

**BUNCOMBE COUNTY
GENERAL SERVICES DEPARTMENT
40 McMORMICK PLACE
ASHEVILLE, NC 28801
(828) 250-4235**

BID DATE: Monday, November 20, 2023
DATE OF ADDENDUM: Thursday, December 14, 2023
ADDENDUM NUMBER: A

TO THE DRAWINGS AND SPECIFICATIONS FOR:

**SPORTS PARK - NEW RESTROOM BUILDING &
WATERLINE EXTENSION
BUNCOMBE COUNTY, NORTH CAROLINA**

TO ALL BIDDERS:

THIS ADDENDUM, MODIFYING THE ORIGINAL CONTRACT DRAWINGS AND SPECIFICATIONS, SHALL BE TAKEN INTO ACCOUNT IN PREPARING PROPOSALS, AND IS HEREBY MADE A PART OF THE CONTRACT DOCUMENTS.

To summarize: The bulk of this Addendum includes the following major topics:

1. SPECIFICATIONS

- a. The **revision** of the Bid Form includes the addition of Allowance 1 and Unit Price 1 as described below.

2. DRAWINGS

- a. **Revision** of Civil drawings to clarify the location of the access road.
- b. **Revision** of the Architectural drawings and Sheet specifications clarifying comments/questions regarding the Contractor Use of Site, Ceiling Materials, Metal Panel wall and soffit materials, Door Hardware and general finishes.
- c. **Revision** of the MEP drawings to clarify electrical service to the new building from existing transformer and power for the electrical box heater indicated in the Civil documents.

GENERAL CLARIFICATION

Item 1 - Attached are the **Pre-bid Meeting minutes**, and attendance sheet for your information. Questions brought up at the Pre-bid meeting, along with their respective answers, are included in Item 2 below. **See Appendix A.**

The following questions were asked by contractors ahead of the deadline:

Item 2 - **Question:** Will an MSD Permit allowance be provided?

Answer: Plans have already been submitted to the County for Plan Review/Approval so by the time the contract is signed it will be a matter of putting the project under the Contractor's name. An Allowance of \$2,000.00 will be included on the Bid Form. The Permit fee – to be paid by the successful bidder - is \$5,700.

Question: Will there be water access once it is shut off?

Answer: Temporary water shut-off must be coordinated with the County. The existing waterline does services other buildings within the park. The contractor must supply a portable toilet for the construction site per code. The county will provide portable toilets for park guests while the water to the permanent restrooms is interrupted.

Question: Will the main road be closed off for construction?

Answer: The road may be temporarily blocked to deliver materials. The road must be always passable and open to the public. Temporary shutdowns of the road must be coordinated with the County. During work, GC shall provide a flagger/spotter to direct park traffic.

Question: How do contractors reach the site for delivering materials?

Answer: There is a road that goes behind the back light poles on the top parking lot, following around the soccer fields to reach the site. The road will not be graveled, but can be used to bring materials in. Contractors will be responsible for repairs if the area is damaged due to use.

Question: Who will be completing the inspections for this project?

Answer: The park is within city limits, but Buncombe County has the authority so they will be responsible for the inspections (Bob Haynes and Jason Rogers)

Question: Are dump trailers able to be left on the property?

Answer: Yes, if those are within fenced-in areas.

SPECIFICATIONS REVISION CLARIFICATION

Deleted text is indicated with a strikethrough (e.g. ~~strikethrough~~) and new text is indicated with boldface type (e.g. **boldface**).

Item 1 - **Section 00 30 00 BID FORM**

Revise Update Bid Form to include the below items:

A. Allowance 1 : MSD Permits: Refer to Bid Form

B. Unit Price 1 - Unsuitable Soil: Refer to Bid Form

DRAWINGS REVISION CLARIFICATION

- Item 1 - **Revised (C2)**. Remove “Construction Access Gravel Road” shown on the west side of the proposed restroom facility. The Construction access is shown on sheet G100 in the Contractor Use of Site Plan and is to run parallel to the east side of the field.
- Item 2 - **Revised (C3)**. Remove “Construction Access Gravel Road” shown on the west side of the proposed restroom facility. The Construction access is shown on sheet G100 in the Contractor Use of Site Plan and is to run parallel to the east side of the field.
- Item 3 - **Revised (C4)**. Remove “Construction Access Gravel Road” shown on the west side of the proposed restroom facility. The Construction access is shown on sheet G100 in the Contractor Use of Site Plan and is to run parallel to the east side of the field.
- Item 4 - **Added (REF3)**. Added Reference Sheet REF3 showing the accessible path from the north parking lot to the new restroom building.
- Item 5 - **Revised (G100)**. Revised Sheet List to include added sheet REF3, for reference only, showing the accessible route of travel from the north parking lot to the new restroom building. Updated Contractor Use of Site Plan to clarify location of Lay Down by the North Parking Lot.
- Item 6 - **Revised (A001)**. SPECIFICATIONS

Section 07 62 00 Sheet Metal Flashing and Trim

ALUMINUM SOFFITS

A. Approved Manufacturers:

4. **"MRS FLUSH SEAM (12)"; Metal Roofing Systems, (704-820-3110)**

- Item 7 - **Revised (A002)**. SPECIFICATIONS

Section 07 42 13 METAL WALL PANEL

ACCEPTABLE MANUFACTURERS

A. Approved Manufacturers:

2. **MRS Board & Batten Panel, 12" coverage, Metal Roofing Systems (704-820-3110), 7670 Mikron Road Stanley, NC 28164, <https://www.metalroofingsystems.com/>**

Section 09 29 00 GYPSUM BOARD

MOLD-RESISTANT FIBERGLASS MAT FACED GYPSUM BOARD:

A. **Basis of Design: Gold Bond Building Products, LLC, Gold**

Bond® eXP® Interior Extreme® Gypsum Panel, provided by National Gypsum Company. SUBJECT TO COMPLIANCE WITH

REQUIREMENTS, PROVIDE PRODUCTS BY ONE OF THE FOLLOWING:

- a. **GEORGIA-PACIFIC BUILDING PRODUCTS.**
- b. **CertainTeed Gypsum.**
- c. **UNITED STATES GYPSUM (USG) CORPORATION.**

- B. Thickness: 5/8"**
- C. Core: Regular.**
- D. Edges: Tapered**
- E. Mold/Mildew Resistance: ASTM D3273; Score of 10.**

- Item 8 - Revised (A101). Ceiling Plan Legend revised to Finished Fiberglass Mat Faced Gypsum Board Ceiling in lieu of Cement Board Ceiling.
 - Item 9 - Revised (A103). Added door hardware sets. Updated Finish Legend and General notes.
 - Item 10 - Revised (P1). Site plan added for reference.
 - Item 11 - Revised (P2). Water pipe sizes clarified.
 - Item 12 - Revised (P3). Detail clarification.
 - Item 13 - Revised (M2). Modified a wall heater location and the inline exhaust fan location to avoid interference from the plumbing chair carriers.
 - Item 14 - Revised (E3). Added a site plan for reference and the existing panel schedule where the hot box heater is powered.
-

Ronnie Lunsford, PEM
General Services Department
Facilities/Project Manager

END OF ADDENDUM

Appendix A
Pre-Bid Meeting, Minutes and Attendance Sheet

PRE-BID - MTG NOTES

PROJECT NUMBER: 2022090
PROJECT: Buncombe County Sports Park Restroom & Waterline Extension
DATE: 11/29/23 **TIME:** 11:00 AM
LOCATION: Buncombe County Sports Park – Project Site

ATTENDEES:	<u>Name</u>	<u>Company</u>
	Ronnie Lunsford, Facilities/PM	Buncombe Co General Services Department
	Joseph Guseman	Buncombe County Parks and Rec
	Courtney Mason	Domokur (DA)
	Michael Domokur, RA	Domokur (DA)
	Barry Jackson	Providence Construction Group
	Laron Huntley	HNH Construction
	Lauren Bartholomew	J. Bartholomew Construction
	Jennifer Burrows	B. Allen Construction
	Maxwell DeHoll	Modern Mountain Builders
	Joshua Smathers	Smathers Contracting

PROJECTED PROJECT COMPLETION DATE:	TBD
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DISCUSSION ITEMS:

1. Agenda Review

- a. Bid administration information:
 - i. Questions during bidding must be submitted in writing. They may be submitted to Michael Tabeling (mtabeling@domokur.com) prior to the deadline, December 12, 2023, at 3pm. An addendum will be issued by Thursday, December 14 at 3pm.
 - ii. Bid submission due date is Tuesday, December 19, 2023, at 3pm at 30 Valley Street, Asheville, NC 28801. **Bids must be hand delivered at the due date and time.** This is an open bid so contractors may stay to hear the bids as they are presented.
 - iii. Lunsford noted that the selected contractor will be notified with a Notice to Proceed, however, the Commissioners will have to approve the contracts which may not happen until their first meeting in January.
 - iv. Anticipated start date is February 2024.
 - v. The park will remain open during construction and work should be completed Monday-Friday 7am-5pm. Arrangements may be made to work outside of this schedule but work on the weekends is not ideal due to the amount of activity surrounding the site. Trash pickup is also required on a regular basis. No construction debris should be left around site.
 - vi. All materials, machinery, vehicles, trailers, etc., should always be kept secure. This area does have crime and contractors are responsible for securing materials.

2. Contractor Questions

- a. Will an MSD Permit allowance be provided?
 - i. Plans have already been submitted to the County for Plan Review/Approval so by the time the contract is signed it will be a matter of putting the project under the Contractor's name.
 1. **An Allowance of \$2,000.00 will be included on the Bid Form.**
 2. **The Permit fee – to be paid by the successful bidder - is \$5,700.**
- b. Will there be water access once it is shut off?
 - i. **Temporary water shut-off must be coordinated with the County. The existing waterline does services other buildings within the park.**
 - ii. **The contractor must supply a portable toilet for the construction site per code. The county will provide portable toilets for park guests while the water to the permanent restrooms is interrupted.**

- c. Will the main road be closed off for construction?
 - i. **The road may be temporarily blocked to deliver materials.**
 - ii. **The road must be always passable and open to the public.**
 - iii. **Temporary shutdowns of the road must be coordinated with the County. During work, GC shall provide a flagger/spotter to direct park traffic.**
- d. How do contractors reach the site for delivering materials?
 - i. **There is a road that goes behind the back light poles on the top parking lot, follow around the soccer fields to reach the site. The road will not be graveled, but can be used to bring materials in. Contractors will be responsible for repairs if the area is damaged due to use.**
- e. Who will be completing the inspections for this project?
 - i. **The park is within city limits, but Buncombe County has the authority so they will be responsible for the inspections (Bob Haynes and Jason Rogers)**
- f. Are dump trailers able to be left on the property?
 - i. **Yes, if those are within fenced-in areas.**

The meeting ended at 11:35 am.

INFORMATION OR ACTION REQUIRED:

DA

- Highlight proposed parking areas on Contractor Use of Site Plan
- Publish an Addendum to cover items above.

Lunsford

- Soil report will be provided. **A unit price for unsuitable soils to be included in the Bid Documents.**
- Dates for future soccer tournaments which may impact work schedule will be provided to the successful Bidder.

ATTACHMENTS: None

These meeting notes reflect the author's interpretation and record of the discussion. Please bring any errors or inconsistencies in these minutes to the attention of the office of the Architect, in writing, before the next meeting.

Prepared by: Domokur Architects, Courtney Mason

C: All attendees
Lynn Pegg, Rec Prog Mgr., Buncombe Co Rec Services
Gary Davis, DavisCivil Solutions
Ben Poss, Kloesel Engineering
Tilden White, Tilden White & Assoc
Mike Domokur, Owner, Domokur Architects

J:\2022090 - Buncombe Co NC – Sports Park Restroom\3 - Bidding\Meeting Minutes\112923 - Pre-Bid Meeting.docx

MEETING SIGN-IN SHEET

PROJECT: New Restroom Bldg & Waterline Extension

Owner Buncombe County, NC

DATE: 11/29/23

TIME: 11:00 AM

INITL	NAME	COMPANY	CONTACT INFORMATION
CM	Courtney Mason	Domokur Architects	PH: 330-714-4414 CELL: FAX: EMAIL: cmason@domokur.com
BS	Barry Jackson	Providence Construction Group	PH: CELL: 828-551-9361 FAX: EMAIL: Barry@ProvidenceCG.com
LH	Laron Huntley	HNH Construction	PH: CELL: 828-713-8664 FAX: EMAIL: lhuntley@HNHConstructionCo.com
LB	Lauren Bartholmeu	S. Bartholmeu Const	PH: CELL: 828-707-5952 FAX: EMAIL: Lauren@dm7.org
JM	Jennifer Burrows	B. Allen Const.	PH: 828-665-8479 CELL: FAX: EMAIL: ballen33@billsouth.net
MD	Maxwell Detholl	Modern Mountain Builders	PH: 828-989-1004 CELL: FAX: EMAIL: Info@ModernMountainBuilders.com
JS	Joshua Smathers	Smathers Contracting	PH: 828-400-7027 CELL: FAX: EMAIL: joshsmath@gmail.com
JG	Joseph Guseman	Buncombe County Parks and Rec	PH: 828-489-2929 CELL: FAX: EMAIL: Joseph.Guseman@buncombecounty.org
MD			PH: CELL: FAX: EMAIL:
Komnie			PH: CELL: FAX: EMAIL:
			PH: CELL: FAX: EMAIL:

Appendix B
Revised Specifications

1. BID FORM



003000

Bid Form

ADDENDUM NO. 1

Project: *New Restroom & Waterline Extension*
Location: *Buncombe County Sports Park*

Bidder Name: _____

Date: _____, 2023

The undersigned, as Bidder, hereby declares that the only person or persons interested in this Proposal as principal or principals is or are named herein and that no other person than herein mentioned has any interest in this Proposal or in the Contract to be entered into; that this Proposal is made without connection with any other person, company or parties making a bid or proposal; and that it is in all respects fair and in good faith without collusion or fraud. The Bidder further declares that he has examined the site of the work and the Contract Documents relative thereto and has read all special provisions furnished prior to the opening of bids; that he has satisfied himself relative to the work to be performed.

The Bidder proposes and agrees if this Proposal is accepted to contract with Buncombe County in the Form of Contract specified, to furnish all necessary materials, equipment, machinery, tools, apparatus, means of transportation and labor necessary to construct the New Restroom Building & Waterline Extension in full and complete accordance with the Plans, Specifications, and Contract Documents, to the full and entire satisfaction of Buncombe County and/or Engineer, with a definite understanding that no money will be allowed for extra work except as set forth in the any and all project documents, for the Sum of:

Base Bid:

(Written amount)
_____ **Dollars:** _____





General Services

Ronnie Lunsford
Facilities and Project Manager

Allowance 1 – Include Lump Sum Allowance of \$2,000.00 for MSD Permit.

NOTE: Allowance amounts are fixed, and no entry of data is required by the Bidder. Include Allowance amount in the Base Bid. Allowance must be included in the Base Bid and NOT as a separate dollar amount.

Unit Price 1 – Unforeseen Additional Excavation and Replacement with Controlled Earth Fill as determined by the on-site soils engineer.

The Unit Price shall include the cost to remove and dispose of unforeseen debris, uncompacted or loose fill, etc. and to replace the removed unforeseen additional excavation with controlled earth fill. The Unit Price shall also include the cost of surveys, calculations, drawings, etc., required to document the extent of the excavations and to determine the total cost for this Work.

Unit of Measurement: Cubic yard of excavation and controlled fill.

_____ (Written amount)

_____ Dollars: _____ per Cubic Yard

Time of Completion: _____ Consecutive Calendar Days

The undersigned agrees that substitutions will not be made without written approval of the Owner and/or Engineer and then for the reason to improve the quality of the work and to furnish savings in cost to the Owner.

Addenda have been received as follows:

Addendum # _____ **Date:** _____

Addendum # _____ **Date:** _____





General Services

Ronnie Lunsford
Facilities and Project Manager

The undersigned further agrees to begin work promptly after a Notice to Proceed with an adequate force, provide a construction schedule of all work tasks to be performed, carry the work forward as rapidly as possible, and complete the entire project within the number of days specified herein.

It is directly understood that Buncombe County reserves the unqualified right to reject any and all bids should it be deemed in the best interest of the Owner.

Name of Bidder: _____

Signature: _____ **Date:** _____

Title: _____

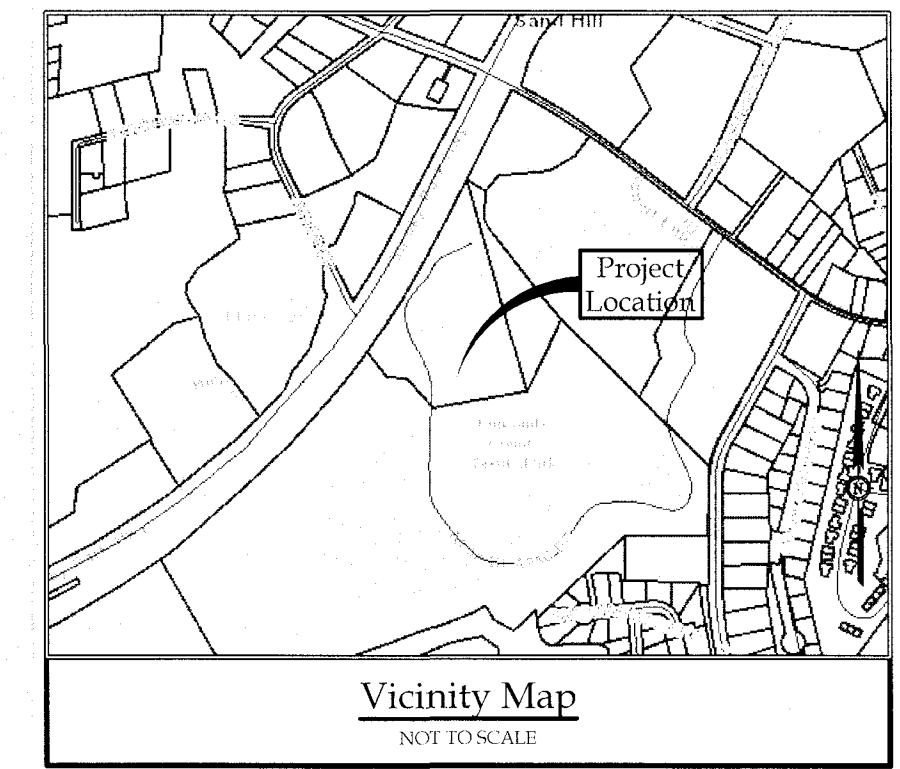
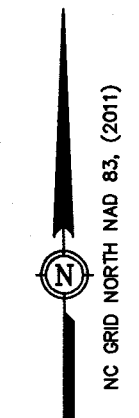
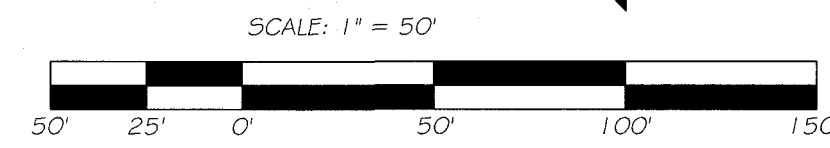
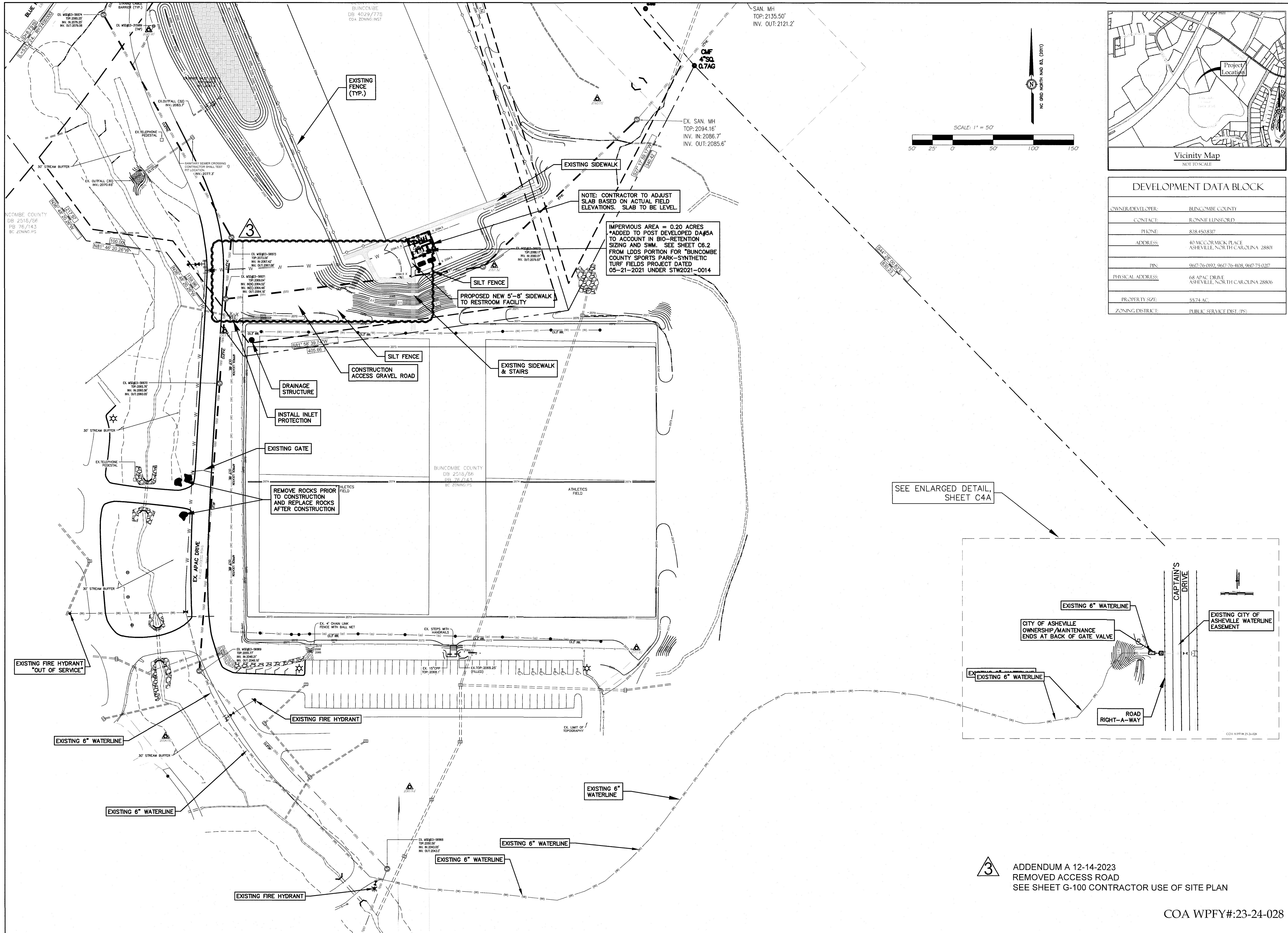
Date Proposal Executed: _____, 2023.

