT WIDTH IS LESS THAN 70% OF THE AIR DEVICE WIDTH.
 - CONNECTION MAY ALSO BE ON THE SHORT END. SAME REQUIREMENTS APPLY.

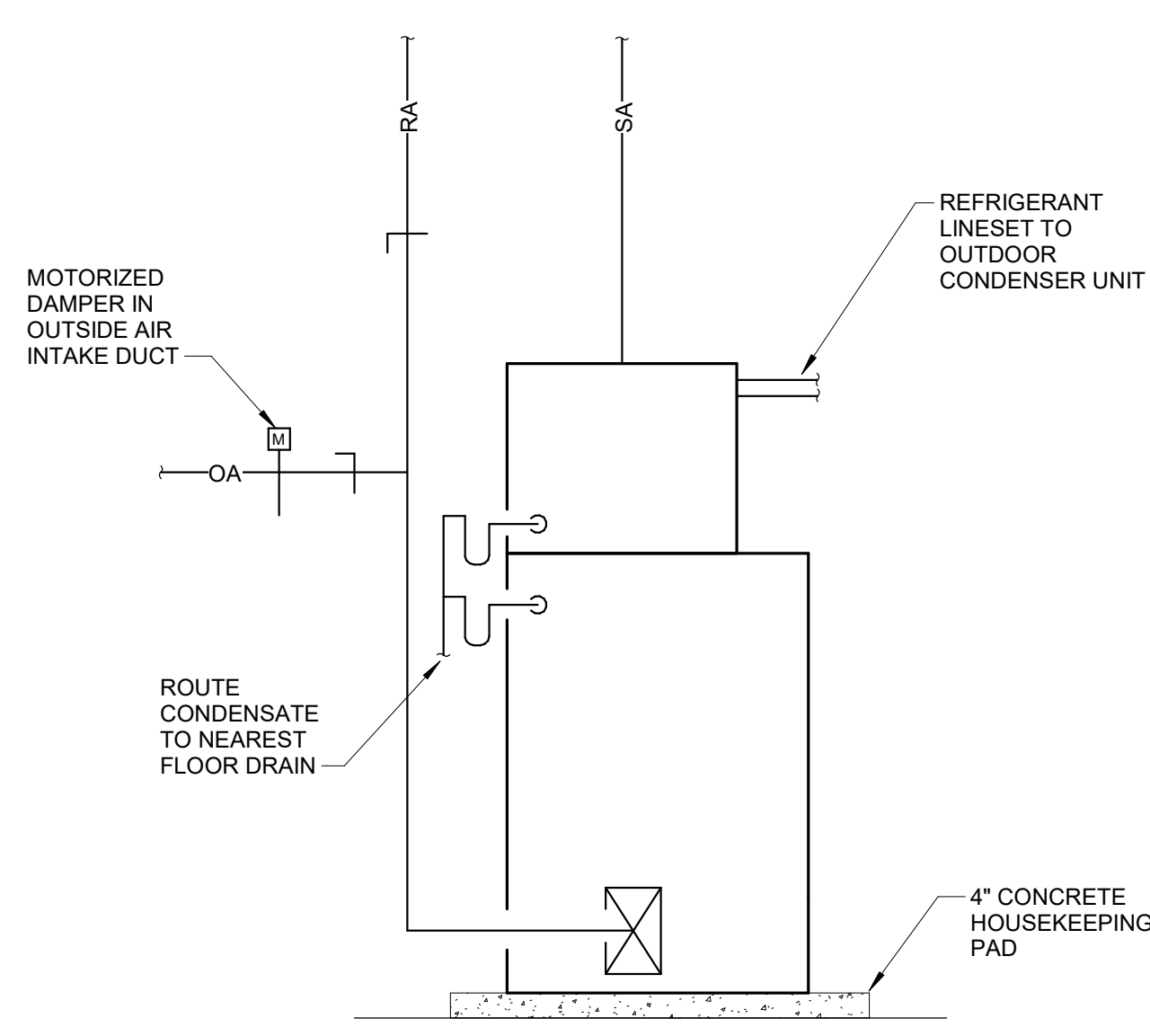
4 DETAIL
RETURN / EXHAUST GRILLE CONNECTION N.T.S.



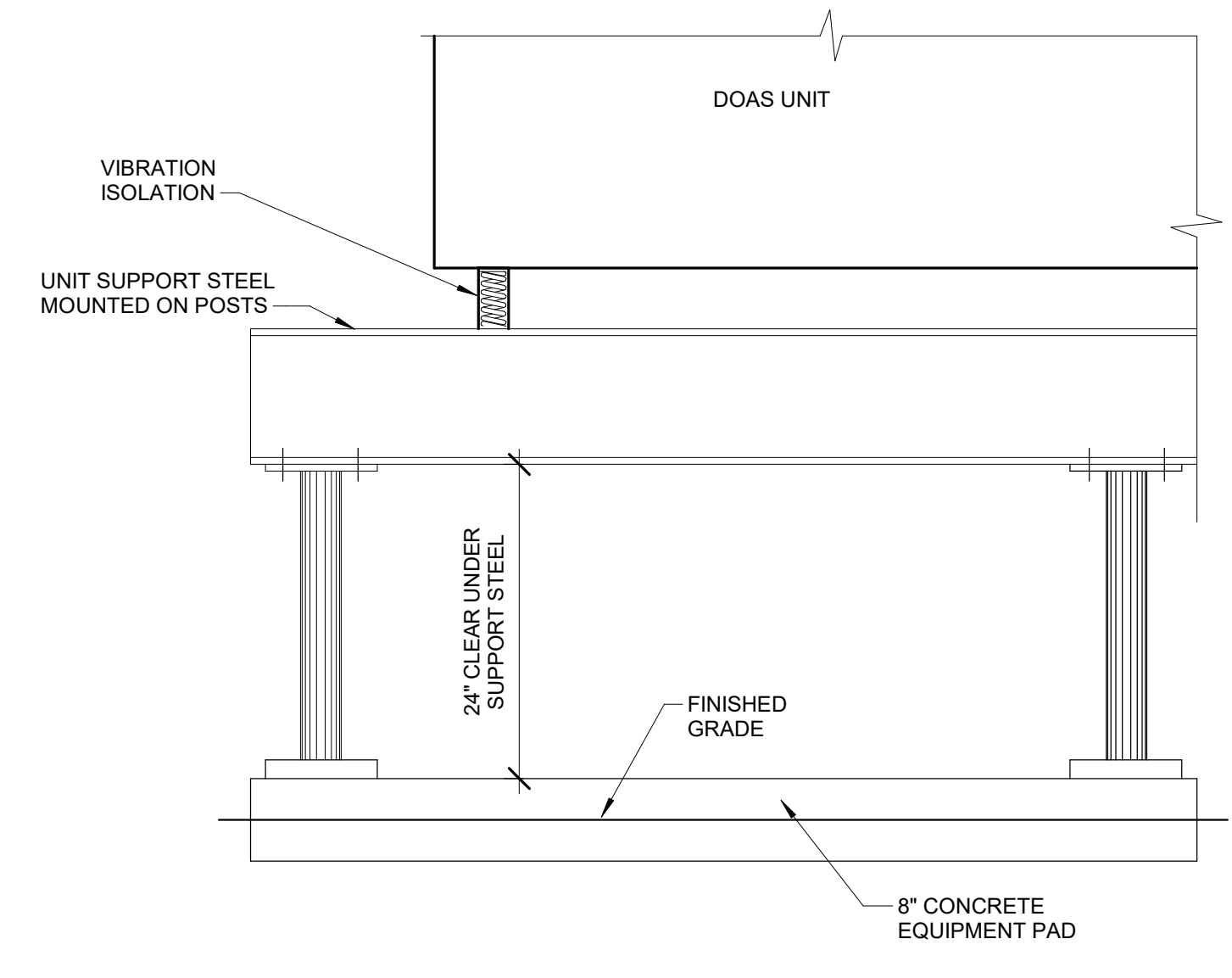
5 DETAIL
OUTSIDE AIR INTAKE AND RELIEF LOUVER N.T.S.



6 DETAIL
HORIZONTAL FAN COIL INSTALLATION N.T.S.



7 DETAIL
VERTICAL FAN COIL INSTALLATION N.T.S.



8 DETAIL
DOAS UNIT AND MOUNTING FRAME IN MECHANICAL ROOM N.T.S.

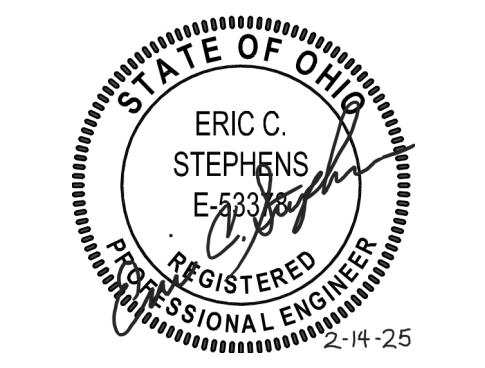
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McCammon Creek
Park

6844 Bale Kenyon Rd
Lewis Center, OH 43035

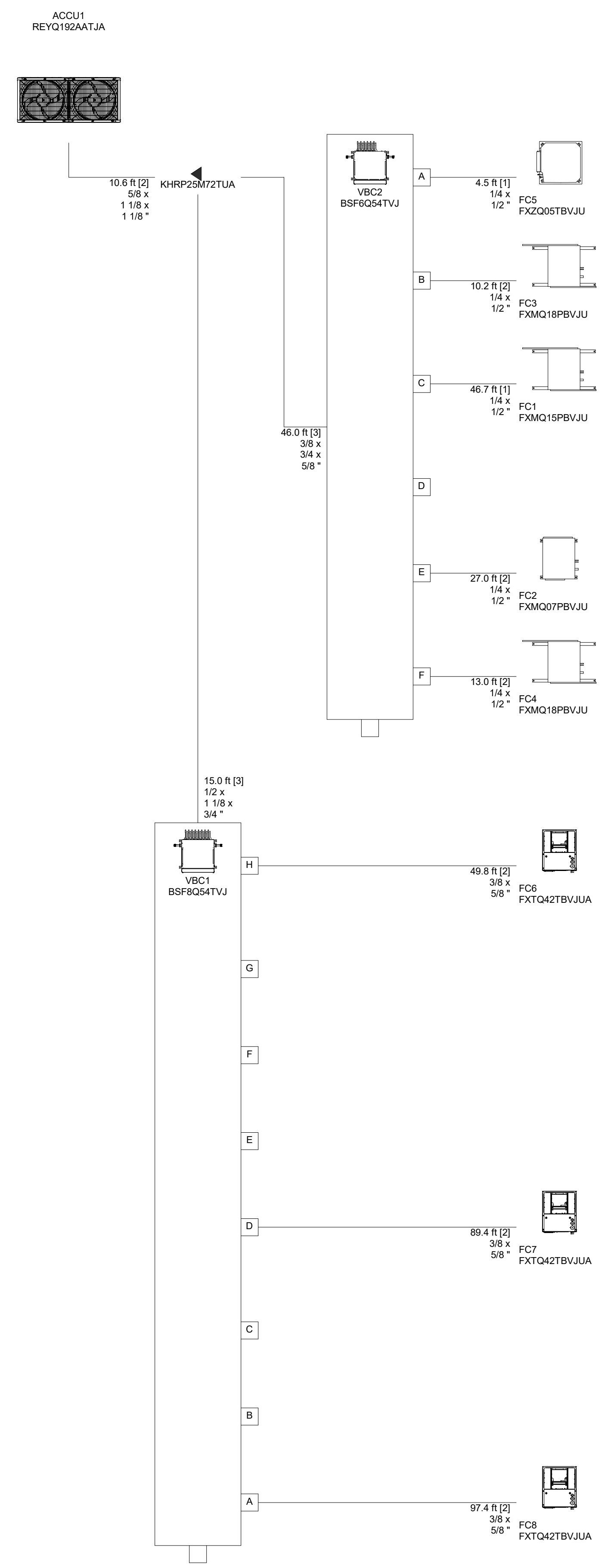


HVAC VRF
SCHEMATICS

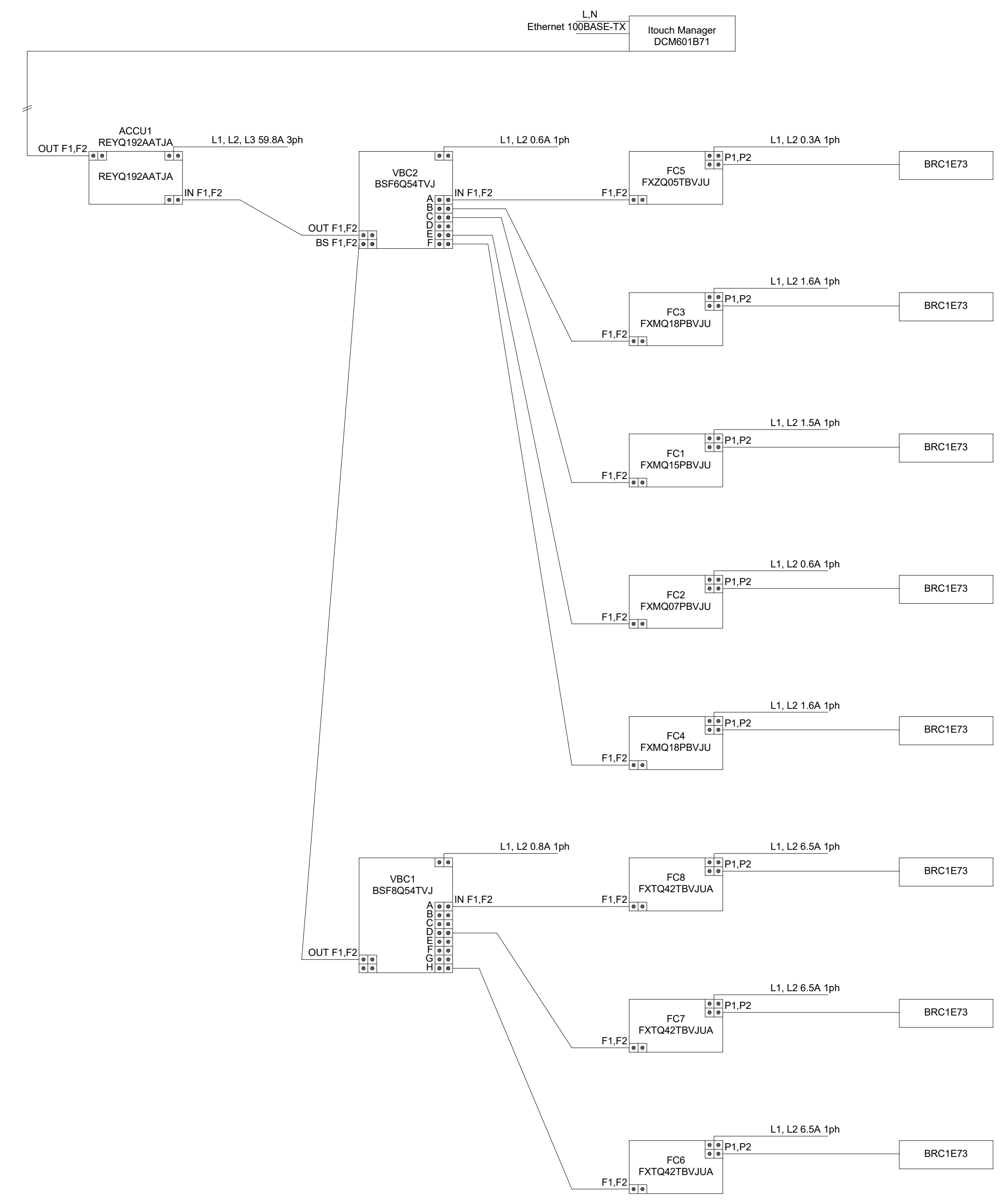
H701

02/14/2025

23070



1 DETAIL
VRF PIPE DIAGRAM N.T.S.



2 DETAIL
VRF CONTROL WIRING N.T.S.

LIGHTING SYMBOLS

Table with columns: SYMBOL, DESCRIPTION, MOUNTING HEIGHT UNLESS NOTED OTHERWISE. Includes symbols for LUMINAIRE, EMERGENCY EGRESS LUMINAIRE, CEILING OR WALL MOUNTED LUMINAIRE, EXIT SIGN FIXTURE, SITE LUMINAIRE, LINE VOLTAGE SWITCH, LOW VOLTAGE VACANCY SENSOR, LOW VOLTAGE OCCUPANCY SENSOR, LOW VOLTAGE SWITCH, LOW VOLTAGE SWITCH AS INDICATED, LOW VOLTAGE DIMMER, and LIGHTING ROOM CONTROLLER.

FIRE ALARM SYMBOLS

Table with columns: SYMBOL, DESCRIPTION, MOUNTING HEIGHT UNLESS NOTED OTHERWISE. Includes symbols for COMBINATION FIRE ALARM AUDIBLE AND VISUAL DEVICE, FIRE ALARM VISUAL DEVICE, FIRE ALARM MANUAL PULL STATION, FIRE ALARM MAGNETIC DOOR HOLDER, FIRE ALARM FLOW SWITCH, FIRE ALARM TAMPER SWITCH, CEILING MOUNTED FIRE ALARM SMOKE DETECTOR, and DUCT MOUNTED FIRE ALARM SMOKE DETECTOR.

POWER SYMBOLS

Table with columns: SYMBOL, DESCRIPTION, MOUNTING HEIGHT UNLESS NOTED OTHERWISE. Includes symbols for SIMPLEX RECEPTACLE, DUPLEX RECEPTACLE, RECEPTACLE FOR EQUIPMENT, COFFEE MAKER, DOOR HARDWARE, ELECTRIC WATER COOLER, GARBAGE DISPOSAL, ICE MACHINE, KITCHEN EQUIPMENT, MONITOR, MICROWAVE, PRINTER, FREEZER/REFRIGERATOR, TELEVISION OUTLET, WEATHERPROOF GFCI DEVICE, JUNCTION BOX, JUNCTION BOX FOR EQUIPMENT, DOOR HARDWARE, DISHWASHER, ELECTRIC HAND DRYER, HVAC CONTROLS, MOTORIZED SCREEN, POKE-THRU FLUSH RECEPTACLE, FURNITURE POWER CONNECTION, FURNITURE VOICE/DATA CONNECTION, SPECIAL PURPOSE RECEPTACLE, SPECIAL PURPOSE RECEPTACLE FOR EQUIPMENT, NEMA 14-30R CLOTHES DRYER, NEMA 6-50R RANGE, JUNCTION BOX WITH POWER CONNECTION, AUTOMATIC DOOR OPERATOR, AUTOMATIC DOOR OPERATOR PUSHBUTTON, HAND WAVE AUTOMATIC DOOR OPERATOR, MOTOR, TOGGLE DISCONNECT SWITCH, SWITCH FURNISHED BY OTHERS, MOTORIZED SCREEN, SAFETY SWITCH, COMBINATION MOTOR STARTER, CONTROL PANEL, VOICE/DATA TERMINAL BOARD, PANELBOARD, DISTRIBUTION PANELBOARD, CONDUIT RISER UP, CONDUIT RISER DOWN, CONDUIT ROUTED UNDER FLOORSPACE, HOME RUN BRANCH CIRCUIT (OVERHEAD), HOME RUN BRANCH CIRCUIT (UNDERFLOOR), and TRANSFORMER.

POWER GENERAL NOTES APPLIES TO EACH POWER DRAWING

- 1. REFER TO DRAWINGS AND SPECIFICATIONS OF OTHER CONSTRUCTION TRADES FOR ADDITIONAL ELECTRICAL WORK INCLUDED IN THIS CONTRACT.
2. COORDINATE EXACT LOCATIONS OF EQUIPMENT WITH OTHER CONSTRUCTION TRADES. VERIFY EXACT WIRING AND CONNECTION REQUIREMENTS WITH SUBMITTAL DOCUMENTS BEFORE INSTALLATION.
3. REFER TO ARCHITECTURAL ELEVATIONS FOR OUTLET MOUNTING HEIGHTS.
4. EXACT LOCATIONS OF FLOOR RECESSED OUTLETS, FLOORBOXES, AND POKE-THRU'S. SHALL BE COORDINATED WITH FURNITURE AND EQUIPMENT PLANS.
5. ALL CONDUITS IN AREAS WITHOUT SUSPENDED CEILINGS SHALL BE RUN INCONSPICUOUSLY AS POSSIBLE, HIDDEN BEHIND BEAMS, CLOSE TO DECK ETC.
6. ALL DEVICES SHOWN ON THE EXTERIOR OF THE BUILDING SHALL BE WEATHERPROOF TYPE.
7. REFER TO ARCHITECTURAL DOOR SCHEDULES, AND DOOR HARDWARE SPECIFICATION FOR ELECTRICAL DEVICES INSTALLED AT DOORS.
8. PROVIDE ALL FINAL POWER CONNECTIONS TO EQUIPMENT.
9. RACEWAY SHALL RUN AS INCONSPICUOUSLY AS POSSIBLE.
11. CIRCUIT NUMBER INDICATED WITH "GF" IS A CIRCUIT PROTECTED BY GROUND FAULT INTERRUPTING CIRCUIT BREAKER.

LIGHTING GENERAL NOTES APPLIES TO EACH LIGHTING DRAWING

- 1. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF LUMINAIRES.
2. REFER TO ARCHITECTURAL ELEVATIONS, CASEWORK, AND DETAILS, ELECTRICAL DETAILS, AND LUMINAIRE SCHEDULE FOR LUMINAIRE MOUNTING HEIGHTS AND ADDITIONAL INSTALLATION INFORMATION.
3. LOCATIONS OF LUMINAIRES IN ROOMS WITH MECHANICAL EQUIPMENT SHALL BE COORDINATED IN FIELD WITH INSTALLED EQUIPMENT.
4. SOME SWITCHED LIGHTING CIRCUITING NOT SHOWN FOR CLARITY.
5. OCCUPANCY/VACANCY SENSOR POWER PACKS ARE NOT SHOWN FOR CLARITY.
6. INSTALL DRIVER FOR LUMINAIRES PROVIDED WITH REMOTE DRIVERS.
7. PROVIDE STEEL BRIDGING BETWEEN PURLINS/JOISTS/BEAMS AS NECESSARY TO SUPPORT THE WEIGHT OF SUSPENDED LUMINAIRES.

DEMOLITION GENERAL NOTES APPLIES TO EACH DEMOLITION DRAWING

- 1. TURN OVER ANY SALVAGEABLE EQUIPMENT.
2. COORDINATE EXACT EXTENT OF DEMOLITION WITH ARCHITECTURAL DEMOLITION DRAWINGS.
3. COORDINATE PHASING OF DEMOLITION AND CONSTRUCTION PER DRAWINGS.
4. REMOVE ALL LIGHTING FIXTURES, DEVICES, OUTLETS, CONDUIT, CABLING, PANELS, AND EQUIPMENT WITHIN AREAS OF DEMOLITION.
5. EXISTING EQUIPMENT OUTSIDE OF SCOPE OF WORK BOUNDARIES SHALL BE MAINTAINED.
6. REMOVE ALL UNUSED WIRING AND CABLES BACK TO THEIR SOURCE.
7. THE INTENTION OF THE ELECTRICAL DEMOLITION DRAWINGS IS TO DISCONNECT AND REMOVE ALL ELECTRICAL WORK MADE VOID BY THE SCOPE OF THE CONSTRUCTION AND ALTERATION.
8. WHERE BURIED CONDUITS EXTENDING OUT OF A CONCRETE SLAB BECOME ABANDONED, CUT AND GRIND THE CONDUITS OFF FLUSH WITH TOP OF SLAB.
9. COORDINATE ALL DEMOLITION WORK WITH ALL OTHER TRADES.
10. LEGALLY DISPOSE OF HAZARDOUS MATERIALS AND BALLAST OR OTHER EQUIPMENT CONTAINING PCB'S AND LAMPS CONTAINING MERCURY.

ELECTRICAL ABBREVIATIONS

ABBREVIATIONS USED ON DRAWINGS IN GENERAL ARE LISTED BELOW. REFER TO CSI DOCUMENT TD-2-4 FOR ANY ABBREVIATIONS LISTED ON THE DRAWINGS BUT ARE NOT LISTED BELOW.

Table of electrical abbreviations including AMPS, AIR CONDITIONER, ABOVE FINISH FLOOR, ABOVE FINISH GRADE, AIR HANDLER UNIT, BREAKER, CONDUIT, CABLE ANTENNA TELEVISION, CLOSED CIRCUIT TELEVISION, CABINET UNIT HEATER, CIRCUIT, CONTROL POWER TRANSFORMER, COPPER, DISTRIBUTION, DAYLIGHT HARVESTING, EXHAUST FAN, ELECTRICAL EMERGENCY, ELECTRICAL METALLIC TUBING, EMERGENCY POWER OFF, ELECTRIC VEHICLE SERVICE EQUIPMENT (CHARGER), ELECTRIC WATER COOLER, EXISTING, EXPLOSION PROOF TYPE DEVICE, FUSE, FIRE ALARM ANNUNCIATOR, FIRE ALARM CONTROL PANEL, FIRE ALARM PANEL, FIRE ALARM REMOTE ANNUNCIATOR, FAN COIL UNIT, LIGHT FIXTURE, FLUORESCENT, FLOOR, FUSIBLE SWITCH, GROUND, GALVANIZED RIGID CONDUIT, GROUND FAULT INTERRUPTER DEVICE, HIGH INTENSITY DISCHARGE, HEATING, VENTILATION, AIR CONDITIONING, HORSEPOWER, INFORMATION TECHNOLOGY, JUNCTION BOX, KITCHEN EQUIPMENT CONTRACTOR, KILOVOLT, KILOVOLT AMPERE, KILOWATTS, LIGHTING CONTACTOR, LIGHTING, LOW VOLTAGE, MOTOR CONTROL CENTER, MECHANICAL, MAIN SWITCHBOARD, MOTOR CONTROL CENTER MOUNTED, INDICATES MOUNTING HEIGHT (N) TO CENTER OF DEVICE FROM FINISH FLOOR UNLESS OTHERWISE NOTED, NOT IN CONTRACT, NIGHTLIGHT, NOT TO SCALE, ON CENTER, OVERHEAD, POLE (PHASE), POLYVINYL CHLORIDE, PNEUMATIC/ELECTRIC PANEL, PHASE, RETURN AIR FAN, ROOFTOP UNIT, SHUNT TRIP, SWITCH, TEMPERATURE CONTROL PANEL, TRANSFORMER, TAMPER RESISTANT, TELEVISION, TYPICAL, UNDERGROUND, UNIT HEATER, UNLESS NOTED OTHERWISE, VOLTS, VARIABLE AIR VOLUME, VARIABLE FREQUENCY DRIVE, VERIFY IN FIELD, VOLUME CONTROL, WATTS, WEATHERPROOF TYPE DEVICE, MEANS DETAIL No. 1, DRAWING SHEET "E1"

SYMBOL LIST GENERAL INFORMATION

- 1. SOME SYMBOLS MAY NOT BE USED.
2. MOUNTING HEIGHTS ARE TO CENTER OF DEVICE UNLESS NOTED OTHERWISE.
3. STRAIGHT LINES BETWEEN DEVICES INDICATE CONTROLLED CIRCUIT.

DEVICE SUFFIXES

Table with columns: ABBREVIATION, DESCRIPTION. Includes ABOVE COUNTER OUTLET, CEILING MOUNTED OUTLET, FLOOR MOUNTED OUTLET, LINE VOLTAGE TYPE, MODULAR FURNITURE OUTLET, WALL MOUNTED, WIRE GUARD, WEATHER PROOF.

BRANCH CIRCUIT GENERAL NOTE

- 1. BRANCH CIRCUIT CONDUIT ROUTING IS NOT SHOWN ON THE PLANS AND LEFT TO THE DISCRETION OF THE CONTRACTOR. BRANCH CIRCUIT WIRE SIZE SHALL BE AS FOLLOWS BASED ON CONDUIT ROUTE LENGTHS. BEFORE WIRING INSTALLATION, VERIFY THAT THE FURTHEST DISTANCE FROM PANELBOARD TO OUTLET DOES NOT EXCEED THE FOLLOWING DISTANCE FOR WIRE SIZE SHOWN. INCREASE WIRE SIZE APPROPRIATELY FOR FARTHER DISTANCES.

Table with columns: CONDUCTOR SIZE, MAXIMUM LENGTH. Lists wire sizes (#12 AWG to #6 AWG) and their corresponding maximum lengths (100 FEET to 400 FEET).

ELECTRICAL SHEET INDEX table with columns: SHEET NUMBER, SHEET NAME. Lists sheets E000 through E703 and their corresponding sheet names.



ARCHITECTURE. INSPIRED.

300 Marconi Boulevard Columbus OH 43215 schooleycaldwell.com

Consultants: Civil, Structural & MEP Korda/Nemeth Engineering 1650 Watermark Drive, Columbus, OH 43215 614.487.1650

Barn Consultant Mt. Vernon Barn Co. 7076 Court 19, Fredericktown, OH 43019 614.634.2949

Drawing Issue Dates

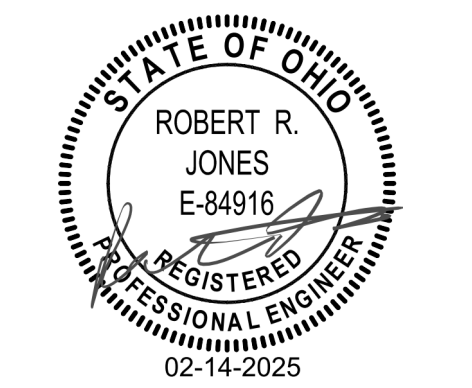
- Design Development Submittal 11/17/2023
50% Construction Documents 08/15/2024
90% Construction Documents 01/15/2025
Bid Set / Permit Set 02/14/2025

Revision Schedule

Table with columns: #, Description, Date

Bicentennial Barn - McCammon Creek Park

6844 Bale Kenyon Rd Lewis Center, OH 43035



ELECTRICAL SYMBOLS LIST AND LEGENDS

E000

02/14/2025

23070

KORDA logo and contact information: KORDA NEMETH ENGINEERING 1650 WATERMARK DRIVE SUITE 200 COLUMBUS, OHIO 43215. Includes fields for DRAWN BY, DESIGNED BY, CHECKED BY, and PROJECT NUMBER.

