



ENGINEERING • LAND PLANNING • SURVEYING  
1260 Radford Street · Christiansburg, Virginia 24073  
540.381.6011 office · 540.381.2773 fax  
www.foresightdesignservices.com

## ADDENDUM NO. 04

---

<b>PROJECT:</b>	<b>Auburn Park Full Build-Out Montgomery County, VA Parks and Recreation</b>
<b>GNI Job No.:</b>	<b>2893.00</b>
<b>DATE:</b>	<b>Friday, March 15, 2024</b>

---

The following additions, deletions and/or modifications are to be incorporated into the Contract Documents and acknowledgement of receipt of this addendum shall be so noted on the Proposal Form submitted.

### **BID DOCUMENTS**

### **TECHNICAL SPECIFICATIONS**

### **DRAWINGS**

#### **A101 FLOOR PLAN – RESTROOM BUILDING**

**DELETE** GENERAL FINISH NOTE #11 which reads as follows: “EXTERIOR WOOD TRIM AND FASCIA SHALL BE ALUMINUM WRAPPED, DARK GREY.” as shown in attached revised Sheet A101 with revision date 3-14-24.

**ADD** new GENERAL FINISH NOTE #13 which reads as follows:  
“EXTERIOR WOOD TRIM, ALUMINUM WRAPPED TO BE DARK GREY.” as shown in attached revised Sheet A101 with revision date 3-14-24.

**REVISE** KEY NOTE #9 to read as follows:  
“ALUMINUM DOWNSPOUT” as shown in attached revised Sheet A101 with revision date 3-14-24.

**REVISE** KEY NOTE #10 to read as follows:  
“WATER FOUNTAIN W/ BOTTLE FILLER (OASIS PG8SBFSL MODEL OR APPROVED EQUAL)” as shown in attached revised Sheet A101 with revision date 3-14-24.

#### **A102 EXTERIOR ELEVATIONS – RESTROOM BUILDING**

**REVISE** Labels calling for “PVC FASCIA” on all elevation views on this sheet to read as follows:  
“MTL WRAPPED FASCIA” as shown in attached revised Sheet A102 with revision date 3-14-24.

#### **A103 BUILDING SECTIONS – RESTROOM BUILDING**

**ADD** label for “ATTIC ACCESS VIA CHASE, COORD W/ MECH” in chase area as shown in attached revised Sheet A103 with revision date 3-14-24.

**A104 WALL SECTIONS – RESTROOM BUILDING**

**REVISE** Labels calling for “1 x 8 PVC FASCIA” on all typical wall sections on this sheet to read as follows:

“1 x 8 WD FASCIA – METAL WRAPPED” as shown in attached revised Sheet A104 with revision date 3-14-24.

**REVISE** Labels calling for “PVC TRIM” on all typical wall sections on this sheet to read as follows:  
“1 X 4 MTL WRAPPED WD TRIM” as shown in attached revised Sheet A104 with revision date 3-14-24.

**A110 PLANS AND ELEVATIONS - PAVILION**

**REVISE** label for “CONC SLAB” in FLOOR PLAN detail to read as follows:  
“CONC SLAB (W/ TURN DOWN SLAB – TYP)”

**REVISE** labels for “CONC SLAB” in ELEVATIONS A and B to read as follows:  
“CONC SLAB (W/ TURN DOWN SLAB – TYP)”

**A120 FLOOR PLAN – RESTROOM / PAVILION BUILDING**

**ADD** label for “ATTIC ACCESS VIA CHASE, COORD W/ MECH” in chase area as shown in attached revised Sheet A120 with revision date 3-14-24.

**ADD** label for “TURN DOWN SLAB – TYP” to FLOOR PLAN – PAVILION / RESTROOM BUILDING as shown in attached revised Sheet A120 with revision date 3-14-24.

**DELETE** GENERAL FINISH NOTE #11 which reads as follows: “EXTERIOR WOOD TRIM AND FASCIA SHALL BE ALUMINUM WRAPPED, DARK GREY.” as shown in attached revised Sheet A120 with revision date 3-14-24.

**ADD** new GENERAL FINISH NOTE #13 which reads as follows:  
“EXTERIOR WOOD TRIM, ALUMINUM WRAPPED TO BE DARK GREY.” as shown in attached revised Sheet A120 with revision date 3-14-24.

**REVISE** Label calling for “PVC FASCIA” on WALL SECTION on this sheet to read as follows:  
“1 X 8 MTL WRAPPED FASCIA” as shown in attached revised Sheet A120 with revision date 3-14-24.

**REVISE** Label calling for “PVC TRIM” on WALL SECTION on this sheet to read as follows:  
“1 X 4 MTL WRAPPED FASCIA” as shown in attached revised Sheet A120 with revision date 3-14-24.

**REVISE** KEY NOTE #10 to read as follows:

“TRASH CAN – CONTRACTOR FURNISHED, CONTRACTOR INSTALLED (GLOBAL INDUSTRIAL OUTDOOR STEEL DIAMOND TRASH CAN WITH DOME LID, 36 GALLON, BLACK, OR APPROVED EQUAL)” as shown in attached revised Sheet A120 with revision date 3-14-24.

**REVISE** KEY NOTE #11 to read as follows:

“HAND DRYER (XLERATOR EXCEL DRYER EXL-BW-ECO OR APPROVED EQUAL)” as shown in attached revised Sheet A120 with revision date 3-14-24.

**REVISE** KEY NOTE #12 to read as follows:

“TANKLESS ELECTRIC WATER HEATER – SEE MEP DRAWINGS” as shown in attached revised Sheet A120 with revision date 3-14-24.

#### **A121 FLOOR PLAN – RESTROOM / PAVILION BUILDING**

**REVISE** Labels calling for “PVC FASCIA” on ELEVATION views on this sheet to read as follows:

“MTL WRAPPED WD FASCIA” as shown in attached revised Sheet A121 with revision date 3-14-24.

#### **A130 PLANS AND ELEVATIONS – DUGOUT AND BACKSTOP**

**ADD** label for “TURN DOWN SLAB – TYP” to FLOOR PLAN - DUGOUT as shown in attached revised Sheet A130 with revision date 3-14-24.

**ADD** “HORIZONTAL STL MEMBERS AT TOP OF BENCH, COORD HEIGHT W/ HEIGHT OF BENCHES” to ELEVATION- DUGOUT as shown in attached revised Sheet A130 with revision date 3-14-24.

#### **A140 PLAN, ELEVATION AND DETAILS - SIGN**

**ADD** DIGITAL SIGN BY DIGITAL SIGN MFR to ELEVATION – SIGN detail as shown in attached revised Sheet A140 with revision date 3-14-24.

**ADD** DIGITAL SIGN NOTES as shown in attached revised Sheet A140 with revision date 3-14-24.

#### **P121 PLUMBING PLAN – PAVILION / RESTROOM BUILDING**

**REVISE** location of FWH freeze proof wall hydrant inside chase as shown in attached revised Sheet P121 with revision date 03/15/24.

#### **E000 GENERAL NOTES & LEGEND**

**REPLACE** this sheet per the attached reissued sheet with revision date 03/14/2024.

**E110 ELECTRICAL SITE PLAN AREA A**

REPLACE this sheet per the attached reissued sheet with revision date 03/14/2024.

**E120 ELECTRICAL SITE PLAN AREA B**

REPLACE this sheet per the attached reissued sheet with revision date 03/14/2024.

**E130 ELECTRICAL SITE PLAN AREA C**

REPLACE this sheet per the attached reissued sheet with revision date 03/14/2024.

**E140 ELECTRICAL SITE PLAN AREA D**

REPLACE this sheet per the attached reissued sheet with revision date 03/14/2024.

**E150 ELECTRICAL SERVICE DETAILS**

REPLACE this sheet per the attached reissued sheet with revision date 03/14/2024.

**E151 480V SITE PANEL SCHEDULES**

REPLACE this sheet per the attached reissued sheet with revision date 02/28/2024.

**E210 ELECTRICAL PLAN – RESTROOM BUILDING**

REPLACE this sheet per the attached reissued sheet with revision date 02/28/2024.

**E220 ELECTRICAL PLAN – PAVILION**

REPLACE this sheet per the attached reissued sheet with revision date 03/14/2024.

**E230 ELECTRICAL PLAN – RESTROOM / PAVILION BUILDING**

REPLACE this sheet per the attached reissued sheet with revision date 03/14/2024.

**CLARIFICATIONS**

**ATTACHMENTS**

1. Revised Drawing A101 FLOOR PLAN – RESTROOM BUILDING with revision date 3-14-24.
2. Revised Drawing A102 EXTERIOR ELEVATIONS – RESTROOM BUILDING with revision date 3-14-24.
3. Revised Drawing A103 BUILDING SECTIONS – RESTROOM BUILDING with revision date 3-14-24.

4. Revised Drawing A104 WALL SECTIONS – RESTROOM BUILDING with revision date 3-14-24.
5. Revised Drawing A120 FLOOR PLAN – RESTROOM / PAVILION BUILDING with revision date 3-14-24.
6. Revised Drawing A120 FLOOR PLAN – RESTROOM / PAVILION BUILDING with revision date 3-14-24.
7. Revised Drawing A130 PLANS AND ELEVATION – DUGOUT AND BACKSTOP with revision date 3-14-24.
8. Revised Drawing A140 PLAN, ELEVATION AND DETAILS - SIGN with revision date 3-14-24.
9. Revised Sheet P121 PLUMBING PLAN – PAVILION / RESTROOM BUILDING with revision date 03/15/24.
10. Revised Sheet E000 GENERAL NOTES & LEGEND with revision date 03/14/2024.
11. Revised Sheet E110 ELECTRICAL SITE PLAN AREA A with revision date 03/14/2024.
12. Revised Sheet E120 ELECTRICAL SITE PLAN AREA B with revision date 03/14/2024.
13. Revised Sheet E130 ELECTRICAL SITE PLAN AREA C with revision date 03/14/2024.
14. Revised Sheet E140 ELECTRICAL SITE PLAN AREA D with revision date 03/14/2024.
15. Revised Sheet E150 ELECTRICAL SERVICE DETAILS with revision date 03/14/2024.
16. Revised Sheet E151 480V SITE PANEL SCHEDULES with revision date 02/28/2024.
17. Revised Sheet E210 ELECTRICAL PLAN – RESTROOM BUILDING with revision date 02/28/2024.
18. Revised Sheet E220 ELECTRICAL PLAN – PAVILION with revision date 03/14/2024.
19. Revised Sheet E230 ELECTRICAL PLAN – RESTROOM / PAVILION BUILDING with revision date 03/14/2024.

