

PLOT DATE: 02/07/2024

ARCHITECT:
DESTREE DESIGN ARCHITECTS, INC.

222 WEST WASHINGTON AVE. SUITE 310
MADISON, WI 53703
PH: 608.268.1499
FAX: 608.268.1498
WWW.DESTREEARCHITECTS.COM
PROJECT ARCHITECT: MELISSA DESTREE AIA
PROJECT LEAD: RICHARD DOLEZAL

STRUCTURAL ENGINEER:
ECHELON STRUCTURES

THOMAS R. BOEHNEN JR. P.E., S.E.
CELL: 608-206-0521
ESCHELONSTRUCTURES@CHARTER.NET

CIVIL ENGINEER:
CITY OF MADISON

CONTACT: ADAM KANIEWSKI, PLA, CPSI

MECHANICAL ENGINEER:
HENNEMAN ENGINEERING, INC

1241 JOHN Q HAMMONS DRIVE
MADISON WI
PH: 608.833.700
CONTACT: MICHAEL J. WIMMER, P.E.

OWNER:
CITY OF MADISON
PARKS DIVISION

PROJECT MANAGER FOR CITY ENGINEERING DIVISION
LAURA AMUNDSON
CITY COUNTY BUILDING SUITE: 115
210 MARTIN LUTHER KING JR BLVD
MADISON WI 53703
608.243.5892
CONTACT: LAMUNDSON@CITYOFMADISON.COM

PROJECT MANAGER FOR CITY PARKS DIVISION
ADAM KANIEWSKI
330 E LAKESIDE STREET
MADISON, WI 53715
608.261.4281
CONTACT: AKANIEWSKI@CITYOFMADISON.COM

DEFINITIONS:

- F.E.C - FIRE EXTINGUISHER CABINET
- GWB - GYPSUM WALL BOARD
- O.F.C.I. - OWNER FURNISHED CONTRACTOR INSTALLED
- C.F.C.I. - CONTRACTOR FURNISHED CONTRACTOR INSTALLED
- TYP - TYPICAL
- XTG - EXISTING

SYMBOL LEGEND:

SECTION CALLOUT (X/XXXX)

INTERIOR ELEVATION CALLOUT (X/XXXX)

DETAIL CALLOUT (X/XXXX)

KEYNOTE CALLOUT (#)

WINDOW CALLOUT (A)

NEW WALL (====)

NEW DOOR w/ DOOR NUMBER SEE DOOR SCHEDULE (##X)



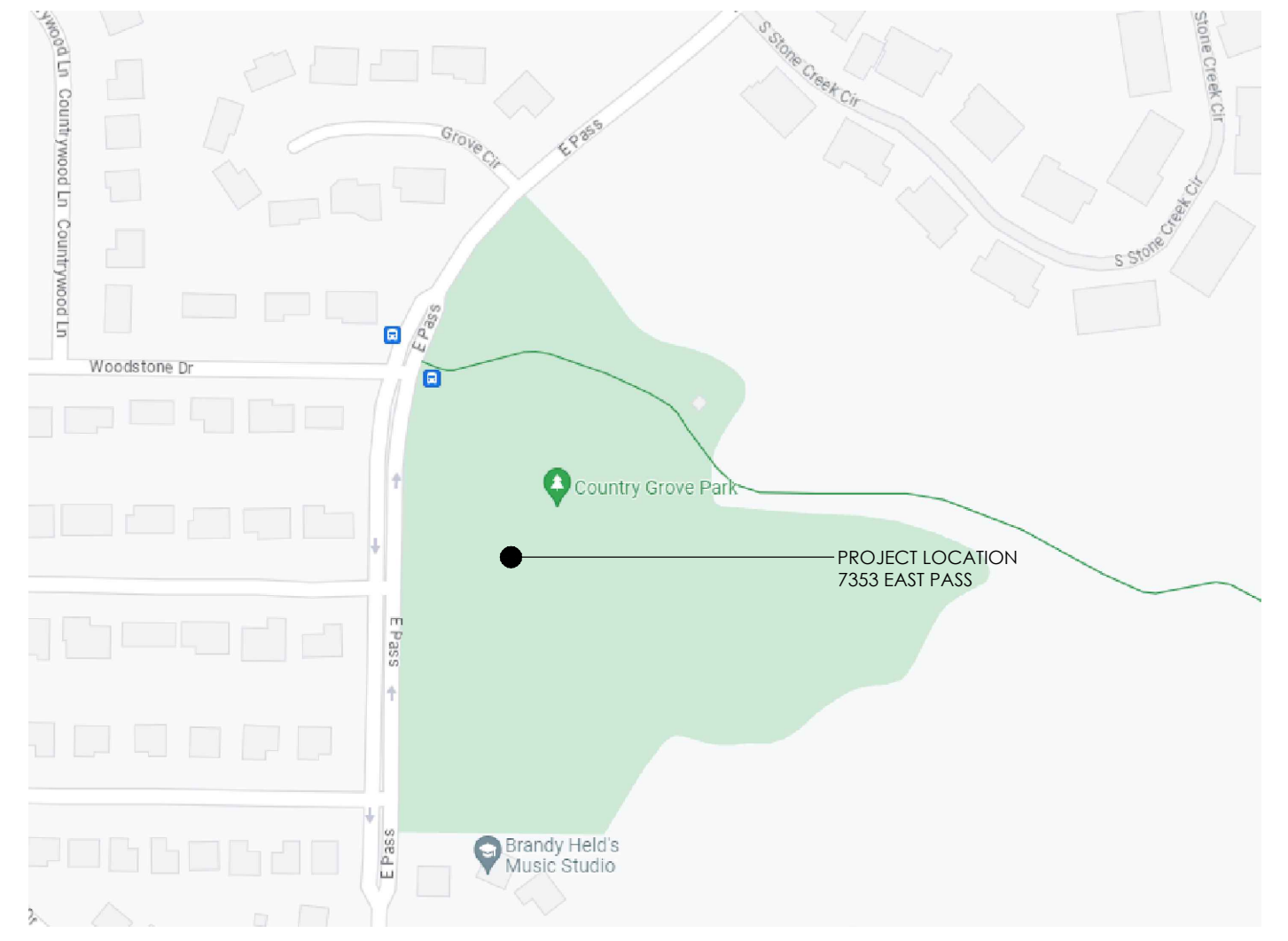
RENDERING

COUNTRY GROVE PARK SHELTER

7353 EAST PASS, MADISON WI 53719

CONTRACT #9359 / MUNIS #13937

EXHIBIT "A"



SITE LOCATION MAP

MATERIAL SELECTION SCHEDULE		
CODE	MATERIAL TYPE	FINISH / COLOR DESCRIPTION
CMU-1	COLORED CONC MASONRY UNITS	PREMIER ULTRA BURNISHED MASONRY UNIT w/ GRAFITTI SEAL COLOR: TWILIGHT (63-2108)
STONE-1	2" THIN VENEER STONE (COURSED)	EDEN STONE CO/WINDSOR w/ GRAFITTI SEAL SEE SPECIFICATIONS FOR SIZES AND ADDITIONAL INFO
CP-1	FIBER CEMENT PANEL	JAMES HARDIE SMOOTH FIBER CEMENT PANEL SIDING COLOR: JAMES HARDIE FACTORY FINISH - COUNTRYLANE RED JH90-20
CP-2	FIBER CEMENT PANEL	JAMES HARDIE SMOOTH FIBER CEMENT PANEL SIDING COLOR: JAMES HARDIE FACTORY FINISH - BLACK WATER 0703 (TO MATCH ALUM STOREFRONT)
MTL-1	ALUMINUM STOREFRONT	STANDARD BLACK ANNOIDIZED ALUMINUM
MTL-2	PREFIN METAL FLASHINGS & MISC METAL	BLACK TO MATCH ALUMINUM STOREFRONT (P-2)
P-1	PAINT	PAINT TO MATCH JAMES HARDIE - COUNTRYLANE RED JH90-20
P-2	PAINT	BLACK TO MATCH ALUMINUM STOREFRONT HIGH PERFORMANCE PAINT ON ALL STEEL
P-3	PAINT	HALLMAN LINDSAY - NEW PARKS IVORY
P-4	PAINT	SHERMAN WILLIAMS - ROYCROFT #2848 WATER BASED TILE CLAD EPOXY

NOTE: PRE-FINISHED (NON JAMES HARDIE FACTORY FINISH) PANELS REQUIRE ADDITIONAL SINGLE COAT FIELD RE-COATING.

GENERAL NOTES:

- FIELD VERIFY ALL DIMENSIONS, CONSULT ARCHITECT W/ INCONSISTENCIES.
- CONTRACTOR TO COMPLY WITH ALL APPLICABLE BUILDING CODES.
- ALL SHOP DRAWINGS TO BE APPROVED BY ARCHITECT / OWNER

CODE SUMMARY:

PROJECT DESCRIPTION: PARK SHELTER W/ TOILET ROOMS
CONSTRUCTION TYPE: 5B
HEIGHT: ONE STORY

SQUARE FOOTAGES

BUILDING FOOTPRINT = 435 SF
CONCRETE APRON AREA = 2239 SF
ROOF AREA = 1387 SF

SHEET INDEX:

TITLE	ARCHITECTURAL
T000 TITLE SHEET	S100 FOUNDATION & FRAMING PLANS & DETAILS
	S101 CONCRETE SLAB PLAN
	S300 STRUCTURAL DETAILS
	A100 FLOOR & FINISH PLAN, DOOR ELEVATIONS & DETAIL
	A101 CLERESTORY, RCP & ROOF PLANS
	A300 EXTERIOR ELEVATIONS
	A500 BUILDING SECTIONS
	A501 BUILDING SECTIONS & DETAILS
	MEP
	P000 PLUMBING NOTES AND SCHEDULES
	P100 FLOOR PLAN PLUMBING
	H100 FLOOR PLAN - HVAC
	H102 HVAC SCHEDULES AND DETAILS
	E000 ELECTRICAL DETAILS, NOTES AND SCHEDULES
	E100 FLOOR PLAN ELECTRICAL
	SL100 SITE ILLUMINATION PLAN
	SITE & CIVIL - SHELTER
C1.0 CIVIL COVER SHEET	
C1.1 PROJECT LOCATION	
C1.2 EXISTING CONDITIONS	
C1.3 DEMOLITION PLAN	
C1.4 SITE PLAN	
C1.5 GRADING AND EROSION CONTROL PLAN	
C1.6 GRADING AND EROSION CONTROL PLAN	
C1.7 BASIN DETAIL	
C1.8 PAVEMENT DETAILS	
C1.9 BIKE RACK DETAIL	
C1.10 STORM STRUCTURE DETAIL	
C1.11 SITE RESTORATION PLAN	
C100 SITE PLAN UTILITY PLAN	
L1.0 LANDSCAPE PLAN (FOR REFERENCE ONLY)	
	SITE & CIVIL - COURTS
C2.0 COURT LOCATIONS	
C2.1 EXISTING CONDITIONS	
C2.2 SITE PLAN	
C2.3 GRADING & EROSION CONTROL PLAN	
C2.4 SITE RESTORATION PLAN	
C2.5 COURT DETAILS	
C2.6 COURTS BASIN DETAIL	
C2.7 COURT BASIN STRUCTURE	

PUBLIC IMPROVEMENT PROJECT APPROVED: RES FILE ID 81596 DATE FEB. 13, 2024 BY THE COMMON COUNCIL OF MADISON, WI	PUBLIC IMPROVEMENT DESIGN APPROVED BY: CITY ENGINEER [Signature] DATE 2/8/2024
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DESTREE
architecture & design
222 WEST WASHINGTON AVE. SUITE 310
MADISON, WI 53703
PH: 608.268.1499
www.Destreearchitects.com

ENGINEERING SERVICES PROVIDED BY:
ECHELON
STRUCTURES
3530 TIMBER LANE
CROSS PLAINS, WI 53528

MEP DESIGN SERVICES PROVIDED BY:
Henneman
Engineering
Madison: 1241 John Q Hammons Dr, Suite 503
Madison, Wisconsin 53717
T: 608.833.7000
Email: info@henneman.com
Website: http://www.henneman.com
JOB NO. 23-10419









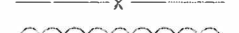
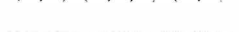



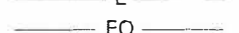
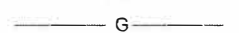
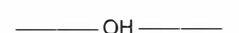



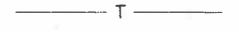
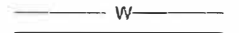








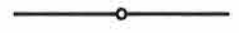


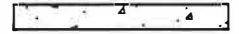

COUNTRY GROVE
PARK SHELTER
7353 EAST PASS
MADISON, WI 53719
CONTRACT #9359 / MUNIS #13937

ISSUANCES:
02.01.24 - BID SET

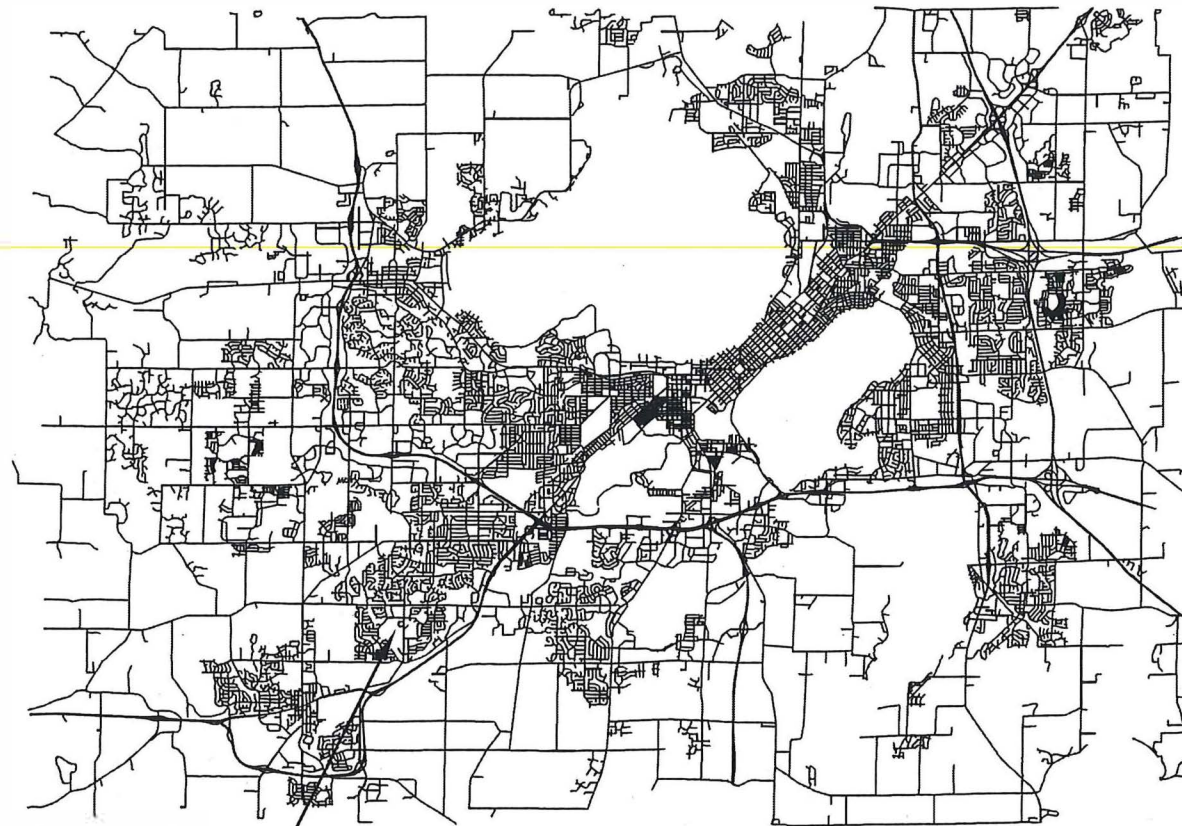
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TITLE SHEET
SHEET NUMBER

T000

LEGEND

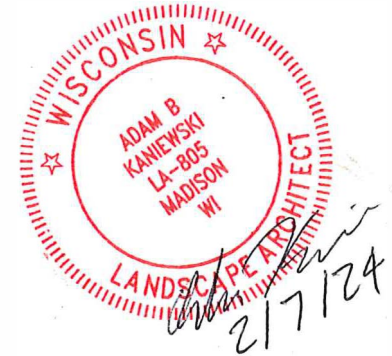
-  EX. ELECTRICAL HAND HOLE
-  EX. ELECTRICAL PEDESTAL
-  EX. TELEPHONE PEDESTAL
-  EX. TREE
-  EX. WATER HYDRANT
-  EX. WATER VALVE
-  EX. PROPERTY LINE
-  EX. EASEMENT
-  EX. FENCE LINE
-  EX. TREE LINE
-  EX. CONTOUR (INDEX)
-  EX. CONTOUR (INTER)
-  EX. ABANDONED UTILITY
-  EX. ELECTRIC
-  EX. FIBER OPTIC
-  EX. NATURAL GAS
-  EX. OVERHEAD LINE
-  EX. SANITARY SEWER
-  EX. STORM SEWER
-  EX. CABLE TV
-  EX. UNDERGROUND TELEPHONE
-  EX. WATER LINE
-  EX. GRAVEL
-  EX. CONCRETE
-  EX. PAVEMENT REMOVAL
-  PRO. SPOT ELEVATION
-  PRO. CONTOUR (INDEX)
-  PRO. CONTOUR (INTER)
-  PRO. CONSTRUCTION FENCE
-  PRO. SILT SOCK
-  PRO. STORM SEWER
-  PRO. ASPHALT
-  PRO. CONCRETE
-  PRO. CONSTRUCTION ENTRANCE

**COUNTRY GROVE
PARK SHELTER
MUNIS NUMBER:
13937-51-200**

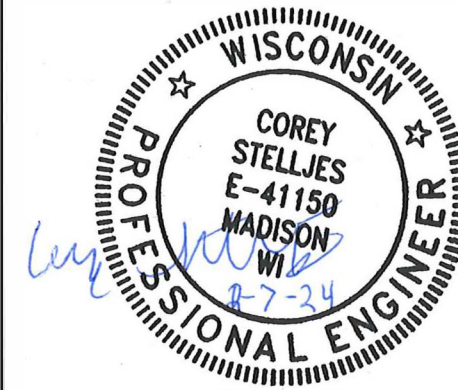


COUNTRY GROVE PARK
7353 EAST PASS

SITE, GRADING, LANDSCAPE DESIGNED BY:



STORMWATER MANAGEMENT DESIGNED BY:



City of Madison
Department of Public Works
PARKS DIVISION
330 E. Lakeside St.
Madison, WI 53715

play
**MADISON
PARKS**



PROJECT:

*COUNTRY GROVE
PARK SHELTER*

Although every effort has been made in preparing these plans and checking them for accuracy, the contractor and subcontractors must check all details and dimensions of their trade and be responsible for the same.

ITEM	DATE
BID SET	02-01-2024

PUBLIC WORKS PROJECT #:
9359

SHEET TITLE:
CIVIL COVER SHEET

SHEET NUMBER:
C1.0

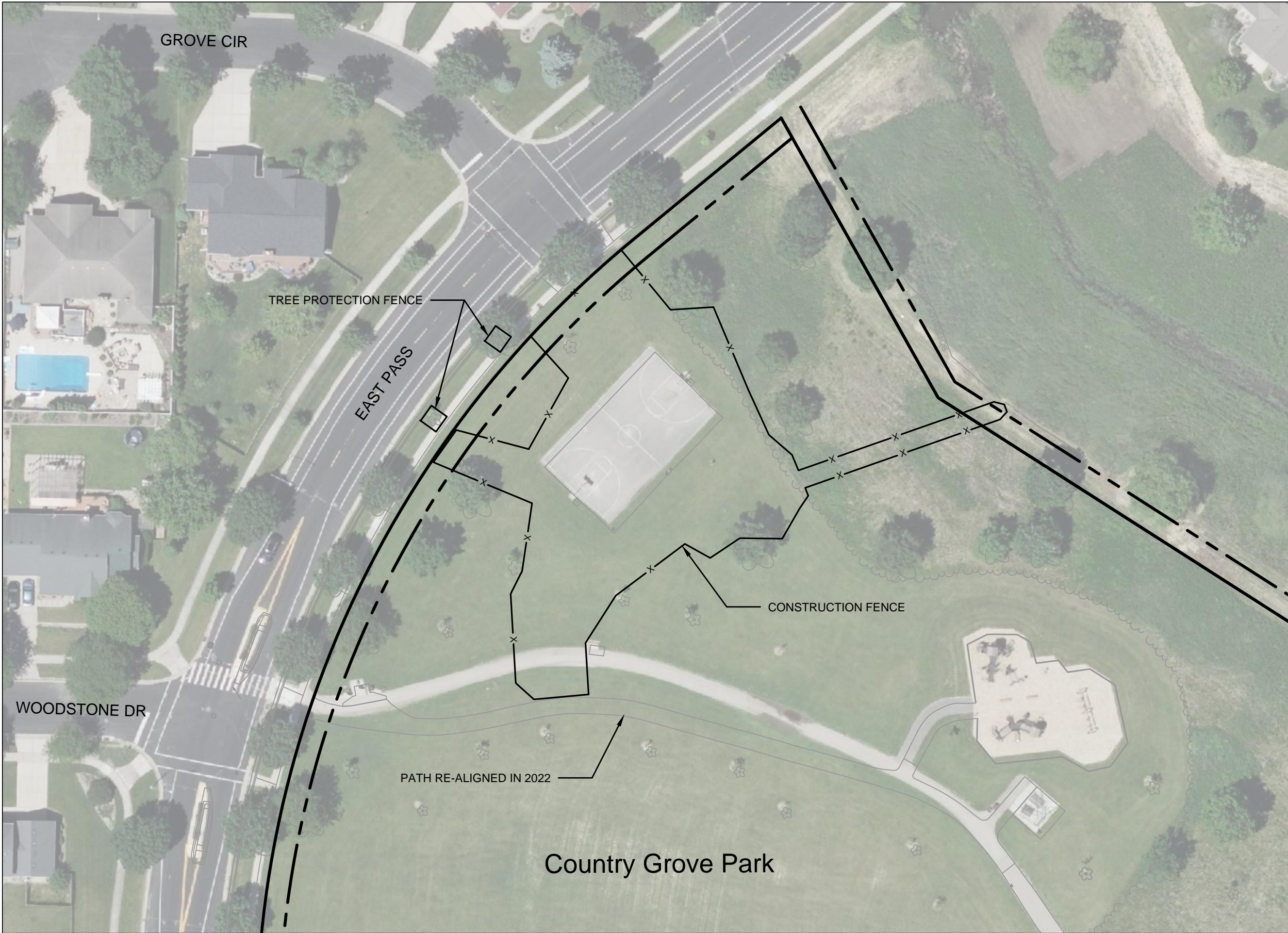
SHEET SCHEDULE

SHELTER

- C1.1 PROJECT LOCATION
- C1.2 EXISTING CONDITIONS
- C1.3 DEMOLITION PLAN
- C1.4 SITE PLAN
- C1.5 GRADING AND EROSION CONTROL PLAN
- C1.6 GRADING AND EROSION CONTROL PLAN
- C1.7 BASIN DETAIL
- C1.8 PAVEMENT DETAILS
- C1.9 BIKE RACK DETAIL
- C1.10 STORM STRUCTURE DETAIL
- C1.11 SITE RESTORATION PLAN
- L1.0 LANDSCAPE PLAN
(FOR REFERENCE ONLY)

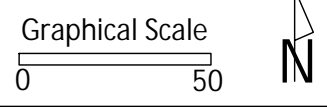
COURTS

- C2.0 COURTS LOCATION
- C2.1 EXISTING CONDITIONS
- C2.2 SITE PLAN
- C2.3 GRADING AND EROSION CONTROL PLAN
- C2.4 SITE RESTORATION PLAN
- C2.5 COURT DETAILS
- C2.6 COURTS BASIN DETAIL
- C2.7 COURT BASIN STRUCTURE



City of Madison
 Department of Public Works
PARKS DIVISION
 330 E. Lakeside St.
 Madison, WI 53715

play
**MADISON
 PARKS**



PROJECT:
**COUNTRY GROVE
 PARK SHELTER**

PROJECT ADDRESS:
**7353 EAST PASS
 MADISON, WI**

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ITEM	DATE
BID SET	02-01-2024

PUBLIC WORKS PROJECT #:
9359

SHEET TITLE:
PROJECT LOCATION

SHEET NUMBER:
C1.1

City of Madison
 Department of Public Works
PARKS DIVISION
 330 E. Lakeside St.
 Madison, WI 53715

play
**MADISON
 PARKS**

Graphical Scale
 0 40



PROJECT:

**COUNTRY GROVE
 PARK SHELTER**

PROJECT ADDRESS:

**7353 EAST PASS
 MADISON, WI**

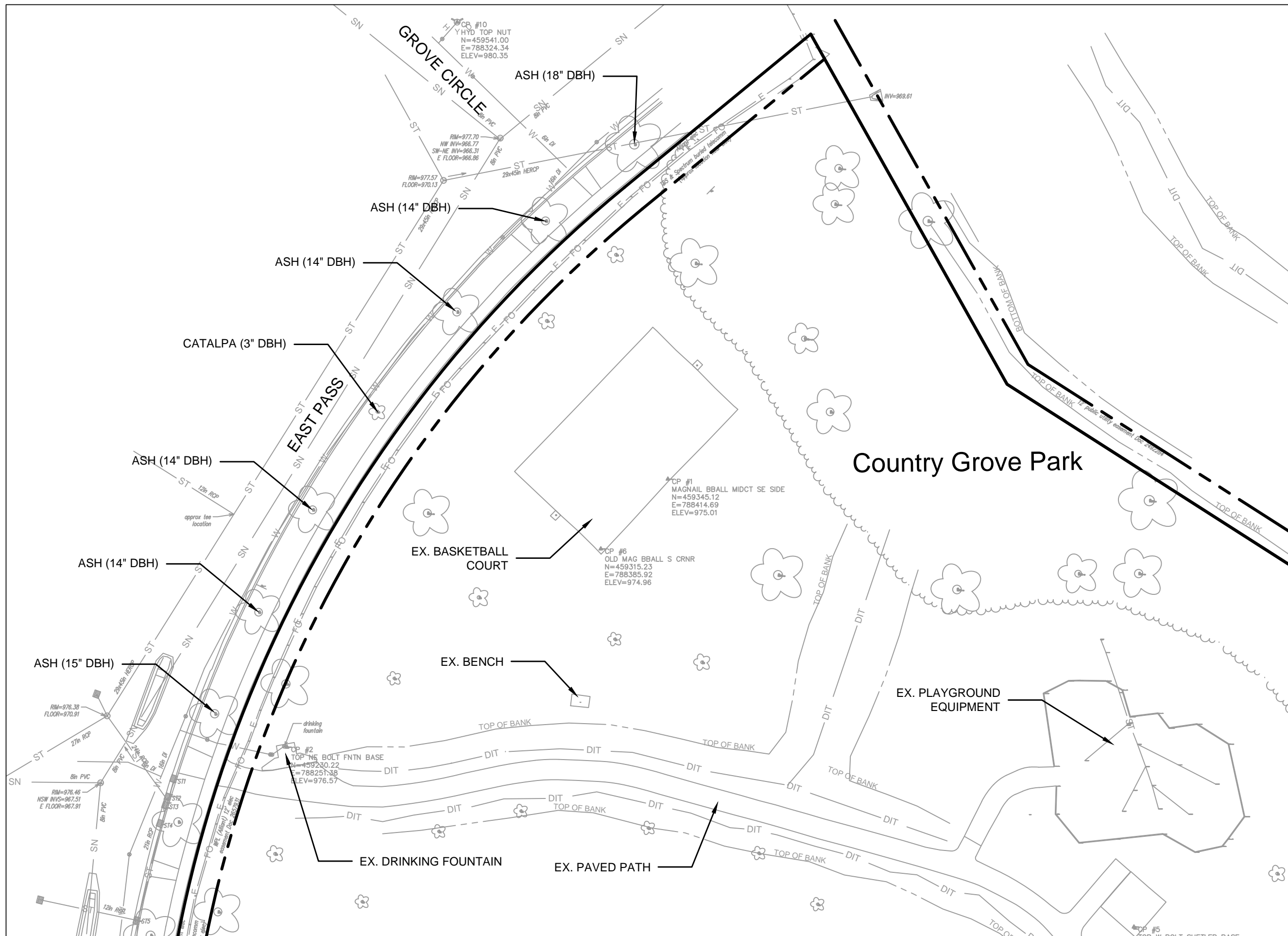
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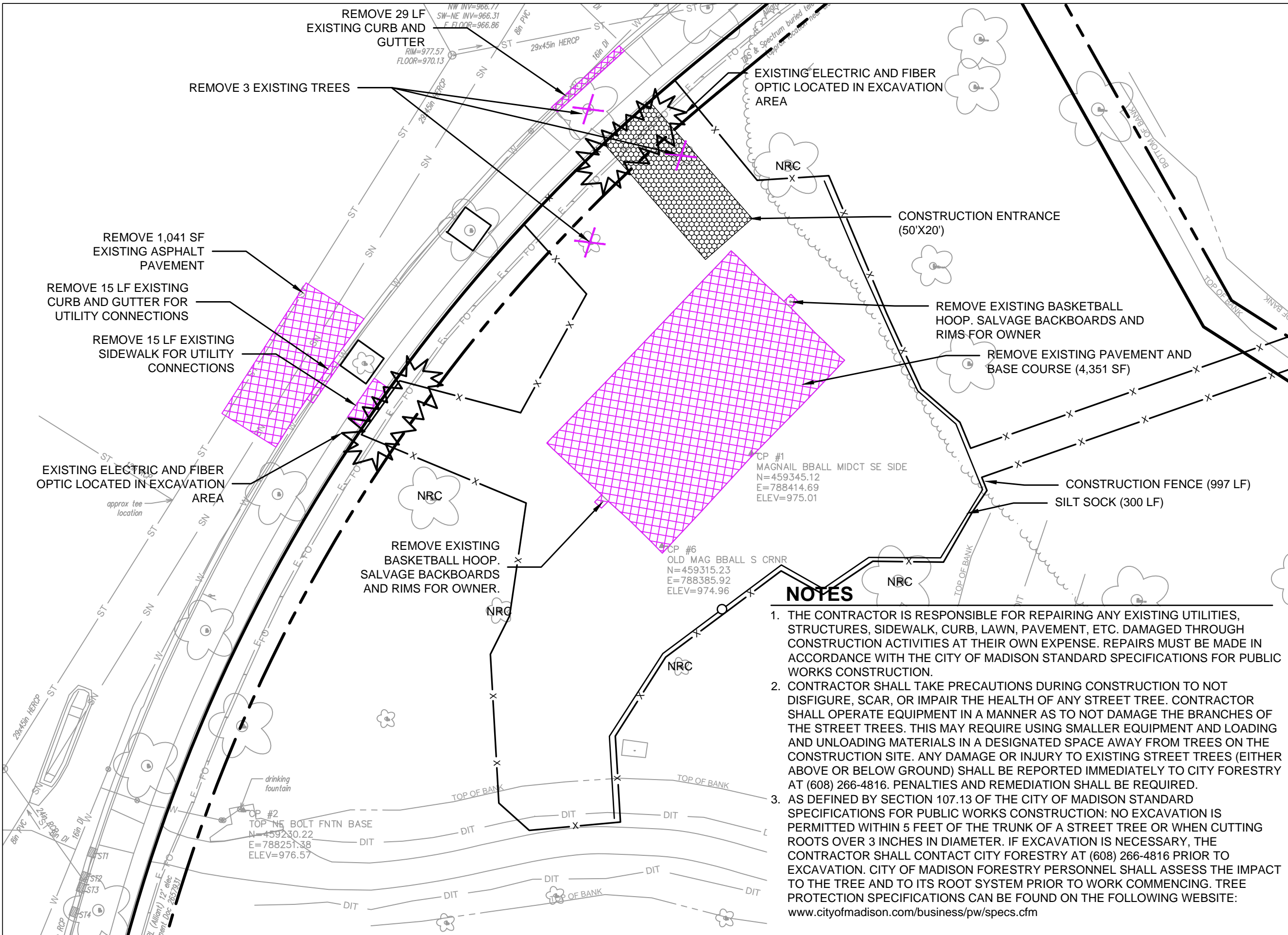
ITEM	DATE
BID SET	02-01-2024

PUBLIC WORKS PROJECT #:
9359

SHEET TITLE:
EXISTING CONDITIONS

SHEET NUMBER:
C1.2





City of Madison
 Department of Public Works
PARKS DIVISION
 330 E. Lakeside St.
 Madison, WI 53715

**play
 MADISON
 PARKS**

Graphical Scale
 0 30 N

PROJECT:
**COUNTRY GROVE
 PARK SHELTER**

PROJECT ADDRESS:
**7353 EAST PASS
 MADISON, WI**

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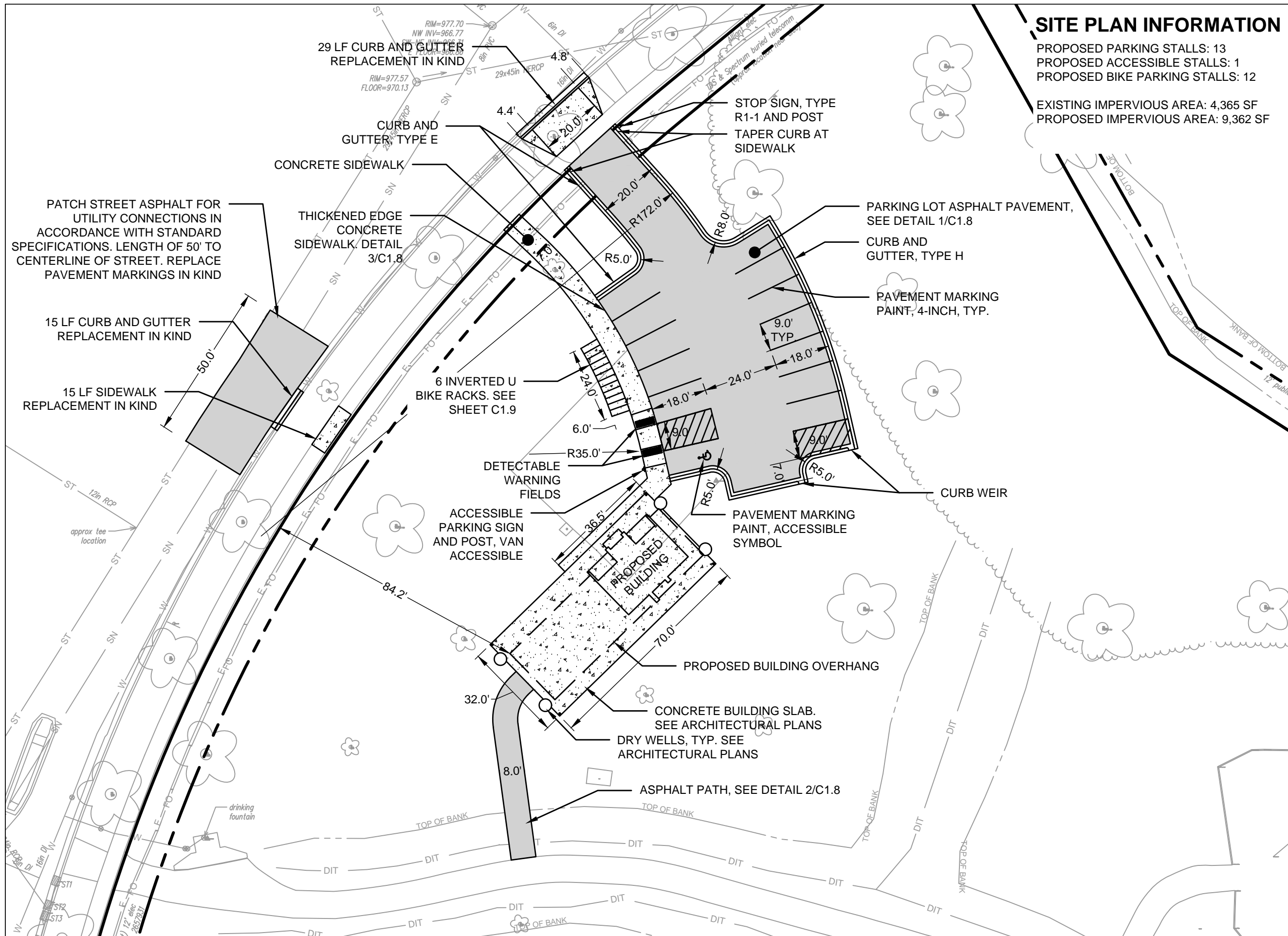
ITEM	DATE
BID SET	02-01-2024

PUBLIC WORKS PROJECT #:
9359

SHEET TITLE:
DEMOLITION PLAN

SHEET NUMBER:
C1.3

- NOTES**
1. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY EXISTING UTILITIES, STRUCTURES, SIDEWALK, CURB, LAWN, PAVEMENT, ETC. DAMAGED THROUGH CONSTRUCTION ACTIVITIES AT THEIR OWN EXPENSE. REPAIRS MUST BE MADE IN ACCORDANCE WITH THE CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
 2. CONTRACTOR SHALL TAKE PRECAUTIONS DURING CONSTRUCTION TO NOT DISFIGURE, SCAR, OR IMPAIR THE HEALTH OF ANY STREET TREE. CONTRACTOR SHALL OPERATE EQUIPMENT IN A MANNER AS TO NOT DAMAGE THE BRANCHES OF THE STREET TREES. THIS MAY REQUIRE USING SMALLER EQUIPMENT AND LOADING AND UNLOADING MATERIALS IN A DESIGNATED SPACE AWAY FROM TREES ON THE CONSTRUCTION SITE. ANY DAMAGE OR INJURY TO EXISTING STREET TREES (EITHER ABOVE OR BELOW GROUND) SHALL BE REPORTED IMMEDIATELY TO CITY FORESTRY AT (608) 266-4816. PENALTIES AND REMEDIATION SHALL BE REQUIRED.
 3. AS DEFINED BY SECTION 107.13 OF THE CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION: NO EXCAVATION IS PERMITTED WITHIN 5 FEET OF THE TRUNK OF A STREET TREE OR WHEN CUTTING ROOTS OVER 3 INCHES IN DIAMETER. IF EXCAVATION IS NECESSARY, THE CONTRACTOR SHALL CONTACT CITY FORESTRY AT (608) 266-4816 PRIOR TO EXCAVATION. CITY OF MADISON FORESTRY PERSONNEL SHALL ASSESS THE IMPACT TO THE TREE AND TO ITS ROOT SYSTEM PRIOR TO WORK COMMENCING. TREE PROTECTION SPECIFICATIONS CAN BE FOUND ON THE FOLLOWING WEBSITE: www.cityofmadison.com/business/pw/specs.cfm

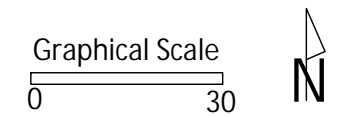


SITE PLAN INFORMATION

PROPOSED PARKING STALLS: 13
 PROPOSED ACCESSIBLE STALLS: 1
 PROPOSED BIKE PARKING STALLS: 12

EXISTING IMPERVIOUS AREA: 4,365 SF
 PROPOSED IMPERVIOUS AREA: 9,362 SF

City of Madison
 Department of Public Works
PARKS DIVISION
 330 E. Lakeside St.
 Madison, WI 53715



PROJECT:
COUNTRY GROVE PARK SHELTER

PROJECT ADDRESS:
**7353 EAST PASS
 MADISON, WI**

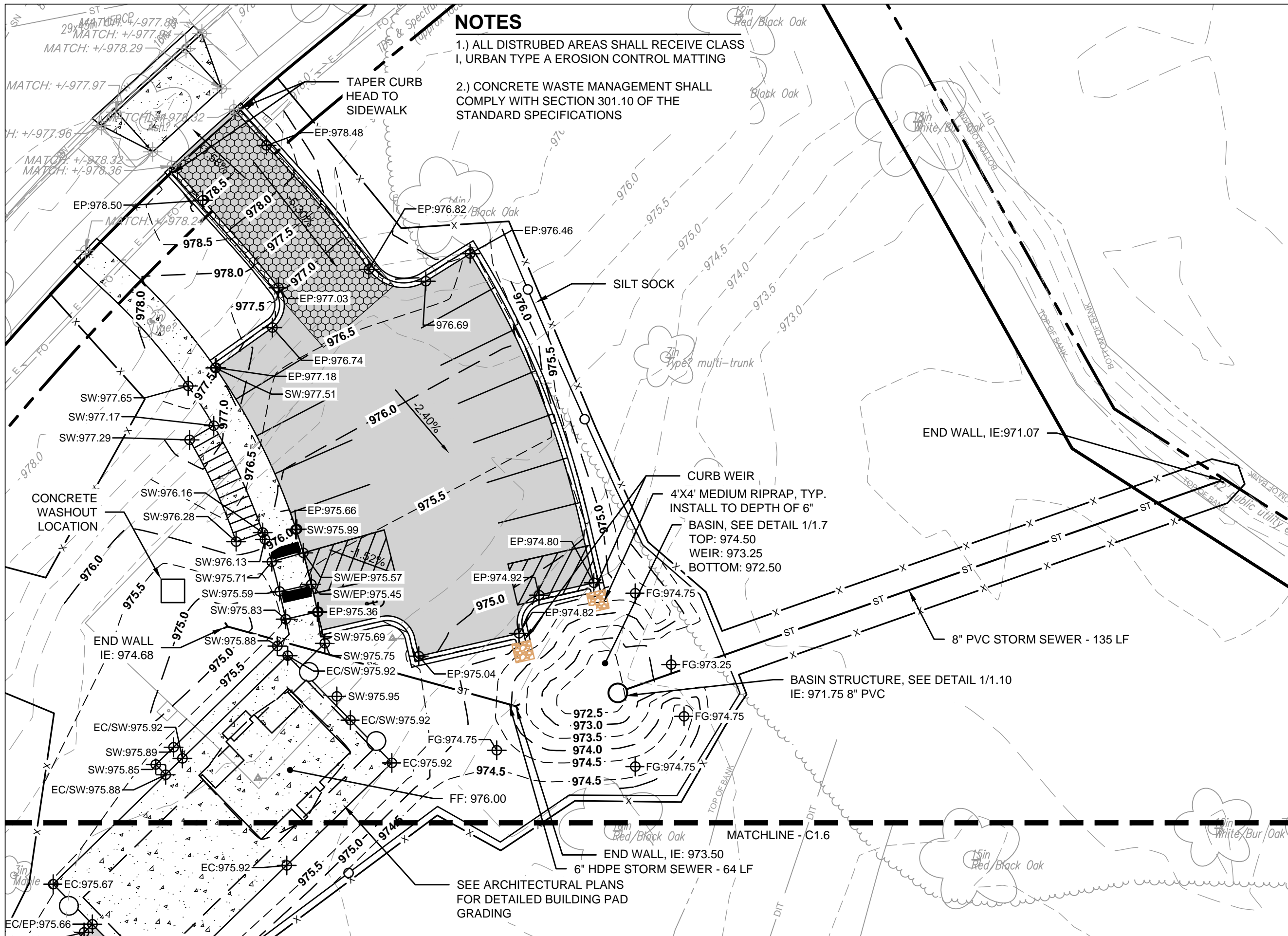
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PUBLIC WORKS PROJECT #:
9359