Drawing Issue Dates

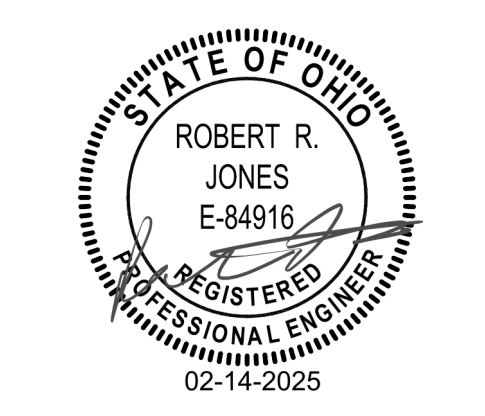
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Bicentennial Barn -
McCammon Creek
Park

6844 Bale Kenyon Rd
Lewis Center, OH 43035



ELECTRICAL NEW
WORK SITE PLAN

E001

02/14/2025

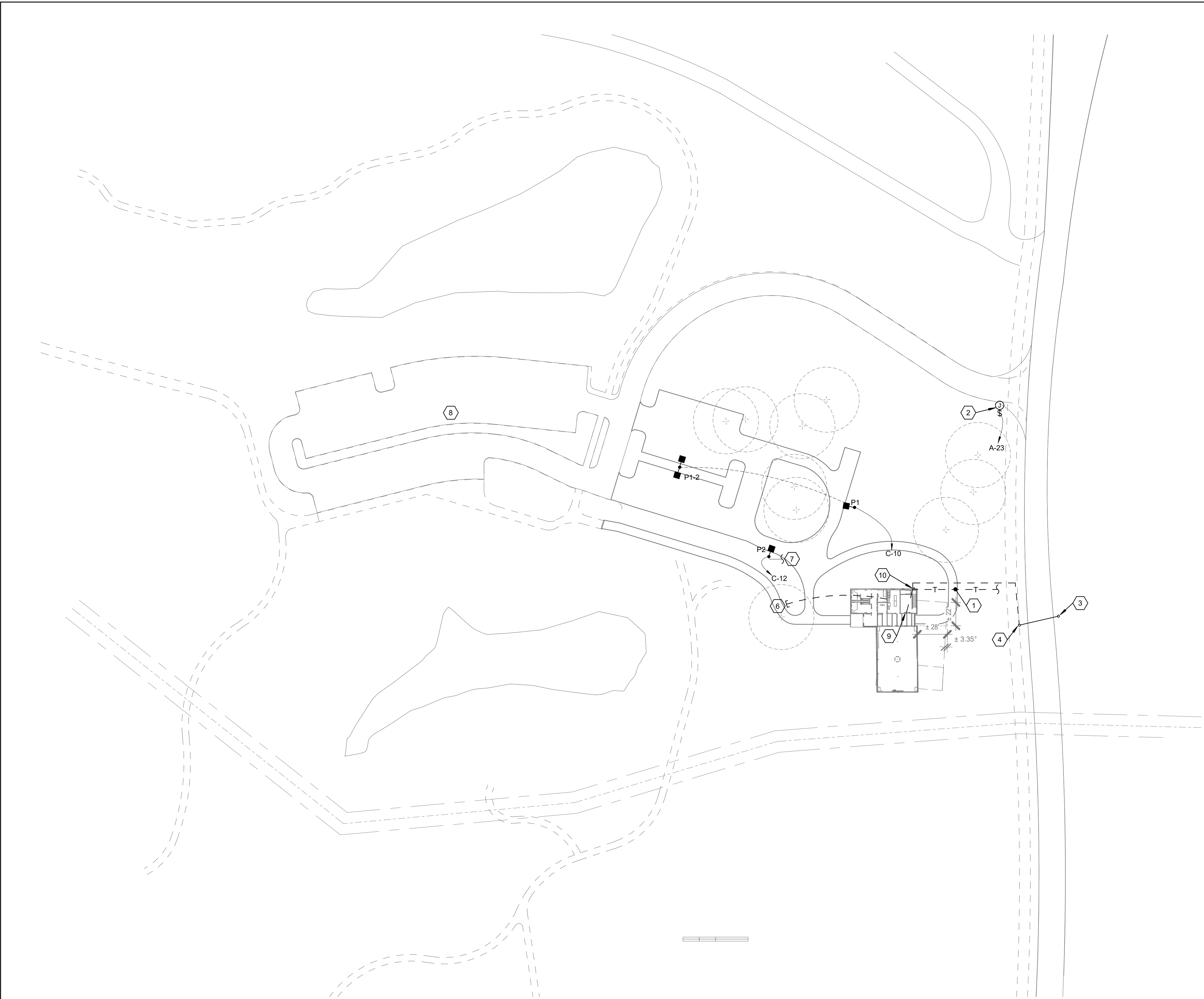
23070

GENERAL NOTES

- REFER TO LIGHTING FIXTURE SCHEDULE FOR ADDITIONAL INSTALLATION INFORMATION.
- REFER TO ARCHITECTURAL ELEVATIONS AND DETAILS FOR MOUNTING HEIGHTS OF BUILDING EXTERIOR LIGHTING FIXTURES.
- PROVIDE APPROPRIATE REINFORCED CONCRETE BASES FOR SITE LIGHTING POLE LIGHTS, ILLUMINATED BOLLARDS, AND GROUND MOUNTED LIGHTING FIXTURES. REFER TO E702 FOR DETAILS.
- REFER TO ELECTRICAL WIRING DIAGRAM AND DETAIL SHEETS FOR LIGHTING FIXTURE POLE BASE DETAILS, CONTROL DIAGRAMS, DUCTBANK SECTIONS AND OTHER SITE DETAILS.
- PROVIDE CONCRETE PAD EQUIPMENT BASES FOR ALL EXTERIOR ELECTRICAL EQUIPMENT, IN ACCORDANCE WITH MANUFACTURER REQUIREMENTS.
- COORDINATE EXACT LOCATIONS OF ELECTRICAL UTILITY EQUIPMENT AND REQUIREMENTS BEFORE INSTALLATION.
- ALL POLE MOUNTED LIGHTING FIXTURES SHALL HAVE TRANSIENT VOLTAGE SURGE SUPPRESSOR (TVSS) MOUNTED IN POLE BASE.
- EXTERIOR LIGHTING TO BE CONTROLLED BY INTEGRAL PHOTOCELL AND MOTION SENSOR UNLESS NOTED OTHERWISE. REFER TO LIGHTING PLANS AND LUMINAIRE SCHEDULE FOR MORE INFORMATION.

CODED NOTES

- (2) 3" CONDUITS WITH PULL CORD FROM PROPERTY LINE AT THE ROAD UNDERGROUND, STUBBED UP INTO THE TECHNOLOGY ROOM.
- DISCONNECT FOR GATE OPERATOR.
- APPROXIMATE LOCATION OF EXISTING UTILITY POLE.
- APPROXIMATE LOCATION OF NEW UTILITY POLE WITH AEP TRANSFORMER. COORDINATE REQUIREMENTS WITH AEP.
- UNDERGROUND SERVICE FEEDER FROM AEP TRANSFORMER TO MAIN PANEL DBA. SEE ONE LINE DIAGRAM.
- STUB & CAP (2) 2" CONDUITS FROM MAIN DISTRIBUTION BOARD "DBA" FOR FUTURE ACCESSORY BUILDINGS.
- REFER TO FLOOR PLANS FOR CONNECTION TO ROOM CONTROLLER.
- FUTURE PARKING LOT.
- APPROXIMATE LOCATION OF ELECTRICAL DISTRIBUTION PANEL IN BASEMENT. REFER TO FLOOR PLANS.
- FEED SERVICE TO WALL MOUNTED UTILITY METER. RUN CONDUIT UNDERGROUND FROM METER TO DISTRIBUTION PANEL.



1 SITE PLAN
NEW WORK SITE PLAN
SCALE: 1" = 50'-0"
0 50' 100' 150'

KORDA
KORDA NEMETH ENGINEERING
1650 WATERMARK DRIVE
SUITE 200
COLUMBUS, OHIO 43215

DRAWN BY: Jack Messmore
DESIGNED BY: Jack Messmore
CHECKED BY: Rob Jones
PROJECT NUMBER: 2023-0006

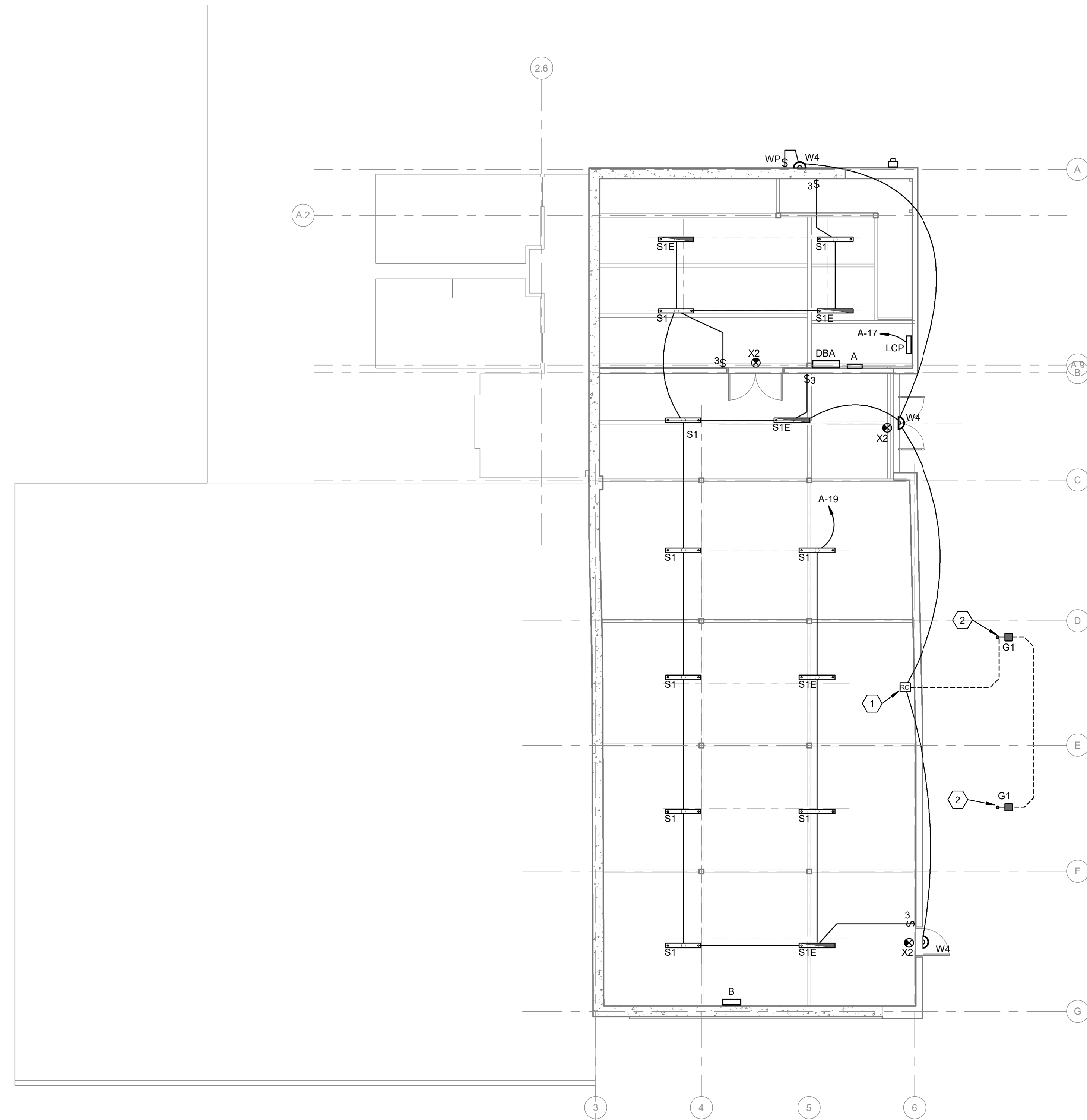
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- GENERAL NOTES**
- EXTERIOR WALL MOUNTED LIGHTING TO BE ON/OFF/DIMMED BY INTEGRAL PHOTOCELL AND MOTION SENSOR. (EXCLUDING TYPE G1)
 - EXIT SIGNS TO BE FED BY NEAREST EMERGENCY CIRCUIT.
 - REFER TO LIGHTING FIXTURE SCHEDULE FOR ADDITIONAL INSTALLATION INFORMATION.

- CODED NOTES**
- TIE TO LIGHTING CONTROL SYSTEM AND GRAPHIC CONTROLLER IN 1ST FLOOR OFFICE FOR MANUAL ON/OFF CONTROL OF EXTERIOR FLOOD LIGHTING.
 - GROUND MOUNT IN THIS APPROXIMATE LOCATION 10 FT FROM THE BUILDING. AND AIM FIXTURE TO ILLUMINATE LOGO ON SIDE OF BUILDING.



1 FLOOR PLAN
GROUND FLOOR NEW WORK LIGHTING PLAN

SCALE: 1/8" = 1'-0"
0' 1" 2" 4" 8"

KORDA
KORDA NEMETH ENGINEERING
1650 WATERMARK DRIVE
SUITE 200
COLUMBUS, OHIO 43215

DRAWN BY: Jack Messmore
DESIGNED BY: Jack Messmore
CHECKED BY: Rob Jones
PROJECT NUMBER: 2023-0006

**ELECTRICAL
GROUND FLOOR
LIGHTING PLAN**

E200

02/14/2025

23070

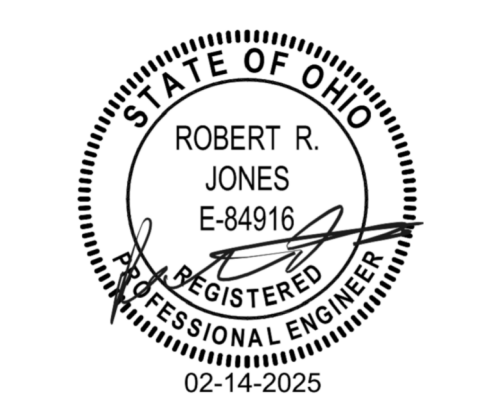
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Bid Set / Permit Set	02/14/2025

Revision Schedule		
#	Description	Date

Bicentennial Barn -
McCammon Creek
Park

6844 Bale Kenyon Rd
Lewis Center, OH 43035



ELECTRICAL MAIN
FLOOR LIGHTING
PLAN

E201

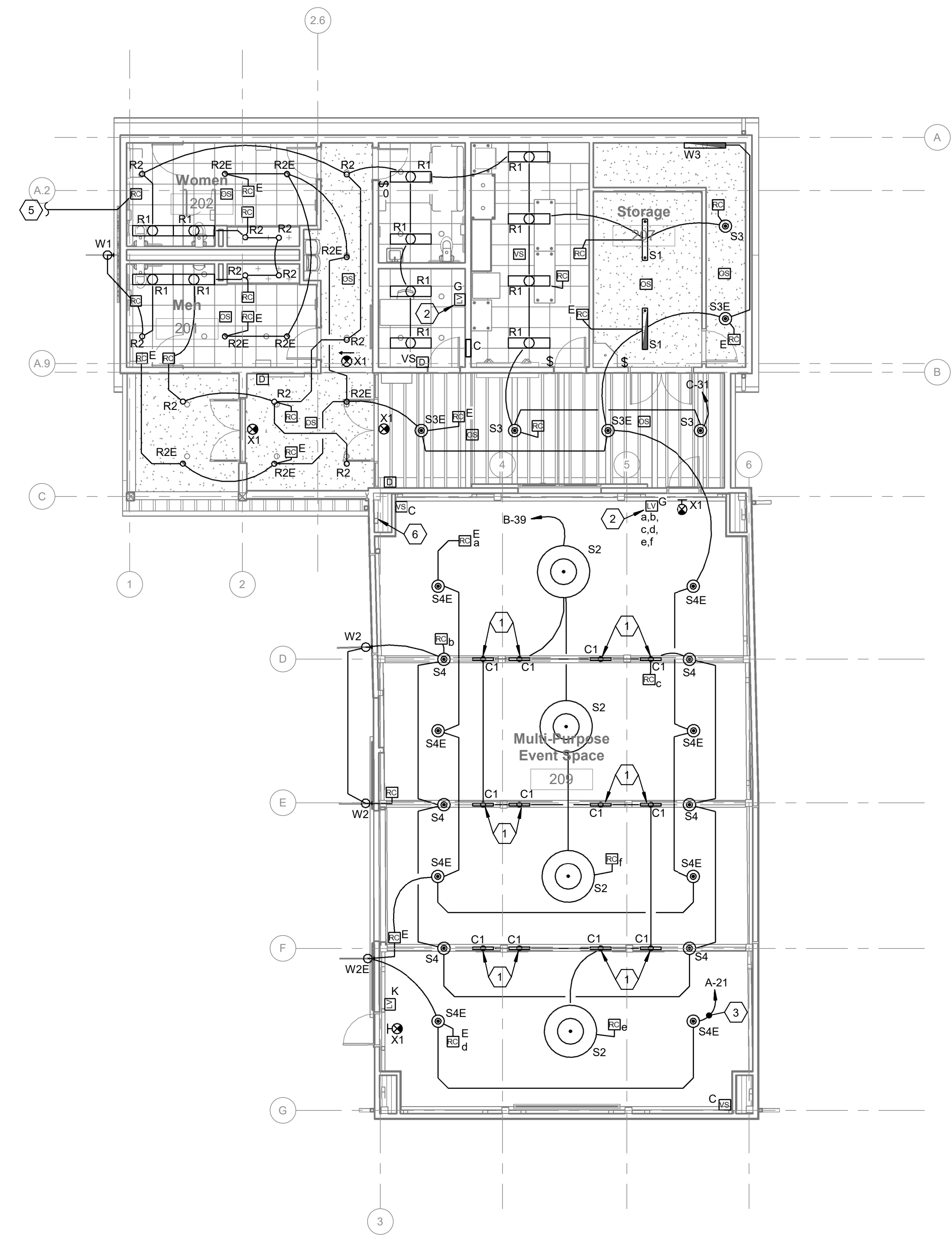
02/14/2025

23070

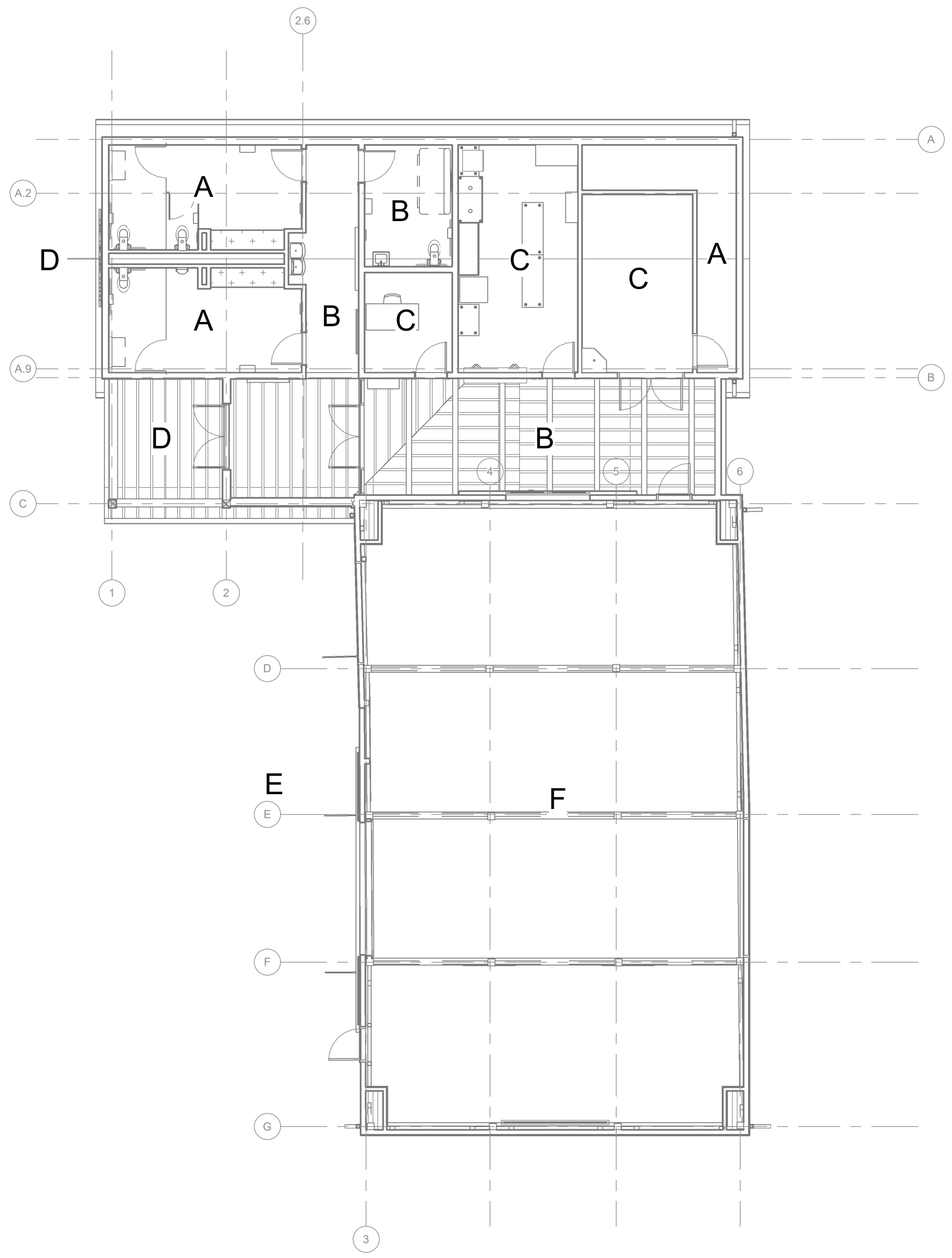
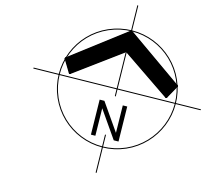
- GENERAL NOTES**
- EXIT SIGNS TO BE FED BY NEAREST EMERGENCY LIGHTING CIRCUIT.
 - ROOM CONTROLLERS TO BE LOCATED ABOVE NEARBY ACT CEILING. COORDINATE LOCATION WITH ARCHITECT IN FIELD.
 - LIGHT FIXTURES TAGGED WITH AN 'E' AT THE END OF THE TAG DENOTE EMERGENCY LIGHTING.
 - REFER TO LIGHTING FIXTURE SCHEDULE FOR ADDITIONAL INSTALLATION INFORMATION.
 - REFER TO ARCHITECTURAL ELEVATIONS AND DETAILS FOR MOUNTING HEIGHTS OF BUILDING EXTERIOR LIGHTING FIXTURES.

- CODED NOTES**
- MINI LINEAR LIGHTING MOUNTED ON TOP OF BEAMS AND AIMED TO UPLIGHT CEILING.
 - TOUCH SCREEN GRAPHIC CONTROLLER FOR LIGHTING. (BASIS OF DESIGN: nLIGHT NTS)
 - ROUTE CIRCUIT THROUGH LIGHTING INVERTER "I1".
 - FEED THESE 2 CANOPY LIGHTS THROUGH LCP TO BE CONTROLLED BY TIME OF DAY SCHEDULE WITH MANUAL OVERRIDE.
 - ROOM CONTROLLER FOR "P2" PEDESTRIAN POLE LIGHT ON SITE PLAN.
 - LOCATE EVENT SPACE ROOM CONTROLLERS IN CORNER OF ROOM.

- LIGHTING CONTROL ZONE SCHEDULE**
- AUTO-ON TO 100% BY OCCUPANCY SENSOR.
- AUTO-OFF BY OCCUPANCY SENSOR AFTER 30 MINUTES OF VACANCY.
 - AUTO-ON TO 100% BY OCCUPANCY SENSOR.
- MANUAL ON/OFF/DIM BY WALL MOUNTED DIMMER/SWITCH.
- AUTO-OFF BY OCCUPANCY SENSOR AFTER 30 MINUTES OF VACANCY.
 - MANUAL ON TO 100% BY WALL MOUNTED DIMMER/SWITCH.
- MANUAL ON/OFF BY WALL MOUNTED SWITCH.
- AUTO-OFF BY VACANCY SENSOR AFTER 30 MINUTES OF VACANCY.
 - (NETWORKED) ON/OFF BY TIME OF DAY CONTROL.
- SCHEDULE FOR LIGHTS ON TO 50% AT DUSK, AND OFF AT SUNRISE.
- MANUAL ON/OFF CONTROL BY TOUCHSCREEN CONTROLLER IN OFFICE.
 - (NETWORKED) MANUAL ON TO 100% BY GRAPHICAL CONTROLLERS.
- SCHEDULED OFF AT SUNRISE.
 - (NETWORKED) MANUAL ON TO CUSTOM SCENES BY GRAPHICAL CONTROLLER AS FOLLOWS:
- "ON" OPTION TO TURN ALL ZONES ON TO 100%.
- "OFF" OPTION TO TURN ALL ZONES OFF.
- "SHADES" OPTION TO TURN ONLY ZONE 'a', 'b', and 'd' ON TO 100%.
- "WEDDING" OPTION TO DIM ZONE 'a', 'b' and 'd' TO 50%, AND TURN ALL REMAINING LIGHTS TO 100%.
- "PRESENTATION" OPTION TO DIM ZONE 'd' and 'e' TO 10%, AND DIM ALL REMAINING LIGHTS TO 80%.
- PROVIDE ABILITY TO DIM EACH INDIVIDUAL ZONE NAMED ACCORDINGLY:
ZONE 'a', 'b', and 'd': SHADES
ZONE 'b' and 'e': CHANDELIERS
ZONE 'c': UPLIGHT
ZONE 'd' and 'e': PRESENTATION
MANUAL ON/OFF TO 100%/0% BY LOW-VOLTAGE KEYPAD SWITCH.
- AUTO-OFF BY VACANCY SENSOR AFTER 30 MINUTES OF VACANCY.



1 FLOOR PLAN
MAIN FLOOR NEW WORK LIGHTING PLAN
SCALE: 1/8" = 1'-0"
0' 1" 2" 4" 8"



2 FLOOR PLAN
MAIN FLOOR NEW WORK LIGHTING PLAN CONTROLS
SCALE: 1/8" = 1'-0"
0' 1" 2" 4" 8"

KORDA
KORDA NEMETH ENGINEERING
1650 WATERMARK DRIVE
SUITE 200
COLUMBUS, OHIO 43215
DRAWN BY: Jack Messmore
DESIGNED BY: Jack Messmore
CHECKED BY: Rob Jones
PROJECT NUMBER: 2023-0006

Drawing Issue Dates

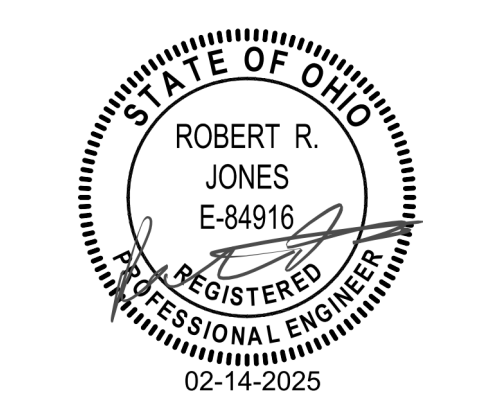
Design Development Submittal	11/17/2023
50% Construction Documents	08/15/2024
90% Construction Documents	01/15/2025
Bid Set / Permit Set	02/14/2025

Revision Schedule

#	Description	Date
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Bicentennial Barn -
McCammon Creek
Park

6844 Bale Kenyon Rd
Lewis Center, OH 43035



ELECTRICAL
GROUND FLOOR
POWER PLAN

E300

02/14/2025

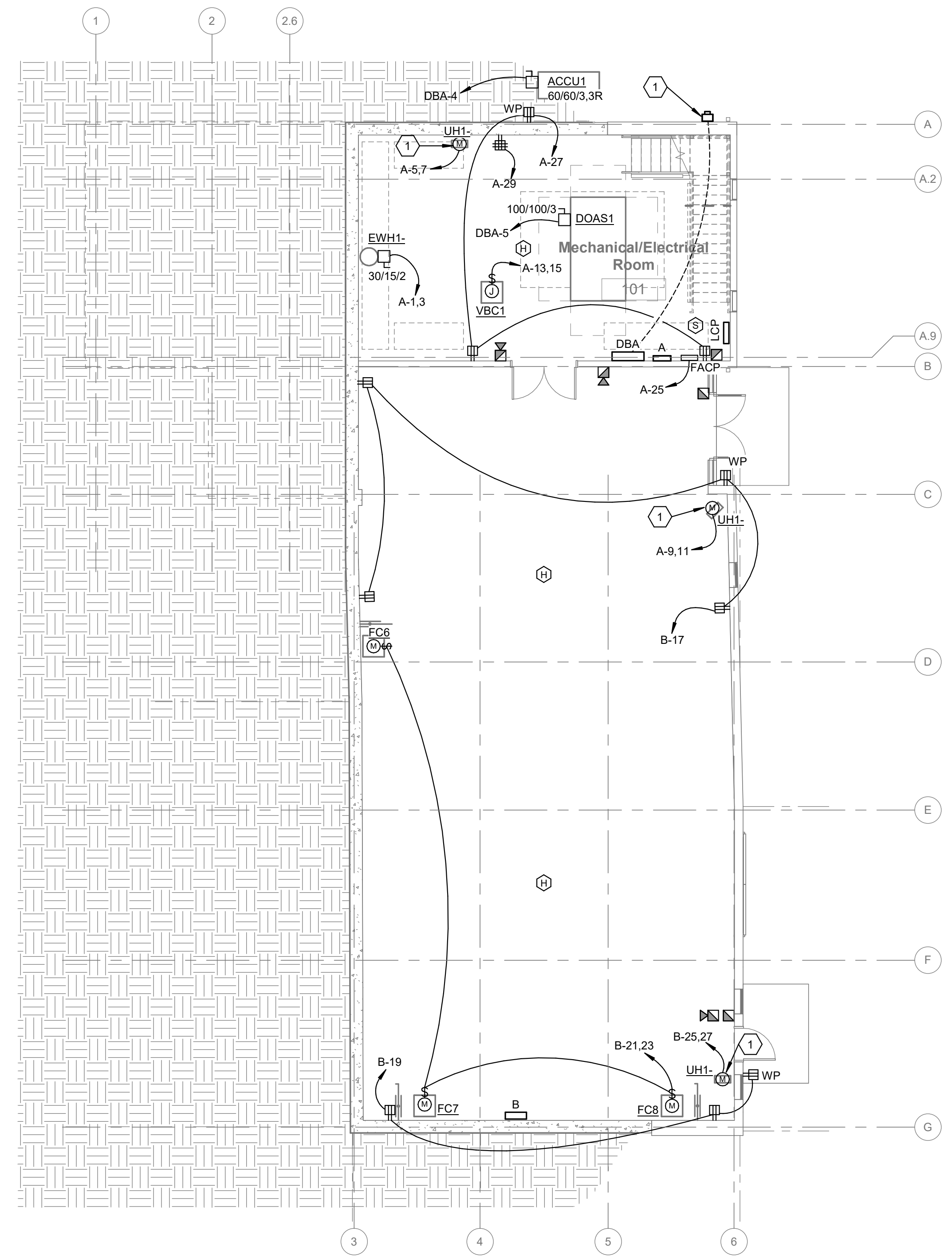
23070

GENERAL NOTES

- ALL CONDUITS IN AREAS WITHOUT SUSPENDED CEILINGS SHALL BE RUN AS INCONSPICUOUSLY AS POSSIBLE, HIDDEN BEHIND BEAMS, CLOSE TO DECK, ETC. OBTAIN APPROVAL OF CONDUIT RUNS BELOW BEAMS WITH OWNERS REPRESENTATIVE.