**END ADDENDUM NO. 4**

### GENERAL FINISH NOTES:

- CONTRACTOR SHALL CLEAR SEAL THE EXPOSED FLOORING.
- EXTERIOR SHALL BE GROUND FACE CMU, INTERIOR CMU SHALL BE WEATHER SEALED, PRIMED AND PAINTED WHITE.
- VINYL PANEL CEILING AND CEILING STRIPS / TRIM SHALL BE WHITE.
- HOLLOW METAL DOORS AND FRAMES SHALL BE PAINTED DARK GREY.
- DOOR HARDWARE SHALL HAVE SATIN NICKEL FINISH.
  - LEVER HANDLE KETED STOREROOM LOCKEST
  - 3 HEAVY DUTY HINGES
  - OVERHEAD DOOR HANDLE WITH KEYED LOCK SET PER DOOR MANUFACTURER.
  - ALL DOORS SHALL HAVE WEATHER SEALS.
- MANUAL OPERATING OVERHEAD STEEL DOORS SHALL BE DARK GREY AND HAVE WEATHER SEALS.
- TOILET PARTITIONS SHALL BE VANDALISM RESISTANT HOPE AND HAVE OVERHEAD AND FLOOR MOUNTED SUPPORT. URINAL PARTIONS SHALL BE WALL MOUNTED. ALL TOILET PARTITIONS TO BE GREY.
- WALL MOUNTED PLUMBING FIXTURES SHALL BE WHITE.
- THE COLOR OF THE ARCHITECTURAL SHINGLES SHALL BE DARK GREY.
- THE COLOR OF THE ALUMINUM GUTTERS AND DOWNSPOUTS SHALL BE DARK GREY.
- PROVIDE AND INSTALL ROOM IDENTIFICATION SIGNAGE TO MEET H/C ACCESSIBILITY.
- GROUND FACE CMU COLOR 1 - BETCO SUPREME SERIES DARK CHOCOLATE  
GROUND FACE CMU COLOR 2 - BETCO SUPREME SERIES SOFT COTTON  
TOILET PARTITIONS - ASI GLOBAL PARTITIONS #9237 CHARCOAL  
INTERIOR CMU WALLS / CEILING PAINT COLOR - SW 7003 TOQUE WHITE
- EXTERIOR WOOD TRIM, ALUMINUM WRAPPED TO BE DARK GREY.  
PROVIDE COLORS INDICATED OR AS SELECTED BY OWNER DURING CONSTRUCTION, MINIMUM 2 CMU COLORS TO BE SUPPLIED.

### GENERAL NOTES:

PROJECT NAME:  
MONTGOMERY COUNTY PARKS AND RECREATION - AUBURN PARK FULL BUILD-OUT

PROJECT OWNER:  
MONTGOMERY COUNTY PARKS AND RECREATION  
755 ROANOKE STREET  
CHRISTIANSBURG, VA 24073

PROJECT OWNER REPRESENTATIVE:  
FORESIGHT DESIGN SERVICES  
1260 RADFORD STREET  
CHRISTIANSBURG, VA 24073

1. THE NEW RESTROOM BUILDING, PICNIC PAVILION AND RESTROOM / PAVILION COMBO BUILDING WILL BE PUBLIC SUPPORT BUILDINGS SERVING THE NEEDS OF THE MONTGOMERY COUNTY CITIZENS DURING THEIR TIME UTILIZING THE PUBLIC OUTDOOR RECREATION PARK. THE BUILDINGS ARE ANCILLARY BUILDINGS TO THE OVERALL PARK AND RECREATION FACILITY.

2. THE NEW RESTROOM BUILDING AND RESTROOM / PAVILION COMBO BUILDING USE AND OCCUPANCY CLASSIFICATION PER 2018 VIRGINIA CONSTRUCTION CODE SHALL BE 'B' BUSINESS PER SECTION 303.1.2.

3. THE NEW PICNIC PAVILION USE AND OCCUPANCY CLASSIFICATION PER 2018 VIRGINIA CONSTRUCTION CODE SHALL BE 'U' UTILITY PER SECTION 312.1.

4. THE RESTROOM BUILDING HEIGHT IS APPROXIMATELY 14'-6" TO THE RIDGE LINE. THE PICNIC PAVILION HEIGHT IS APPROXIMATELY 13'-4" TO THE RIDGE LINE. THE RESTROOM / PAVILION COMBO BUILDING HEIGHT IS APPROXIMATELY 14'-6" TO THE RIDGE LINE.

5. THE RESTROOM FACILITY HAS A WOOD ROOF STRUCTURE AND CMU WALLS WITH CONCRETE SLAB FLOORING. THE PICNIC PAVILION IS A PRE-ENGINEERED STRUCTURE WITH WOOD ROOF STRUCTURE, TIMBER POSTS AND CONCRETE SLAB FLOORING. THE RESTROOM / PAVILION COMBO BUILDING HAS A WOOD ROOF STRUCTURE AND CMU WALLS WITH CONCRETE SLAB FLOORING FOR THE RESTROOM PORTION AND A PRE-ENGINEERED STRUCTURE WITH WOOD ROOF STRUCTURE, TIMBER POSTS AND CONCRETE SLAB FLOORING FOR THE PAVILION PORTION.

6. SQUARE FOOTAGE:  
RESTROOM BUILDING: 1,024 SF  
PICNIC PAVILION: 2,635 SF  
RESTROOM / PAVILION COMBO BUILDING: 1,500 SF

7. OCCUPANCY FOR RESTROOM BUILDING:  
MEN = 5  
WOMEN = 5  
STORAGE = 1  
TOTAL = 11

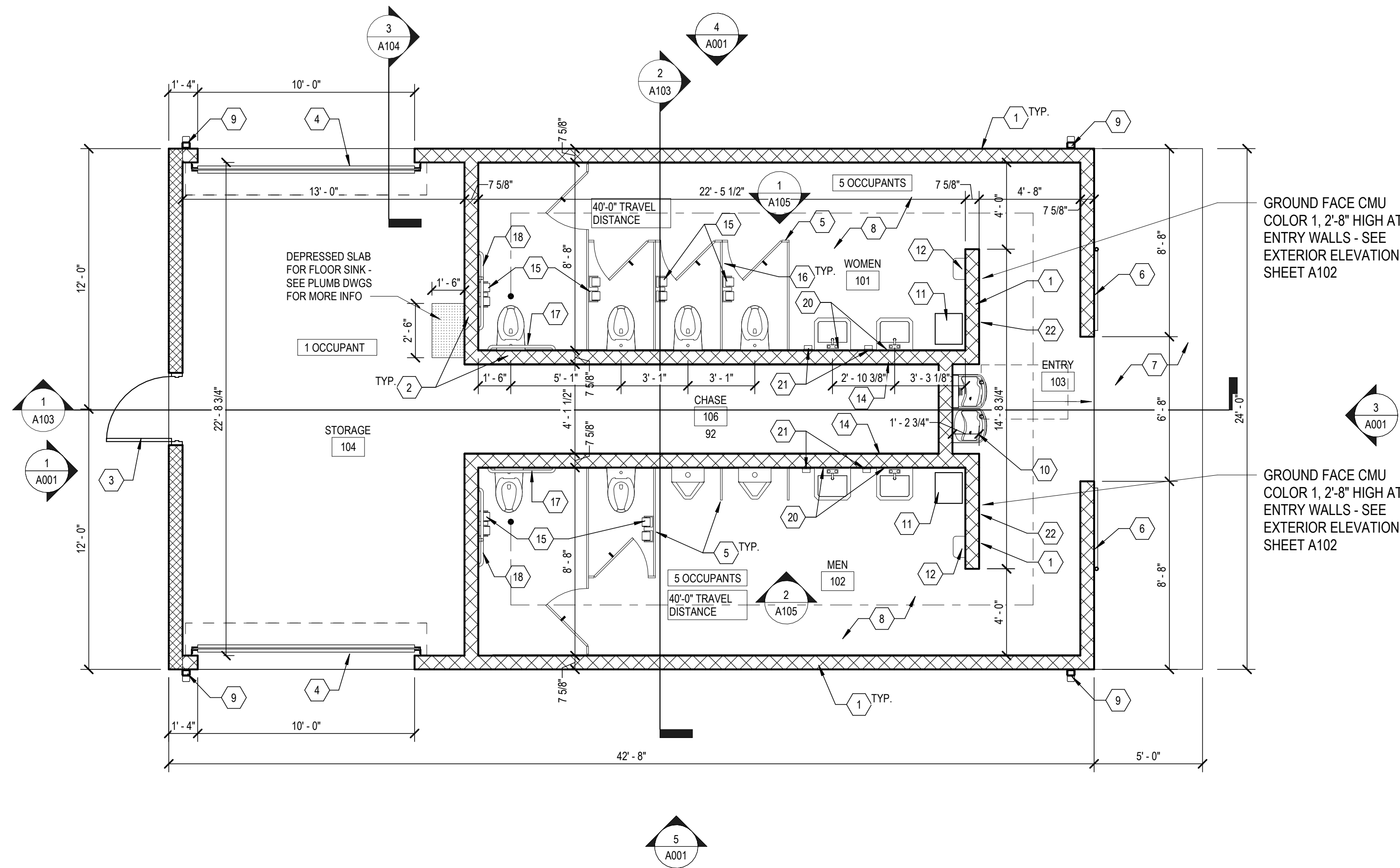
OCCUPANCY FOR PICNIC PAVILION:  
UNCONCENTRATED (TABLES AND CHAIRS) 15 NET  
2,635 SF / 15 NET = 176 OCCUPANTS

OCCUPANCY FOR RESTROOM / PAVILION COMBO BUILDING:  
UNCONCENTRATED (TABLES AND CHAIRS) 15 NET  
900 SF / 15 NET = 60 OCCUPANTS  
MEN = 4  
WOMEN = 4  
TOTAL = 68

8. DO NOT SCALE DRAWINGS.

### KEY NOTES

- GROUND FACE CMU
- SMOOTH FACE CMU - PAINT
- 3'-0" WIDE x 7'-0" HIGH HM DOOR
- 10'-0" WIDE x 8'-0" HIGH OVERHEAD DOOR
- PHENOLIC TOILET PARTITIONS W/ OVERHEAD SUPPORT - TYP
- SLIDING SECURITY GATE, BLACK VINYL COATED CHAIN LINK, FREESTANDING, FABRICATE GATES TO BE LOCKED IN BOTH OPEN AND CLOSED POSITIONS
- CONCRETE PAD
- EXPOSED CONCRETE FLOOR
- ALUMINUM DOWNSPOUT
- WATER FOUNTAIN W/ BOTTLE FILLER (OASIS PGSBFSL MODEL OR APPROVED EQUAL)
- WATER FOUNTAIN W/ BOTTLE FILLER
- TRASH CAN - CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
- HAND DRYER
- TANKLESS ELECTRIC WATER HEATER - SEE MEP DRAWINGS
- TOILET PAPER DISPENSER - OWNER FURNISHED, CONTRACTOR INSTALLED
- SANITARY NAPKIN DISPOSAL
- 36" GRAB BAR
- 42" GRAB BAR
- FLOOR DRAIN - SEE PLUMBING DRAWINGS
- MIRROR
- SOAP DISPENSER - OWNER FURNISHED, OWNER INSTALLED
- ROOM DESIGNATION SIGN



**FLOOR PLAN - RESTROOM BUILDING**  
1/4" = 1'-0"

**ZMM ARCHITECTS ENGINEERS**  
222 Lee Street, West Charleston, West Virginia 25302  
Phone: 304.342.0159 Fax: 304.345.8144  
1116 South Main Street Blacksburg, Virginia 24060  
Phone: 540.552.2151  
www.zmm.com

**FORE SIGHT DESIGN SERVICES**  
ENGINEERING • LAND PLANNING • SURVEYING  
1260 Radford Street Christiansburg, Virginia 24073  
Phone: (540) 381-6011 Fax: (540) 381-2773  
Email: info@foresightdesignservices.com Web: www.foresightdesignservices.com

The drawing, design, and digital files relating to this project are the property of Foresight Design Services. The reproduction, copying, or other use of this drawing without FDS's written consent is prohibited.