License No.: _____



Appendix C
Revised Drawings

1. SHEET C2
2. SHEET C3
3. SHEET C4
4. SHEET REF3
5. SHEET G100
6. SHEET A001
7. SHEET A002
8. SHEET A101
9. SHEET A103
10. SHEET P1
11. SHEET P2
12. SHEET P3
13. SHEET M2
14. SHEET E3

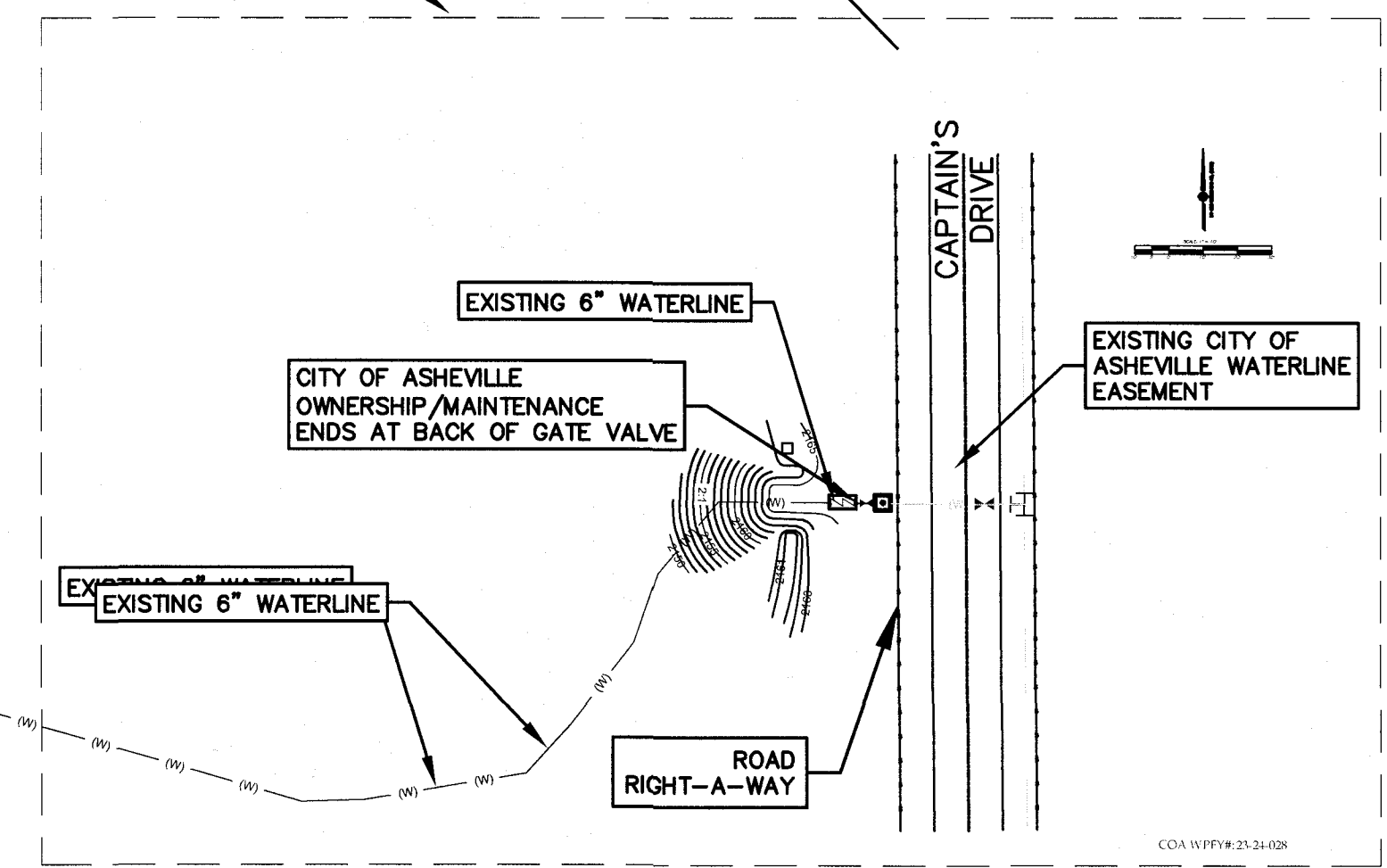


DEVELOPMENT DATA BLOCK	
OWNER/DEVELOPER:	BUNCOMBE COUNTY
CONTACT:	RONNIE LINSFORD
PHONE:	828-450-8317
ADDRESS:	40 MCCORMACK PLACE ASHEVILLE, NORTH CAROLINA 28801
PIN:	9867-76-0392, 9867-76-4038, 9867-75-0217
PHYSICAL ADDRESS:	68 APAC DRIVE ASHEVILLE, NORTH CAROLINA 28806
PROPERTY SIZE:	55.74 AC.
ZONING DISTRICT:	PUBLIC SERVICE DIST. (PS)

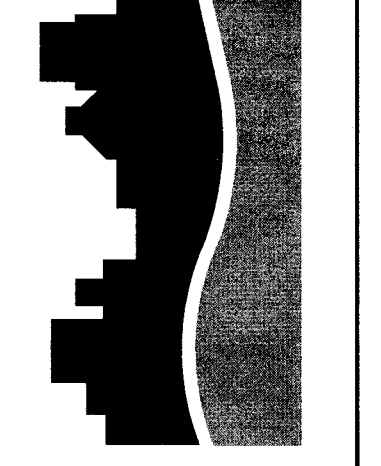
NOTE: CONTRACTOR TO ADJUST SLAB BASED ON ACTUAL FIELD ELEVATIONS. SLAB TO BE LEVEL.

IMPERVIOUS AREA = 0.20 ACRES
 *ADDED TO POST DEVELOPED DA#5A TO ACCOUNT IN BIO-RETENTION SIZING AND SWM. SEE SHEET C6.2 FROM LDD5 PORTION FOR "BUNCOMBE COUNTY SPORTS PARK-SYNTHETIC TURF FIELDS PROJECT DATED 05-21-2021 UNDER STW2021-0014"

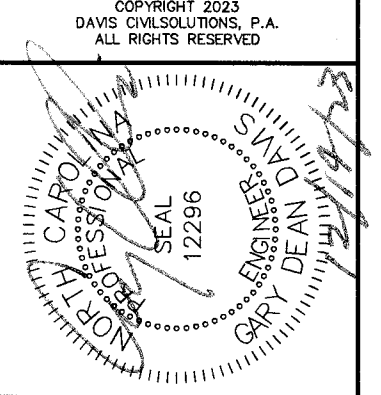
SEE ENLARGED DETAIL SHEET C4A



Davis CivilSolutions, PA
 Site/Infrastructure Engineering/Planning
 135 S. Charlotte Hwy. Asheville, North Carolina 28801
 828-299-9419 FAX: www.daviscivilsolutions.com



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**Site Plan & Waterline Extension For
 BUNCOMBE COUNTY SPORTS PARK
 68 APAC DRIVE
 ASHEVILLE, NORTH CAROLINA**

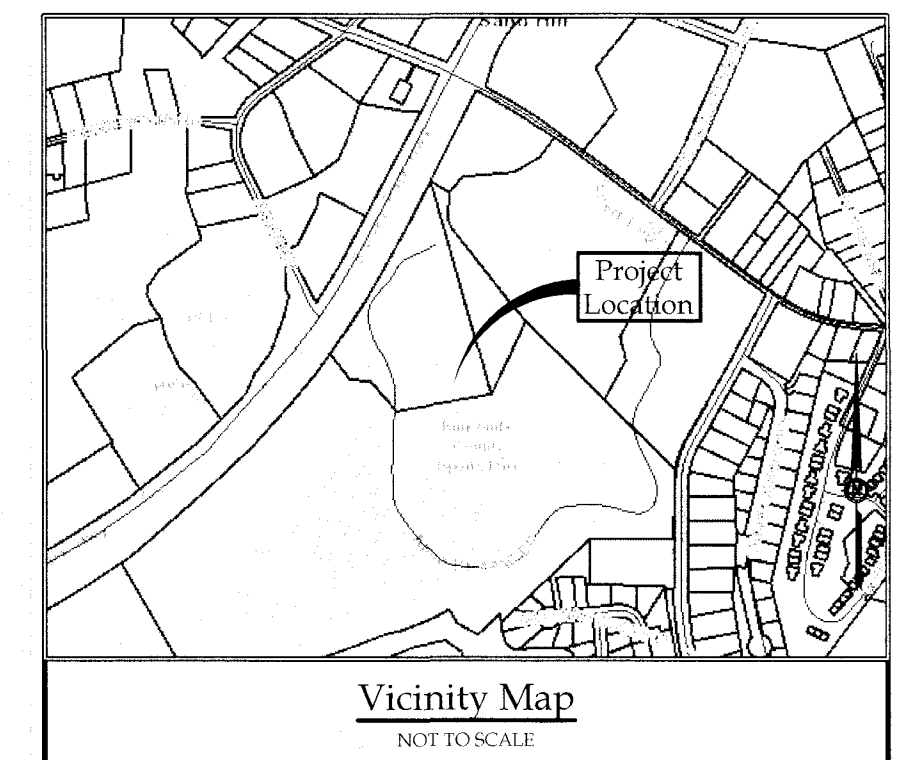
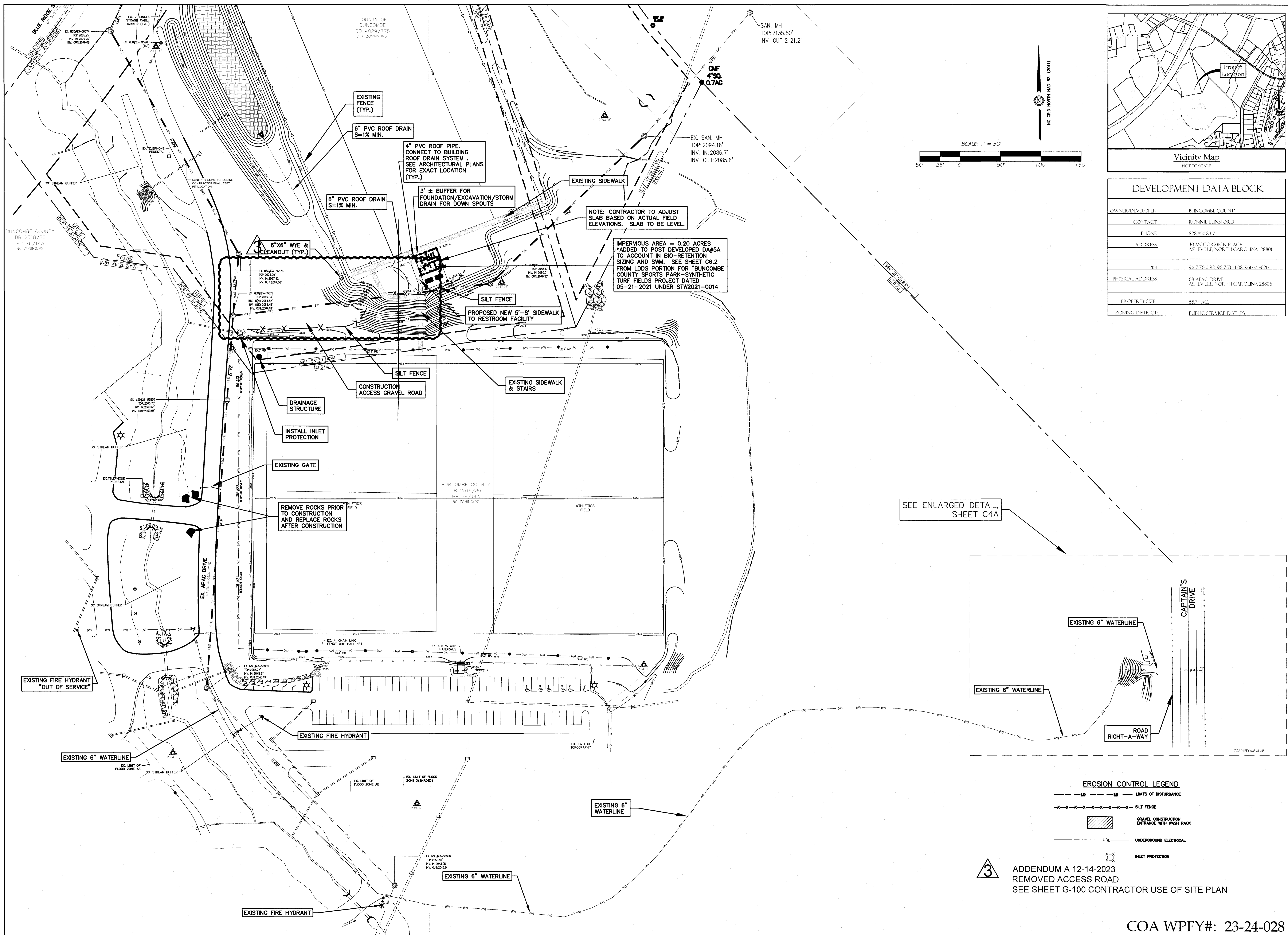
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Layout

Sheet
C2

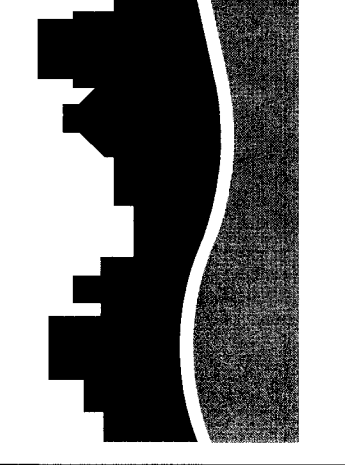
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 REMOVED ACCESS ROAD
 SEE SHEET G-100 CONTRACTOR USE OF SITE PLAN

COA WPFY#:23-24-028

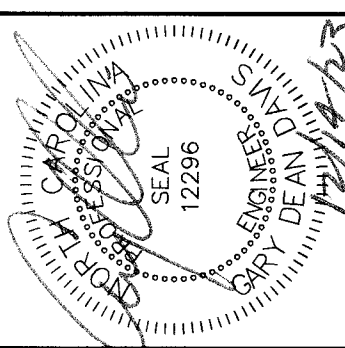


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CONTACT:	RONNE LUNSFORD
PHONE:	828-450-8317
ADDRESS:	40 MCCORMACK PLACE ASHEVILLE, NORTH CAROLINA 28801
PIN:	9617-76-092, 9617-76-108, 9617-73-017
PHYSICAL ADDRESS:	68 APAC DRIVE ASHEVILLE, NORTH CAROLINA 28806
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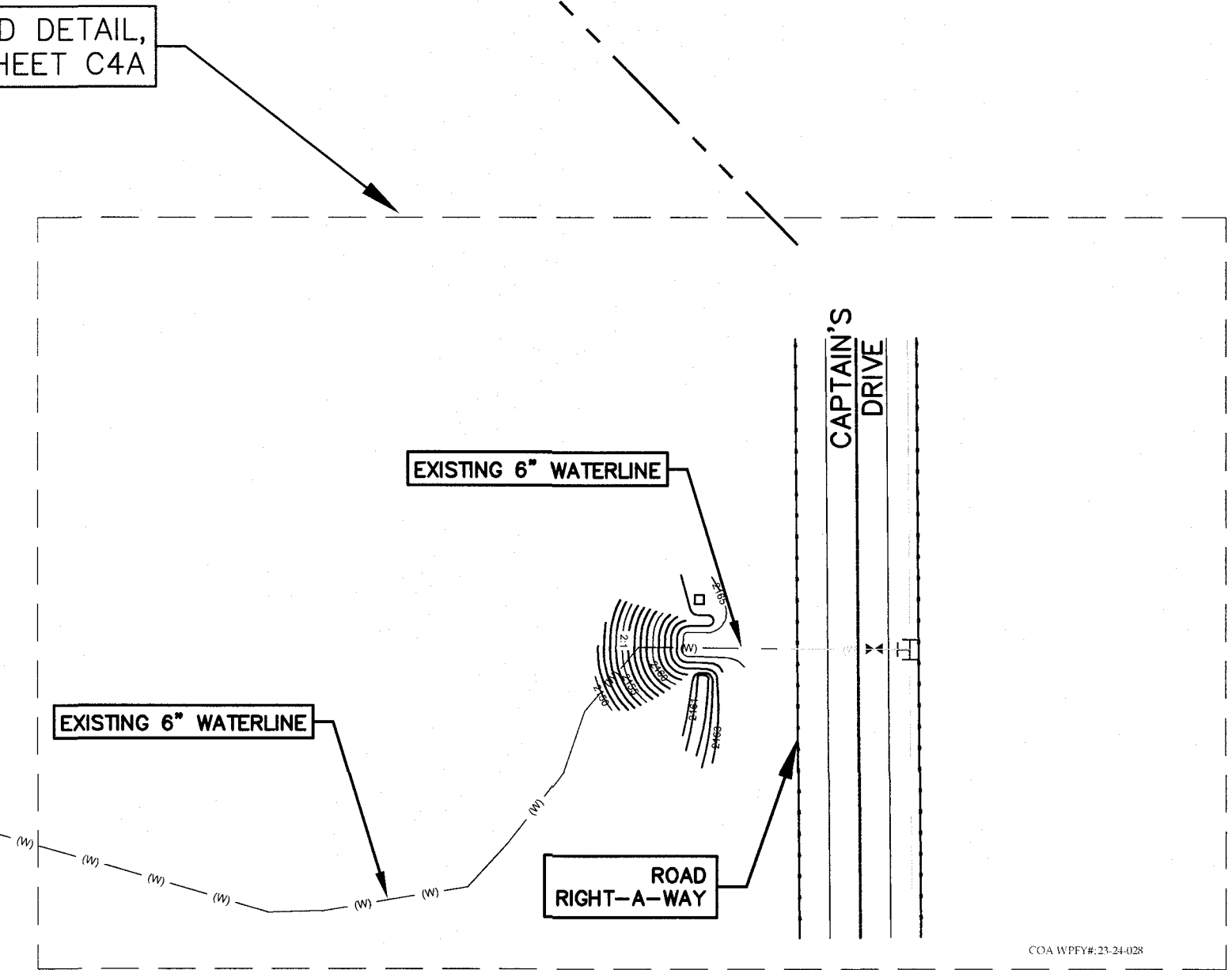
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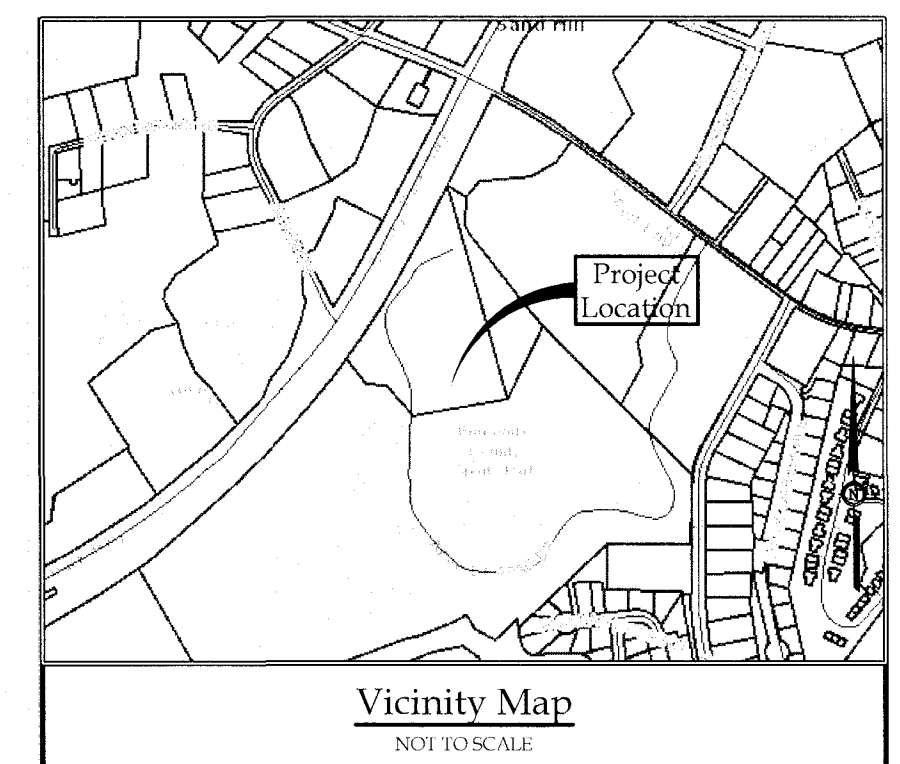
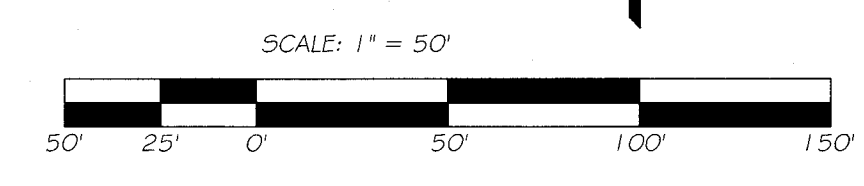
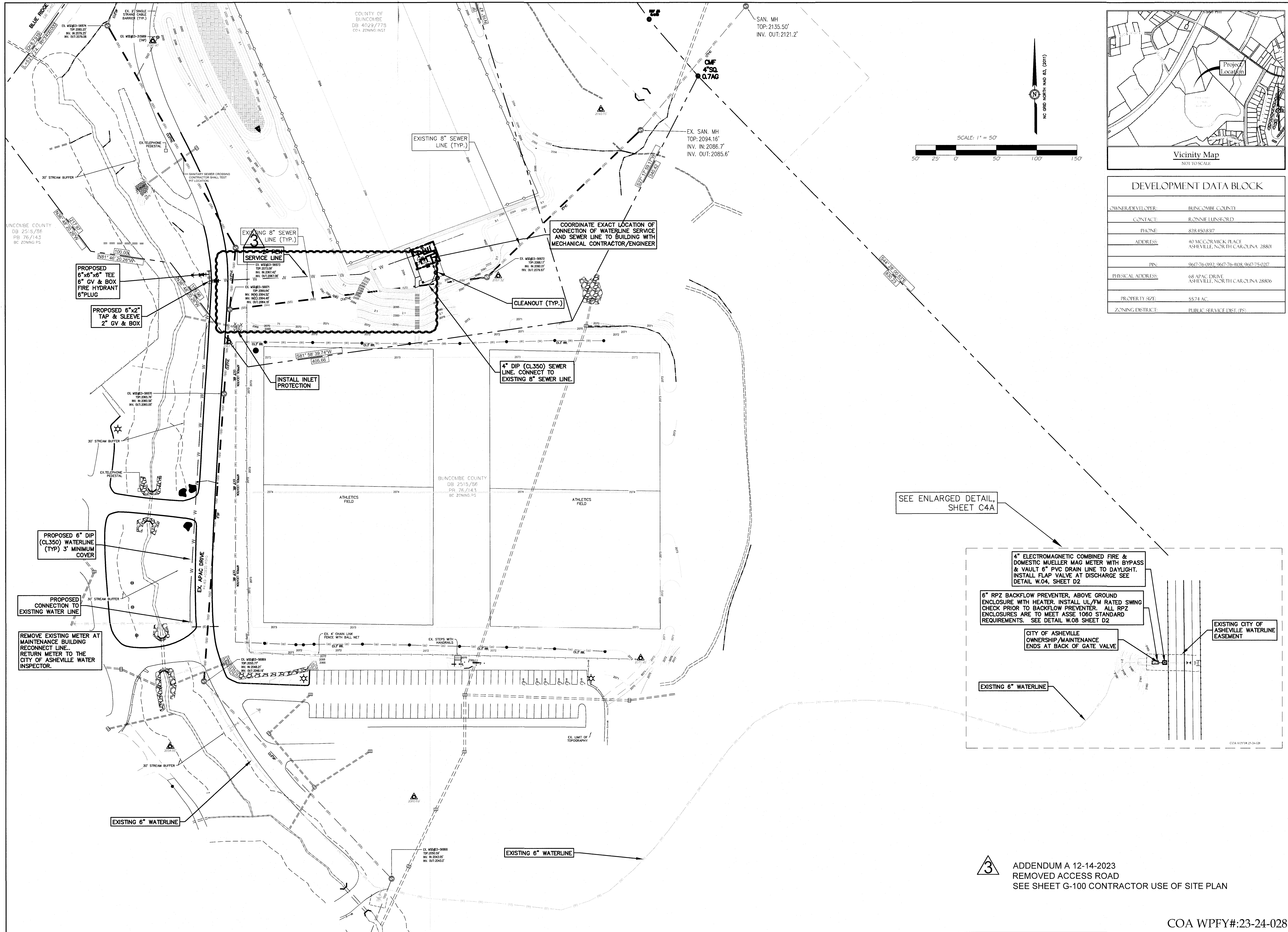
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 Date: November 28, 2024
 Scale: 1"=50'
 Revision: A

**Grading, Stormwater,
 and Erosion Control**



EROSION CONTROL LEGEND	
	LIMITS OF DISTURBANCE
	SILT FENCE
	GRAVEL CONSTRUCTION ENTRANCE WITH WASH RACK
	UNDERGROUND ELECTRICAL
	INLET PROTECTION