CODED NOTES

- POWER TO UH1. INTEGRAL DISCONNECT PROVIDED BY DIVISION 23.
- WALL MOUNTED UTILITY METER. COORDINATE WITH AEP.



1 FLOOR PLAN
GROUND FLOOR NEW WORK POWER PLAN
SCALE: 1/8" = 1'-0"
0' 1' 2' 4' 8'

KORDA
KORDA NEMETH ENGINEERING
1650 WATERMARK DRIVE
SUITE 200
COLUMBUS, OHIO 43215
DRAWN BY: Jack Messmore
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Drawing Issue Dates

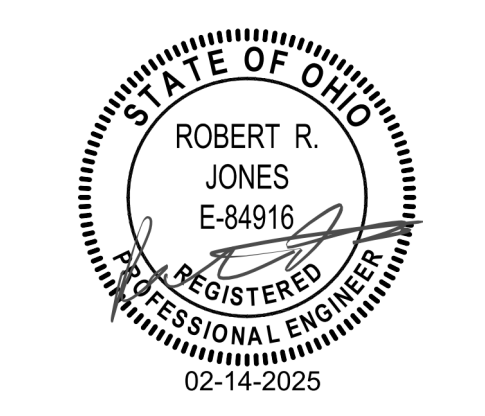
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Revision Schedule

#	Description	Date
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Bicentennial Barn -
McCammon Creek
Park

6844 Bale Kenyon Rd
Lewis Center, OH 43035



ELECTRICAL MAIN
FLOOR POWER
PLAN

E301

02/14/2025

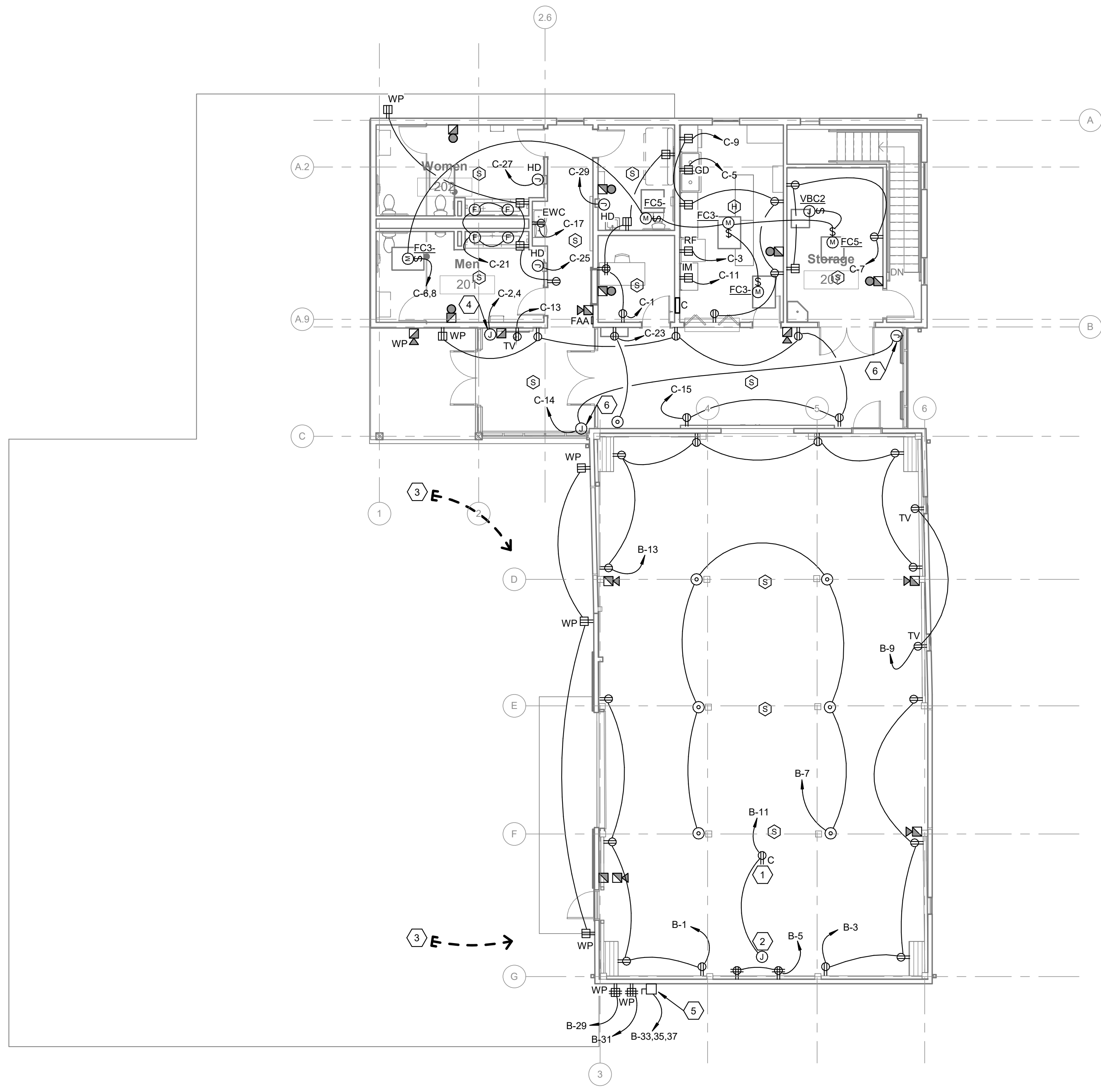
23070

GENERAL NOTES

- ALL CONDUITS IN AREAS WITHOUT SUSPENDED CEILINGS SHALL BE RUN AS INCONSPICUOUSLY AS POSSIBLE, HIDDEN BEHIND BEAMS, CLOSE TO DECK, ETC. OBTAIN APPROVAL OF CONDUIT RUNS BELOW BEAMS WITH OWNERS REPRESENTATIVE.

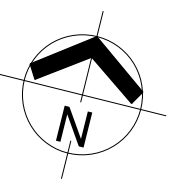
CODED NOTES

- RECEPTACLE MOUNTED ON BEAM FOR PROJECTOR.
- JUNCTION BOX MOUNTED AT XX'-XX" FOR PROJECTOR SCREEN.
- STUB & CAP (2) 3/4" CONDUITS TO GROUND FLOOR FOR FUTURE USE.
- JUNCTION BOX FOR POWER TO CUH1. INTEGRAL DISCONNECT PROVIDED BY DIVISION 23.
- 200A, 3 PHASE COMPANY SWITCH, NEMA 3R, W/ CAM LOCK AND BARE END CONNECTION CHAMBERS. (UNION CONNECTOR SERIES 16 SAFECAM OR EQUIVALENT)
- JUNCTION BOX FOR POWER TO EBH1. INTEGRAL DISCONNECT PROVIDED BY DIVISION 23.



1 FLOOR PLAN
MAIN FLOOR NEW WORK POWER PLAN

SCALE: 1/8" = 1'-0"
0" 1" 2" 4" 8"



KORDA
KORDA NEMETH ENGINEERING
1650 WATERMARK DRIVE
SUITE 200
COLUMBUS, OHIO 43215

DRAWN BY: Jack Messmore
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LUMINAIRE SCHEDULE

B: BOLLARD C: CEILING CV: COVE G: GROUND P: POLE R: RECESSED S: SUSPENDED T: TRACK UC: UNDERCABINET W: WALL X: UNIVERSAL

PARTIAL MODEL NUMBERS MAY BE SHOWN AND ARE INTENDED TO INDICATE ACCEPTABLE MANUFACTURER'S PRODUCT LINE. EXACT MODEL NUMBERS MEETING THE FIXTURE DESCRIPTION SHALL BE OBTAINED FROM THE MANUFACTURER'S AGENTS. ALL FIXTURES MAY NOT BE USED - REFER TO PLANS. DIMENSIONS MAY VARY. REFER TO THE SPECIFICATIONS SECTIONS 26 51 13 FOR ADDITIONAL REQUIREMENTS. REFER TO DRAWINGS FOR FIXTURES CIRCUITED AND CONTROL.

TAG	MANUFACTURER	SERIES	MODEL	DIMENSIONS (W x L x D)	DESCRIPTION	SOURCE	VOLTAGE	WATTAGE	COLOR TEMP	LUMENS	DIMMING	HOUSING	MOUNTING	LENS	FINISH/TRIM	REFLECTOR FINISH	OPTIONS	APPROVED MANUFACTURERS
R1	DAY-BRITE	DSRT	1DSRT3050LCS	47.7" x 11.9" x 3"	1 x 4 TROFFER	LED	UNV	31 W	3500K	4059	0-10V, 1%	STEEL	GRID RECESSED	FROSTED	WHITE			
R2	PRESCOLITE	LITEISTRY	LTR-SL10L-DM1	6" DIA	DOWNLIGHT	LED	UNV	12 W	2700K	1192	0-10V, 1%	DIE CAST ALUMINUM	RECESSED	MEDIUM DISTRIBUTION	SPECULAR	SPECULAR	MEDIUM DISTRIBUTION	
S1	COLUMBIA	MPS	MPS4-35MW-CW-E-U	48" x 3.11" x 3.06"	STRIP LINEAR	LED	UNV	26.7 W	3500K	3541	FIXED OUTPUT	CODE-GAUGE STEEL	SUSPENDED - CHAIN	FROSTED	WHITE	WHITE		
S1E	COLUMBIA	MPS	MPS4-35MW-CW-E-U-ELL14H2	48" x 3.11" x 3.06"	STRIP LINEAR W/ EMER BATTERY PACK	LED	UNV	26.7 W	3500K	3541	FIXED OUTPUT	CODE-GAUGE STEEL	SUSPENDED - CHAIN	FROSTED	WHITE	WHITE	EMERGENCY BATTERY PACK 2-HOUR RUN TIME	
S2	TETON	ST. JAMES SULLIVAN	2 TIER STEEL CHANDELIER	65" H x 60" DIA	CHANDELIER	SEE OPTIONS	UNV	57 W	2700K	5000	0-10V	COPPER	SUSPENDED - CHAIN	OPEN	BLACK		44 CANDELABRA LIGHTS	
S3	OLDE BRICK	WARNER	14" WHITE	14" DIA x 3.5" H	SUSPENDED SHADE	SEE OPTIONS	120V	75 W	3000K	3000	0-10V	PORCELAIN ENAMEL METAL	SUSPENDED - STEM	OPEN	BLACK	WHITE	E26 SOCKET FILAMENT STYLE LED BULB	
S4	BASELITE	FARM HOUSE	VT14	14" x 13.5"	DEEP BOWL	LED	UNV	45 W	3000K	5000	0-10V	OIL RUBBED BRONZE	SUSPENDED - CHAIN	OPEN	OIL RUBBED BRONZE	WHITE		
W1	COCOWEB	DAHLIA	RUSTIC	8" DIA	GOOSENECK SIGN LIGHT	LED	UNV	24 W	2700K	1600	0-10V	DIE CAST ALUMINUM	WALL	CLEAR	BLACK	MEDIUM	RUSTIC STEM	
W2	COCOWEB	DAHLIA	COSMOPOLITAN	8" DIA	GOOSENECK WALL SCNCE	LED	UNV	24 W	2700K	1600	0-10V	DIE CAST ALUMINUM	WALL	CLEAR	BLACK	MEDIUM	COSMOPOLITAN STEM	
W3	COLUMBIA	MPS	MPS4-35MW-CW-E-U	48" x 3.11" x 3.06"	STRIP LINEAR	LED	UNV	26.7 W	3500K	3541	FIXED OUTPUT	CODE-GAUGE STEEL	WALL	FROSTED	WHITE	WHITE		
W4	LUMARK	XTOR	XTOR2B-Y	6-5/8" x 3-5/8" x 6-3/4"	WALL PACK	LED	UNV	18	3000K	1997	0-10V, 1%	DIE CAST ALUMINUM	WALL	CLEAR	BLACK	WHITE	INTEGRAL PHOTOCELL	
C1	LUMINII	BARA SURFACE	SUP2-L	0.93" x 0.40" x 24"	MICRO LINEAR	LED	24VDC	9.2 W	3000K	492	0-10V	SILVER ANODIZED	SURFACE	FROSTED	SILVER ANODIZED		0-10V WARM DIMMING 0% POWER SUPPLY 120VAC-277VAC	
X1	EXITRONIX	900EX	902EX-U-LB-RM-BA	4.3: x 18" x 7.2"	EXIT/EMERGENCY	LED	UNV	3.9 W	RED	-	-	ALUMINUM	UNIVERSAL	CLEAR	BLACK	MIRROR		
X2	COMPASS	CC	CCRGB	4.3: x 18" x 7.2"	EXIT/EMERGENCY	LED	UNV	3.9 W	RED	-	-	THERMOPLASTIC	UNIVERSAL	CLEAR	BLACK	WHITE		
G1	STONCO	SLIMFLOOD	SLIMFOOD	7.2" x 6.3" x 2.2"	FAÇADE FLOODLIGHT	LED	UNV	35 W	3500K	5320	FIXED OUTPUT	35 W YOKE	GROUND MOUNT	GLASS	BRONZE	WHITE		
P1	LITHONIA	RADEAN	RAD1 LED	28" D x 21" H	SINGLE HEAD AREA LIGHT - TYPE 3	LED	120V	79 W	3000K	11,000	FIXED OUTPUT	ALUMINUM	POLE MOUNTED	CLEAR	BLACK	TYPE 3	INTEGRAL PHOTOCELL	
P1-2	LITHONIA	RADEAN	RAD1 LED	28" D x 21" H	2-180 HEAD AREA LIGHT - TYPE 3	LED	120V	158 W	3000K	11,000	FIXED OUTPUT	ALUMINUM	POLE MOUNTED	CLEAR	BLACK	TYPE 3	DOUBLE HEAD MOUNTED 180 DEGREES. INTEGRAL PHOTOCELL	
P2	COCOWEB	DAHLIA	DAHLIA POST LIGHT	12" DIA x 11" H	PEDESTRIAN POLE LIGHT	LED	120V	24 W	2700K	1,600	FIXED OUTPUT	ALUMINUM	POLE MOUNTED	CLEAR	BLACK	WHITE	LIGHT PACKAGE WITH 11" POLE	
P1 POLE	STRUCTURA	BOL	BOL-S-20-55-55-S6-C5	(20' X 5.5')	AREA LIGHT POLE							WOOD	GROUND MOUNT		MAHOGANY BODY W/ SLATE ACCENT		ROUND WOOD POLE	

INVERTER SCHEDULE

TAG	WATTAGE	VOLTAGE	NO. OF CIRCUIT BREAKERS	BATTERY CAPACITY	NOTES
I1	600 W	120 V	1	90 MIN.	-
I2	1200 W	277 V	2	90 MIN.	-
I3	1800 W	277 V	3	90 MIN.	-
-	-	-	-	-	-
-	-	-	-	-	-

KORDA
KORDA NEMETH ENGINEERING
1650 WATERMARK DRIVE
SUITE 200
COLUMBUS, OHIO 43215
DRAWN BY: Jack Messmore
DESIGNED BY: Jack Messmore
CHECKED BY: Rob Jones
PROJECT NUMBER: 2023-0006



ARCHITECTURE. INSPIRED.

300 Marconi Boulevard
Columbus OH 43215
schooleycaldwell.com

Consultants:
Civil, Structural & MEP
Korda/Nemeth Engineering
1650 Watermark Drive, Columbus, OH 43215
614.487.1650

Barn Consultant
Mt. Vernon Barn Co.
7076 Corrie Rd, Fredericktown, OH 43019
614.634.2949

Drawing Issue Dates

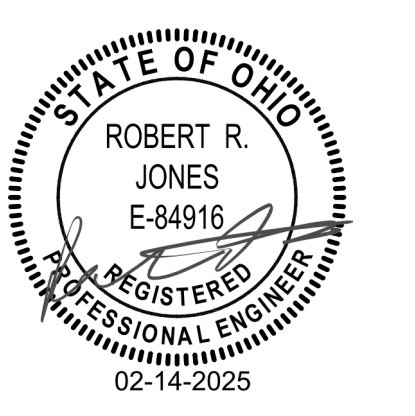
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Bicentennial Barn -
McCammon Creek
Park

6844 Bale Kenyon Rd
Lewis Center, OH 43035



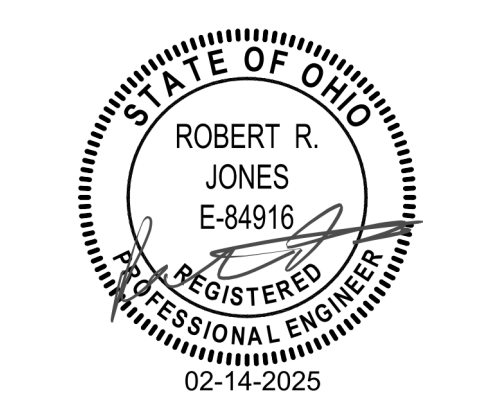
ELECTRICAL
LIGHTING FIXTURE
SCHEDULE

E501

02/14/2025

23070

Revision Schedule		
#	Description	Date



KORDA
KORDA NEMETH ENGINEERING
1650 WATERMARK DRIVE
SUITE 200
COLUMBUS, OHIO 43215
DRAWN BY: Jack Messmore
DESIGNED BY: Jack Messmore
CHECKED BY: Rob Jones
PROJECT NUMBER: 2023-0006

○ COPPER ONE LINE DIAGRAM-FEEDER SCHEDULE

INSULATION TYPE: THWN with COPPER CONDUCTORS

OVERCURRENT PROTECTION AMPACITY	NOTE NUMBER	NUMBER OF SETS	PHASE WIRES QUANTITY - SIZE	NEUTRAL WIRE QUANTITY - SIZE	GROUND SIZE COPPER ONLY	CONDUIT SIZE PER SET	COMMENTS
20	1	1	3 - #12 AWG	-	1 - #12 AWG	3/4"	
30	2	1	3 - #10 AWG	-	1 - #10 AWG	3/4"	
40	3	1	3 - #8 AWG	-	1 - #10 AWG	3/4"	
50	4	1	3 - #6 AWG	-	1 - #10 AWG	3/4"	
70	5	1	3 - #4 AWG	-	1 - #8 AWG	1"	
90	6	1	3 - #2 AWG	-	1 - #8 AWG	1-1/4"	
110	7	1	3 - #1 AWG	-	1 - #6 AWG	1-1/4"	
150	8	1	3 - #1/0 AWG	-	1 - #6 AWG	1-1/2"	
175	9	1	3 - #2/0 AWG	-	1 - #6 AWG	1-1/2"	
200	10	1	3 - #3/0 AWG	-	1 - #6 AWG	2"	
225	11	1	3 - #4/0 AWG	-	1 - #4 AWG	2"	
250	12	1	3 - 250 KCMIL	-	1 - #4 AWG	2"	
300	13	1	3 - 350 KCMIL	-	1 - #4 AWG	2-1/2"	
350	14	1	3 - 500 KCMIL	-	1 - #3 AWG	3"	
400	15	1	3 - 600 KCMIL	-	1 - #3 AWG	3"	
500	16	2	3 - 250 KCMIL	-	1 - #2 AWG	2"	
600	17	2	3 - 350 KCMIL	-	1 - #1 AWG	2-1/2"	
700	18	2	3 - 500 KCMIL	-	1 - #1/0 AWG	3"	
800	19	2	3 - 600 KCMIL	-	1 - #1/0 AWG	3"	
OPEN	23	-	-	-	-	-	
100	24	1	3 - #1 AWG	1 - #1 AWG	1 - #8 AWG	1-1/2"	
150	25	1	3 - #1/0 AWG	1 - #1/0 AWG	1 - #6 AWG	2"	
200	26	1	3 - #3/0 AWG	1 - #3/0 AWG	1 - #6 AWG	2"	
225	27	1	3 - #4/0 AWG	1 - #4/0 AWG	1 - #4 AWG	2-1/2"	
250	28	1	3 - 250 KCMIL	1 - 250 KCMIL	1 - #4 AWG	2-1/2"	
300	29	1	3 - 350 KCMIL	1 - 350 KCMIL	1 - #4 AWG	3"	
350	30	1	3 - 500 KCMIL	1 - 500 KCMIL	1 - #3 AWG	3-1/2"	
400	31	1	3 - 600 KCMIL	1 - 600 KCMIL	1 - #3 AWG	3-1/2"	
500	32	2	3 - 250 KCMIL	1 - 250 KCMIL	1 - #2 AWG	2-1/2"	
600	33	2	3 - 350 KCMIL	1 - 350 KCMIL	1 - #1 AWG	3"	
800	34	2	3 - 600 KCMIL	1 - 600 KCMIL	1 - #1/0 AWG	4"	
TVSS	50	1	3 - #2 AWG	1 - #2 AWG	1 - #2 AWG	1-1/2"	MINIMIZE LENGTH

○ ALUMINUM ONE LINE DIAGRAM-FEEDER SCHEDULE

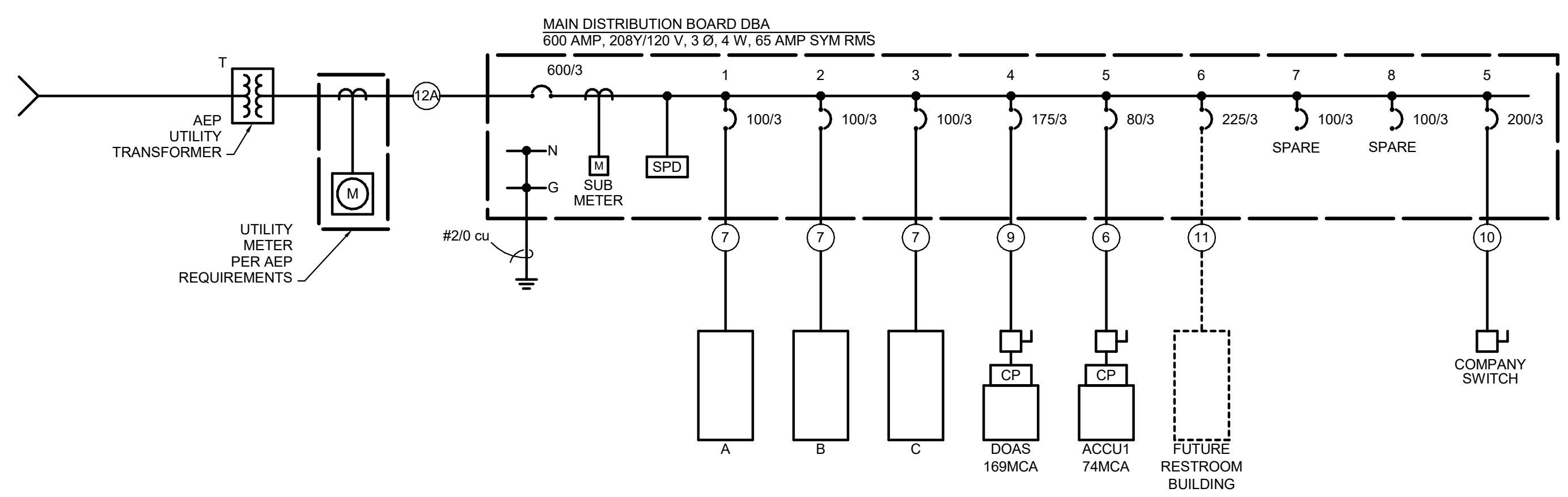
INSULATION TYPE: COMPACT XHHW-2, ALUMINUM CONDUCTORS

OVERCURRENT PROTECTION AMPACITY	NOTE NUMBER	NUMBER OF SETS	PHASE WIRES QUANTITY - SIZE	NEUTRAL WIRE QUANTITY - SIZE	GROUND SIZE COPPER ONLY	CONDUIT SIZE PER SET	COMMENTS
100	1A	1	3 - #1 AWG	-	1 - #8 AWG	1-1/4"	
125	2A	1	3 - #2/0 AWG	-	1 - #6 AWG	1-1/2"	
150	3A	1	3 - #3/0 AWG	-	1 - #6 AWG	2"	
175	4A	1	3 - #4/0 AWG	-	1 - #6 AWG	2"	
200	5A	1	3 - 250 KCMIL	-	1 - #6 AWG	2"	
225	6A	1	3 - 300 KCMIL	-	1 - #4 AWG	2-1/2"	
250	7A	1	3 - 350 KCMIL	-	1 - #4 AWG	2-1/2"	
300	8A	1	3 - 500 KCMIL	-	1 - #4 AWG	3"	
350	9A	2	3 - #4/0 AWG	-	1 - #3 AWG	2"	
400	10A	2	3 - 250 KCMIL	-	1 - #3 AWG	2"	
500	11A	2	3 - 350 KCMIL	-	1 - #2 AWG	2-1/2"	
600	12A	2	3 - 500 KCMIL	-	1 - #1 AWG	3"	
700	13A	3	3 - 350 KCMIL	-	1 - #1/0 AWG	2-1/2"	
800	14A	3	3 - 400 KCMIL	-	1 - #1/0 AWG	3"	
100	19A	1	3 - #1 AWG	1 - #1 AWG	1 - #8 AWG	1-1/2"	
125	20A	1	3 - #2/0 AWG	1 - #2/0 AWG	1 - #6 AWG	1-1/2"	
150	21A	1	3 - #3/0 AWG	1 - #3/0 AWG	1 - #6 AWG	2"	
200	22A	1	3 - 250 KCMIL	1 - 250 KCMIL	1 - #6 AWG	2-1/2"	
225	23A	1	3 - 300 KCMIL	1 - 300 KCMIL	1 - #4 AWG	3"	
250	24A	1	3 - 350 KCMIL	1 - 350 KCMIL	1 - #4 AWG	3"	
300	25A	1	3 - 500 KCMIL	1 - 500 KCMIL	1 - #4 AWG	3-1/2"	
350	26A	2	3 - #4/0 AWG	1 - #4/0 AWG	1 - #3 AWG	2"	
400	27A	2	3 - 250 KCMIL	1 - 250 KCMIL	1 - #3 AWG	2-1/2"	
500	28A	2	3 - 350 KCMIL	1 - 350 KCMIL	1 - #2 AWG	3"	
600	29A	2	3 - 500 KCMIL	1 - 500 KCMIL	1 - #1 AWG	3-1/2"	
700	30A	3	3 - 350 KCMIL	1 - 350 KCMIL	1 - #1/0 AWG	3"	
800	31A	3	3 - 400 KCMIL	1 - 400 KCMIL	1 - #1/0 AWG	3"	

SYMBOLS LIST FOR WIRING DIAGRAMS AND DETAILS

1. SOME SYMBOLS MAY NOT BE USED.

SYMBOL	DESCRIPTION
	FUSIBLE SWITCH WITH FUSES (SIZE AS NOTED)
	CIRCUIT BREAKER (SIZE AS NOTED)
	SPACE FOR DEVICE (SIZE AS NOTED)
	SPARE FUSIBLE SWITCH (WITHOUT FUSES)
	KIRK KEY INTERLOCK
	SHUNT TRIP
	AMMETER, VOLTMETER SWITCH
	ANALOG AMMETER
	ANALOG VOLTMETER
	GROUND FAULT SENSOR/OPERATOR
	CURRENT TRANSFORMER
	POTENTIAL TRANSFORMER
	ANALOG WATTHOUR METER
	UTILITY METER
	ELECTRONIC METERING UNIT
	PANELBOARD
	POWER TRANSFORMER. "TX" DENOTES NAME "T1" NOTES TYPE (SEE TRANSFORMER SCHEDULE)
	GROUNDING ELECTRODE AND CONDUCTOR (CONDUCTOR SIZE AS NOTED)
	COMBINATION MOTOR STARTER (STARTER SIZE, FUSE SIZE, NO. OF POLES -AS NOTED) "3R" DENOTES NEMA "3R" ENCLOSURE, "NF"=NONFUSED
	MAGNETIC MOTOR STARTER (STARTER SIZE, FUSE SIZE, NO. OF POLES -AS NOTED) "3R" DENOTES NEMA "3R" ENCLOSURE, "NF"=NONFUSED
	SAFETY SWITCH (SWITCH SIZE, FUSE SIZE, NO. OF POLES AS NOTED) NF=NONFUSED
	WEATHERPROOF
	CONTROL PANEL (BY OTHERS)
	VARIABLE FREQUENCY DRIVE
	SURGE PROTECTION DEVICE
	MOTOR
	EQUIPMENT (AS NOTED)

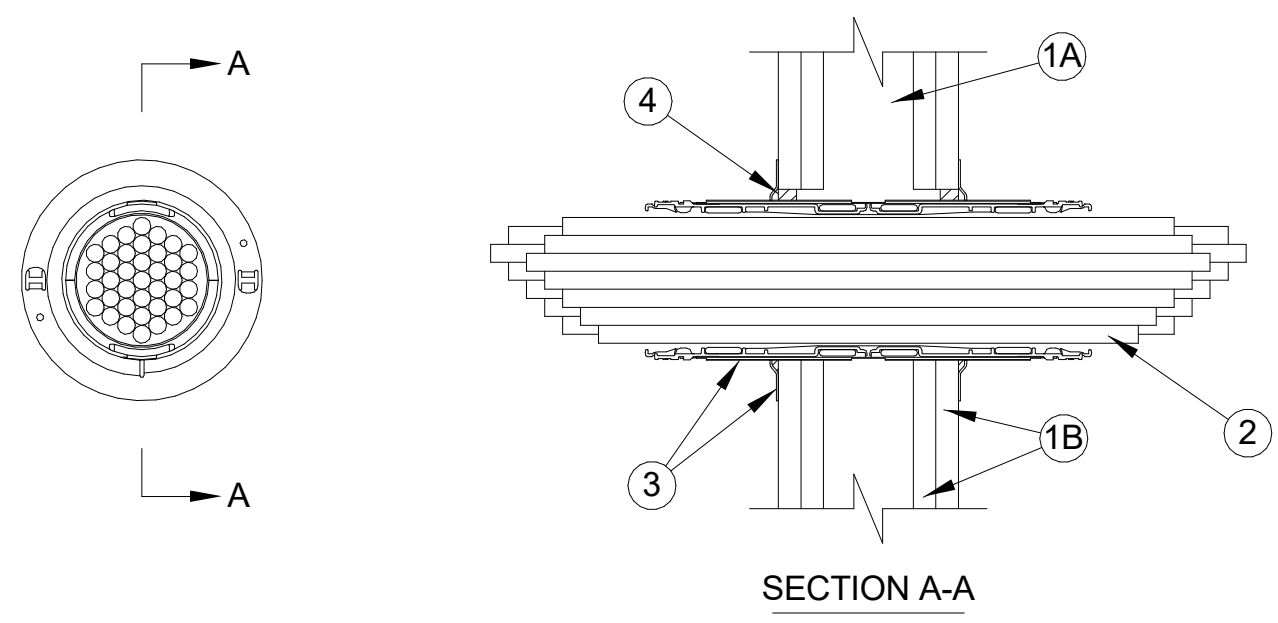


A WIRING DIAGRAM
ONE LINE N.T.S.