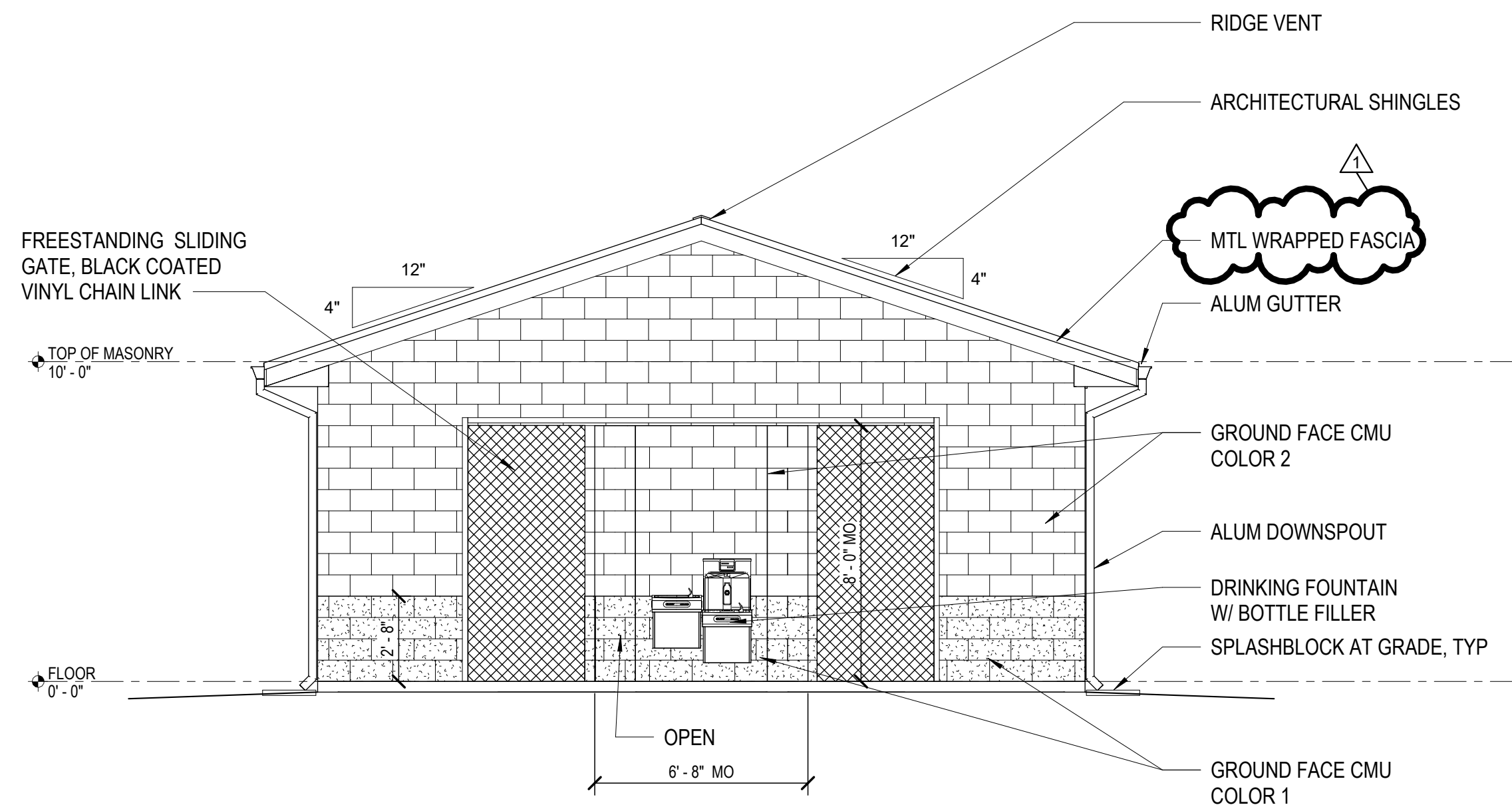
MONTGOMERY COUNTY PARKS AND RECREATION AUBURN PARK FULL BUILD-OUT



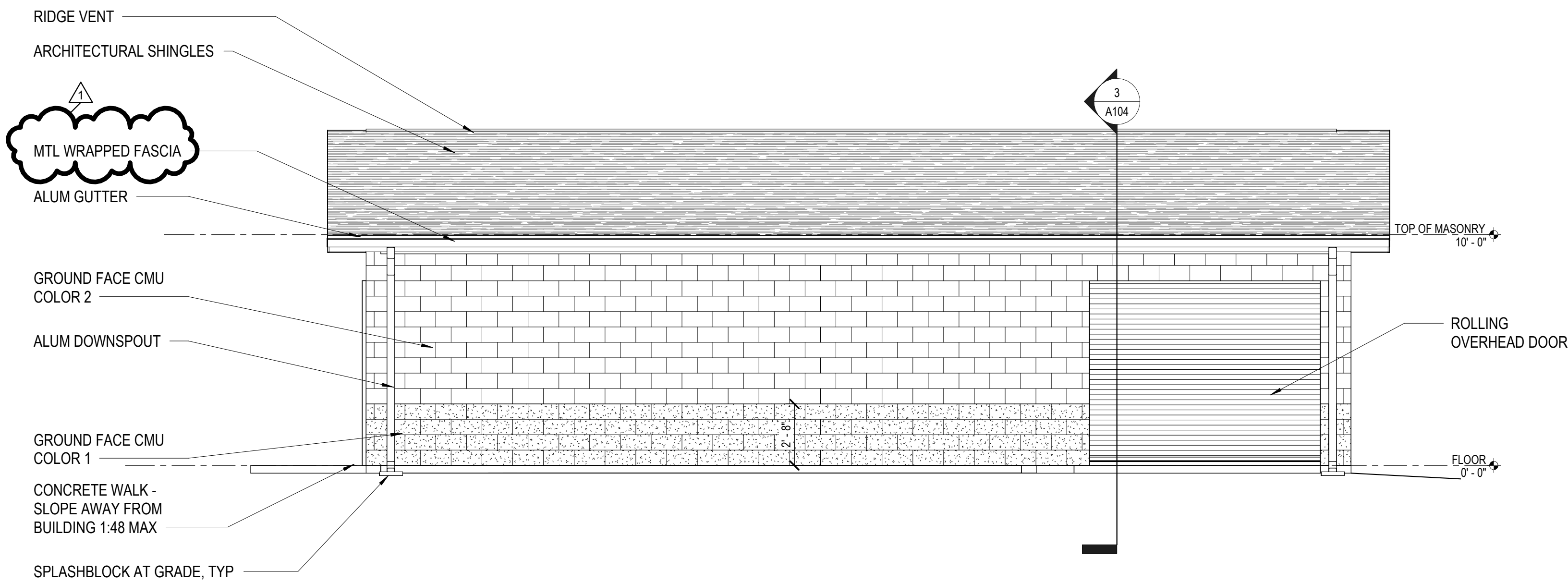
REVISIONS		
NO.	COMMENTS	DATE
1	ADDENDUM	2-27-24
		3-14-24

PROJECT TEAM	
PIC	TREVOR M. KIMZEY, PE
PM	MATTHEW P. TOMLINSON, PE
DESIGN	CPM
ISSUE DATE	
1/26/2024	
FDS JOB NO.	
ZMM 2023006	
SHEET TITLE	
FLOOR PLAN - RESTROOM BUILDING	
SHEET NUMBER	
A101	