3 ADDENDUM A 12-14-2023
 REMOVED ACCESS ROAD
 SEE SHEET G-100 CONTRACTOR USE OF SITE PLAN



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 68 APAC DRIVE
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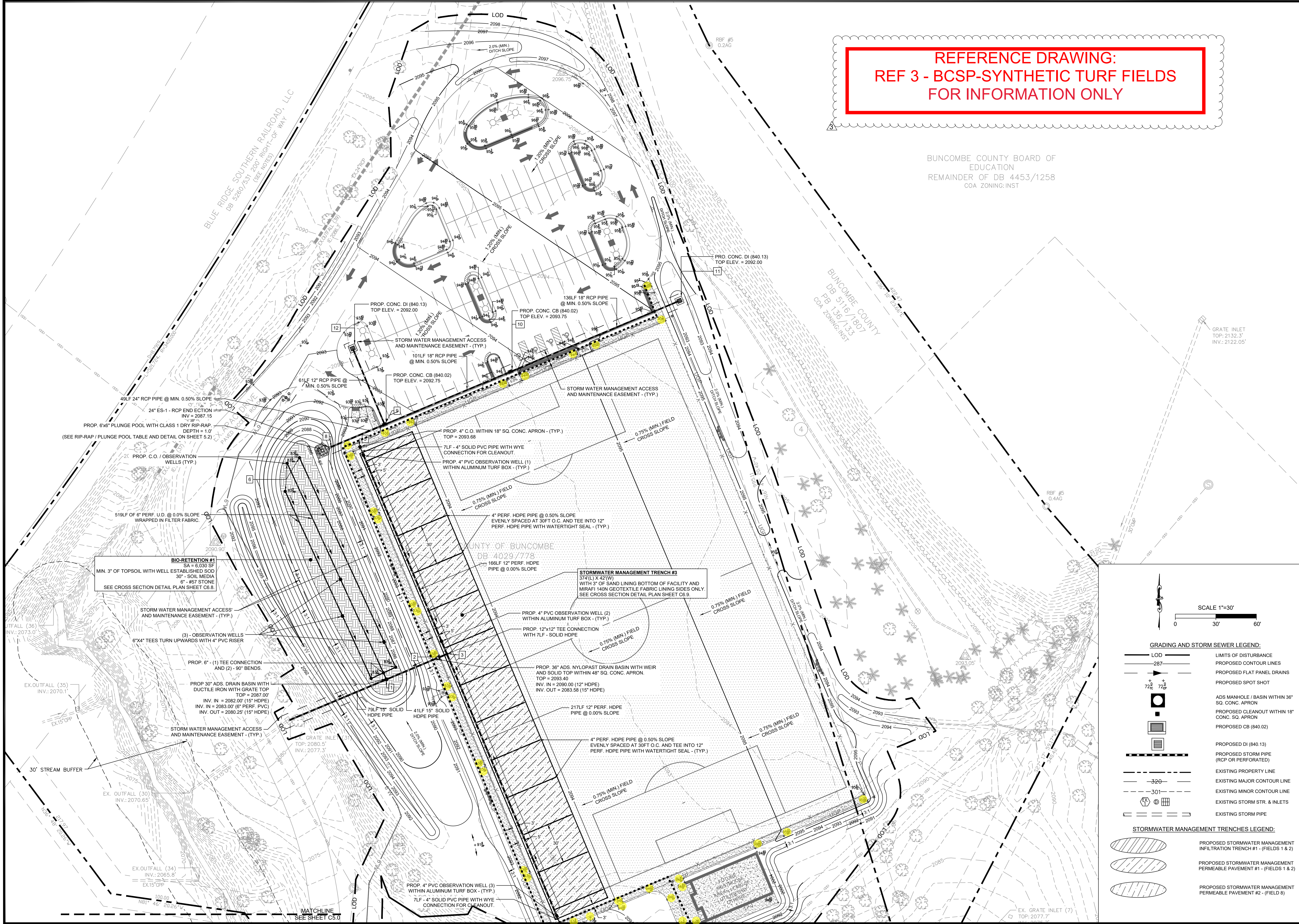
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 Date: November 28, 2023
 Scale: 1"=50'
 Revision: A (12-14-23) ADDENDUM A

Utilities

Sheet
C4

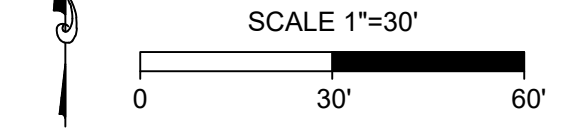
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 REMOVED ACCESS ROAD
 SEE SHEET G-100 CONTRACTOR USE OF SITE PLAN

COA WPFY#:23-24-028



REFERENCE DRAWING:
REF 3 - BCSP-SYNTHETIC TURF FIELDS
FOR INFORMATION ONLY

BUNCOMBE COUNTY BOARD OF
EDUCATION
REMAINDER OF DB 4453/1258
COA ZONING: INST



- GRADING AND STORM SEWER LEGEND:**
- LOD
 - PROPOSED CONTOUR LINES
 - PROPOSED FLAT PANEL DRAINS
 - PROPOSED SPOT SHOT
 - ADS MANHOLE / BASIN WITHIN 36\"/>
- STORMWATER MANAGEMENT TRENCHES LEGEND:**
- PROPOSED STORMWATER MANAGEMENT INFILTRATION TRENCH #1 - (FIELDS 1 & 2)
 - PROPOSED STORMWATER MANAGEMENT PERMEABLE PAVEMENT #1 - (FIELDS 1 & 2)
 - PROPOSED STORMWATER MANAGEMENT PERMEABLE PAVEMENT #2 - (FIELD 8)



THIS DOCUMENT, TOGETHER WITH THE CONCEPTS AND DESIGNS PRESENTED HEREIN, AS AN INSTRUMENT OF SERVICE, IS INTENDED ONLY FOR THE SPECIFIC PURPOSE AND CLIENT FOR WHICH IT WAS PREPARED. REUSE OF AND IMPROPER RELIANCE ON THIS DOCUMENT WITHOUT WRITTEN AUTHORIZATION AND ADAPTATION BY LEADING DESIGN & DEVELOPMENT, LLC IS NOT PERMITTED.



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13384 BERLIN TURNPIKE
LOVETTSTVILLE, VA 20180
TEL: 703.999.9748
www.lddsports.com

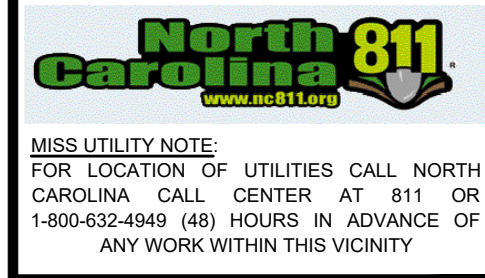


REVISION

No.	DESCRIPTION	DATE
1	COUNTY COMMENTS	05/25/2021

PROJECT NAME & ADDRESS:
BUNCOMBE COUNTY SPORTS PARK - SYNTHETIC TURF FIELDS
58 APAC DRIVE
ASHEVILLE, NC 28801

SITE INFORMATION:
FIRE DISTRICT: FEC
PARCEL PIN: 9617-75-0217-00000
SIZE: 44.52 ACRES
LAND USE CODE: COUNTY PARKS
ZONED: PUBLIC SERVICE DIST. (PS)
DEED REF: 2518 / 0086
PLAT BOOK & PLAT PAGE: 0076 / 0143



DRAWN BY	DESIGNED	CHECKED
KWG	MSV	RJT

PROJECT No: 2018-06
DATE: 05-25-2021

DRAWING TITLE:
GRADING PLAN

SCALE: SEE PLAN SHEET
DRAWING No: **C5.1**

SECTION 013300 - SUBMITTAL PROCEDURES
SUBMIT AT A MINIMUM THE PRODUCT DATA, SAMPLES, DIGITAL SHOP DRAWINGS (AS APPLICABLE), AND WARRANTIES FOR EACH OF THE MATERIALS/SYSTEMS TO BE INSTALLED INCLUDING BUT NOT LIMITED TO THE FOLLOWING.

SECTION 016000 - PRODUCT REQUIREMENTS
PROVIDE PRODUCTS THAT COMPLY WITH THE CONTRACT DOCUMENTS, ARE UNDAMAGED AND ARE NEW AT TIME OF INSTALLATION.

SECTION 017300 - EXECUTION
INSTALL PRODUCTS AND EQUIPMENT PER MANUFACTURERS WRITTEN INSTRUCTIONS AND APPROVED SHOP DRAWINGS.

SECTION 017700 - CLOSEOUT PROCEDURES
DEFINITION: SUBSTANTIAL COMPLETION SHALL BE THE DATE ON WHICH ALL WORK, OTHER THAN CORRECTION OF MINOR DEFICIENCIES, IS SUFFICIENTLY COMPLETE AND IN ACCORDANCE WITH THE CONTRACT DOCUMENTS TO THE POINT WHERE ALL REQUIRED INSPECTIONS ARE COMPLETED.

SECTION 024213 - GLASS UNIT MASONRY
A. Work included:
1. Hollow Glass Block, or solid glass block.

SECTION 072000 - BUILDING INSULATION
SECTION INCLUDES:
A. Perimeter foundation insulation.

SECTION 076200 - SHEET METAL FLASHING AND TRIM
SECTION INCLUDES:
A. FORMED ROOF DRAINAGE SHEET METAL FABRICATIONS.

SECTION 033950 - CURING, SEALING & HARDENING CONCRETE FLOORS
UNDER THIS SECTION OF THE SPECIFICATIONS THE CONTRACTOR SHALL FURNISH ALL LABOR AND MATERIALS REQUIRED TO COMPLETE THE FOLLOWING ITEMS OF WORK IN ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS.

SECTION 042131 - GLASS UNIT MASONRY
A. Work included:
1. Hollow Glass Block, or solid glass block.

SECTION 072000 - BUILDING INSULATION
SECTION INCLUDES:
A. Perimeter foundation insulation.

SECTION 076200 - SHEET METAL FLASHING AND TRIM
SECTION INCLUDES:
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SECTION 061000 - ROUGH CARPENTRY
PRESERVATIVE TREATMENT BY PRESSURE PROCESS: AWPA U1; USE CATEGORY UC2 FOR INTERIOR CONSTRUCTION NOT IN CONTACT WITH GROUND, USE CATEGORY UC3B FOR EXTERIOR CONSTRUCTION NOT IN CONTACT WITH GROUND, AND USE CATEGORY UC4A FOR ITEMS IN CONTACT WITH GROUND.

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FLASHING MATERIALS
SHEET FLASHING: ASTM A 361/A361M, 26 GAUGE (0.45 MM) STEEL WITH MINIMUM G115/2350 GALVANIZED COATING.

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FABRICATION
GENERAL: CUSTOM FABRICATE SHEET METAL FLASHING AND TRIM TO COMPLY WITH RECOMMENDATIONS IN SMACNAS ARCHITECTURAL SHEET METAL MANUAL THAT APPLY TO DESIGN, DIMENSIONS, GEOMETRY, METAL THICKNESS, AND OTHER CHARACTERISTICS OF ITEM INDICATED. FABRICATE TO THE SHOP TO LATEST EXTENT POSSIBLE.

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GENERAL NOTES
A. COORDINATE DIVISION 1 SPECIFICATIONS WITH OWNER REQUIREMENTS; IF CONFLICT OCCURS, OWNER REQUIREMENTS SHALL GOVERN.

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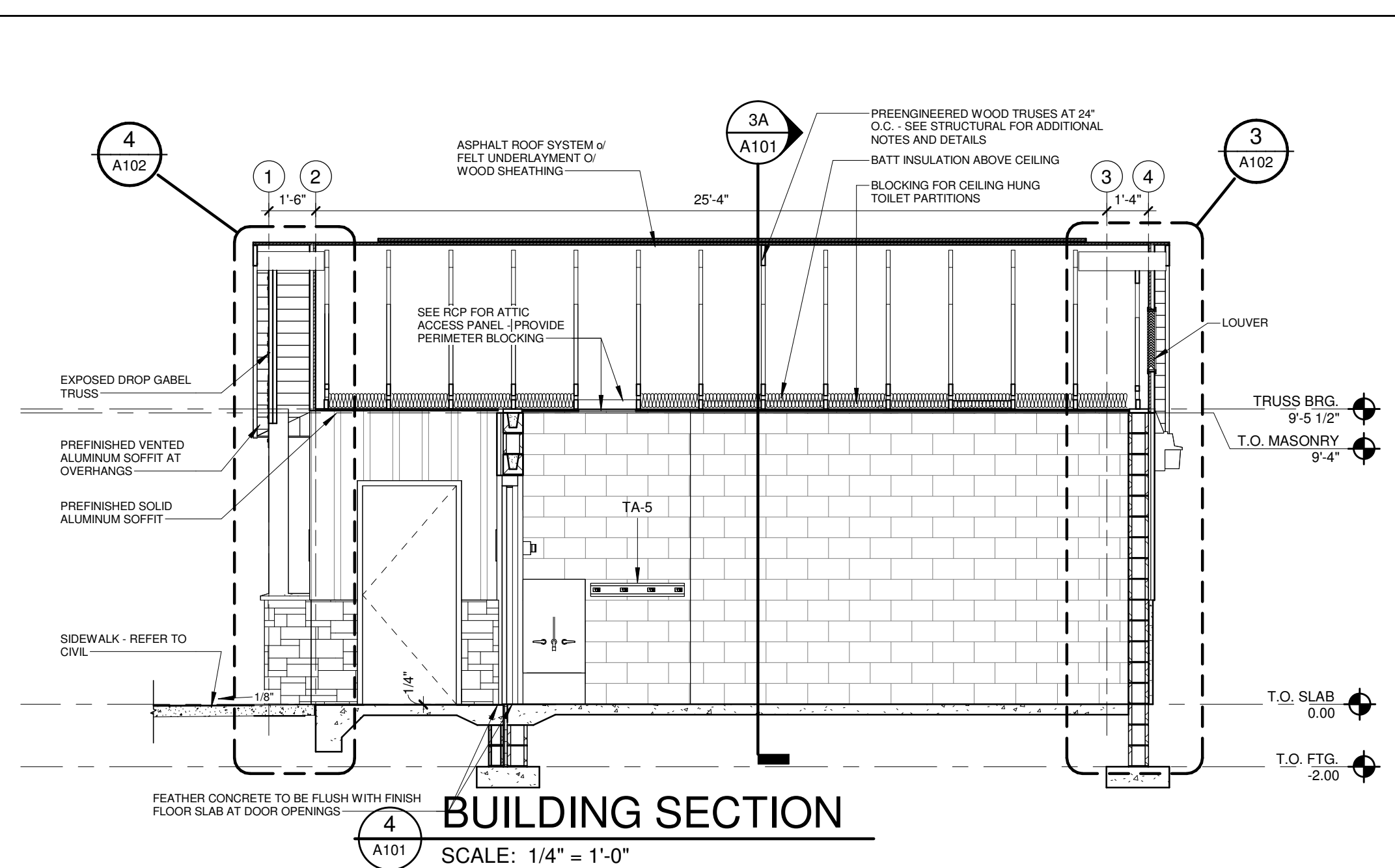
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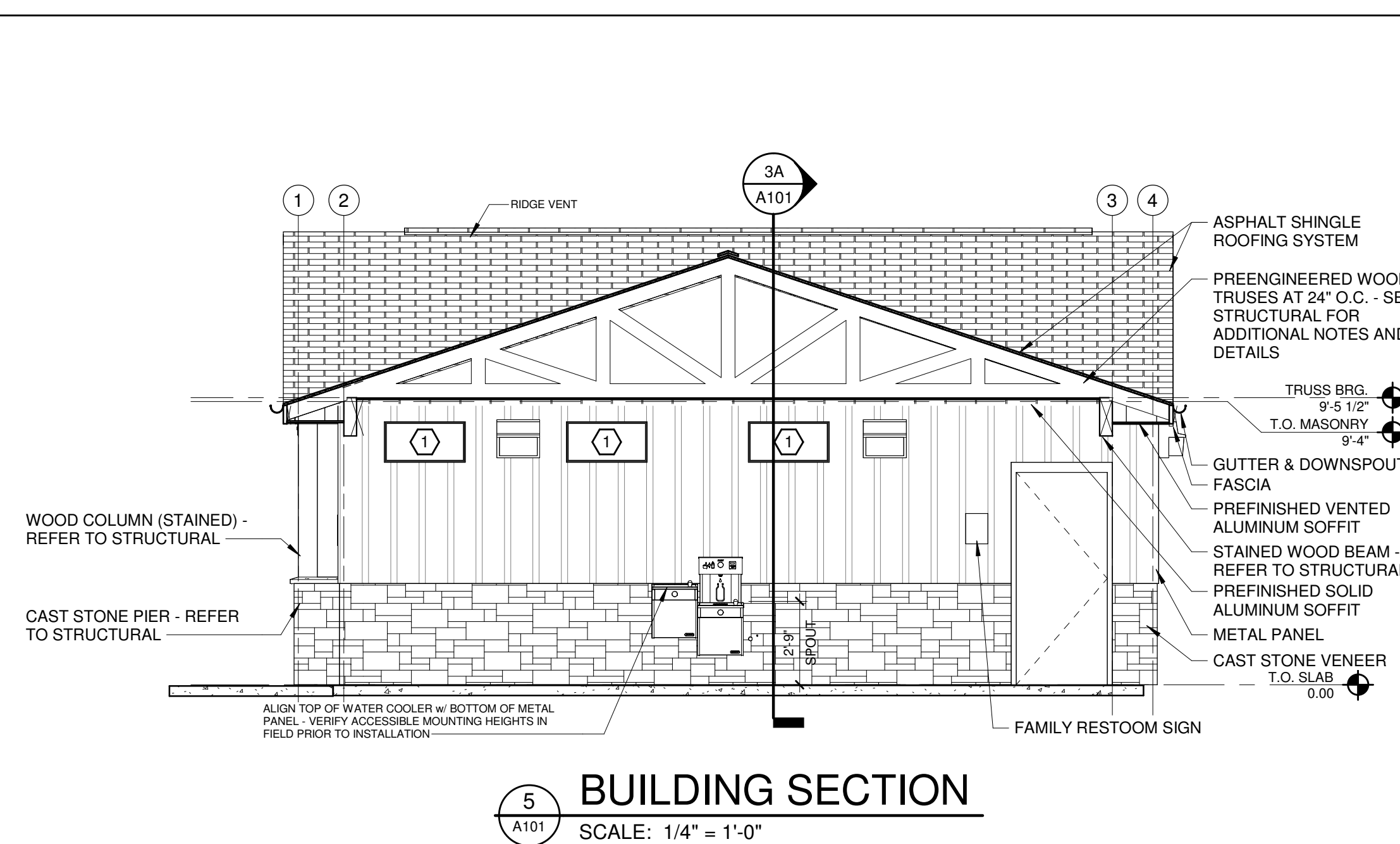
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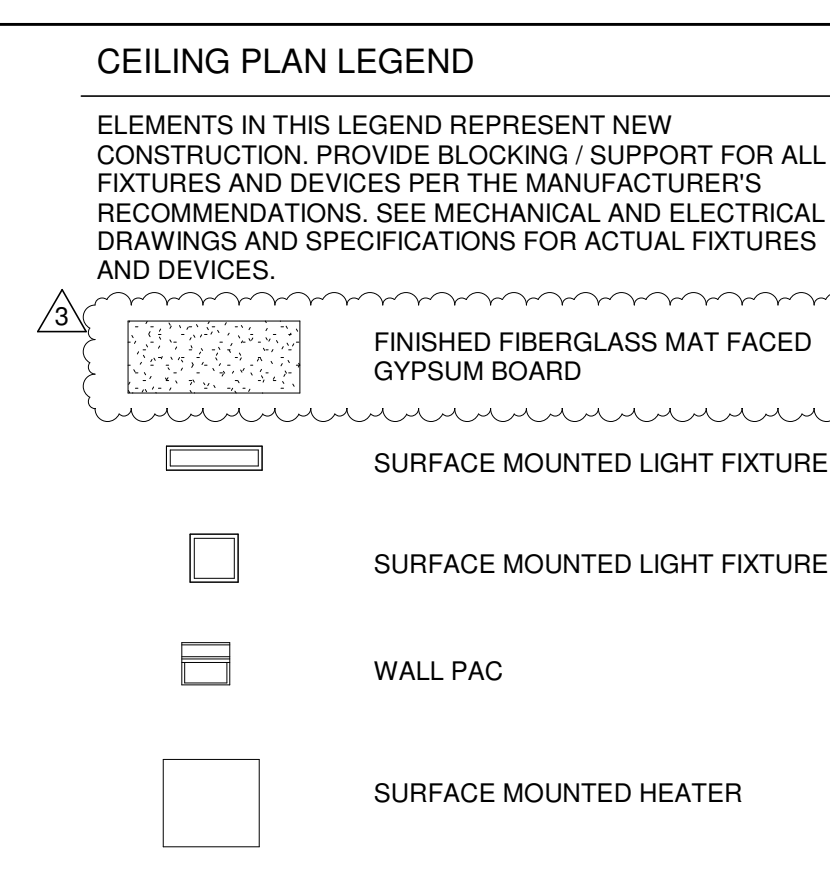
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BUILDING SECTION
SCALE: 1/4" = 1'-0"



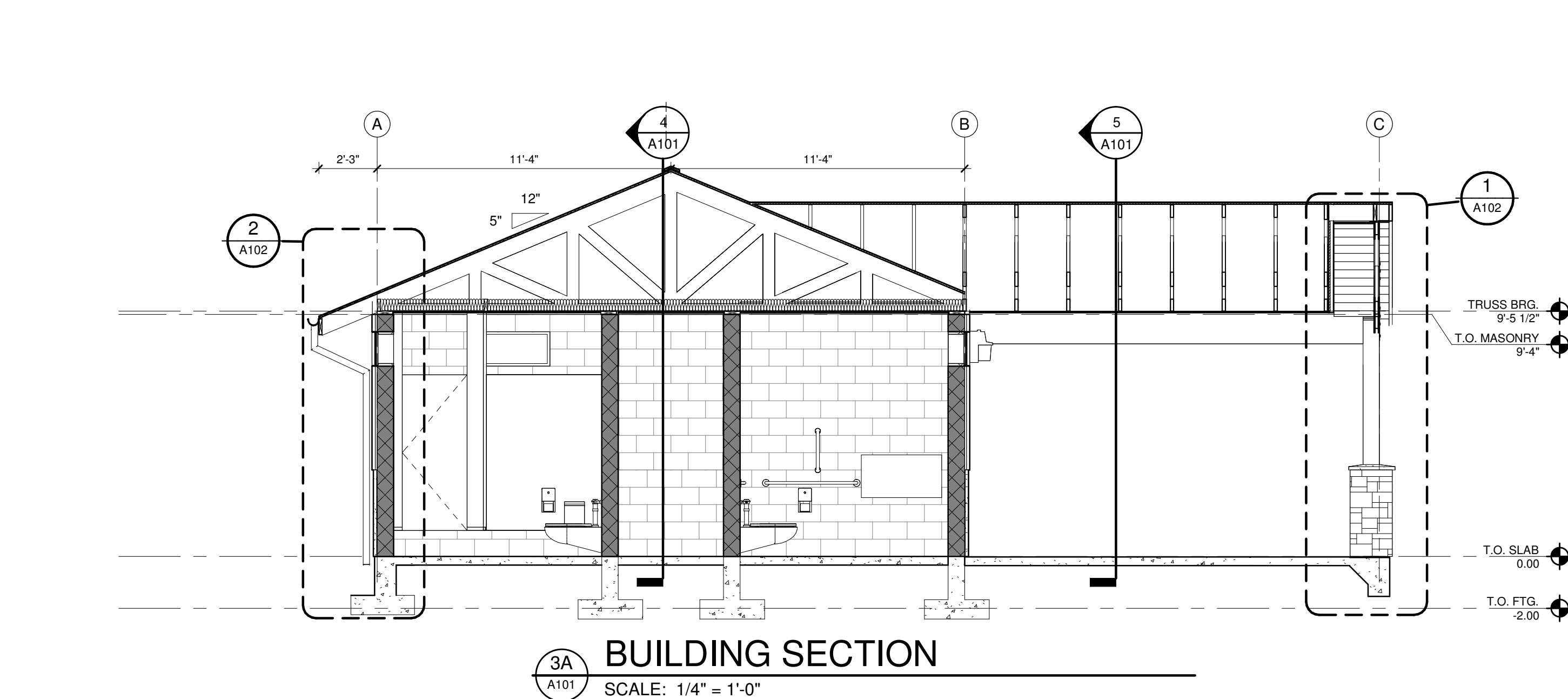
BUILDING SECTION
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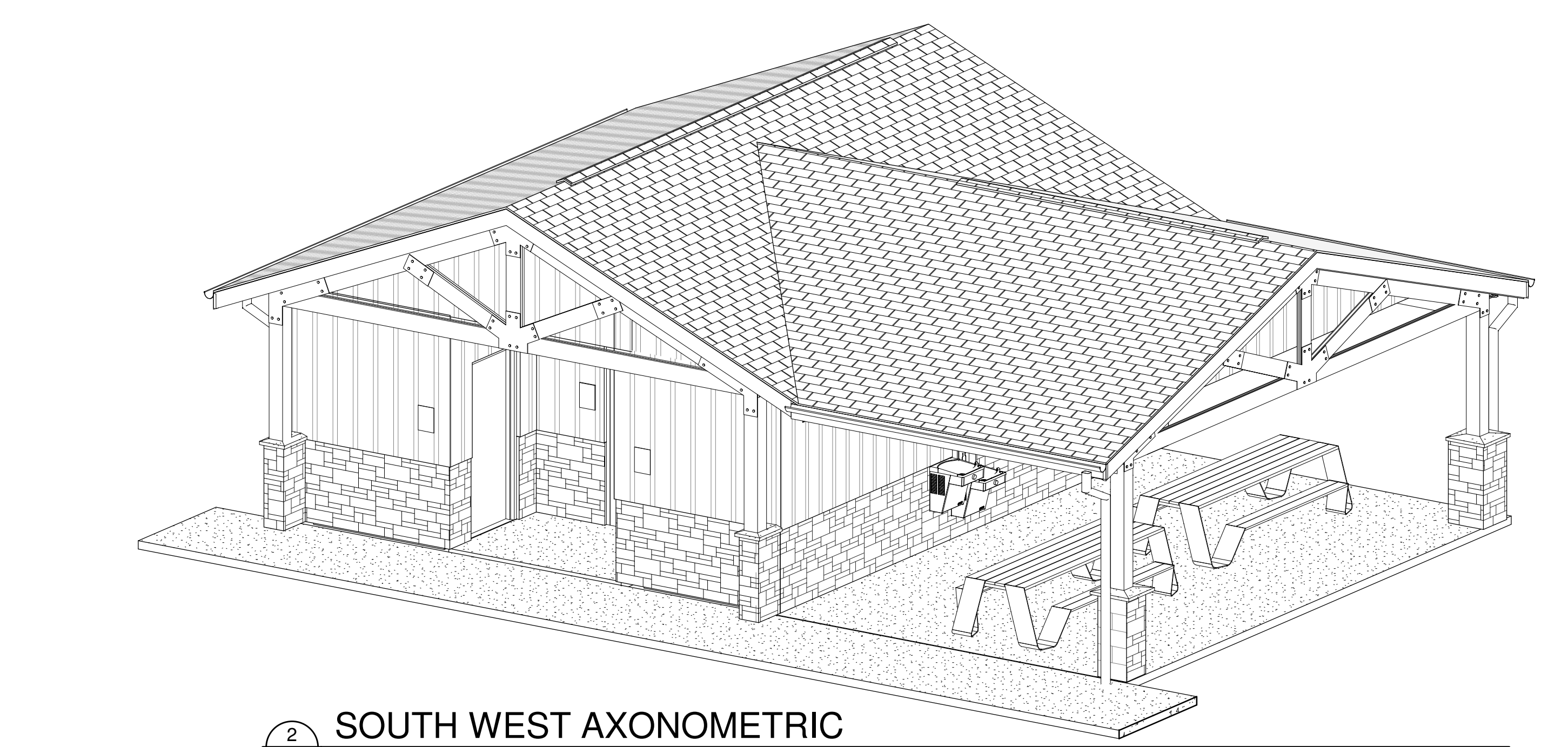
GENERAL NOTES