System No. W-L-3334

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Ratings - 1, 2, 3 and 4 Hr (See Item 1)	F Ratings - 1, 2, 3 and 4 Hr (See Item 1)
T Ratings - 0, 1, 1-3/4, 2, 3 and 4 Hr (See Items 2 and 3)	FT Ratings - 0, 1, 1-3/4, 2, 3 and 4 Hr (See Items 2 and 3)
L Rating At Ambient - Less Than 1 CFM (See Item 2)	FH Ratings - 1, 2, 3 and 4 Hr (See Item 1)
L Ratings At 400 F - 1 and Less Than 1 CFM (See Item 2)	FTH Ratings - 0, 1, 1-3/4, 2, 3 and 4 Hr (See Items 2 and 3)
	L Rating At Ambient - Less Than 1 CFM (See Item 2)
	L Ratings At 400 F - 1 and Less Than 1 CFM (See Item 2)



- Wall Assembly — The 1, 2, 3 or 4 hr fire rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner described within the individual U300, U400, V400 or W400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall incorporate the following construction features:
 - Studs — Wall framing shall consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced max 16 in. (406 mm) OC. Steel studs to be min 2-1/2 in. (64 mm) wide and spaced max 24 in. (610 mm) OC for 1 and 2 hr wall assemblies. Steel Studs to be 3-5/8 in. (92 mm) for 3 and 4 hr wall assemblies.
 - Gypsum Board* — Nom 5/8 in. (16 mm) thick gypsum board as specified in the individual Wall and Partition Design. Opening in gypsum board to be max 2-1/2 in. (64 mm) diam for 2" device and max 4-1/2 in. (114 mm) diam for 4" device. The hourly F and FH Ratings of the firestop system are dependent upon the hourly rating of the wall in which it is installed.
- Cables — Within the loading area for each firestop device, the cables may represent a 0 to 100 percent visual fill. Cables to be tightly bundled within the device and rigidly supported on both sides of wall assembly. Any combination of the following types of cables may be used:
 - Max 100 pair No. 24 AWG (or smaller) copper conductor telecommunication cable with polyvinyl chloride (PVC) jacketing and insulation.
 - Max 7/C No. 12 AWG copper conductor control cable with PVC or XLPE jacket and insulation.
 - Max 4/0 AWG Type RHH ground cable.
 - Max 4 pr No. 22 AWG Cat 5 or Cat 6 computer cables.
 - Max RG 6/U coaxial cable with fluorinated ethylene insulation and jacketing.
 - Fiber optic cable with polyvinyl chloride (PVC) or polyethylene (PE) jacket and insulation having a max diam of 1/2 in. (13 mm).
 - Max 20/C No. 22 AWG shielded printer cable with PVC jacket.
 - Through-Penetrating Product* - Two copper conductors No. 18 AWG (or smaller) Power or Non Power Limited Fire Alarm Cable with or without a jacket under a metal armor.
 - AFC CABLE SYSTEMS INC
 - Max 1/4 in. (6 mm) diameter S-Video Cable consisting of 2 max 24 AWG 75 ohm coax or twisted pair cable with PE insulation and PVC jacket.
 - Max 3/C No 12 AWG MC Cable.
 - Through Penetrating Product* — Any cables, Armored Cable+ or Metal Clad Cable+ currently Classified under the Through Penetrating Product category. See Through Penetrating Product (XHLY) category in the Fire Resistance Directory for names of manufacturers.

For opening with cables, when the hourly rating of the wall assembly is 1 hr, the T, FT and FTH Ratings are 0 hr. For opening with cables, when the hourly rating of the wall assembly is 2 hr, the T, FT and FTH Ratings are 1-3/4 hr except that, when Item 2C, 2G, 2I, 2J or 2K is used, the T, FT and FTH Ratings are 1 hr for 2C, 2 OR 2I and the T, FT and FTH Ratings are 1/2 hr for 2J or 2 K (see Item 3 also). When the hourly rating of the wall assembly is 3 or 4 hr, the T, FT and FTH Ratings are 2 hr. For wall assemblies with a 3 or 4 hr rating, Items 2G and 2I are not to be used.

L Ratings apply only when device flanges and CP 606 or FS-One Sealant are used. See Table below for L Ratings.

Max Cable Fill	Cable Type	L Rating, CFM/Sq Ft		L Rating, CFM	
		Ambient	400°F	Ambient	400°F
0%	-	Less Than 1	Less Than 1	Less Than 1	Less Than 1
100%	Item 2D only	5	1	Less Than 1	Less Than 1
100%	Any cables (Item 2) in any combination	9	10	Less Than 1	1

- Firestop Device* — Firestop device consists of a corrugated steel tube with an inner plastic housing, intumescent material rings and twisted inner fabric smoke seal. Firestop device to be installed in accordance with the accompanying installation instructions. As an option, the inner fabric seal may remain open except that, to attain the L Rating, the inner fabric seal shall be twisted to completely close off the opening within device. Device slid into wall such that ends project an equal distance from the approximate centerline of the wall assembly. The annular space between the device and the periphery of the opening shall be min 0 in. (point contact). Device provided with flanges that are spun clockwise onto device threads, butting tightly to both sides of wall. Device flanges are optional. When the device flanges are not used, the T, FT and FTH Ratings for the firestop system are 0 hr. For blank opening (no cables), the T, FT and FTH Ratings for the firestop system equal the F and FH Ratings only when the device flanges are used.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP 653 2" Speed Sleeve and CP 653 4" Speed Sleeve
- Fill, Void or Cavity Material* - Sealant — Min 1/2 in. (13 mm) thickness of fill material applied within the annulus between firestop device and wall, flush with both surfaces of wall, and an additional 1/4 in. (6 mm) bead applied around periphery of device. When device flanges are used, gypsum drywall compound may be used in place of the fill material.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-ONE or CP 606 Sealant



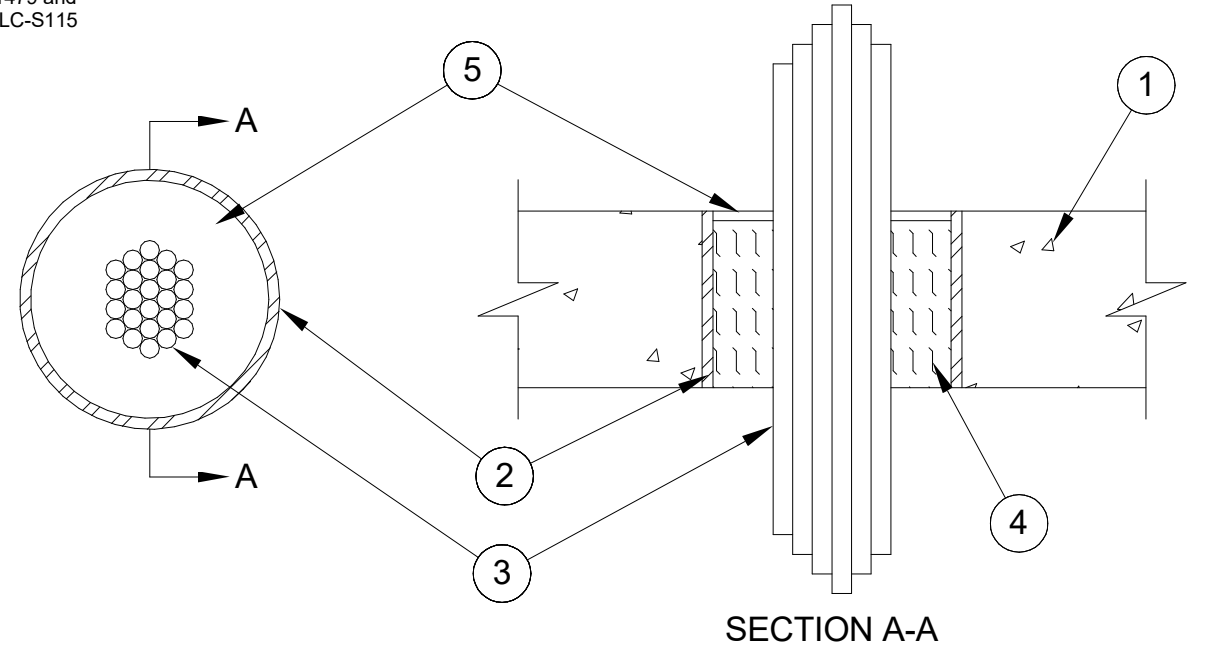
4 DETAIL N.T.S.

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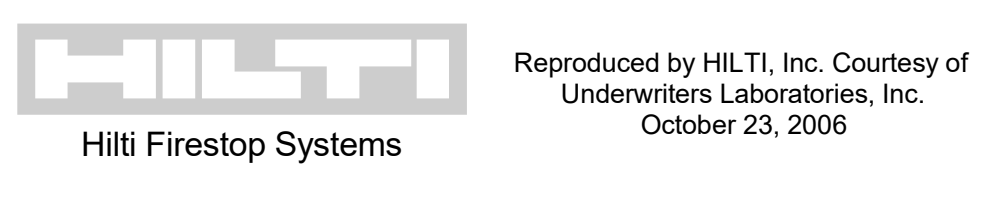
System No. C-AJ-3180

F Rating - 3 Hr
T Rating = 0 Hr



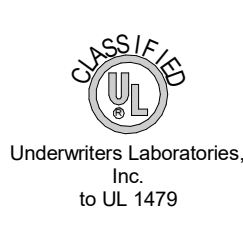
- Floor or Wall Assembly — Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600 2400 kg/m³) concrete floor or min 4-3/4 in. (121 mm) thick reinforced lightweight or normal weight concrete wall. Wall may also be constructed of any UL Classified Concrete Blocks*. Max diam of opening is 6 in. (152 mm). See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.
- Steel Sleeve — (Optional) — Nom 6 in. (152 mm) diam (or smaller) Schedule 40 (or heavier) steel pipe cast or grouted into floor or wall assembly, flush with floor or wall surfaces.
- Cables — Aggregate cross-sectional area of cables in opening to be max 45 percent of the aggregate cross-sectional area of the opening. Cables to be rigidly supported on both sides of floor or wall assembly. Any combination of the following types and sizes of metallic conductor or fiber optic cable may be used:
 - Max 500 kcmil single copper conductor power cable with thermoplastic insulation and polyvinyl chloride (PVC) Jacket.
 - Max 300 pair No. 24 AWG copper conductor telecommunication cables with polyvinyl chloride (PVC) insulation and jacket material.
 - Max 7/C copper conductor No. 12 AWG multiconductor power and control cables with polyvinyl chloride (PVC) or cross-linked polyethylene (XLPE) insulation and PVC jacket.
 - Multiple fiber optical communication cables jacketed with PVC and having a max outside diam of 1/2 in. (13 mm).
 - Max 3/C copper conductor No. 12 AWG with bare aluminum ground, polyvinyl chloride (PVC) insulated steel, Metal-clad cable.
 - Max 3/C with ground 2/0 AWG copper conductor SER cable with cross-linked polyethylene (XLPE) insulation and polyvinyl chloride (PVC) jacket.
 - RG/U coaxial cable with polyethylene (PE) insulation and polyvinyl chloride (PVC) jacket having a max outside diameter of 1/2 in. (13 mm).
 - Fire Resistive Cables* - Max 1-1/4 in. (32 mm) diam single conductor or multi conductor Type MI cable. A min 1/8 in. (3 mm) separation shall be maintained between MI cables and any other types of cable.
- Packing Material — Min 4-1/4 in. (108 mm) thickness of min 4 pcf (64 kg/m³) mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to be recessed from top surface of floor to accommodate the required thickness of fill material.
- Fill, Void or Cavity Material* — Sealant — Min 1/4 in. (6.4 mm) thickness of fill material applied within the annulus, flush with top surface of floor or with both surfaces of wall.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-One Sealant.



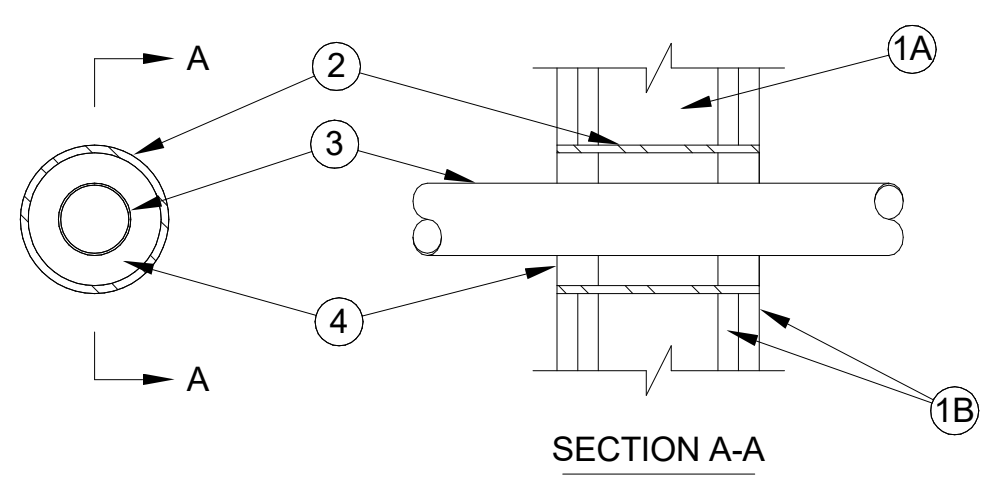
2 DETAIL N.T.S.

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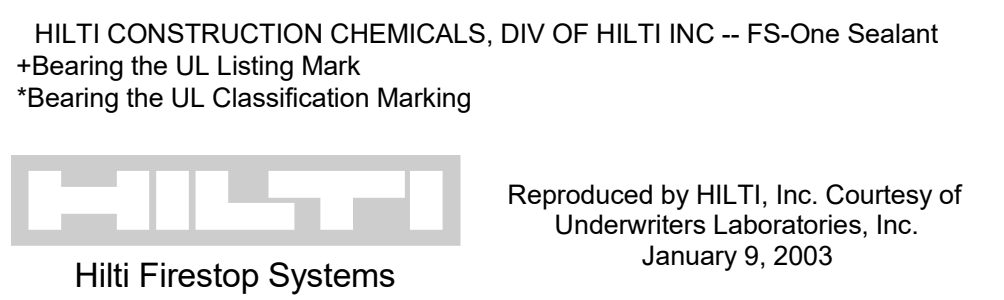
System No. W-L-2075

F Ratings - 1 & 2 Hr (See Item 4)
T Ratings - 0 and 2 Hr (see Item 4)
L Rating At Ambient - Less Than 1 CFM/Sq Ft
L Rating At 400 F - 4 CFM/Sq Ft



- Floor or Wall Assembly — The fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
 - Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC. Steel studs to be min 2-1/2 in. wide and spaced max 24 in. OC.
 - Gypsum Board* — Nom 5/8 in. thick gypsum wallboard, as specified in the individual Wall and Partition Design. Max diam of opening is 4 in.
- Metallic Sleeve — (Optional) — Nom 4 in. diam (or smaller) Schedule 40 (or thinner) steel pipe cast into wall assembly with joint compound and installed flush with wall surfaces.
- Electrical Nonmetallic Tubing* — Nom 2 in. diam (or smaller) corrugated wall electrical nonmetallic tubing (ENT) constructed of polyvinyl chloride (PVC). Tubing to be rigidly supported on both sides of wall assembly. A nom annular space of 3/4 in. is required within the firestop system. See Electrical Nonmetallic Tubing (FKHU) category in the Electrical Construction Materials Directory for names of manufacturers.
- Fill, Void or Cavity Material* — Sealant — Installed symmetrically on both sides of the wall. The hourly F Rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed. Fill material applied within the annulus, flush with each end of the steel sleeve at the thickness shown in the table below:

F Rating Hr	T Rating Hr	Fill Mtl Depth In.
1	0	5/8
2	2	1-1/4



3 DETAIL N.T.S.

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 Columbus OH 43215 | F 614-628-0311
 schooleycaldwell.com

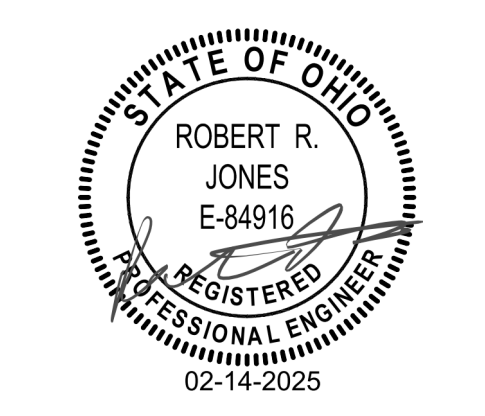
Consultants:
 Civil, Structural & MEP
 Korda/Nemeth Engineering
 1650 Watermark Drive, Columbus, OH 43215
 614-487-1650
 Barn Consultant
 Mt. Vernon Barn Co.
 7075 Corrie 19, Fredericktown, OH 43019
 614-634-2949

Drawing Issue Dates
 Design Development Submittal 11/17/2023
 50% Construction Documents 08/15/2024
 90% Construction Documents 01/15/2025
 Bid Set / Permit Set 02/14/2025

Revision Schedule		
#	Description	Date

Bicentennial Barn - McCammon Creek Park

6844 Bale Kenyon Rd
 Lewis Center, OH 43035



ELECTRICAL DETAILS

E701

02/14/2025
 23070

KORDA
 KORDA NEMETH ENGINEERING
 1650 WATERMARK DRIVE
 SUITE 200
 COLUMBUS, OHIO 43215
 DRAWN BY: Jack Messmore
 DESIGNED BY: Jack Messmore
 CHECKED BY: Rob Jones
 PROJECT NUMBER: 2023-0006

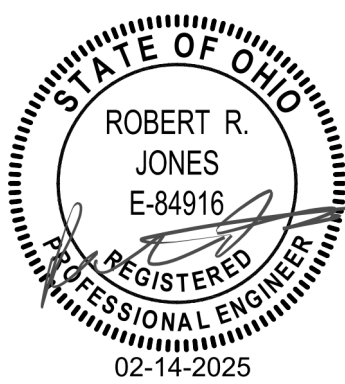
Drawing Issue Dates

Design Development Submittal	11/17/2023
50% Construction Documents	08/15/2024
90% Construction Documents	01/15/2025
Bid Set / Permit Set	02/14/2025

Revision Schedule		
#	Description	Date

**Bicentennial Barn -
McCammon Creek
Park**

6844 Bale Kenyon Rd
Lewis Center, OH 43035



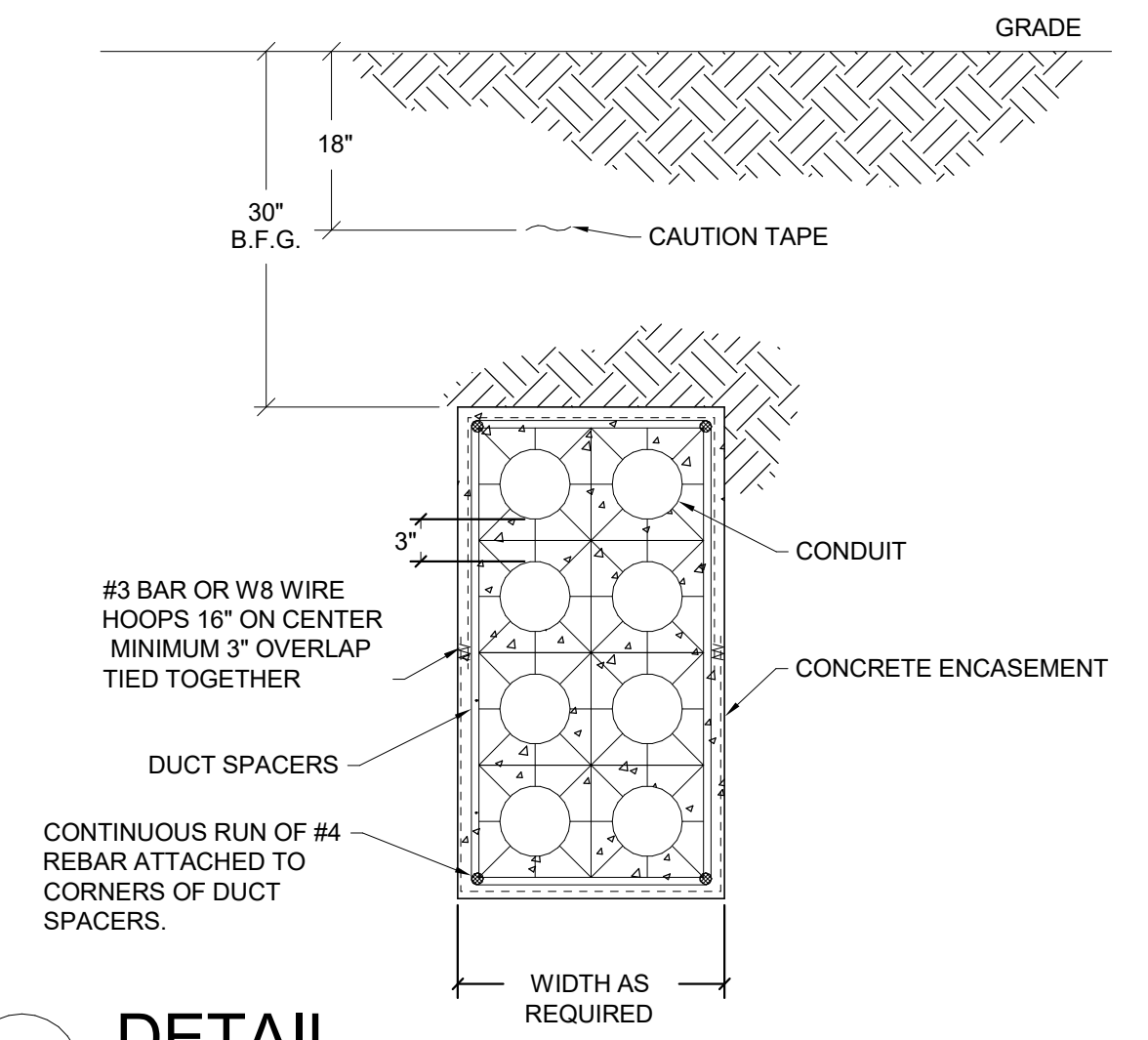
**ELECTRICAL
DETAILS**

E702

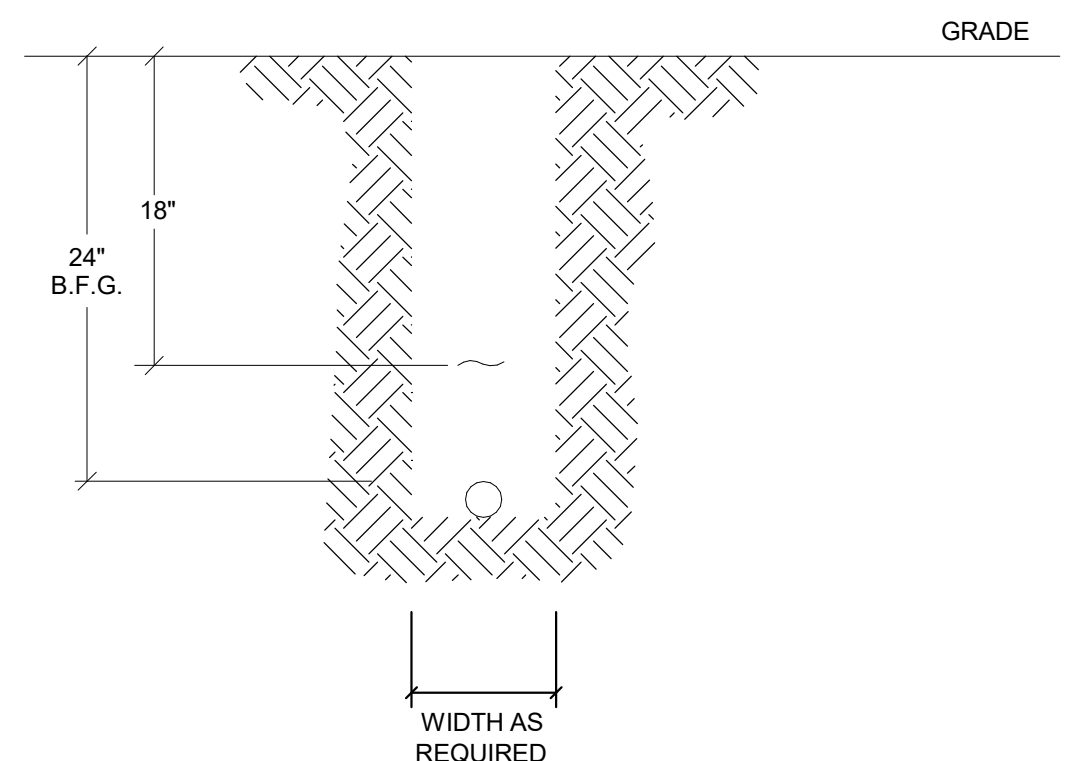
02/14/2025

23070

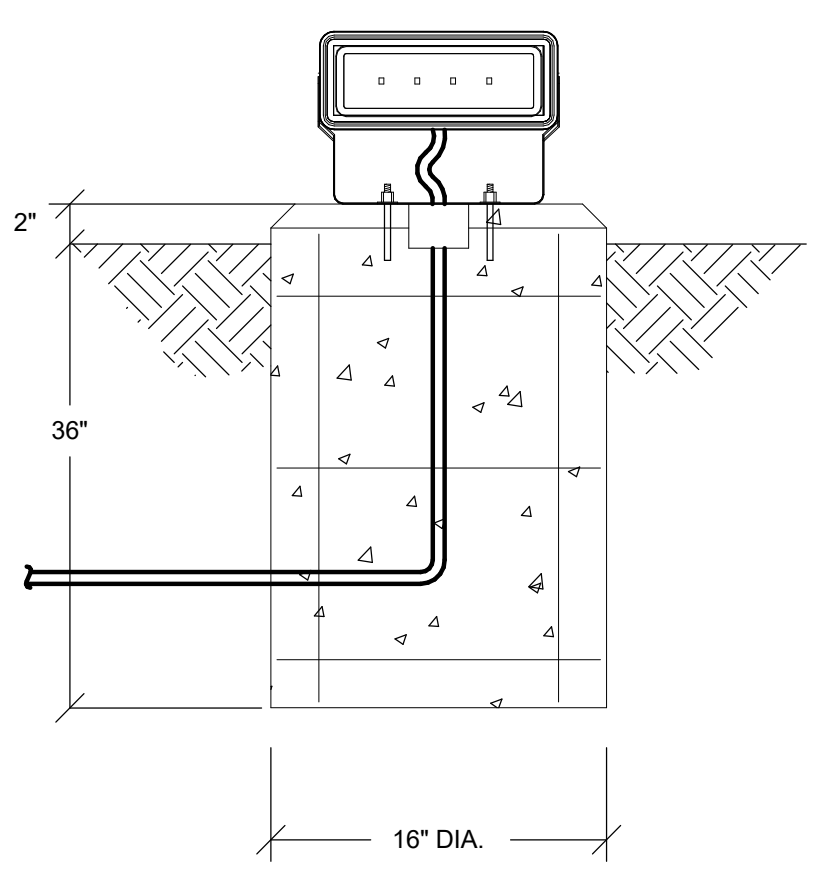
KORDA
KORDA NEMETH ENGINEERING
1650 WATERMARK DRIVE
SUITE 200
COLUMBUS, OHIO 43215
DRAWN BY: Jack Messmore
DESIGNED BY: Jack Messmore
CHECKED BY: Rob Jones
PROJECT NUMBER: 2023-0006



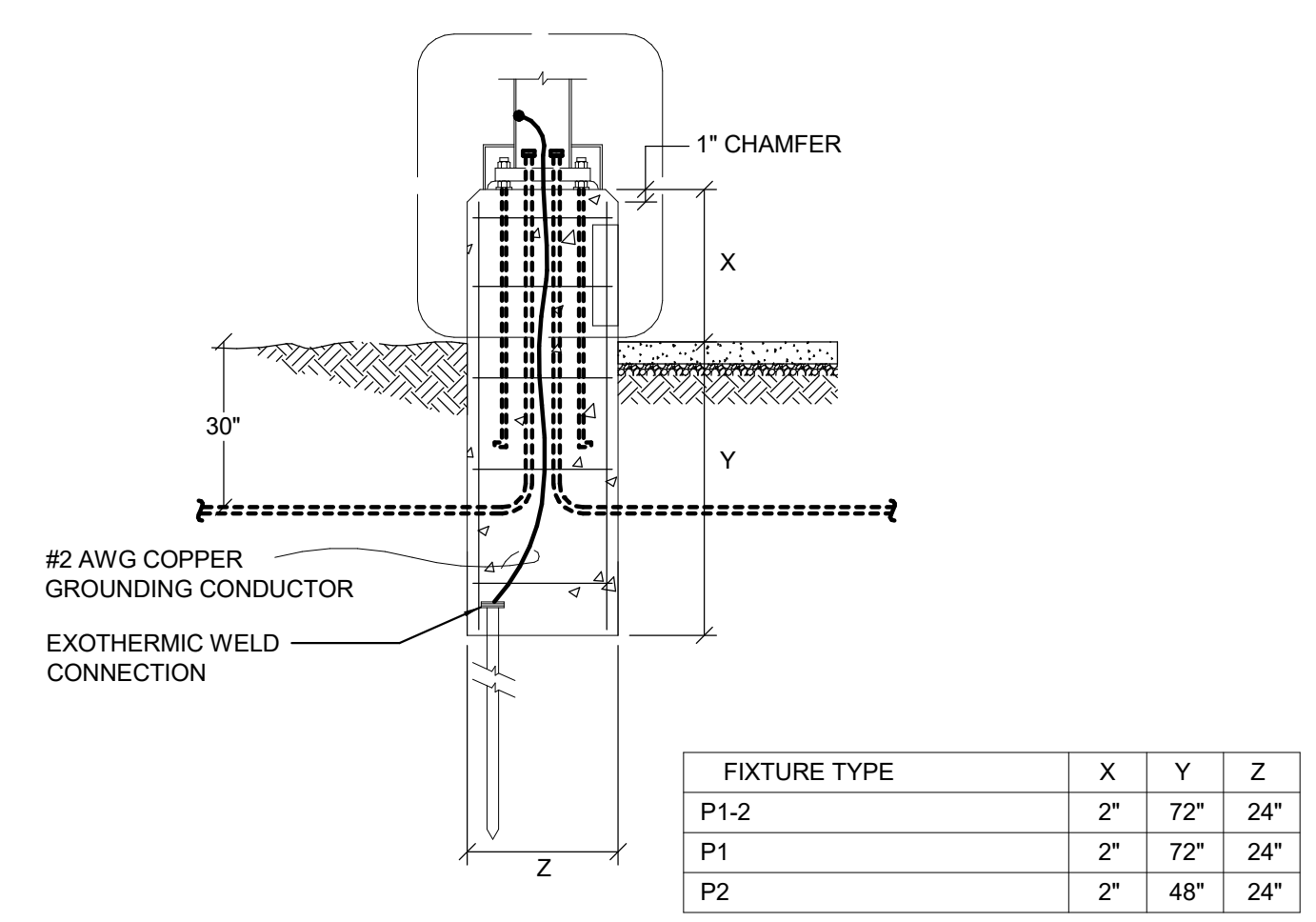
4 DETAIL
DUCTBANK SECTION - TYPICAL
SIZE AND QUANTITY MAY VARY REFER TO SITE PLAN N.T.S.