SHEET TITLE:
SITE PLAN

SHEET NUMBER:
C1.4

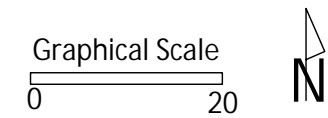


NOTES

- 1.) ALL DISTURBED AREAS SHALL RECEIVE CLASS I, URBAN TYPE A EROSION CONTROL MATTING
- 2.) CONCRETE WASTE MANAGEMENT SHALL COMPLY WITH SECTION 301.10 OF THE STANDARD SPECIFICATIONS

City of Madison
 Department of Public Works
PARKS DIVISION
 330 E. Lakeside St.
 Madison, WI 53715

play
MADISON
PARKS



PROJECT:
**COUNTRY GROVE
 PARK SHELTER**

PROJECT ADDRESS:
**7353 EAST PASS
 MADISON, WI**

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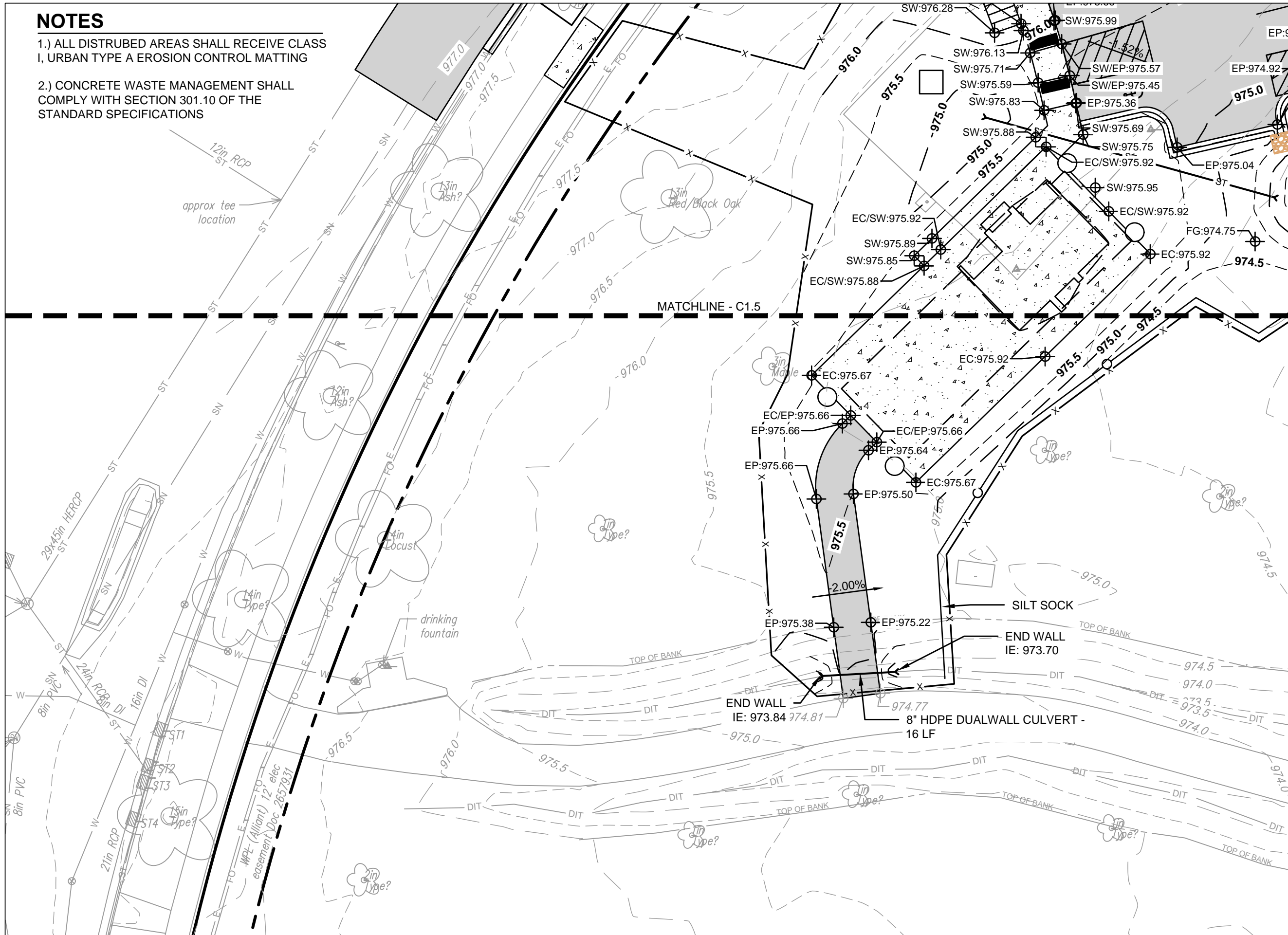
PUBLIC WORKS PROJECT #:
9359

SHEET TITLE:
**GRADING AND
 EROSION CONTROL
 PLAN**

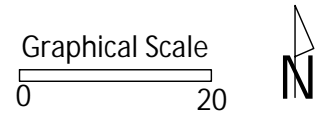
SHEET NUMBER:
C1.5

NOTES

- 1.) ALL DISTURBED AREAS SHALL RECEIVE CLASS I, URBAN TYPE A EROSION CONTROL MATTING
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City of Madison
 Department of Public Works
PARKS DIVISION
 330 E. Lakeside St.
 Madison, WI 53715



PROJECT:
**COUNTRY GROVE
 PARK SHELTER**

PROJECT ADDRESS:
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 MADISON, WI**

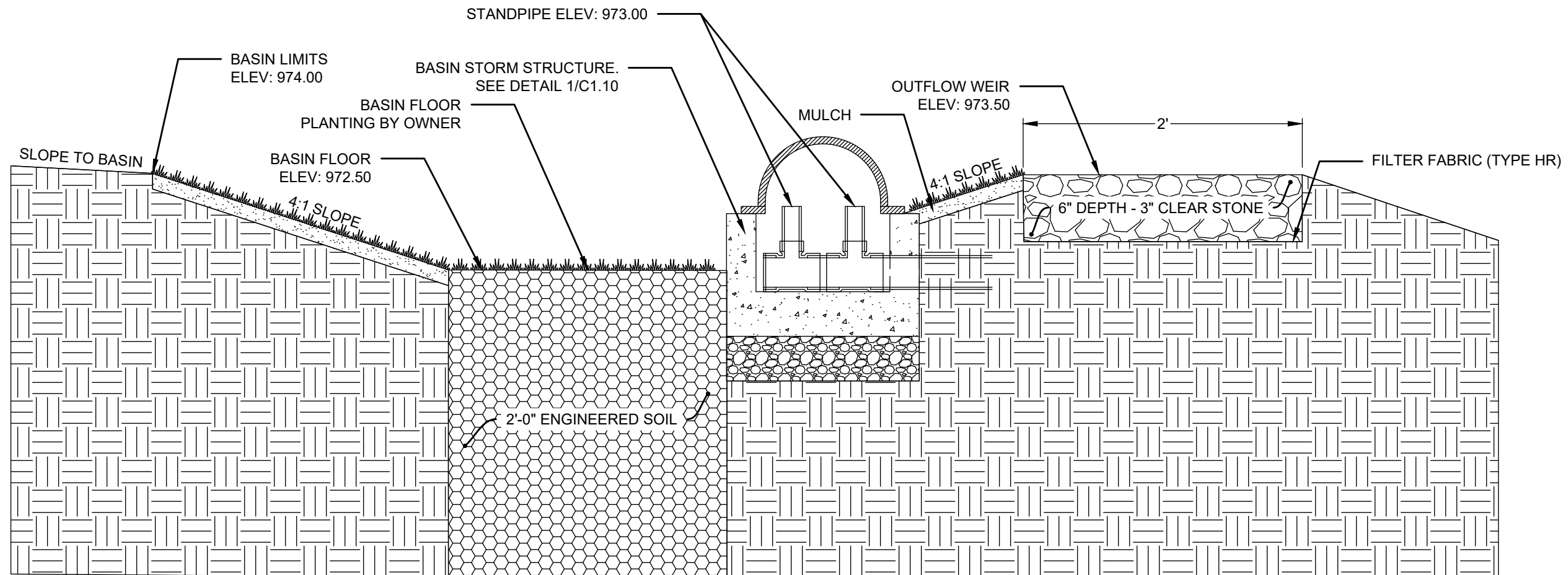
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9359

SHEET TITLE:
**GRADING AND
 EROSION CONTROL
 PLAN**

SHEET NUMBER:
C1.6



NOTE:
 ENGINEERED SOIL: SEE STANDARD SPECIFICATIONS
 70-85% PRE WASHED COURSE SAND
 15-30% COMPOST PER SPECIAL PROVISIONS

BACKFILL WITH MATERIAL AT OR ABOVE
 AN INFILTRATION RATE OF 1.63 IN/HR
 (EXAMPLE: SAND). SUBMIT MATERIAL
 SPECIFICATION TO ENGINEER FOR
 APPROVAL PRIOR TO PLACEMENT

OVER EXCAVATE UNTIL NATIVE SAND
 LAYER IS ENCOUNTERED
 EXPECTED ELEV: 966.20

VARIES - SEE PLAN

1 BIO-RETENTION BASIN X-SEC (TYP)
 NTS

PROJECT:
**COUNTRY GROVE
 PARK SHELTER**

PROJECT ADDRESS:
**7353 EAST PASS
 MADISON, WI**

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ITEM	DATE
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PUBLIC WORKS PROJECT #:
9359

SHEET TITLE:
BASIN DETAIL

SHEET NUMBER:
C1.7

PROJECT:

*COUNTRY GROVE
 PARK SHELTER*

PROJECT ADDRESS:

*7353 EAST PASS
 MADISON, WI*

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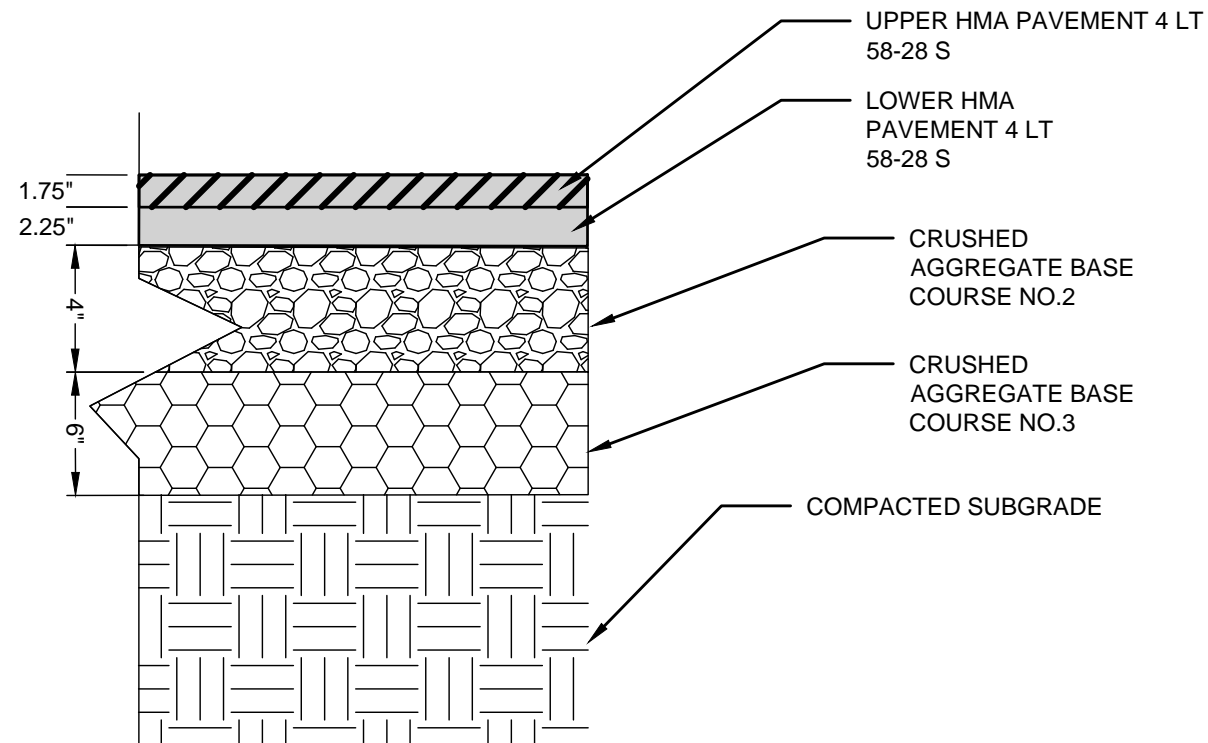
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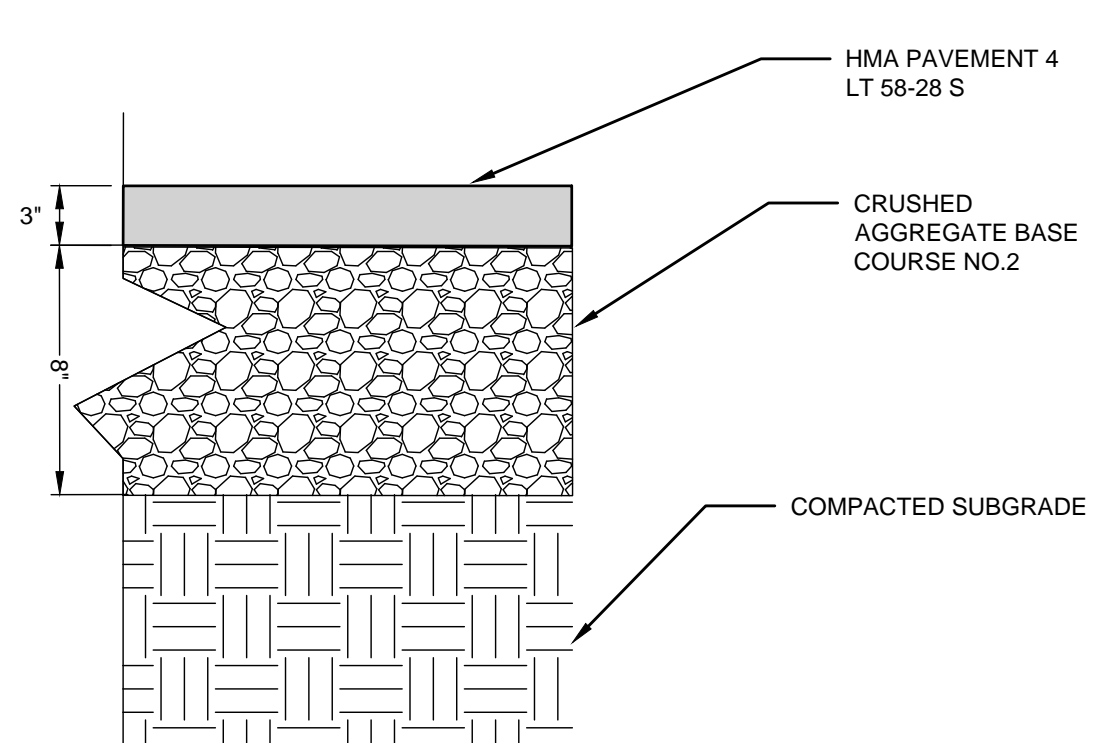
SHEET TITLE:
*PAVEMENT SECTION
 DETAILS*

SHEET NUMBER:

C1.8



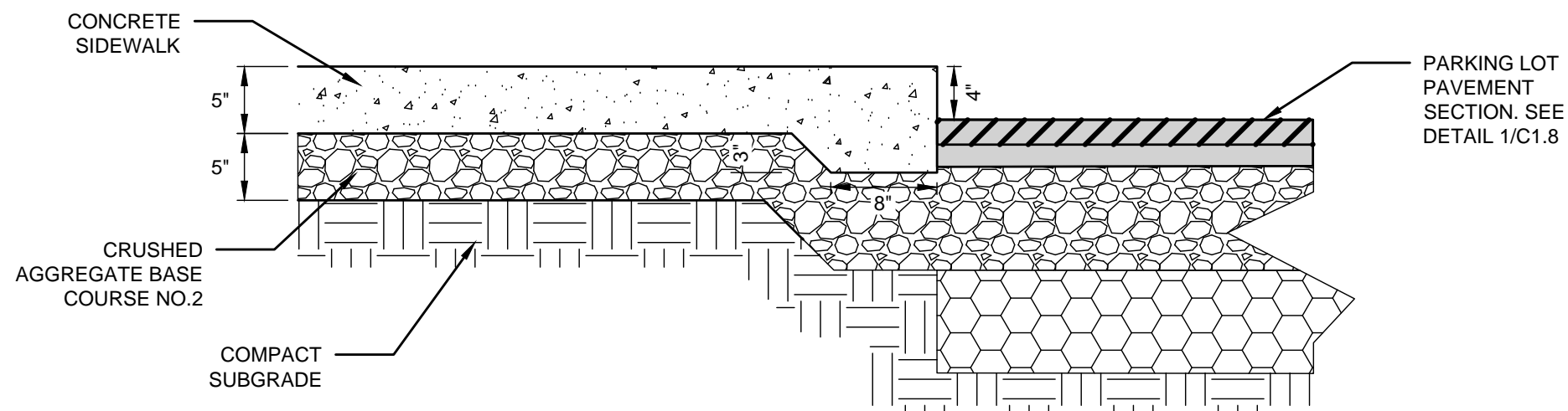
NOTE:
 1. IF ANY DISCREPANCIES BETWEEN THIS DETAIL AND GEOTECHNICAL REPORT RECOMMENDATIONS EXIST, THE GEOTECHNICAL REPORT SHALL GOVERN.



NOTE:
 1. IF ANY DISCREPANCIES BETWEEN THIS DETAIL AND GEOTECHNICAL REPORT RECOMMENDATIONS EXIST, THE GEOTECHNICAL REPORT SHALL GOVERN.

1 PARKING LOT ASPHALT PAVEMENT SECTION
 NTS

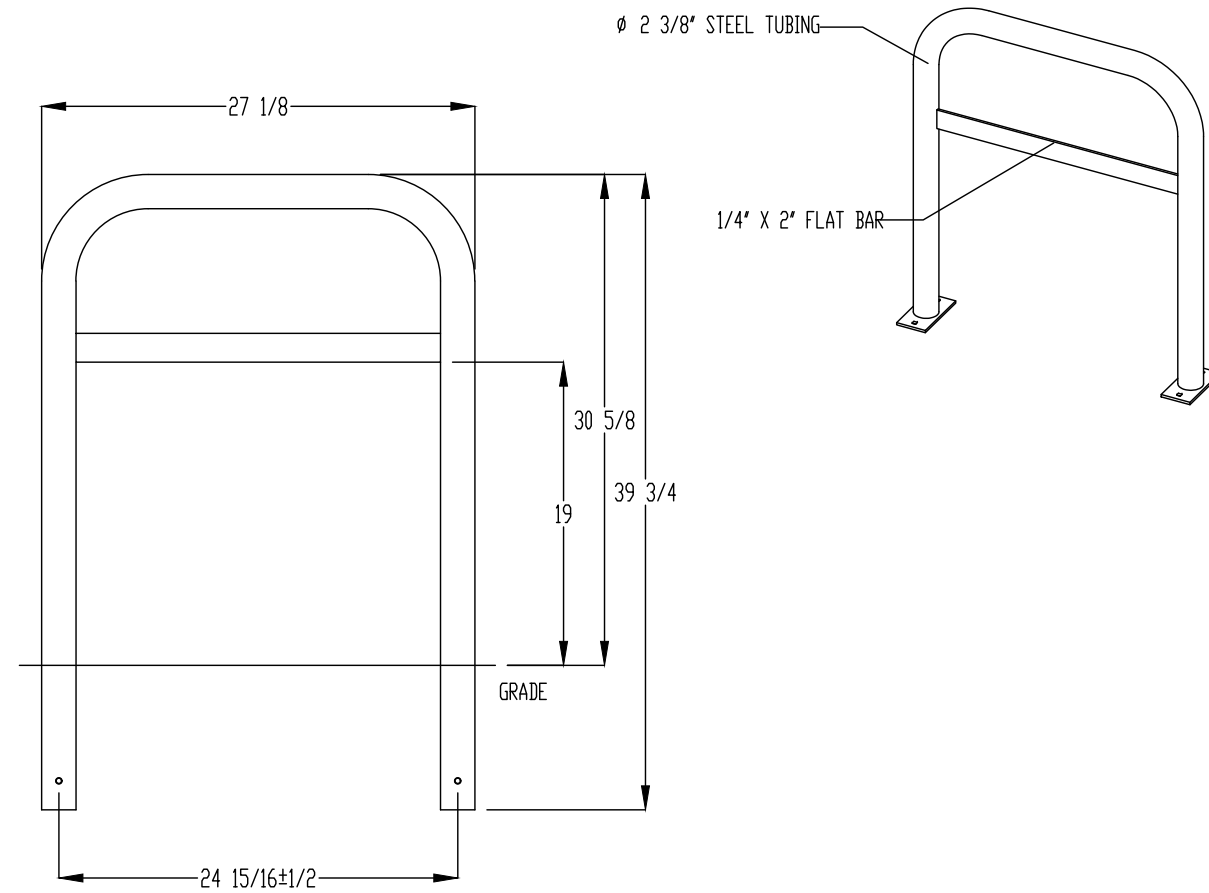
2 PATH ASPHALT PAVEMENT SECTION
 NTS



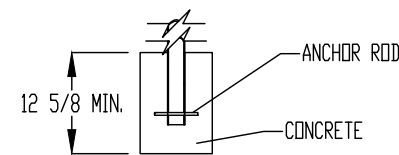
3 THICKENED EDGE SIDEWALK
 NTS



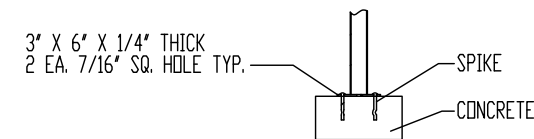
MADRAX DIVISION
 GRABER MANUFACTURING, INC.
 1080 UNIEK DRIVE
 WAUNAKEE, WI 53597
 P(800) 448-7931, P(608) 849-1080, F(608) 849-1081
 WWW.MADRAX.COM, E-MAIL: SALES@MADRAX.COM



CHECK DESIRED MOUNT



IN GROUND MOUNT (IG)



SURFACE FLANGE MOUNT (SF)

PRODUCT: UX238-LB-IG(SF)
 DESCRIPTION: 'U' BIKE RACK WITH LEAN BAR
 2 BIKE, SURFACE OR IN GROUND MOUNT
 DATE: 10-5-18
 ENG: SMC

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- NOTES:
1. INSTALL BIKE RACKS ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
 2. CONSULTANT TO SELECT COLOR (FINISH), SEE MANUFACTURER'S SPECIFICATIONS.
 3. SEE SITE PLAN FOR LOCATION OR CONSULT OWNER.

City of Madison
 Department of Public Works
PARKS DIVISION
 330 E. Lakeside St.
 Madison, WI 53715

play
**MADISON
 PARKS**

PROJECT:

*COUNTRY GROVE
 PARK SHELTER*

PROJECT ADDRESS:

*7353 EAST PASS
 MADISON, WI*

Although every effort has been made in preparing these plans and checking them for accuracy, the contractor and subcontractors must check all details and dimensions of their trade and be responsible for the same.

ITEM	DATE
BID SET	02-01-2024

PUBLIC WORKS PROJECT #:
9359

SHEET TITLE:
*BIKE RACK
 DETAIL*

SHEET NUMBER:
C1.9

City of Madison
 Department of Public Works
PARKS DIVISION
 330 E. Lakeside St.
 Madison, WI 53715



PROJECT:

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PROJECT ADDRESS:

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 MADISON, WI*

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ITEM	DATE
BID SET	02-01-2024

PUBLIC WORKS PROJECT #:

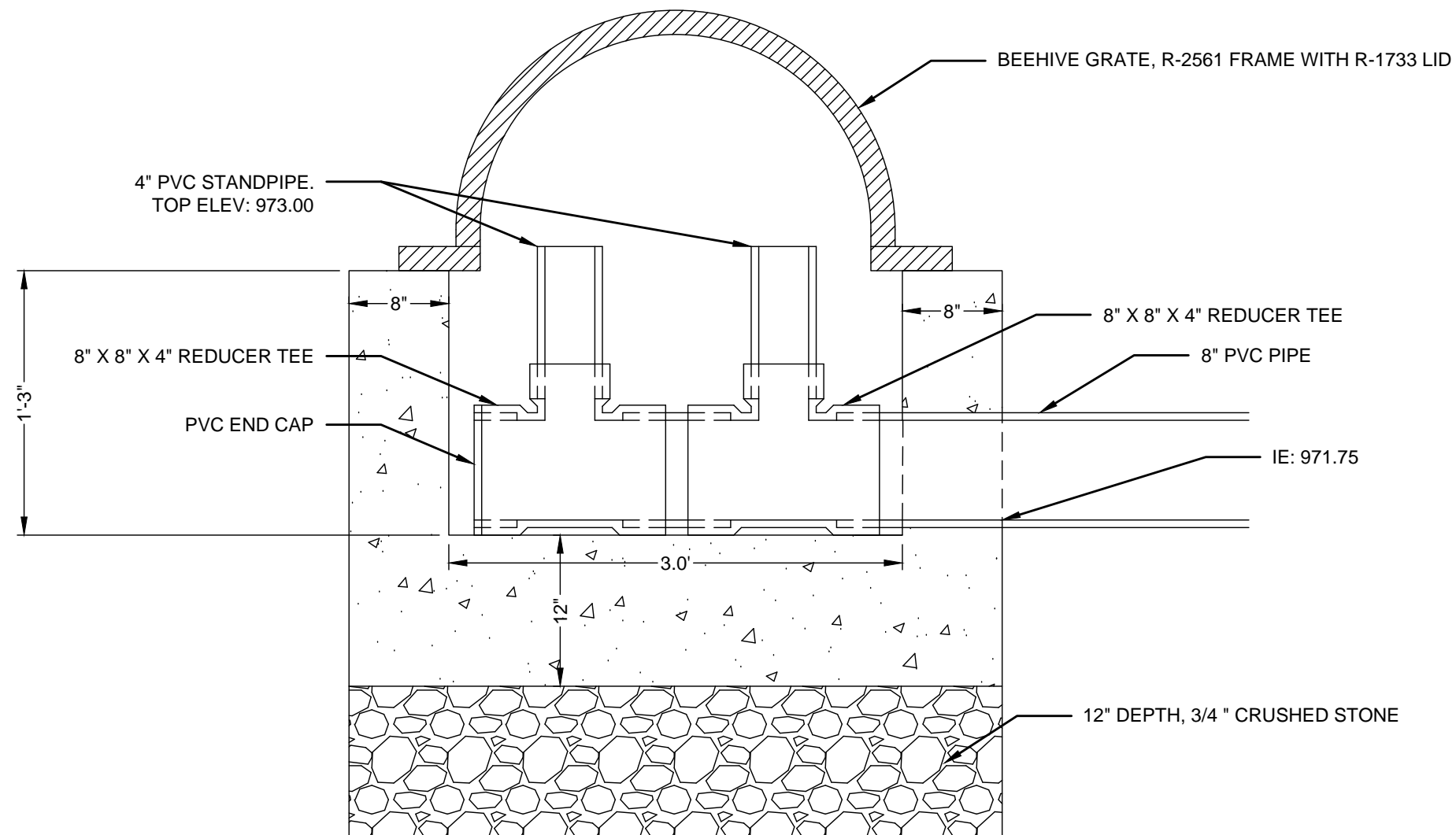
9359

SHEET TITLE:

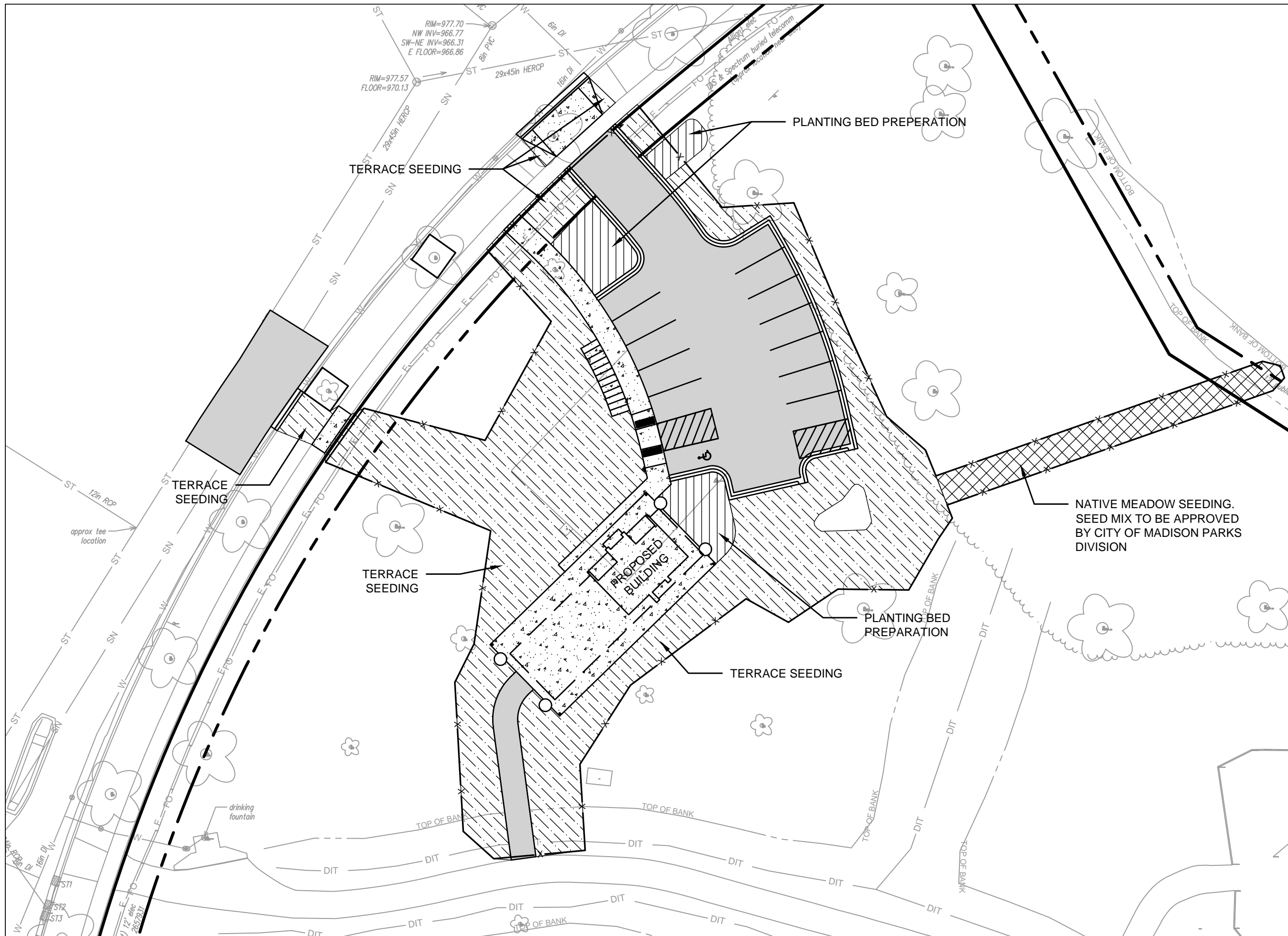
*STORM STRUCTURE
 DETAIL*

SHEET NUMBER:

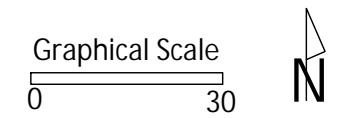
C1.10



1 BIO-RETENTION BASIN STORM STRUCTURE
 NTS



City of Madison
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PARKS DIVISION
 330 E. Lakeside St.
 Madison, WI 53715



PROJECT:
**COUNTRY GROVE
 PARK SHELTER**

PROJECT ADDRESS:
**7353 EAST PASS
 MADISON, WI**

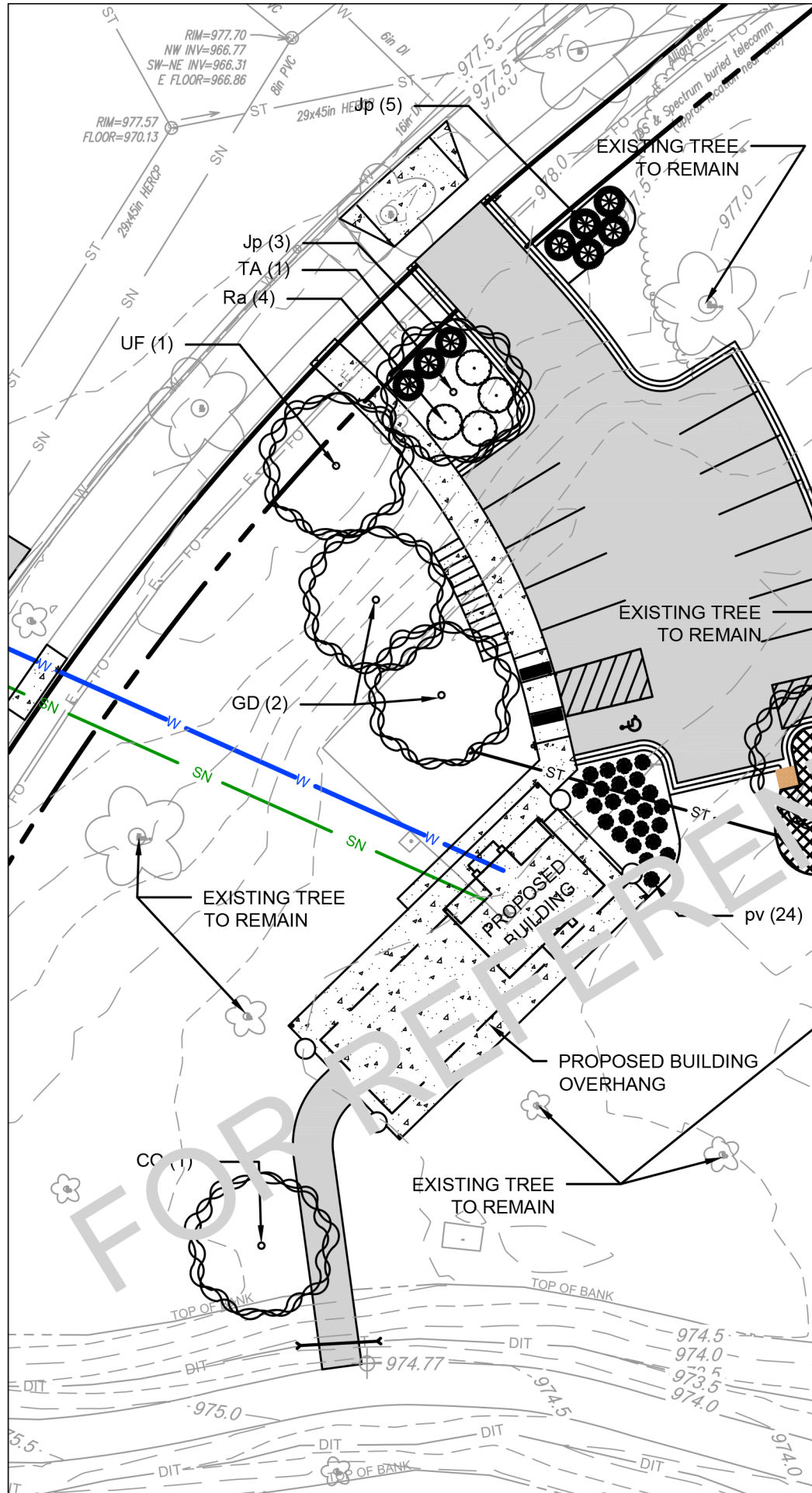
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ITEM	DATE
BID SET	02-01-2024

PUBLIC WORKS PROJECT #:
9359

SHEET TITLE:
**SITE RESTORATION
 PLAN**

SHEET NUMBER:
C1.11

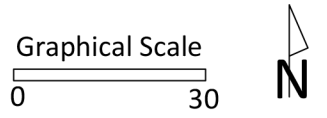


NOTES

1. CONTRACTOR SHALL TAKE PRECAUTIONS DURING CONSTRUCTION TO NOT DISFIGURE, SCAR, OR IMPAIR THE HEALTH OF ANY STREET TREE. CONTRACTOR SHALL OPERATE EQUIPMENT IN A MANNER AS TO NOT DAMAGE THE BRANCHES OF THE STREET TREES. THIS MAY REQUIRE USING SMALLER EQUIPMENT AND LOADING AND UNLOADING MATERIALS IN A DESIGNATED SPACE AWAY FROM TREES ON THE CONSTRUCTION SITE. ANY DAMAGE OR INJURY TO EXISTING STREET TREES (EITHER ABOVE OR BELOW GROUND) SHALL BE REPORTED IMMEDIATELY TO CITY FORESTRY AT (608) 266-4816. PENALTIES AND REMEDIATION SHALL BE REQUIRED.
2. AS DEFINED BY SECTION 107.13 OF THE CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION: NO EXCAVATION IS PERMITTED WITHIN 5 FEET OF THE TRUNK OF A STREET TREE OR WHEN CUTTING ROOTS OVER 3 INCHES IN DIAMETER. IF EXCAVATION IS NECESSARY, THE CONTRACTOR SHALL CONTACT CITY FORESTRY AT (608) 266-4816 PRIOR TO EXCAVATION. CITY OF MADISON FORESTRY PERSONNEL SHALL ASSESS THE IMPACT TO THE TREE AND TO ITS ROOT SYSTEM PRIOR TO WORK COMMENCING. TREE PROTECTION SPECIFICATIONS CAN BE FOUND ON THE FOLLOWING WEBSITE: www.cityofmadison.com/business/pw/specs.cfm
3. SECTION 107.13(g) OF CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION ADDRESSES SOIL COMPACTION NEAR STREET TREES AND SHALL BE FOLLOWED BY THE CONTRACTOR. THE STORAGE OF PARKED VEHICLES, CONSTRUCTION EQUIPMENT, BUILDING MATERIALS, REFUSE, EXCAVATED SPOILS OR DUMPING OF POISONOUS MATERIALS ON OR AROUND TREES AND ROOTS WITHIN FIVE (5) FEET OF THE TREE OR WITHIN THE PROTECTION ZONE IS PROHIBITED.
4. STREET TREE PRUNING SHALL BE COORDINATED WITH CITY FORESTRY AT A MINIMUM OF TWO WEEKS PRIOR TO THE START OF CONSTRUCTION FOR THIS PROJECT. CONTACT CITY FORESTRY (608) 266-4816. ALL PRUNING SHALL FOLLOW THE AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) A300-PART 1 STANDARDS FOR PRUNING.