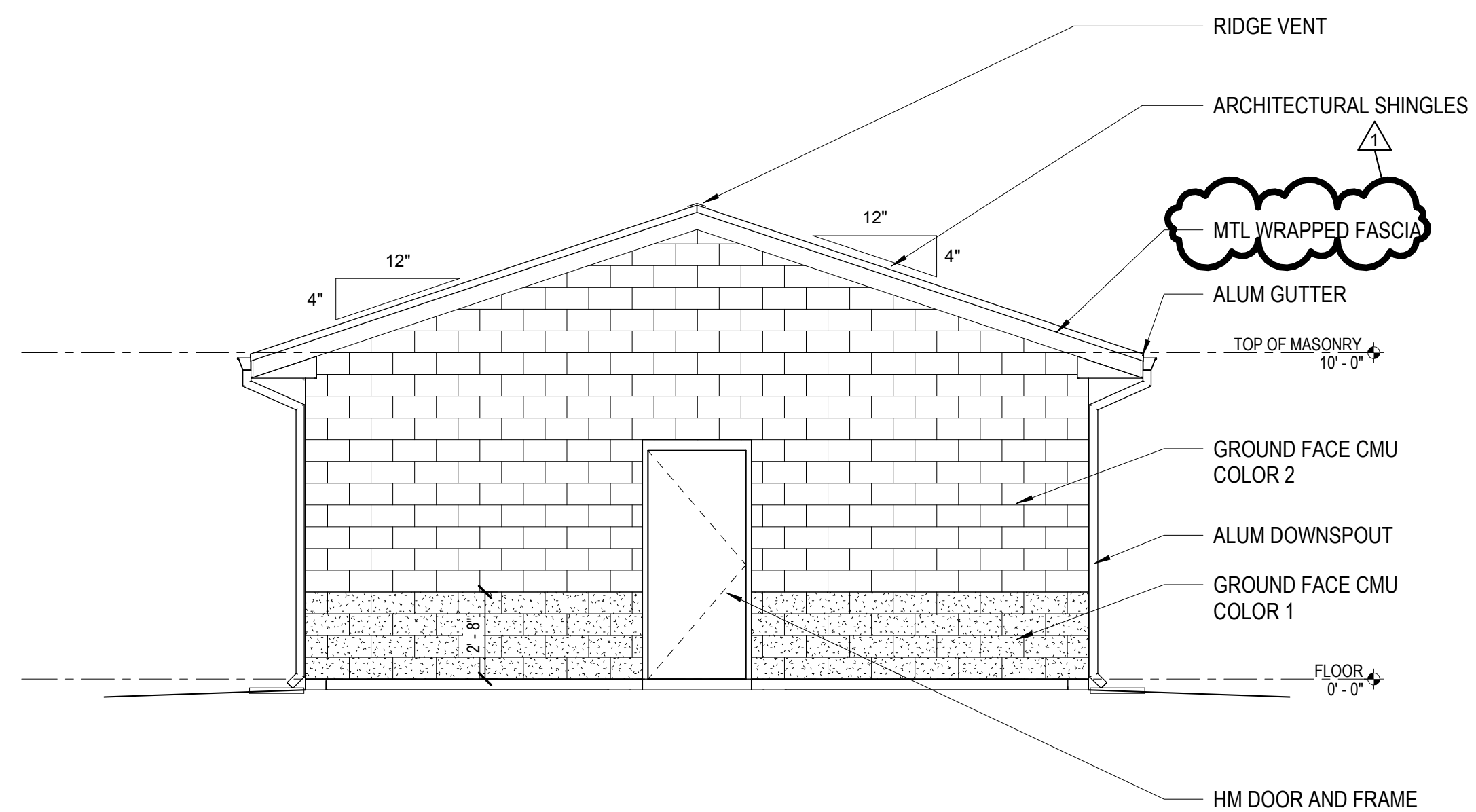




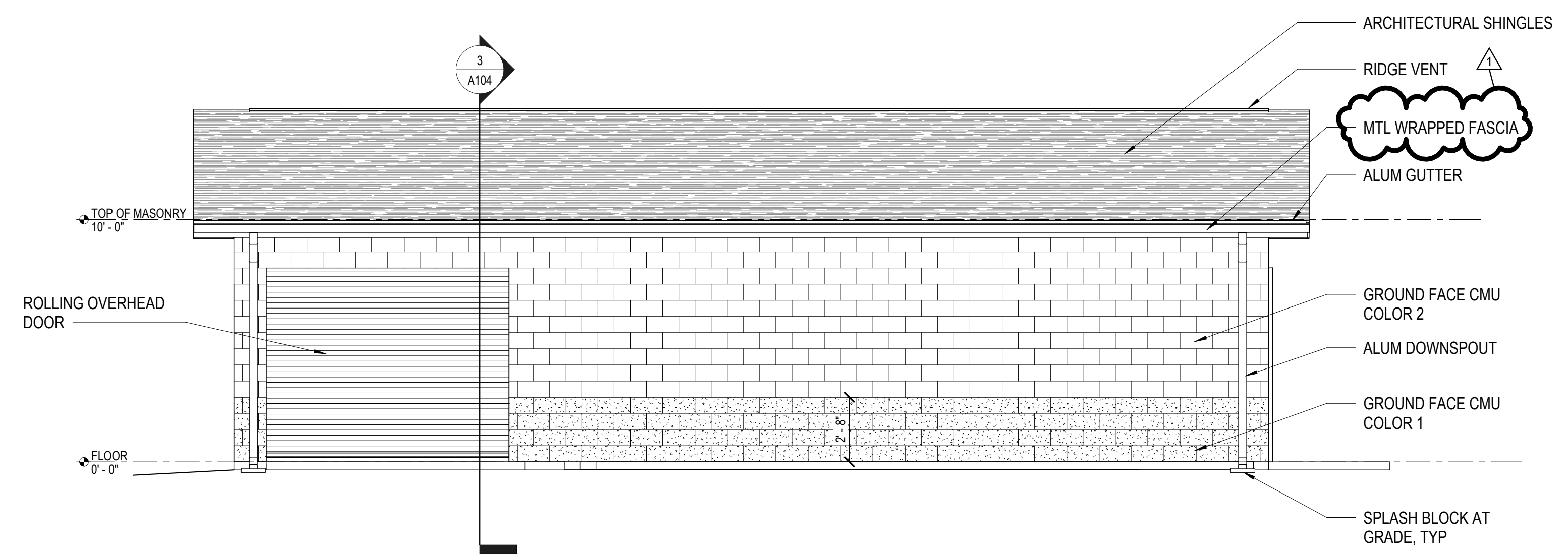
**1 ELEVATION**  
A101 1/4" = 1'-0"



**2 ELEVATION**  
A101 1/4" = 1'-0"



**4 ELEVATION**  
A101 1/4" = 1'-0"



**3 ELEVATION**  
A101 1/4" = 1'-0"

**ZMM ARCHITECTS ENGINEERS**  
 222 Lee Street, West Charleston, West Virginia 25302  
 Phone: 304.342.0159 Fax: 304.345.8144  
 1116 South Main Street Blacksburg, Virginia 24060  
 Phone: 540.552.2151  
 www.zmm.com

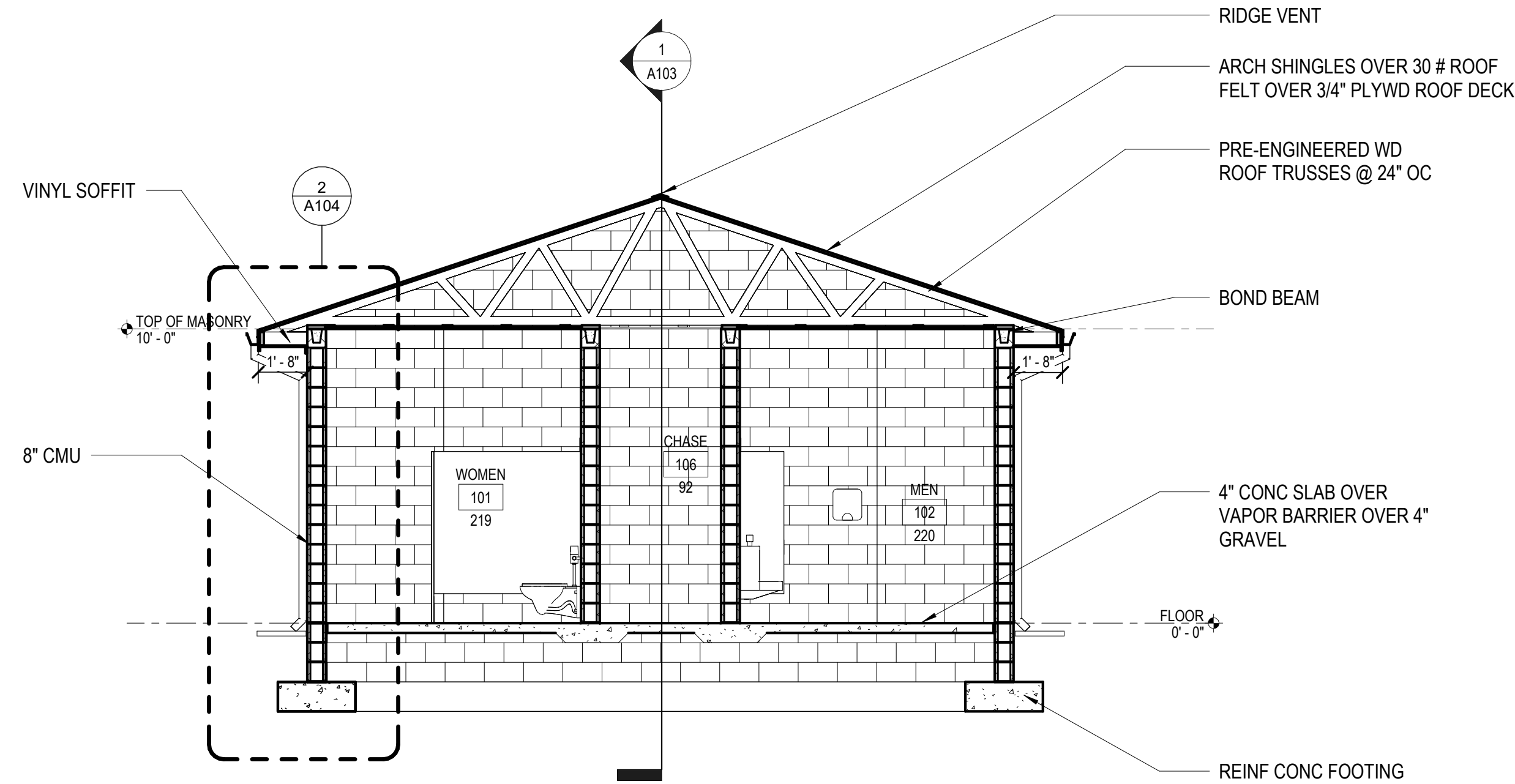
The drawing, design, and digital files relating to this project are the property of Foresight Design Services. The reproduction, copying, or other use of this drawing without FDS's written consent is prohibited.

**MONTGOMERY COUNTY PARKS AND RECREATION AUBURN PARK FULL BUILD-OUT**  
 MONTGOMERY COUNTY, VIRGINIA

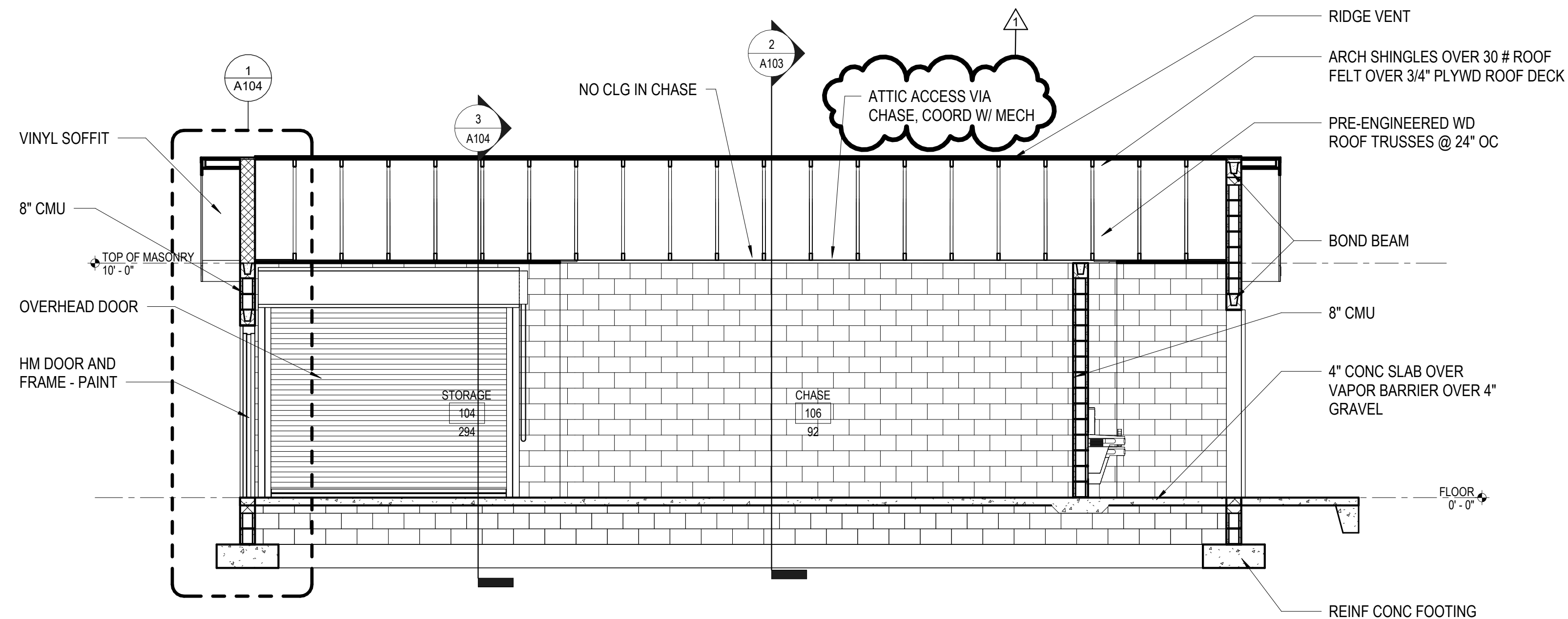


REVISIONS		
NO.	COMMENTS	DATE
1	ADDENDUM	2-27-24
		3-14-24

PROJECT TEAM	
PIC	TREVOR M. KIMZEY, PE
PM	MATTHEW P. TOMLINSON, PE
DESIGN	CPM
ISSUE DATE	
1/26/2024	
FDS JOB NO.	
ZMM 2023006	
SHEET TITLE	
EXTERIOR ELEVATIONS - RESTROOM BUILDING	
SHEET NUMBER	
A102	



**2 BUILDING SECTION**  
A101 1/4" = 1'-0"



**1 BUILDING SECTION**  
A101 1/4" = 1'-0"

The drawing, design, and digital files relating to this project are the property of Foresight Design Services. The reproduction, copying, or other use of this drawing without FDS's written consent is prohibited.