3 DETAIL
SITE LIGHTING UNDERGROUND CONDUIT
SIZE AND QUANTITY MAY VARY REFER TO SITE PLAN N.T.S.



2 DETAIL
GROUND MOUNTED LUMINAIRE BASE N.T.S.



1 DETAIL
POLE MOUNTED LUMINAIRE BASE N.T.S.

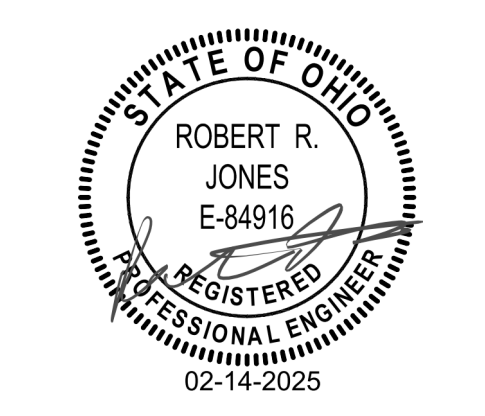
Drawing Issue Dates

Design Development Submittal	11/17/2023
50% Construction Documents	08/15/2024
90% Construction Documents	01/15/2025
Bid Set / Permit Set	02/14/2025

Revision Schedule		
#	Description	Date

Bicentennial Barn - McCammon Creek Park

6844 Bale Kenyon Rd
Lewis Center, OH 43035



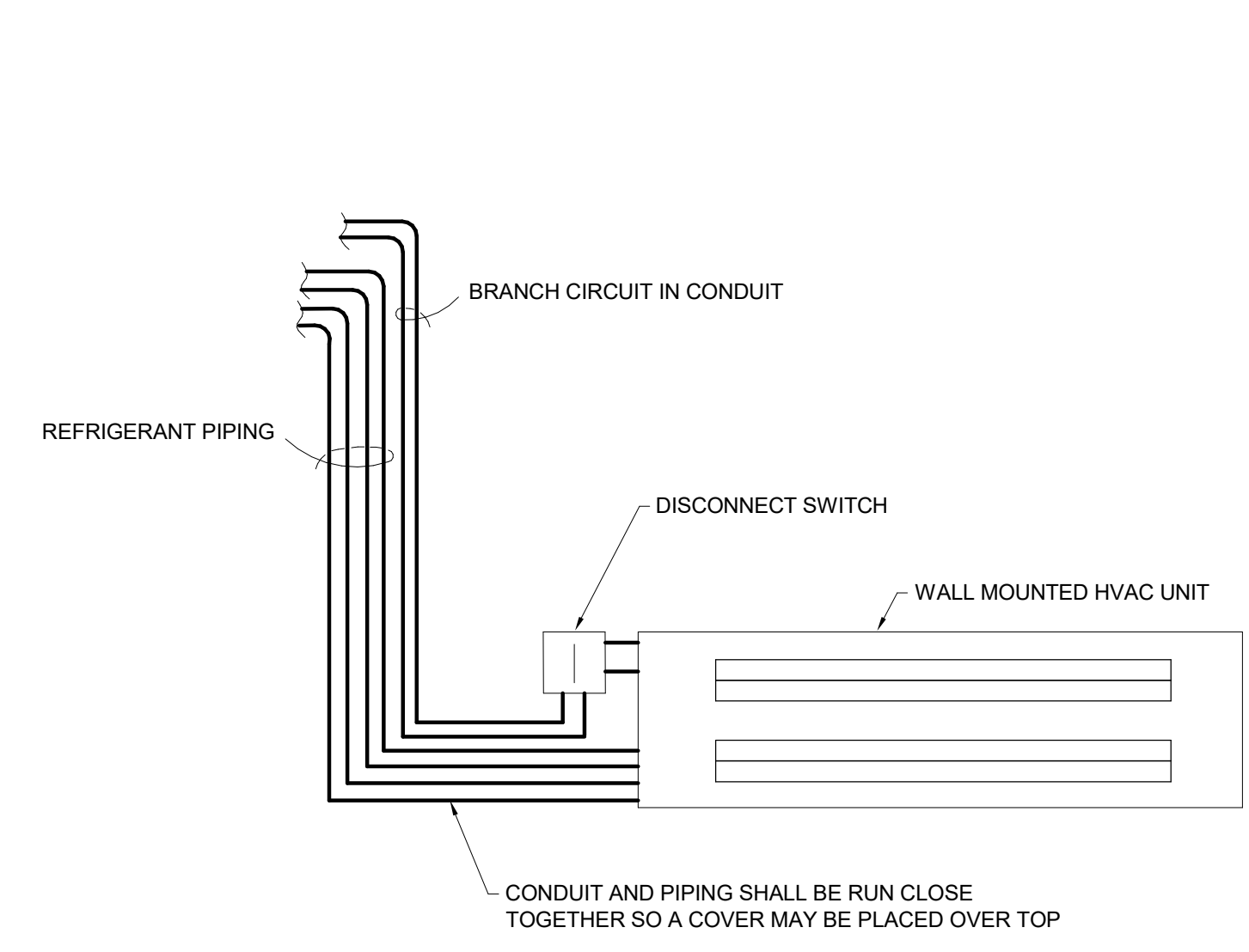
ELECTRICAL DETAILS

E703

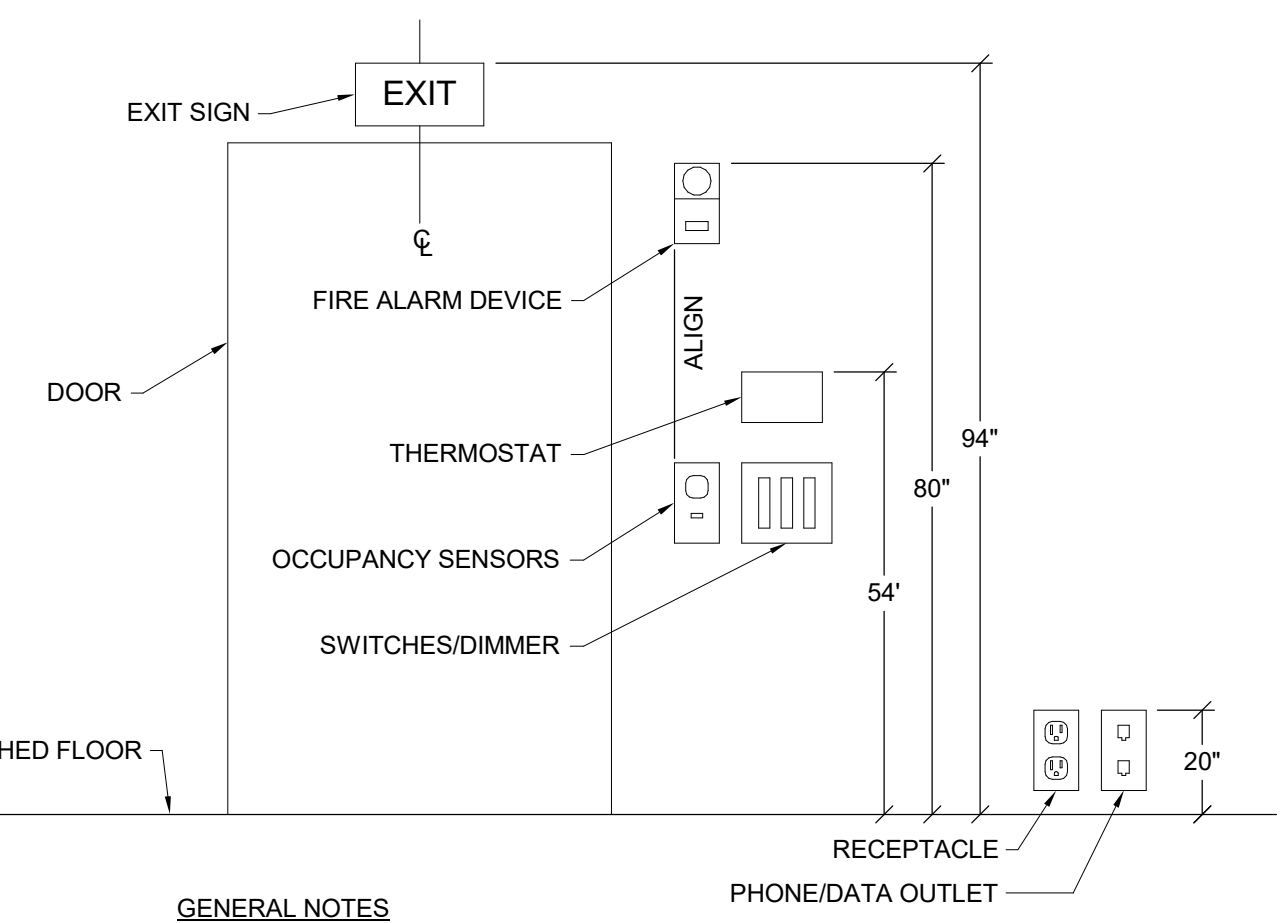
02/14/2025

23070

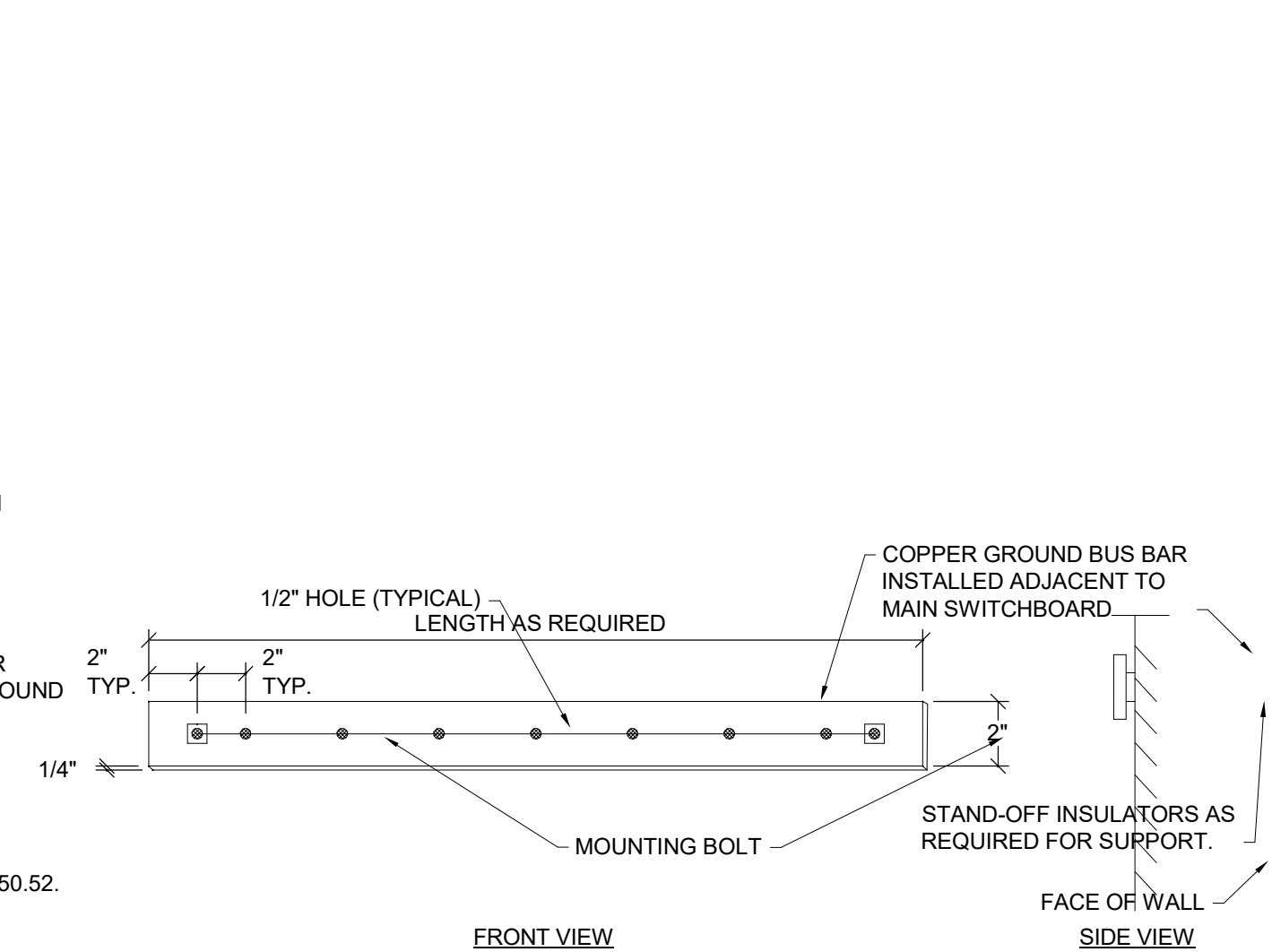
KORDA
KORDA NEMETH ENGINEERING
1650 WATERMARK DRIVE
SUITE 200
COLUMBUS, OHIO 43215
DRAWN BY: Jack Messmore
DESIGNED BY: Jack Messmore
CHECKED BY: Rob Jones
PROJECT NUMBER: 2023-0006



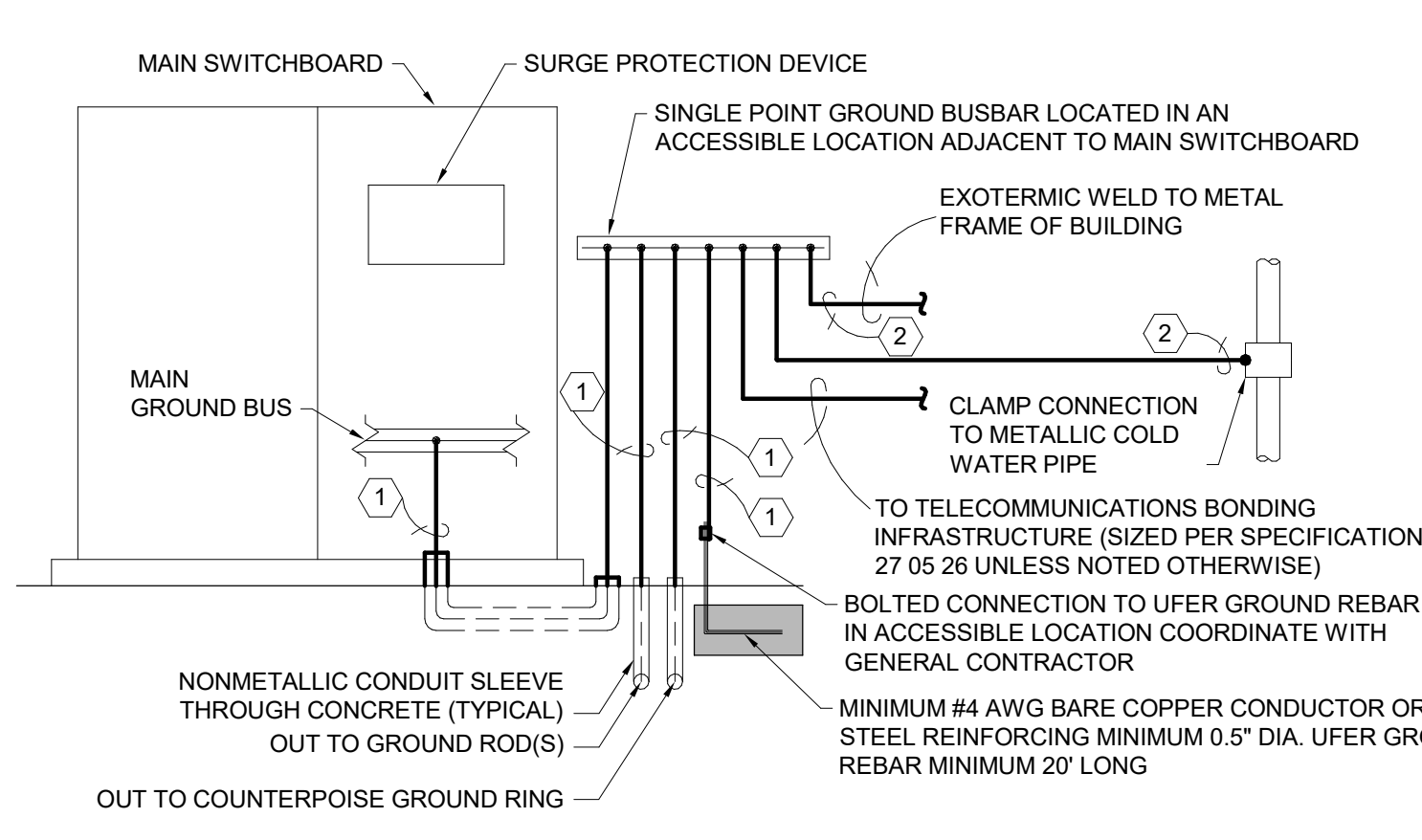
4 DETAIL
WALL MOUNTED HVAC UNIT N.T.S.



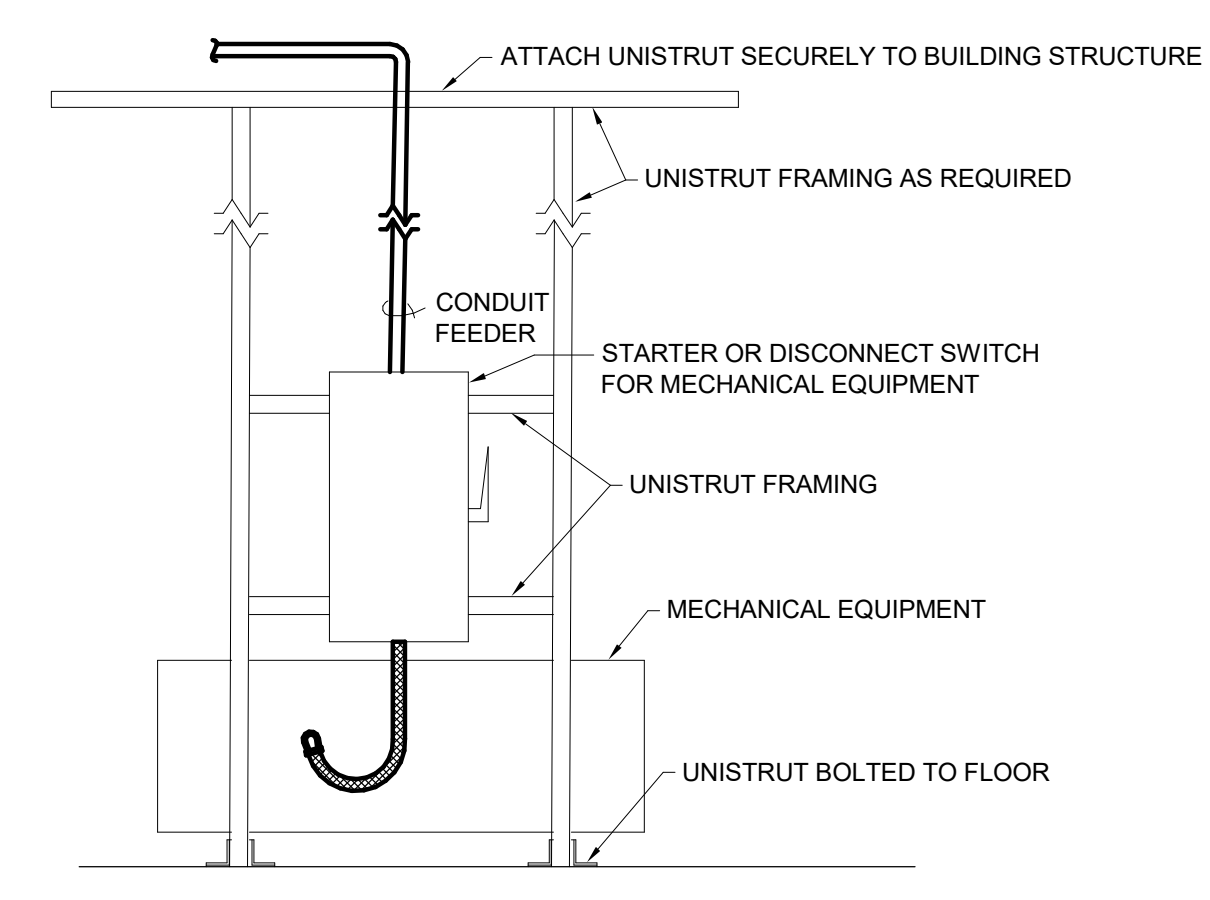
3 DETAIL
DEVICE COORDINATION N.T.S.



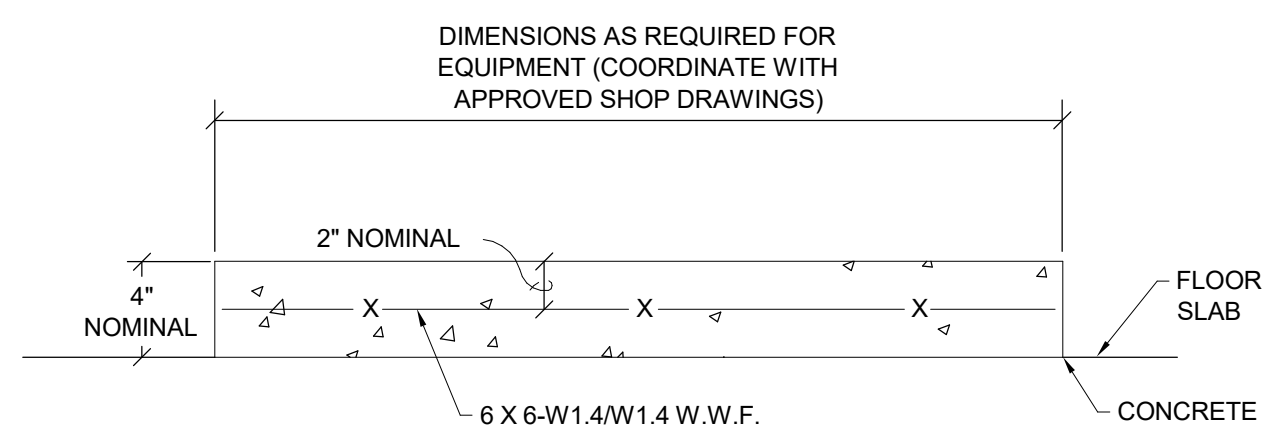
2 WIRING DIAGRAM
SINGLE POINT GROUND BUS BAR N.T.S.



1 DETAIL
GROUNDING BUSBAR AT SWITCHBOARD N.T.S.



6 DETAIL
TYPICAL STARTER/DISCONNECT SWITCH AT MECHANICAL EQUIPMENT N.T.S.



5 DETAIL
ELECTRICAL EQUIPMENT HOUSEKEEPING PAD INTERIOR N.T.S.

TECHNOLOGY SYSTEMS ABBREVIATIONS

AAC	ABOVE ACCESSIBLE CEILING
AFF	ABOVE FINISH FLOOR
AFG	ABOVE FINISH GRADE
AHJ	AUTHORITY HAVING JURISDICTION
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
AOC	ACTIVE OPTICAL CABLE
APC	ANGLE POLISHED CONNECTOR
AV	AUDIO VISUAL
AWG	AMERICAN WIRE GAUGE
BAS	BUILDING AUTOMATION SYSTEM
BC	BONDING CONDUCTOR
BCT	BONDING CONDUCTOR FOR TELECOMMUNICATIONS
BFG	BELOW FINISH GRADE
BICSI	BUILDING INDUSTRY CONSULTING SERVICE INTERNATIONAL
BMS	BUILDING MANAGEMENT SYSTEM
CAD	COMPUTER-AIDED DESIGN
CAT	CATEGORY
CATV	COMMUNITY ANTENNA TELEVISION (CABLE TELEVISION)
CCTV	CLOSED-CIRCUIT TELEVISION
CM	COMMUNICATIONS GENERAL-PURPOSE CABLE
CMP	COMMUNICATIONS PLENUM CABLE
CMR	COMMUNICATIONS RISER CABLE
COAX	COAXIAL CABLE
CP	CONSOLIDATION POINT
CPE	CUSTOMER PREMISES EQUIPMENT
CRAC	COMPUTER ROOM AIR CONDITIONING
CSI	CONSTRUCTION SPECIFICATIONS INSTITUTE
DAS	DISTRIBUTED ANTENNA SYSTEM
dB	DECIBEL
dBmV	DECIBEL MILLIVOLT
DVR	DIGITAL VIDEO RECORDER
EF	ENTRANCE FACILITY
ER	EQUIPMENT ROOM
FTP	FOIL TWISTED-PAIR
GC	GENERAL CONTRACTOR
GE	GROUNDING EQUALIZER
GEC	GROUNDING EQUALIZER CONDUCTOR
HC	HORIZONTAL CROSS-CONNECT
HDMI	HIGH-DEFINITION MULTIMEDIA INTERFACE
HH	HANDHOLE
HVAC	HEATING, VENTILATING, AND AIR CONDITIONING
IC	INTERMEDIATE CROSS-CONNECT
ID	INSIDE DIAMETER
IDC	INSULATION DISPLACEMENT CONNECTOR
IG	ISOLATED GROUND
IO	INPUT/OUTPUT (DEVICE)
IP	INTERNET PROTOCOL
IS	INFORMATION SYSTEMS
IT	INFORMATION TECHNOLOGY
ITS	INFORMATION TECHNOLOGY SYSTEMS
KVM	KEYBOARD / VIDEO / MOUSE
LAN	LOCAL AREA NETWORK
LCD	LIQUID CRYSTAL DISPLAY
LED	LIGHT-EMITTING DIODE
MC	MAIN CROSS-CONNECT
MD	MAIN DISTRIBUTOR
MDF	MAIN DISTRIBUTION FRAME
MH	MAINTENANCE HOLE
MM	MULTIMODE
MUTOA	MULTI-USER TELECOMMUNICATIONS OUTLET ASSEMBLY
+N	INDICATES MOUNTING HEIGHT (N) TO CENTER OF DEVICE AFF
N/A	NOT APPLICABLE
NEC	NATIONAL ELECTRICAL CODE
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
NVR	NETWORK VIDEO RECORDER
OD	OUTSIDE DIAMETER
OFE	OWNER-FURNISHED EQUIPMENT
OEM	ORIGINAL EQUIPMENT MANUFACTURER
OFCR	OPTICAL FIBER CONDUCTIVE RISER CABLE
OFNP	OPTICAL FIBER NONCONDUCTIVE PLENUM CABLE
OFNR	OPTICAL FIBER NONCONDUCTIVE RISER CABLE
OLT	OPTICAL LINE TERMINAL
ONT	OPTICAL NETWORK TERMINAL
OSP	OUTSIDE PLANT
OTDR	OPTICAL TIME DOMAIN REFLECTOMETER
PA	PUBLIC ADDRESS
PBX	PRIVATE BRANCH EXCHANGE
POE	POWER OVER ETHERNET
PON	PASSIVE OPTICAL NETWORK
POS	POINT OF SALE
PR	PAIR
PSTN	PUBLIC SWITCHED TELEPHONE NETWORK
PTZ	PAN, TILT, AND ZOOM
PVC	POLYVINYL CHLORIDE
QoS	QUALITY OF SERVICE
RCD	REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
REX	REQUEST TO EXIT
RF	RADIO FREQUENCY
RFID	RADIO FREQUENCY IDENTIFICATION
RGB	RED, GREEN, BLUE
RU	RACK UNIT
RX	RECEIVER
SCS	STRUCTURED CABLING SYSTEM
ScTP	SCREENED TWISTED-PAIR
SFF	SMALL FORM FACTOR
S/FTP	SCREENED / FOIL TWISTED-PAIR
SM	SINGLEMODE
STP	SHIELDED TWISTED-PAIR
TBB	TELECOMMUNICATIONS BONDING BACKBONE
TC	TELECOMMUNICATIONS CLOSET
TDD	TELECOMMUNICATIONS DEVICE FOR THE DEAF
TDMM	TELECOMMUNICATIONS DISTRIBUTION METHODS MANUAL
TE	TELECOMMUNICATIONS ENCLOSURE
TEBC	TELECOMMUNICATIONS EQUIPMENT BONDING CONDUCTOR
TGB	TELECOMMUNICATIONS GROUNDING BUSBAR
TMGB	TELECOMMUNICATIONS MAIN GROUNDING BUSBAR
TO	TELECOMMUNICATIONS OUTLET
TR	TELECOMMUNICATIONS ROOM
TV	TELEVISION
TX	TRANSMITTER
U/FTP	UNSHIELDED TWISTED-PAIR WITH FOIL SCREENED TWISTED-PAIR
CONDUCTORS	
UL	UNDERWRITERS LABORATORIES INC.
UNO	UNLESS NOTED OTHERWISE
UPS	UNINTERRUPTIBLE POWER SUPPLY
USOC	UNIVERSAL SERVICE ORDER CODE
UTP	UNSHIELDED TWISTED-PAIR
U/UTP	UNSHIELDED TWISTED-PAIR WITH UNSHIELDED TWISTED-PAIR
CONDUCTORS	
VLAN	VIRTUAL LAN
VoIP	VOICE OVER INTERNET PROTOCOL
VPN	VIRTUAL PRIVATE NETWORK
WAN	WIDE AREA NETWORK
WAO	WORK AREA OUTLET
WAP	WIRELESS ACCESS POINT
WLAN	WIRELESS LOCAL AREA NETWORK

TECHNOLOGY SYMBOLS

- SOME SYMBOLS MAY NOT BE USED.
- MOUNTING HEIGHTS ARE TO CENTER U.N.O.