City of Madison
 Department of Public Works
PARKS DIVISION
 330 E. Lakeside St.
 Madison, WI 53715

play
MADISON
PARKS



PROJECT:
COUNTRY GROVE
PARK SHELTER

PROJECT ADDRESS:
7353 EAST PASS
MADISON, WI

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ITEM	DATE
SITE PLAN APPROVAL SUBMITTAL	10-12-2023
REVISED	12-14-2023
REVISED	01-02-2024

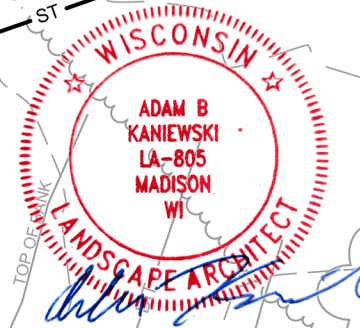
PUBLIC WORKS PROJECT #:
9359

SHEET TITLE:
LANDSCAPE PLAN
(FOR REFERENCE ONLY)

SHEET NUMBER:
L1.0

LANDSCAPE POINTS CALCULATION
 DEVELOPED AREA: 11,646 SQ. FT.
 LANDSCAPE POINTS REQUIRED: 195

Landscape Points Plant Type	Points	Existing		Proposed	
		Quantity	Points	Quantity	Points
Overstory deciduous tree	35		0	6	210
Tall evergreen	35		0		0
Ornamental	15		0		0
Upright evergreen shrub	10		0		0
Shrub, deciduous	3		0	4	12
Shrub, evergreen	4		0	8	32
Ornamental grasses/perennials	2		0	24	48
Ornamental/decorative fencing	4/10 ln ft		0		0
Existing specimen tree	max 200		0		0
Landscape furniture	5		0		0
Subtotals			0		302



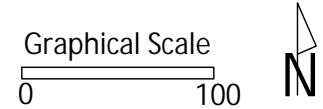
Country Grove Park Shelter - Plant List

Deciduous Shade Trees							
Key	Scientific	Common	Root Cond	Size	Full Height	Full Spread	Qty
CO	Celtis occidentalis 'Windy City'	Windy City Hackberry	B&B	2.5" Cal.	40-50'	30'-40'	1
GD	Gymnocladus dioica 'Espresso'	Espresso Kentucky Coffee Tree	B&B	2.5" Cal.	40-50'	30'-40'	2
TA	Tilia americana 'Kromm' PPAF	Frontyard Linden	B&B	2.5" Cal.	40-50'	30'-40'	1
UF	Ulmus x 'Frontier'	Frontier Elm	B&B	2.5" Cal.	40-50'	30'-40'	2
Shrubs							
Key	Scientific	Common	Root Cond	Size	Full Height	Full Spread	Qty
Ra	Rhus aromatica 'Grow-low'	Grow Low Sumac	Cont	#3	2-3'	5'	4
Jp	Juniperus x pfitzeriana 'Sea Green'	Sea Green Juniper	Cont	#3	4-5'	5-6'	8
Perennials							
Key	Scientific	Common	Root Cond	Size	Full Height	Full Spread	Qty
pv	Panicum virgatum 'Heavy Metal'	Heavy Metal Switchgrass	Cont	#1	3-4'	3'	24



City of Madison
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play
**MADISON
 PARKS**



PROJECT:
***COUNTRY GROVE
 PARK SHELTER***

PROJECT ADDRESS:
***7353 EAST PASS
 MADISON, WI***

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ITEM	DATE
BID SET	02-01-2024

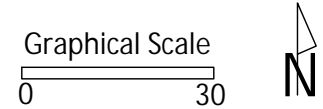
PUBLIC WORKS PROJECT #:
9359

SHEET TITLE:
COURTS LOCATION

SHEET NUMBER:
C2.0

City of Madison
 Department of Public Works
PARKS DIVISION
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 Madison, WI 53715

play
**MADISON
 PARKS**



PROJECT:

*COUNTRY GROVE
 PARK SHELTER*

PROJECT ADDRESS:

*7353 EAST PASS
 MADISON, WI*

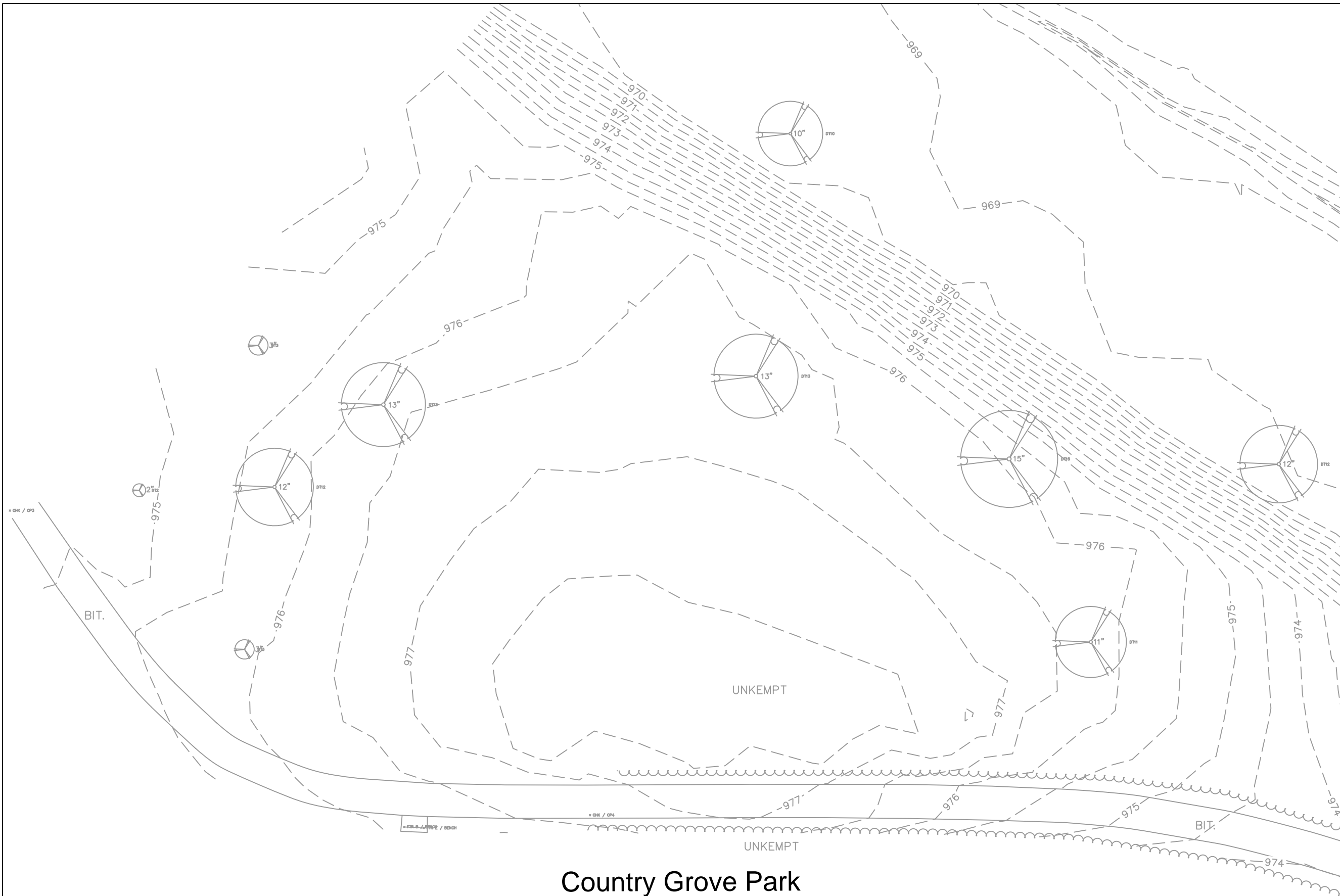
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ITEM	DATE
BID SET	02-01-2024

PUBLIC WORKS PROJECT #:
9359

SHEET TITLE:
EXISTING CONDITIONS

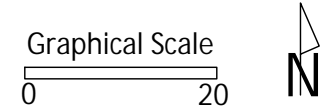
SHEET NUMBER:
C2.1



Country Grove Park

City of Madison
 Department of Public Works
PARKS DIVISION
 330 E. Lakeside St.
 Madison, WI 53715

play
**MADISON
 PARKS**



PROJECT:

*COUNTRY GROVE
 PARK SHELTER*

PROJECT ADDRESS:

*7353 EAST PASS
 MADISON, WI*

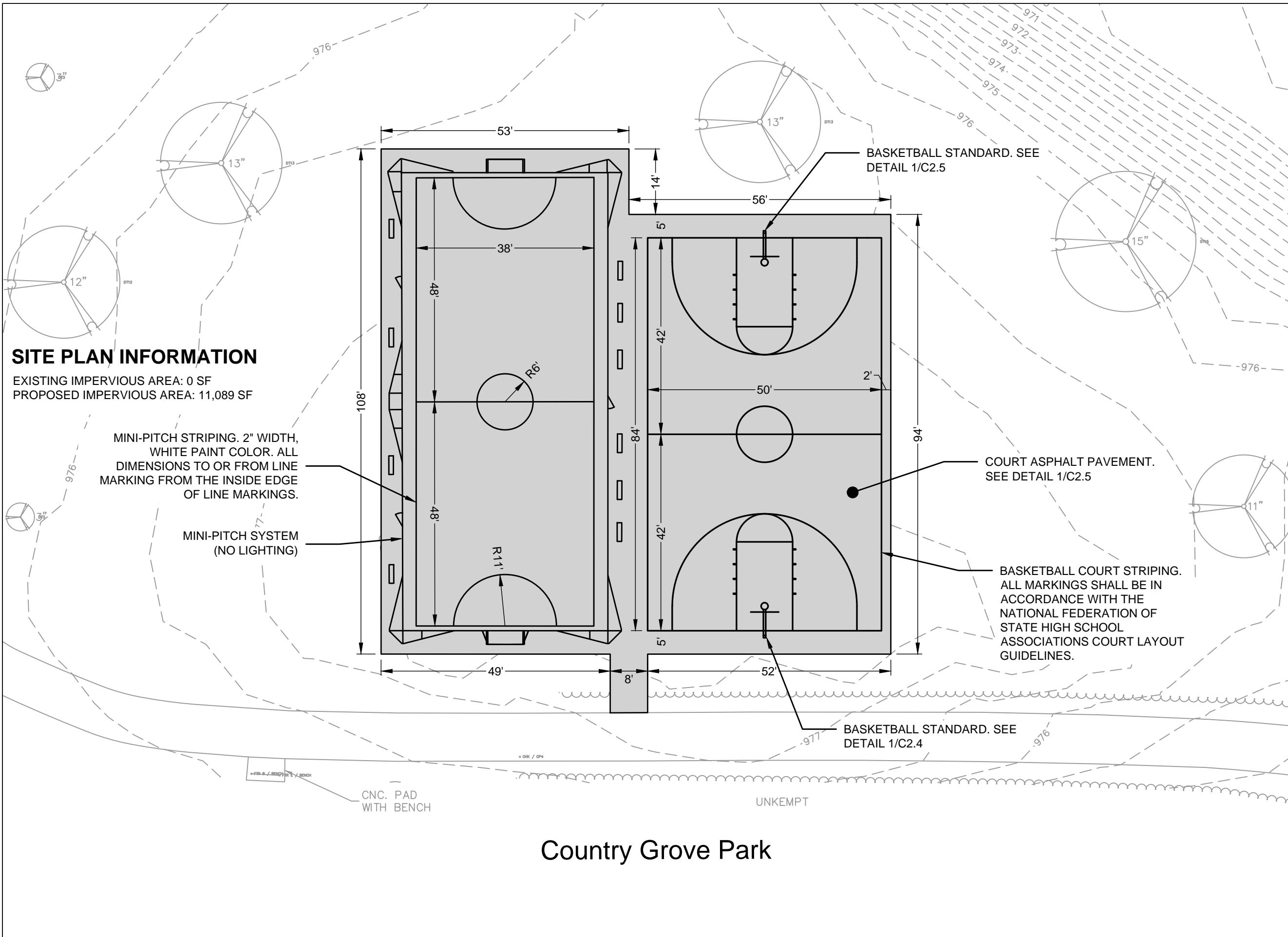
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ITEM	DATE
BID SET	02-01-2024

PUBLIC WORKS PROJECT #:
9359

SHEET TITLE:
SITE PLAN

SHEET NUMBER:
C2.2



SITE PLAN INFORMATION

EXISTING IMPERVIOUS AREA: 0 SF
 PROPOSED IMPERVIOUS AREA: 11,089 SF

MINI-PITCH STRIPING. 2" WIDTH, WHITE PAINT COLOR. ALL DIMENSIONS TO OR FROM LINE MARKING FROM THE INSIDE EDGE OF LINE MARKINGS.

MINI-PITCH SYSTEM (NO LIGHTING)

COURT ASPHALT PAVEMENT. SEE DETAIL 1/C2.5

BASKETBALL COURT STRIPING. ALL MARKINGS SHALL BE IN ACCORDANCE WITH THE NATIONAL FEDERATION OF STATE HIGH SCHOOL ASSOCIATIONS COURT LAYOUT GUIDELINES.

BASKETBALL STANDARD. SEE DETAIL 1/C2.4

BASKETBALL STANDARD. SEE DETAIL 1/C2.5

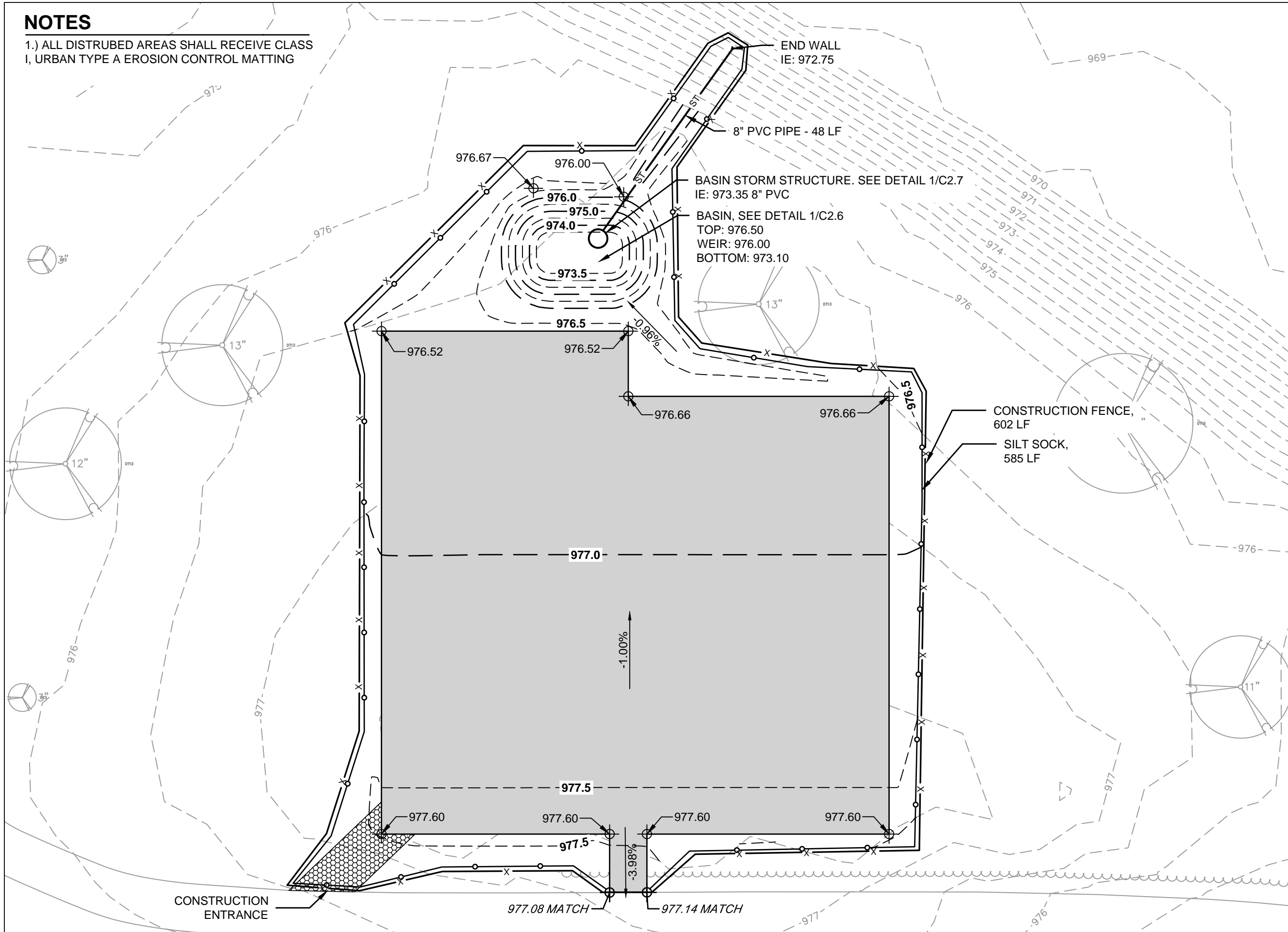
CNC. PAD WITH BENCH

UNKEMPT

Country Grove Park

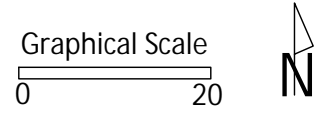
NOTES

1.) ALL DISTURBED AREAS SHALL RECEIVE CLASS I, URBAN TYPE A EROSION CONTROL MATTING



City of Madison
 Department of Public Works
PARKS DIVISION
 330 E. Lakeside St.
 Madison, WI 53715

play
**MADISON
 PARKS**



PROJECT:
**COUNTRY GROVE
 PARK SHELTER**

PROJECT ADDRESS:
**7353 EAST PASS
 MADISON, WI**

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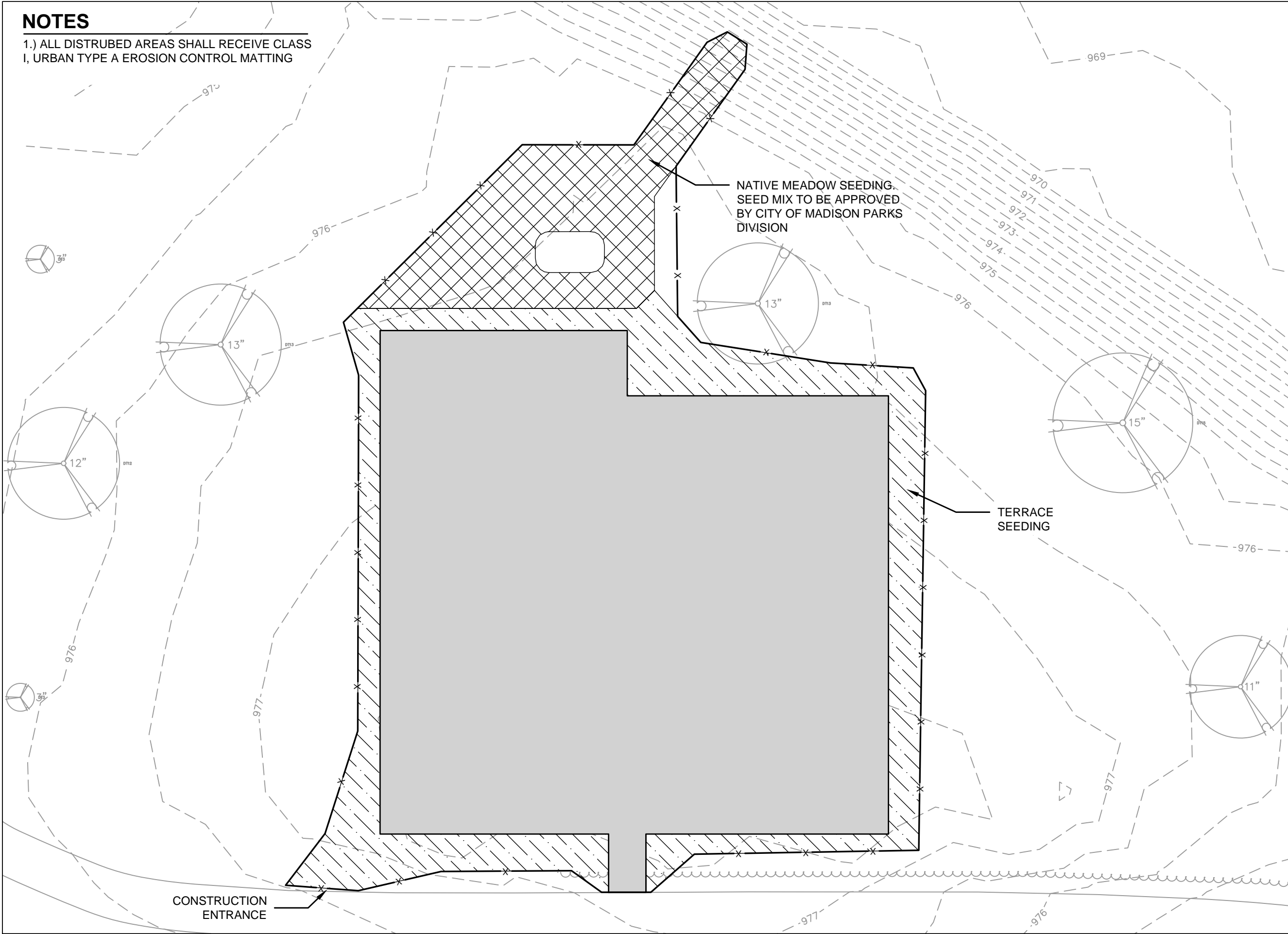
PUBLIC WORKS PROJECT #:
9359

SHEET TITLE:
**GRADING AND
 EROSION CONTROL
 PLAN**

SHEET NUMBER:
C2.3

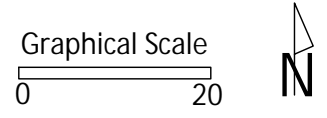
NOTES

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 Department of Public Works
PARKS DIVISION
 330 E. Lakeside St.
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play
**MADISON
 PARKS**



PROJECT:
**COUNTRY GROVE
 PARK SHELTER**

PROJECT ADDRESS:
**7353 EAST PASS
 MADISON, WI**

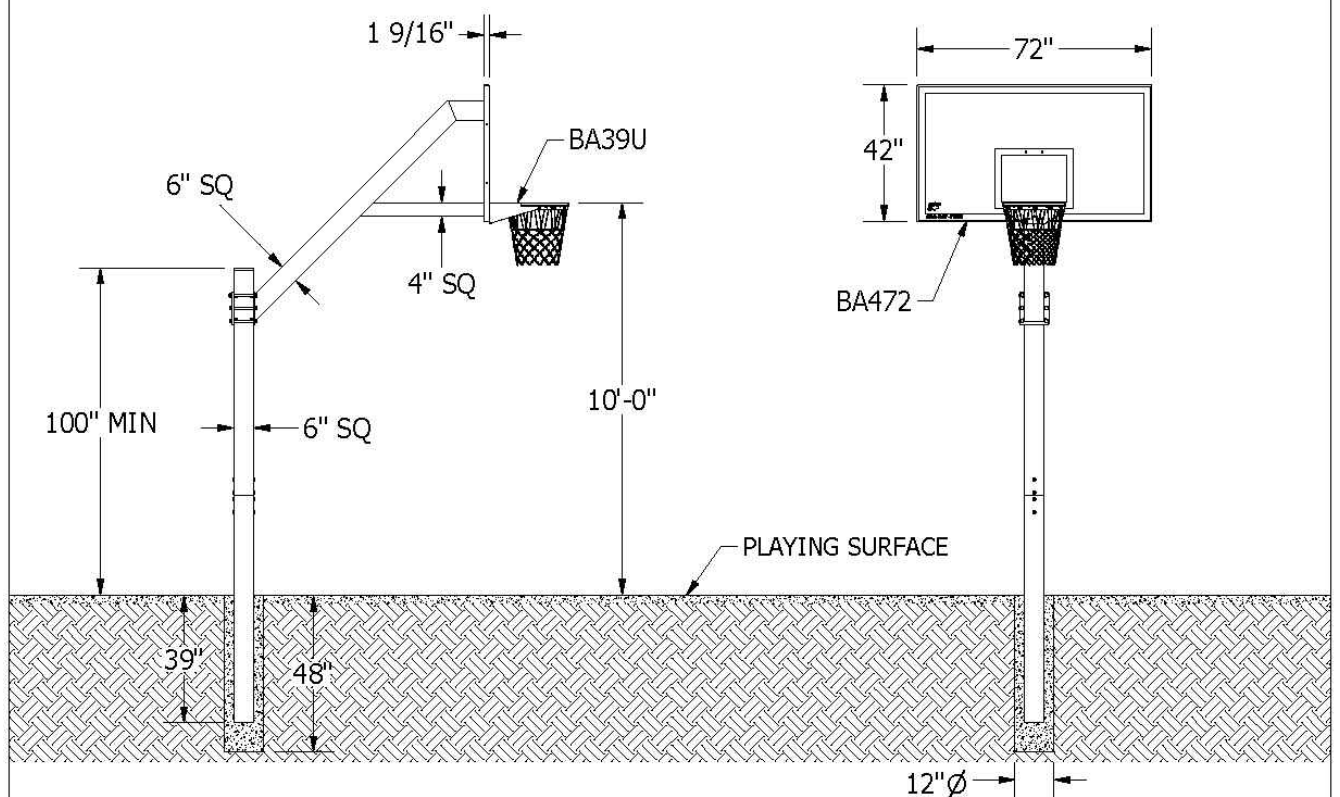
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ITEM	DATE
BID SET	02-01-2024

PUBLIC WORKS PROJECT #:
9359

SHEET TITLE:
**SITE RESTORATION
 PLAN**

SHEET NUMBER:
C2.4



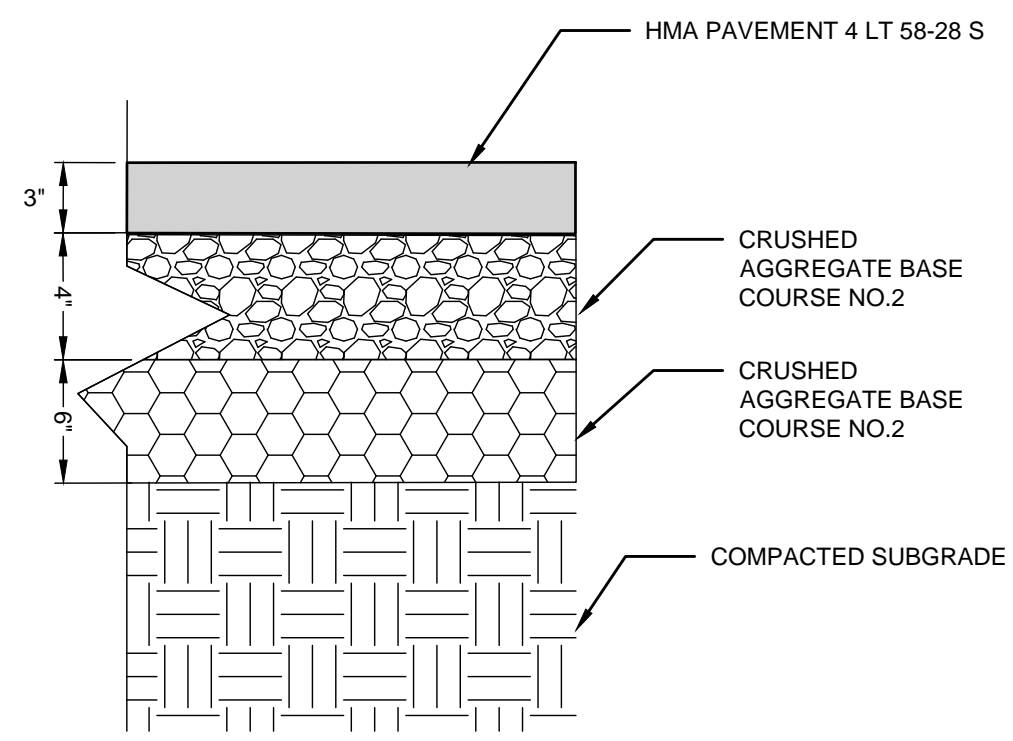
Pole assembly shall be constructed of 6" square, 3/16" wall structural steel tube suitable for a 39" in ground installation. Pole shall be shipped in 2 pieces and attached to the middle by means of two 3/8" x 3" x 12" steel bars, and eight 1/2" x 3/4" button head cap screws forming a single, straight, rigid pole. Connecting points shall be covered by pole padding if padding is included in the system. 45° extension arm shall be 6" square, 3/16" wall structural tube with a 4" square, 1/8" wall steel tube horizontal support and 1/4" thick steel backboard support plate. Pole shall be designed so that rim mounts directly to pole to minimize stress on the backboard. Extension arms shall be mounted by means of 6 each 5/8" grade 8 bolts. Pole systems shall provide a minimum setback from the front of the pole to front of the backboard of 72". Entire pole system shall have a textured black polyester powder coated finish and carry a lifetime functional warranty. Vertical pole shall be capped to keep out rain. Backboard shall be constructed of formed and welded steel with a 42" x 72" rectangular playing surface. Skin shall be 12 ga. mild steel and rear structures shall be 7 ga. and 10 ga. steel. All edges of the skin shall be formed in such a way that no shear edges are exposed. Boards with exposed shear edges shall not be considered equal. The backboard shall be coated with a white polyester powder coated finish and have an official-sized orange shooter's square. backboard shall carry an unconditional lifetime functional warranty. Rim shall consist of two 5/8" diameter high strength steel rings welded together at a minimum of six places. Back and side plates shall be 3/16" thick and be continuously welded. The net attachment slots suitable for nylon (included) or chain (optional) nets. Individual or continuous wire formed netlocks are not an acceptable equal. Rim shall have an unconditional lifetime warranty and orange powder coat finish. Installation to be completed in accordance to manufacturers instructions. Do not scale drawings. Entire system weight shall be 525#.



PRODUCT SPECIFICATION
 BA871XL-BK STEEL ULTIMATE PLAYGROUND BASKETBALL SYSTEM

REVISED 4/28/22 L.M.

603 L Street, Lincoln, NE 68508 - Phone: (800) 247-7668 - Fax: (800) 638-0698 - www.bisoninc.com - info@bisoninc.com



NOTE:
 1. IF ANY DISCREPANCIES BETWEEN THIS DETAIL AND GEOTECHNICAL REPORT RECOMMENDATIONS EXIST, THE GEOTECHNICAL REPORT SHALL GOVERN.

1 COURTS ASPHALT PAVEMENT SECTION
 NTS

City of Madison
 Department of Public Works
PARKS DIVISION
 330 E. Lakeside St.
 Madison, WI 53715

play
MADISON
PARKS

PROJECT:
COUNTRY GROVE
PARK SHELTER

PROJECT ADDRESS:
7353 EAST PASS
MADISON, WI

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ITEM	DATE
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PUBLIC WORKS PROJECT #:
9359

SHEET TITLE:
COURT DETAILS

SHEET NUMBER:
C2.5



PROJECT:

*COUNTRY GROVE
 PARK SHELTER*

PROJECT ADDRESS:

*7353 EAST PASS
 MADISON, WI*

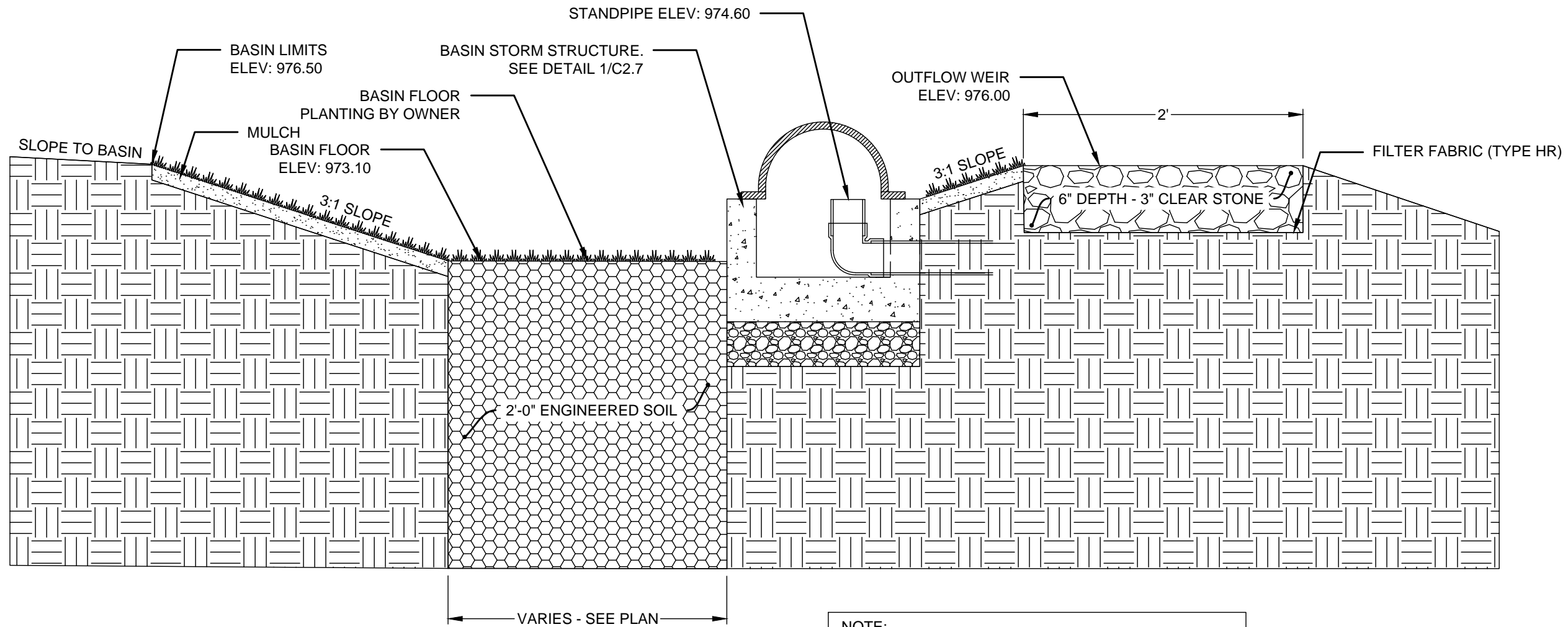
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ITEM	DATE
BID SET	02-01-2024

PUBLIC WORKS PROJECT #:
9359

SHEET TITLE:
COURT BASIN DETAIL

SHEET NUMBER:
C2.6



NOTE:
 ENGINEERED SOIL: SEE STANDARD SPECIFICATIONS
 70-85% PRE WASHED COURSE SAND
 15-30% COMPOST PER SPECIAL PROVISIONS

1 BIO-RETENTION BASIN X-SEC (TYP)
 NTS

City of Madison
 Department of Public Works
PARKS DIVISION
 330 E. Lakeside St.
 Madison, WI 53715

play
**MADISON
 PARKS**



PROJECT:

*COUNTRY GROVE
 PARK SHELTER*

PROJECT ADDRESS:

*7353 EAST PASS
 MADISON, WI*

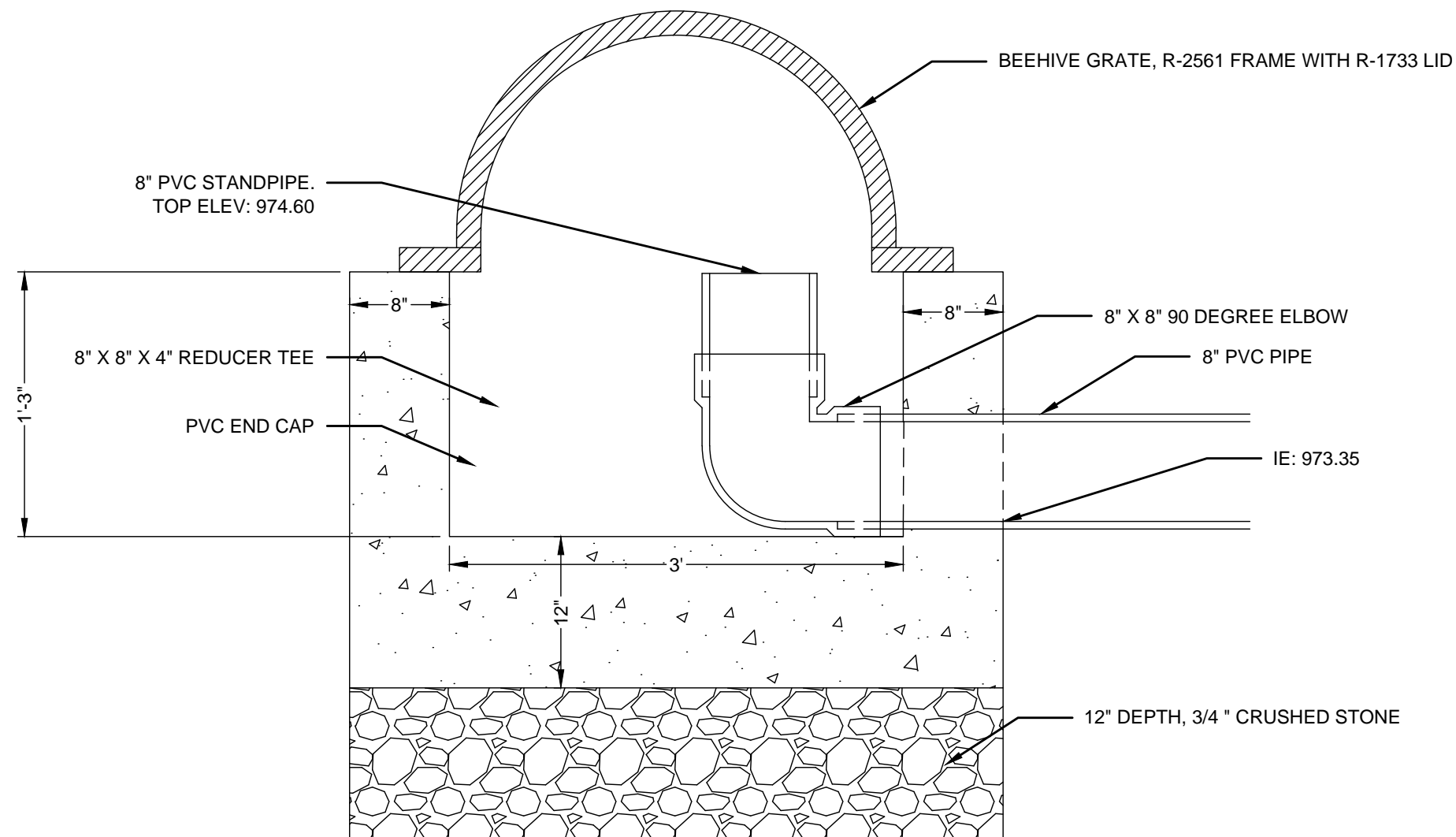
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PUBLIC WORKS PROJECT #:
9359