**MONTGOMERY COUNTY  
PARKS AND RECREATION  
AUBURN PARK FULL BUILD-OUT**

MONTGOMERY COUNTY, VIRGINIA



**REVISIONS**

NO.	COMMENTS	DATE
1	ADDENDUM	2-27-24
		3-14-24

**PROJECT TEAM**

PIC	TREVOR M. KIMZEY, PE
PM	MATTHEW P. TOMLINSON, PE
DESIGN	CPM

**ISSUE DATE**

1/26/2024

**FDS JOB NO.**

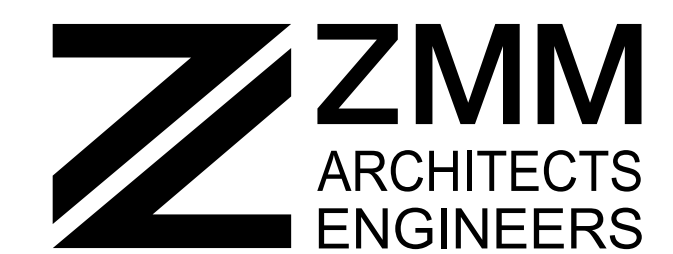
ZMM 2023006

**SHEET TITLE**

BUILDING SECTIONS -  
RESTROOM BUILDING

**SHEET NUMBER**

A103



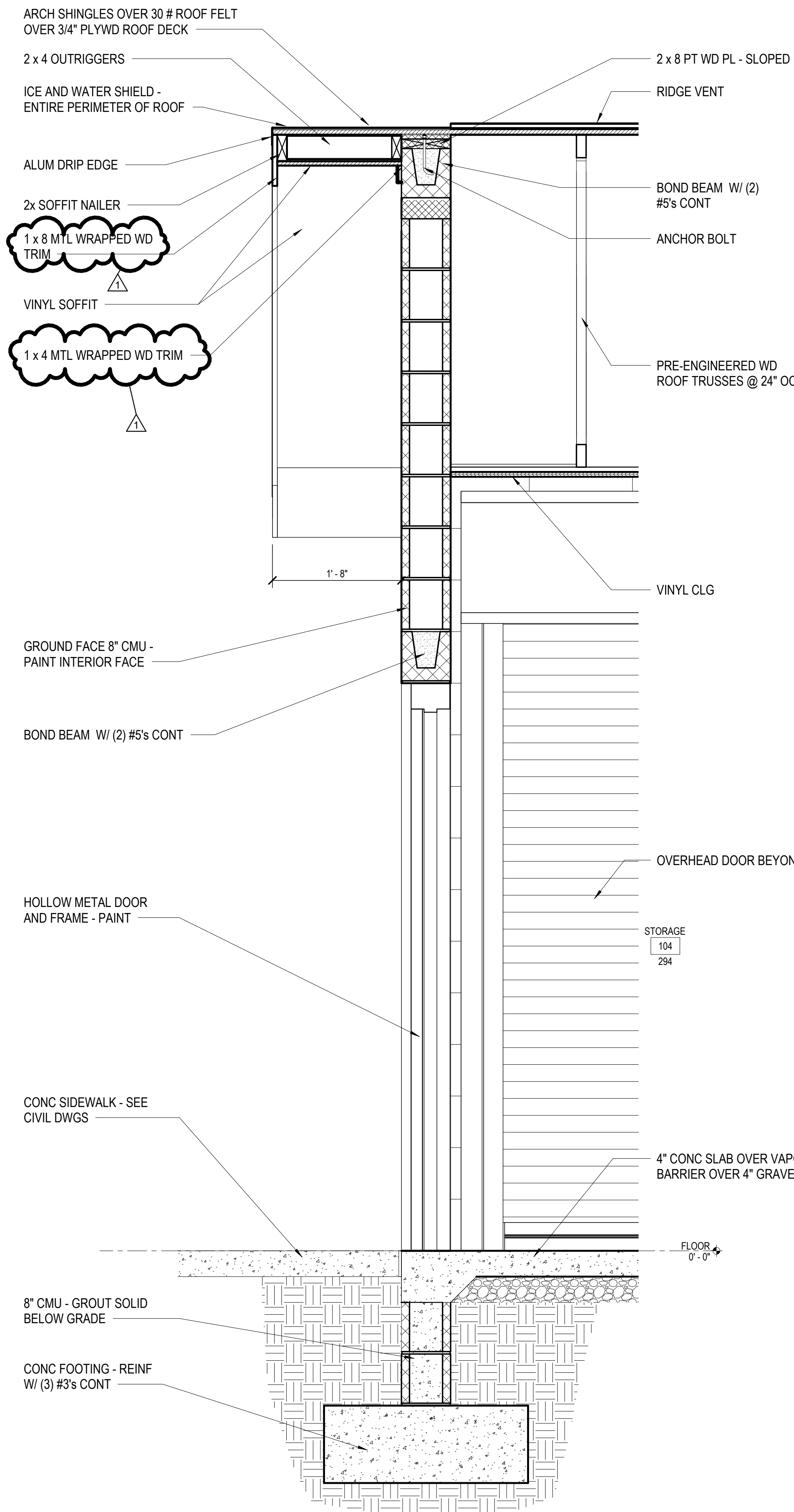
222 Lee Street, West  
Charleston, West Virginia  
25302  
Phone: 304.342.0159  
Fax: 304.345.8144