SYMBOL	DESCRIPTION	MOUNTING HEIGHT UNLESS NOTED OTHERWISE
AUDIO/VISUAL SYMBOLS		
[SP]	SOUND SYSTEM SPEAKER, PENDANT MOUNTED * = ZONE NUMBER V = INTEGRAL VOLUME CONTROL	----
[S], [S1], [S2]	SOUND SYSTEM SPEAKER, CEILING MOUNTED; WALL MOUNTED * = ZONE NUMBER V = INTEGRAL VOLUME CONTROL	94"
[P]	VIDEO PROJECTOR, CEILING MOUNTED, (1) CAT6 UTP W = WALL MOUNTED	IN CEILING COORD. HT
[MONITOR]	VIDEO MONITOR DISPLAY DEVICE; REFER TO SPEC 27 41 05 * = SCREEN DIAGONAL	----
[MC]	MICROPHONE INPUT JACK, WALL MOUNTED; FLOOR MOUNTED; CEILING MOUNTED	18"
[AV]	AUDIO/VISUAL OUTLET, PROVIDE 4-11/16" DEEP BOX W/ DOUBLE GANG RING AND (2) 1-1/4" CONDUITS STUBBED TO ABOVE ACCESSIBLE CEILING FOR LAY-IN CEILING APPLICATIONS (CONDUITS EXTENDED TO PROJECTOR FOR EXPOSED CEILING APPLICATIONS). H = HIGH OUTLET L = LOW OUTLET A = AUDIO OUTPUT 3.5 MM AU = AUDIO OUTPUT 3.5 MM WITH A USB CONNECTION BT = BLUE TOOTH AUDIO INPUT WALL PLATE	SEE DRAWINGS
[A]	WIRELESS MICROPHONE ANTENNA, (1) CAT6 UTP * = NUMBER OF ANTENNA(S)	----
[TS]	TOUCHSCREEN CONTROLLER, (1) CAT6 UTP	----
SECURITY SYMBOLS		
[C]	INTERIOR SECURITY SYSTEM CAMERA, (1) CAT6 UTP	92"
[C]	EXTERIOR SECURITY SYSTEM CAMERA, (1) CAT6 UTP CEILING MOUNTED; WALL MOUNTED; "PTZ" = PAN, TILT, ZOOM.	144"
[CR]	SECURITY SYSTEM CARD READER, INCLUDES DOOR POSITION SWITCH(ES)	46"
[P]	SECURITY SYSTEM DOOR POSITION SWITCH	----
VOICE/DATA SYMBOLS		
[AP]	WIRELESS ACCESS POINT, (2) CAT6A UTP W = WALL MOUNTED	IN CEILING
▼ 1	1 PORT, WALL MOUNT, (1) CAT6 UTP	18"
▼ 2	2 PORT, WALL MOUNT, (2) CAT6 UTP	18"
▼ W	WALL PHONE, (1) CAT6 UTP FOR VOICE	46"
[TV]	TELEVISION OUTLET, (1) CAT6 UTP	60"

TECHNOLOGY SYMBOLS

- SOME SYMBOLS MAY NOT BE USED.
- MOUNTING HEIGHTS ARE TO CENTER U.N.O.

SYMBOL	DESCRIPTION	MOUNTING HEIGHT UNLESS NOTED OTHERWISE
MISCELLANEOUS SYMBOLS		
[EZ]	EZ PATH SERIES 44+ MULTIGANG FIRESTOP, QUANTITY OF GANGS AS REQUIRED TO ALLOW 30% SPARE CAPACITY. S = EZ PATH SERIES 33NEZ MULTIGANG SMOKE & ACoustICAL PATHWAY, QUANTITY OF GANGS AS REQUIRED TO ALLOW 30% SPARE CAPACITY.	ABOVE CEILING
[8" X 4" W X 3/4" A/C]	8" X 4" W X 3/4" A/C QUALITY OR BETTER PLYWOOD BACKBOARD IN TR SPACES, MOUNT 8" AFF 4" WIDE BY 8" TALL AT SPECIFIED LOCATIONS, PAINT FRONT BACK AND SIDES WITH TWO COATS FIRE RETARDANT PAINT.	104"
[PBB]	PBB (PRIMARY BONDING BUSBAR)	90"

SYMBOL LIST GENERAL INFORMATION

DEVICE SUFFIXES

AC	ABOVE COUNTER OUTLET
C	CEILING MOUNTED OUTLET
F	FLOOR MOUNTED OUTLET
S	SURFACE RACEWAY OUTLET
M	MODULAR FURNITURE OUTLET
W	WALL MOUNTED
WG	WIRE GUARD
WP	WEATHER PROOF

SCOPE OF WORK NOTES

- ALL CATEGORY CABLING AS SPECIFIED IN DIVISION 27 AND/OR DIVISION 28, INCLUDING BUT NOT LIMITED TO CABLING FOR CCTV, ACCESS CONTROL, AV-OVER-IP, CONTROL, NETWORK, AND HDBASET, SHALL BE PROVIDED BY DIVISION 27 STRUCTURED CABLING CONTRACTOR. ALL CATEGORY CABLING FOR DIVISION 27 AND DIVISION 28 APPLICATIONS SHALL COMPLY WITH INSTALLATION, TESTING, AND CERTIFICATION REQUIREMENTS PER SPECIFICATION SECTION 27 10 00.

SPEAKER ZONE SCHEDULE

ZONE NUMBER	ZONE DESCRIPTION
1	CORRIDOR, VESTIBULE
2	COURTYARD
3	EVENT SPACE

TECHNOLOGY GENERAL NOTES

- DO NOT SCALE DRAWINGS. VERIFY DIMENSIONS IN FIELD PRIOR TO COMMENCEMENT OF WORK.
- WHEREVER THE WORD PROVIDE IS USED IT SHALL MEAN TO "FURNISH AND INSTALL".
- IT IS THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS TO ESTABLISH A STANDARD OF QUALITY. THE OWNER RESERVES THE RIGHT TO APPROVE METHODS AND MATERIALS NOT REFLECTED HERE IN.
- CONTRACTOR SHALL VISIT SITE PRIOR TO BID AND VERIFY THAT CONDITIONS ARE AS INDICATED. CONTRACTOR SHALL INCLUDE IN HIS BID COSTS REQUIRED TO MAKE HIS WORK MEET EXISTING CONDITIONS.
- WORK SHALL BE PERFORMED IN A WORKMANLIKE MANNER TO THE SATISFACTION OF THE OWNER.
- WORK, MATERIALS, AND EQUIPMENT SHALL CONFORM TO THE LATEST EDITIONS OF LOCAL, STATE, AND NATIONAL CODES, ORDINANCES AND STANDARDS.
- PROVIDE RECORD DRAWINGS, INCLUDE ALL ADDENDUM ITEMS, CHANGE ORDERS, ALTERATIONS, REROUTINGS, ETC.
- VERIFY EXACT LOCATION OF EQUIPMENT PRIOR TO ROUGH-IN.
- ALL CABLING THAT PASSES THROUGH OR ORIGINATES IN EXPOSED CEILING SPACES SHALL BE INSTALLED IN LISTED METALLIC RACEWAYS. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS. RACEWAYS IN SLAB-ON-GRADE OR BELOW GRADE SHALL BE SCHEDULE 40 PVC. TRANSITIONS FROM BELOW TO ABOVE GRADE SHALL BE WITH RIGID STEEL ELBOWS. EMT FITTINGS SHALL BE MALLEABLE IRON OR STEEL. CONNECTORS SHALL BE INSULATED THROAT TYPE.
- THERE SHALL BE NO MORE THAN TWO 90 DEGREE BENDS BETWEEN PULL BOXES. PULL BOXES AND CABLE TRAYS SHOWN ON DRAWINGS SHALL BE CONSIDERED THE MINIMUM REQUIREMENTS. CONTRACTOR SHALL INSTALL PULL BOXES ACCORDING TO FIELD CONDITIONS.
- ALL CABLING ABOVE ACCESSIBLE CEILING AREAS, WHERE NOT IN CABLE TRAY, SHALL BE SUPPORTED WITH A J-HOOK SUPPORT SYSTEM. J-HOOK SPACING SHALL VARY BETWEEN 4' AND 5' ON CENTER. J-HOOK SHALL NOT BE SUPPORTED BY OR OTHERWISE ATTACHED TO THE SUSPENDED CEILING GRID WIRES OR ANY OTHER BUILDING ANCILLARY SYSTEM SUCH AS ELECTRICAL OR PLUMBING CONDUITS.
- REFER TO ARCHITECTURAL PLANS FOR WALL CONSTRUCTION.
- RACEWAYS SHALL BE RUN AS INCONSPICUOUSLY AS POSSIBLE. VERTICAL RUNS SHALL OCCUR IN CORNERS OF ROOMS. HORIZONTAL RUNS SHALL OCCUR ALONG BASEBOARD OF WALL WITH VERTICAL RUNS UP TO THE DEVICE BOXES BRANCHING OUT OF CORNER BOXES, TEES OR ELBOWS.
- ALL CONDUITS IN AREAS WITHOUT SUSPENDED CEILING SHALL BE RUN AS INCONSPICUOUSLY AS POSSIBLE. HIDDEN BEHIND BEAMS, CLOSE TO DECK, ETC. OBTAIN APPROVAL OF CONDUIT RUNS BELOW BEAMS WITH OWNER'S REPRESENTATIVE.
- ADD STEEL BRIDGING BETWEEN PURLINS/JOISTS/BEAMS AS NECESSARY TO SUPPORT THE WEIGHT OF SUSPENDED DEVICES AND FIXTURES.
- ALL DEVICES IN CEILINGS IN A ROOM SHALL BE ALIGNED.
- AT EXISTING LOCATION WHERE WALL FURRING DEPTH IS TOO SHALLOW FOR A STANDARD DEPTH JUNCTION BOX, CONTRACTOR SHALL CHISEL OUT SURROUNDING MATERIAL SO THAT BOX IS FLUSH WITH WALL. WHERE CONDUIT IS TOO DEEP, CONTRACTOR SHALL CHANNEL OUT SURROUNDING MATERIAL. EXPOSED SURFACE MOUNTED CONDUIT AND JUNCTION BOXES ARE PROHIBITED.
- PROVIDE SURFACE RACEWAY SIZE ADEQUATE FOR QUANTITY OF DATA CABLES.
- COORDINATE WITH OWNER FOR EXACT MOUNTING HEIGHT AND LOCATION OF ALL WALL-MOUNTED SECURITY CAMERAS.
- FOR ALL EXTERIOR NETWORK DEVICES CONNECTED WITH CATEGORY CABLING, TERMINATE NETWORK CABLE AT BISCUIT JACK JUST INSIDE BUILDING AND EXTEND CONDUIT AND PATCH CABLE FROM THIS POINT TO DEVICE LOCATION. PROVIDE SURGE PROTECTION DEVICE IN TECHNOLOGY ROOM (OR NEAR TELECOMMUNICATIONS ENCLOSURE WHERE THERE IS NO TECHNOLOGY ROOM).
- REFER TO THE ELECTRICAL PLANS FOR SITE REQUIREMENTS.

MAXIMUM CABLE CONDUIT FILL TABLE

TECHNOLOGY CABLE TYPE	NOMINAL CABLE O.D.	CONDUIT SIZE								
		0.75"	1"	1.25"	1.5"	2"	2.5"	3"	3.5"	4"
CAT6A PLENUM	0.309"	1	3	4	6	12	19	27	38	50
CAT6A NON-PLENUM	0.309"	1	3	4	6	12	19	27	38	50
CAT6 PLENUM	0.237"	3	5	8	12	21	33	48	65	85
CAT6 NON-PLENUM	0.234"	3	5	8	12	21	33	48	66	87
CAT6 OSP	0.251"	2	4	6	10	18	28	41	56	73
RG6 PLENUM	0.233"	3	5	8	12	21	33	48	66	87
RG11 PLENUM	0.348"	N/A	1	3	4	7	12	17	24	31

- FOR ALL VOICE/DATA APPLICATIONS, EXCEPT FOR INDIVIDUAL SECURITY DEVICES, 1" MINIMUM CONDUIT IS REQUIRED.
- CONDUIT FILL CALCULATIONS ARE BASED ON 25% SPARE FUTURE CAPACITY.
- FOR MIXED CABLE TYPES IN THE SAME CONDUIT, PERFORM CONDUIT FILL CALCULATIONS FOR MAXIMUM CROSS-SECTIONAL AREA OF 30%.
- VERIFY ALL CABLE TYPES ARE OF SIMILAR O.D. AS BASIS OF DESIGN.

KORDA

KORDA NEMETH ENGINEERING
1650 WATERMARK DRIVE
SUITE 200
COLUMBUS, OHIO 43215
DRAWN BY: Chris Chuck
DESIGNED BY: Monique Cook
CHECKED BY: Justin Schultz
PROJECT NUMBER: 2023-0006

SCHOOLEY CALDWELL

ARCHITECTURE. INSPIRED.

300 Marconi Boulevard
Columbus OH 43215
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Consultants:
Civil, Structural & MEP
Korda/Nemeth Engineering
1650 Watermark Drive, Columbus, OH 43215
614.487.1650

Barn Consultant
Mt. Vernon Barn Co.
7676 Garfield Rd., Fredericktown, OH 43039
614.634.2949

Drawing Issue Dates

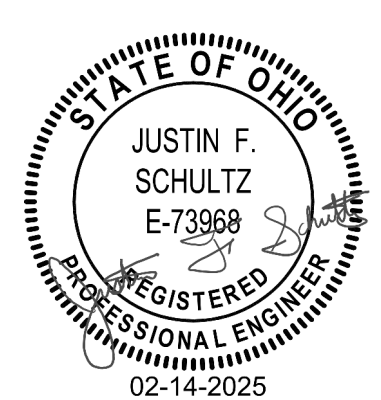
Design Development Submittal
11/17/2023
50% Construction Documents
08/15/2024
90% Construction Documents
01/15/2025
Bid Set / Permit Set
02/14/2025

Revision Schedule

#	Description	Date
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Bicentennial Barn - McCammon Creek Park

6844 Bale Kenyon Rd
Lewis Center, OH 43035



SYMBOLS AND ABBREVIATIONS

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02/14/2025

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Drawing Issue Dates

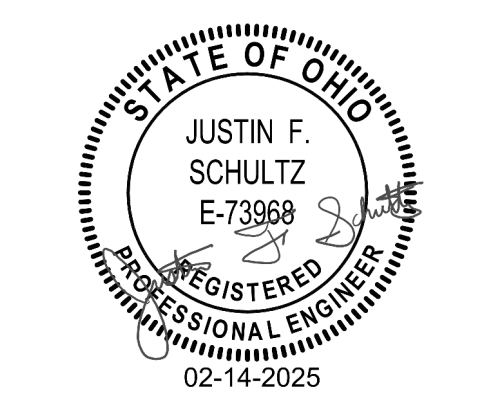
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Revision Schedule

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Bicentennial Barn -
McCammon Creek
Park

6844 Bale Kenyon Rd
Lewis Center, OH 43035



TECHNOLOGY
GROUND FLOOR
PLAN

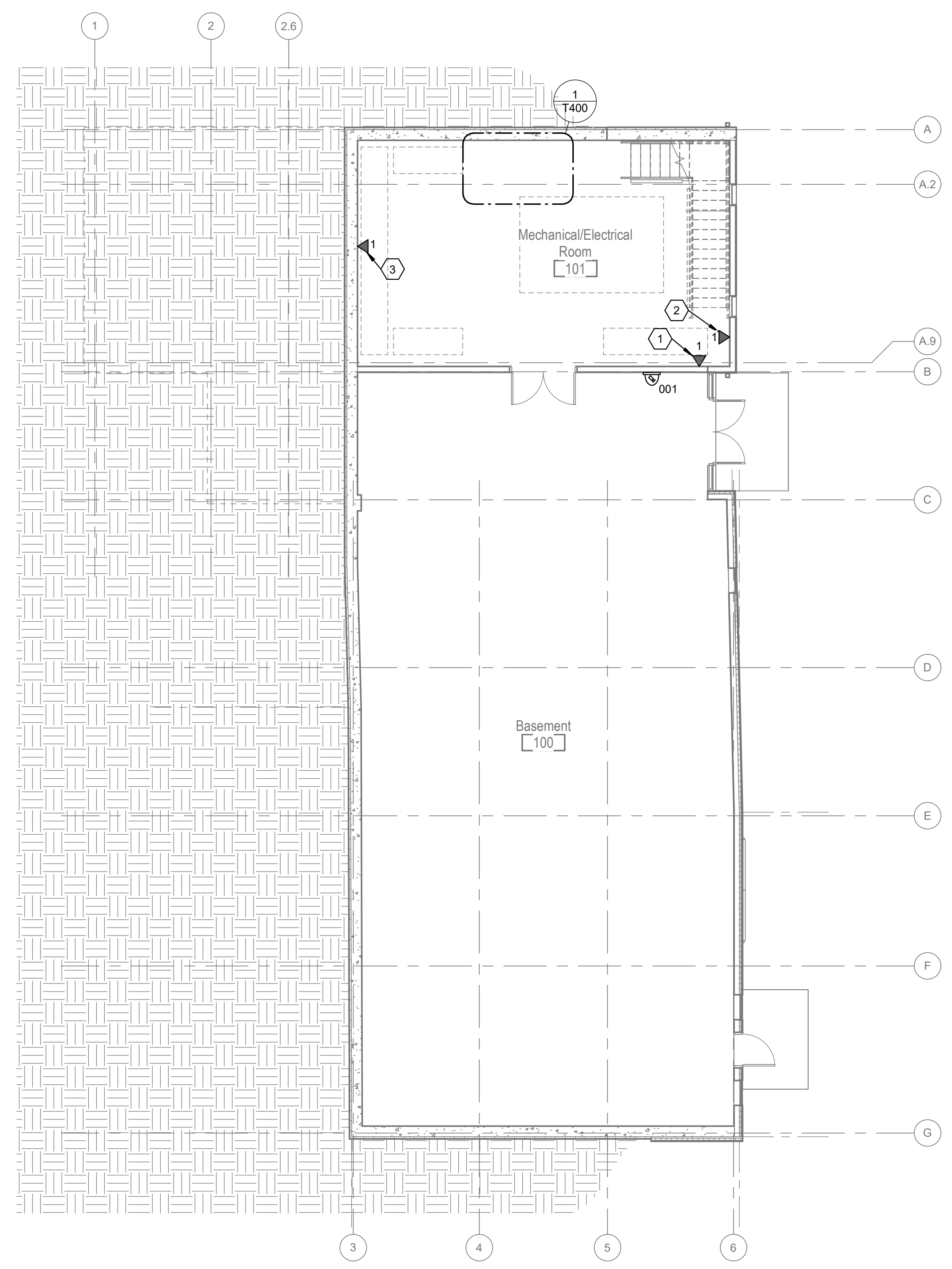
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02/14/2025

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CODED NOTES

1. PROVIDE NETWORK CONNECTION FOR FIRE ALARM CONTROL PANEL. COORDINATE EXACT LOCATION WITH FIRE ALARM CONTROL PANEL.
2. DATA PORT FOR LIGHTING CONTROLLER. COORDINATE LOCATION WITH LIGHTING CONTROL PANEL.
3. DATA PORT FOR BAS CONTROLLER. COORDINATE EXACT LOCATION WITH BAS CONTROL PANEL.



1 FLOOR PLAN
GROUND FLOOR NEW WORK TECHNOLOGY PLAN
SCALE: 1/8" = 1'-0"
0' 1' 2' 4' 8'

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SUITE 200
COLUMBUS, OHIO 43215
DRAWN BY: Chris Chuck
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PROJECT NUMBER: 2023-0006

Drawing Issue Dates

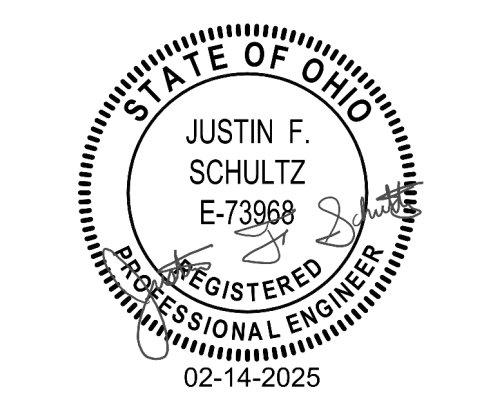
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Revision Schedule

#	Description	Date
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Bicentennial Barn -
McCammon Creek
Park

6844 Bale Kenyon Rd
Lewis Center, OH 43035



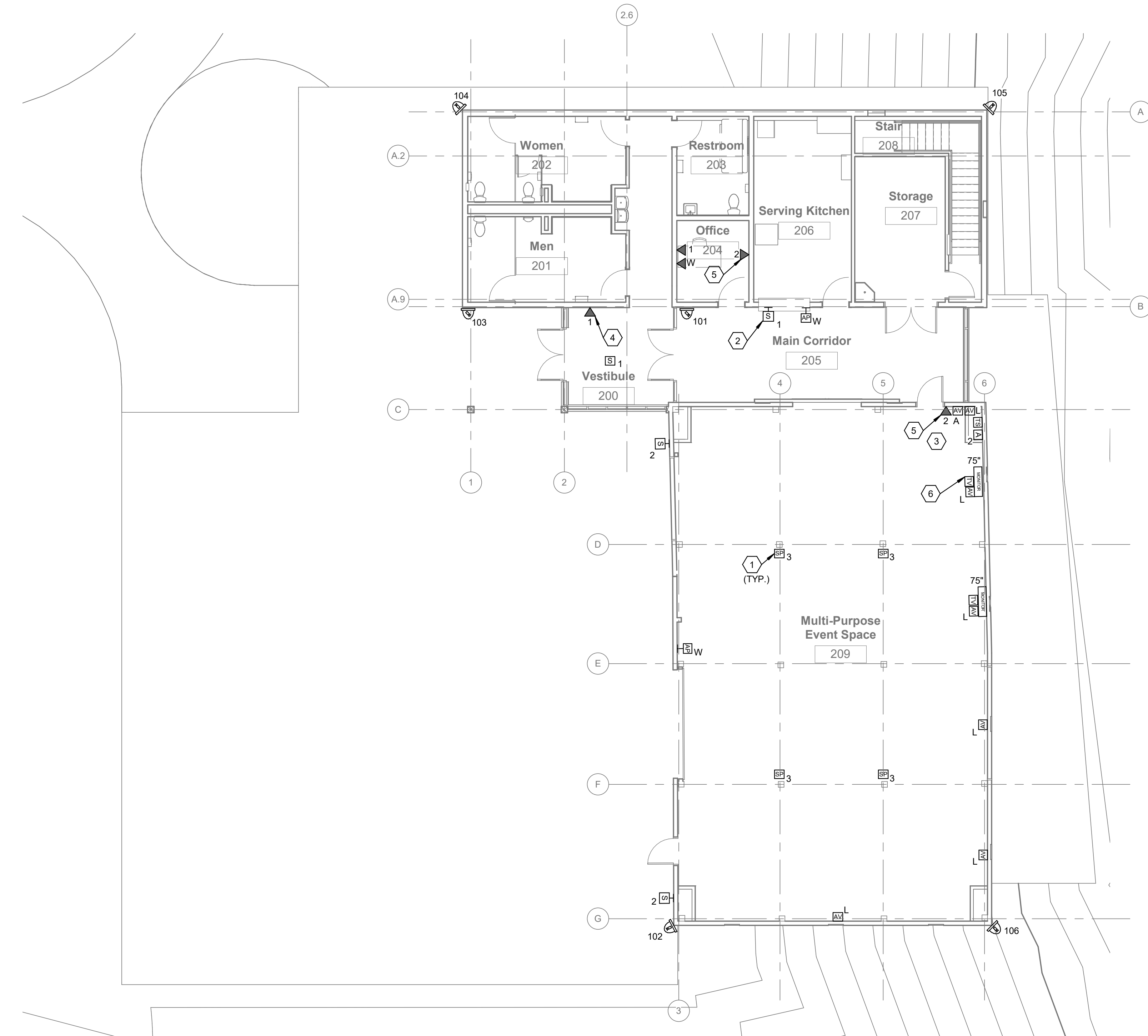
TECHNOLOGY
MAIN FLOOR PLAN

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02/14/2025

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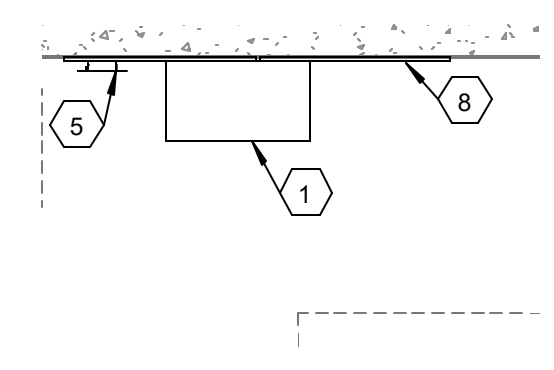
- CODED NOTES**
- PENDANT MOUNTED SPEAKERS. MOUNT SPEAKERS 20 FEET A.F.F. AND COORDINATE MOUNTING LOCATION WITH BEAMS, LIGHTING FIXTURES, OTHER CEILING DEVICES. PROVIDE SPEAKER BLACK IN COLOR.
 - PROVIDE IN-WALL SPEAKER. COORDINATE COLOR WITH OWNER.
 - PROJECTOR AND PROJECTION SCREEN CONFIGURATION TO BE DETERMINED. SEE ARCHITECTURAL DRAWINGS FOR DETAILS.
 - DATA FOR DIGITAL SIGNAGE. PROVIDE TWO-GANG COMMERCIAL METAL RECESSED TV BOX. BLACK IN COLOR. BASIS OF DESIGN: ARLINGTON TVSS505BL.
 - DATA FOR LIGHTING CONTROL PANEL. COORDINATE PLACEMENT AND ENDPOINT WITH CONTRACTOR.
 - PROVIDE (3) CAT6 UTP AT THIS TELEVISION OUTLET LOCATION.