A. ACOUSTICAL CEILING GRIDS ARE CENTERED IN ROOMS IN BOTH DIRECTIONS UNLESS SPECIFICALLY DIMENSIONED OR NOTED OTHERWISE.

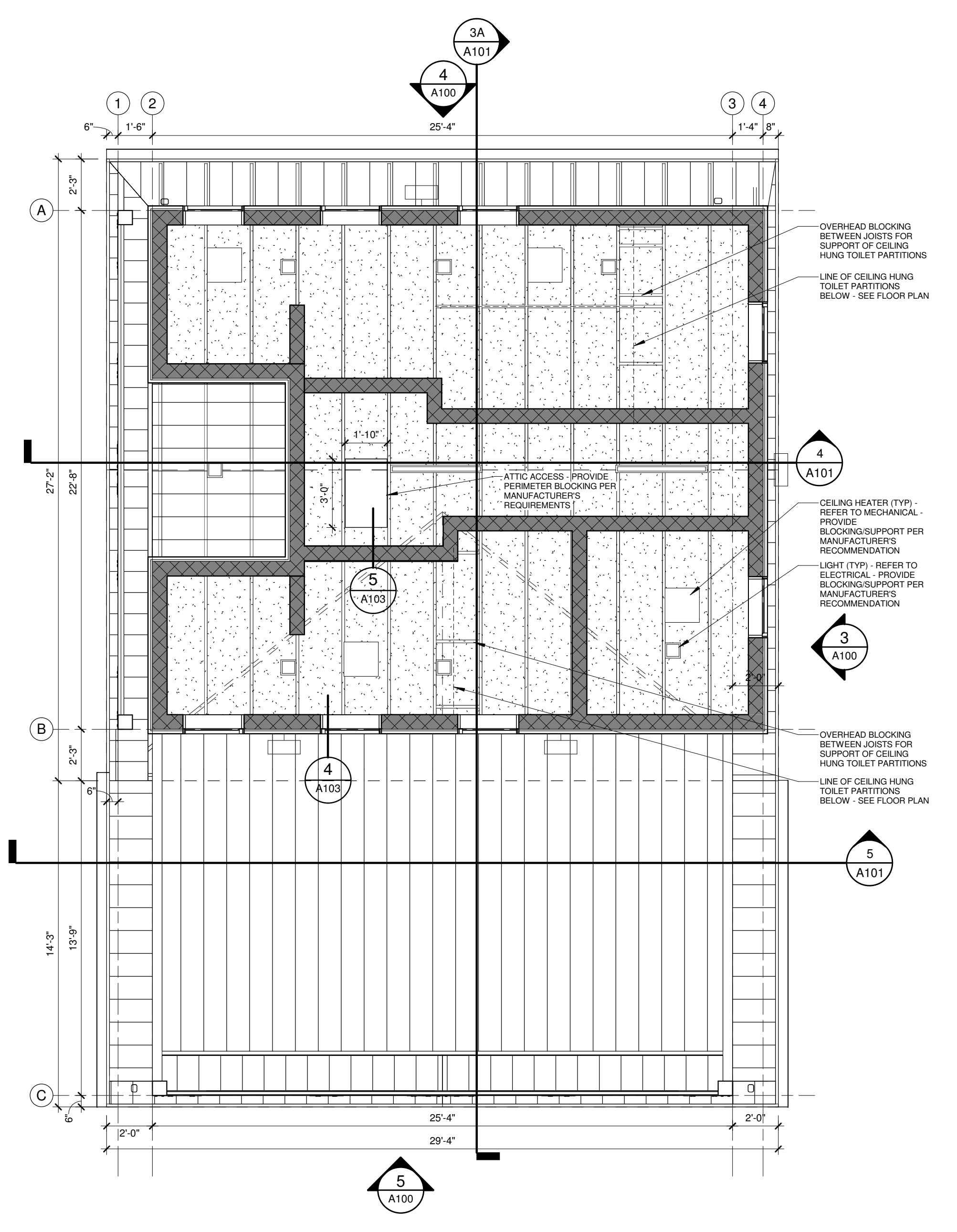
B. CENTER ALL FIXTURES IN CEILING TILES UNLESS NOTED OR DIMENSIONED OTHERWISE.



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



SOUTH WEST AXONOMETRIC
SCALE:



FIRST FLOOR REFLECTED CEILING PLAN
SCALE: 1/4" = 1'-0"

BUNCOMBE COUNTY SPORTS PARK RESTROOM BUILDING

58 APAC DRIVE
ASHEVILLE, NC

Prepared For
BUNCOMBE COUNTY

58 APAC DRIVE, ASHEVILLE, NC

DOMOKUR ARCHITECTS

4651 Medina Road
Akron, Ohio 44321-1315
p 330.666.7878

43 South Broad Street, Suite 201
Brevard, North Carolina 28712-3738
p 828.884.8478
www.domokur.com

Issue	Date	Description
1	11/17/2023	ISSUED FOR BID AND PERMIT
3	12/14/2023	ADDENDUM A

BUILDING SECTIONS & RCP

Project No: 2022090
Project Manager: MTT
Drawn By: Author

A101

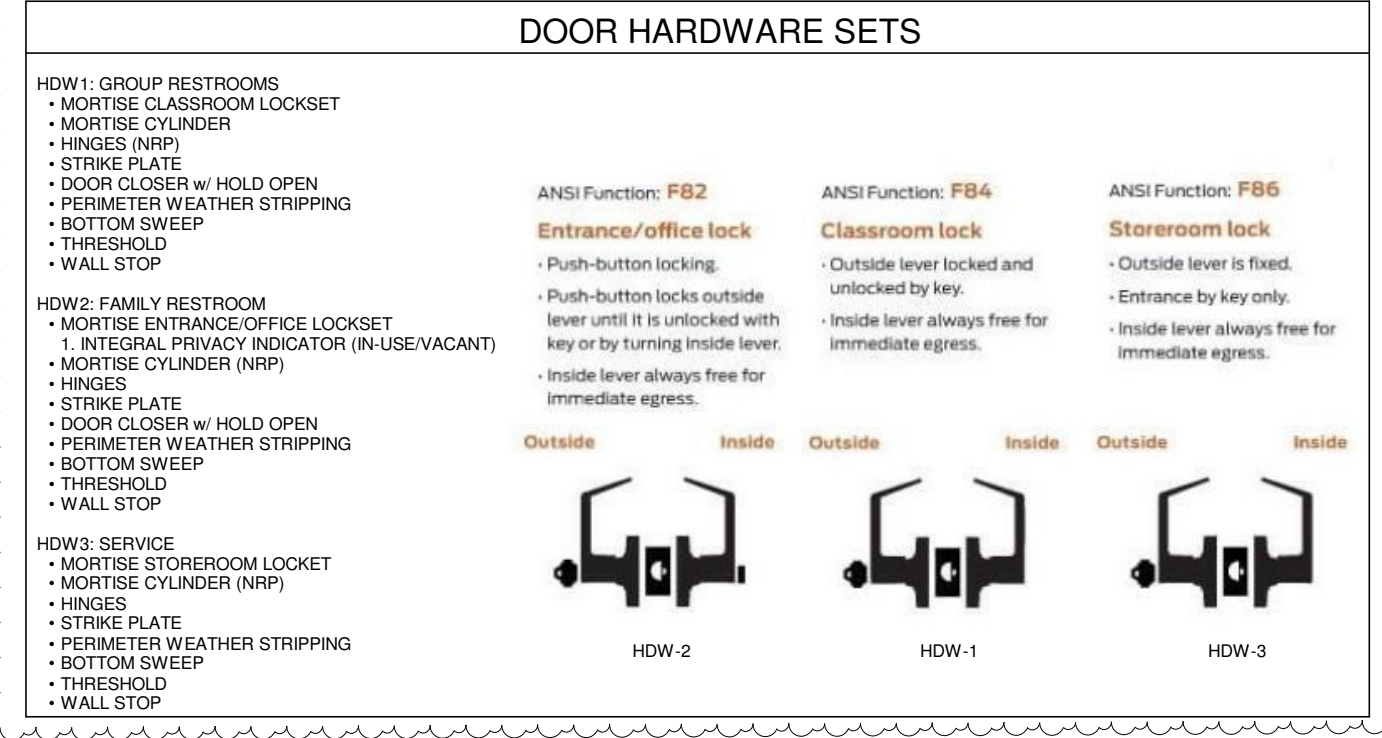
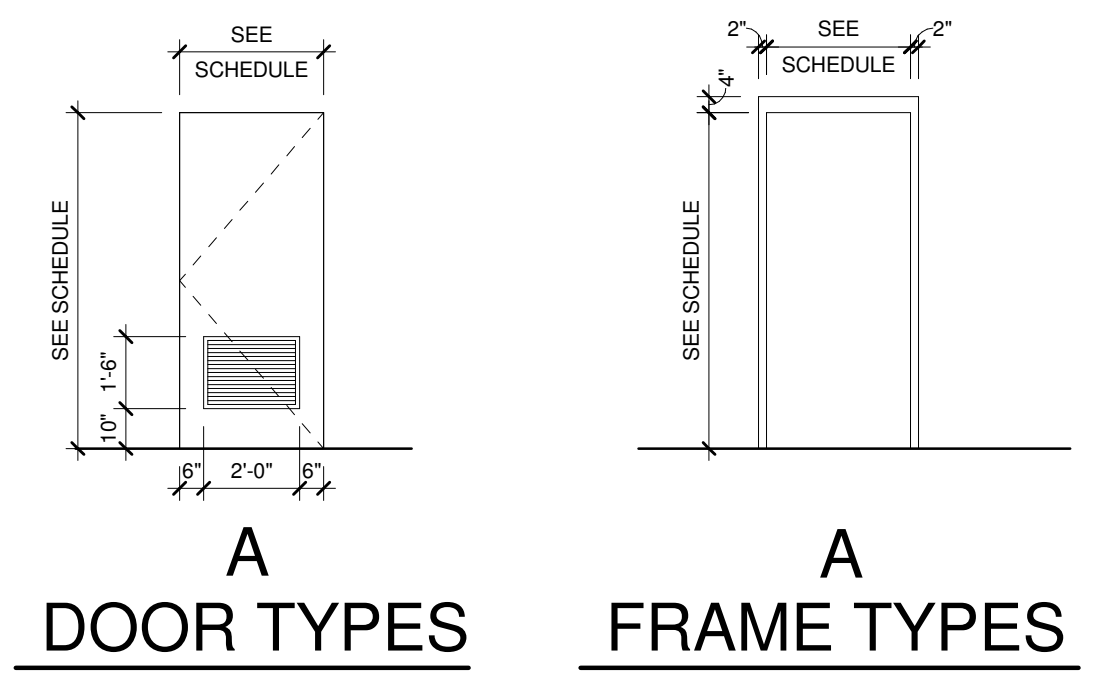
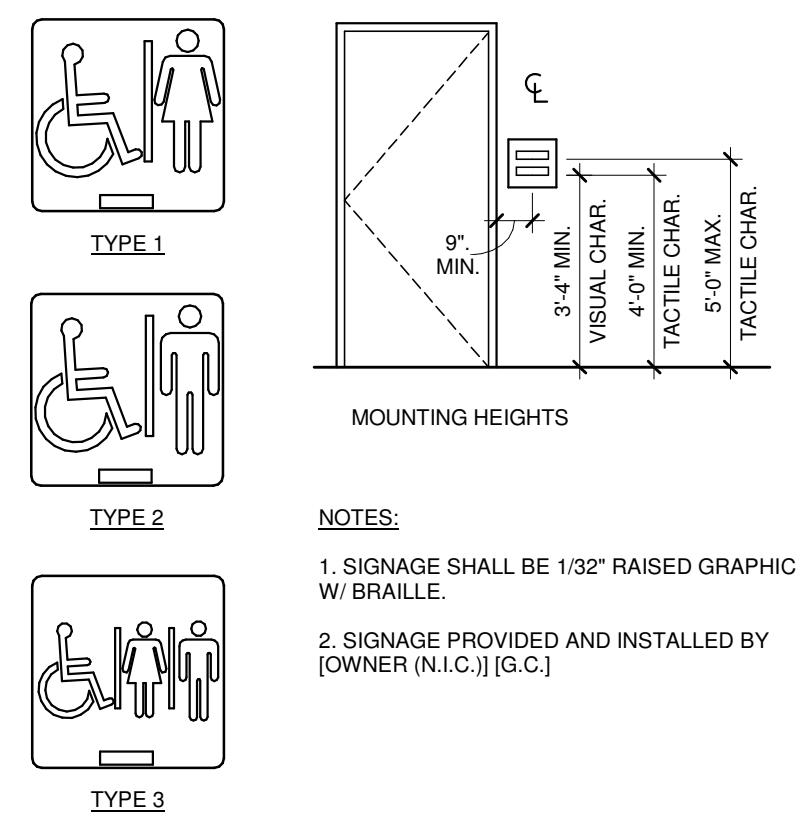
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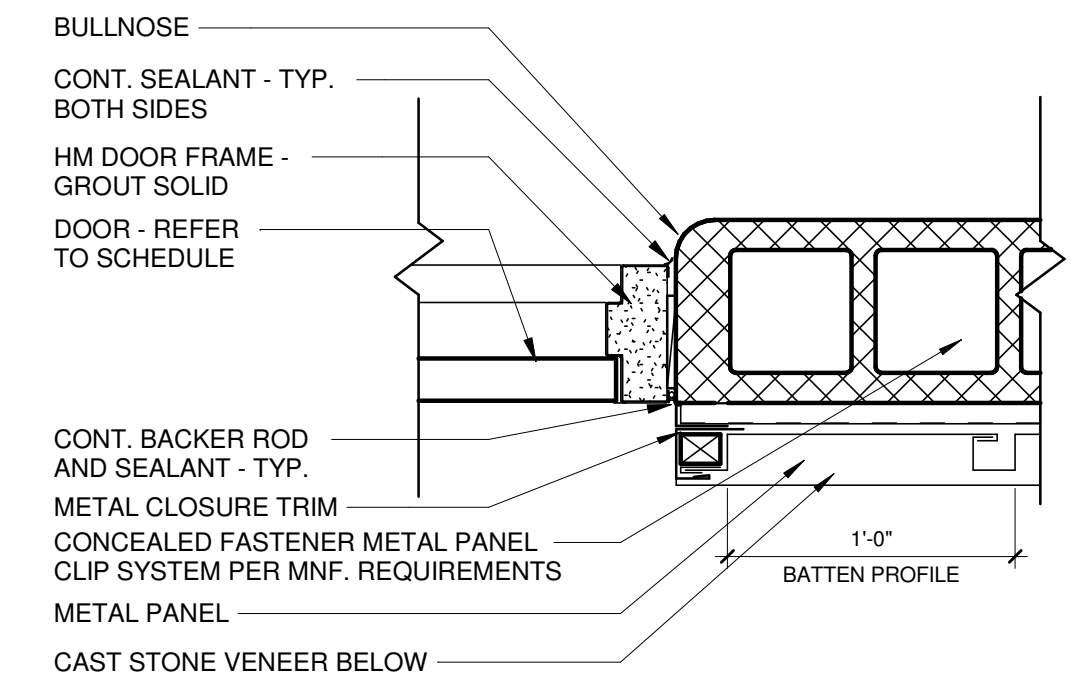
DOOR & FRAME SCHEDULE																
DOOR NO.	ROOM NAME	ROOM NO.	DOOR TYPE	SIZE			MAT'L	GLAZ.	HEAD	FRAME			FIRE LABEL	HDW	NOTE	
				WD	HT	THK				HEAD	JAMB	SILL				MAT'L
101	WOMEN	101	A	3'-0"	7'-0"	1 3/4"	HM	--	2	3	1	HM	HM-1	-	1	COORDINATE MASTERKEYING WITH OWNER
102	MEN	102	A	3'-0"	7'-0"	1 3/4"	HM	--	2	3	1	HM	HM-1	-	1	COORDINATE MASTERKEYING WITH OWNER
103	FAMILY RR	103	A	3'-0"	7'-0"	1 3/4"	HM	--	2	3	1	HM	HM-2	-	2	COORDINATE MASTERKEYING WITH OWNER
104	SERVICE	104	A	3'-0"	7'-0"	1 3/4"	HM	--	2	3	1	HM	HM-2	-	3	COORDINATE MASTERKEYING WITH OWNER

WALL / SYSTEM FINISHES	FLOOR FINISHES	CEILING
P-1 PAINT: WALLS MANF.: SHERWIN WILLIAMS COLOR: OWNER SELECTED SHEEN: OWNER SELECTED	SC-1 SEALED CONCRETE BC-1 BRUSHED CONCRETE	CLG-1 PAINT - FIBERGLASS MAT FACED GYPSUM BOARD MANF.: SHERWIN WILLIAMS COLOR: OWNER SELECTED SHEEN: OWNER SELECTED
P-2 PAINT: DOORS AND FRAMES MANF.: SHERWIN WILLIAMS COLOR: OWNER SELECTED SHEEN: OWNER SELECTED		
P-3 PAINT: EXTERIOR EXPOSED STRUCTURAL BRACKETS MANF.: SHERWIN WILLIAMS COLOR: OWNER SELECTED SHEEN: OWNER SELECTED		
ST-1 STAIN MANF.: SHERWIN WILLIAMS COLOR: OWNER SELECTED SHEEN: OWNER SELECTED		

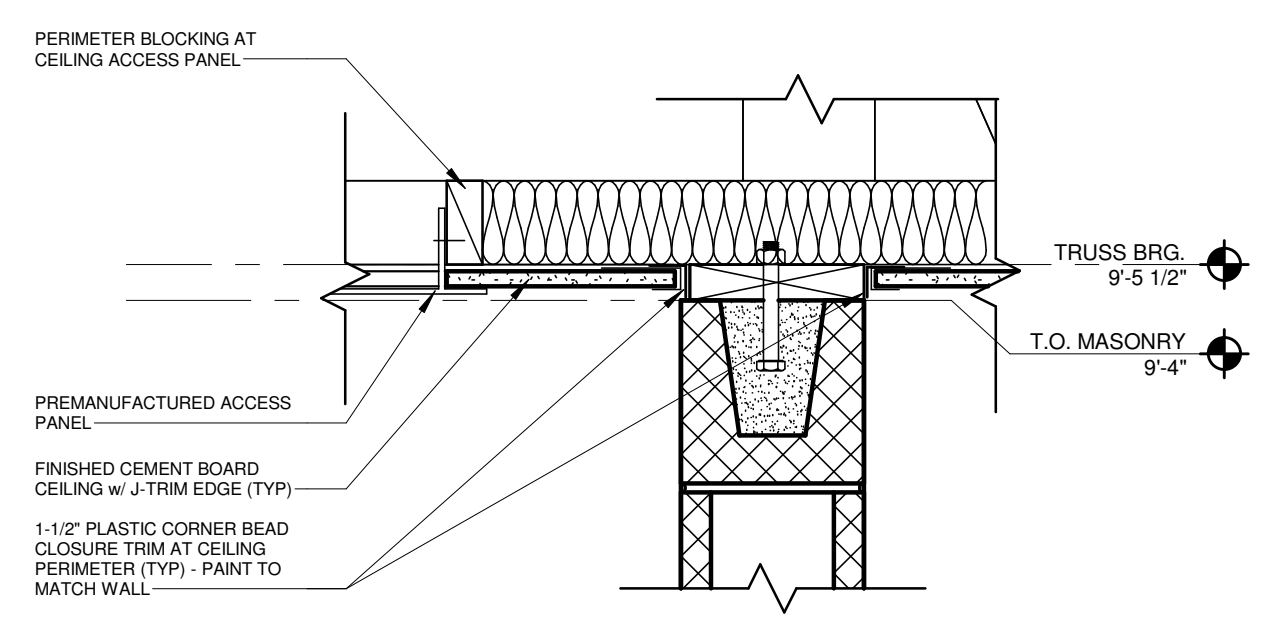
- GENERAL NOTES**
- REFER TO SPECIFICATIONS FOR PRODUCT INFORMATION.
 - INSTALL FLOORING TRANSITION STRIPS AS REQUIRED AT CHANGE OF MATERIAL. COLORS TO BE SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE.
 - PAINT ALL NEW HOLLOW METAL DOORS IN PROJECT AREA P-2
 - PAINT ALL NEW HOLLOW METAL DOOR FRAMES IN PROJECT AREA P-2



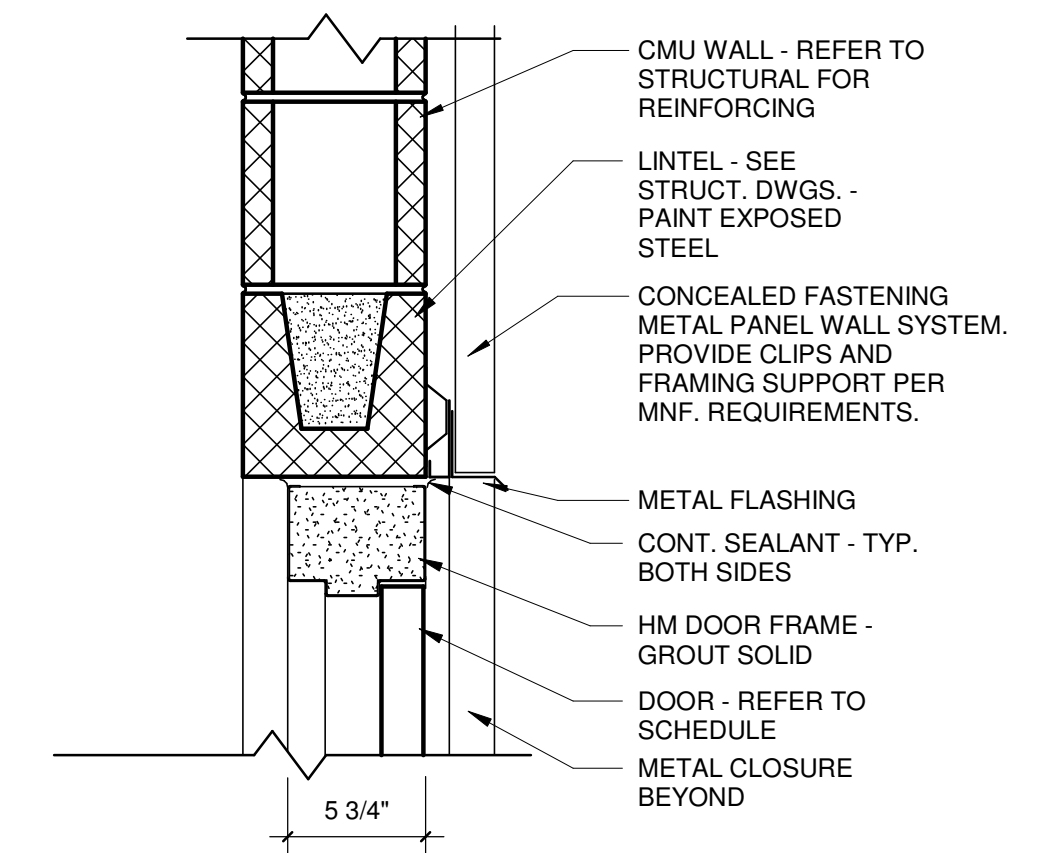
ROOM FINISH SCHEDULE						
ROOM NAME	ROOM NUMBER	WALL	BASE	FLOOR	CEILING	REMARKS
WOMEN	101	PT-1	-	SC-1	CLG-1	
MEN	102	PT-1	-	SC-1	CLG-1	
FAMILY RR	103	PT-1	-	SC-1	CLG-1	
SERVICE	104	PT-1	-	SC-1	CLG-1	