1116 South Main Street  
Blacksburg, Virginia  
24060  
Phone: 540.552.2151

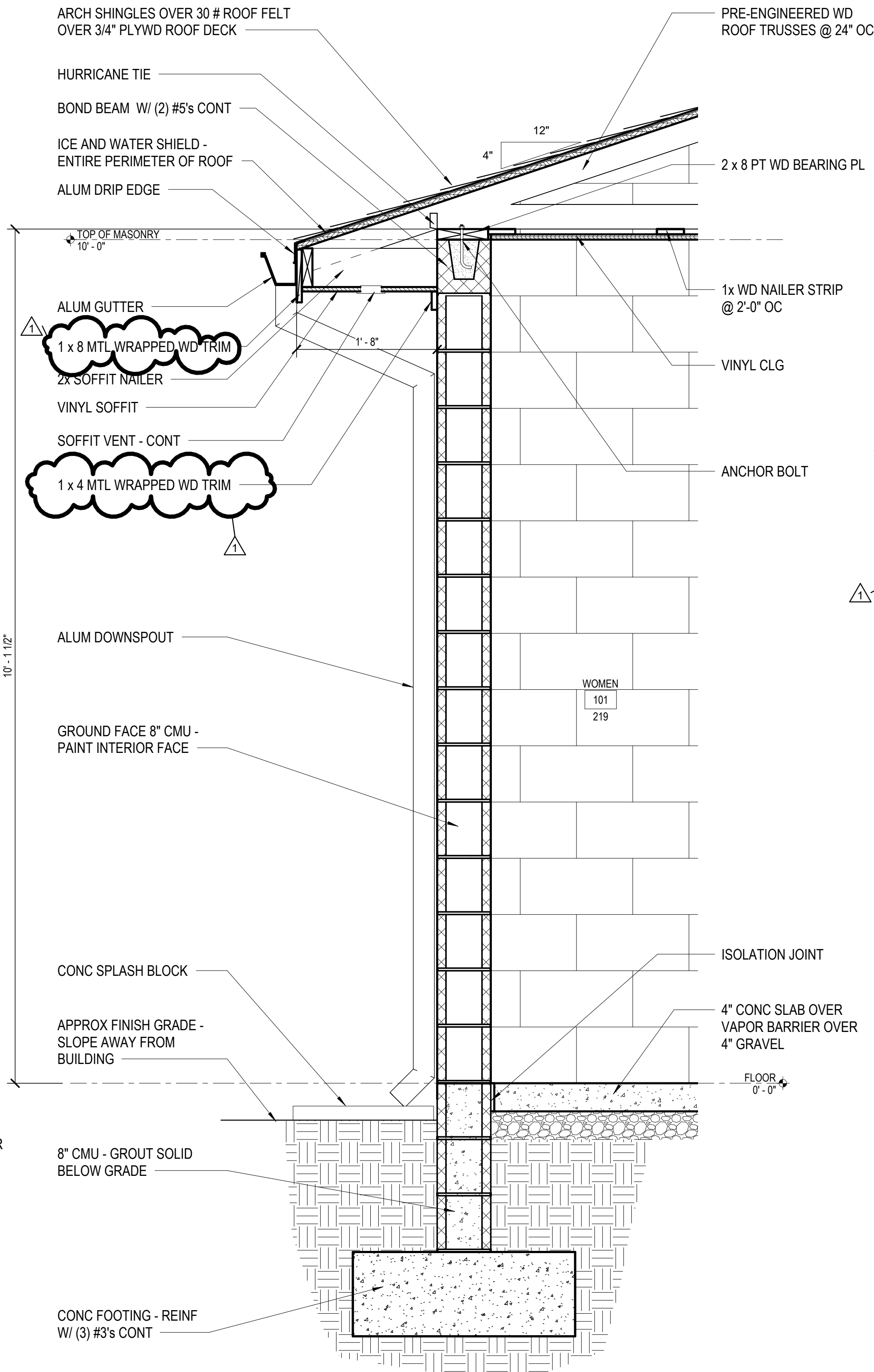
www.zmm.com

www.zmm.com

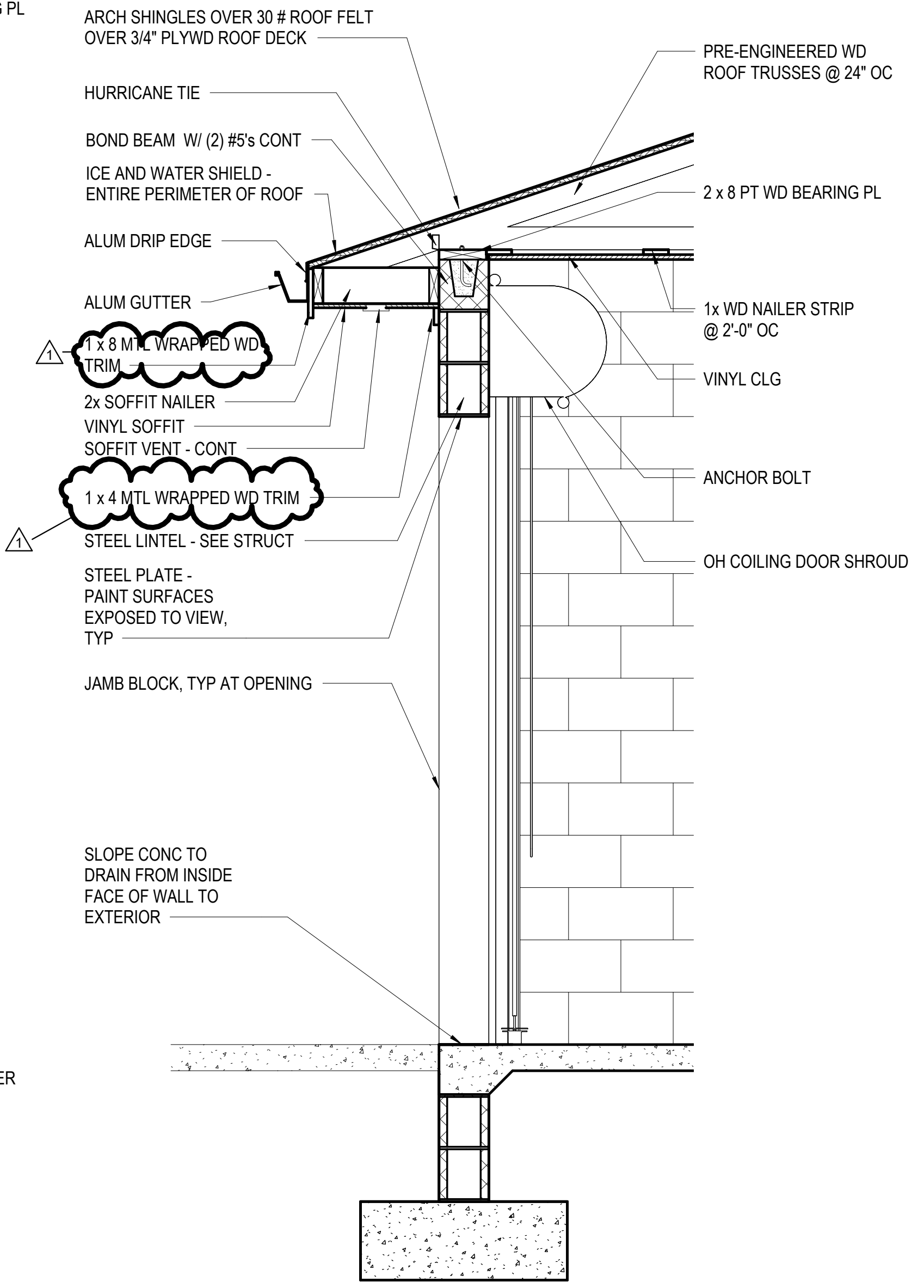




**1 TYP WALL SECTION - RESTROOM BUILDINGS**  
A103 1" = 1'-0"



**2 TYP WALL SECTION - RESTROOM BUILDINGS**  
A103 1" = 1'-0"



**3 WALL SECTION @ OVERHEAD DOOR**  
A001 3/4" = 1'-0"

The drawing, design, and digital files relating to this project are the property of Foresight Design Services. The reproduction, copying, or other use of this drawing without FDS's written consent is prohibited.

**MONTGOMERY COUNTY  
PARKS AND RECREATION  
AUBURN PARK FULL BUILD-OUT**  
MONTGOMERY COUNTY, VIRGINIA



**REVISIONS**

NO.	COMMENTS	DATE
1	ADDENDUM	2-27-24
		3-14-24

**PROJECT TEAM**

PIC	TREVOR M. KIMZEY, PE
PM	MATTHEW P. TOMLINSON, PE
DESIGN	CPM

**ISSUE DATE**

1/26/2024

**FDS JOB NO.**

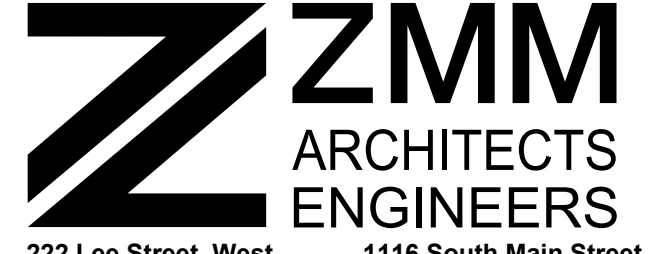
ZMM 2023006

**SHEET TITLE**

WALL SECTIONS -  
RESTROOM BUILDING

**SHEET NUMBER**

A104



222 Lee Street, West  
Charleston, West Virginia  
25302  
Phone: 304.342.0159  
Fax: 304.345.8144

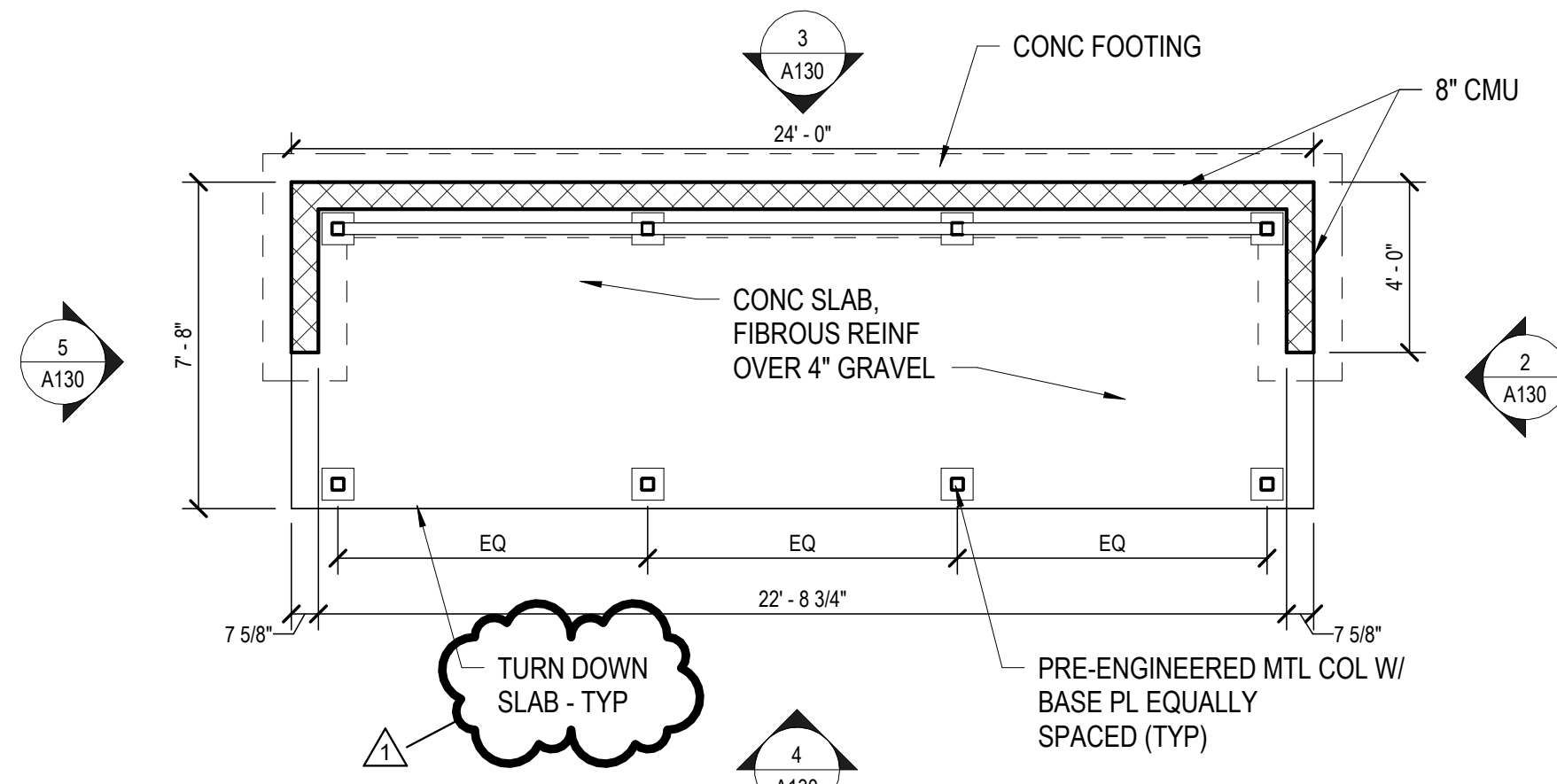
1116 South Main Street  
Blacksburg, Virginia  
24060  
Phone: 540.552.2151

www.zmm.com www.zmm.com



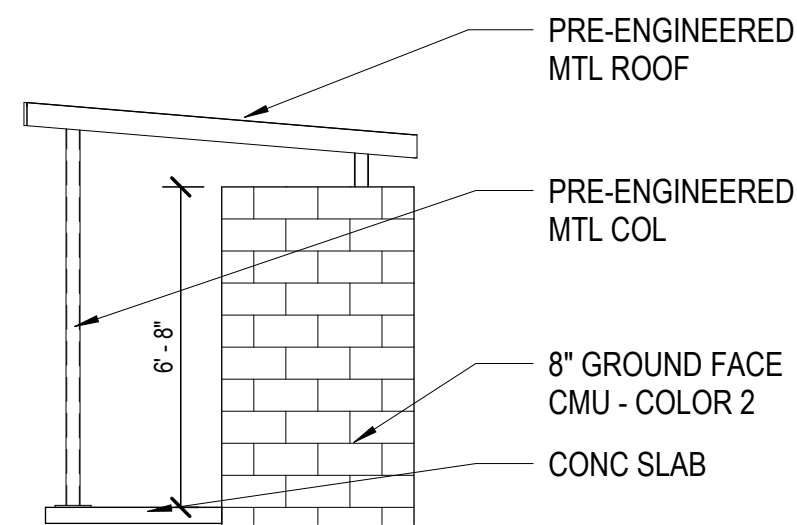
**STRUCTURAL NOTES - DUGOUT:**

1. STRUCTURAL FOUNDATION AND REINFORCING SHALL BE IN ACCORDANCE WITH IBC 2018 AND THE LOCAL BUILDING OFFICIAL REQUIREMENTS.
2. MASONRY = 2,000 PSI
3. CONCRETE = 3,000 PSI (FOOTING)  
4,000 PSI AIR ENTRAINED (SLAB ON GRADE)
4. WALL FOOTINGS TO BE 2'-8" WIDE x 12" THICK REINFORCED WITH (4) #4 CONT.
5. TOP OF FOOTING TO BE 2'-8" BELOW FINISH GRADE.
6. WALLS TO BE 8" CMU REINFORCED WITH #5's @ 4'-0"
7. PROVIDE BOND BEAMS AT TOP OF CMU WALLS W/ (2) #5's