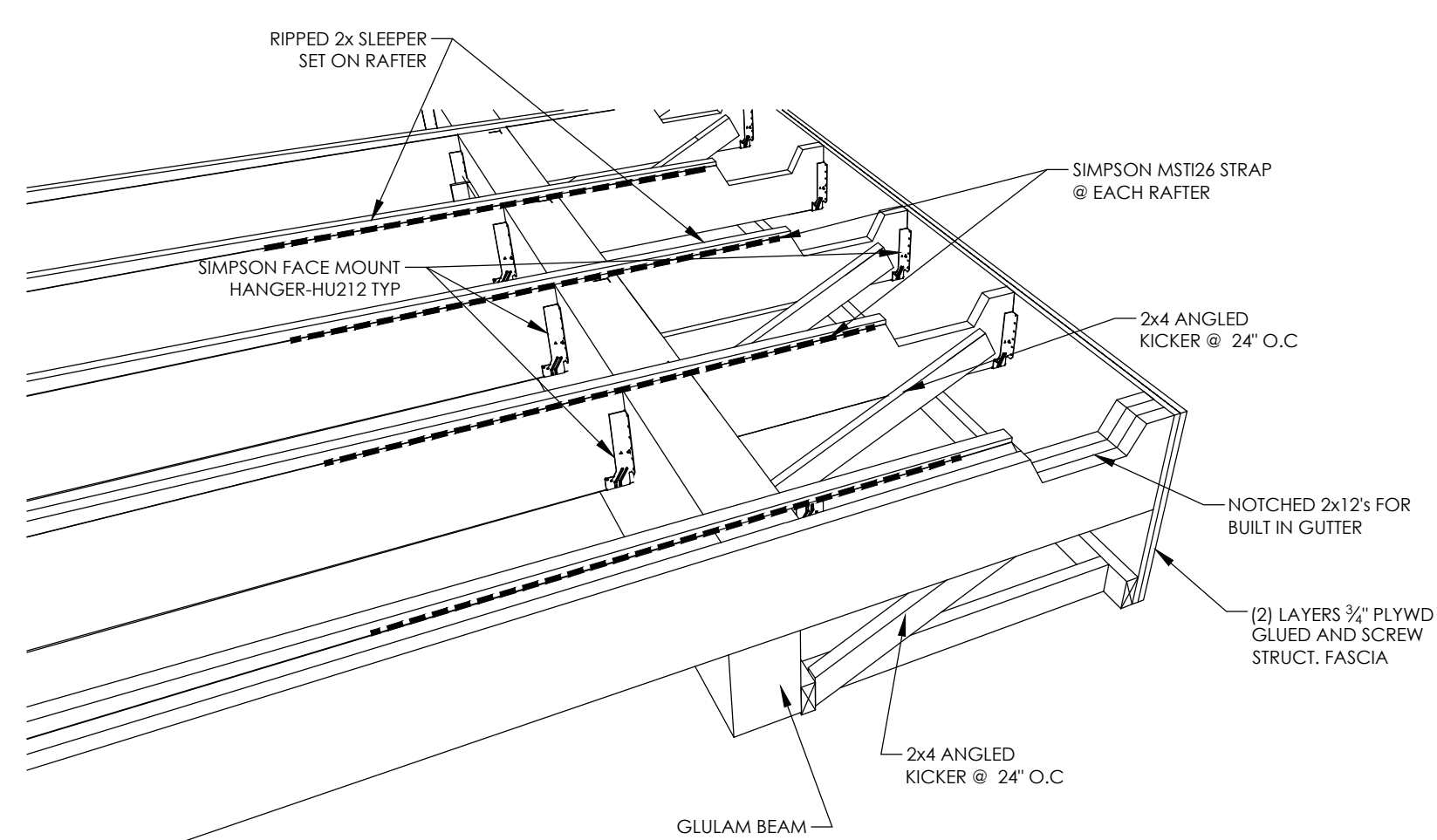
SHEET TITLE:
*COURT BASIN
 STRUCTURE*

SHEET NUMBER:
C2.7

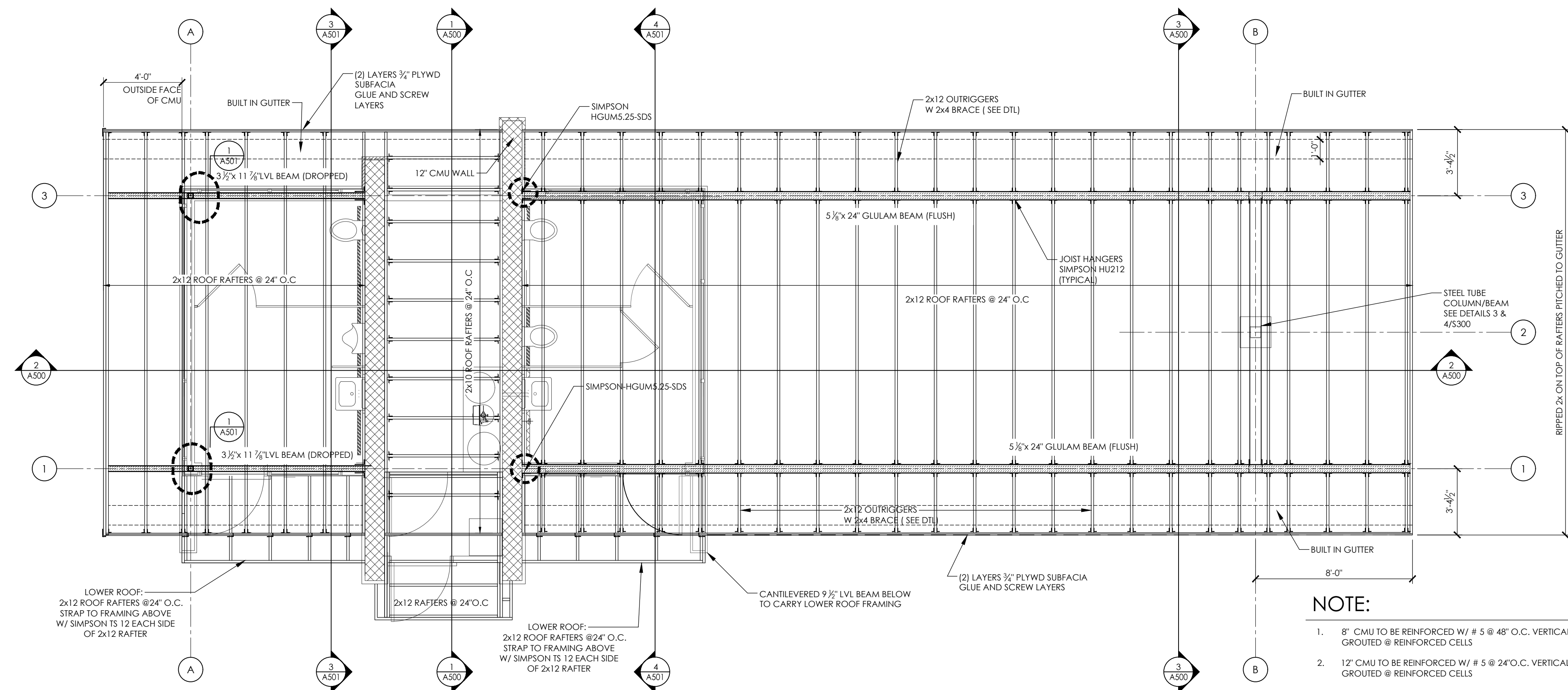


1 BIO-RETENTION BASIN STORM STRUCTURE
 NTS

PLOT DATE: 02/07/2024

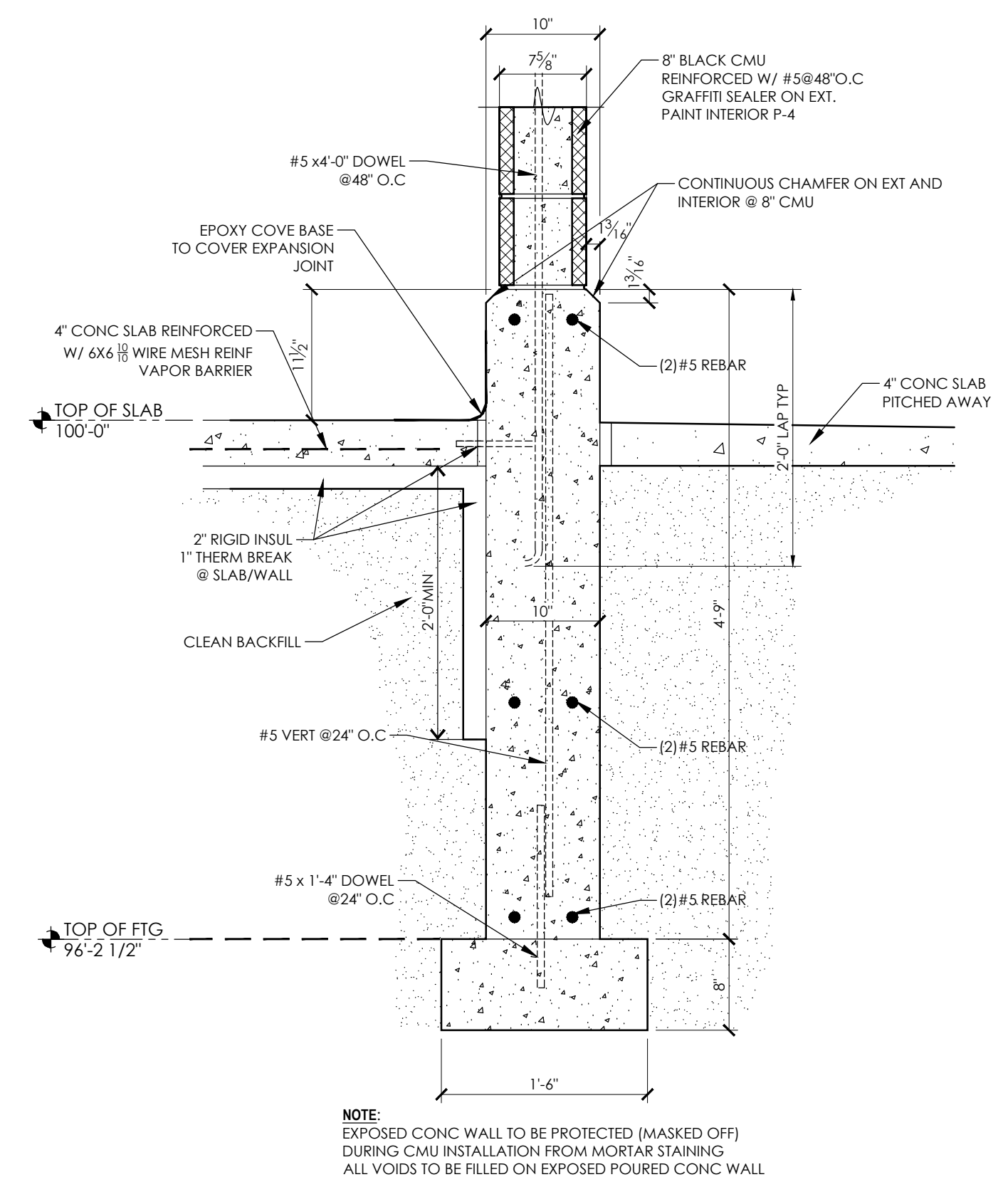


4 BUILT-IN GUTTER DETAIL
3/8" = 1'-0"

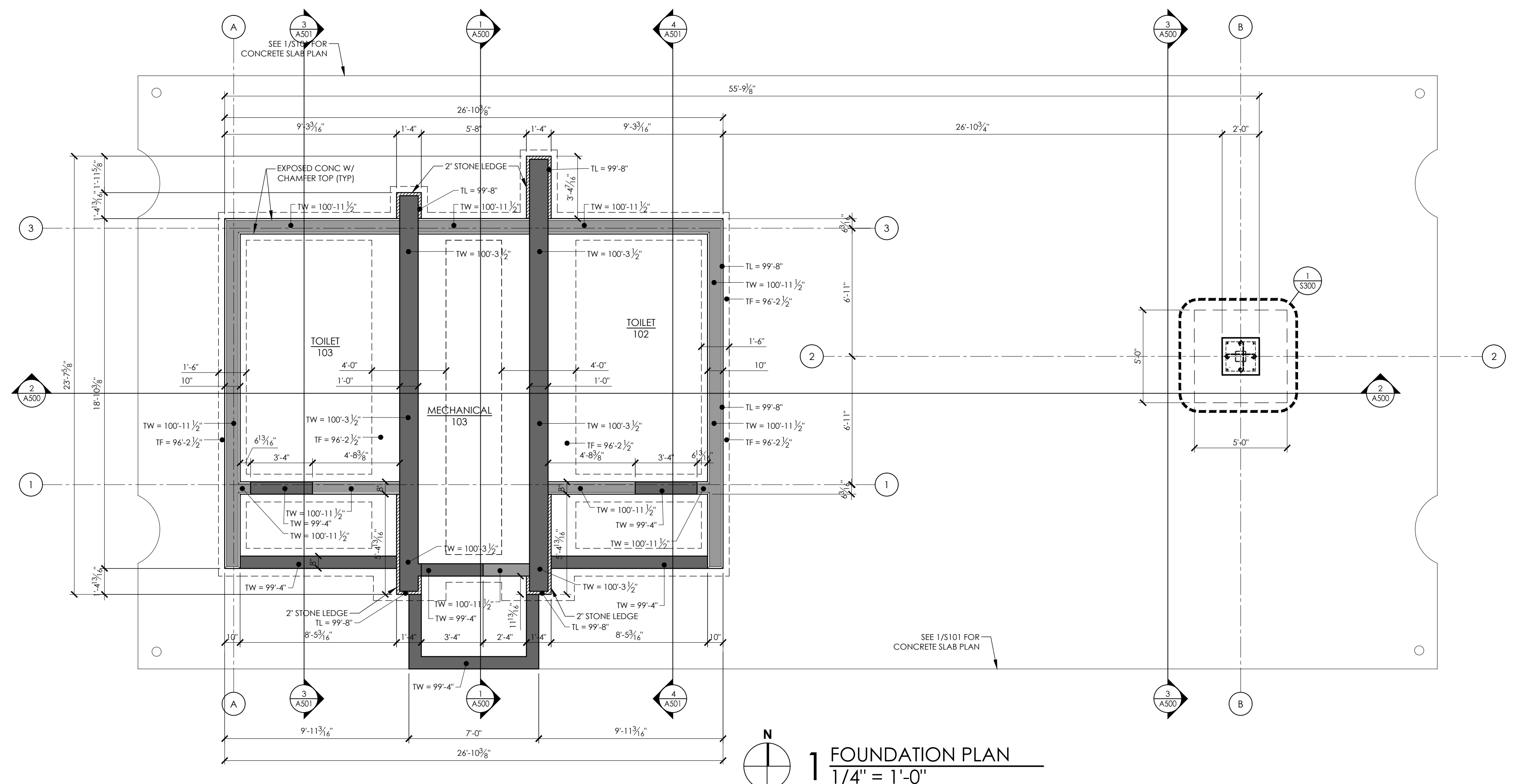


- NOTE:**
- 8" CMU TO BE REINFORCED W/ # 5 @ 48" O.C. VERTICAL GROUTED @ REINFORCED CELLS
 - 12" CMU TO BE REINFORCED W/ # 5 @ 24" O.C. VERTICAL GROUTED @ REINFORCED CELLS
 - INSTALL BOND BEAM @ TOP COURSE OF ALL CMU WALLS W/ (2) # 5 BARS CONTINUOUS. INSTALL BOND BEAM @ ALL THROUGH WALL PENETRATIONS. EXTEND 16" PAST OPENING

2 ROOF FRAMING PLAN
1/4" = 1'-0"



3 FOUNDATION DETAIL
1" = 1'-0"



1 FOUNDATION PLAN
1/4" = 1'-0"

DESTREE
architecture & design
222 WEST WASHINGTON AVE, SUITE 310
MADISON, WI 53703
PH: 608.268.1499
www.Destreearchitects.com

ENGINEERING SERVICES PROVIDED BY:
ECHOLON
STRUCTURES
3530 TIMBER LANE
CROSS PLAINS, WI 53528

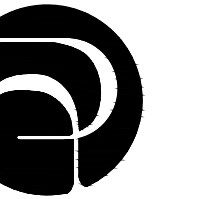
MEP DESIGN SERVICES PROVIDED BY:
Henneman
Engineering
Madison: 1241 John Q Harmons Dr, Suite 503
Madison, Wisconsin 53717
T: 608.833.7000
Email: info@henneman.com
Website: http://www.henneman.com
JOB NO. 23-10419

COUNTRY GROVE
PARK SHELTER
7353 EAST PASS
MADISON, WI 53719
CONTRACT #9359 / MUNIS #13937

ISSUANCES:
02.01.24 - BID SET

SHEET NAME
FOUNDATION & FRAMING
PLANS & DETAILS
SHEET NUMBER

S100



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COUNTRY GROVE
PARK SHELTER
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MADISON, WI 53719
CONTRACT #9359 / MUNIS #13937

ISSUANCES:

02.01.24 - BID SET

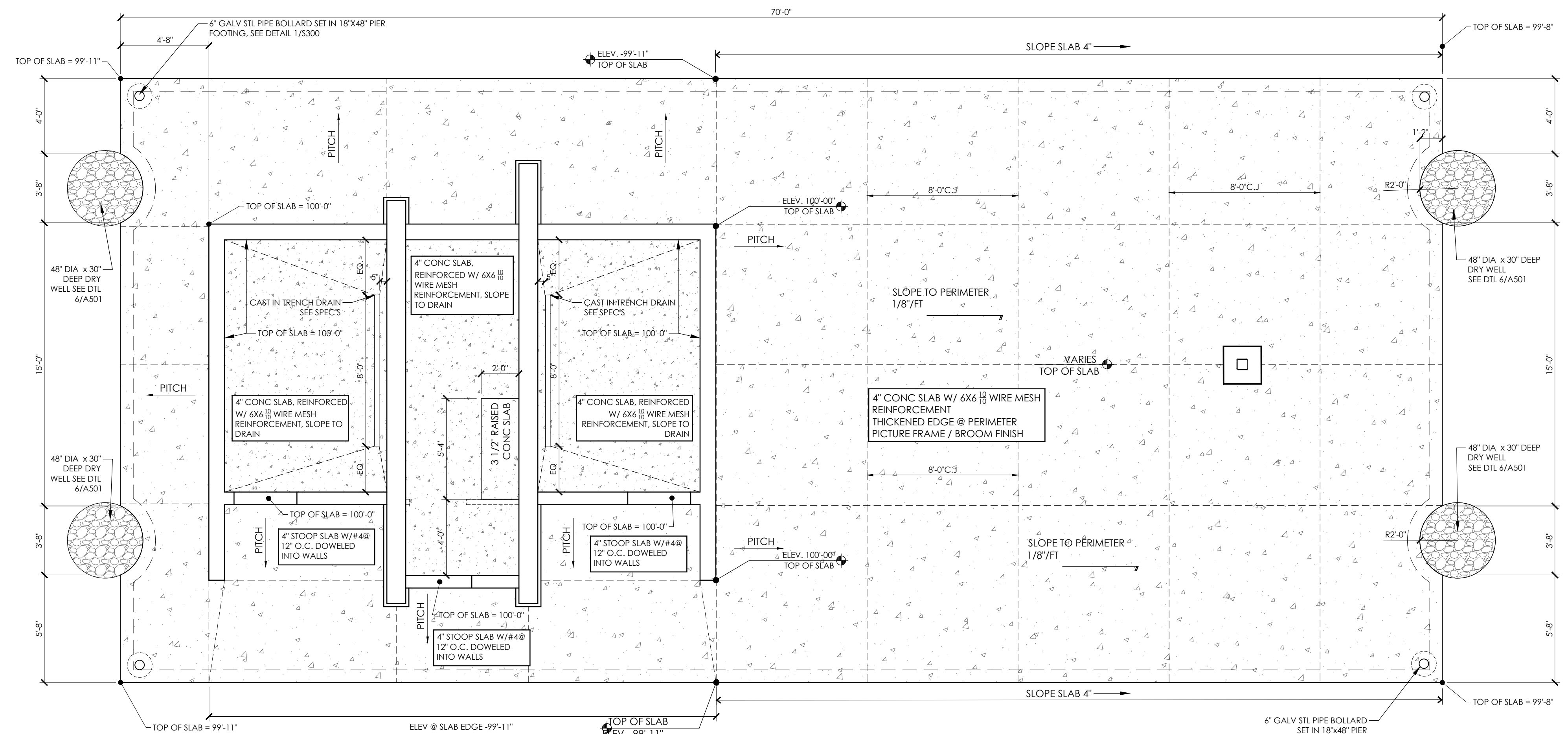
SHEET NAME

CONCRETE SLAB PLAN

SHEET NUMBER

S101

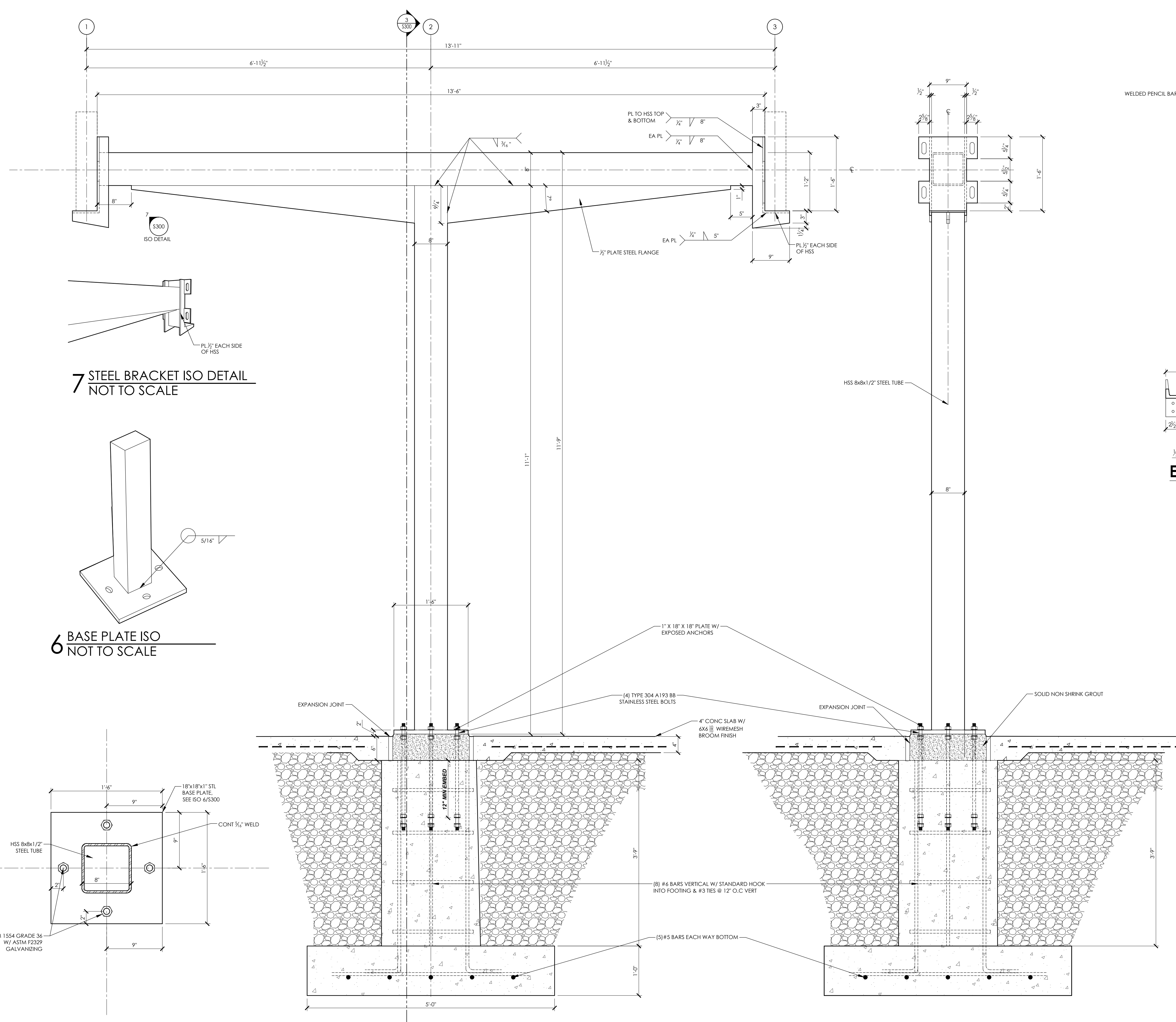
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1 CONCRETE SLAB PLAN
1/4" = 1'-0"

PLOT DATE: 02/07/2024

PLOT DATE: 02/07/2024

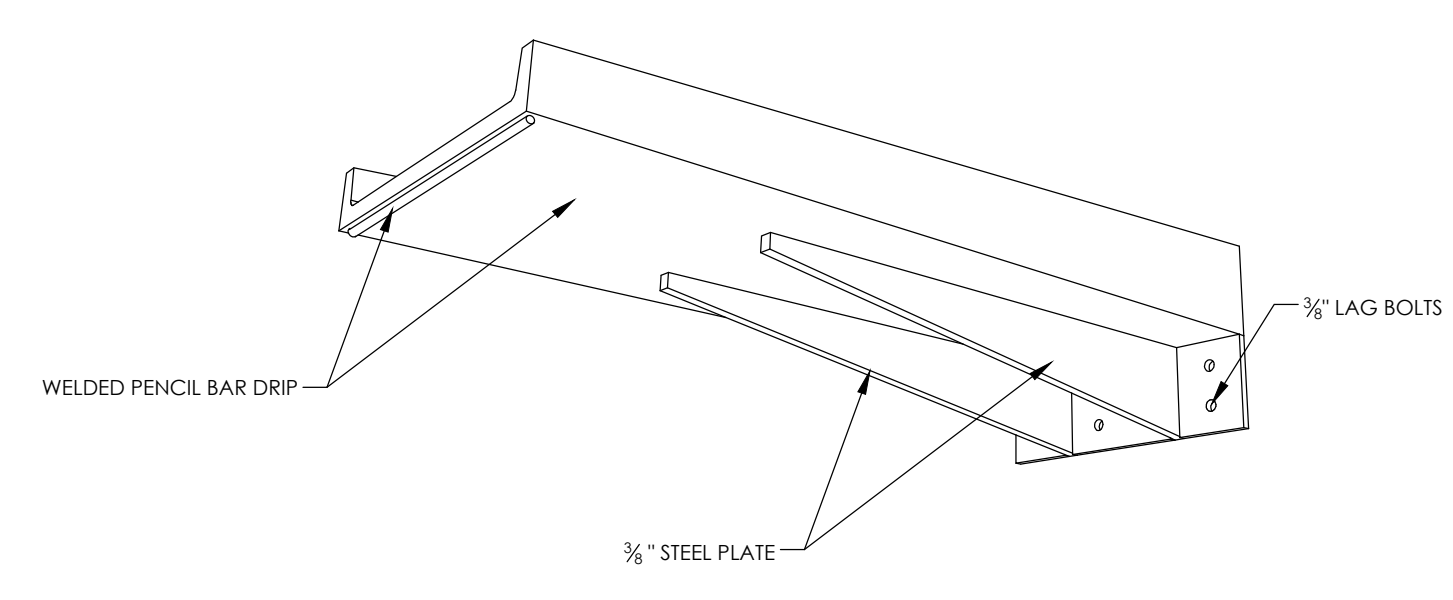


5 BASE PLATE DETAIL
1 1/2" = 1'-0"

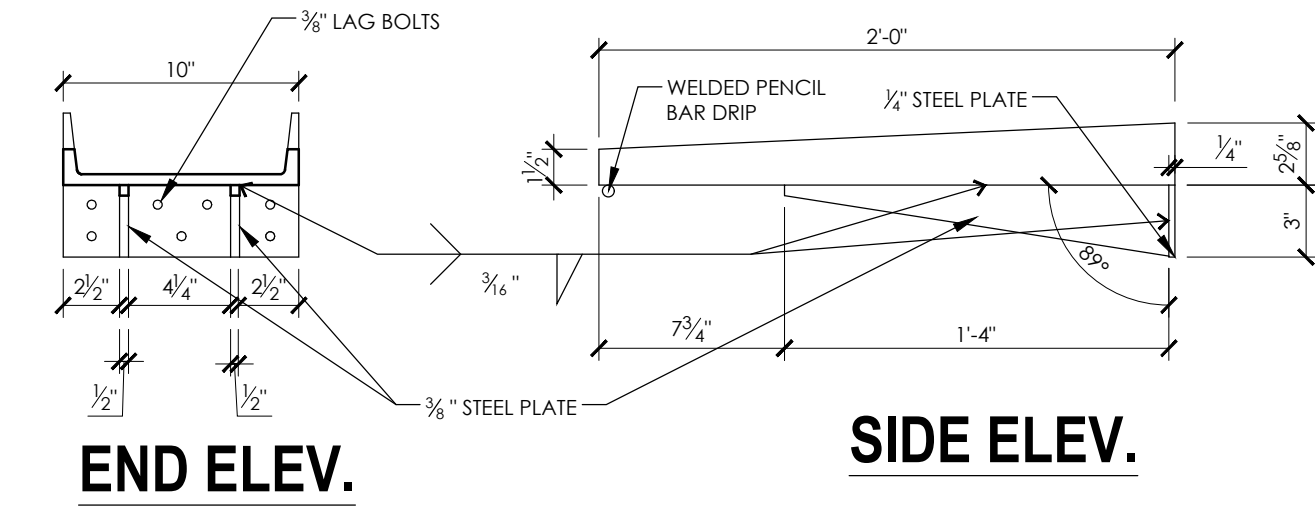
4 STEEL COLUMN-FRONT ELEVATION
1" = 1'-0"

3 STEEL COLUMN-SIDE ELEVATION
1" = 1'-0"

1 BOLLARD DETAIL
1/2" = 1'-0"

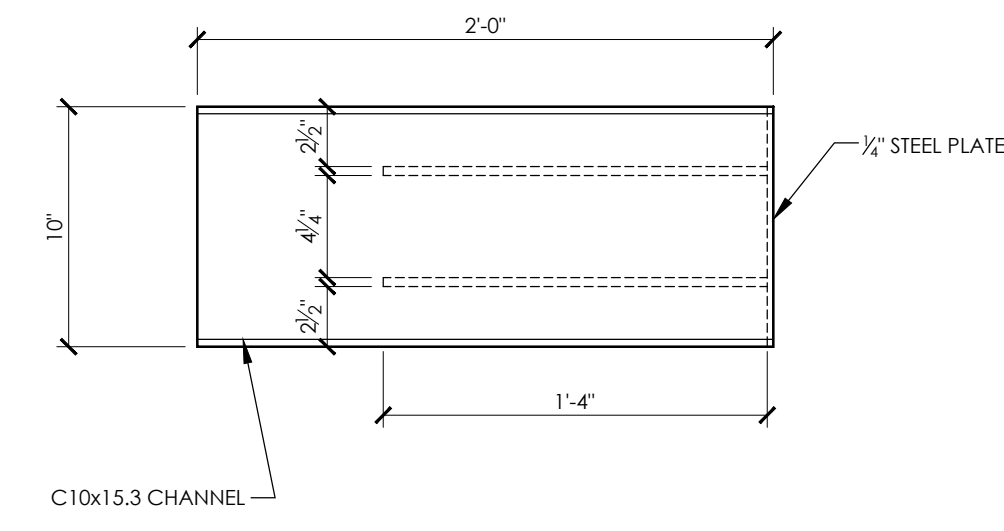


PERSPECTIVE VIEW



END ELEV.

SIDE ELEV.



PLAN

NOTE:
STEEL SCUPPER TO BE PAINTED W/ HIGH PERFORMANCE PAINT (PI-2) BEFORE INSTALL

2 STEEL SCUPPER DETAIL
1 1/2" = 1'-0"

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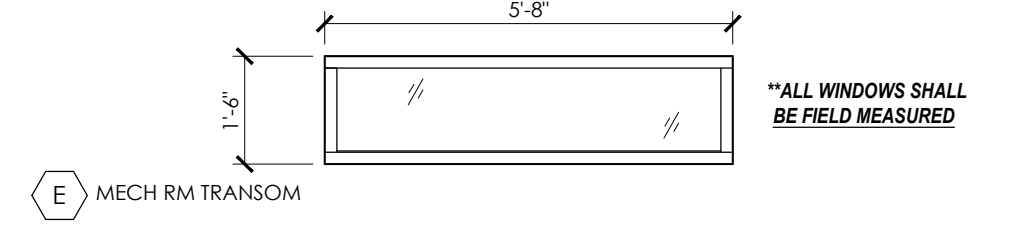
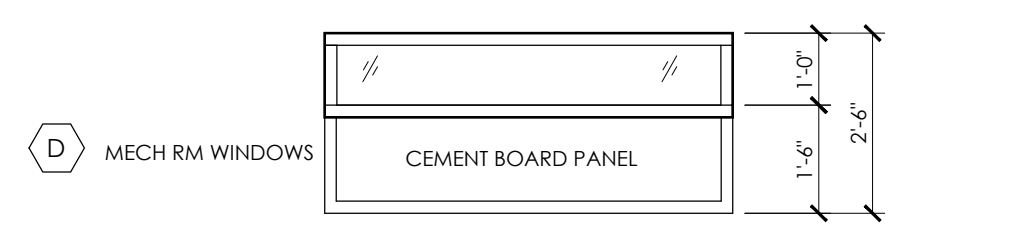
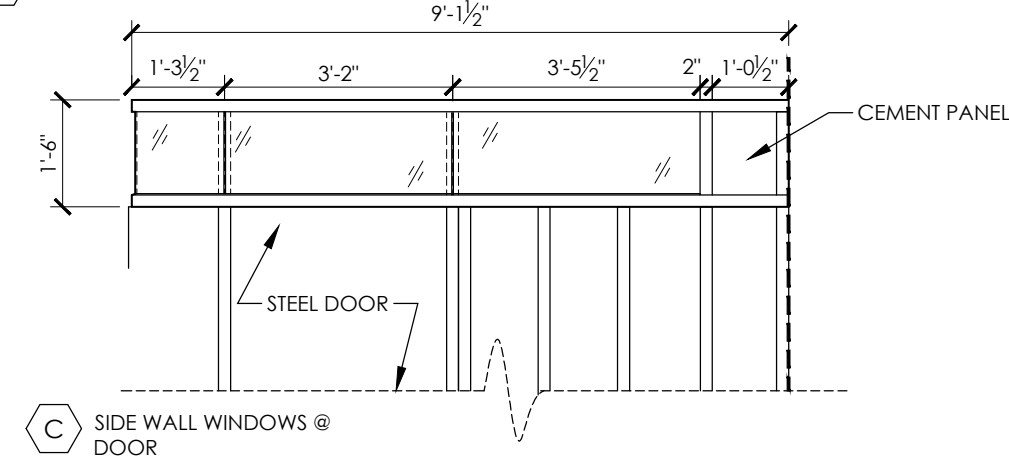
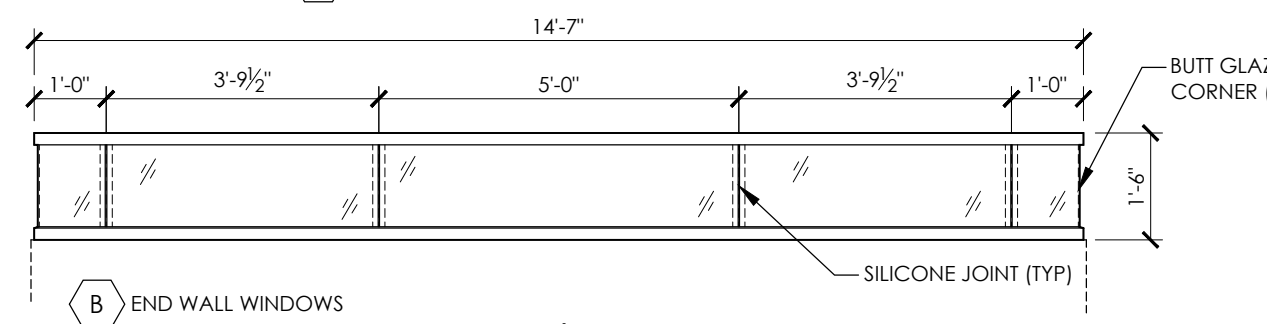
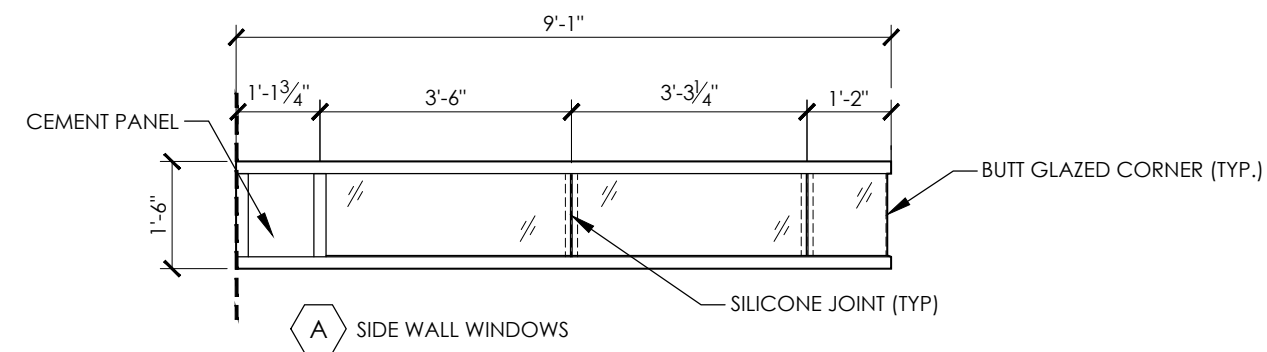
COUNTRY GROVE
PARK SHELTER
7353 EAST PASS
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CONTRACT #9359 / MUNIS #13937

ISSUANCES:
02.01.24 - BID SET

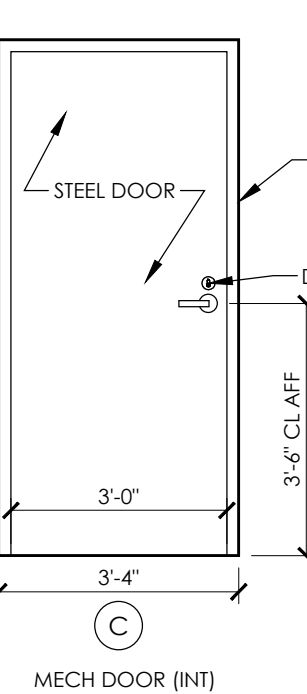
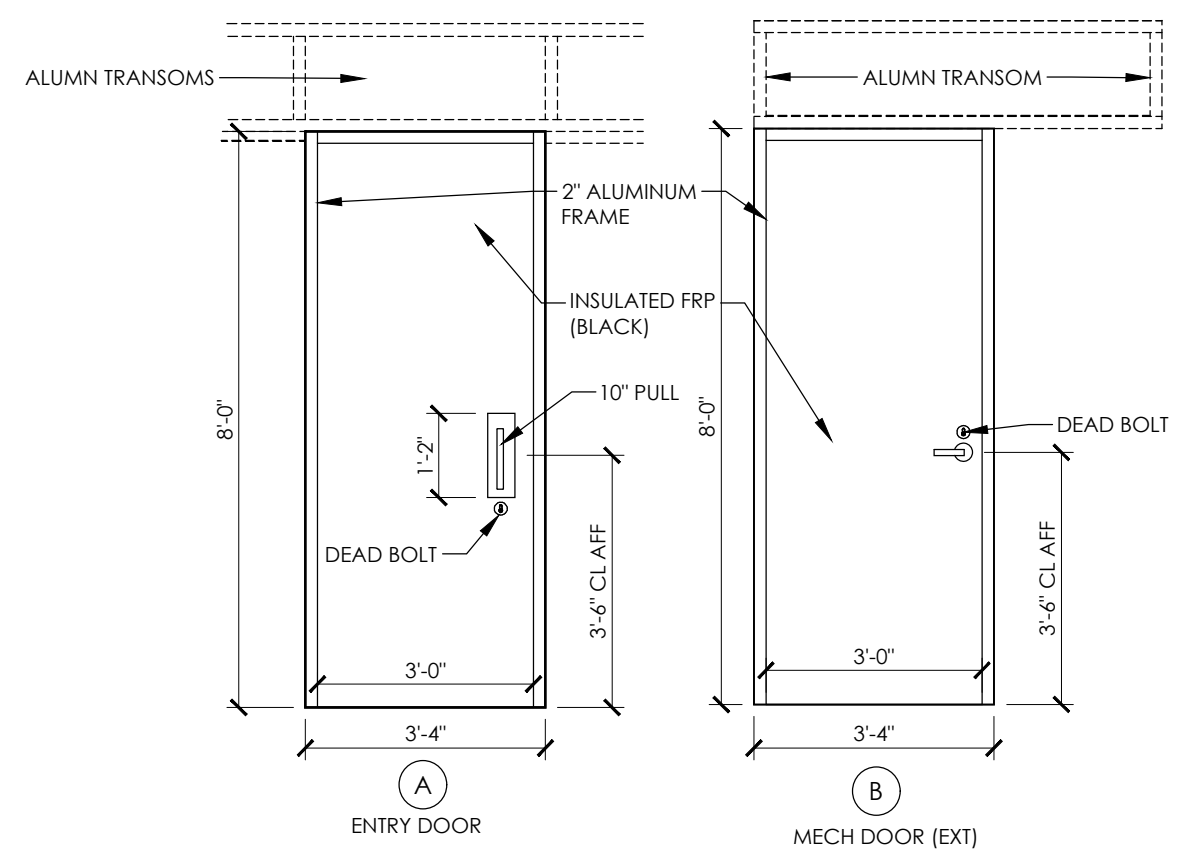
SHEET NAME
STRUCTURAL DETAILS
SHEET NUMBER

S300

PLOT DATE: 02/07/2024

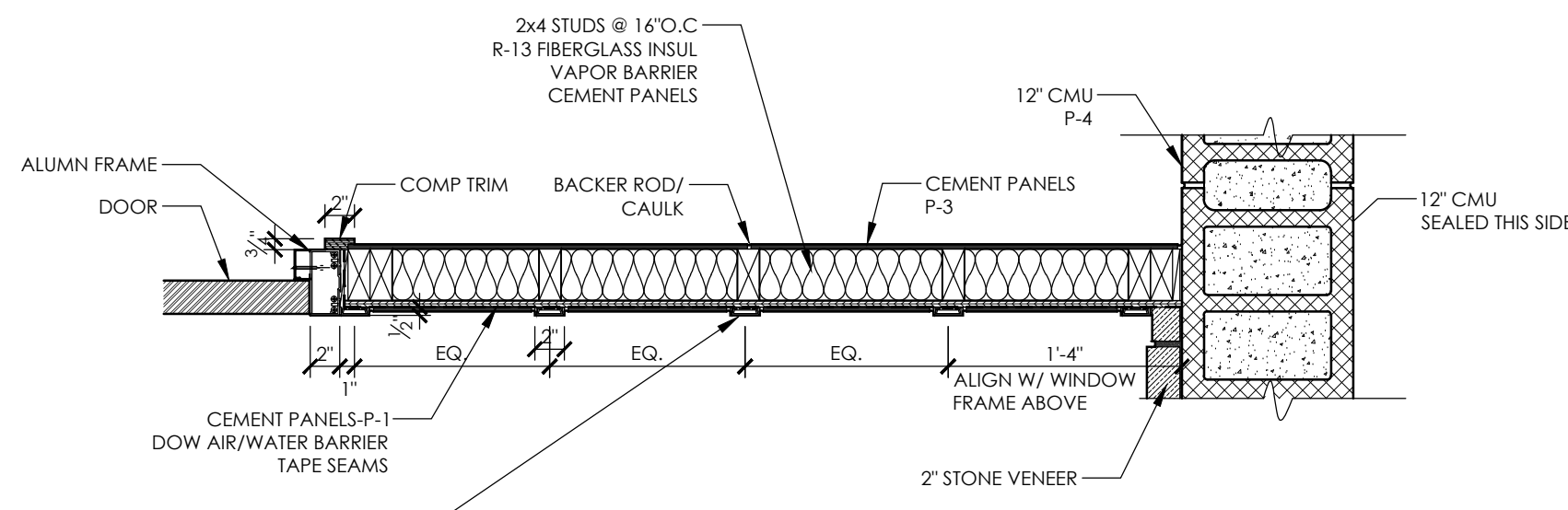


*ALL WINDOWS SHALL BE FIELD MEASURED

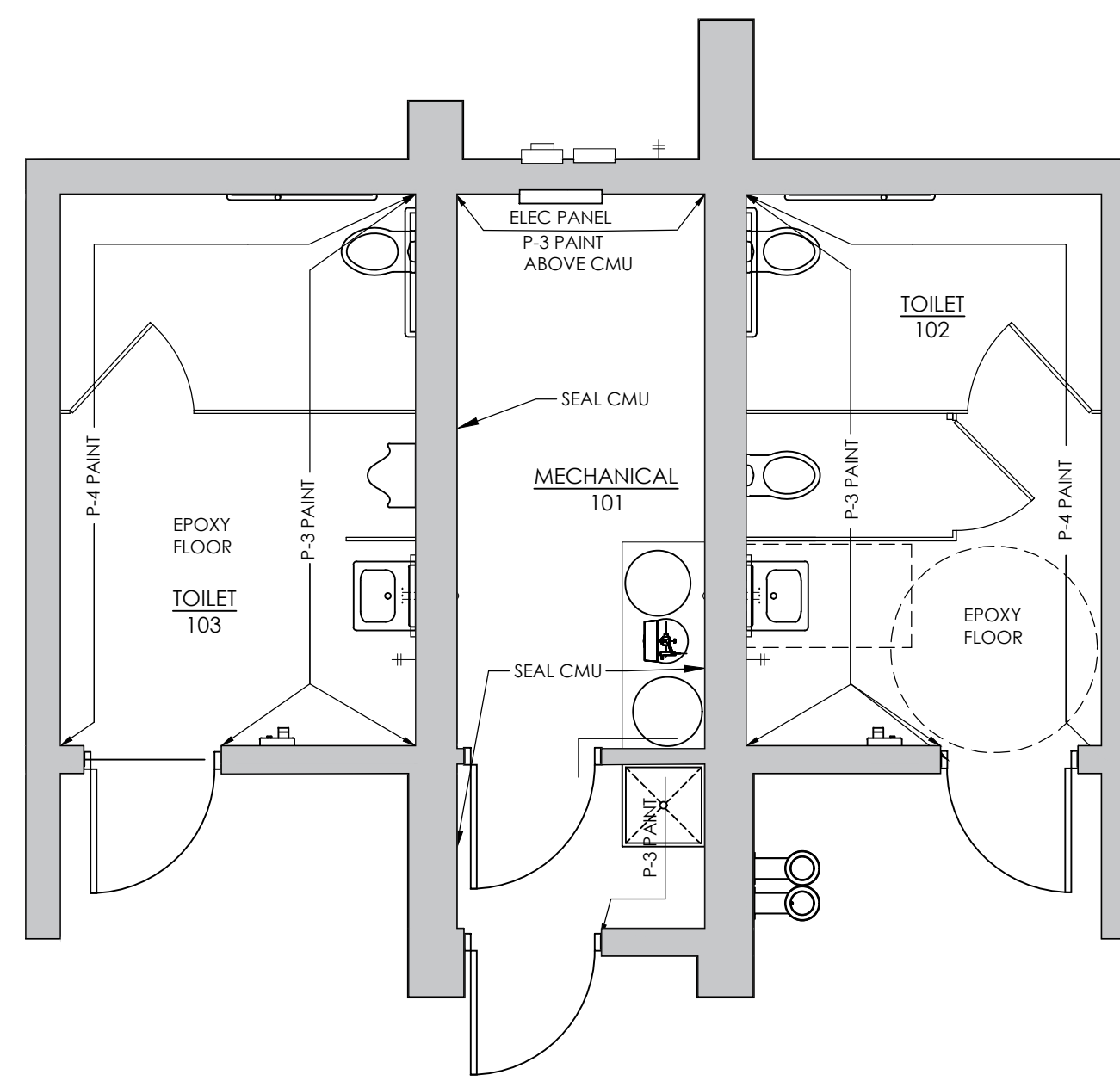


NOTE: G.C. IS RESPONSIBLE FOR FIELD VERIFYING ALL EXISTING CONDITIONS

4 DOOR & WINDOW TYPES
3/8" = 1'-0"



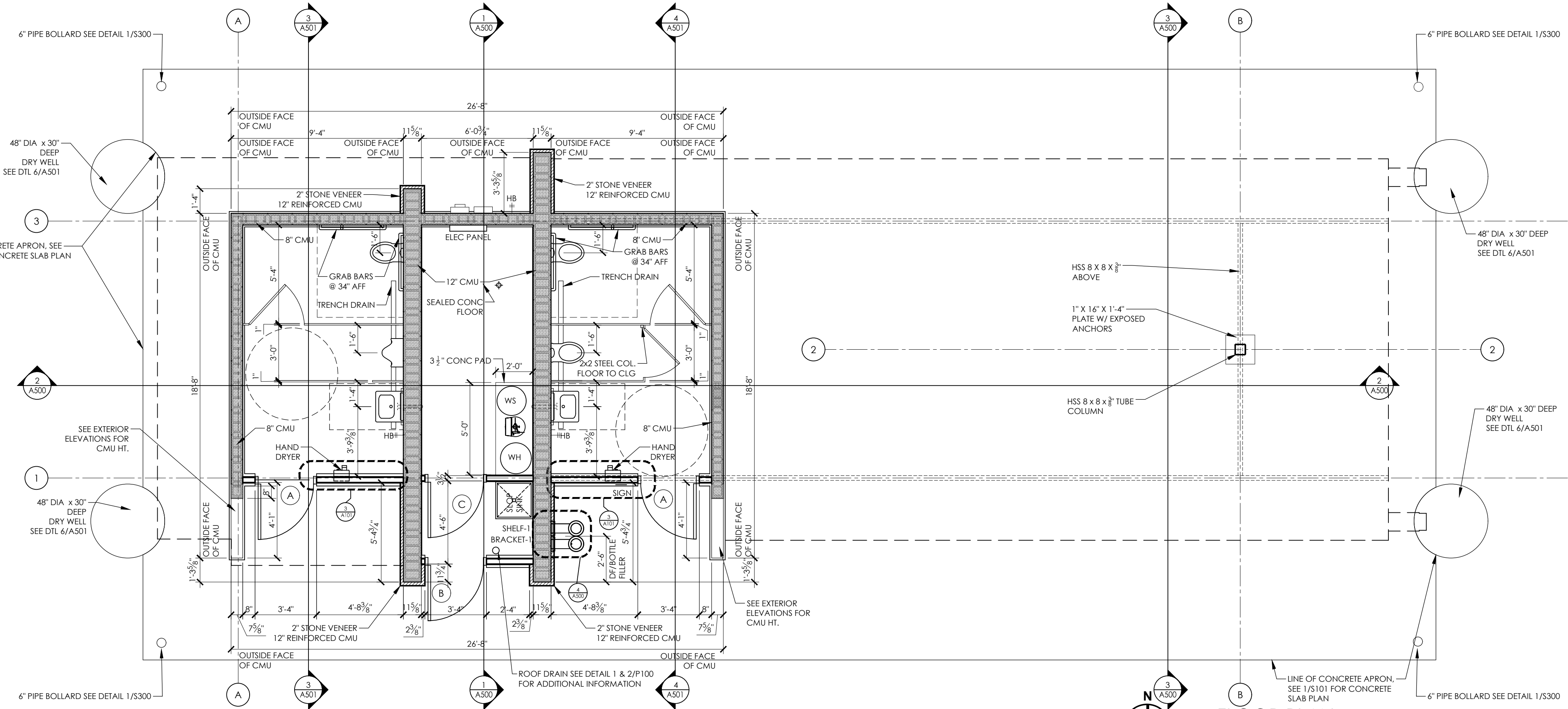
3 WALL DETAIL @ DOOR
1" = 1'-0"



2 FINISH PLAN
1/4" = 1'-0"

GENERAL PLAN NOTES

- 8" CMU TO BE REINFORCED W/ # 5 @ 48" O.C. VERTICAL GROUDED @ REINFORCED CELLS.
- 12" CMU TO BE REINFORCED W/ # 5 @ 24" O.C. VERTICAL GROUDED @ REINFORCED CELLS.
- INSTALL BOND BEAM @ TOP COURSE OF ALL CMU WALLS W/ (2) # 5 BARS CONTINUOUS. INSTALL BOND BEAM @ ALL THROUGH WALL PENETRATIONS. EXTEND 16" PAST OPENING.
- WIRE WALL SHELVES (SHELF-1) BY OWNER.
- PROVIDE WALL MOUNTED BRACKET (BRACKET-1) FOR DRINKING FOUNTAIN FILTER.
- SEE 1000 FOR FINISH SCHEDULE.