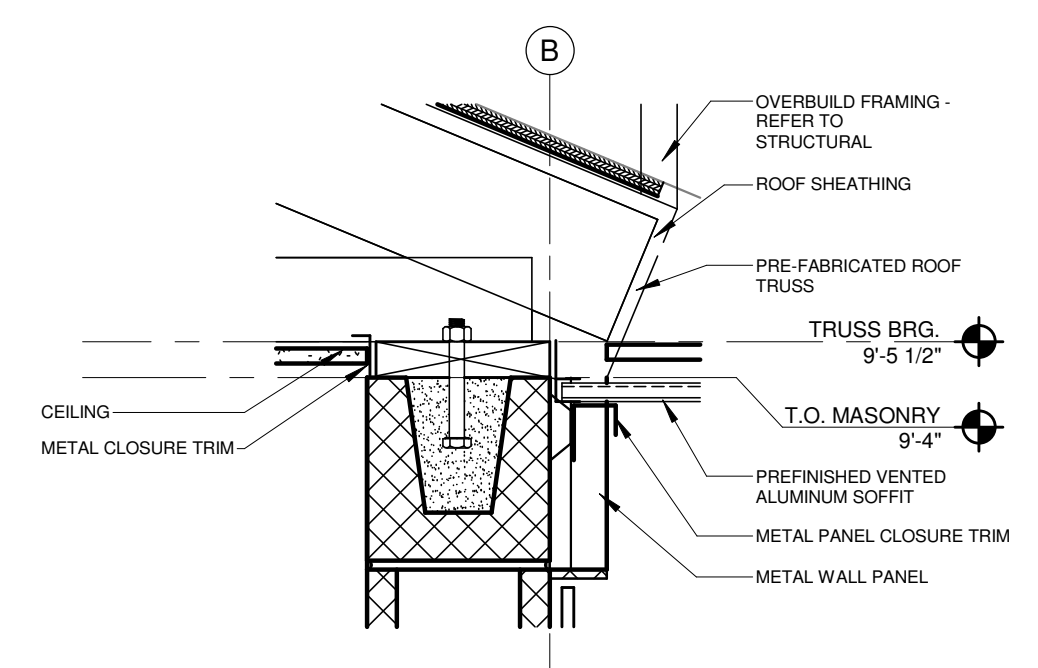
3 HM DOOR JAMB
SCALE: 1 1/2" = 1'-0"



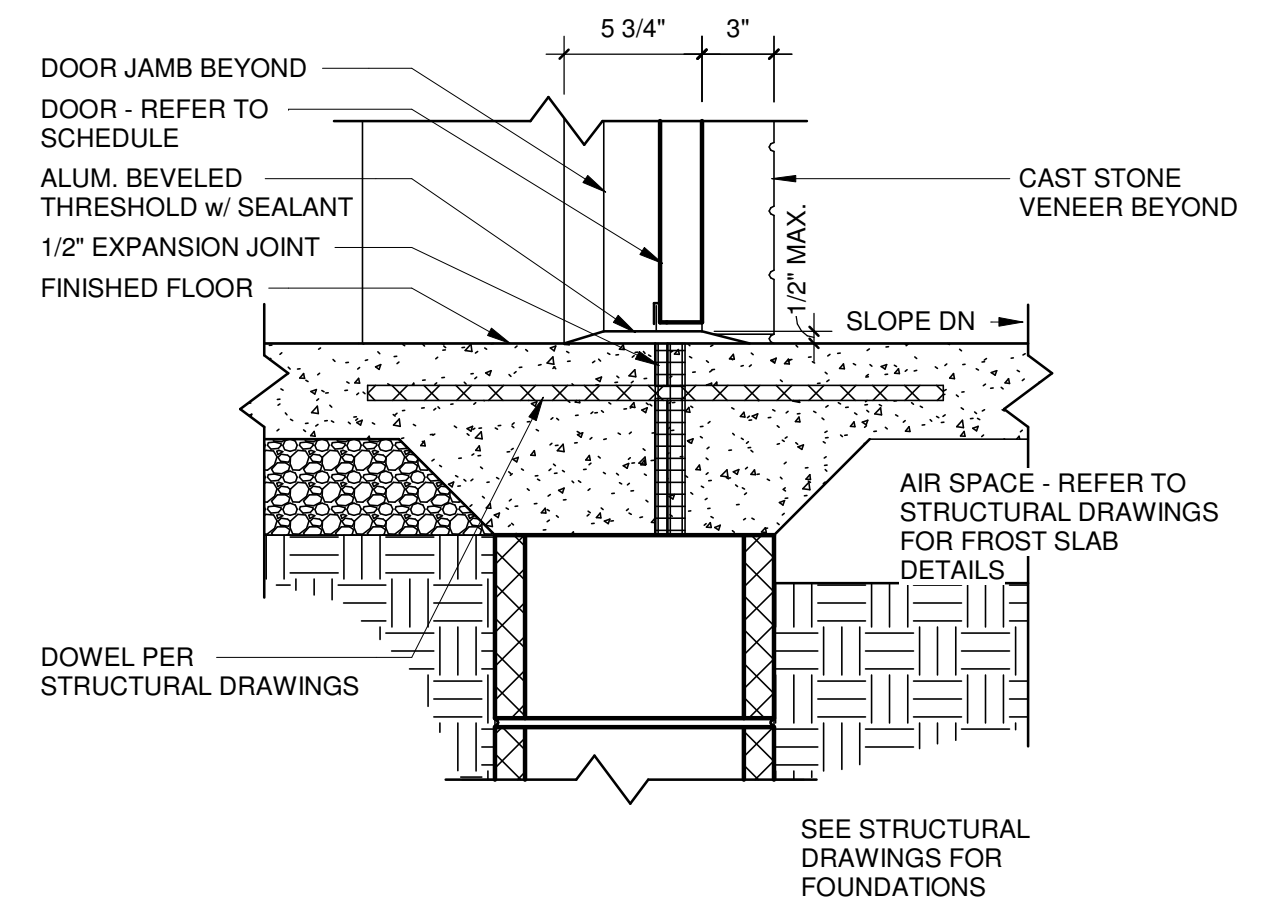
5 TOP OF INT. WALL (TYP.)
SCALE: 1 1/2" = 1'-0"



2 HM DOOR HEAD
SCALE: 1 1/2" = 1'-0"



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



1 HM DOOR SILL
SCALE: 1 1/2" = 1'-0"

BUNCOMBE COUNTY SPORTS PARK RESTROOM BUILDING

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58 APAC DRIVE, ASHEVILLE, NC

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MICHAEL G. DOMOKUR
REGISTERED ARCHITECT
10943
NORTH CAROLINA
RALEIGH, NC

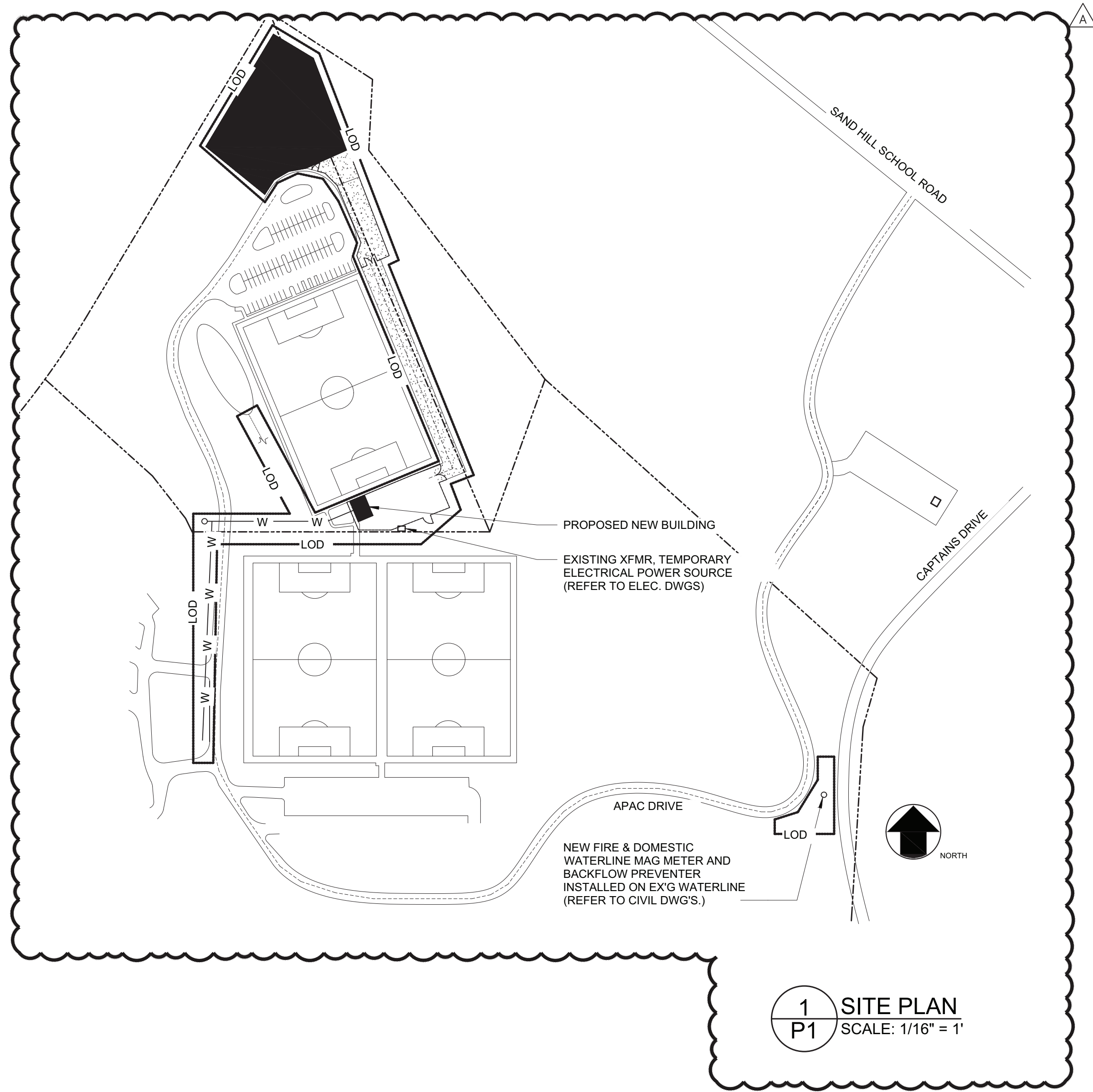
Issue	Date	Description
1	11/17/2023	ISSUED FOR BID AND PERMIT
2	12/07/2023	CORRECTION LETTER 1
3	12/14/2023	ADDENDUM A

SCHEDULES AND DETAILS

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PLUMBING LEGEND

Cold Water Piping Below Grade	
Cold Water (CW)	
Sanitary Waste Piping	
Vent Piping	
Vent Thru Roof (VTR)	
Floor Cleanout (FCO)	
Grade Cleanout (GCO)	
Pipe Drop	
Water Service Riser	
Ball Valve	
Water Hammer Arrestor (WHA)	
Hose Bibb (HB)	
Wall Hydrant (WH)	

PLUMBING EQUIPMENT SCHEDULE

TAG	EQUIPMENT
FCO	Floor cleanout: Zurn model ZN-1400 or equal. Dura-coated cast iron, polished nickel bronze top, bronze plug.
GCO	Ground cleanout: Zurn Z-1440-BP or equal. Dura-coated cast iron body with bronze plug. Set in 12"x12"x4" concrete pad flush with grade. See detail.
HB	Hose bibb: Woodford model 24 or equal. Lockable, anti-siphon, metal wheel handle, chrome finish. Provide key.
PRV	Pressure Reducing Valve: Watts Model LF25AUB-Z3 or equal. Lead free, copper silicon alloy body, replaceable polymer seat (1/2"-1"), replaceable stainless steel seat (1/2" - 2"), stainless steel strainer, reinforced EPDM with PTFE wetted surface diaphragm and EPDM valve disc. (1/2"-10gpm) (3/4"-14gpm) (1"-20gpm) (1 1/2"-25gpm) (2"-45gpm) (flows are at 15psi drop)
WHA	Water Hammer Arrestor: J.R. Smith Hydrotrol 5000 Series or equal. All stainless steel construction shock absorbers shall be installed at all solenoid, remote operated or quick closing valves and at each plumbing fixture or battery of plumbing fixtures. Install on both hot and cold water branch lines in an upright position as close as possible to the valve or valves being served. Size per manufacturer's recommendations and PDI.
WH	Non freeze wall Hydrant: Woodford model B-65 or equal. Automatic draining, anti-siphon vacuum breaker, chrome finished. Provide with extra key for every 5 wall hydrants.

PLUMBING FIXTURE SCHEDULE

TAG	Fixture	Fixture manufacturer (or equal)	Fixture model #	Trim manufacturer (or equal)	Trim model #	Sanitary	Vent	Cold water	Hot water	Remarks
P1	Wall mounted water closet. Sensor flush valve. HC accessible.	Kohler	Kingston Ultra K-84325-0	Zurn	ZEMS600AV-IS	3"	2"	1"	-	White vitreous china siphon jet assembly. White open front seat with check hinges and elongated bowl. ADA compliant, hardwired, sensor activated, metering flush valve. Provide chair carrier with floor mount. Confirm carrier dimensions are acceptable before ordering or beginning work. Install per ADA. Provide Zurn Z1202-H4 carrier and 12" all-thread bolts.
P2	Wall mounted water closet. Sensor flush valve.	Kohler	Kingston Ultra K-84325-0	Zurn	ZEMS600AV-IS	3"	2"	1"	-	White vitreous china siphon jet assembly. White open front seat with check hinges and elongated bowl. Hardwired, sensor activated, flushometer. Provide chair carrier with floor mount. Confirm carrier dimensions are acceptable before ordering or beginning work. Provide Zurn Z1202-H4 carrier and 12" all-thread bolts.
P3	Urinal. Wall hung sensor flush valve. HC accessible.	Kohler	Bardon K-4991-ET	Zurn	ZEMS600AV-IS	2"	2"	3/4"	-	White vitreous china, wall-mounted, washout assembly with flushing rim and extended sides. ADA compliant, hardwired, sensor activated, chrom plated flushometer. Install per ADA. Provide Zurn Z1222 carrier and 12" all-thread bolts.
P4	Lavatory. Wall mounted. HC accessible.	Kohler	Hudson K-2867-0	Zurn	Z6913-XL	1-1/2"	1-1/2"	1/2"	-	White, wall-mounted, white vitreous china, concealed arm carrier, 4" faucet centers. ADA compliant, chrome plated brass faucet with 0.5 gpm aerator, battery powered sensor. Provide hardwired power converter (-HW6). Provide white lav-guard trap & supply cover. Install per ADA. Provide Zurn Z-1231 carrier.
P5	Vandal resistant, bi-level Electric water cooler with bottle filler. HC accessible.	Elkay	LVRCTL8WSK	-	-	1-1/2"	1-1/2"	1/2"	-	Vandal resistant, frost resistant wall mount bi-level ADA cooler with bottle filler, electronic bottle filler sensor with mechanical front and side Flexi-guard safety bubbler push button, 8 gph, non-filtered. Install per ADA requirements. 98324C - Accessory - Cane Apron for EMABF
P6	Mop sink, terrazo, 24" x 24" x 12"	Fiat	TSB100	Fiat	830AA	3"	2"	1/2"	-	Chrome plated faucet with vacuum breaker, wall brace, pail hook. Provide SS splash panels, mop hanger, hose and hose bracket.

PLUMBING SPECIFICATIONS

- Shop Drawings:** Provide product data for all equipment and materials. Include pertinent dimensions, materials of construction, performance characteristics, weights and factory and field wiring diagrams.
- Operation and Maintenance Manuals:** Provide 3 bound O&M Manuals at the completion of the project. Include approved shop drawings and manufacturer's maintenance manuals.
- Record Drawings:** Contractor shall maintain a set of drawings on the job site to record all differences between the project documents and "As-Built". Contractor shall provide a set of "As-Built" drawings to the Owner at the completion of the project.
- Warranty:** Contractor shall warranty the installation against defects for a period of one year from the date of Owner acceptance. Any defective materials or workmanship shall be replaced at no cost to the Owner.
- Permits and Fees:** Contractor shall obtain and pay for all permits, fees and inspections required under his portion of the work.
- Electrical Coordination:** The plumbing contractor shall be responsible for providing disconnect switches for plumbing equipment not provided with factory mounted disconnect switches and the wiring from plumbing equipment to the disconnect switch. All wiring and devices shall be in accordance with the NEC and electrical specifications. The electrical contractor shall be responsible for wiring and all devices upstream of disconnect device.
- General Duty Valves:** Valve pressure and temperature ratings shall be not less than indicated and as required for system pressures and temperatures. Valve shall be the same as upstream piping unless otherwise indicated. Valves in insulated piping shall have 2-inch stem extensions on gate valves with rising stem. Ball valves shall be provided with extended operating handle of non-thermal-conductive material, and protective sleeve that allows operation of valve without breaking the vapor seal or disturbing insulation. Brass or bronze ball valves shall be two-piece, full-port, brass trim, MSS SP-110, 150 psig SWP, 600 psig CWP, two piece body, forged brass, threaded or solder ends, PTFE or PTE seats, and chrome plated ball. Bronze gate valves shall be Class 125, MSS SP-80, Type 1, non-rising stem or Type 2, rising stem, with a 200psig CWP, ASTM B 62 bronze body with integral seat, solid wedge bronze disc, asbestos free packing and threaded or solder joint ends. Bronze globe valves shall be Class 125, MSS SP-80, Type 1 with a 200psig CWP, ASTM B 62 bronze body with integral seat, asbestos free packing and threaded solder joint ends.
- Piping Insulation:** Flexible elastomeric insulation shall be closed-cell, sponge- or expanded-rubber materials complying with ASTM C 534, Type 1 for tubular materials. Mineral-fiber, preformed pipe insulation shall be Type I, 850 Deg F, mineral or glass fibers bonded with a thermosetting resin, complying with ASTM C 547, Type I, Grade A, with factory-applied ASJ or with factory-applied ASJ-SS. Install insulation continuously through non-fire rated walls and partitions. Install insulation continuously through penetrations of fire-rated walls and partitions and seal in accordance with a UL approved through penetration firestop system. Domestic cold, hot and recirculated hot water insulation shall be 1-inch thick. Insulate exposed piping including drain and water supplies under handicapped lavatories and sinks, to meet the requirements of ADA 4.19.4, ADAAG 606.5, ICC/ANSI A117.1 606.6, or GSA & DOD's ABA 606.5 requirement to "protect against contact - no sharp or abrasive surfaces"
- Pipe Hangers and Supports:** Carbon-steel pipe hangers and supports shall be MSS SP-58, Types 1 through 58, factory-fabricated components. Galvanized metallic coatings may be pregalvanized or hot dipped. Hanger rods shall be continuous-thread rod, nuts, and washer made of carbon steel. Copper pipe hangers shall be MSS SP-58, Types 1 through 58, copper-coated-steel, factory-fabricated components. Hanger rods shall be continuous-thread rod, nuts, and washer made of carbon steel. Trapeze pipe hangers shall be MSS SP-69, Type 59, shop- or field-fabricated pipe-support assembly made from structural carbon-steel shapes with MSS SP-58 carbon-steel hanger rods, nuts, saddles, and U-bolts. Thermal-hanger shield inserts for shall be heavy duty with minimum 100psig compressive strength. For trapeze or clamped systems insert and shield shall cover entire circumference of pipe. For clevis or band hanger insert and shield shall cover lower 180 degrees of pipe. Pipe positioning systems shall be IAPMO PS 42, positioning system of metal brackets, clips, and straps for positioning piping in pipe spaces; for plumbing fixtures in commercial applications. Supports for piping installed above a roof shall be B-Line BD Series with 14 gauge galvanized channel and recycled rubber base.
- Domestic Water Piping (Metallic):** Hard copper tube shall be ASTM B 88, Type L water tube, drawn temper. Soft copper tube shall be ASTM B 88, Type K water tube, annealed temper. Fittings shall be cast-copper, solder-joint fittings, ASME B16.18, pressure fittings or wrought-copper, solder-joint fittings, ASME B16.22 pressure fittings. Bronze flanges shall be ASME B16.24, Class 150, with solder-joint ends. Copper unions shall be MSS SP-123 cast-copper-alloy, hexagonal-stock body with ball-and-socket, metal-to-metal seating surfaces and solder-joint or threaded ends. Above grade water piping shall be Type L hard copper. Below grade piping shall be Type K soft copper. Piping shall be tested for leaks in accordance with Chapter 312 of the 2018 NC Plumbing Code. Domestic water piping shall be sanitized in accordance with Chapter 610 of the 2018 NC Plumbing Code.
- Water Pressure Reducing Valves:** Water regulators shall meet the requirements of ASSE 1003 with a pressure rating of 150 psig an outlet pressure setting of 60 psig, bronze body and threaded end connections. Provide pressure gauge with gauge cock in valve discharge piping.
- Water-Hammer Arresters:** ASSE 1010 or PDI-WH 201, metal bellows type, sizes AA and A through F.
- Sanitary Waste and Vent Piping:** PVC pipe and fittings shall be solid-Wall PVC Pipe, ASTM D 2665. PVC socket fittings shall be ASTM D 2665, made to ASTM D 3311, drain, waste, and vent patterns and to fit Schedule 40 pipe. Waste and vent piping shall be pressure tested in accordance with the requirements of the 2018 NC Plumbing Code.
- Below Grade Sanitary Waste, Grease Waste, Storm and Vent Piping:** Hub and Spigot Cast Iron pipe and fittings shall be manufactured from gray cast iron and shall conform to ASTM A 74. All pipe and fittings shall be marked with the collective trademark of the Cast Iron Soil Pipe Institute © and listed by NSF® International. Pipe and fittings shall be service (SV) weight. Joints shall be made using a compression gasket manufactured from an elastomer meeting the requirements of ASTM C 564. All pipe and fittings to be produced by a single manufacturer and are to be installed in accordance with manufacturer's recommendations and applicable code requirements. Waste, storm and vent piping shall be pressure tested in accordance with the requirements of the 2018 NC Plumbing Code.
- Plumbing Fixtures:** See Plumbing Fixture Schedule.
- Installation:** Materials, fixtures, equipment, accessories and installation shall comply with the requirements of the 2018 NC Plumbing Code, 2018 NC Energy Code, applicable sections of the 2018 NC Building Code and local ordinances. Equipment and materials shall be installed in compliance with manufacturer's installation recommendations and acceptable industry standards. All pipe shall be substantially supported to prevent sags. Piping shall be run parallel to walls and structure unless indicated otherwise. All water piping and other piping subject to freezing shall be run within the thermal envelope of the building unless noted otherwise. Piping subject to freezing that is noted to be installed outside of the thermal envelope shall be heat traced with self limiting heat tape and insulated per the insulation specification. It is the responsibility of the contractor to field verify existing conditions and dimensions prior to beginning work.