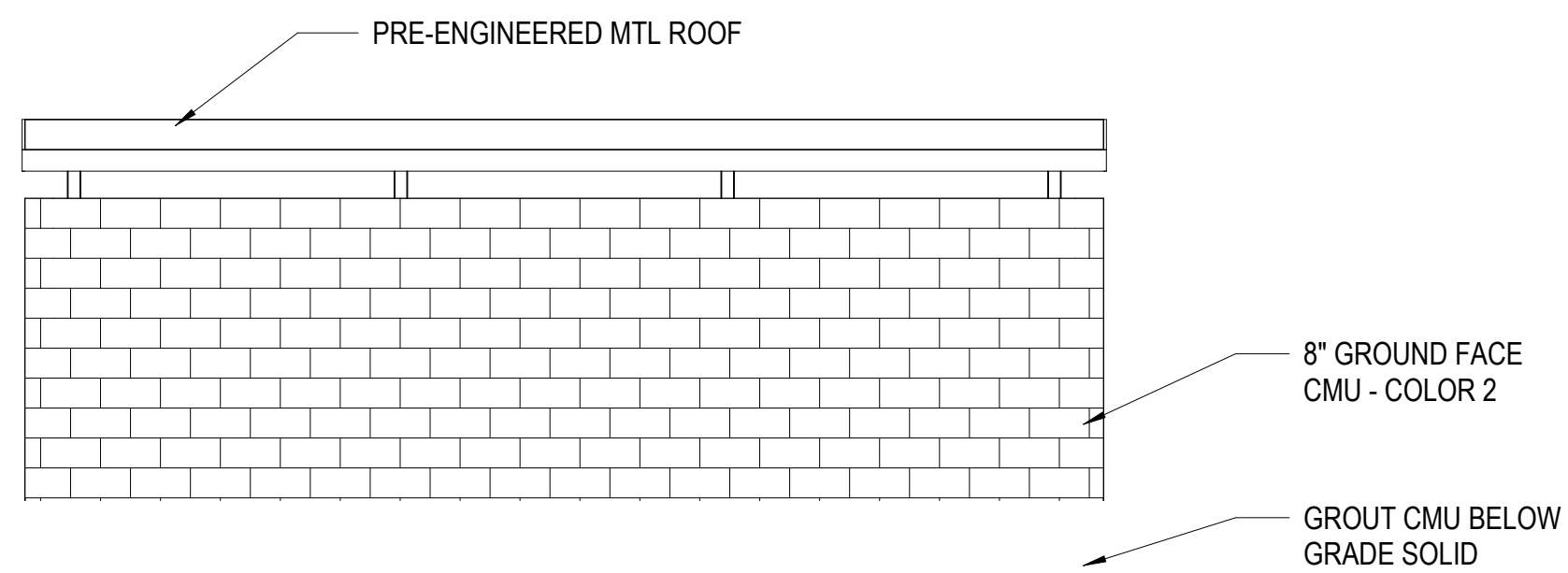


**FLOOR PLAN - DUGOUT**  
1/4" = 1'-0"

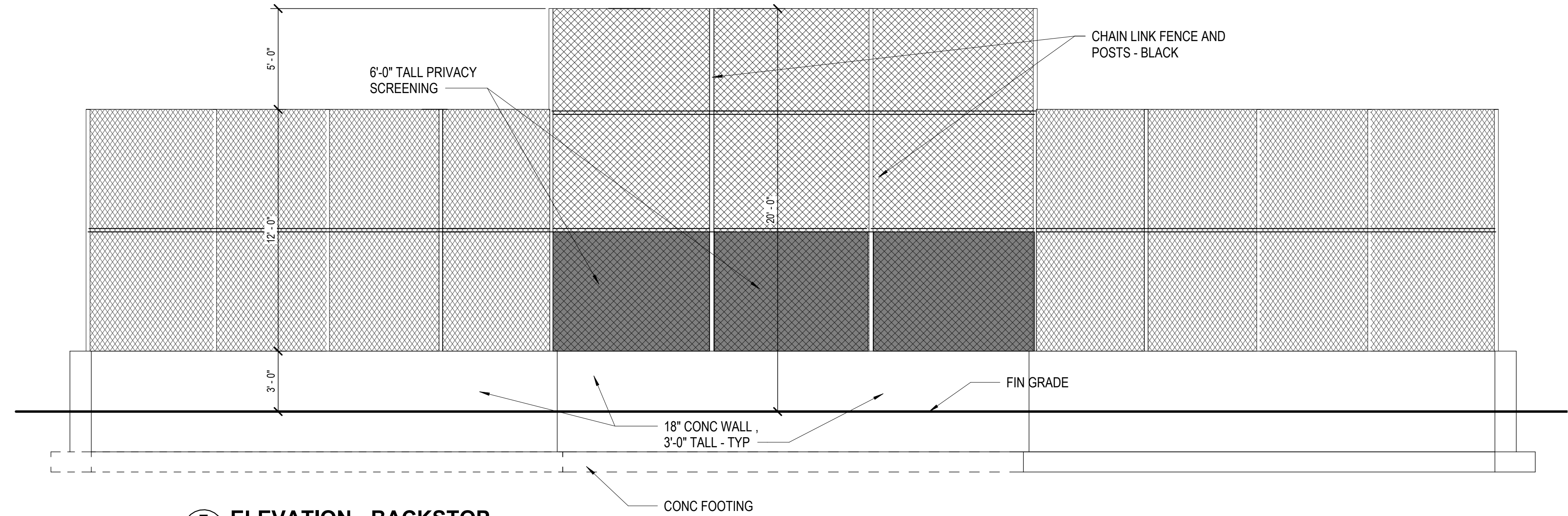
NOTE:  
DUGOUT COLUMNS, BASE PLATES,  
ROOF MEMBERS AND ROOF PANELS  
AND ALL ASSOCIATED COMPONENTS  
TO BE PRE-ENGINEERED. ALL  
DIMENSIONS AND SIZING TO BE  
DETERMINED BY PRE-ENGINEERED  
DUGOUT MANUFACTURER.



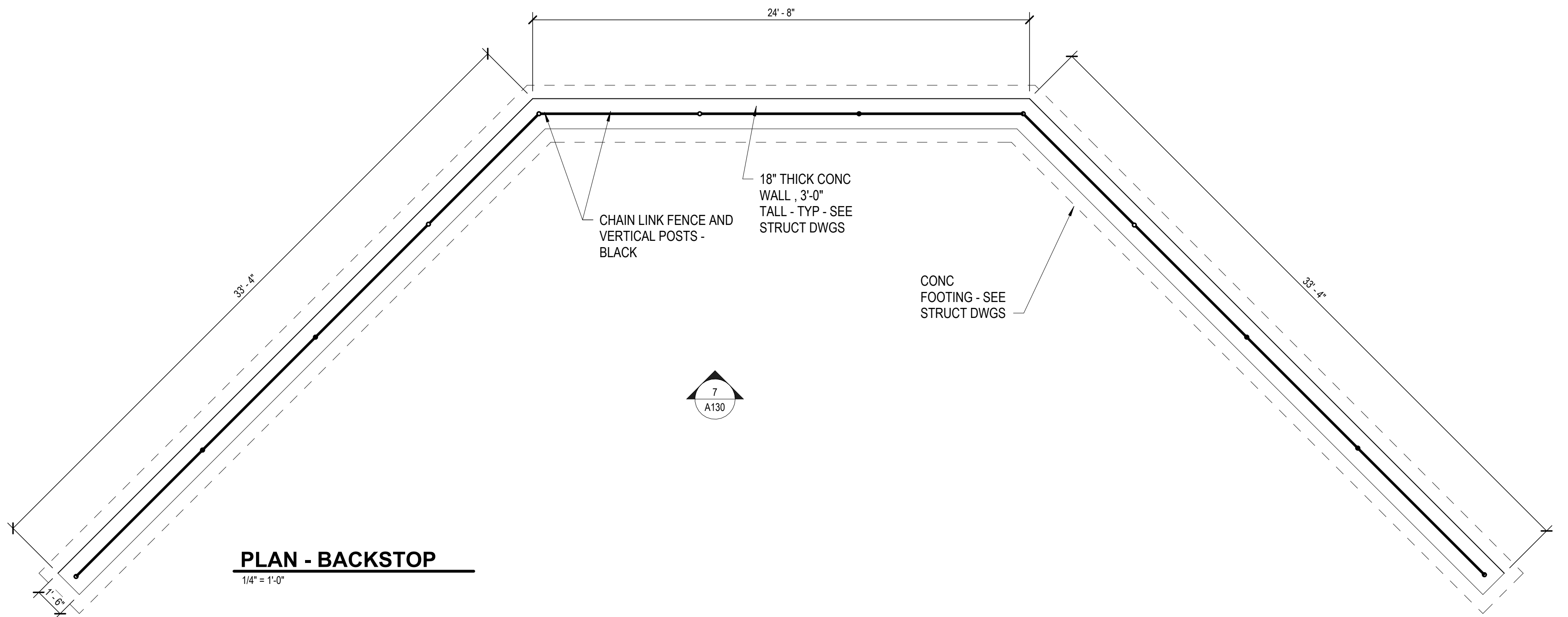
**2 ELEVATION - DUGOUT**  
A130 1/4" = 1'-0"



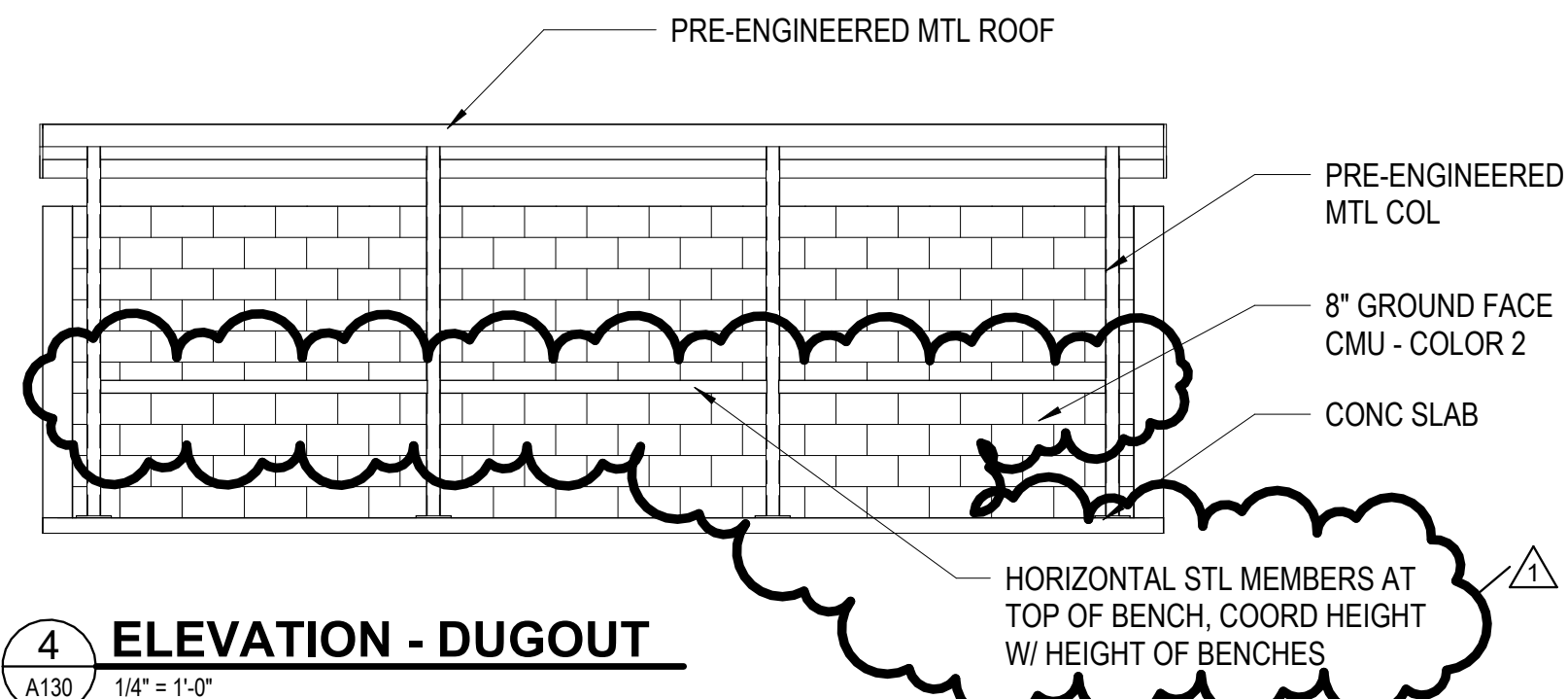
**3 ELEVATION - DUGOUT**  
A130 1/4" = 1'-0"