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

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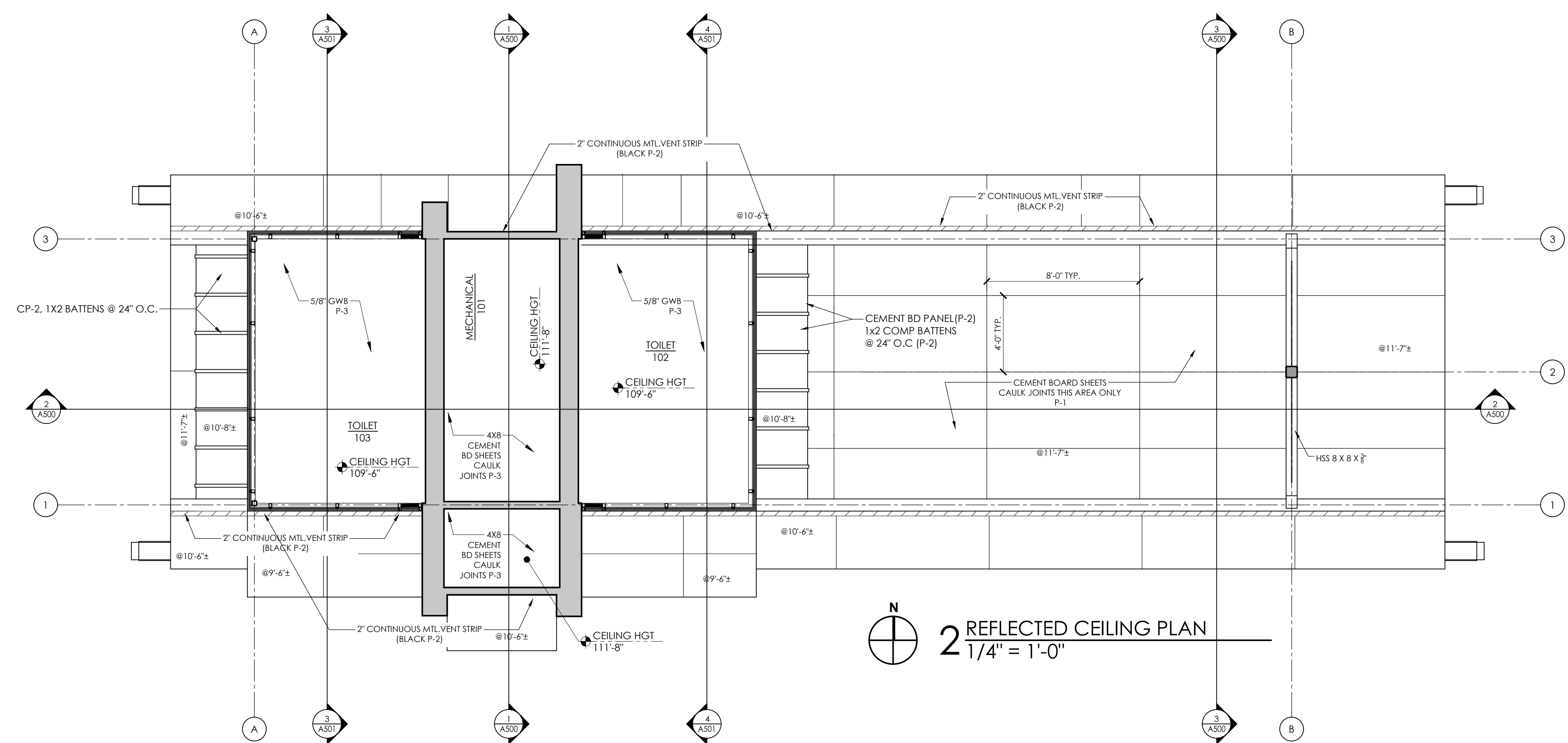
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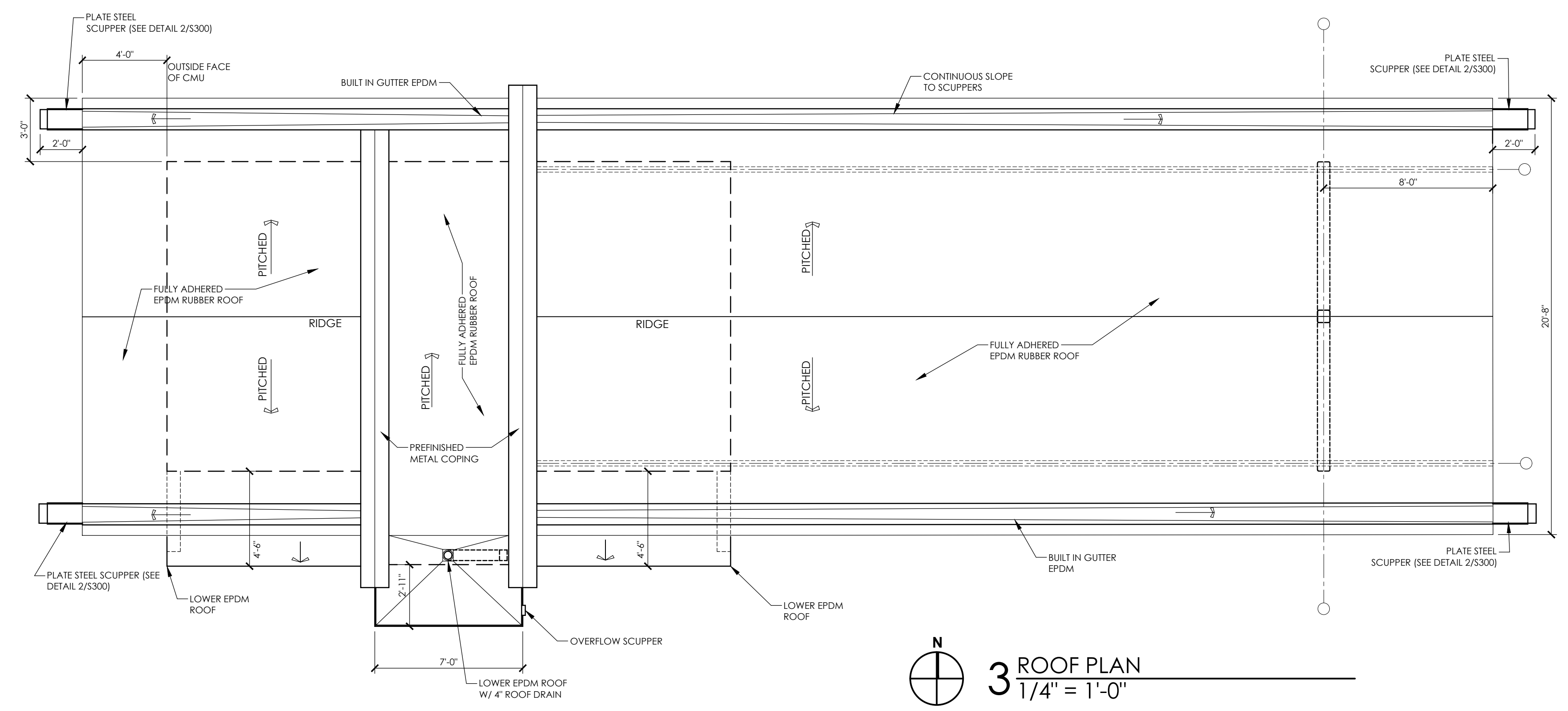
SHEET NAME
FLOOR & ROOF PLAN,
DOOR ELEVATIONS & DETAIL
SHEET NUMBER

A100

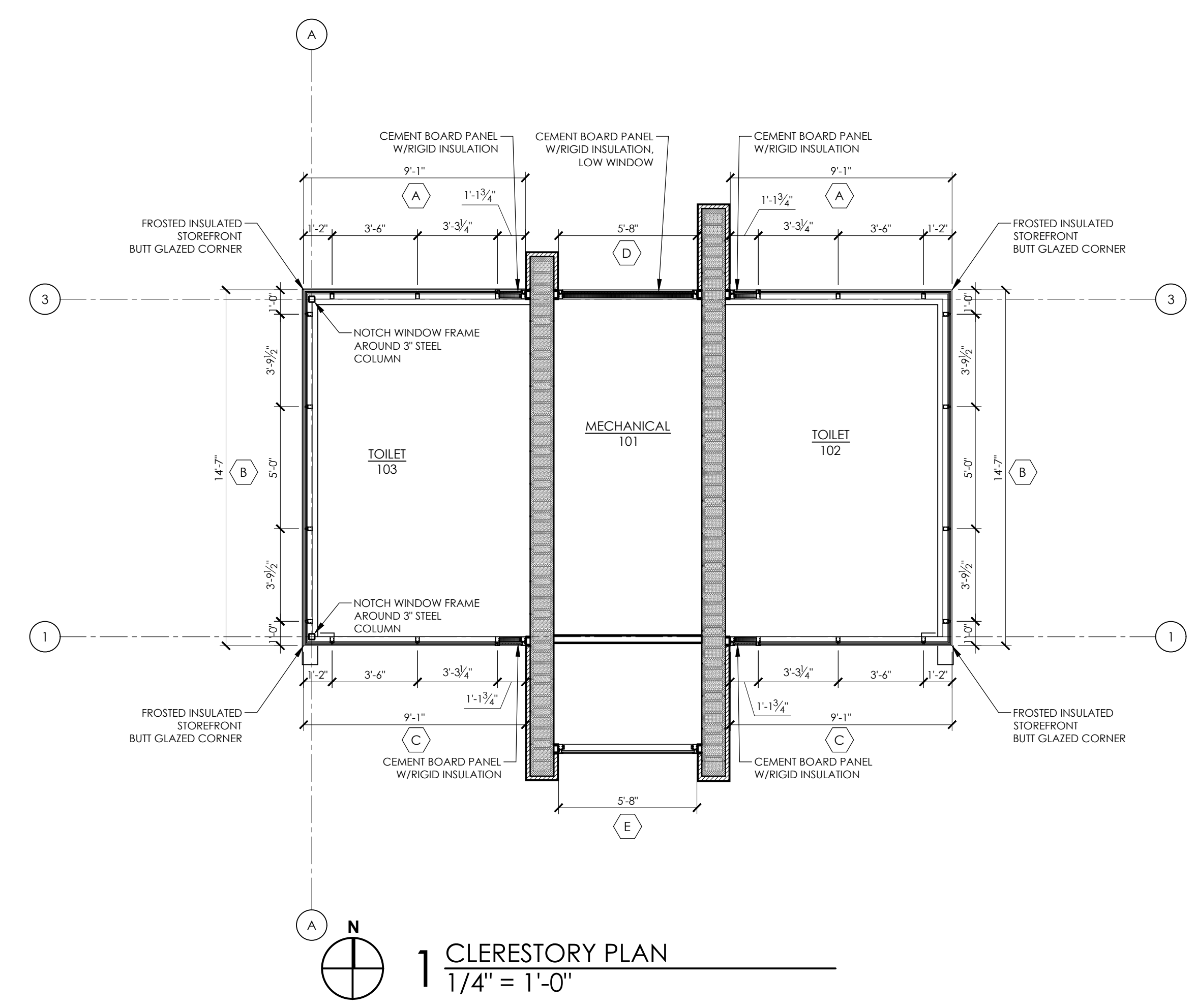
PLOT DATE: 02/07/2024



2 REFLECTED CEILING PLAN
1/4" = 1'-0"



3 ROOF PLAN
1/4" = 1'-0"



1 CLERESTORY PLAN
1/4" = 1'-0"

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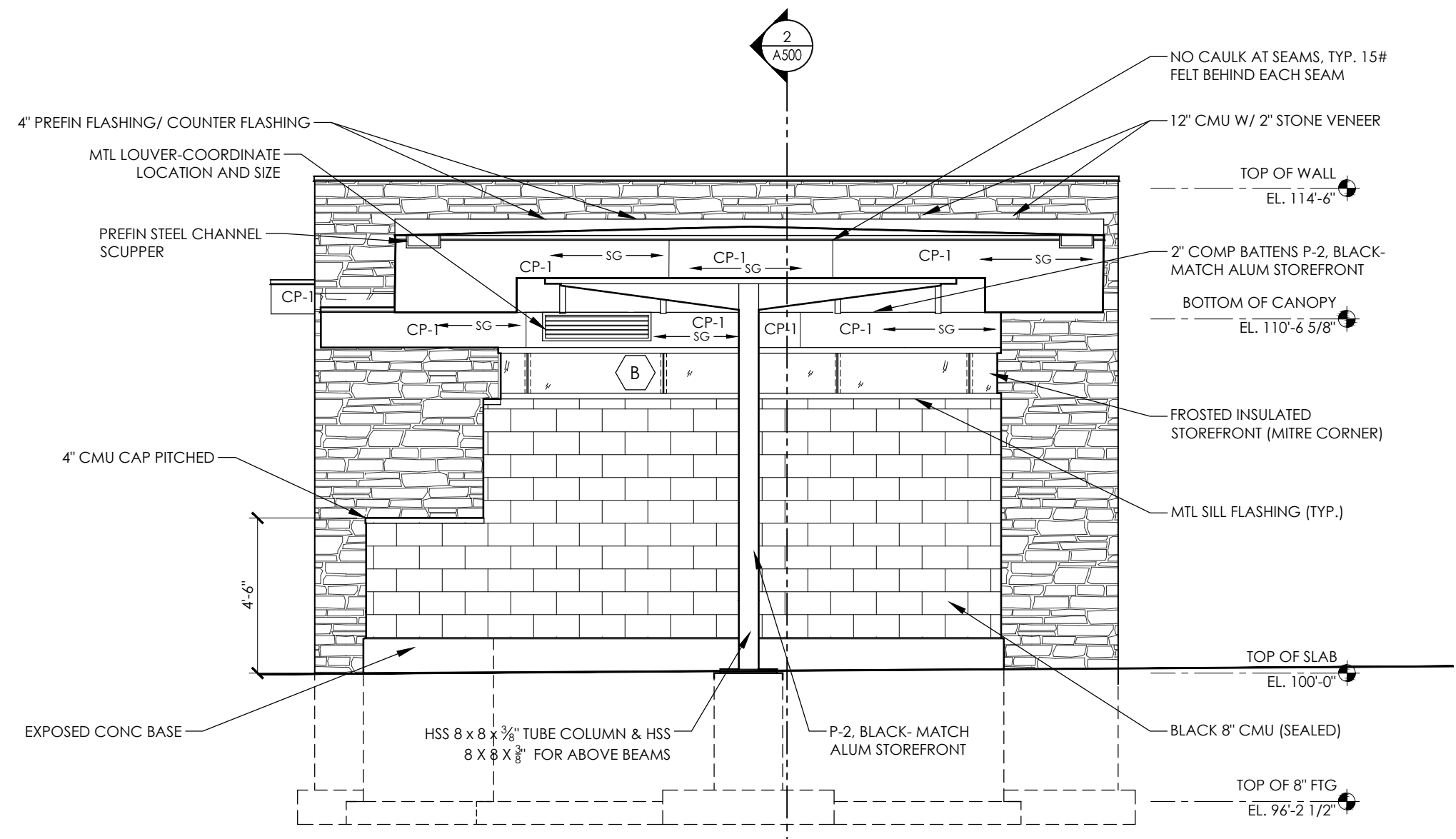
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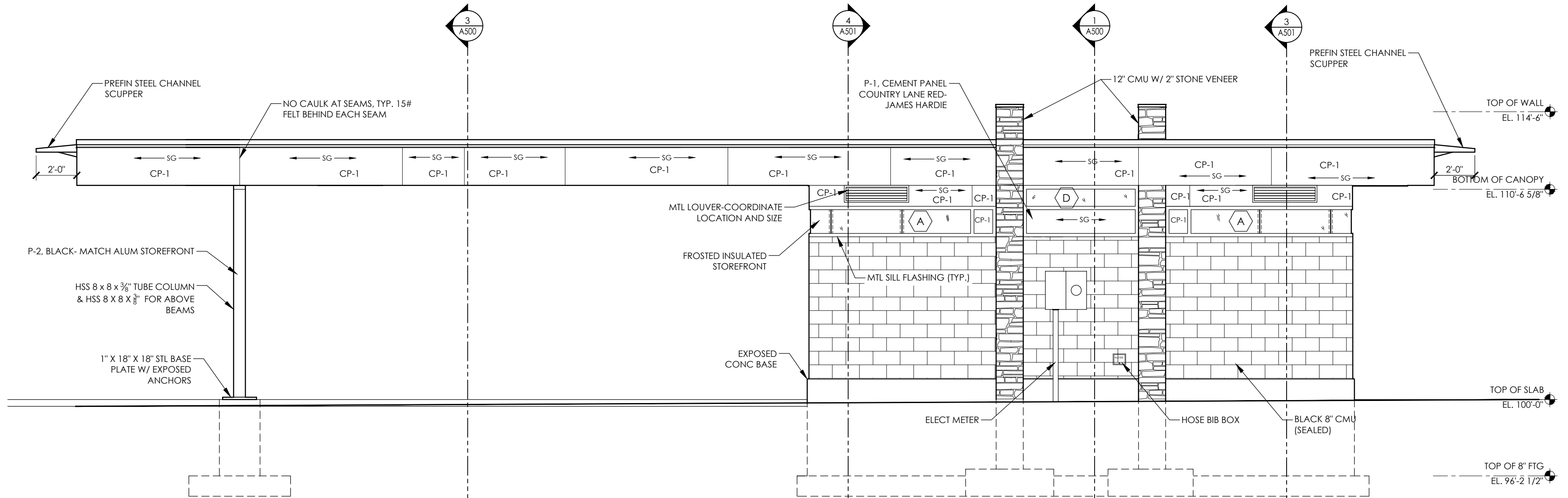
ISSUANCES:
02.01.24 - BID SET

SHEET NAME
CLERESTORY, RCP & ROOF
PLANS
SHEET NUMBER

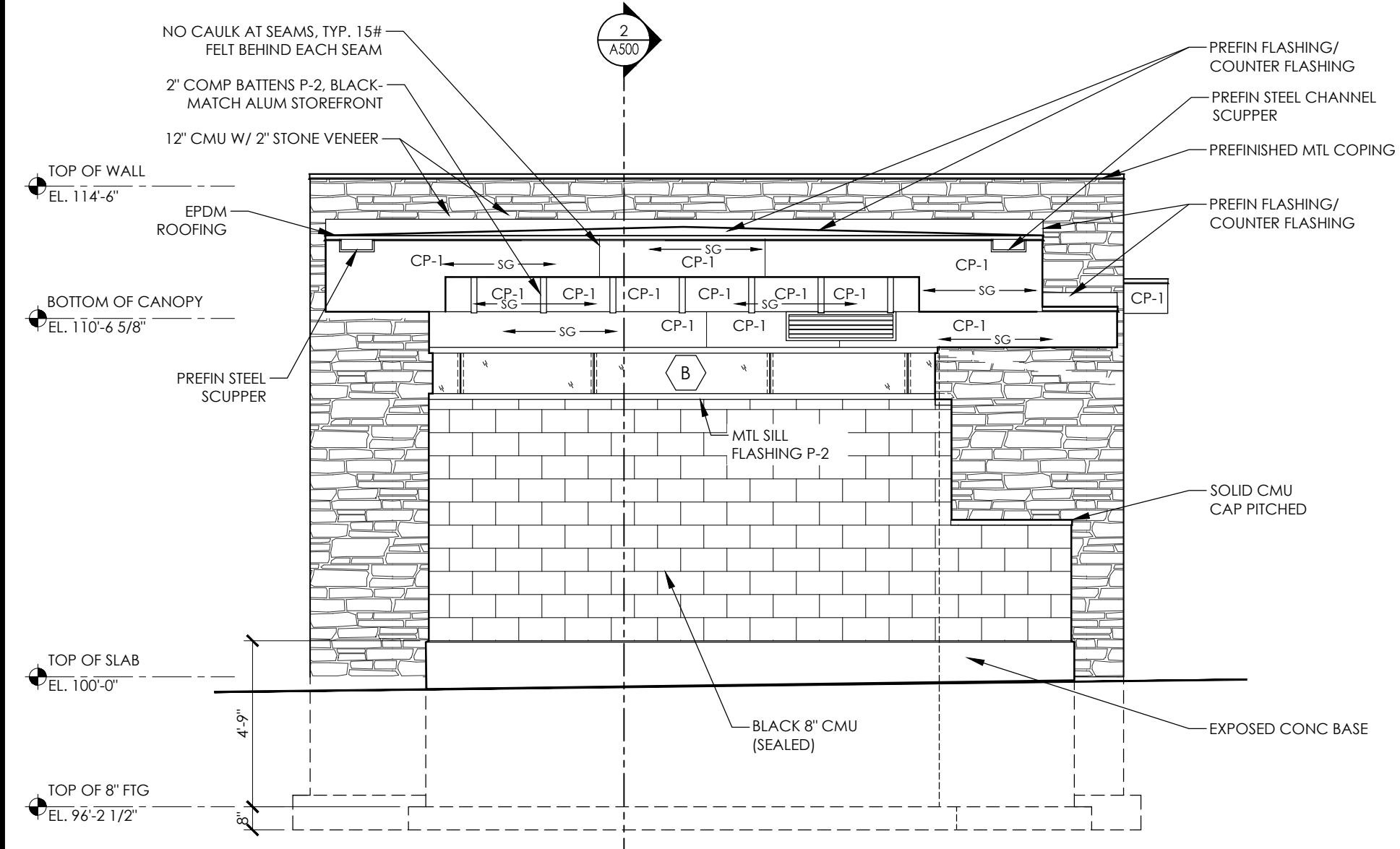
A101



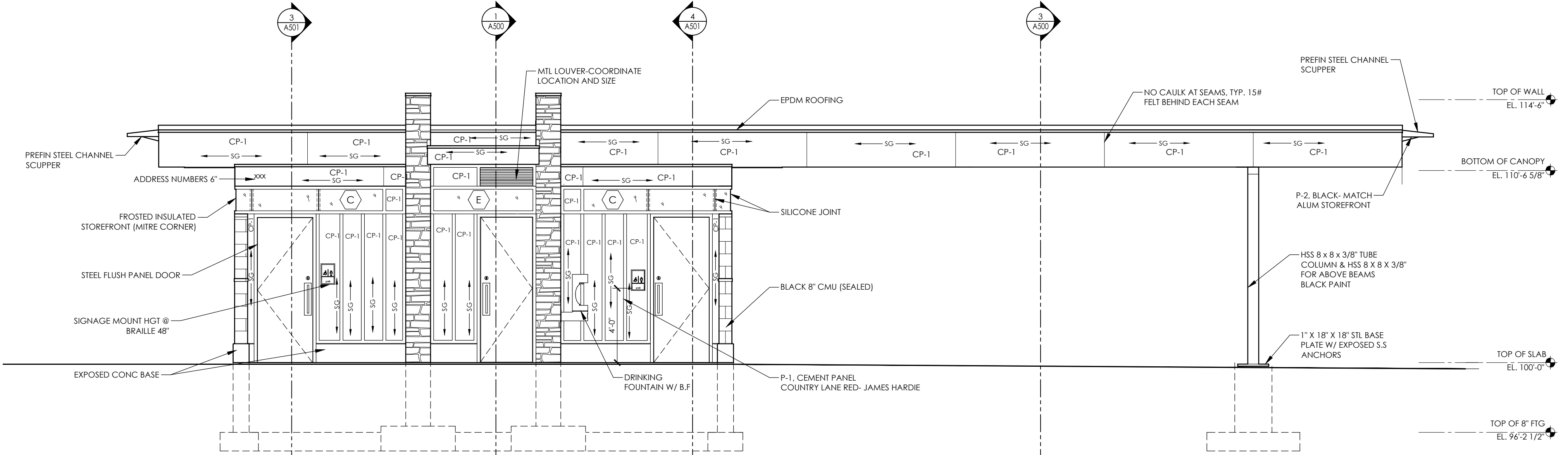
4 EXTERIOR ELEVATION
1/4" = 1'-0"



3 EXTERIOR ELEVATION
1/4" = 1'-0"



2 EXTERIOR ELEVATION
1/4" = 1'-0"



1 EXTERIOR ELEVATION
1/4" = 1'-0"

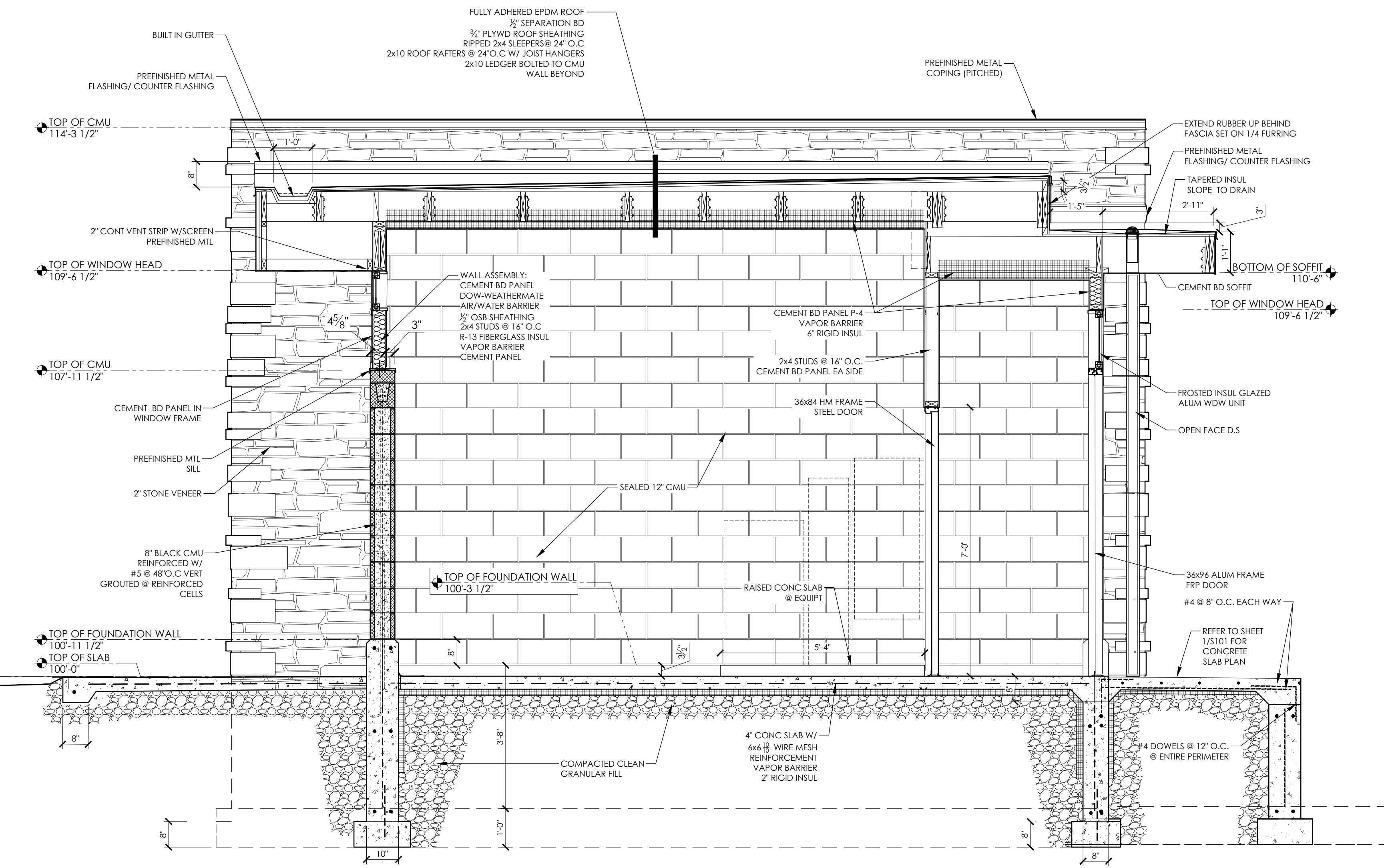
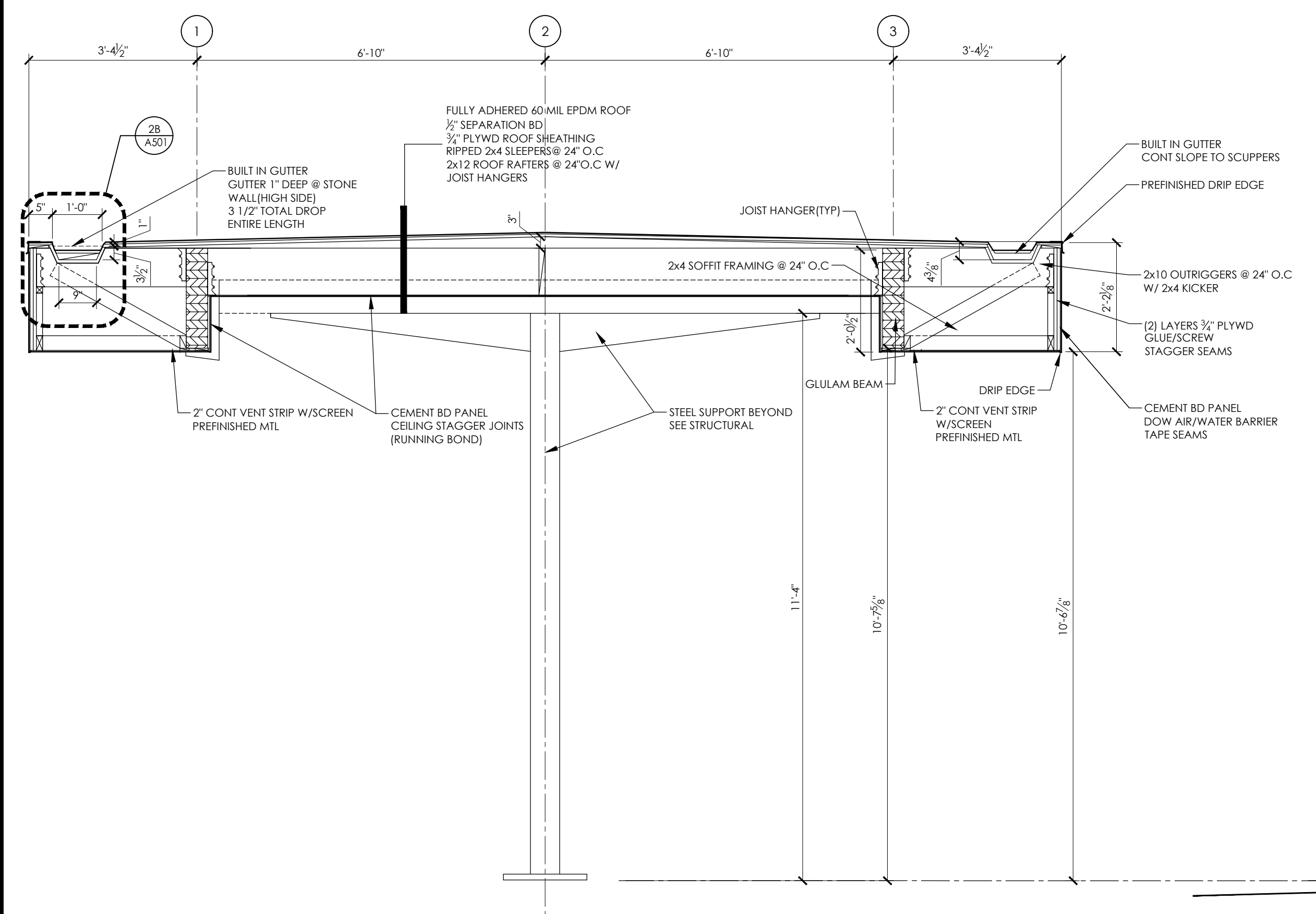
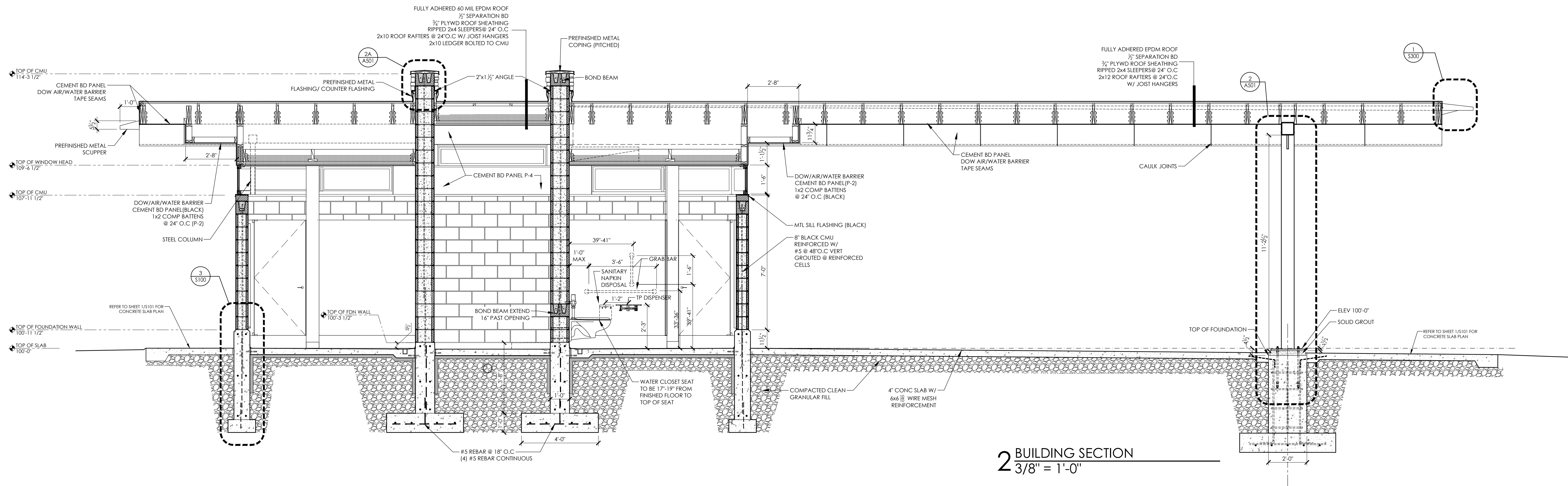
GENERAL NOTES

1. ALL MORTAR TO BE COLORED TO MATCH CMU.
2. PROTECT ALL EXPOSED CONC FOUNDATIONS FROM BLACK MORTAR STAINS.
3. ALL CMU AND STONE SURFACES TO HAVE ANIT-GRAFFITI COATING (TYP) SEE SPECS.
4. "SG" = SIDING GRAIN DIRECTION.
5. SEE SHEET A100 FOR WINDOW ELEVATIONS.
6. SEE T000 FOR FINISH SCHEDULE.
7. ALL SEAMS IN THE HARDIE SIDING SHALL BE BUTT JOINTED (NO CAULK) UNLESS OTHER NOTED. JOINTS TO HAVE 15# FELT PAPER STRIP BEHIND SEAM.
8. FILL ALL VOIDS IN EXPOSED CONCRETE FOUNDATION WALL W/CEMENT SLURRY.