12-14-2023

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 828-255-4327 Project: 22105

BUNCOMBE COUNTY SPORTS PARK
RESTROOM BUILDING

58 APAC DRIVE
ASHVILLE, NC

Prepared For
BUNCOMBE COUNTY

DOMOKUR ARCHITECTS

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p 330.666.7878

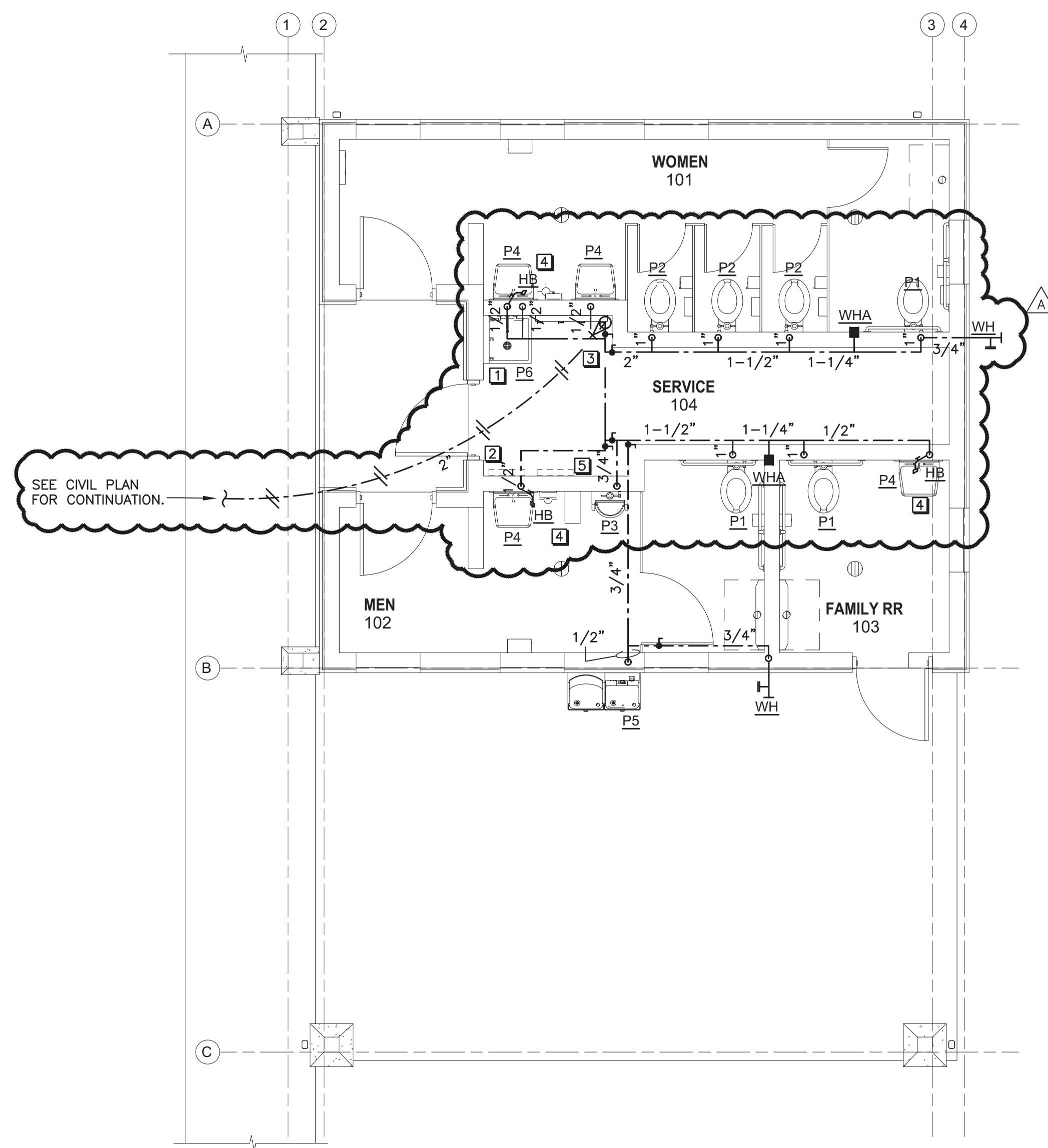
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Issue	Date	Description
1	11/17/2023	ISSUED FOR BID AND PERMIT
2	12/07/2023	CORRECTION LETTER 1
3	12/14/2023	ADDENDUM A

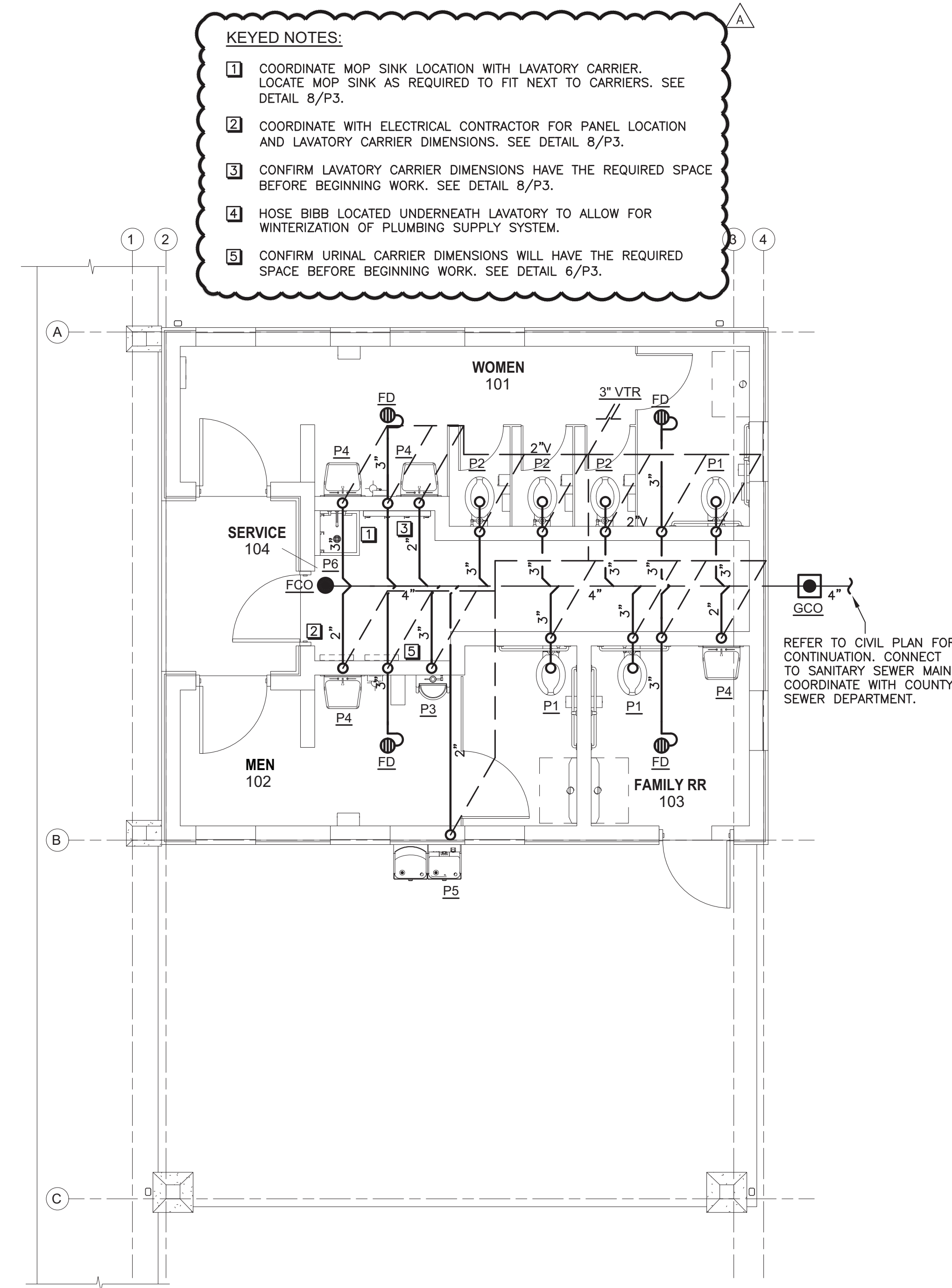
PLUMBING NOTES & SCHEDULES

Project No:
Project Manager:
Drawn By: TWA

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2
P2 PLUMBING SUPPLY PIPING PLAN
SCALE: 1/4" = 1'-0"



1
P2 PLUMBING SANITARY PIPING PLAN
SCALE: 1/4" = 1'-0"

KEYED NOTES:

- 1** COORDINATE MOP SINK LOCATION WITH LAVATORY CARRIER. LOCATE MOP SINK AS REQUIRED TO FIT NEXT TO CARRIERS. SEE DETAIL 8/P3.
- 2** COORDINATE WITH ELECTRICAL CONTRACTOR FOR PANEL LOCATION AND LAVATORY CARRIER DIMENSIONS. SEE DETAIL 8/P3.
- 3** CONFIRM LAVATORY CARRIER DIMENSIONS HAVE THE REQUIRED SPACE BEFORE BEGINNING WORK. SEE DETAIL 8/P3.
- 4** HOSE BIBB LOCATED UNDERNEATH LAVATORY TO ALLOW FOR WINTERIZATION OF PLUMBING SUPPLY SYSTEM.
- 5** CONFIRM URINAL CARRIER DIMENSIONS WILL HAVE THE REQUIRED SPACE BEFORE BEGINNING WORK. SEE DETAIL 6/P3.



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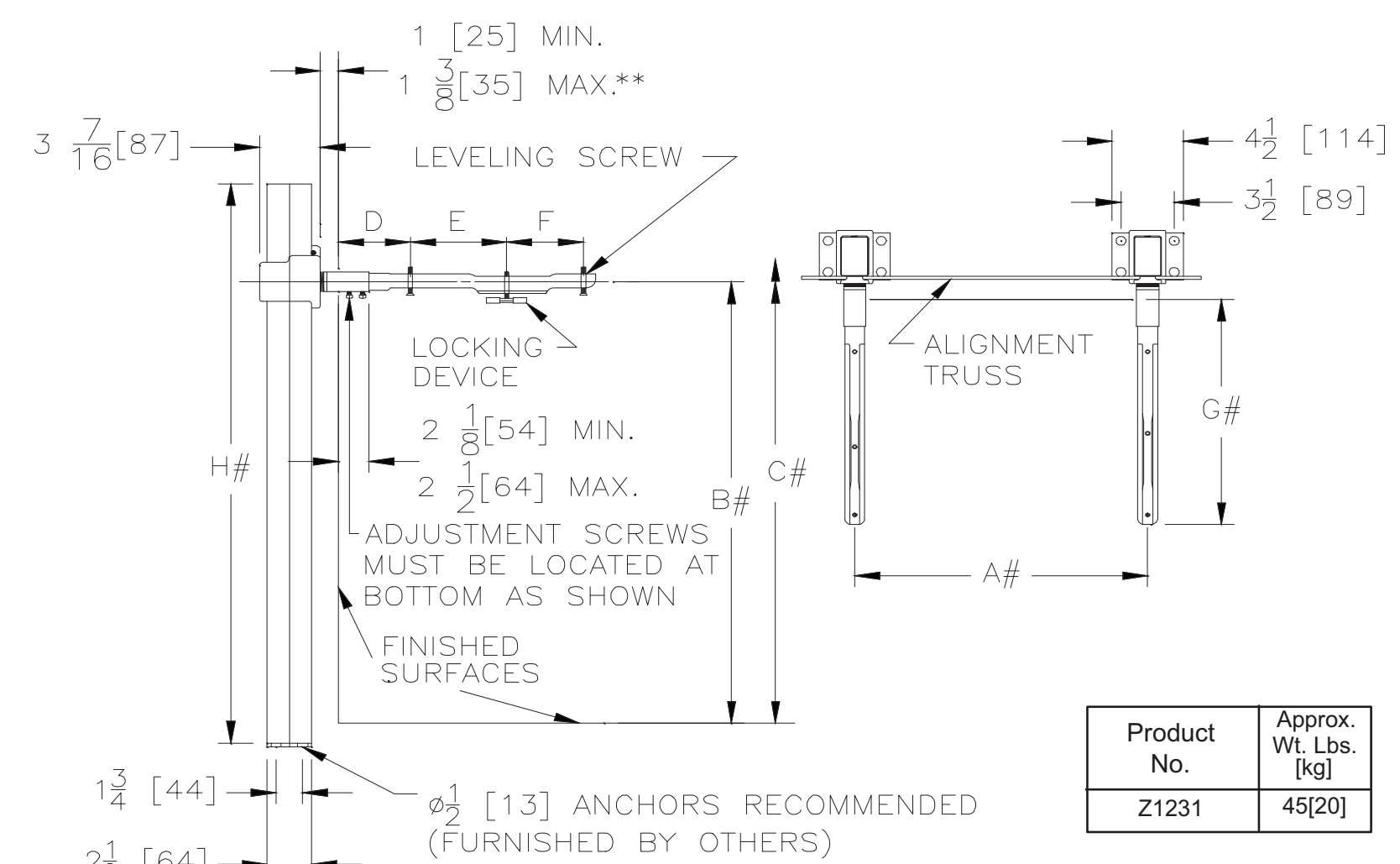
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PLUMBING PLAN

Project No:
Project Manager:
Drawn By: TWA

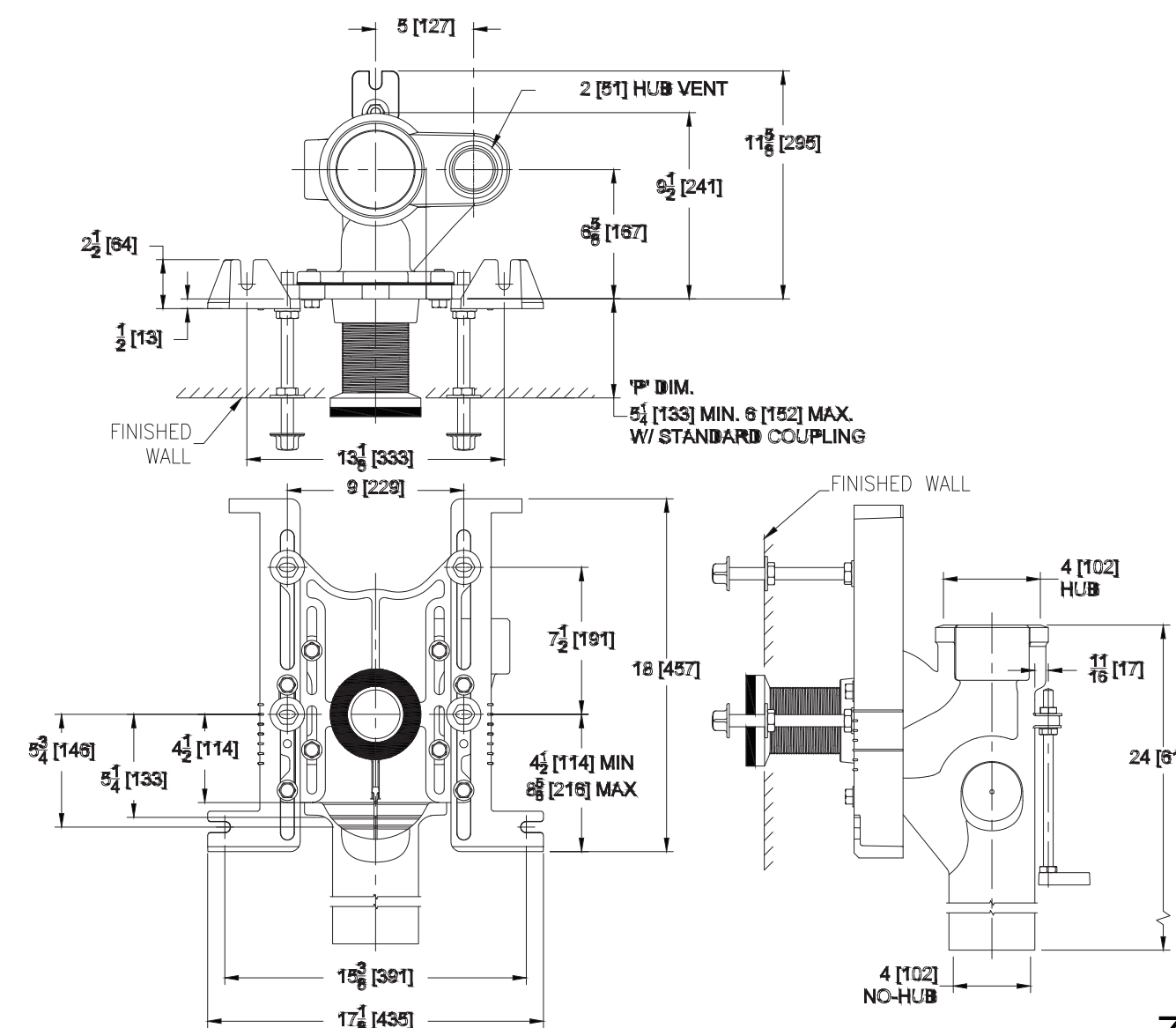
P2



Product No.	Approx. Wt. Lbs. [kg]
Z1231	45[20]

NOTES:
 # REFER TO ROUGH-IN GUIDE OF SPECIFIC FIXTURE FOR DIMENSION
 ** WITH STANDARD SLEEVE LENGTH OF 4 [102]

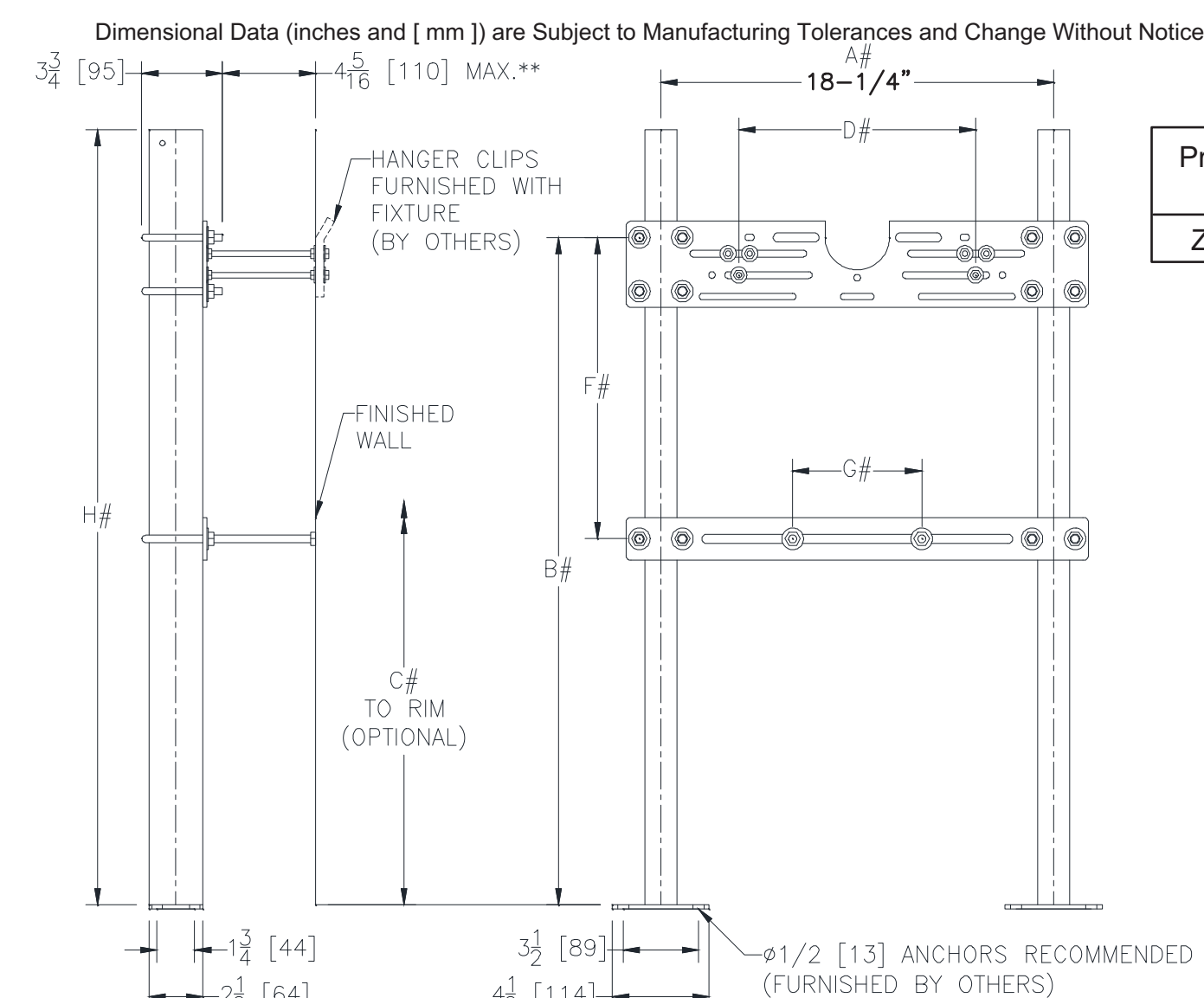
8 ZURN Z1231 LAV CARRIER DIMENSIONS
 P3 SCALE: NONE



Product Number	Approx. Wt. lbs [kg]
Z1202-H4	79 [36]

Note:
 1. Z coupling, Min. 'P' Dim. Obtainable=2 [51] EZ-Set™ Coupling, Min. 'P' Dim. Obtainable=4-1/4 [108] or 2-1/16 [52] for 12 [305] NPT
 2. Feet bolted to floor using min. 1/2 [13] dia. anchors.
 3. Rear anchor foot required for secure installation.
 4. 2 [51] Hub & Spigot vent connection regularly furnished on right hand side. Left hand available when specified (Suffix -VL)
 5. Auxiliary inlet available right (-JR) or left (-JL) or both sides (-JJ) when specified.