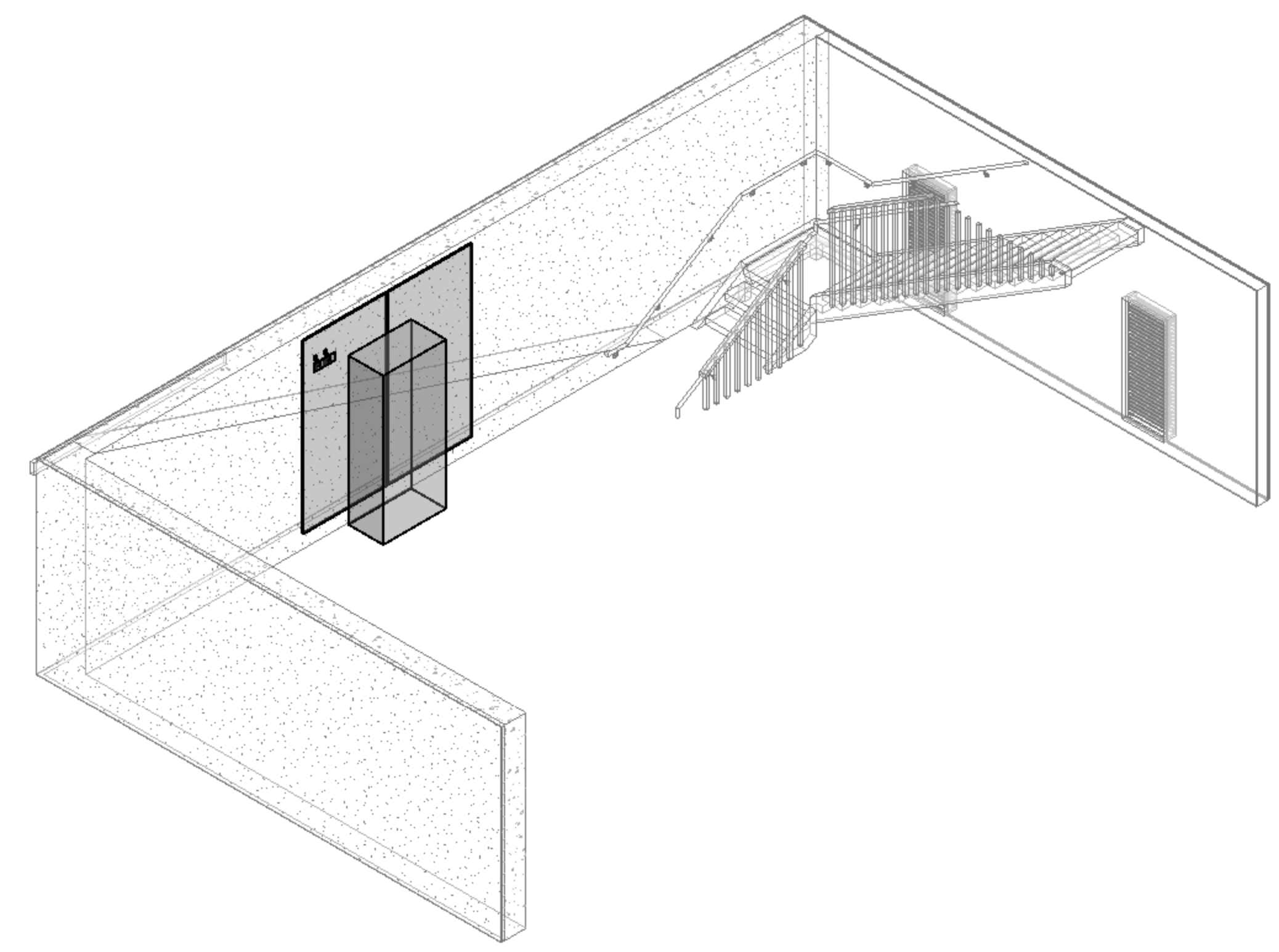
1 FLOOR PLAN
MAIN FLOOR NEW WORK TECHNOLOGY PLAN
SCALE: 1/8" = 1'-0"
0' 1' 2' 4' 8'

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SUITE 200
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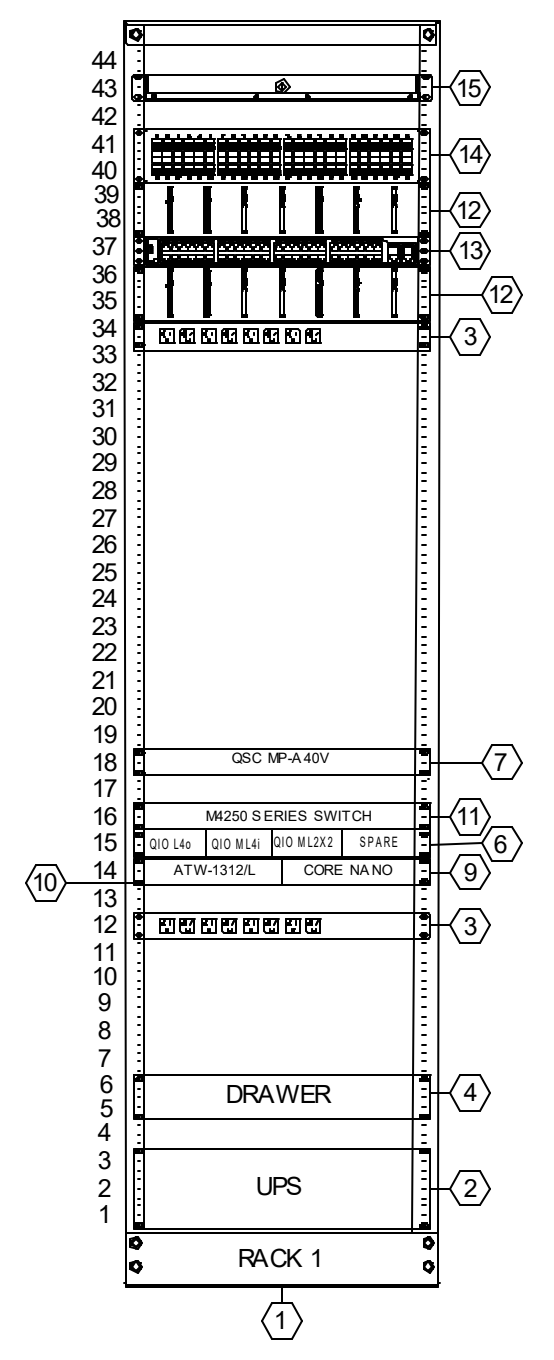
- CODED NOTES**
- EQUIPMENT RACK.
 - RACK MOUNTED UPS BY OWNER.
 - POWER DISTRIBUTION AND SURGE PROTECTION.
 - DRAWER FOR WIRELESS MICROPHONES.
 - PRIMARY BONDING BUSBAR.
 - QSC QIO NETWORK AUDIO I/O EXPANDERS MOUNTED IN QIO-RMK RACK MOUNTING KIT WITH QIO-PSU DC POWER SUPPLY.
 - AUDIO AMPLIFIER.
 - PLYWOOD BACKBOARD ON ALL WALLS, MOUNTED VERTICALLY.
 - AUDIO DIGITAL SIGNAL PROCESSOR.
 - WIRELESS MICROPHONE RECEIVER.
 - AUDIO/VIDEO NETWORK SWITCH.
 - 2RU CABLE MANAGER.
 - 1RU 48-PORT NETWORK SWITCH BY OWNER.
 - 2RU 48-PORT CAT-6 PATCH PANEL.
 - 1RU FIBER SPLICE TRAY/PATCH PANEL.



1 ENLARGED PLAN
 GROUND FLOOR TECHNOLOGY RACK
 SCALE: 1/4" = 1'-0"
 0' 1' 2' 4'



2 3D VIEW
 TECHNOLOGY RACK
 N.T.S.



3 ELEVATION
 TECHNOLOGY RACK
 N.T.S.

- GENERAL NOTES**
- POWER DISTRIBUTION EQUIPMENT WITHIN THE RACK SHALL BE ELECTRICALLY BONDED TO EITHER A RACK BONDING BUSBAR OR DIRECTLY TO THE RACK FRAME USING STRANDED COPPER WIRE WITH EITHER NO INSULATION OR GREEN INSULATION. IF NON-INSULATED WIRE IS USED, GREEN TAPE WRAP SHALL BE APPLIED AT EACH TERMINATION POINT.
 - IF A RACK BONDING BUSBAR IS USED, ALL ACTIVE EQUIPMENT WITHIN THE RACK SHALL BE BONDED TO THE BUSBAR. REFER TO TELECOMMUNICATIONS BONDING AND GROUNDING DETAILS.
 - IF THE A/V RACK CONTAINS ANY ACTIVE NETWORK ELECTRONICS (E.G., NETWORK SWITCH, ROUTER, ETC.) CONNECTED TO THE OWNER'S ENTERPRISE NETWORK, THE RACK SHALL BE BONDED TO THE TELECOMMUNICATIONS BONDING AND GROUNDING SYSTEM. REFER TO TELECOMMUNICATIONS DETAILS FOR BONDING AND GROUNDING REQUIREMENTS.

Drawing Issue Dates

Design Development Submittal	11/17/2023
50% Construction Documents	08/15/2024
90% Construction Documents	01/15/2025
Bid Set / Permit Set	02/14/2025

Revision Schedule

#	Description	Date
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Bicentennial Barn - McCammon Creek Park

6844 Bale Kenyon Rd
 Lewis Center, OH 43035



ENLARGED PLANS

T400

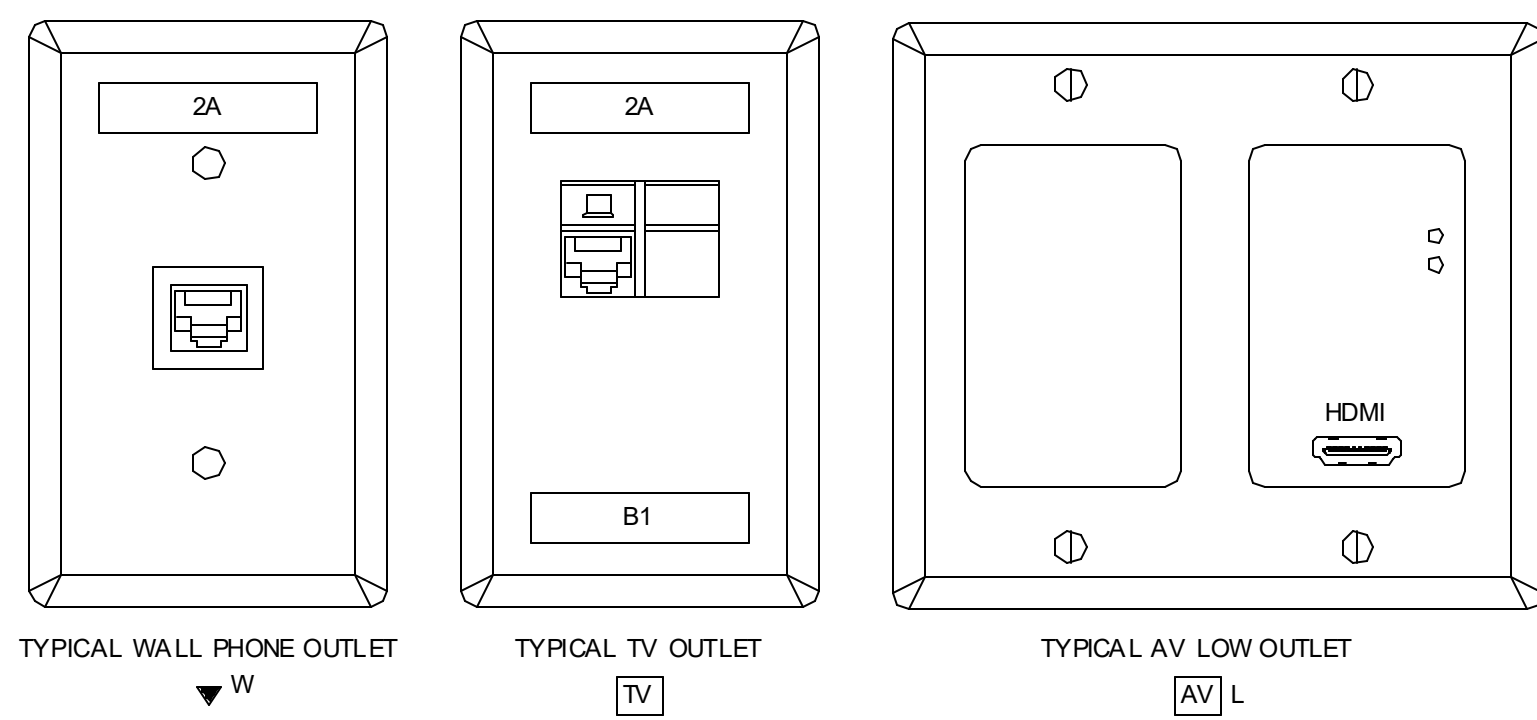
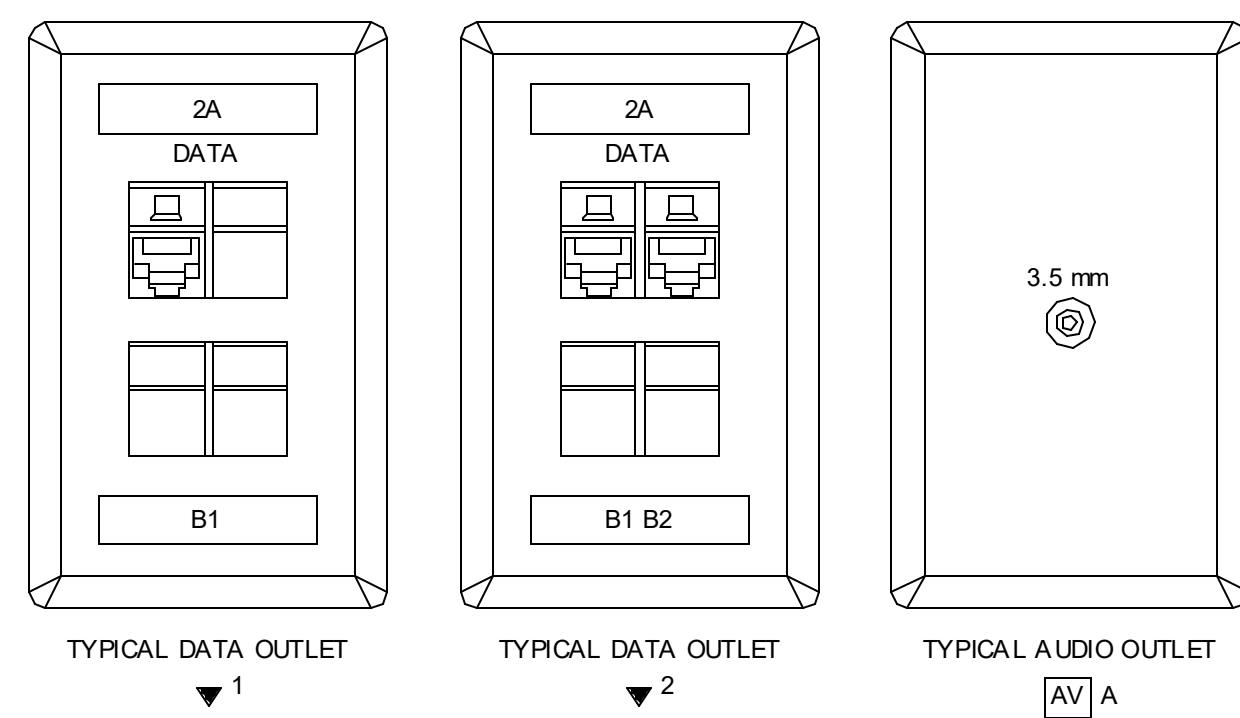
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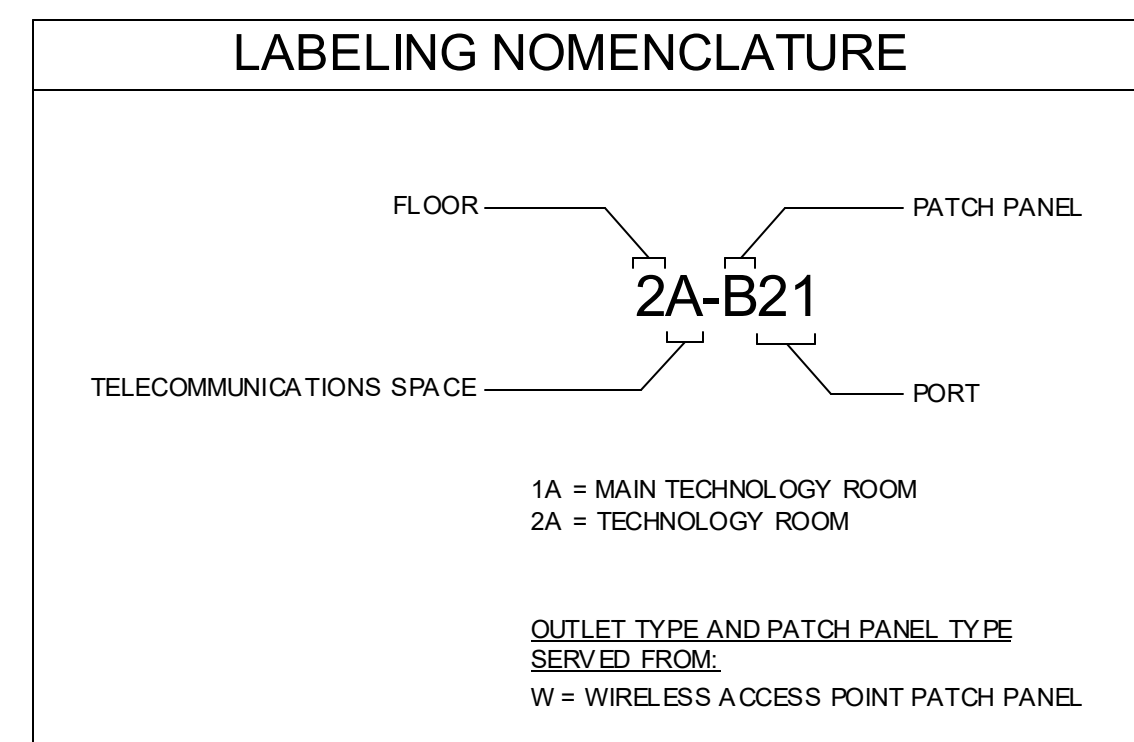
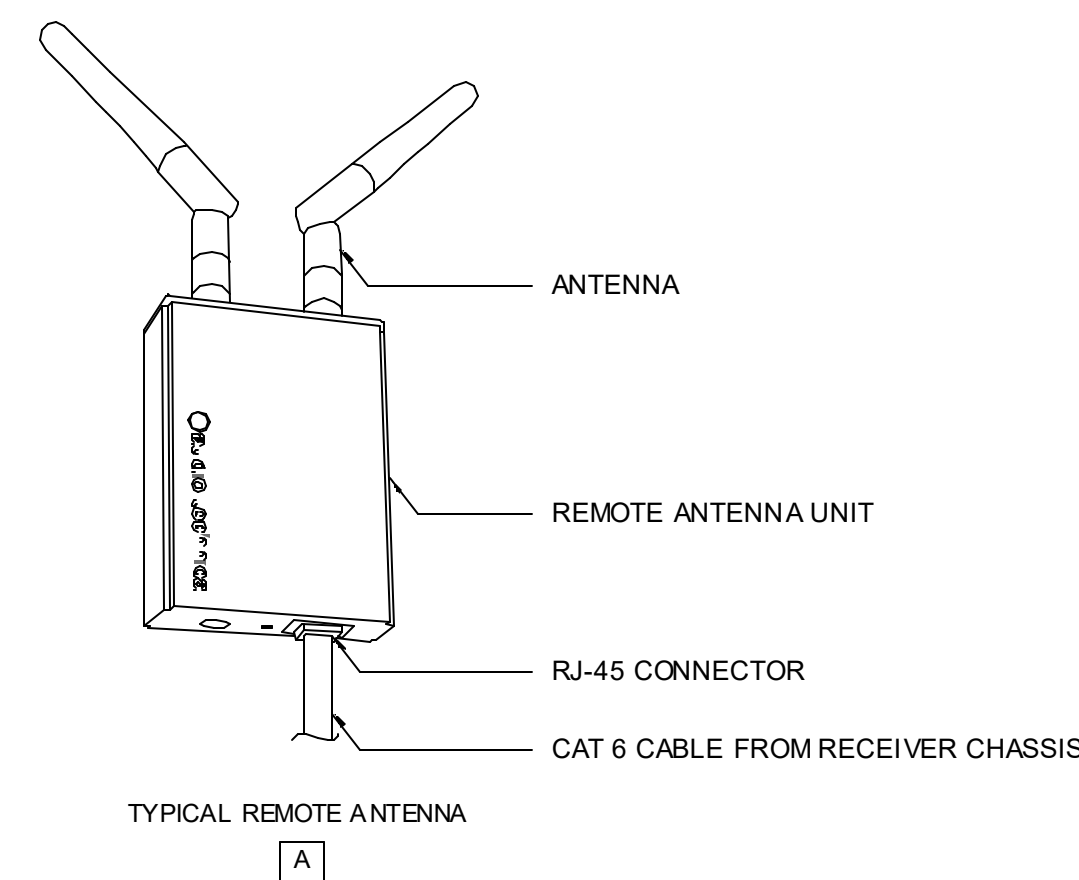
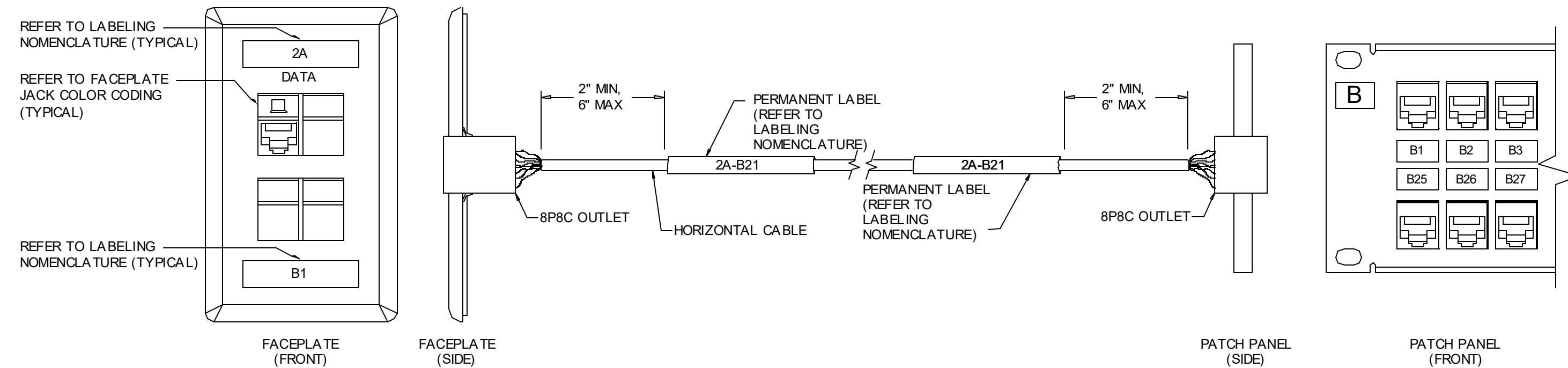
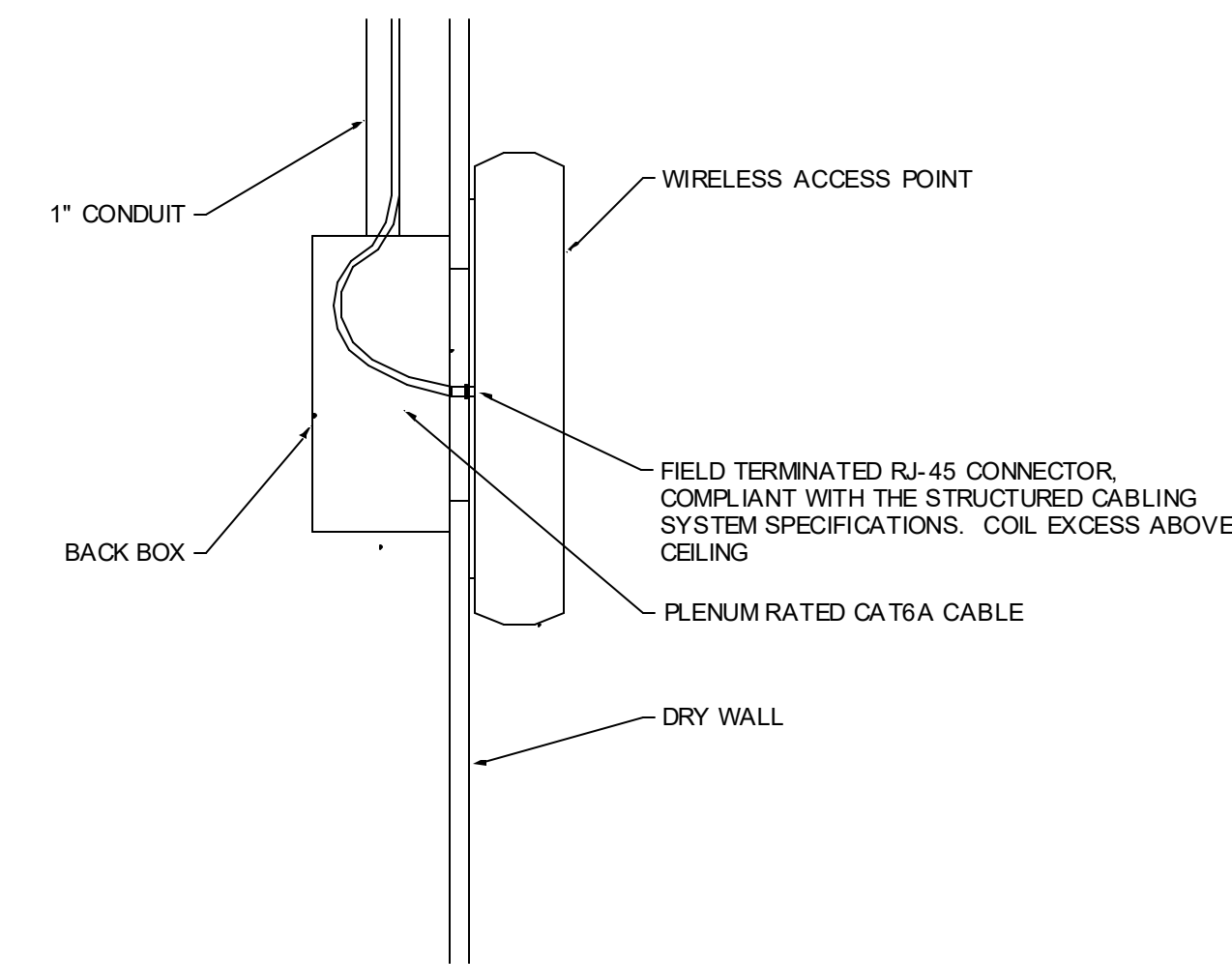
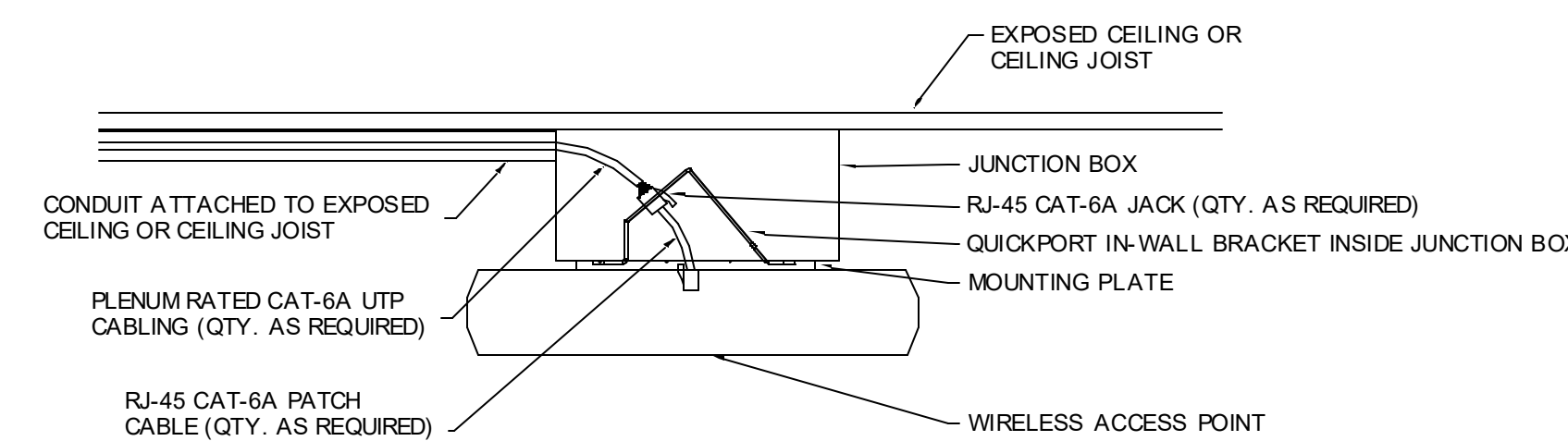
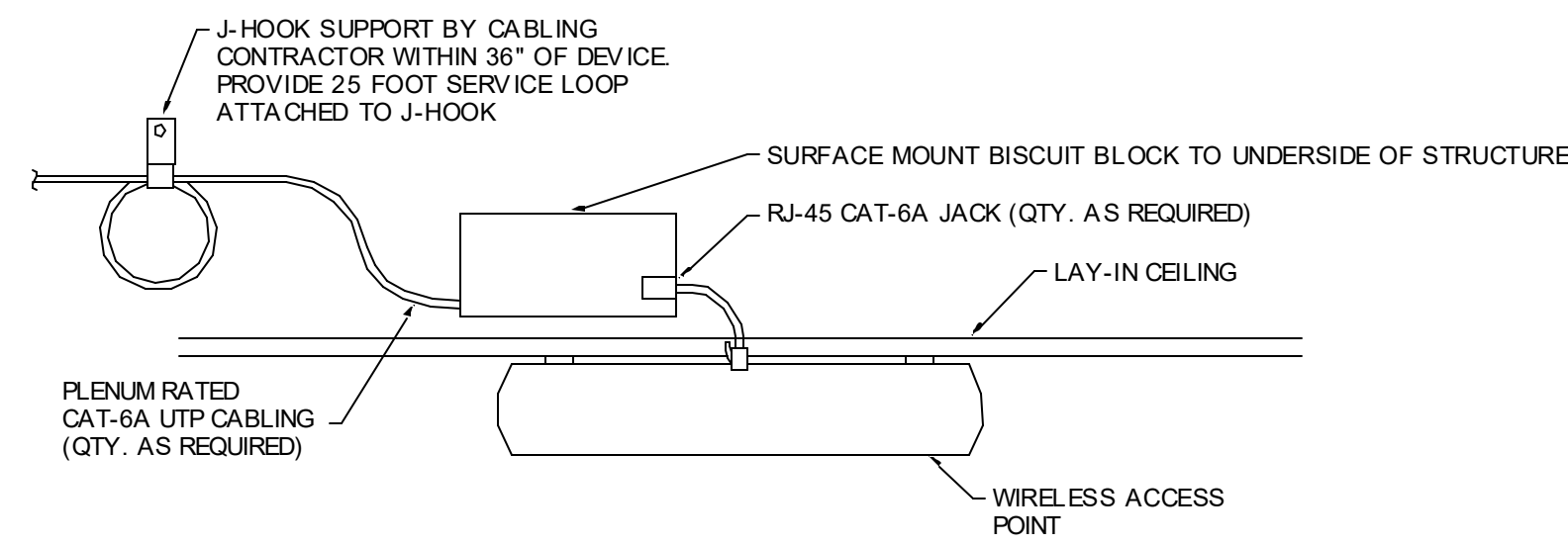
KORDA
 KORDA NEMETH ENGINEERING
 1650 WATERMARK DRIVE
 SUITE 200
 COLUMBUS, OHIO 43215

DRAWN BY: Chris Chuck
 DESIGNED BY: Monique Cook
 CHECKED BY: Justin Schultz
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Revision Schedule		
#	Description	Date



1 DETAILS
 LOW VOLTAGE SYSTEMS DEVICE PLATES N.T.S.



FACEPLATE JACK COLOR CODING

COLOR	DESCRIPTION
BLUE	DATA
PURPLE	WIRELESS ACCESS POINT
YELLOW	VIDEO SURVEILLANCE / SECURITY

1. ALL WORK AREA OUTLET FACEPLATE JACKS AND PATCH PANEL JACK LABELS SHALL BE COLOR-CODED.
 2. ALL TR / MTR PATCH CABLES SHALL BE COLOR-CODED AS LISTED ABOVE.
 3. ALL CAT-6 HORIZONTAL CABLING SHALL BE BLUE. ALL CAT-6A HORIZONTAL CABLING SHALL BE PURPLE. ALL FIBER CABLING SHALL BE YELLOW.