SHEET NAME
EXTERIOR ELEVATIONS
SHEET NUMBER

A300

PLOT DATE: 02/07/2024



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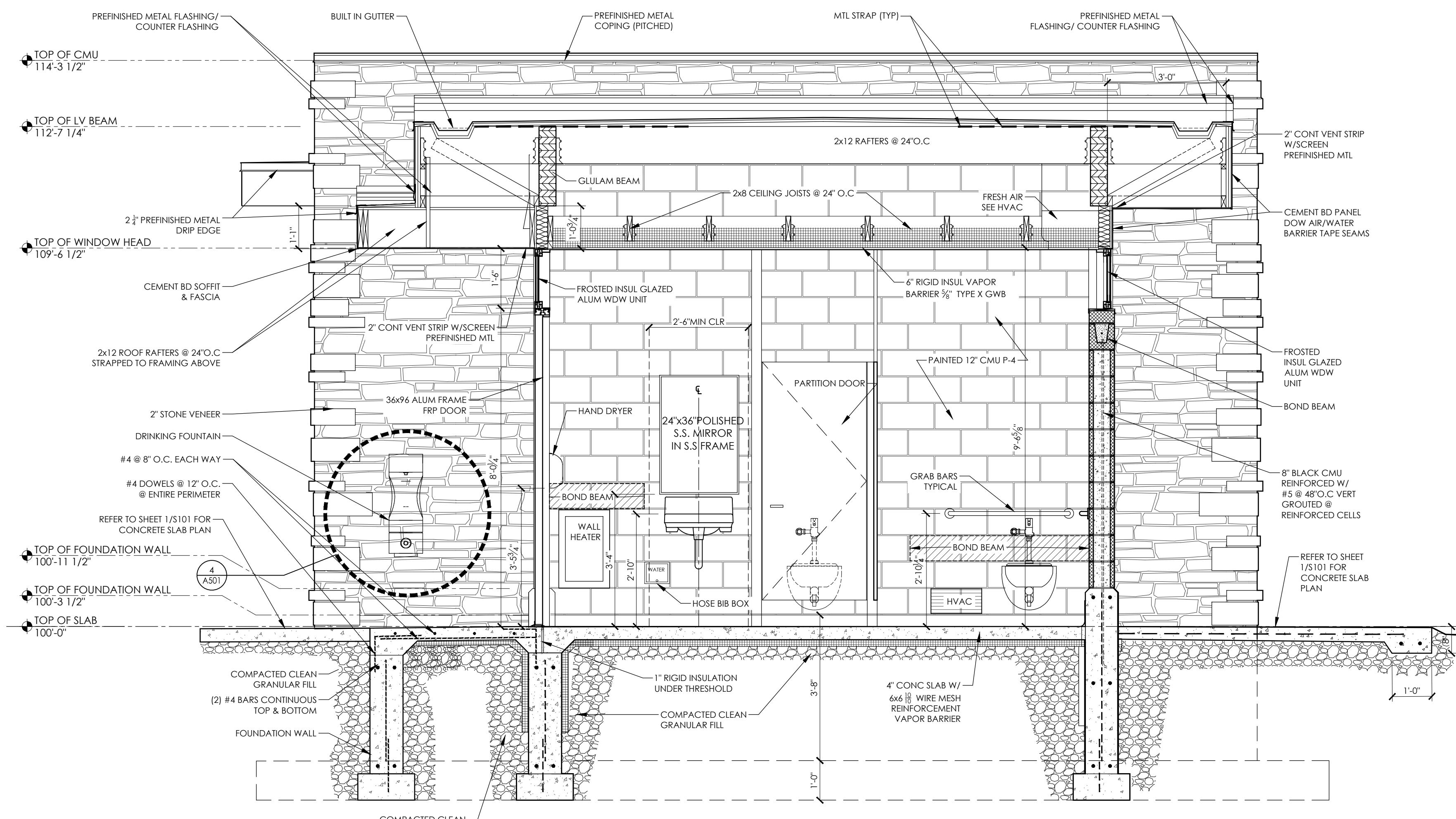
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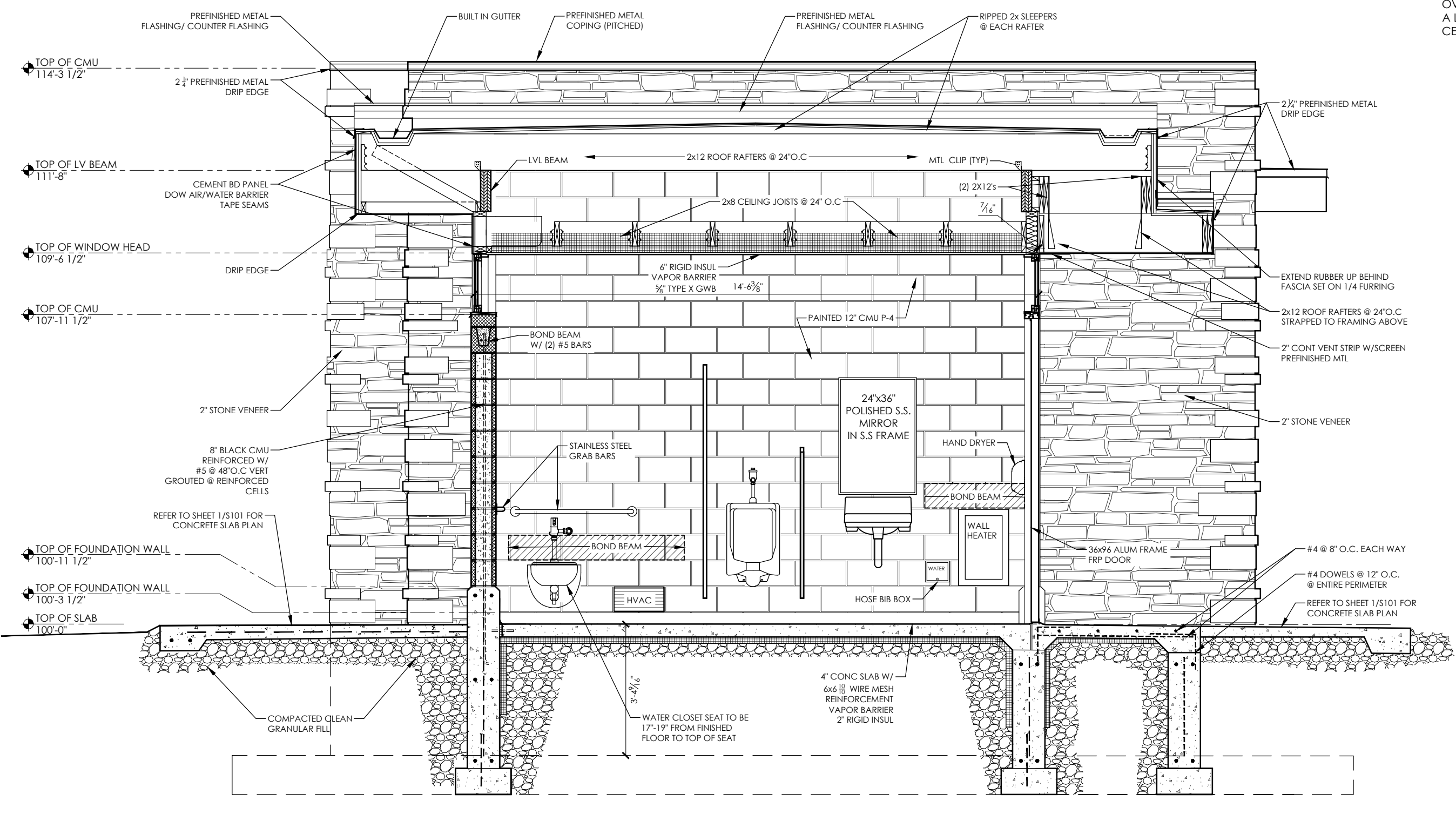
SHEET NAME
WALL SECTIONS
SHEET NUMBER

A500

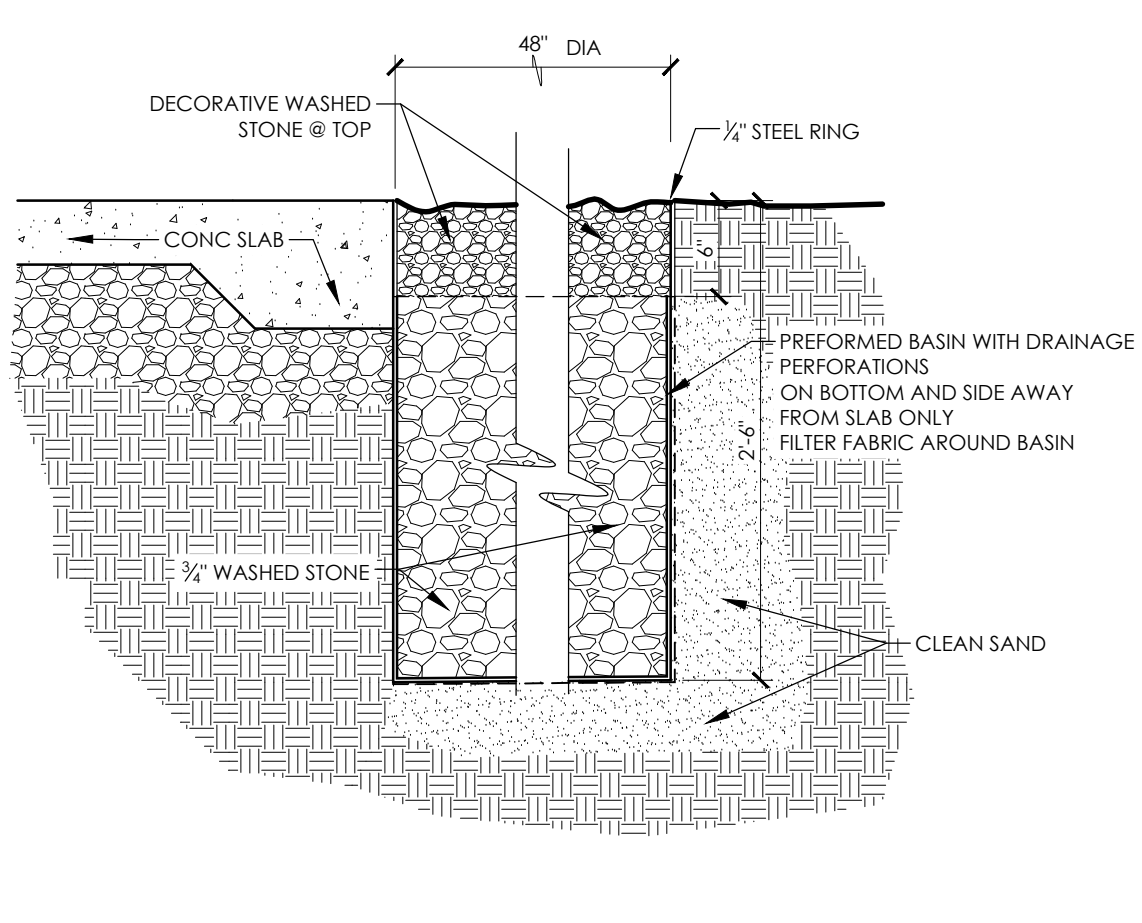
PLOT DATE: 02/07/2024



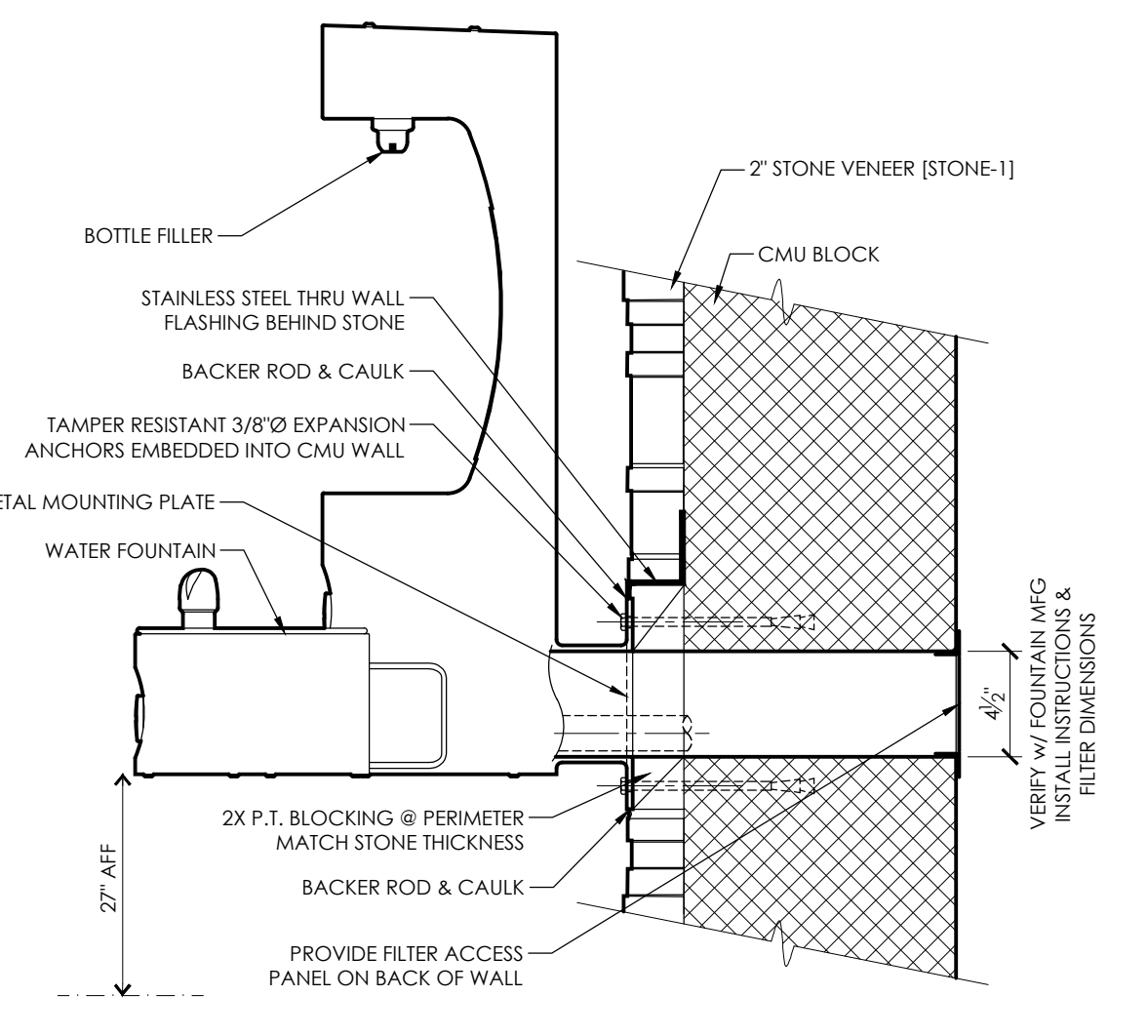
4 BUILDING SECTION @ WOMEN'S
1/2" = 1'-0"



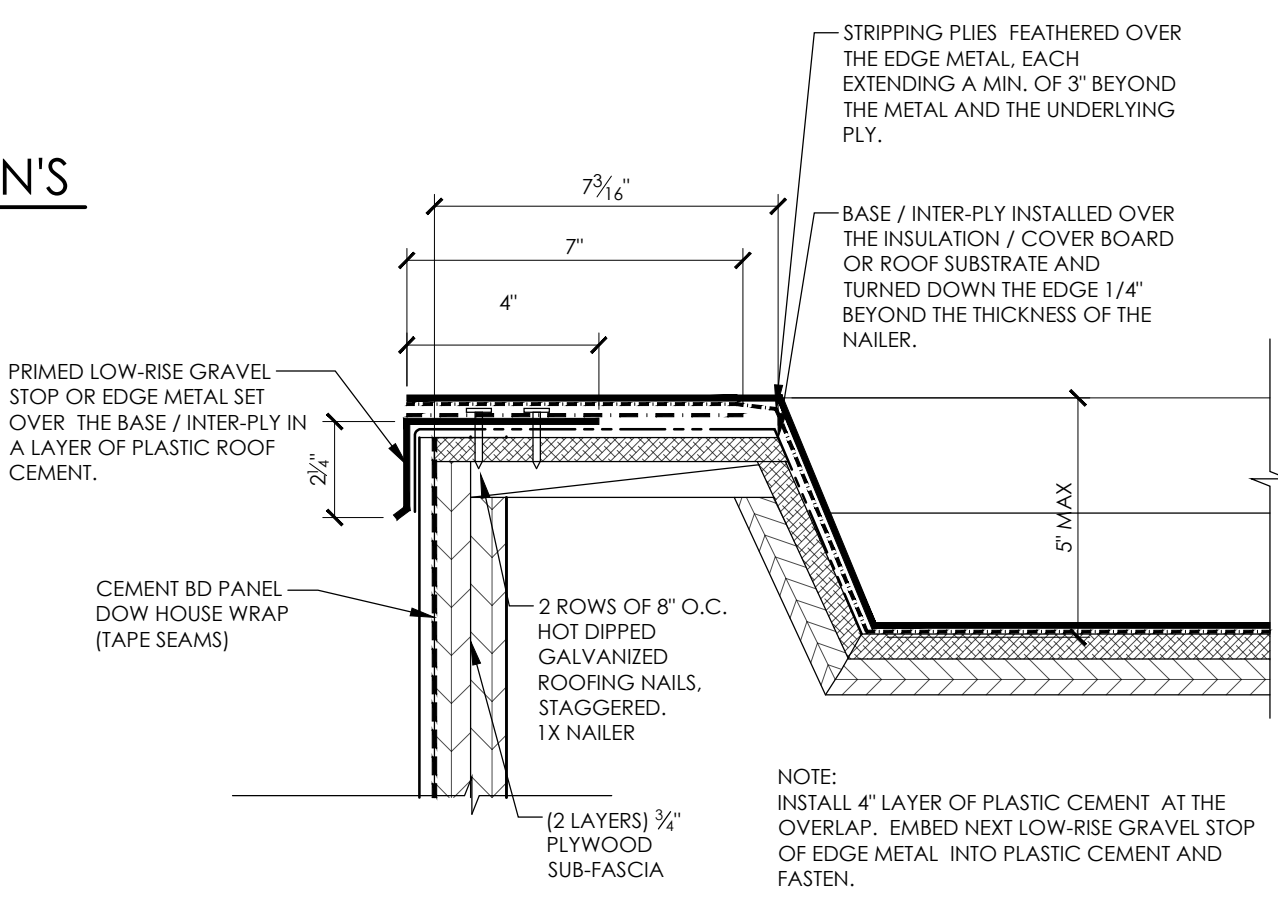
3 BUILDING SECTION MEN'S
1/2" = 1'-0"



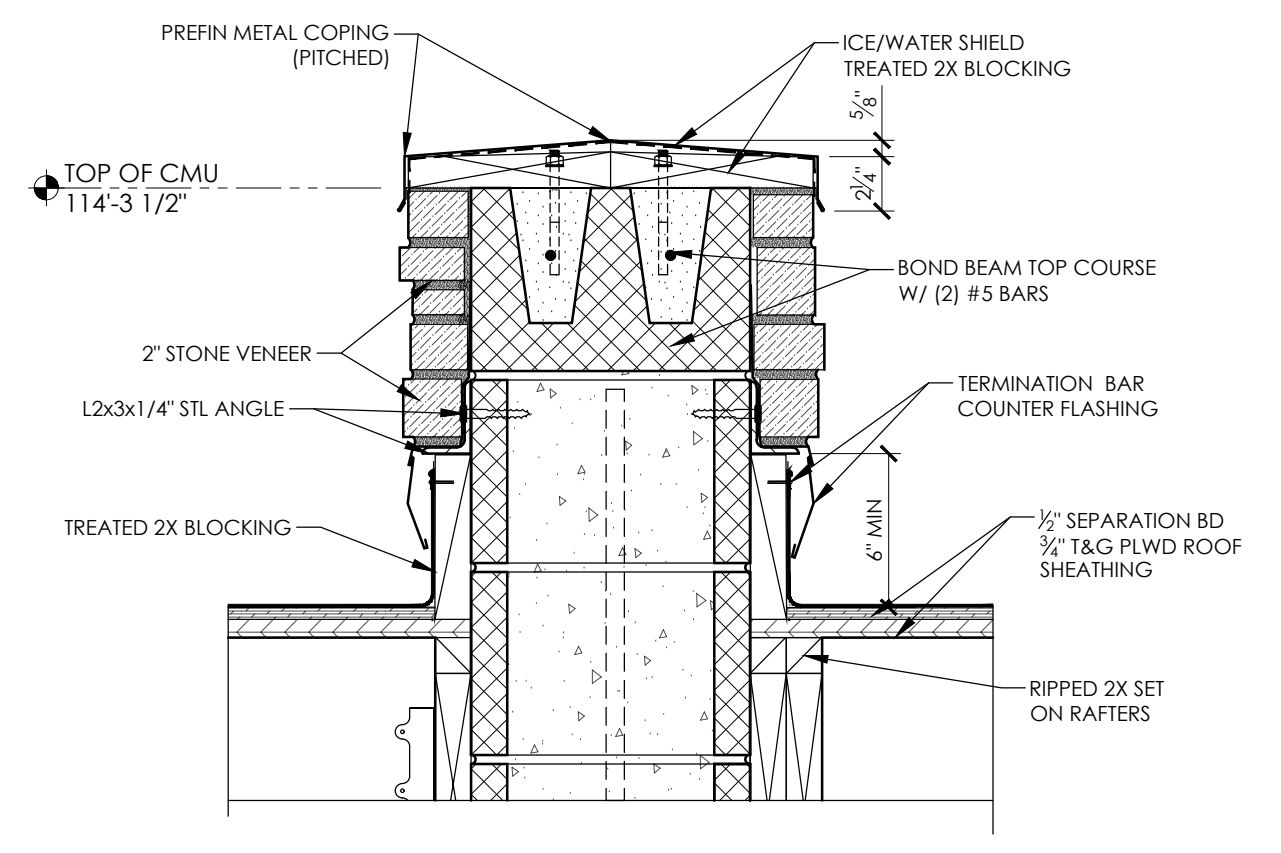
6 DETAIL @ SCUPPER DRYWELL
1" = 1'-0"



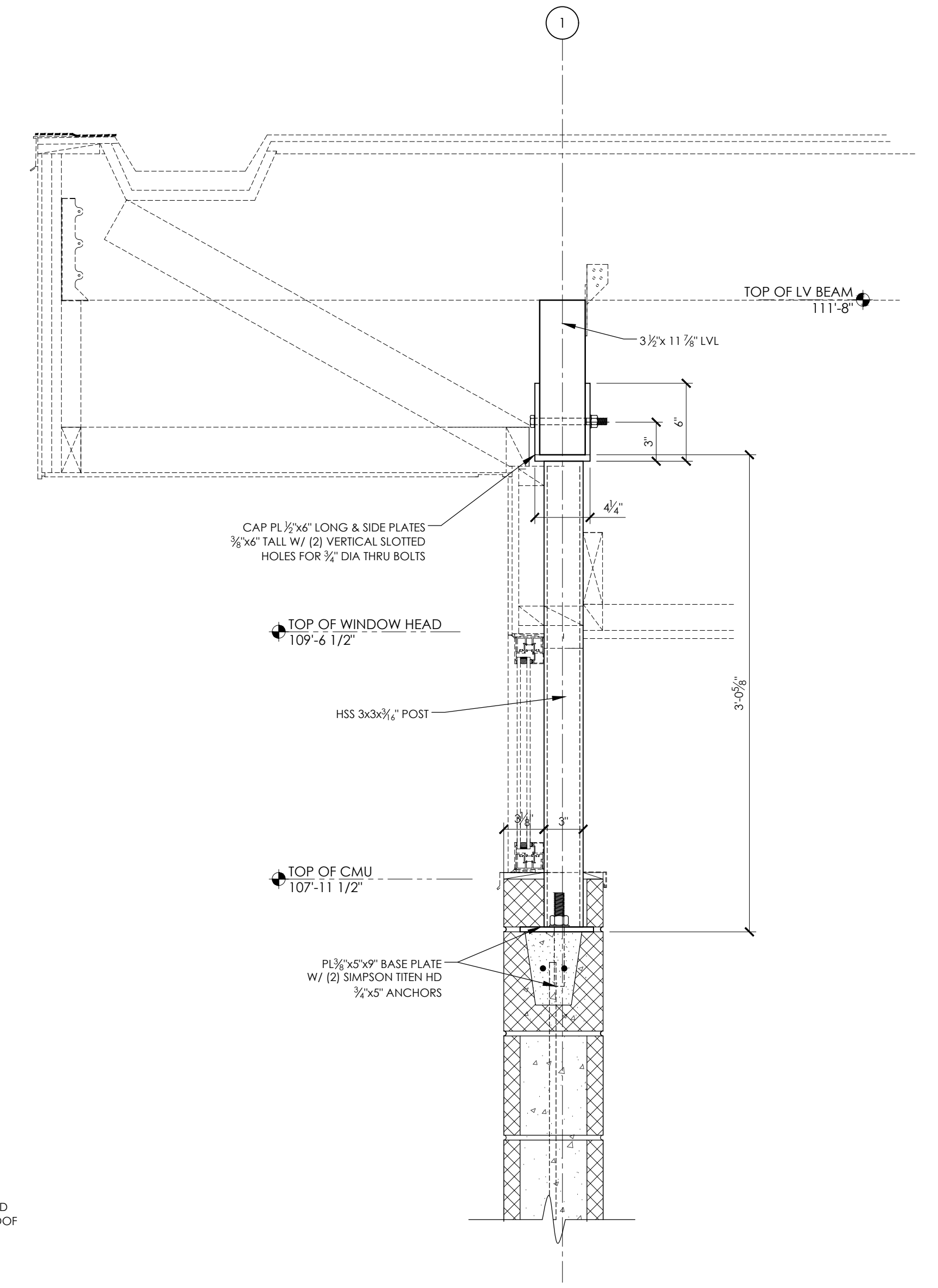
5 DETAIL @ WATER FOUNTAIN
1 1/2" = 1'-0"



2B ROOF EDGE DETAIL
3" = 1'-0"



2A COPING @ STONE WALL
1 1/2" = 1'-0"



1 STEEL COLUMN DTL @ EXT WALL
1 1/2" = 1'-0"

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SHEET NAME
SECTIONS & DETAILS
SHEET NUMBER

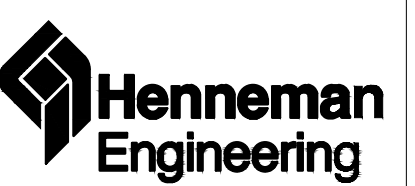
A501



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CONTRACT #9359 / MUNIS # 13937

ISSUANCES:

02.01.24 - BID SET

SHEET NAME
PLUMBING NOTES AND SCHEDULES
SHEET NUMBER

P000

GENERAL CONSTRUCTION NOTES:

- 1. CONTRACTOR IS ADVISED THAT ALL LOCATIONS ARE APPROXIMATE. MODIFIED SYSTEMS SHALL BE APPROVED BY INSURANCE UNDERWRITERS AND LOCAL AUTHORITY HAVING JURISDICTION.
2. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR THEIR OWN DEMOLITION, REMOVAL, CAPPING, STORING, ABANDONING, DISCONNECTING, RELOCATING AND RECONNECTION OF EXISTING EQUIPMENT AND MATERIAL.
3. EXCEPT WHERE OTHERWISE SHOWN OR NOTED ON DRAWING - "TO BE RETAINED, RELOCATED" OR HEREINAFTER NOTED, ALL EXISTING EQUIPMENT AND MATERIAL IN AREAS TO BE REMODELED / ALTERED SHALL BE REMOVED WHERE THEY INTERFERE WITH PROPOSED NEW CONSTRUCTION AND / OR INTERFERE WITH PROPOSED USAGE OF SPACE BY OWNER AS FOLLOWS:
(A) REMOVE ANY PIPES PROTRUDING ABOVE FINISHED FLOOR OR THROUGH WALL AND CAP AND FINISH OVER WITH MATERIAL TO MATCH EXISTING.
(B) REMOVE ALL EQUIPMENT AND PIPING AS NOTED. CAP AT NEAREST ACTIVE MAIN.
(C) IN REMODELED / ALTERED AREAS, ANY PIPING PASSING THROUGH THE REMODELED AREAS TO SERVE (OR BEING SERVED FROM EXISTING ADJACENT, REMOTE, OR SURROUNDING AREA) THAT ARE EXISTING TO REMAIN, SHALL BE RETAINED AND KEPT OPERATIONAL AND SHALL BE REROUTED IN ALL CASES WHERE THEY INTERFERE WITH ANY NEW WORK OR USAGE TO BE ACCOMPLISHED IN THE REMODELED AREA.
(D) PENETRATIONS THROUGH EXISTING WALLS AND FLOORS FORMERLY OCCUPIED BY REMOVED PIPING SHALL BE PATCHED TO MATCH EXISTING CONSTRUCTION.
4. THE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND SHOW THE GENERAL ARRANGEMENT OF ALL EQUIPMENT, PIPING AND CONDUIT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CAREFULLY INVESTIGATING THE STRUCTURAL AND ARCHITECTURAL DRAWINGS AGAINST THE CONTRACTOR'S LAYOUT AND COORDINATION FOR DUCTWORK, PIPING AND CONDUIT BOTH UNDER GROUND AND ABOVE GROUND SHALL TAKE PLACE TO ENSURE THAT THE CONTRACTOR'S EQUIPMENT, PIPING, AND CONDUIT IS LOCATED WITHIN WALLS AND ABOVE CONCEALED CEILINGS.
5. DRAWINGS OF ALL OTHER TRADES SHALL BE REVIEWED AND CONTRACTOR SHALL COORDINATE ALL WORK WITH ALL DUCTWORK AND OTHER TRADES PRIOR TO COMMENCEMENT OF WORK.
6. INSTALL ALL WORK SUBSTANTIALLY AS SHOWN ON THE DRAWINGS. DEVIATIONS FROM LOCATIONS OF PIPING INDICATED ON THE DRAWINGS MAY HAVE TO BE MADE AT NO ADDITIONAL COST TO THE OWNER IN ORDER TO CLEAR THE WORK OF THE OTHER TRADES.
7. WHERE EXISTING PIPING IS REMOVED, EXISTING PIPING TO REMAIN SHALL BE CAPPED BELOW FINISHED FLOORS, WITHIN WALLS AND ABOVE SUSPENDED CEILINGS.
8. ALL PIPING SHALL BE INSTALLED AS HIGH AS POSSIBLE AND ALL SANITARY WASTE, VENT AND WATER SUPPLY PIPING SHALL BE SLOPED TO DRAIN.
9. CONFLICT BETWEEN DRAWINGS AND SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO BID OPENING. THE ENGINEER RESERVES THE RIGHT TO FINAL DECISION.
10. PIPING SHALL NOT BE INSTALLED IN OR ABOVE ELECTRICAL, TELECOMMUNICATION OR IT ROOMS UNLESS NOTED OTHERWISE.
12. ALL INDIRECT WASTE PIPING SHALL BE A MINIMUM OF 3/4" IN DIAMETER AND SHALL BE OF MATERIALS THAT CONFORM WITH SPS 382 STANDARDS LISTED.

PLUMBING ABBREVIATIONS LIST

Table with 2 columns: ABBR, DESCRIPTION. Lists plumbing symbols and their corresponding descriptions such as AF ABOVE FLOOR, AP ACCESS PANEL, BF BELOW FLOOR, etc.

PLUMBING SYMBOLS LIST

Table with 2 columns: SYMBOL, DESCRIPTION. Lists plumbing symbols and their corresponding descriptions such as COLD WATER SUPPLY PIPING, HOT WATER RECIRCULATION / RETURN PIPING, etc.

NOTE: THIS IS A COMPOSITE LIST OF SYMBOLS, NOT ALL PERTAIN SPECIFICALLY TO THIS PROJECT.

PLUMBING FIXTURE SCHEDULE

Table with columns: PLAN MARK, FIXTURE, WASTE, VENT, CW, HW, DESCRIPTION. Lists various plumbing fixtures like water closets, urinals, lavatories, mop basins, etc.

PLUMBING PUMP SCHEDULE

Table with columns: TAG NO., DESCRIPTION, MANUFACTURER / MODEL NO., GPM, DISCHARGE, HEAD (FEET OF WATER) OPERATING, CUT-OFF, FLUID TEMP (°F), PUMP MOTOR DATA (HP, RPM, VOLTS, PHASE).

MAXIMUM ALLOWABLE LOAD FOR COPPER TUBING-TYPE L, ASTM B88; (C=150)

Table showing pressure loss due to friction (in lbs. per 100 feet of length) for various pipe diameters (1/2", 3/4", 1", 1-1/4", 1-1/2", 2", 2-1/2", 3", 4") and flow rates (GPM).

DOMESTIC WATER CALCULATION WORKSHEET - COLD WATER

Worksheet for calculating domestic water pressure for cold water. Includes fields for available pressure, required cold water pressure, difference in elevation, pressure loss due to devices, developed length, and final pressure available after water meter.

DOMESTIC WATER CALCULATION WORKSHEET - WATER SERVICE

Worksheet for calculating domestic water pressure for water service. Includes fields for demand of water service, low pressure at main, difference in elevation, developed length, pressure loss due to friction, pressure loss due to elevation, available pressure at water meter, and pressure loss through water meter.

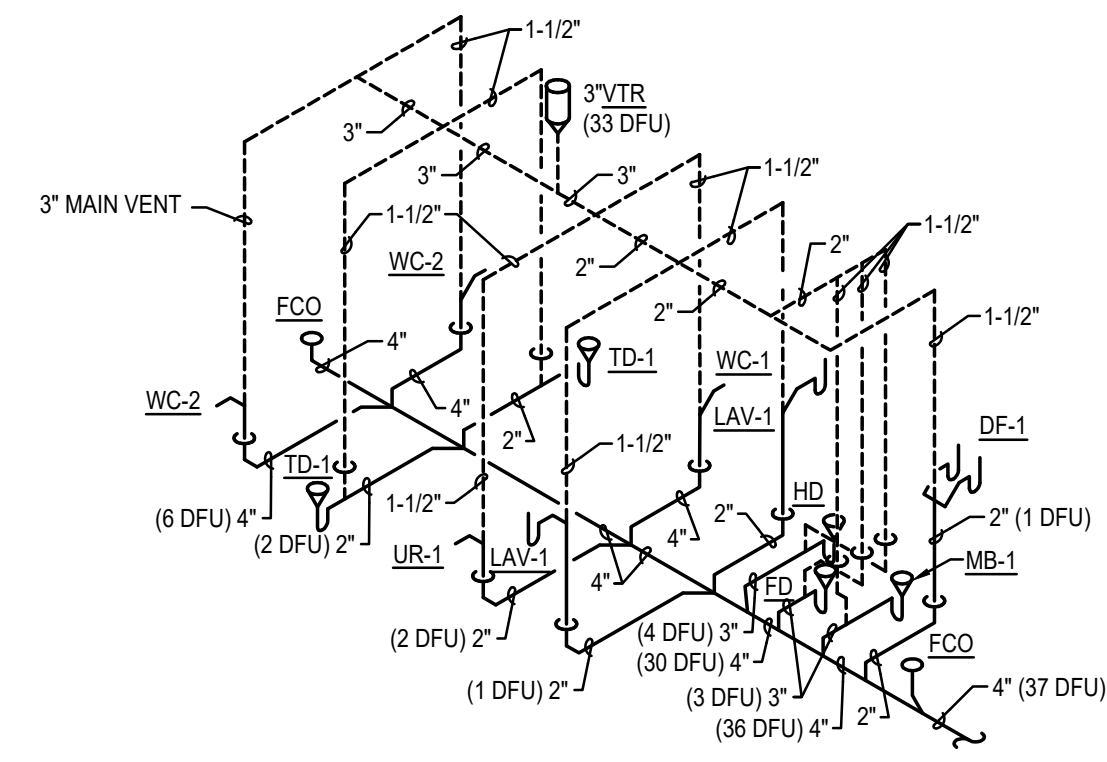
WATER CALCULATION WORKSHEET - COLD SOFT AND HOT WATER

Worksheet for calculating water pressure for cold soft and hot water. Includes fields for available pressure, required hot water pressure, difference in elevation, pressure loss due to devices, developed length, and final pressure available after water meter.

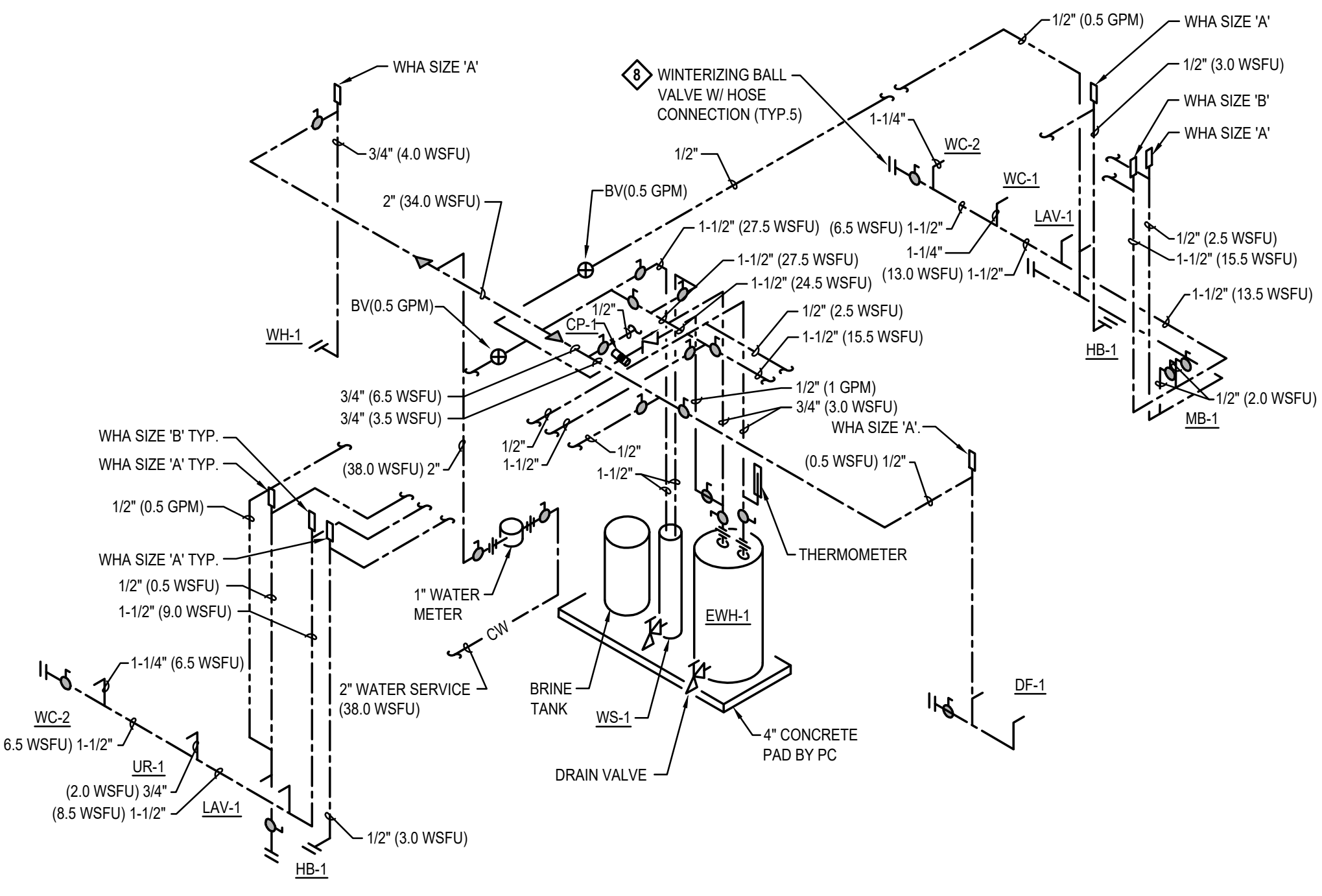
PLOT DATE:

WATER PIPING SIZING CHART (COPPER TYPE 'L')												
PIPE SIZE	COLD WATER @ 19.0 PSI/100'						HOT WATER @ 19.0 PSI/100'					
	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
WSFU (FT)	6.0	14.5	28.5	55.0	103	250	6.0	14.5	28.5	55.0	103	250
WSFU (FM)	-	4.0	6.0	13.5	34.0	128	-	-	-	-	-	-

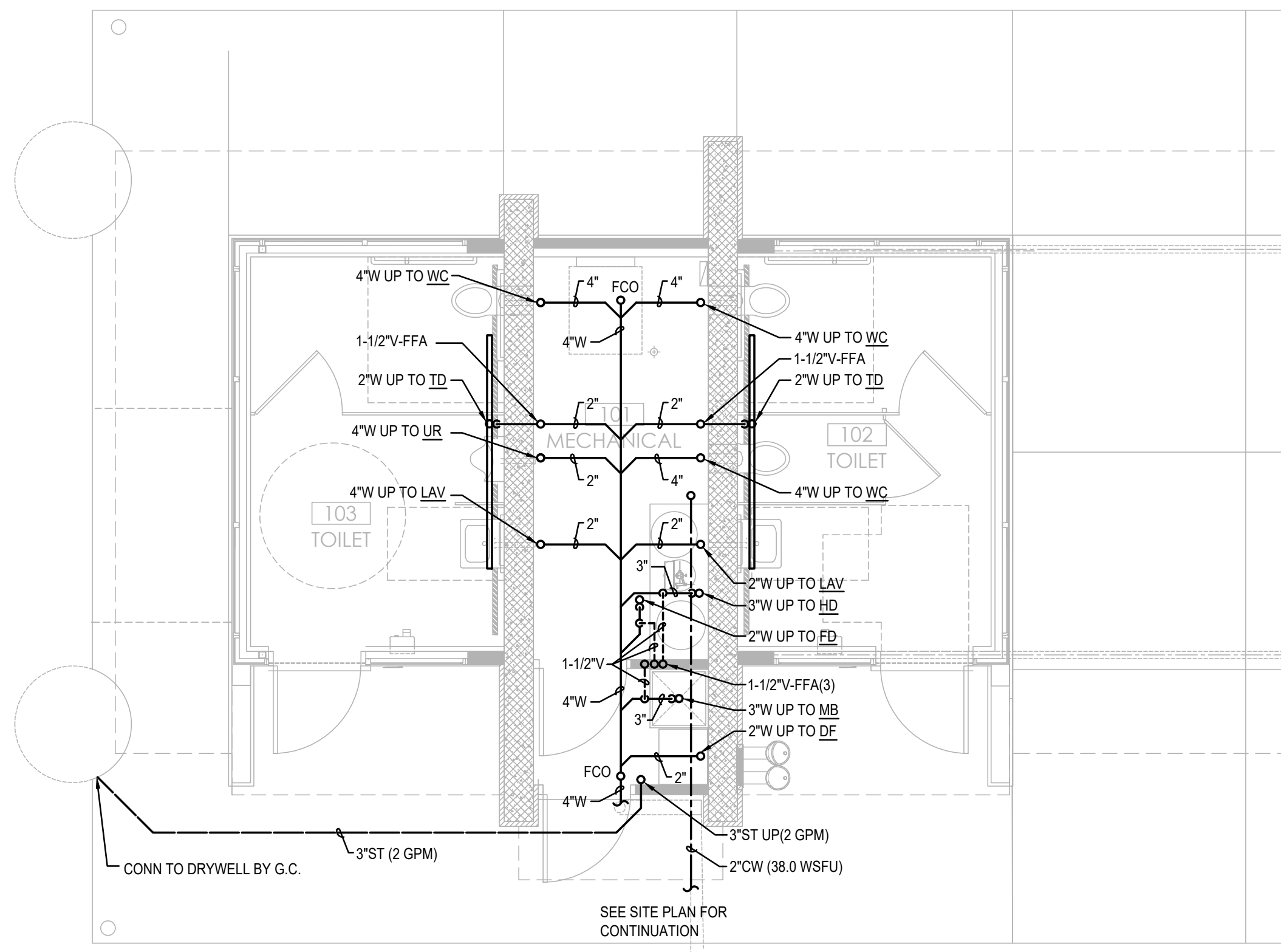
FT = FLUSHTANK
FM = FLUSHMETER



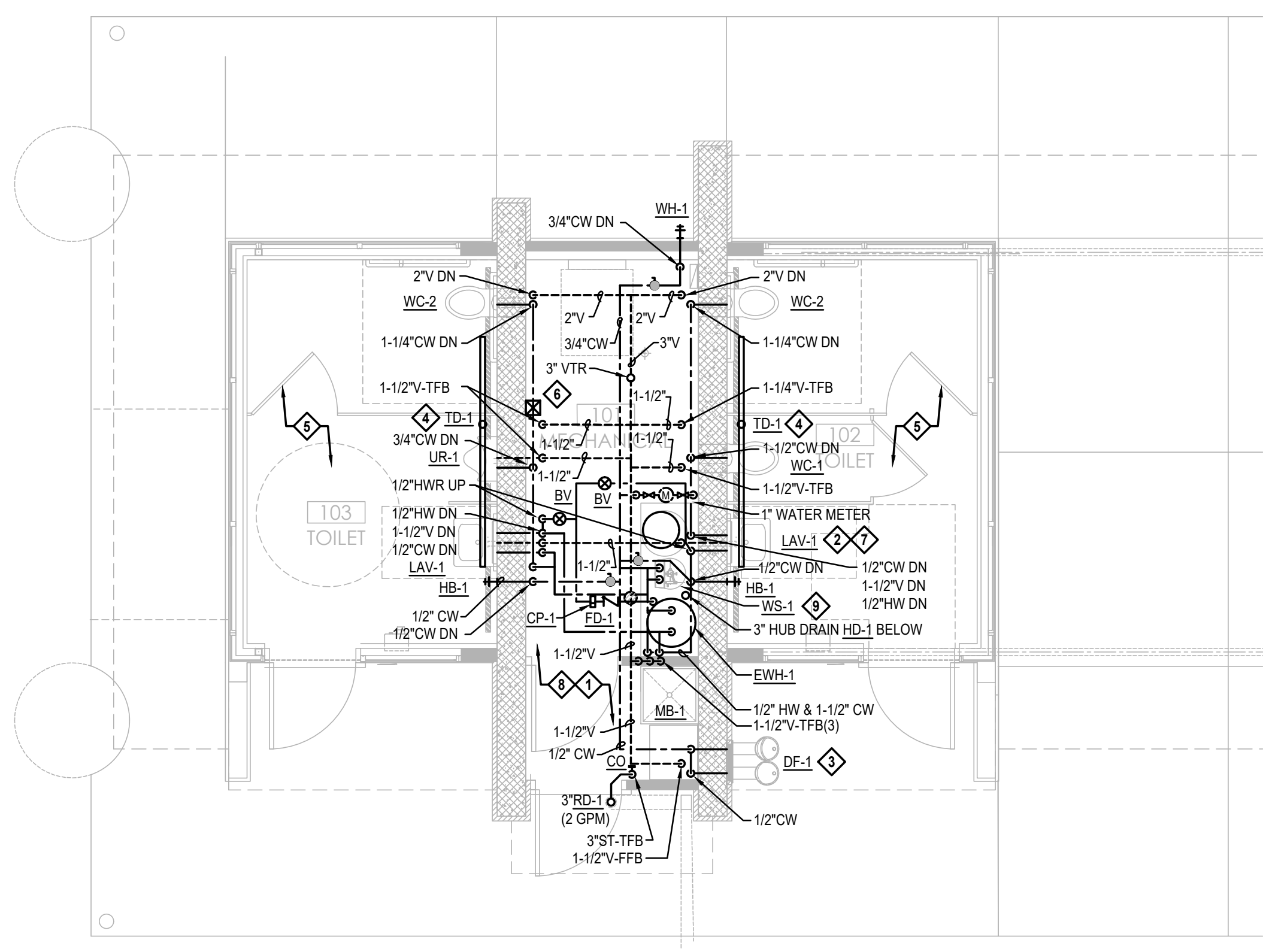
3 WASTE & VENT RISER
NO SCALE



4 WATER PIPING RISER
NO SCALE



1 UNDERGROUND PLAN - PLUMBING
SCALE: 1/4" = 1'-0"
12' 0' 1' 5' 10'



2 FLOOR PLAN - PLUMBING
SCALE: 1/4" = 1'-0"
12' 0' 1' 5' 10'

- GENERAL SHEET NOTES:**
1. PLUMBING CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL EXISTING CONDITIONS.
 2. COORDINATE PHASING OF WORK WITH GENERAL CONTRACTOR.
 3. ALL PLUMBING SHALL BE CONCEALED IN MECHANICAL ROOM.