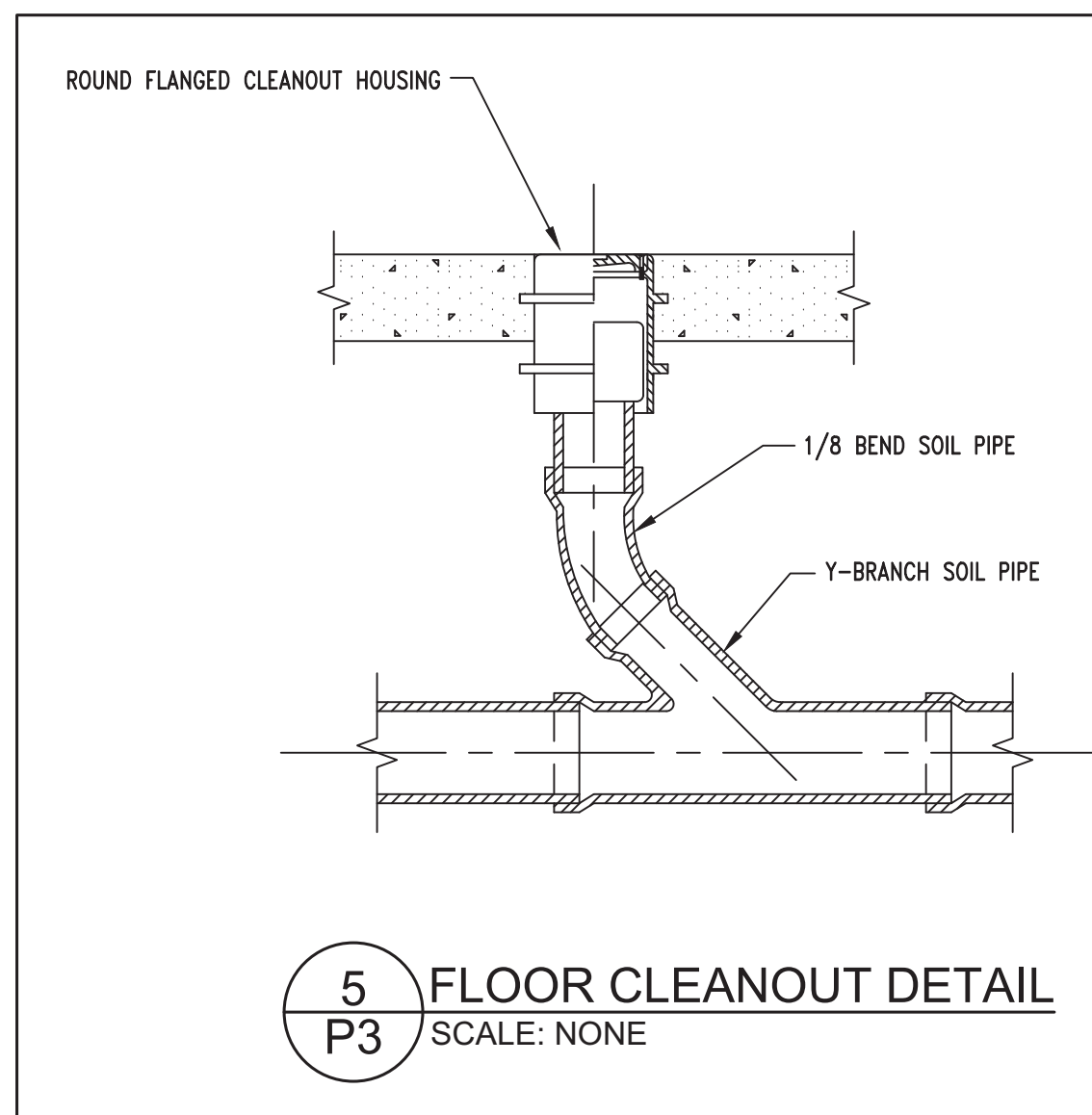
7 ZURN Z1202-H4 CHAIR CARRIER DIMENSIONS
 P3 SCALE: NONE



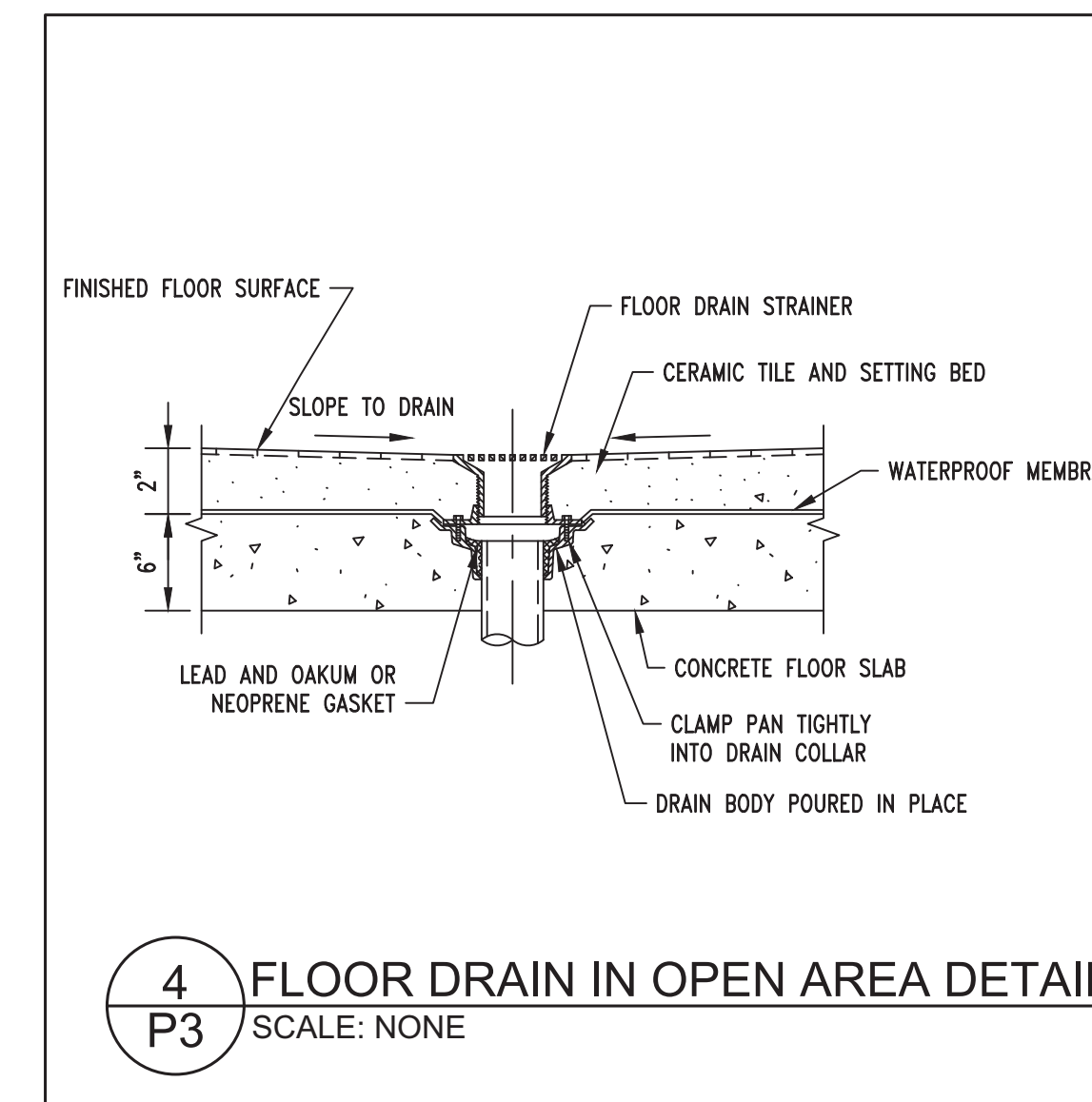
Product No.	Approx. Wt. Lbs. [kg]
Z1222	30[14]

**WITH STANDARD STUD LENGTH OF 6 [152]
 # REFER TO ROUGH-IN GUIDE OF SPECIFIC FIXTURE FOR DIMENSION

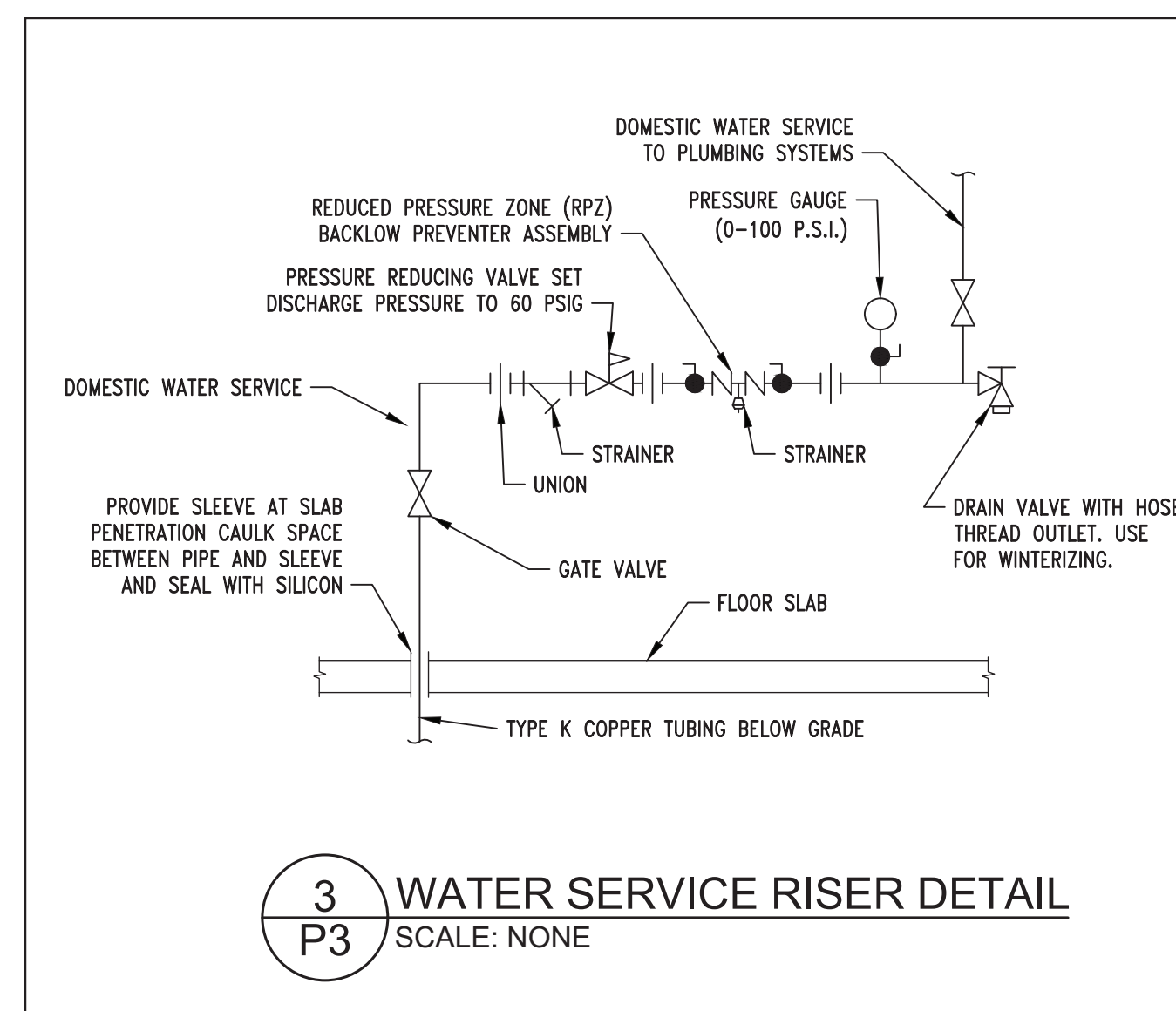
6 ZURN Z1222 URINAL CARRIER DIMENSIONS
 P3 SCALE: NONE



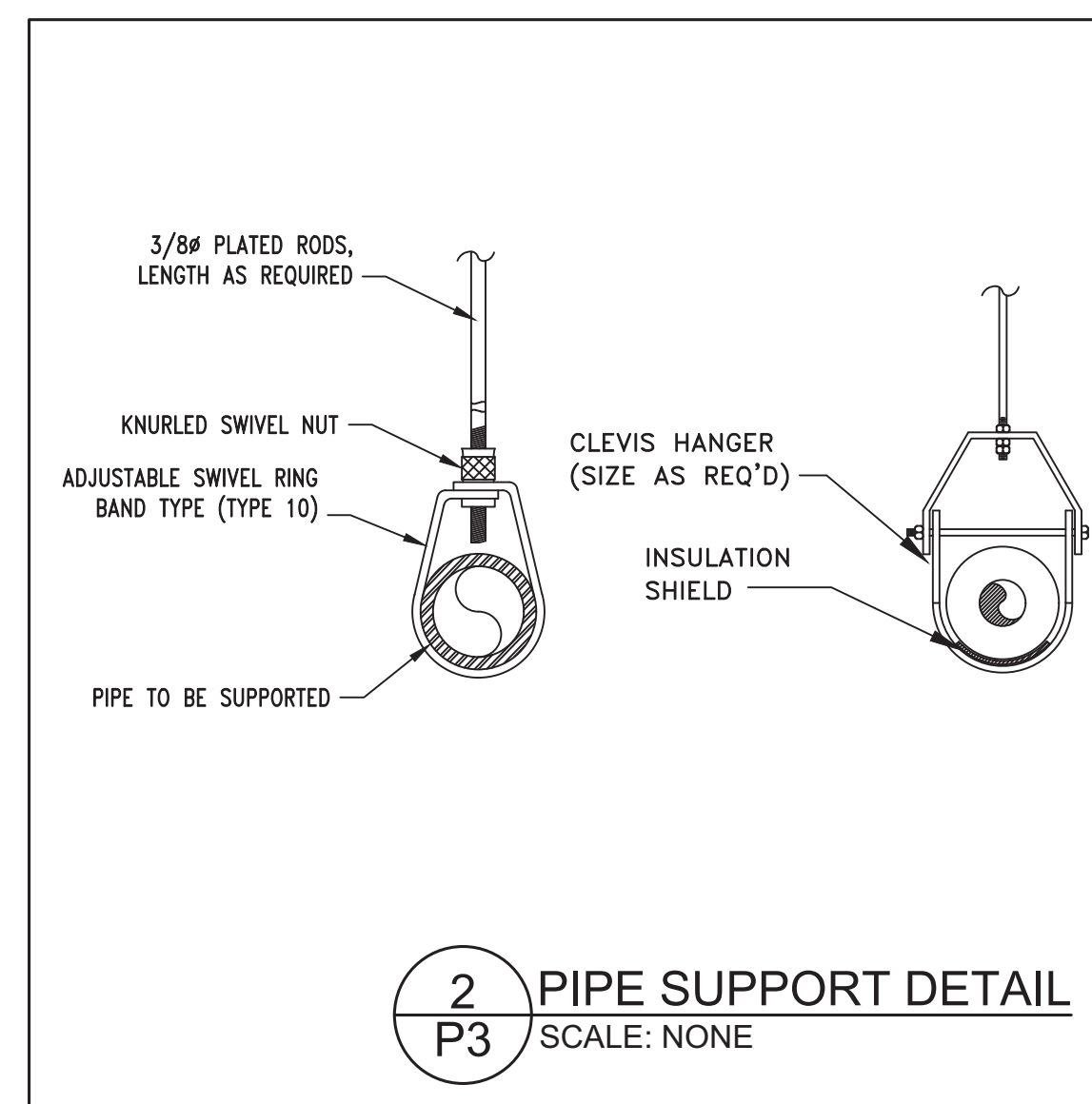
5 FLOOR CLEANOUT DETAIL
 P3 SCALE: NONE



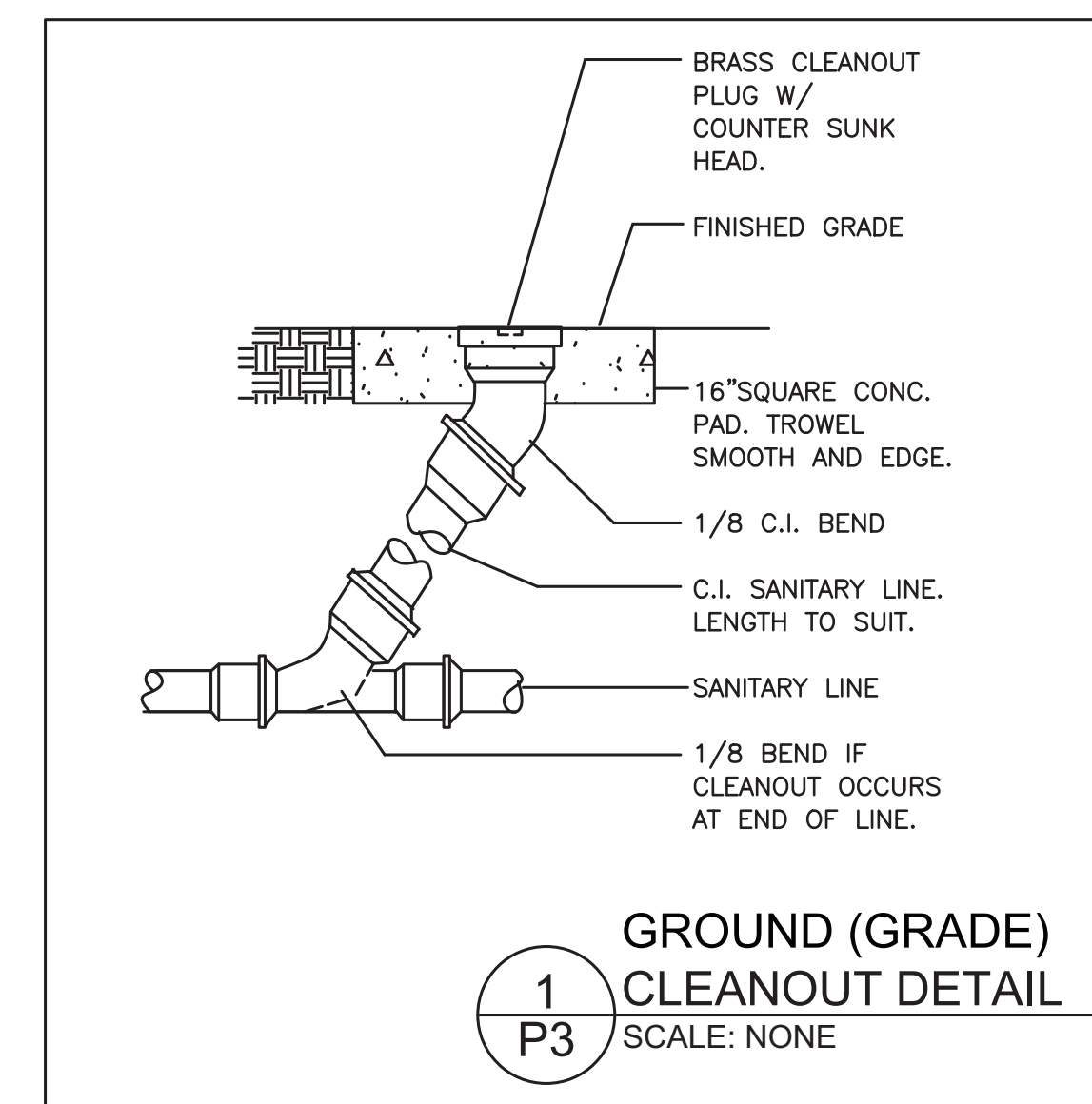
4 FLOOR DRAIN IN OPEN AREA DETAIL
 P3 SCALE: NONE



3 WATER SERVICE RISER DETAIL
 P3 SCALE: NONE



2 PIPE SUPPORT DETAIL
 P3 SCALE: NONE



1 GROUND (GRADE) CLEANOUT DETAIL
 P3 SCALE: NONE



12-14-2023

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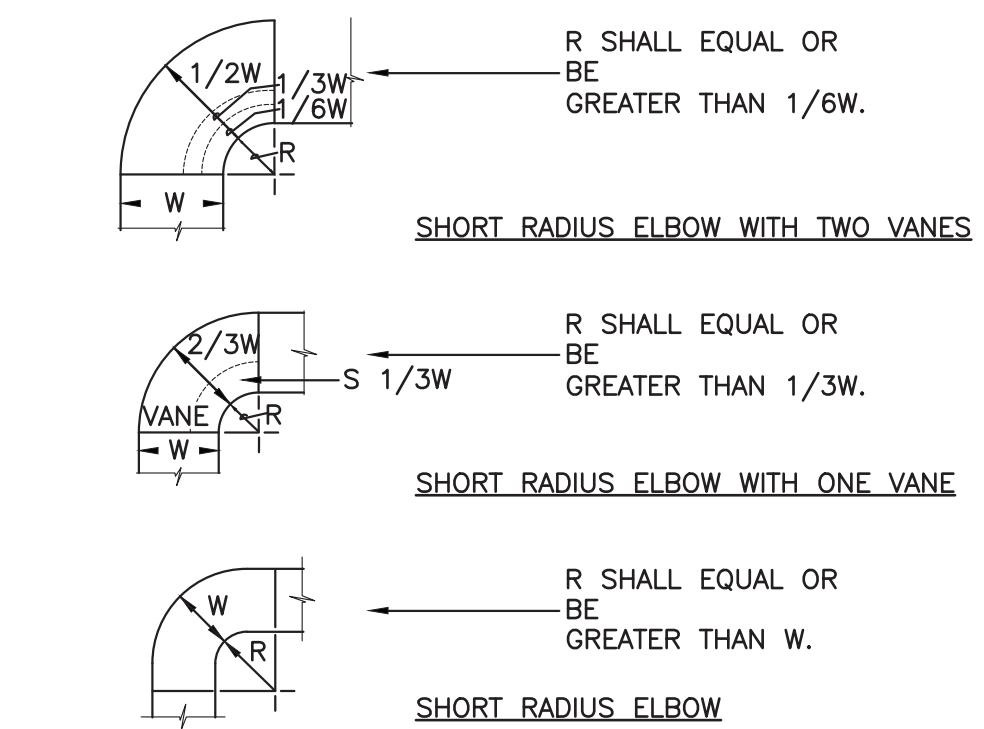
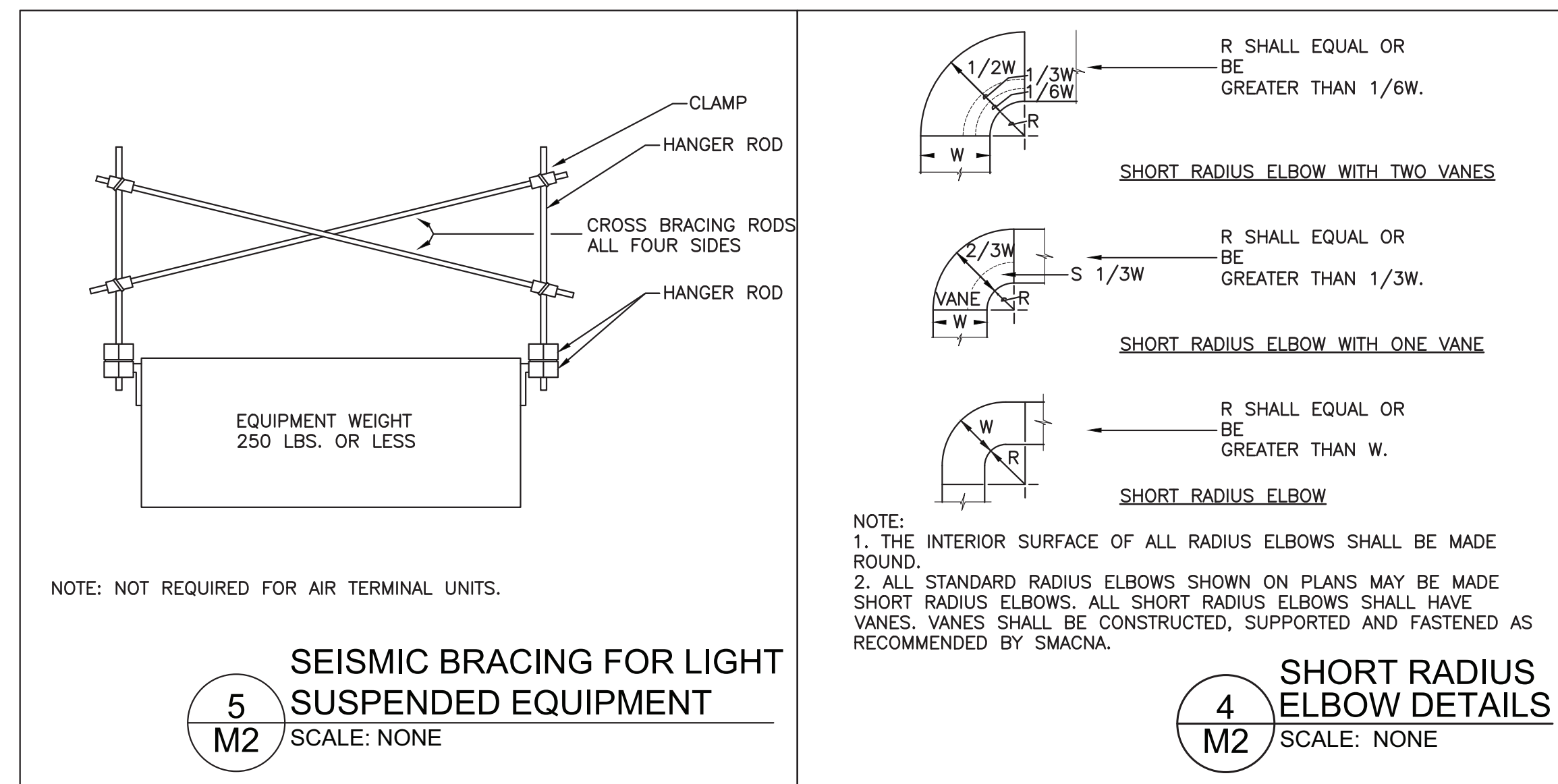
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3	12/14/2023	ADDENDUM A

PLUMBING DETAILS

Project No:
 Project Manager:
 Drawn By: TWA

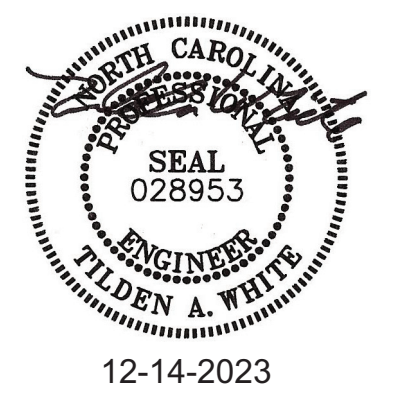
P3

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NOTE:
1. THE INTERIOR SURFACE OF ALL RADIUS ELBOWS SHALL BE MADE ROUND.
2. ALL STANDARD RADIUS ELBOWS SHOWN ON PLANS MAY BE MADE SHORT RADIUS ELBOWS. ALL SHORT RADIUS ELBOWS SHALL HAVE VANES. VANES SHALL BE CONSTRUCTED, SUPPORTED AND FASTENED AS RECOMMENDED BY SMACNA.

- KEYED NOTES:**
- COORDINATE CEILING HEATER LOCATION WITH LIGHTING AND STRUCTURAL PLANS.
 - COORDINATE EF-1, DUCTWORK AND GRILLE LOCATIONS WITH STRUCTURAL AND LIGHTING PLANS.
 - COORDINATE WALL HEATER LOCATION WITH CHAIR CARRIER DIMENSIONS AND WITH PLUMBING CONTRACTOR. PROVIDE SURFACE MOUNTING KIT AS REQUIRED. SEE DETAIL 7/P3.
 - EXHAUST FAN PROGRAMMABLE CONTROL WITH 2 SPEED TIMER.