Drawing Issue Dates

- Design Development Submittal 11/17/2023
- 50% Construction Documents 08/15/2024
- 90% Construction Documents 01/15/2025
- Bid Set / Permit Set 02/14/2025

Revision Schedule		
#	Description	Date

Bicentennial Barn - McCammon Creek Park

6844 Bale Kenyon Rd
Lewis Center, OH 43035

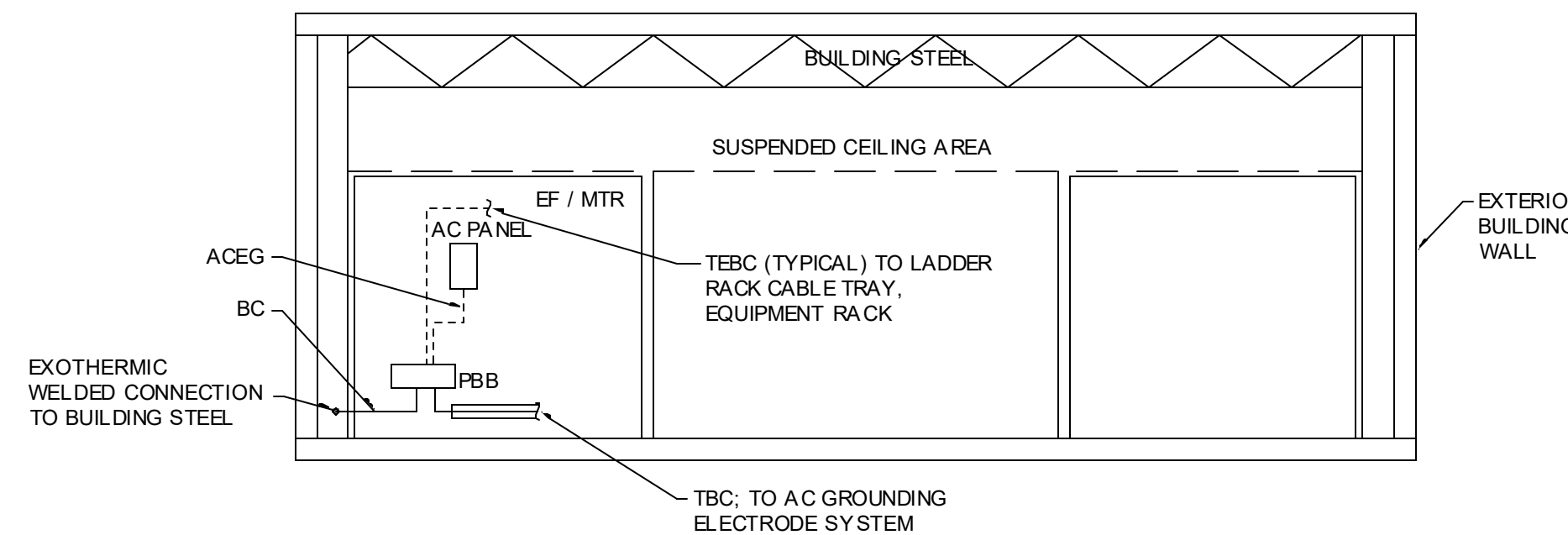


TECHNOLOGY DETAILS

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02/14/2025

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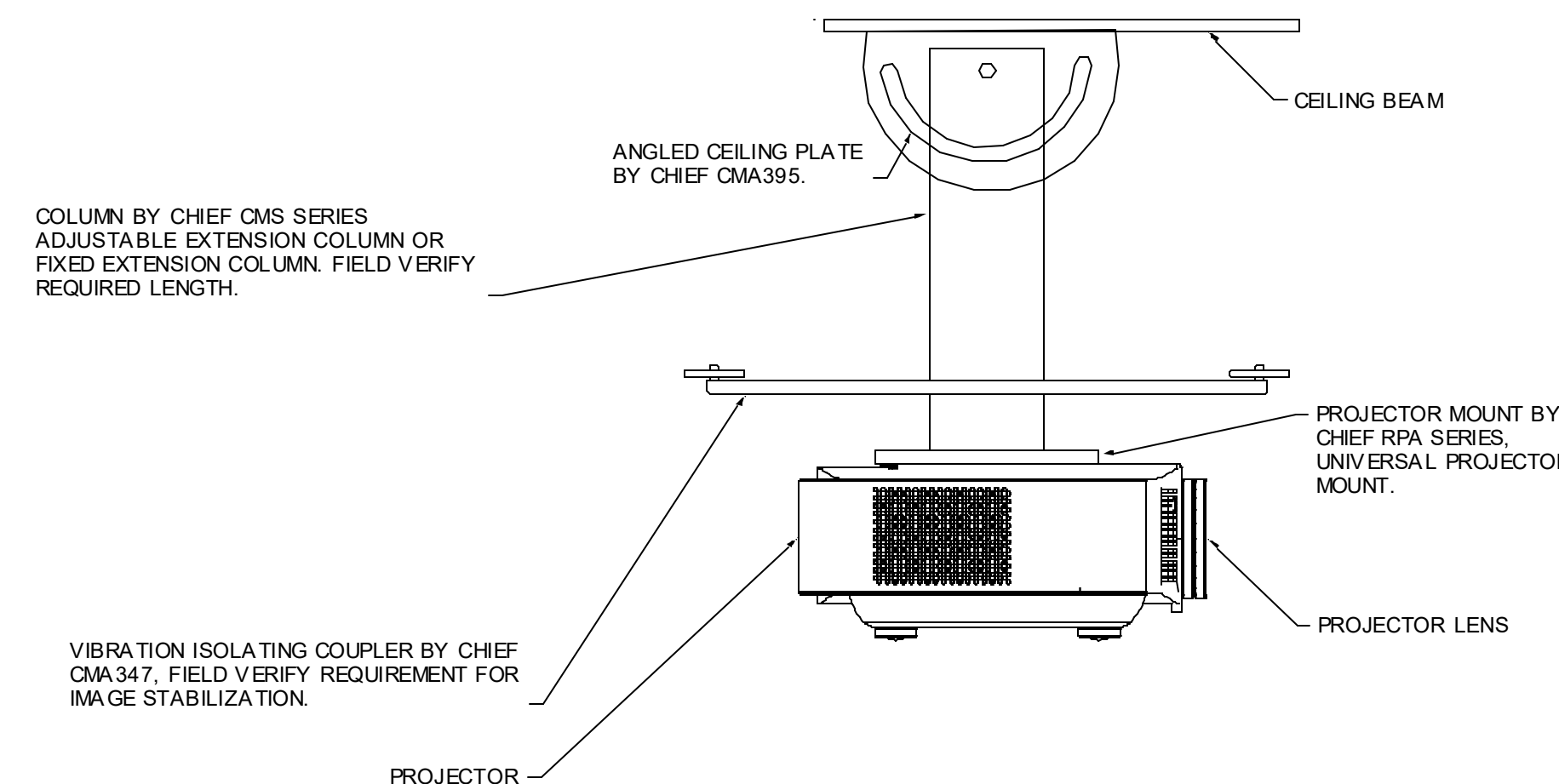


1 DETAIL
TELECOMMUNICATIONS BONDING INFRASTRUCTURE N.T.S.

ABBREVIATIONS	DIVISION	SIZE
ACEG	26	6 AWG
BBC	26	26 05 27
BC	26	4/0 AWG
EF	NA	NA
ER	NA	NA
GEC	26	6 AWG
MTR	NA	NA
PBB	26	26 05 27
RBB	27	26 05 27
SBB	26	26 05 27
SBC	26	26 05 27
TBB	26	26 05 27
TBC	26	26 05 27
TBC	27	26 05 27
TBC	27	26 05 27
TR	NA	NA

GENERAL NOTES

- ROOMS, QUANTITY OF FLOORS, AND EQUIPMENT SHOWN ARE REPRESENTATIONAL.
- REFER TO ENLARGED ROOM PLAN(S) FOR ACTUAL EQUIPMENT COUNTS AND LOCATIONS.
- BOND ALL RACKS, CONDUITS, CONDUIT SLEEVES, CABLE TRAYS, METALLIC CABLE SHEATHS, AND ALL EQUIPMENT PER CURRENT VERSION OF ANS/ITIA 607.
- REFER TO FLOOR PLANS FOR TECHNOLOGY ROOM LOCATIONS.



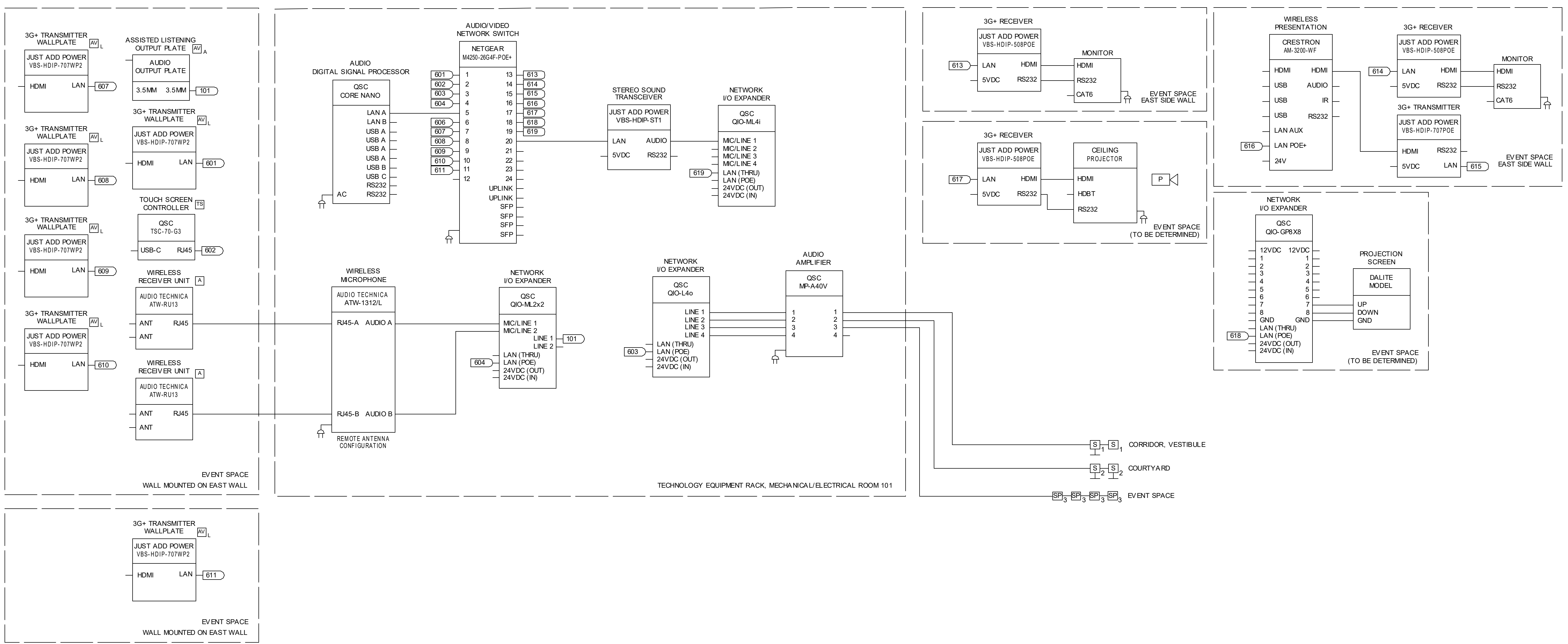
2 PROJECTOR MOUNT DETAIL
EVENT SPACE N.T.S.

GENERAL NOTES

- THIS DETAIL IS FOR REFERENCE ONLY. REFER TO MANUFACTURER INSTALLATION MANUAL AND TECHNICAL DRAWINGS FOR FURTHER INSTRUCTION.
- FIELD VERIFY OPTIMAL CEILING MOUNTING PLATE LOCATION WITHIN THE ROOM.

Design Development Submittal	11/17/2023
50% Construction Documents	08/15/2024
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Revision Schedule		
#	Description	Date



1 DETAIL
 MULTI-PURPOSE EVENT SPACE AUDIO VIDEO, ROOM 209 N.T.S.

- GENERAL NOTES**
- SEE SPECIFICATION SECTION 27 41 30 MULTIPURPOSE ROOM AUDIO VIDEO SYSTEM FOR ADDITIONAL DETAILS.

Autodesk Docs://23070 - Bicentennial Barn/R22-230006 Bicentennial Barn Relocation ELEC.rvt 2/13/2025 10:32:18 AM

Bicentennial Barn - McCammon Creek Park

6844 Bale Kenyon Rd
 Lewis Center, OH 43035



TECHNOLOGY DETAILS

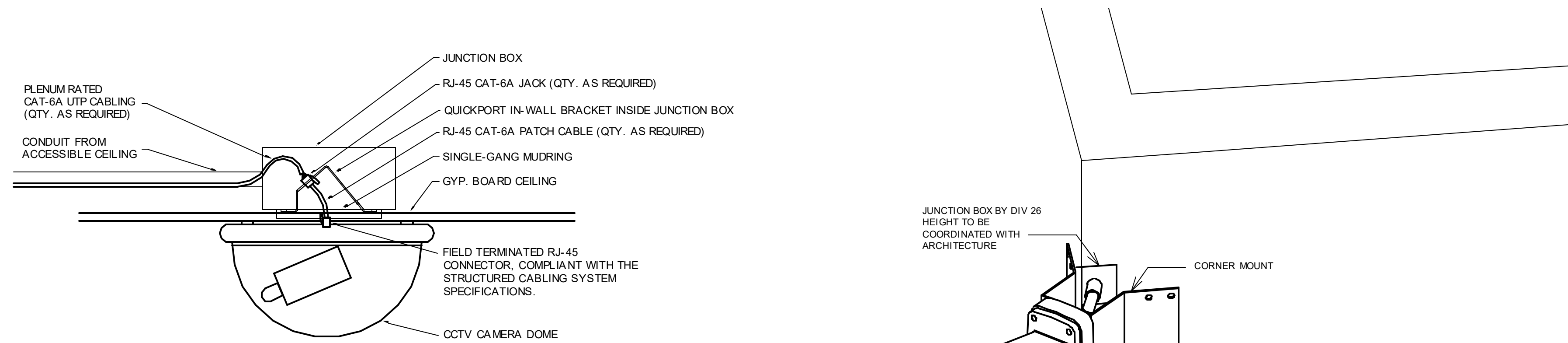
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 23070

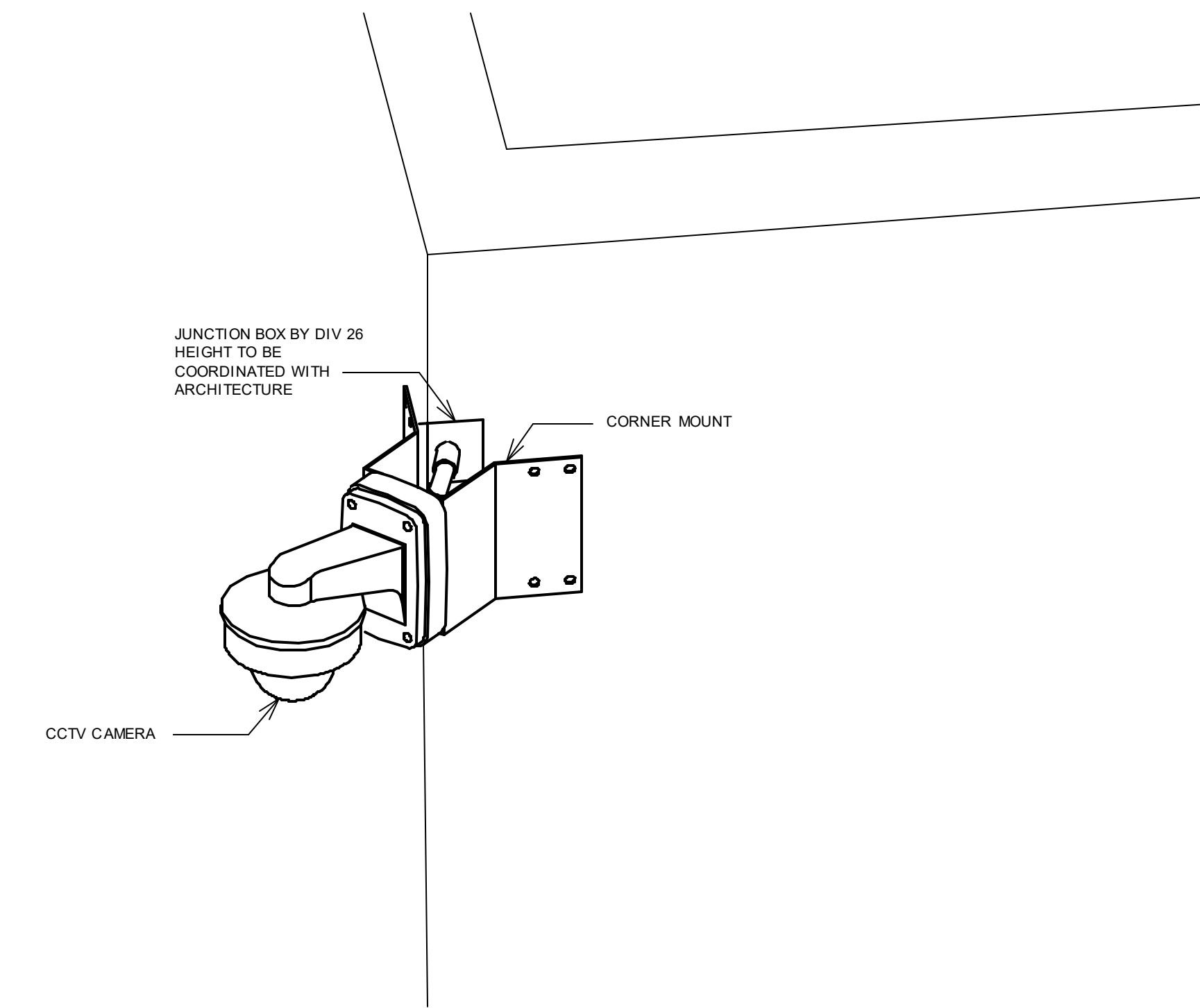
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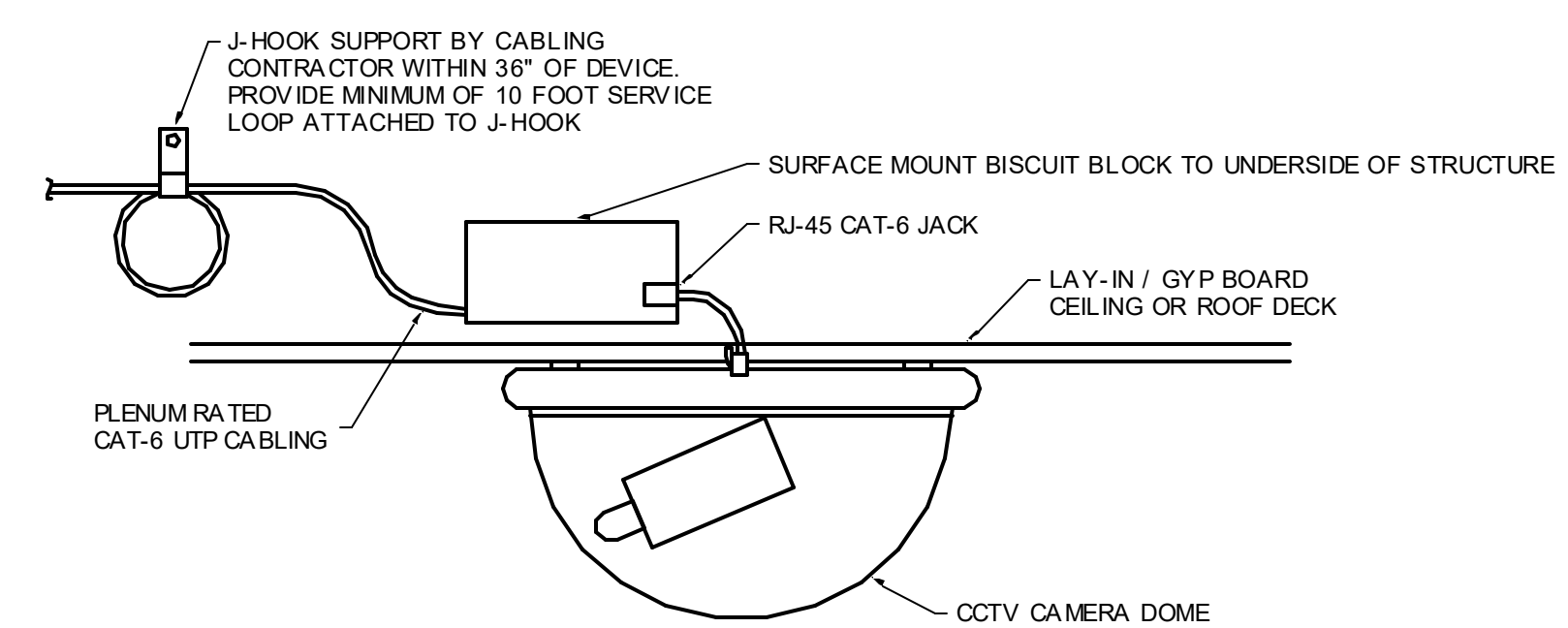
Revision Schedule		
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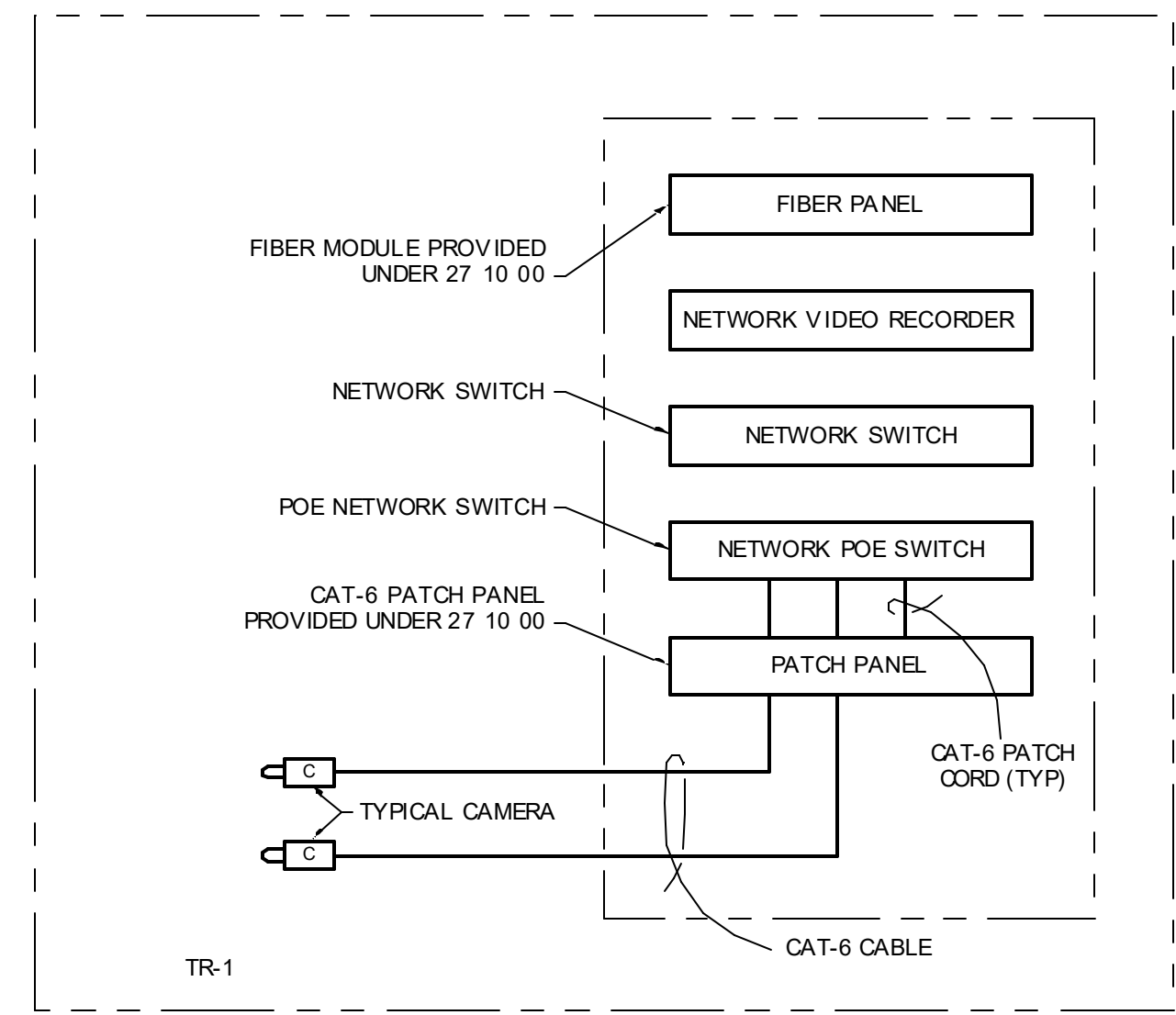
1 DETAIL
CCTV CAMERA - HARD CEILING CONNECTION N.T.S.



3 DETAIL
EXTERIOR CCTV CAMERA - CORNER MOUNT N.T.S.



2 DETAIL
CCTV CAMERA - STANDARD CONNECTION N.T.S.



4 DIAGRAM
IP VIDEO SURVEILLANCE RISER N.T.S.

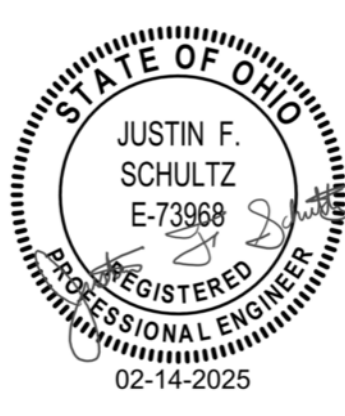
- NOTES
- CONTRACTOR SHALL VERIFY CABLING REQUIREMENTS PRIOR TO INSTALLATION.
 - DIA GRAM IS FOR REFERENCE ONLY. CONTRACTOR SHALL SUBMIT FOR APPROVAL A SPECIFIC DIA GRAM.
 - CONTRACTOR SHALL COORDINATE EXACT POWER SUPPLY CONNECTIONS AND CIRCUIT TO UPS.
 - CONTRACTOR SHALL SUPPLY ALL PATCH CABLES AND INTERCONNECTIONS OF THE SYSTEM COMPLY WITH SECTION 27 10 00 FOR CABLING.

CAMERA SCHEDULE

NUMBER	TYPE	MOUNTING	ENVIRONMENT	DESCRIPTION	SHEET
001	2MP VARIFOCAL DOME CAMERA	WALL-MOUNTED	INTERIOR	BASEMENT ENTRANCE	T300
101	2MP VARIFOCAL DOME CAMERA	WALL-MOUNTED	INTERIOR	CORRIDOR 202	T301
102	2MP VARIFOCAL VANDAL RESISTANT DOME CAMERA	CORNER-MOUNTED	EXTERIOR	COURTYARD	T301
103	2MP VARIFOCAL VANDAL RESISTANT DOME CAMERA	WALL-MOUNTED	EXTERIOR	VESTIBULE 201	T301
104	2MP VARIFOCAL VANDAL RESISTANT DOME CAMERA	CORNER-MOUNTED	EXTERIOR	NORTHWEST CORNER	T301
105	2MP VARIFOCAL VANDAL RESISTANT DOME CAMERA	CORNER-MOUNTED	EXTERIOR	NORTHEAST CORNER	T301
106	2MP VARIFOCAL VANDAL RESISTANT DOME CAMERA	CORNER-MOUNTED	EXTERIOR	SOUTHEAST CORNER	T301

Bicentennial Barn - McCammon Creek Park

6844 Bale Kenyon Rd
Lewis Center, OH 43035



TECHNOLOGY
DETAILS

T703

02/14/2025

23070

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