- KEYED SHEET NOTES:**
1. COORDINATE ROUTING OF PIPING IN MECH ROOM WITH OTHER TRADES FOR PROPER SERVICE CLEARANCES.
 2. COORDINATE INSTALLATION OF LAV WALL CARRIER SUPPORTS WITH GENERAL CONTRACTOR & MASONRY TRADE.
 3. COORDINATE INSTALLATION OF DF WALL CARRIER SUPPORTS WITH GENERAL CONTRACTOR & MASONRY TRADE.
 4. COORDINATE FINAL LOCATIONS OF TRENCH DRAINS WITH FLOOR SLOPE BY GENERAL CONTRACTOR.
 5. COORDINATE PLACEMENT OF RECESSED/FLUSH SENSOR BOX (4X4) AT EACH FIXTURE WITH GENERAL CONTRACTOR & MASONRY TRADE.
 6. COORDINATE SENSOR TRANSFORMER PLACEMENT WITH ELECTRICAL TRADE FOR LINE VOLTAGE POWER. LOW-VOLTAGE POWER BY PLUMBING TRADE IN CONDUIT (EXPOSED) PER DIVISION 16.
 7. MOUNT CONTROL MODULE & TRANSFORMER IN MECHANICAL 101. CABLE CONTROLS THROUGH WALL GROMMET. PROVIDE ADDITIONAL CABLE LENGTHS AS REQUIRED. COORDINATE WORK WITH E.C.
 8. SLOPE ALL WATER PIPING TO LOW POINTS WITH DRAIN VALVE FOR WINTERIZING.
 9. EXTEND BACKWASH LINE TO HUB DRAIN WITH AIR GAP.



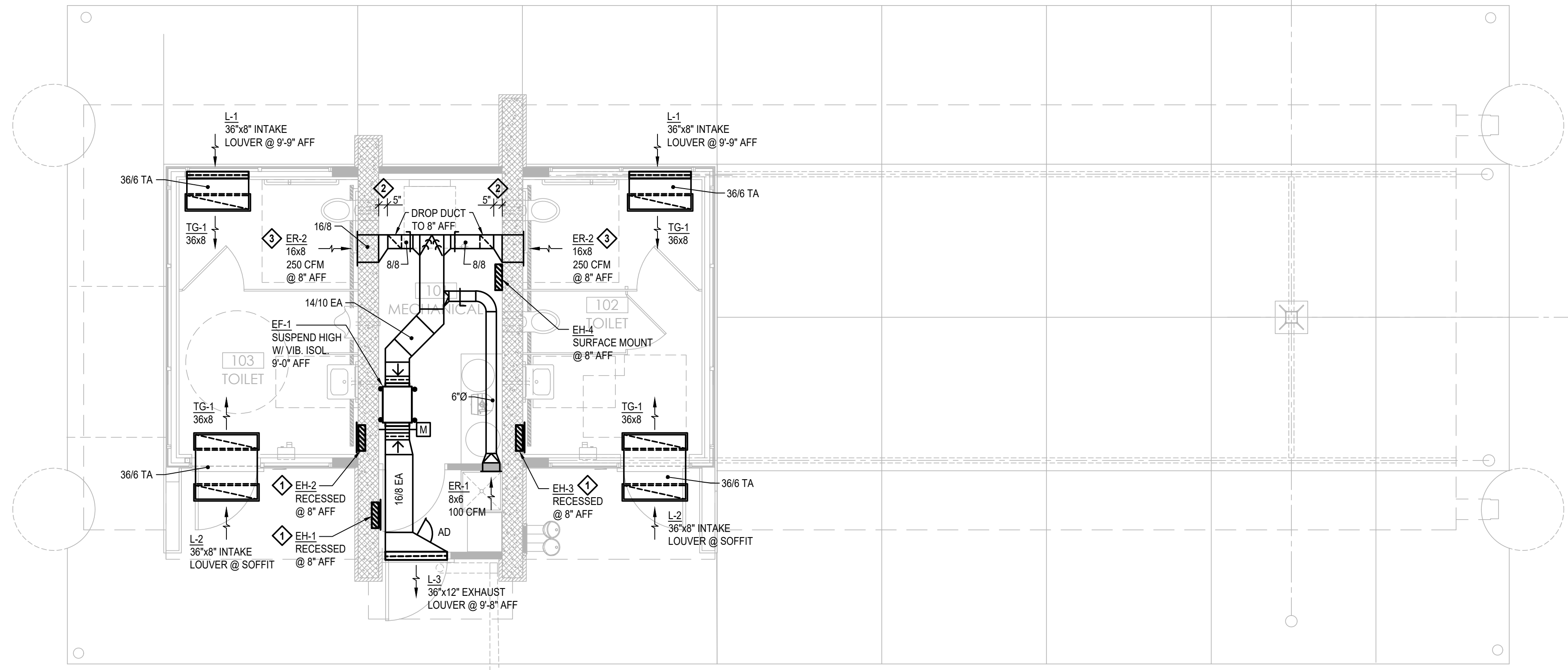
COUNTRY GROVE
PARK SHELTER
7353 EAST PASS
MADISON, WI 53719
CONTRACT #9359 / MUNIS #13937

ISSUANCES:
02.01.24 - BID SET

SHEET NAME
FLOOR PLAN PLUMBING
SHEET NUMBER

P100

PLOT DATE:



1 FLOOR PLAN HVAC
SCALE: 1/4" = 1'-0"
12' 0' 1' 5' 10'

GENERAL SHEET NOTES:

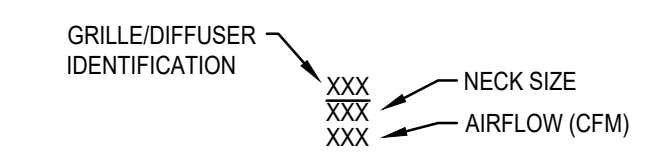
- HVAC CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF HVAC WORK WITH OTHER TRADES.
- COORDINATE PROVISIONS FOR OPENINGS IN NEW CONSTRUCTION WITH THE GENERAL CONTRACTOR FOR APPROVAL PRIOR TO STARTING WORK.
- HVAC CONTRACTOR IS RESPONSIBLE FOR CUTTING AND PATCHING WALLS, FLOORS & CEILINGS FOR NEW HVAC WORK, IF REQUIRED.
- COORDINATE FINAL CEILING REGISTER AND GRILLE LOCATIONS WITH OTHER TRADES.
- COORDINATE DUCTWORK ROUTING WITH OTHER TRADES TO MAINTAIN SCHEDULED CEILING HEIGHTS.
- PROVIDE PROPER SERVICE CLEARANCES AND ACCESS SPACE FOR ALL NEW EQUIPMENT.
- PROVIDE ACCESS PANELS TO SERVICE EQUIPMENT, WHERE REQUIRED.

KEYED SHEET NOTES:

- COORDINATE RECESS OPENINGS IN BLOCK WALLS FOR ELECTRIC WALL HEATERS WITH GENERAL CONTRACTOR & MASONRY CONTRACTOR.
- DROP DUCT 5" AWAY FROM WALL TO ALLOW CLEARANCE FOR PLUMBING PIPING.
- COORDINATE DUCT OPENING IN BLOCK WALLS WITH GENERAL CONTRACTOR & MASONRY CONTRACTOR.

HVAC SYMBOLS & ABBREVIATIONS

SYMBOL	DESCRIPTION
[Symbol]	SUPPLY OR OUTDOOR AIR DUCT
[Symbol]	SUPPLY OR OUTDOOR DUCT (HIDDEN BEHIND ANOTHER DUCT)
[Symbol]	RETURN AIR DUCT
[Symbol]	RETURN AIR DUCT (HIDDEN BEHIND ANOTHER DUCT)
[Symbol]	EXHAUST OR RELIEF AIR DUCT
[Symbol]	EXHAUST OR RELIEF AIR DUCT (HIDDEN BEHIND ANOTHER DUCT)
[Symbol]	TURNING VANES
[Symbol]	MANUAL VOLUME DAMPER
[Symbol]	MOTORIZED DAMPER
EA	EXHAUST AIR
FA	FRESH AIR
OA	OUTSIDE AIR
RA	RETURN AIR
TA	TRANSFER AIR
PC	PLUMBING CONTRACTOR
MC	MECHANICAL CONTRACTOR
EC	ELECTRICAL CONTRACTOR
AFF	ABOVE FINISHED FLOOR
EF	EXHAUST FAN
EH	ELECTRIC HEATER
EWH	ELECTRIC WALL HEATER
L	LOUVER
MD	MOTORIZED DAMPER



GRILLE/DIFFUSER TAG

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COUNTRY GROVE
PARK SHELTER
7353 EAST PASS
MADISON, WI 53719
CONTRACT #9359 / MUNIS # 13937

ISSUANCES:

02.01.24 - BID SET

SHEET NAME
FLOOR PLAN HVAC
SHEET NUMBER

H100

PLOT DATE:

ELECTRIC HEAT SCHEDULE										
PLAN MARK	MANUFACTURER	MODEL	TYPE	SIZE (HxWxD)	WATTS	CAPACITY (BTUH)	ELECTRIC			REMARKS
							VOLTS	PHASE	AMPS	
EH-1	Q-MARK	AWH-4404	RECESSED WALL HTR	18-1/4"x15-3/4"x3-7/8"	2,000	6,825	240	1	8.3	1. 2.
EH-2	Q-MARK	AWH-4404	RECESSED WALL HTR	18-1/4"x15-3/4"x3-7/8"	4,000	13,650	240	1	16.7	1. 2. 3.
EH-3	Q-MARK	AWH-4404	RECESSED WALL HTR	18-1/4"x15-3/4"x3-7/8"	4,000	13,650	240	1	16.7	1. 2. 3.
EH-4	Q-MARK	AWH-4404	SURFACE WALL HTR	18-1/4"x15-3/4"x3-7/8"	2,000	6,825	240	1	8.3	1. 2. 4.

REMARKS:

- INTEGRAL TAMPER PROOF THERMOSTAT.
- BUILT-IN DISCONNECT SWITCH.
- LFKSF: 14GA SECURITY FRONT COVER
- AWHSM: SURFACE MOUNTING FRAME.

LOUVER SCHEDULE										
PLAN MARK	MANUFACTURER	MODEL	TYPE	METAL	MIN. FREE AREA (SQ. FT.)	SERVICE	HEIGHT (IN.)	WIDTH (IN.)	DEPTH (IN.)	REMARKS
L-2	VENT PRODUCTS	2600-31-34	STATIONARY	EXT. ALUM.	0.61	TRANSFER AIR	8"	36"	2"	2. 3. 4. FLANGED FRAME W/ SUB-FRAME
L-3	VENT PRODUCTS	2600	STATIONARY	EXT. ALUM.	1.02	EXHAUST AIR	12"	36"	2"	1. 4. BUCK FRAME

REMARKS:

- BIRD SCREEN - ALUM.
- 18"x16" MESH ALUM. INSECT SCREEN.
- ALUM. SUB-FRAME (BUCK FRAME)
- POWDER COAT BAKED ENAMEL FINISH - BLACK; FINAL COLOR SELECTION BY ARCHITECT.

DIFFUSERS, REGISTERS AND GRILLES SCHEDULE											
PLAN MARK	DESCRIPTION	MANUFACTURER	MODEL	SIZE		MOUNTING	SERVICE	CFM	AIR PATTERN	REMARKS	
				NECK (WxH)	FACE (L)						
ER-1	HEAVY DUTY EXHAUST REGISTER	KEES	GHD40	8"x8"	-	SURFACE/WALL	EXHAUST	100	40° BLADES	1. 2. 3.	
ER-2	HEAVY DUTY EXHAUST REGISTER	KEES	GHD40	16"x8"	-	SURFACE/WALL	EXHAUST	250	40° BLADES	1. 2. 3.	
TG-1	HEAVY DUTY TRANSFER GRILL	KEES	GHD40	36"x8"	-	SURFACE/CEILING	TRANSFER	-	40° BLADES	1. 3.	

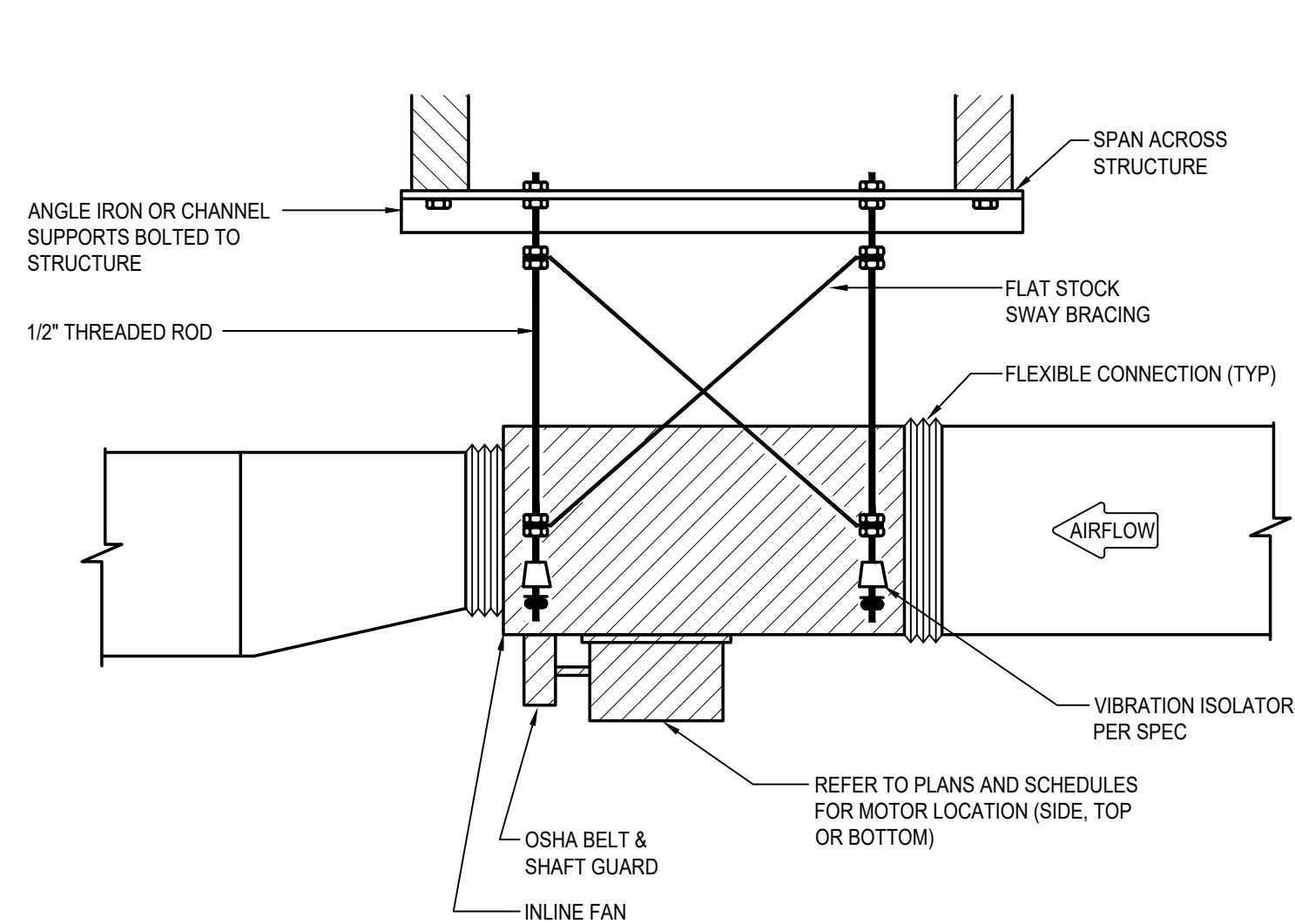
REMARKS:

- WHITE FINISH.
- OPPOSED BLADE DAMPER.
- SUB-FRAME 24 GAUGE.

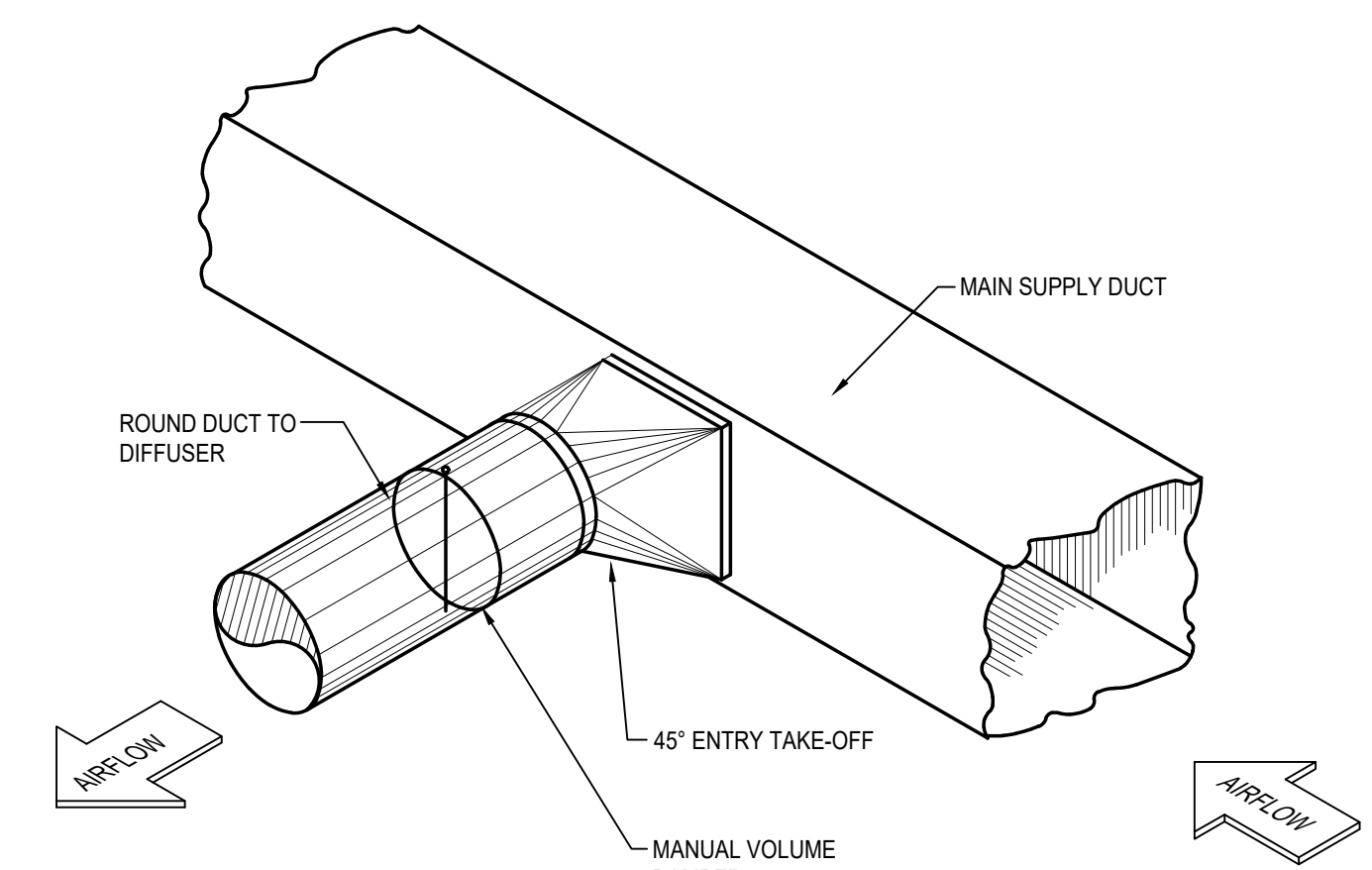
FAN SCHEDULE											
PLAN MARK	SERVICE	LOCATION	AIRFLOW (CFM)	STATIC PRESS. (IN. W.G.)	FAN			MOTOR			REMARKS
					FAN TYPE	DRIVE TYPE	SPEED (RPM)	MOTOR SIZE (HP)	VOLT.	PHASE	
EF-1	TOILETS & MECH	101 MECHANICAL	600	1/2"	IN-LINE	DIRECT	1241	1/4	115	1	1. 2. 3. 4. 5. 6. 7.

REMARKS:

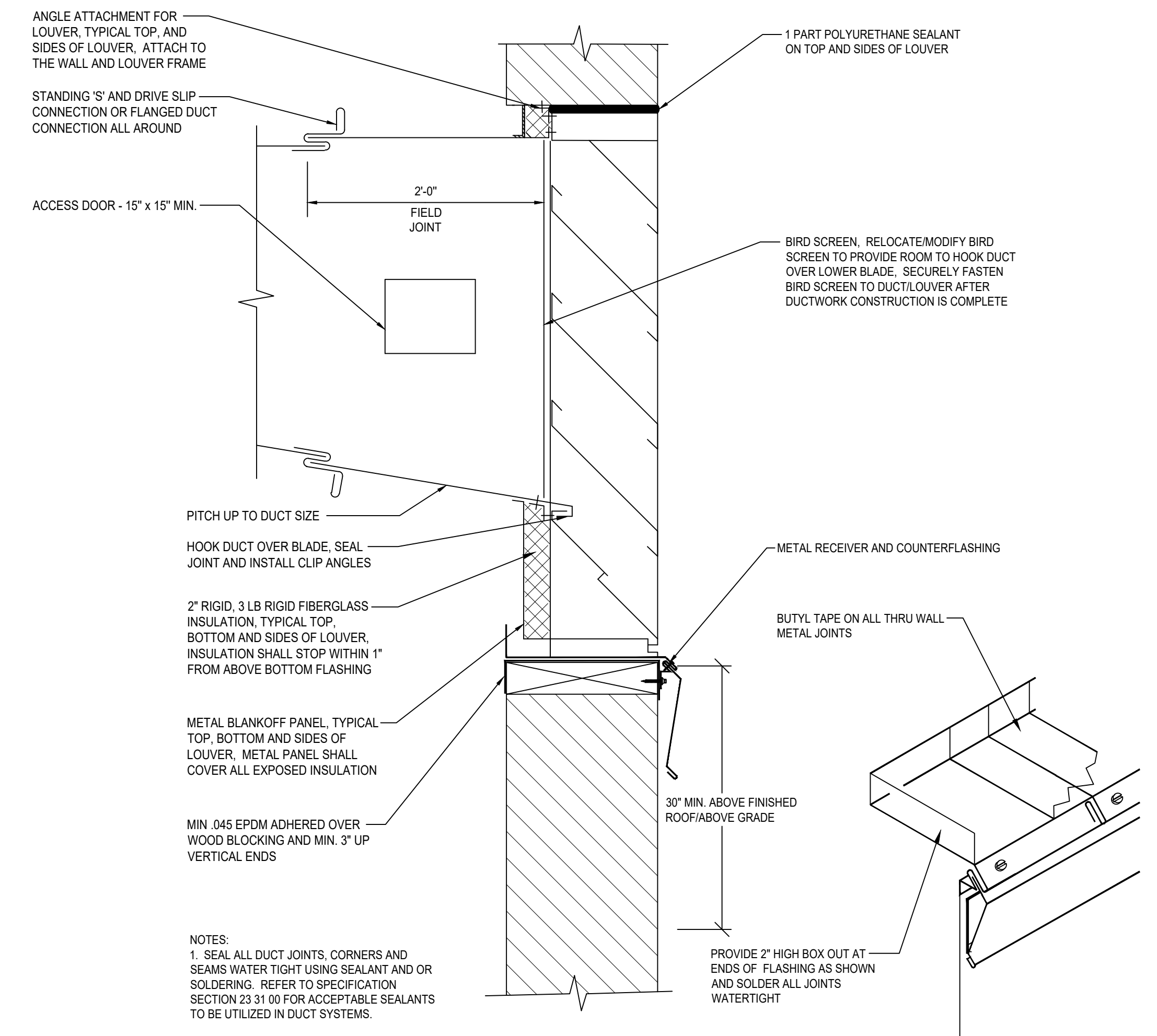
- ALL EF-1 LINE VOLTAGE CONTROLS WIRED BY E.C.; BASIS OF DESIGN IS GREENCHECK.
- INERLOCK EF-1 WITH LCP BUILDING OCCUPIED MODE SCHEDULE.
- ECM MOTOR WITH UNIT MOUNTED POTENTIOMETER FOR BALANCING.
- MOTORIZED (115V) OPPOSED BALDE, LOW LEAKAGE DAMPER.
- DIRECT-COUPLED EXTERNAL ACUATOR (BELEMO).
- NEMA 1 DISCONNECT SWITCH UNIT MOUNTED.
- INSULATED HOUSING.



3 SUSPENDED INLINE FAN DETAIL
NO SCALE

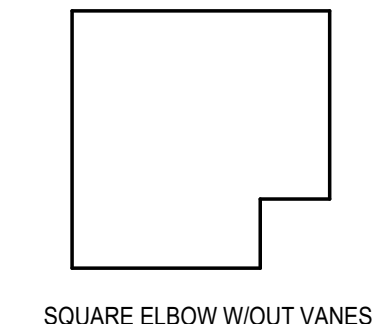


4 BRANCH TAKE-OFF DETAIL
NO SCALE

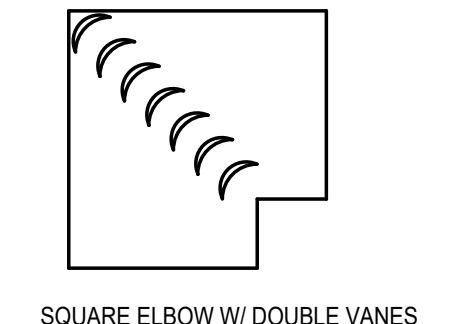


1 LOUVER INSTALLATION DETAIL
NO SCALE

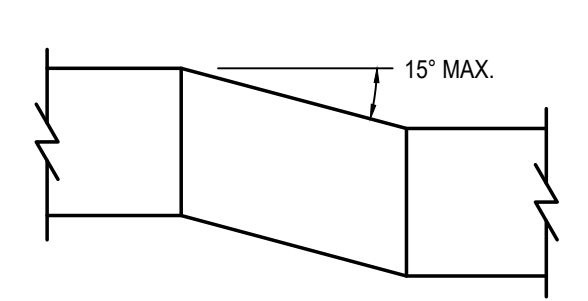
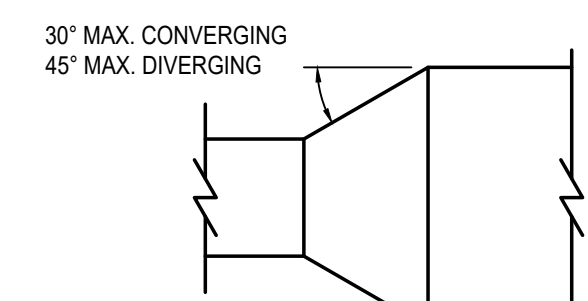
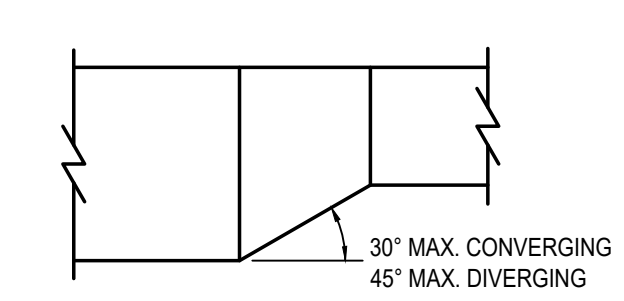
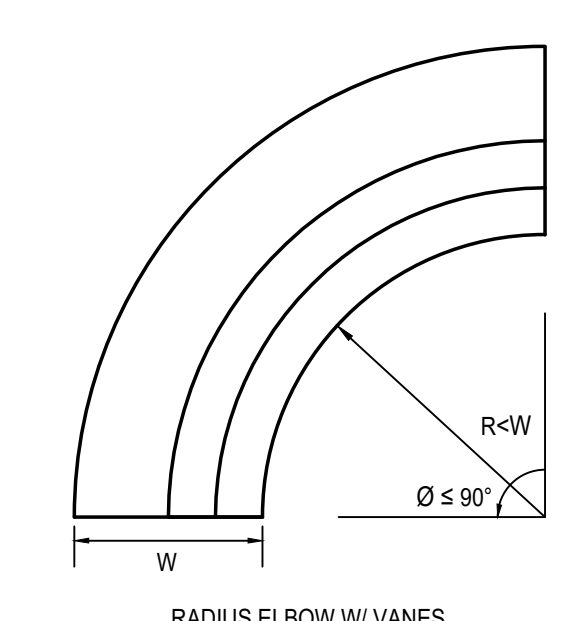
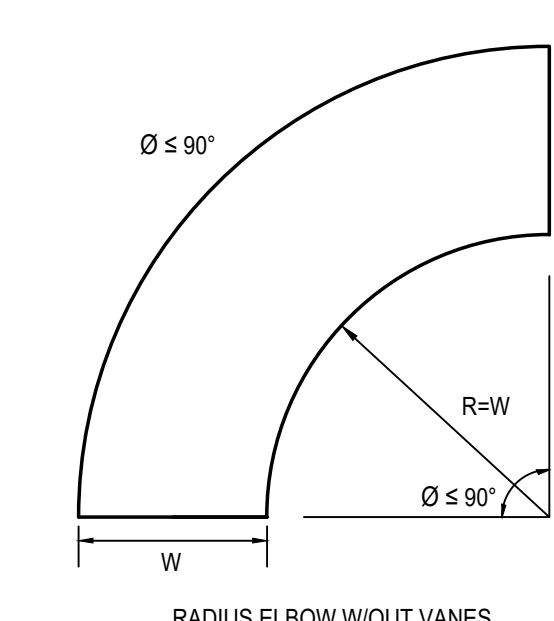
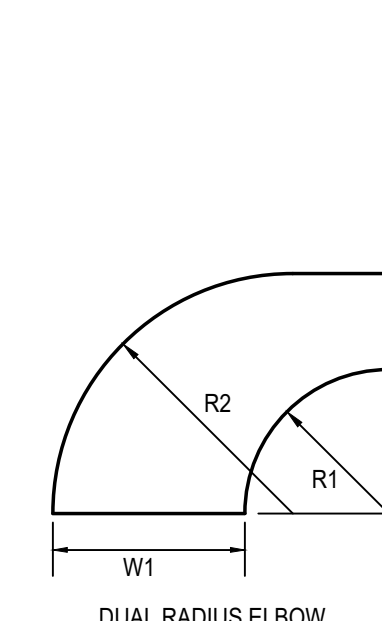
TO BE USED ON EXHAUST SYSTEMS ONLY & ONLY WHERE INDICATED ON THE DRAWINGS.



TO BE USED ONLY WHERE INDICATED ON THE DRAWINGS.



RADIUS ELBOW VANE SPACING		
"W"	NO. OF VANES	VANE SPACING
18" OR SMALLER	1	VANE SPACING TO CONFORM TO SMACNA STANDARDS
19" THROUGH 35"	2	
36" OR GREATER	3	



2 TYPICAL DUCT FITTINGS DETAIL
NO SCALE



COUNTRY GROVE
PARK SHELTER
7353 EAST PASS
MADISON, WI 53719
CONTRACT #9359 / MUNIS # 13937

ISSUANCES:
02.01.24 - BID SET

SHEET NAME
HVAC SCHEDULES AND DETAILS
SHEET NUMBER

H102

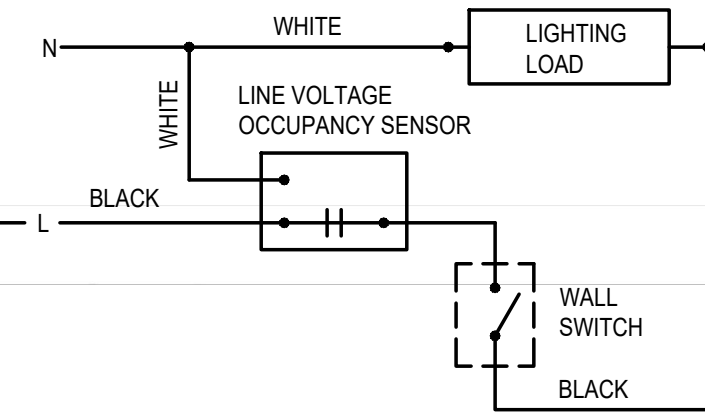
ELECTRICAL MOTOR/EQUIPMENT SCHEDULE

TAG	1	2	3	4	5	6	7
PANEL NO.	A	A	A	A	A	A	A
CIRCUIT BREAKER	SEE PLAN	SEE PLAN	SEE PLAN	SEE PLAN	SEE PLAN	SEE PLAN	SEE PLAN
POLE	1	2	2	2	2	2	1
WIRING NO.	2+G (#12)	2+G (#10)	2+G (#12)	2+G (#10)	2+G (#10)	2+G (#12)	2+G (#12)
TYPE	THHN	THHN	THHN	THHN	THHN	THHN	THHN
SIZE	#12	#10	#12	#10	#10	#12	#12
COND.	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
ELECTRICAL HP	1/4	(4.5)	(2.0)	(4.0)	(4.0)	(2.0)	1/25
VOLT	115	240	240	240	240	240	115
PHASE	1	1	1	1	1	1	1
FLA (MCA)	3.7 (4.6)	18.8 (23.4)	8.3 (10.4)	16.7 (20.9)	16.7 (20.9)	8.3 (10.4)	0.22
STARTER TYPE	N.R.	w/UNIT	w/UNIT	w/UNIT	w/UNIT	w/UNIT	N.R.
BY	-	P.C.	H.C.	H.C.	H.C.	H.C.	-
CONTROL TYPE	LCP	AQUASTAT w/UNIT	STAT	STAT	STAT	STAT	INTEGRAL TIMECLOCK
BY	E.C.	P.C.	H.C.	H.C.	H.C.	H.C.	P.C.
DISCONNECT TYPE	w/UNIT	NEMA 1 H.D.	w/UNIT	w/UNIT	w/UNIT	w/UNIT	GFI RECEPTACLE
BY	H.C.	E.C.	H.C.	H.C.	H.C.	H.C.	E.C.
REMARKS	EXHAUST FAN EF-1	ELECTRIC WTR. HTR. EWH	ELECTRIC HEATER EH-1	ELECTRIC HEATER EH-2	ELECTRIC HEATER EH-3	ELECTRIC HEATER EH-4	DHW RECIRC. PUMP CP-1

E.C. = ELECTRICAL CONTRACTOR
 H.C. = HVAC CONTRACTOR
 P.C. = PLUMBING CONTRACTOR
 G.C. = GENERAL CONTRACTOR

N.R. = NOT REQUIRED
 H.D. = HEAVY DUTY

① PROVIDE GREEN WIRE GROUND TO ALL MOTORS AND EQUIPMENT PER NEC 250-95.



2 OCCUPANCY SENSOR WIRING SCHEMATIC

NO SCALE

LIGHTING FIXTURE SCHEDULE

TAG	NO.	TYPE	WATTS	DESCRIPTION	MOUNTING	MFGR. & MODEL	REMARKS
A	-	LED	45	W/FIXTURE	SURFACE/CORNER MTD	KENALL - MLH45-48-R-MW-PP-1-45L40K-DCC-1-120-CMB	(1)(2) 4 FT CORNER MTD SURFACE WRAP
B	-	LED	42	W/FIXTURE	SURFACE/PENDANT/CLG	LITHONIA - ZL2N-148-3000LM-MDD-MVOLT-40K-80CRI-WH + HC36	(1)(4) 4 FT SURFACE PENDANT CHAIN HUNG STRIP
XA	-	LED	21	W/FIXTURE	RECESSED/SOFFIT	KENALL - HRDEL-HAD16-F-5FW-22L-40K-W-CSS-G-RIG-DV-DIM1	(1)(3) EXT. RECESSED 6" CAN 21.000L 40K

LAMP ABBREVIATIONS:

LED=LIGHT EMITTING DIODE

REMARKS:

- ① LED LAMPING/DRIVER.
- ② CORNER MTG BRACKET (CMB).
- ③ WET LOCATION UL LISTED.
- ④ CHAIN HUNG FIXTURE.

ALL VOLTAGES ARE 120 VOLT UNLESS INDICATED OTHERWISE.