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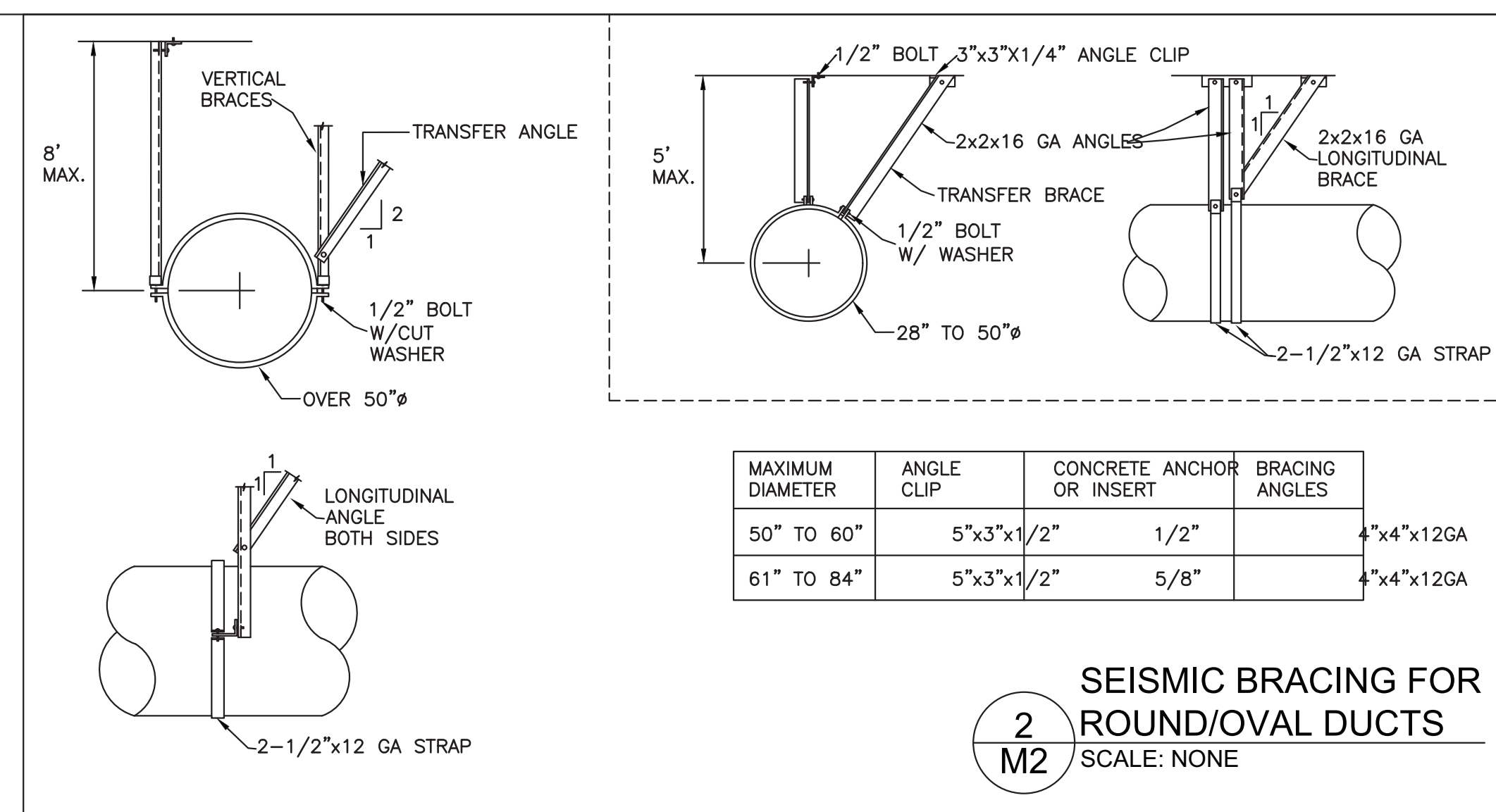
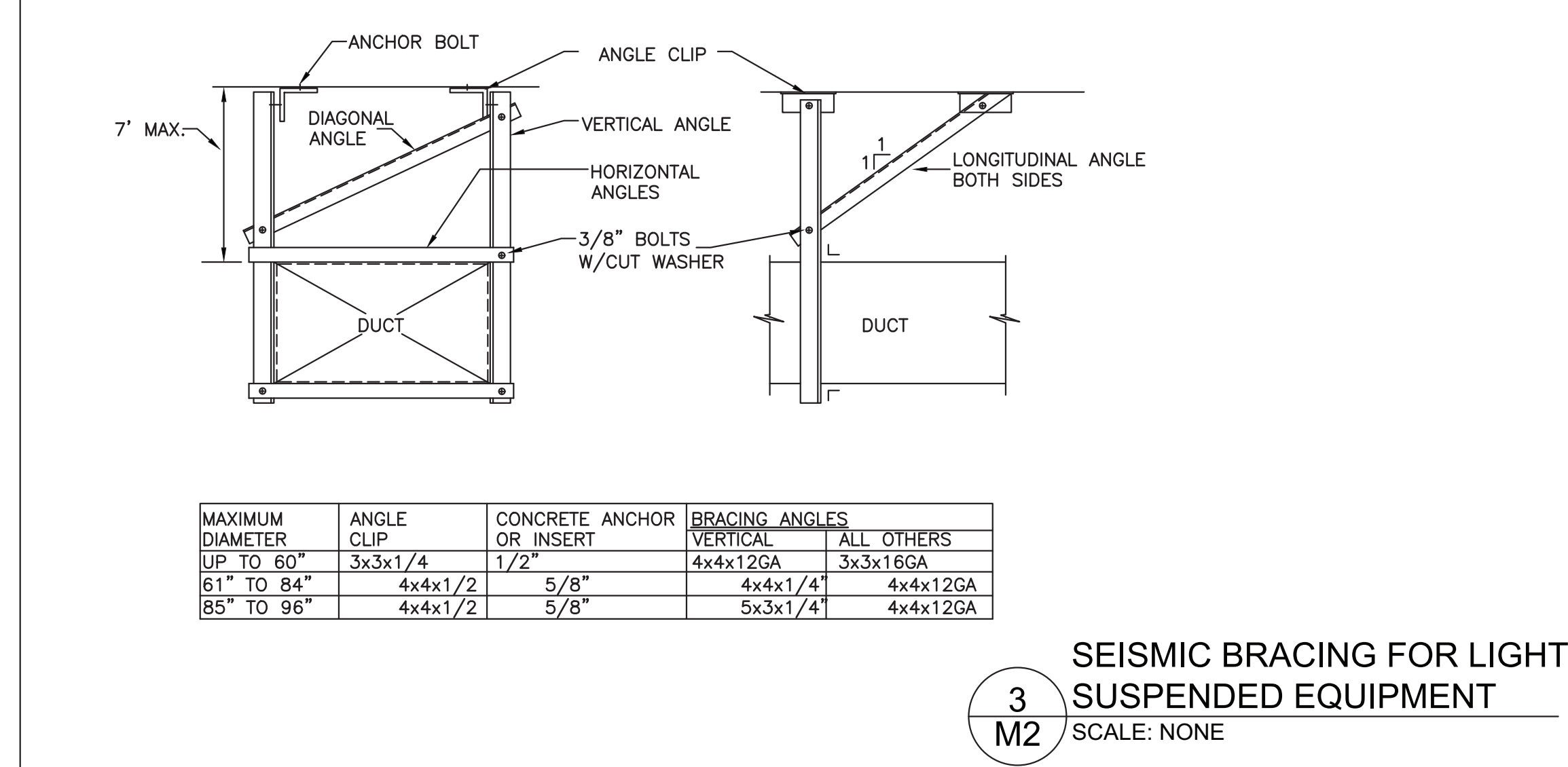
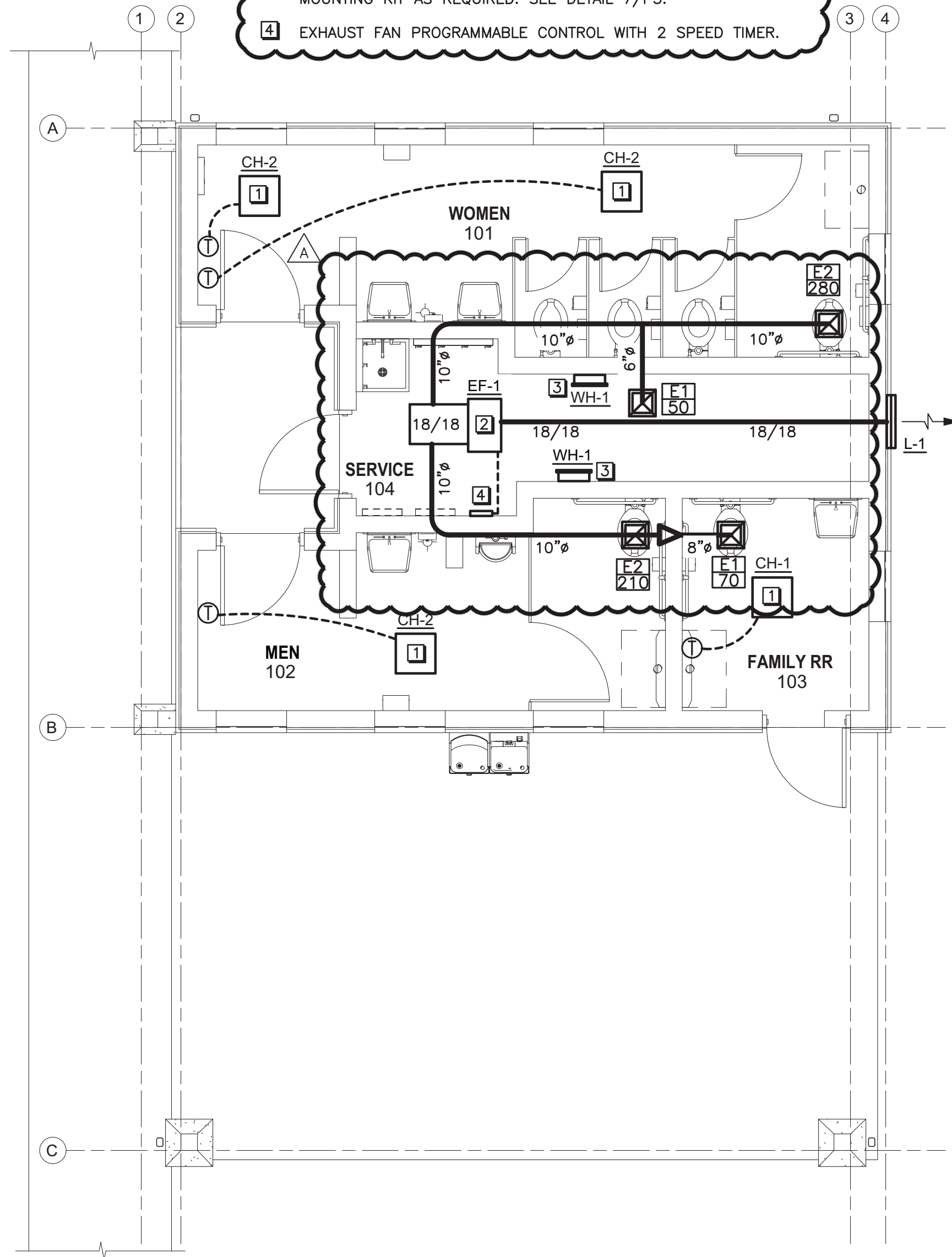
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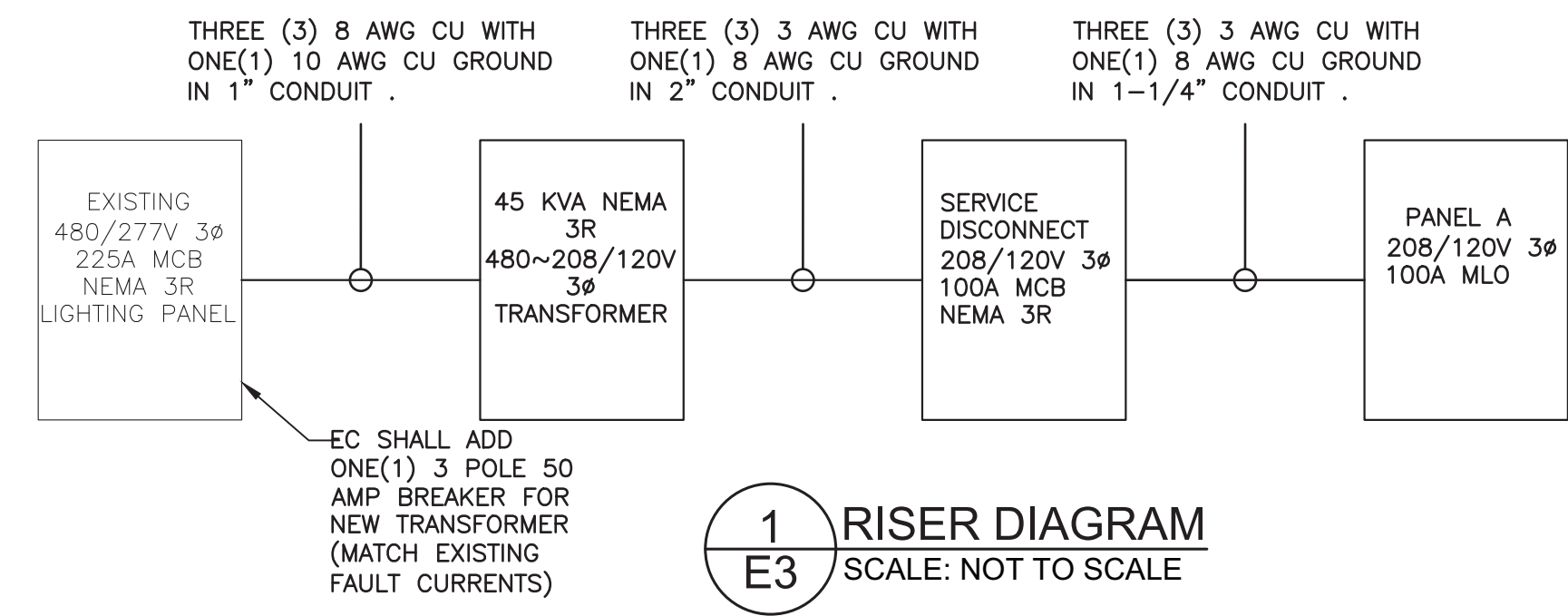
MECHANICAL PLAN

Project No:
Project Manager:
Drawn By: TWA

M2



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LOCATION: SERVICE BAYS
MANUFACT.: SQ-D
MODEL: NQOD
MOUNTING: SURFACE

PANEL: **A**
FED FROM: MDP

FULLY RATED 37,000 AIC

CONN	VA	#	LOAD	Ph	N	G	C	BKR	A	B	C	BKR	Ph	N	G	C	LOAD	#	CONN	VA
220	1		LIGHTS & EF1	12	12	12	1/2	20				20	12	12	12	1/2	EF1	2	500	
1800	3		HAND DRYER	12	12	12	1/2	20				20	12	12	12	1/2	EWC	4	1200	
1800	5		HAND DRYER	12	12	12	1/2	20				20	12	12	12	1/2	REC	6	360	
1800	7		HAND DRYER	12	12	12	1/2	20				20	-	-	-	-	SPARE	8	0	
1800	9		CH1	12	-	12	1/2	20				20	12	12	12	1/2	REC	10	720	
1500	11		-	12	-	-	-	2P				20	12	12	12	1/2	REC	12	720	
1500	13		CH3	12	12	12	1/2	20				30	10	-	10	3/4	CH2	14	2000	
1500	15		WH1	12	12	12	1/2	20				2P	10	-	-	-	-	16	2000	
180	17		REC/COMM PNL	12	12	12	1/2	20				30	10	-	10	3/4	CH2	18	2000	
1500	19		WH1	12	12	12	1/2	20				2P	10	-	-	-	-	20	2000	
0	21											30	10	-	10	3/4	CH2	22	2000	
0	23											2P	10	-	-	-	-	24	2000	
0	25																	26	0	
0	27																	28	0	
0	29																	30	0	
0	31																	32	0	
0	33																	34	0	
0	35																	36	0	
0	37																	38	0	
0	39																	40	0	
0	41																	42	0	

42 SUBTOTAL AMPS Ph A
43 SUBTOTAL AMPS Ph B
29 SUBTOTAL AMPS Ph C

MAIN BREAKER: 200 AMPS
MAIN LUGS: 200 AMPS (MIN)
BUS AMPACITY: 200 AMPS (MIN)

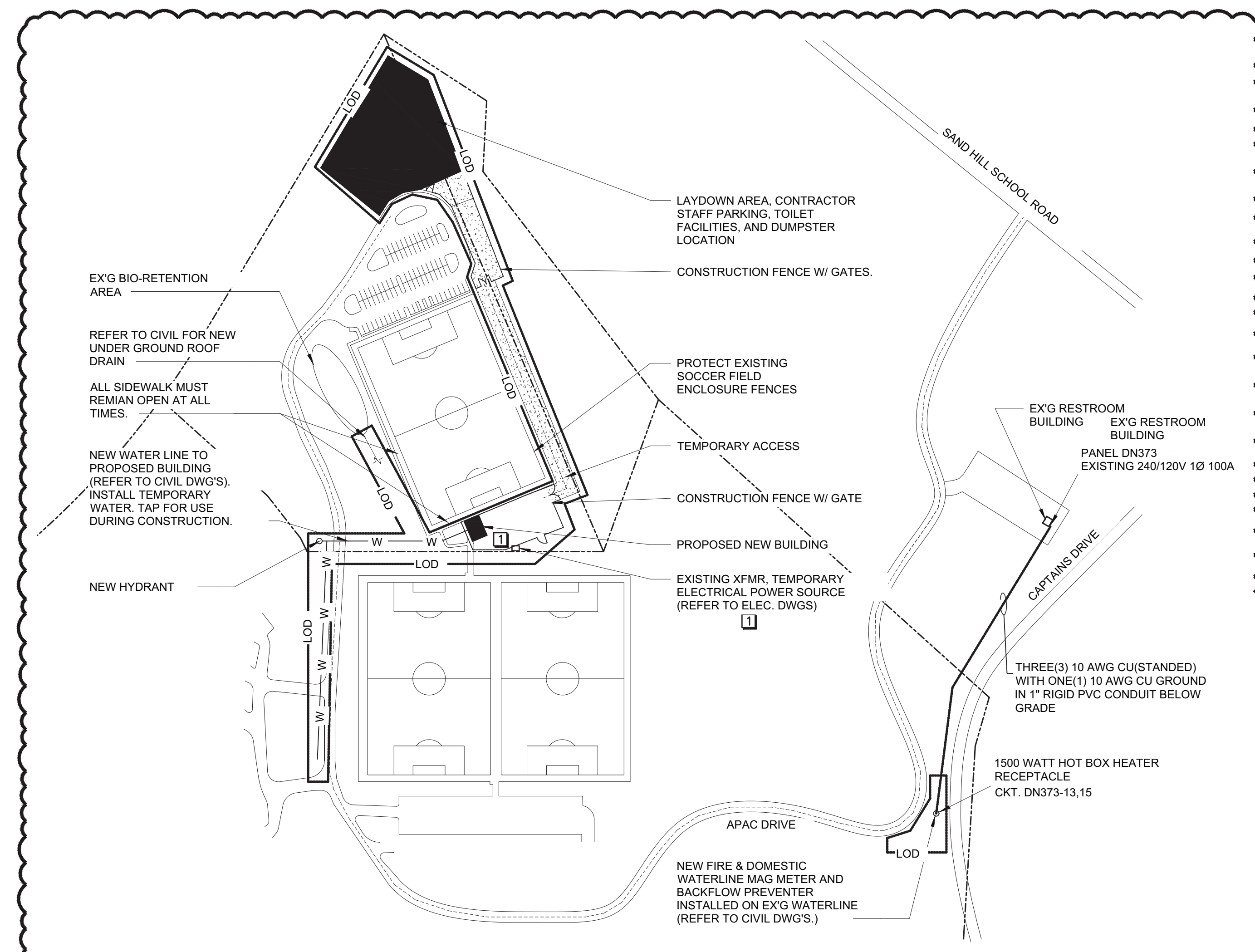
SUBTOTAL AMPS Ph A 38
SUBTOTAL AMPS Ph B 49
SUBTOTAL AMPS Ph C 42

LOAD	CONNECTED	DF	DEMAND
LIGHTING	150	125	188
A/C	0	100	0
HEATING	25200	100	25200
NON-VENT MOTORS	0	100	0
VENTILATION	570	100	570
KITCHEN	0	100	0
RECEPTACLES	3180	100	3180
MISCELLANEOUS	0	100	0
FUTURE	0	100	0
TOTAL	29100	81	29138

(VA) (AMPS)

VA ph A 9520
VA ph B 11020
VA ph C 8560
TOTAL 29.1 kVA

NOTES:
1. PANEL SHALL BE PROVIDED WITH A FULL NEUTRAL.
2. PANEL BUSSING MATERIAL SHALL BE CU.
3. PROVIDE A FULLY RATED COPPER GROUND BUS.
4. "BKR" INDICATES HACR TYPE CIRCUIT BREAKER.
5. ALL BRANCH CIRCUITS SHALL BE FED W/ COPPER CONDUCTORS.
6. "BKR" INDICATES AFCI TYPE CIRCUIT BREAKER.



2 UTILITY TRANSFORMER LOCATION AND HOT BOX WIRING DETAIL
E3 SCALE: NOT TO SCALE

LOCATION: EXISTING RR BUILDING
MANUFACT.: EXISTING SQUARE D
MODEL: EXISTING
MOUNTING: WALL/SURFACE

PANEL: **DN373**
FED FROM: UTILITY

FULLY RATED EXISTING

CONN	VA	#	LOAD	Ph	N	G	C	BKR	A	B	BKR	Ph	N	G	C	LOAD	#	CONN	VA
250	1		EX-LIGHTS	-	-	-	-	20			20	-	-	-	-	EX=REC	2	360	
1500	3		EX-HEATER	-	-	-	-	20			20	-	-	-	-	EX-HAND DRYER	4	1800	
1500	5		EX-HEATER	-	-	-	-	20			20	-	-	-	-	EX=HEATER	6	1500	
1800	7		EX-HAND DRYER	-	-	-	-	20			40	-	-	-	-	EX-EV CHARGER	8	3600	
180	9		EX-REC	-	-	-	-	20			2P	-	-	-	-	-	10	3600	
750	11		HOT BOX HEATER	12	-	12	1/2	15				-	-	-	-	SPACE	12	0	
750	13		-	12	-	-	-	2P				-	-	-	-	SPACE	14	0	
0	15		SPACE	-	-	-	-	20				-	-	-	-	SPACE	16	0	
0	17		SPACE	-	-	-	-	20				-	-	-	-	SPACE	18	0	
0	19		SPACE	-	-	-	-	20				-	-	-	-	SPACE	20	0	

22 SUBTOTAL AMPS Ph A
34 SUBTOTAL AMPS Ph B

MAIN BREAKER: 100 AMPS
MAIN LUGS: 100 AMPS (MIN)
BUS AMPACITY: 100 AMPS (MIN)

SUBTOTAL AMPS Ph A 62
SUBTOTAL AMPS Ph B 62

LOAD	CONNECTED	DF	DEMAND
LIGHTING	250	125	313
A/C	0	100	0
HEATING	13600	100	13600
NON-VENT MOTORS	7200	100	7200
VENTILATION	0	100	0
KITCHEN	0	100	0
RECEPTACLES	540	100	540
MISCELLANEOUS	0	100	0
FUTURE	0	100	0
TOTAL	21590	90	21653

(VA) (AMPS)

VA ph A 10140
VA ph B 11450
TOTAL 21.6 kVA

NOTES:
1. PANEL SHALL BE PROVIDED WITH A FULL NEUTRAL.
2. PANEL BUSSING MATERIAL SHALL BE CU.
3. PROVIDE A FULLY RATED GROUND BUS.
4. "BKR" INDICATES HACR RATED CIRCUIT BREAKER.
5. "BKR" INDICATES AFCI TYPE CIRCUIT BREAKER.
6. ALL BRANCH CIRCUIT CONDUCTORS SHALL BE CU.



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BUNCOMBE COUNTY SPORTS PARK RESTROOM BUILDING

58 APAC DRIVE ASHVILLE, NC

Prepared For
BUNCOMBE COUNTY

DOMOKUR ARCHITECTS

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Issue	Date	Description
1	11/17/2023	ISSUED FOR BID AND PERMIT
2	12/07/2023	CORRECTION LETTER 1
3	12/14/2023	ADDENDUM A

RISER DIAGRAM & PANEL SCHEDULES

Project No:
Project Manager:
Drawn By: TWA

E3