OCCUPANCY SENSOR SCHEDULE

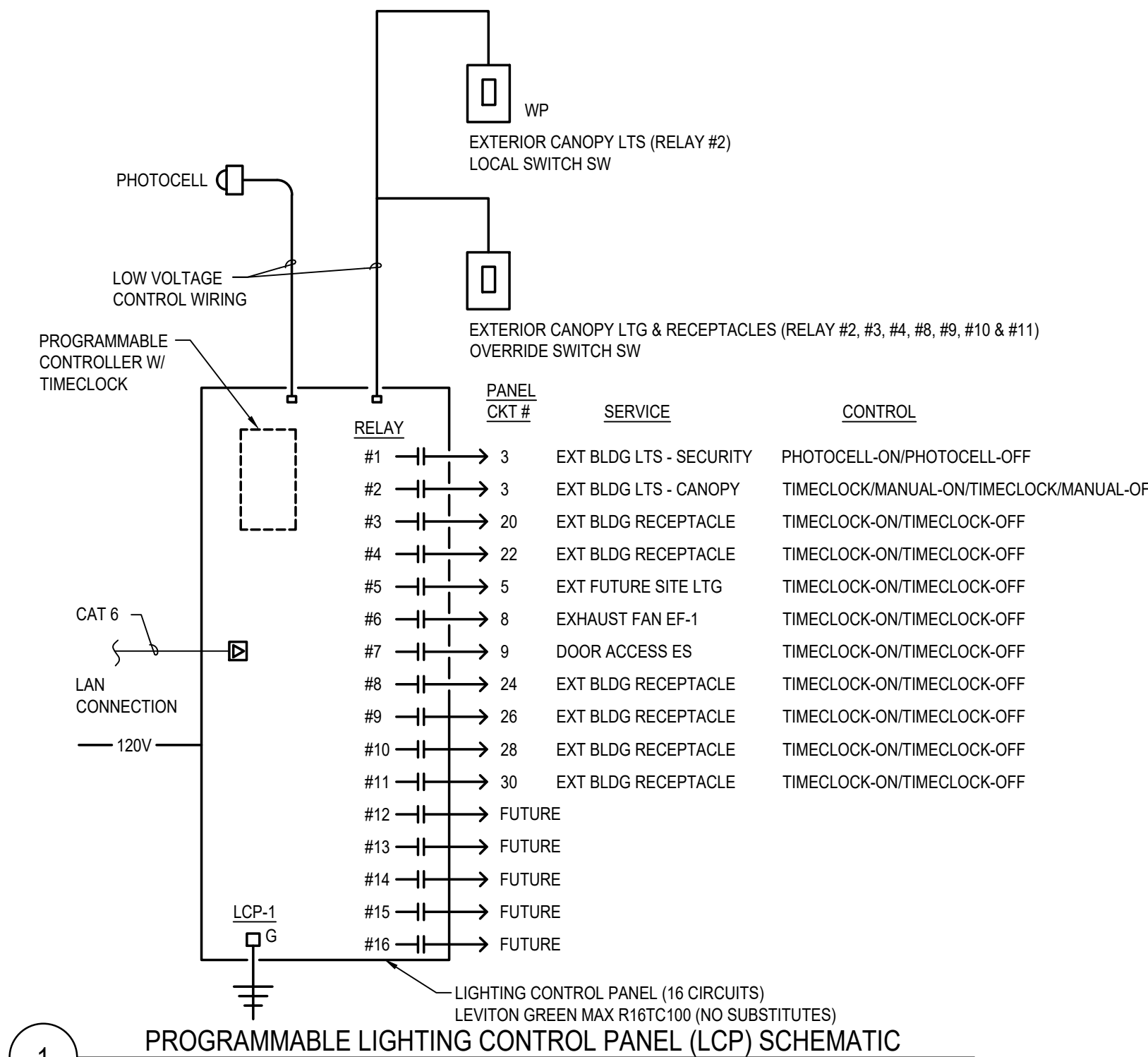
SYMBOL	MOUNTING	VOLTAGE	RATED CURRENT /LOAD	SENSOR TYPE	COVERAGE	MFGR. & MODEL	REMARKS
OS	SURFACE/CLG	120 VAC	800 Watt	DT	360° 24'x24'	SENSOR SWITCH RMR-PDT-9	RECESSED CLG MTD DT
OS	WALL SWITCH	120 VAC	800 Watt	DT	160° 20'	SENSOR SWITCH WSD-PDT	(1) WALL SWITCH DT

ABBREVIATIONS:

PIR=PASSIVE INFRARED
 U=ULTRASONIC
 DT=DUAL TECHNOLOGY (PIR+U)

(1) COORDINATE PLATE FINISH COLOR WITH ARCHITECT.

PANELBOARD NAME	VOLTAGE	PHASE	WIRE	BUS SIZE	MAIN	AIC RATING						
PANEL-A	240 / 120	1	3	225	MCB	22KA						
LOCATION	FEED FROM	SOURCE LOCATION	# OF CKTS	MOUNT	NEMA ENCLOSURE							
MECHANICAL 101	TRANSFORMER	42	SURFACE	TYPE 1								
LOAD	CB ACCESS.	W OF BRK	PHASE	VA	CB ACCESS.	LOAD						
INTERIOR LTS	1	20	1	310	A	540	2	20	1		RECEPT MECH 101	
EXTERIOR BLDG LTS	1	20	3	340	B	300	4	15	1		RECEPT FLUSH VALVES-LAVS	
EXTERIOR SITE LTS (FUTURE)	1	20	5	0	A	300	6	15	1		XFMR - FLUSH VALVES	
LCP	1	20	7	300	B	430	8	15	1		EXHAUST FAN EF-1	
DOOR ACCESS XFMR	1	15	9	100	A	2,250	10	30	2		EVH-ELECT WTR HTR	
SPARE	1	20	11	0	B	2,250	12	-	-		EVH-ELECT WTR HTR	
SPARE	1	20	13	0	A	600	14	20	1		DOOR OPERATORS	
EH-1 Mech 101	2	15	15	1,000	B	1,500	16	20	1		EHD-TOILET 102	
EH-1 Mech 101	-	-	-	17	1,000	A	1,500	18	20	1		EHD-TOILET 103
EH-4 Mech 101	2	15	19	1,000	B	1,500	20	20	1		RECEPT-SHELTER	
EH-4 Mech 101	-	-	-	21	1,000	A	1,500	22	20	1		RECEPT-SHELTER
EH-3 Toilet 102	2	25	23	2,000	B	1,500	24	20	1		RECEPT-SHELTER	
EH-3 Toilet 102	-	-	-	25	2,000	A	1,500	26	20	1		RECEPT-SHELTER
EH-2 Toilet 103	2	25	27	2,000	B	1,500	28	20	1		RECEPT-SHELTER	
EH-2 Toilet 103	-	-	-	29	2,000	A	1,500	30	20	1		RECEPT-SHELTER
SPARE	1	20	31	0	B	0	32	20	1		SPARE	
SPARE	1	20	33	0	A	0	34	20	1		SPARE	
SPACE WBUS	1	-	35	0	B	0	36	-	1		SPACE WBUS	
SPACE WBUS	1	-	37	0	A	0	38	-	1		SPACE WBUS	
SPACE WBUS	1	-	39	0	B	0	40	20	2		SPD	
SPACE WBUS	1	-	41	0	A	0	42	-	2		SPD	
PANEL OPTIONS:							RECEPT-VA @	per NEC	11,920	TOTAL CALC LOAD VA =	29,800	
PANEL NOTES:							LIGHTS STD-VA @	100%	950	ADJUSTED VA =	29,800	
PANEL NOTES:							LIGHTS HCSP-VA @	per NEC	-	DEMAND AMPS =	124	
PANEL NOTES:							LIGHTS WARE-VA @	per NEC	-	ADJUSTED EXIST. KW =	0	
PANEL NOTES:							MOTOR-VA @	100%	430	LRG MOTOR LOAD VA =	0	
PANEL NOTES:							EWH	100%	4,500	# OF ELEV(S) =	0	
PANEL NOTES:							X-RAY-VA @	per NEC	-	# OF KITCHEN EQUIP =	0	
PANEL NOTES:							HEATING EQ-VA @	100%	1,200	SUB-FEED PANEL(S) =	0	
PANEL NOTES:							COOLING EQ-VA @	100%	-	25% GROWTH FACTOR =	31	
PANEL NOTES:							ELEVATOR-VA @	100%	-	TOTAL DESIGN AMPS	155	
PANEL NOTES:							MSC-VA @	100%	9,230			



1 PROGRAMMABLE LIGHTING CONTROL PANEL (LCP) SCHEMATIC

NO SCALE

LIGHTING FIXTURES

SYMBOL	DESCRIPTION
F1	FIXTURE TYPE
23	CIRCUIT
8	CONTROL DEVICE
□	SURFACE/ RECESSED LINEAR MOUNT, NORMAL POWER
■	SURFACE/ RECESSED LINEAR MOUNT, EMERGENCY POWER
▬	LINEAR WALL WASH, NORMAL POWER
▬	LINEAR WALL WASH, EMERGENCY POWER
▬	LINEAR PENDANT, NORMAL POWER
▬	LINEAR WALL MOUNTED, NORMAL POWER
▬	SURFACE/SUSPENDED MOUNT, NORMAL POWER
▬	SURFACE/SUSPENDED MOUNT, EMERGENCY POWER
○	SURFACE / RECESSED DOWNLIGHT, NORMAL POWER
●	SURFACE / RECESSED DOWNLIGHT, EMERGENCY POWER
○	SURFACE / RECESSED WALL WASH, NORMAL POWER
●	SURFACE / RECESSED WALL WASH, EMERGENCY POWER
○	WALL MOUNTED SCIENCE OR WALLPACK, NORMAL POWER
●	WALL MOUNTED SCIENCE OR WALLPACK, EMERGENCY POWER
○	EXIT SIGN, CEILING MOUNTED - FACES AND ARROWS AS SHOWN
○	EXIT SIGN, WALL MOUNTED - FACES AND ARROWS AS SHOWN
⊕	BATTERY PACK EMERGENCY LIGHTING
⊕	DENOTES WALL MOUNTING OF LIGHT

SWITCHES

SYMBOL	DESCRIPTION
169 X	SINGLE POLE (LOWER CASE LETTER INDICATES SWITCH LEG)
SWITCH TYPES:	2 - DOUBLE POLE 3 - THREE WAY 4 - FOUR WAY D - DIMMER OS - OCCUPANCY SENSOR MWS - MOTORIZED WINDOW SHADE STATION
17 X	LOW VOLTAGE LIGHTING CONTROL SYSTEM SWITCH (LOWER CASE LETTER INDICATES SWITCH LEG)
SWITCH TYPES:	2B - 2 BUTTON (VIVE) 3BRL - 3 BUTTON WITH RAISE LOWER (VIVE)
SC	SCENE CONTROL
OS	OCCUPANCY SENSOR
SW	SWITCHING DESIGNATION
V	VACUANCY SENSOR
SW	SWITCHING DESIGNATION
ER	EMERGENCY LIGHTING CONTROL RELAY, UL924 LISTED WITH 0-10V SHUNT

POWER SYSTEMS

SYMBOL	DESCRIPTION
SWBD 1	LARGE ELECTRICAL EQUIPMENT WITH DESIGNATION - DRAWN TO SCALE
DP	DISTRIBUTION PANEL WITH DESIGNATION
BP	BRANCH PANEL WITH DESIGNATION
MP	MOTOR WITH DESIGNATION
DS	DISCONNECT SWITCH
JB	JUNCTION BOX
PP	PULL BOX
PT	POKE-THRU MODULAR FURNITURE FEED, POWER
X	EQUIPMENT CONNECTION
X	EQUIPMENT CONNECTION - EMERGENCY
X	CONNECTION TYPES: REFER TO EQUIPMENT CONNECTION SCHEDULE(S)
PP-1	AUTOMATIC DOOR OPERATOR ACTIVATION PUSH PLATE
EPO	EMERGENCY POWER OFF STATION
⊕	DENOTES WALL MOUNTING
14 FFW 2C2N+G	SYSTEM FURNITURE BASE FEED LOCATION (2) 2 GANG JUNCTION BOXES: (1) POWER, (1) LOW VOLTAGE
W	W - WALL
PP	PP - POWER POLE/SYSTEMS FURNITURE
C	CONDUCTOR QUANTITY
#C	#C = QTY PHASE CONDUCTORS
#N	#N = QTY NEUTRAL CONDUCTORS
G	G = EQUIPMENT GROUND
C	CIRCUIT NUMBER(S)
PP	POWER POLE

ELECTRICAL ABBREVIATIONS

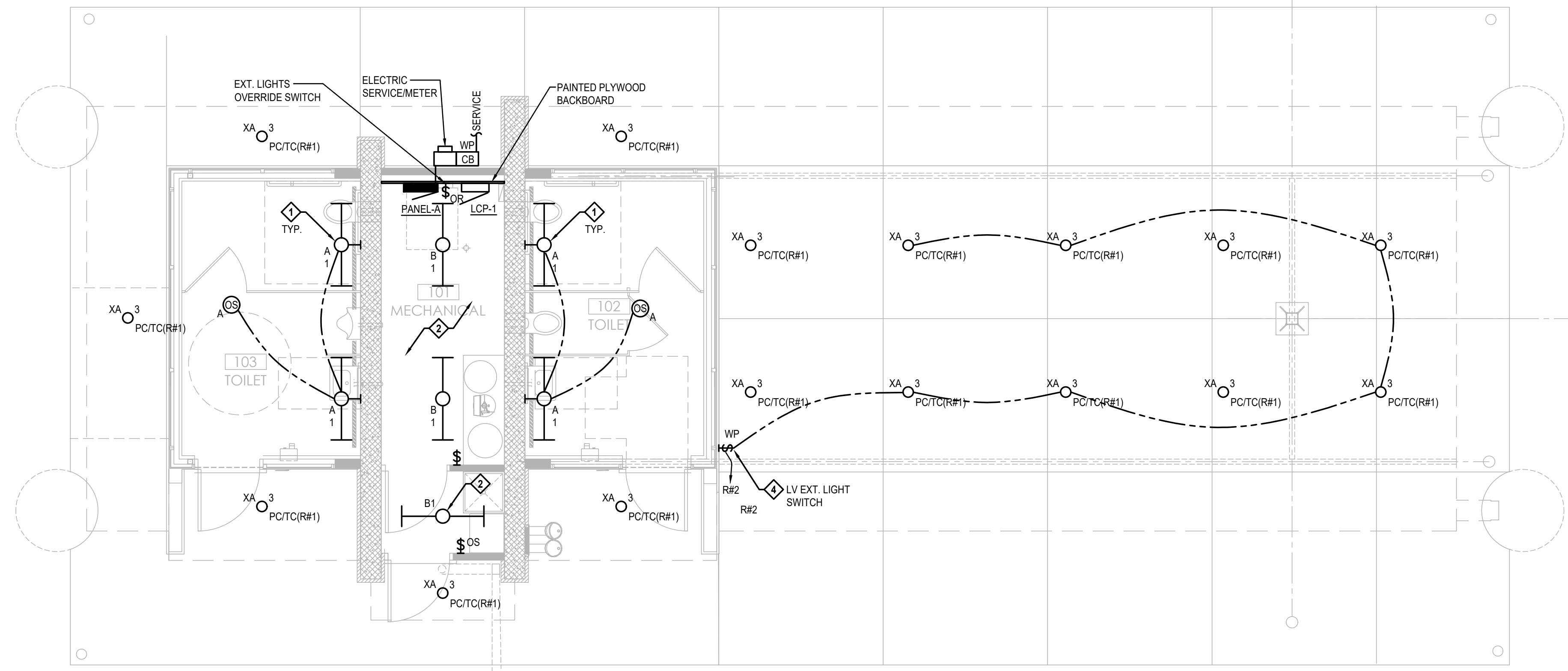
A, AMP	AMPERE	MMS	MANUAL MOTOR STARTER SWITCH
AC	ABOVE COUNTER	MOA	MULTI-OUTLET ASSEMBLY
AFB	ABOVE FINISHED FLOOR	MPS	MOTORIZED PROJECTION SCREEN
AIC	AMPERE INTERRUPTING CAPACITY	MTS	MOTOR RATED TOGGLE SWITCH
ACT	ACUSTICAL CEILING TILE	MTR	MOTOR
AL	ALUMINUM	MC	MECHANICAL CONTRACTOR
ARCH	ARCHITECT, ARCHITECTURE	MFR	MANUFACTURER
ATS	AUTOMATIC TRANSFER SWITCH	MWS	MOTORIZED WINDOW SHADE
AUX	AUXILIARY	NC	NORMALLY CLOSED
AV	AUDIO - VISUAL	N/O	NORMALLY OPEN
AP	ACCESS PANEL	NEC	NATIONAL ELECTRICAL CODE
BC	BELOW COUNTER	NEMA	NATIONAL ELECTRICAL MFR'S ASSOC.
BTM	BOTTOM	NF	NON-FUSED SAFETY SWITCH
C	CONDUIT	NIC	NOT IN CONTRACT
CB	CIRCUIT BREAKER	nl	NIGHT LIGHT
CCTV	CLOSED CIRCUIT TELEVISION	NTS	NOT TO SCALE
CLG	CEILING	O.C.	ON CENTER
COFF	COFFEE MAKER	OL	OVERLOADS
CRT	CATHODE-RAY TUBE	P	POLE
CIT	CURRENT TRANSFORMER	PF	POWER FACTOR
CU	COPPER	PH	PHASE
CTR	COUNTER	PNL	PANEL
DC	DIRECT CURRENT	PP	PUSH PLATE, AUTO DOOR OPERATOR
DED	DEDICATED	PB	PULLBOX
DISC	DISCONNECT	PRI	PRIMARY
DO	DOOR OPERATOR, POWERED	PIT	POTENTIAL TRANSFORMER
DN	DOWN	PVC	POLYVINYL CHLORIDE
DW	DISHWASHER	PC	PLUMBING CONTRACTOR
EC	ELECTRICAL CONTRACTOR	RMC	RIGID METALLIC CONDUIT
ECB	ENCLOSED CIRCUIT BREAKER	REF	REFRIGERATOR
ELEC	ELECTRIC, ELECTRICAL	REQD	REQUIRED
EM	EMERGENCY	RVT	REDUCED VOLTAGE TRANSFORMER
EMT	ELECTRICAL METALLIC TUBING	SN	SOLID NEUTRAL
EQ	EQUIPMENT	SPEC	SPECIFICATION
EWC	ELECTRIC WATER COOLER	SPKR	SPEAKER
ETR	EXISTING TO REMAIN	SP	SPARE
EX	EXISTING	SPD	SURGE PROTECTION DEVICE
EF	EXHAUST FAN	SW	SWITCH
EPO	EMERGENCY POWER OFF	SWBD	SWITCHBOARD
EXT	EXTERIOR	SWGR	SWITCHGEAR
FA	FIRE ALARM	SOFT	SQUARE FOOT
FLR	FLOOR	SS	STAINLESS STEEL
FNRR	FULL VOLTAGE NON-REVERSING	SC	SECURITY CONTRACTOR
FD	FIRE DEPARTMENT	TEL	TELEPHONE
FSD	FIRE SMOKE DAMPER	TERM	TERMINAL
F	FUSED SAFETY SWITCH	XFMR	TRANSFORMER
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	TC	TIME CLOCK
G	GROUND FAULT CIRCUIT INTERRUPTER	TOP	TEMPERATURE CONTROL PANEL
GND, GRD	GROUND	TV	TELEVISION
GC	GENERAL CONTRACTOR	TYP	TYPICAL
GD	GARBAGE DISPOSAL, SINK MOUNTED	EU	UNDERGROUND ELECTRICAL
HOA	HAND-OFF-AUTOMATIC SWITCH	UG	UNDERGROUND
HP	HORSEPOWER	UH	UNIT HEATER
HV	HIGH VOLTAGE	UT	UNDERGROUND TELEPHONE
HC	HEATING CONTRACTOR	UOD	UNLESS OTHERWISE DENOTED
HD	HAND DRYER	V	VOLT
HVAC	HEATING, VENTILATING, AIR CONDITIONING	VA	VOLT AMPERES
IMC	INTERMEDIATE METALLIC CONDUIT	VFD	VARIABLE FREQUENCY DRIVE
JB	JUNCTION BOX	VOL	VOLUME
KV	KILOVOLT	VC	VENTILATION CONTRACTOR
KVA	KILOVOLT-AMPERE	W	WATT
KVAR	KILOVOLT-AMPERE REACTIVE	W	WITH
KWH	KILOWATT HOUR	W/O	WITHOUT
KW	KILOWATT	WG	WIRE GUARD/PROTECTIVE SHIELDING
LV	LOW VOLTAGE	WP	WEATHERPROOF
MCC	MOTOR CONTROL CENTER	2S1W	2 SPEED SINGLE WINDING
MCP	MOTOR CIRCUIT PROTECTOR	2S2W	2 SPEED DOUBLE WINDING
MCB	MAIN CIRCUIT BREAKER	TFA	TO FLOOR ABOVE
MICRO	MICROWAVE OVEN	TFB	TO FLOOR BELOW
MIN	MINIMUM	UCR	UNDERCOUNTER REFRIGERATOR
MISC	MISCELLANEOUS	DIV. 26	DIVISION 26 CONTRACTOR
MLO	MAIN LUGS ONLY		
MCS	MOLDED CASE SWITCH		

NOTE: THIS IS A COMPOSITE LIST OF ABBREVIATIONS. NOT ALL PERTAIN SPECIFICALLY TO THIS JOB.

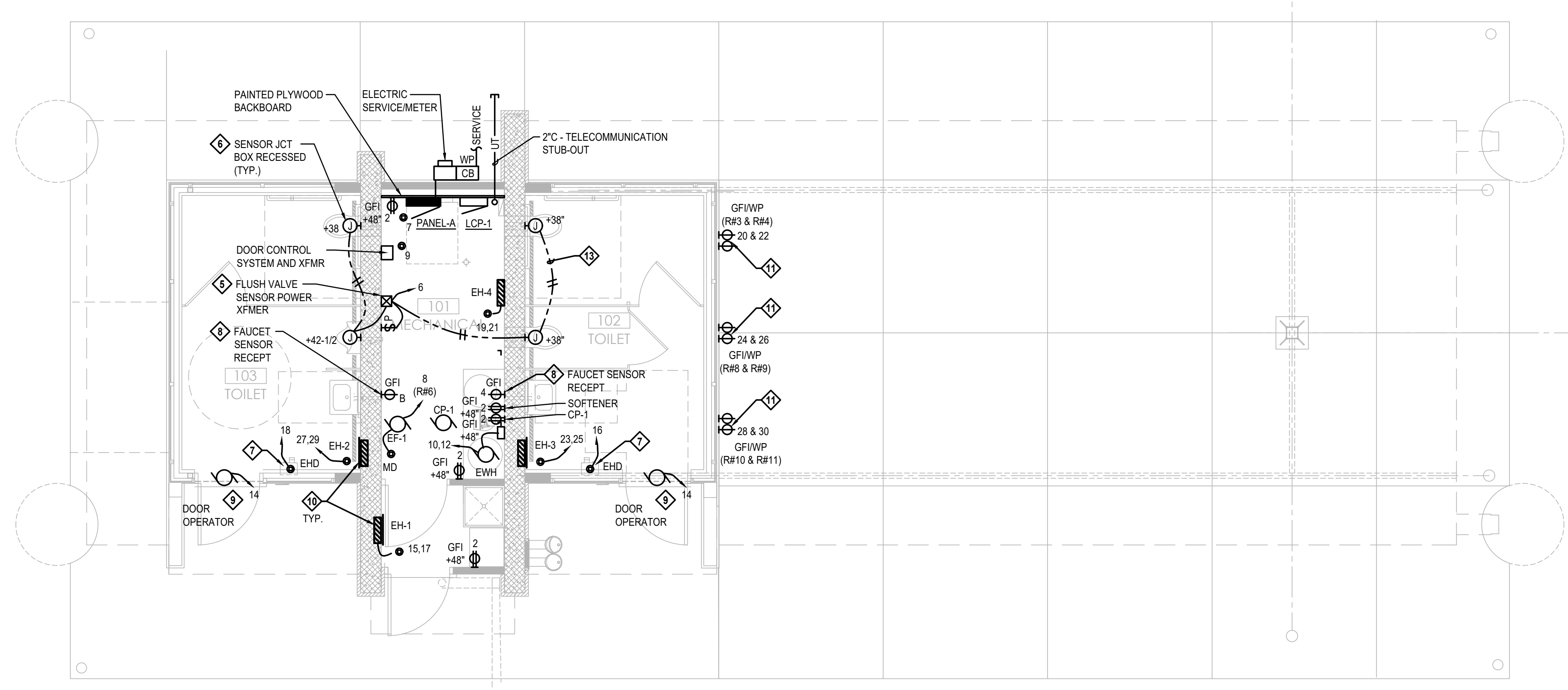
RECEPTACLES

SYMBOL	DESCRIPTION
⊕	SIMPLEX RECEPTACLE
⊕	SIMPLEX RECEPTACLE ABOVE COUNTER
⊕ X	DUPLEX RECEPTACLE
⊕ X	DUPLEX RECEPTACLE TYPES: EWC - ELECTRIC WATER COOLER, PROVIDE GFCI BREAKER IN ELEC PANEL G - GROUND FAULT CIRCUIT INTERRUPTER TV - TELEVISION OUTLET T - TAMPER RESISTANT W - WEATHER RESISTANT PRI - CEILING MOUNTED VIDEO PROJECTOR USB - USB CHARGING DEVICE, REFER TO SPEC FOR CONFIGURATION

PLOT DATE:



1 FLOOR PLAN - ELECTRICAL LIGHTING
SCALE: 1/4" = 1'-0"
12" 0 1' 5' 10'



2 FLOOR PLAN - ELECTRICAL POWER
SCALE: 1/4" = 1'-0"
12" 0 1' 5' 10'

- GENERAL SHEET NOTES:**
1. COORDINATE LIGHTING & DEVICE LAYOUT WITH GENERAL CONTRACTOR.
 2. COORDINATE ELECTRICAL RACEWAYS ROUTING WITH GENERAL CONTRACTOR AND OTHER TRADES FOR PROPER EQUIPMENT ACCESS.
 3. ALL ALL RACEWAYS ARE TO BE CONCEALED IN FINISHED AREAS. MECHANICAL & UTILITY AREAS MAY USE SURFACE CONDUIT SYSTEMS.
 4. COORDINATE AND SCHEDULE ALL WORK WITH THE GENERAL CONTRACTOR AND LOW-VOLTAGE CABLING PRIOR TO STARTING
 5. ALL LIGHTS CIRCUITED TO PANEL 'A' UNLESS OTHERWISE INDICATED.

- KEYED SHEET NOTES:**
1. CORNER-MTD LIGHT FIXTURE @ CEILING.
 2. COORDINATE LIGHT FIXTURE MOUNTING LOCATION WITH DUCTWORK, PIPING & OTHER TRADES.
 3. STUB OUT 1" (PVC) RACEWAYS 24" BELOW GRADE FOR FUTURE PER SITE PLAN LIGHTING.
 4. LV LIGHTING CONTROL STA. (WP). REFER TO LCP-1 RISER.
 5. COORDINATE POWER TO LOW-VOLTAGE TRANSFORMER FOR FLUSH VALVES BY PLUMBING TRADE. PROVIDE MASTER PILOT LIGHT SWITCH FOR POWER TO FLUSH VALVES AND LABEL. ROUTE ALL LV CABLING IN RACEWAY.
 6. PROVIDE 4"x4"x2-1/8" RECESSED BOX WITH PLASTER RING FOR SENSOR MOUNTING HEIGHT TO CENTER OF BOX. COORDINATE INSTALLATION WITH PLUMBING TRADE. COORDINATE FINAL MOUNTING HEIGHT LOCATION WITH GENERAL CONTRACTOR.
 7. PROVIDE 4"x4"x2-1/8" RECESSED BOX WITH PLASTER RING FOR ELECTRICAL HAND DRYER CONNECTION. PROVIDE POWER CONNECTION TO HAND DRYERS. COORDINATE FINAL MOUNTING HEIGHT LOCATION WITH GENERAL CONTRACTOR.
 8. COORDINATE FINAL RECEPTACLE LOCATION WITH PLUMBING TRADE FOR FAUCET SENSOR POWER.
 9. COORDINATE POWER AND CONTROL WIRING AND RACEWAY REQUIREMENTS FOR DOOR OPERATORS WITH GENERAL CONTRACTOR.
 10. COORDINATE POWER WIRING AND RACEWAY REQUIREMENTS FOR ELECTRIC HEATERS WITH HVAC CONTRACTOR.
 11. EXTERIOR RECEPTACLES POWER CONTROLLED BY LCP TIMELOCK. REFER TO LCP RISER. PROVIDE 2 - GFCI OUTLETS EACH ON A DEDICATED CIRCUIT AS NOTED IN 2 GANG BOX. PROVIDE 2 GANG "IN USE" COVER.
 12. STUB OUT 2" (PVC) RACEWAY 24" BELOW GRADE AND CAPPED FOR FUTURE COMMUNICATIONS CABLING.
 13. EXTEND LOW-VOLTAGE CABLING FROM TRANSFORMER (BY P.C.) TO FLUSH VALVE SENSORS. ROUTE CABLING IN CONDUIT OR RACEWAYS.

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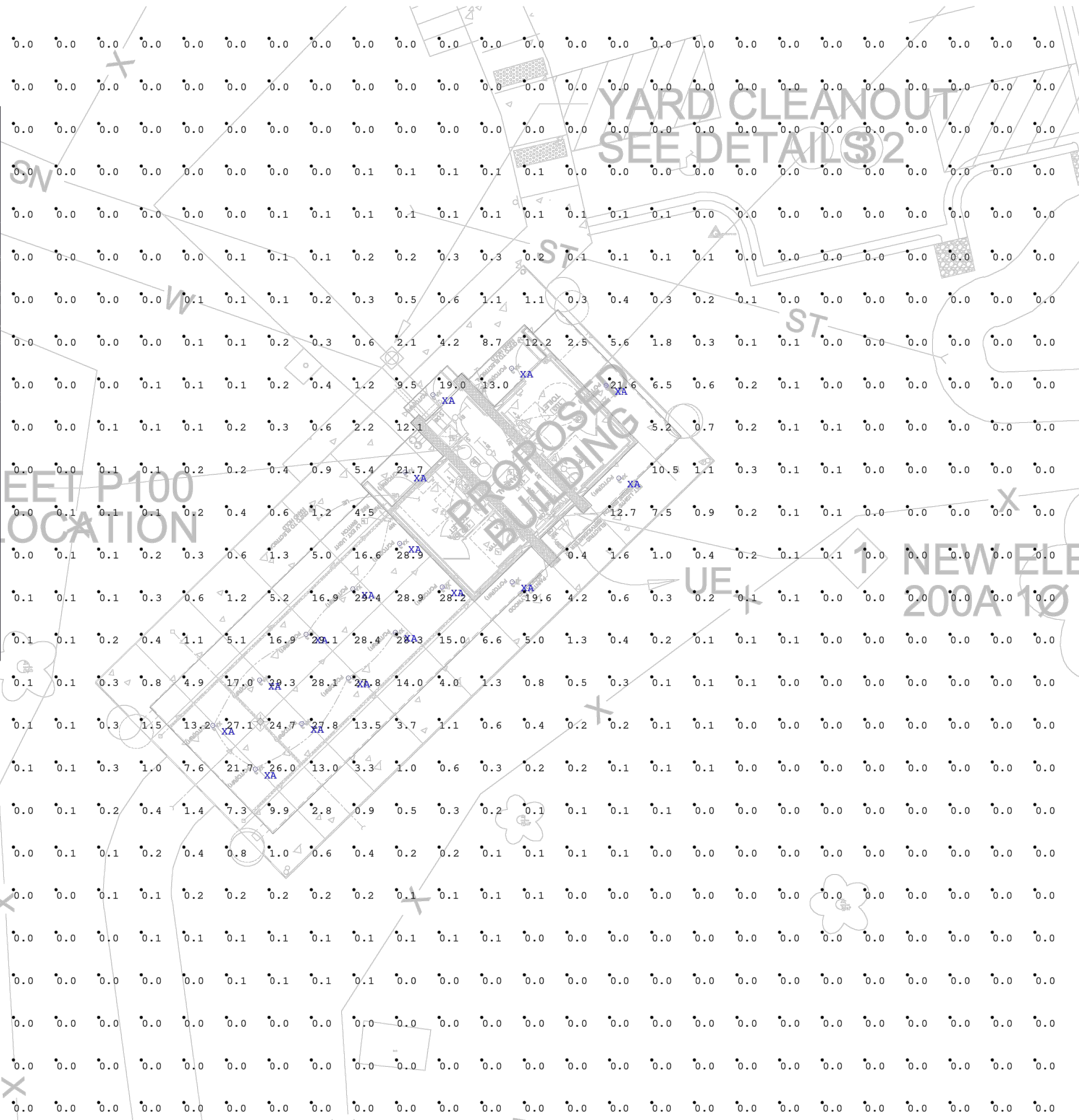
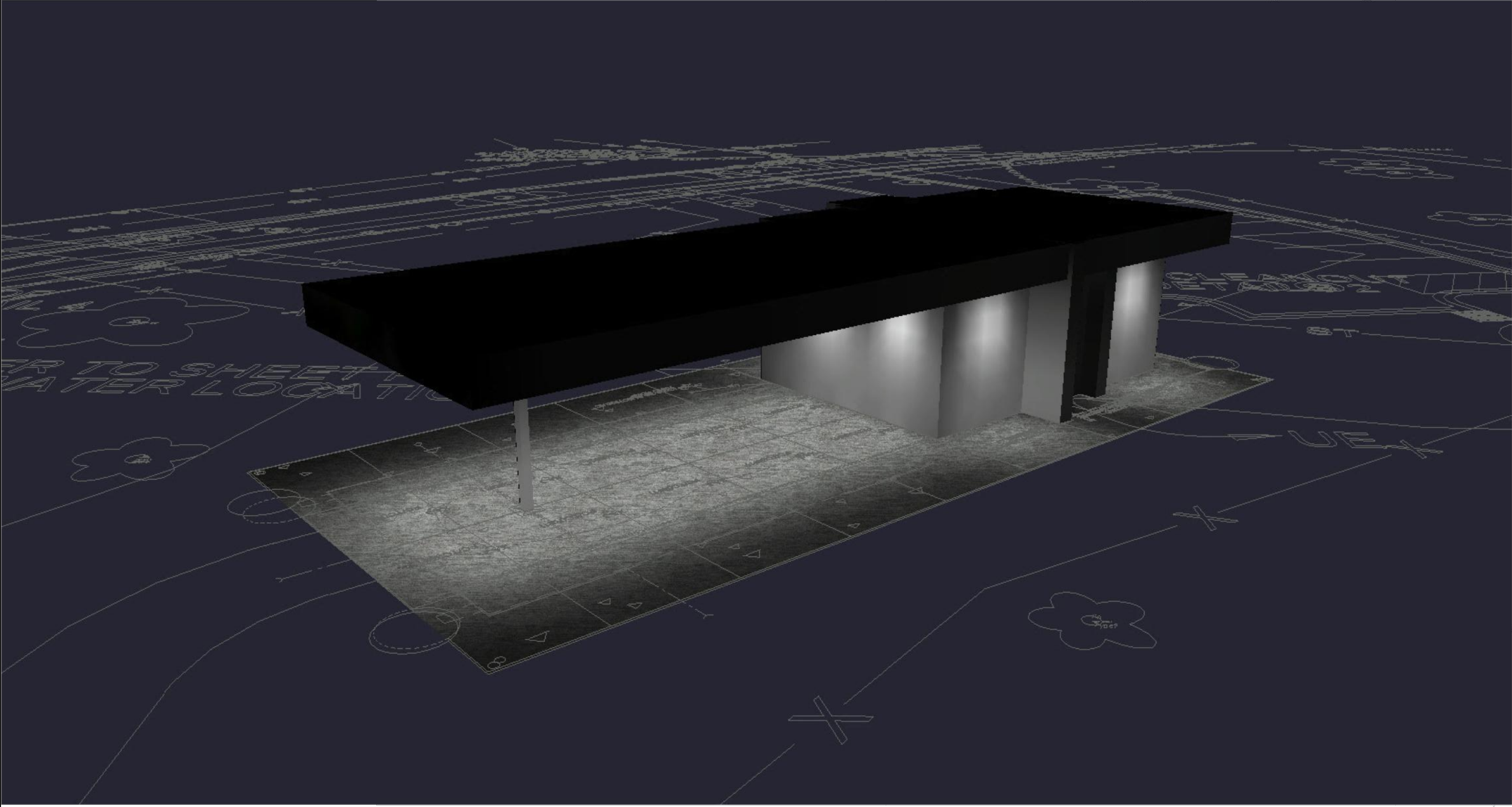
COUNTRY GROVE
PARK SHELTER
7353 EAST PASS
MADISON, WI 53719
CONTRACT #9359 / MUNIS # 13937

ISSUANCES:
02.01.24 - BID SET

SHEET NAME
FLOOR PLAN ELECTRICAL
SHEET NUMBER

E100

PLOT DATE:

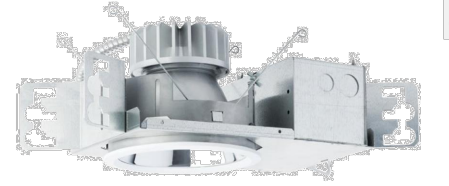


Scale: 1 inch= 8 Ft.

MILLENNIUM DOWNLIGHT
Luminaires for High Abuse Applications

HADL SERIES

- PRODUCT FEATURES:**
- 6" sealed, recessed downlight with flush lens trim
 - Peace of Mind GuaranteeSM against breakage
 - Delivered lumens: 715 - 5,305 lm
 - 1% Dimming via 0-10V or DALI control



PROJECT INFORMATION

Job Name: _____
 Fixture Type: _____
 Catalog Number: _____
 Approved by: _____

SPECIFICATIONS

HEAT SINK: Die-cast aluminum with external radial fins for natural convection.

ROUGH-IN FRAME: 18-gauge die-formed, corrosion-resistant steel (type 304 stainless with NAT option). Vertically adjustable collar accommodates ceiling thicknesses up to 2", adjustable post-installation. Universal mounting brackets accept 3/4" and 1-1/2" lathes channel, 1/2" EMT conduit and hanger bars. Quick-access junction box accessible post-installation from above and below ceiling. Includes (6) 1/2" and (2) 3/4" knock-outs to allow straight conduit runs. Listed for (8) 120VAC, 90°C conductors and feed-thru branch wiring. Provided with IMC with electrical quick-connect to trim section.

TRIM/HOUSING SECTION: IP-rated housing section incorporates the heat sink, LED module, optics and lower trim. Flush lens trim secured with four (4) Torx® tamper-resistant, captive fasteners. See trim ordering information for available options.

OPTICAL: High-efficiency mixing chamber design with recessed diffused tempered glass lens producing uniform light output. Available with various reflector distribution patterns and finishes. Flush lens trim options include a clear lens. See distribution and reflector finish ordering information for available options.

ELECTRICAL: LED array available in multiple CCT and CRI combinations with a maximum 3-step MacAdam variation allowance. See Trim Ordering information for available options. 120-277VAC or 347VAC, 50/60Hz electrical input with selectable constant current driver ($C_{20\%}$ THD, <math>$50-90$ PF). Minimum 85% driver efficiency. Standard 0-10V dimming with 1-100% range and dim-to-dark capabilities (see dim-to-dark with 347V, 150µA maximum source current. Optional 4000K CCT driver with 1-100%.

PHOTOMETRICS: Photometry tested to the IESNA LM-79-08 standard by an IAC/ISO17025 accredited laboratory. For photometric information, go to www.kenall.com.

WARRANTY: Limited five (5) year LED warranty. Peace of Mind GuaranteeSM against breakage.

INSTALLATION: Suitable for ambient temperature temperatures of -30°C to +40°C.

LISTINGS: Luminaire is certified to UL standards by Intertek Testing Laboratory for non-IC and Wet Location installations. IP65 rating per IEC60598. Optional CCEA compliance.



ORDERING INFORMATION (EX: HADL6-FF-2FW-22L-40K8-W-CSS-G-RIG6-DV-DIM1)

TRIM				ROUGH-IN			
Model	Trim Style	Trim Finish	Lamp Power	Lamp Color	Distribution	Reflector Finish	Flush Lens Type
HADL6	FF	SPW	22L	40K8	W	CSS	G
Trim Style				Lamp Color			
FF - Flush Lens (With Fasteners - IP65)				30K8 3000K / 80 CRI min.			
				30K8 3000K / 90 CRI min.			
				35K8 3500K / 80 CRI min.			
				35K8 3500K / 90 CRI min.			
Trim Finish				Input Voltage			
2FW - Cold-Rolled Steel in Flat White				DV - 120-277V, 50/60Hz			
5BR - Type 304 Stainless Steel with 48 Brushed Finish				120 120VAC, 60Hz			
XBR - Type 316 Stainless Steel with 48 Brushed Finish				277 277VAC, 60Hz			
5FW - Type 304 Stainless Steel in Flat White				347 347VAC, 60Hz			
XFW - Type 316 Stainless Steel in Flat White							
PAFW - Aluminum in Flat White							
Distribution				Driver Type			
M - Medium				DIM1 - 0-10V Dimming to 1%			
W - Wide				DALI - DALI Dimming to 1%			
Reflector Finish				Options			
FW - Flat White				LEL - Emergency Battery Backup with Remote Test Switch			
CS - Clear Specular				NAT - Natural Environment			
CSS - Clear Specular				FS - Fuse & Holder			
				CCEA - CCEA Approved (specification required, n/a 347V)			
Flush Lens Type							
G - 1/8" Clear Polycarbonate							
9 - 1/4" Clear Polycarbonate							

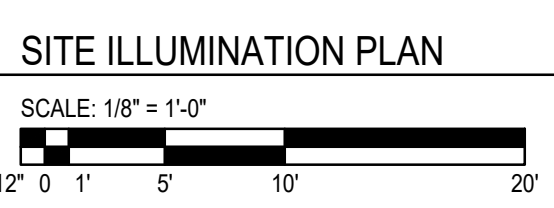
* N/A with DALI Driver Type. N/A with LEL option.
 † Requires selection of XBR or XFW Trim Finish. Rough-in frame constructed of Type 304 stainless steel in lieu of corrosion-resistant steel.
 ‡ Must be installed with a minimum 24" on-center spacing, 12" from wall, and have 3" clearance above the trim housing.

Calculation Summary

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
SITE	Illuminance	Fc	1.18	29.4	0.0	N.A.	N.A.

Luminaire Schedule

Symbol	Qty	Label	Manufacturer	Description	Arrangement	Lum. Lumens	Lum. Watts	LLF
⊙	16	XA	KENALL	HADL6-FF-5FW-22L-40K8-M-CSS-G	SINGLE	1678	24	0.990



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 JOB NO. 23-10419

COUNTRY GROVE
 PARK SHELTER
 7353 EAST PASS
 MADISON, WI 53719
 CONTRACT #9359 / MUNIS # 13937

ISSUANCES:
 02.01.24 - BID SET

SHEET NAME
 SITE ILLUMINATION PLAN
 SHEET NUMBER
SL100