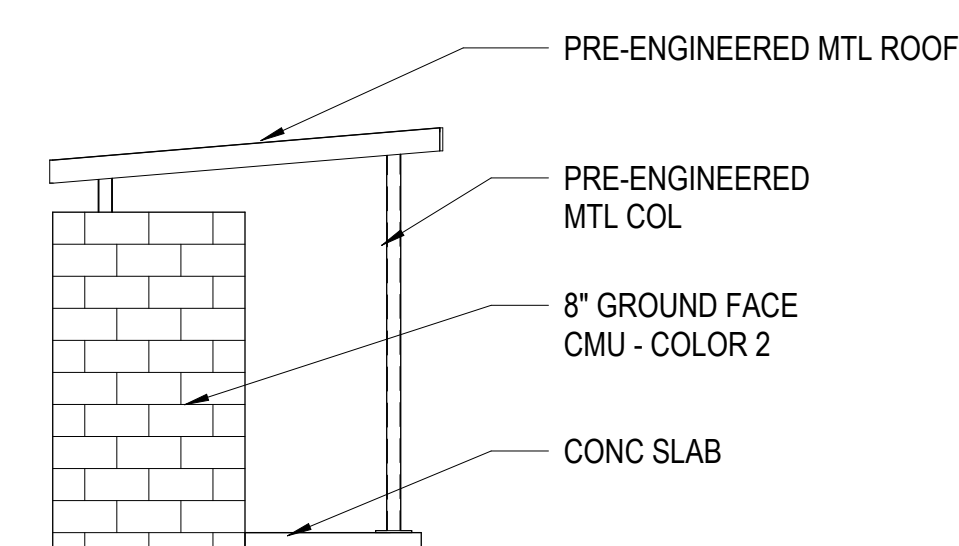
**7 ELEVATION - BACKSTOP**  
A130 1/4" = 1'-0"



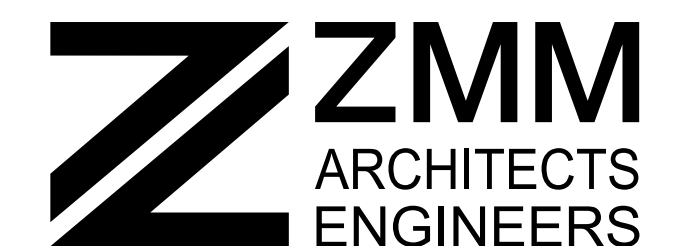
**PLAN - BACKSTOP**  
1/4" = 1'-0"



**4 ELEVATION - DUGOUT**  
A130 1/4" = 1'-0"



**5 ELEVATION - DUGOUT**  
A130 1/4" = 1'-0"



222 Lee Street, West Charleston, West Virginia 25302  
Phone: 304.342.0159 Fax: 304.345.8144  
1116 South Main Street Blacksburg, Virginia 24060  
Phone: 540.552.2151

www.zmm.com www.zmm.com



The drawing, design, and digital files relating to this project are the property of Foresight Design Services. The reproduction, copying, or other use of this drawing without FDS's written consent is prohibited.

**MONTGOMERY COUNTY  
PARKS AND RECREATION  
AUBURN PARK FULL BUILD-OUT**

MONTGOMERY COUNTY, VIRGINIA



**REVISIONS**

NO.	COMMENTS	DATE
1	ADDENDUM	2-27-24
		3-14-24

**PROJECT TEAM**

PIC	TREVOR M. KIMZEY, PE
PM	MATTHEW P. TOMLINSON, PE
DESIGN	CPM

**ISSUE DATE**

1/26/2024

**FDS JOB NO.**

ZMM 2023006

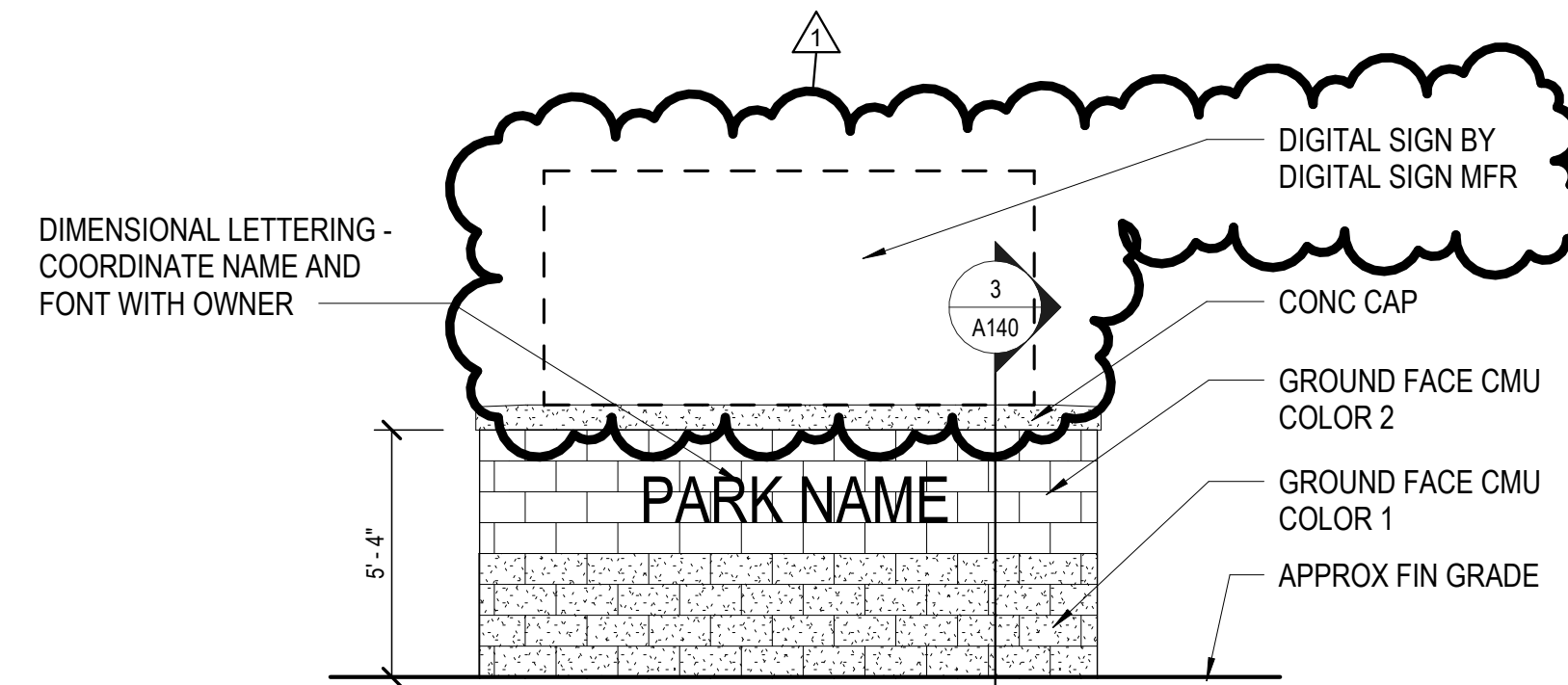
**SHEET TITLE**

PLANS AND ELEVATIONS-  
DUGOUT AND BACKSTOP

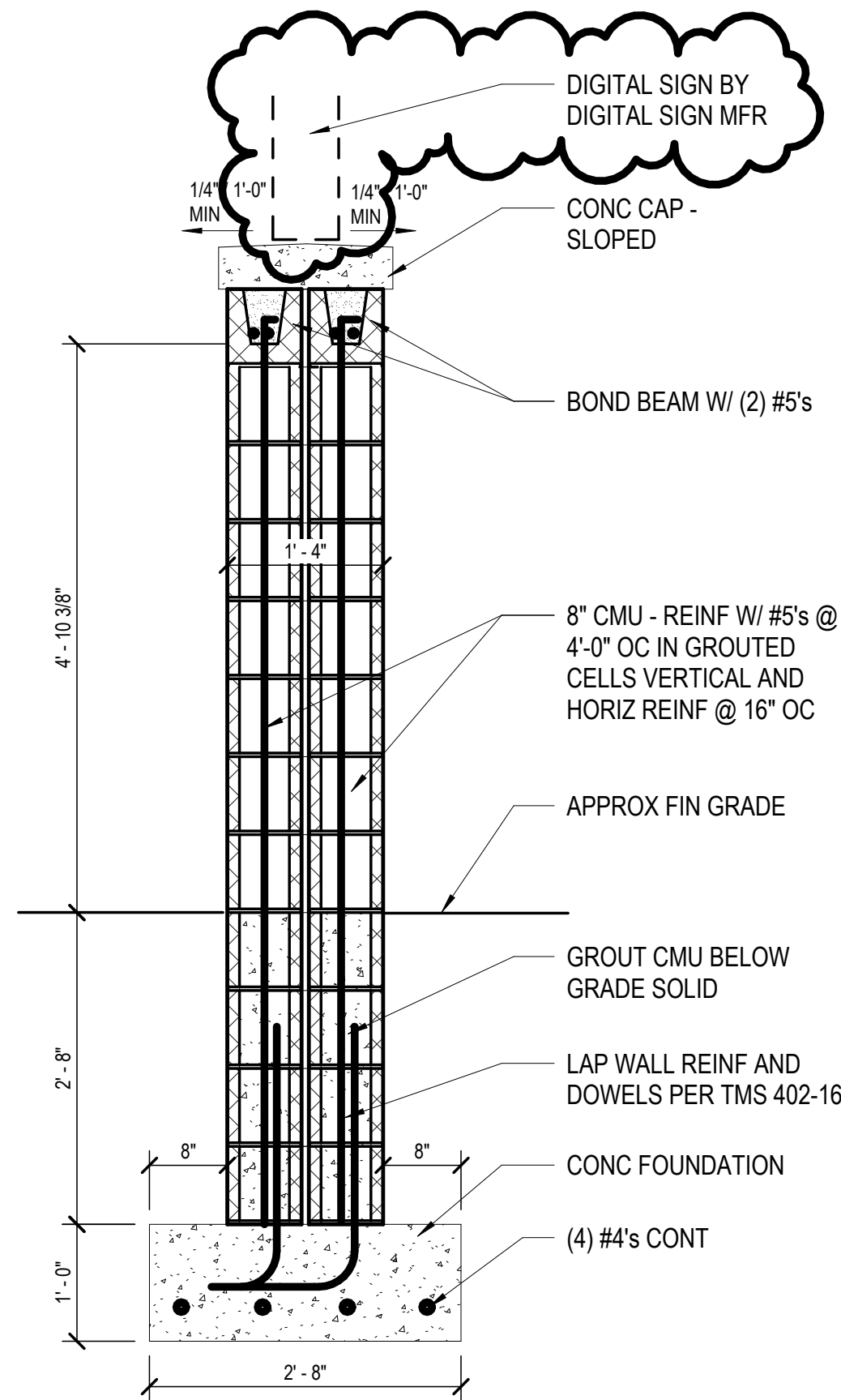
**SHEET NUMBER**

A130



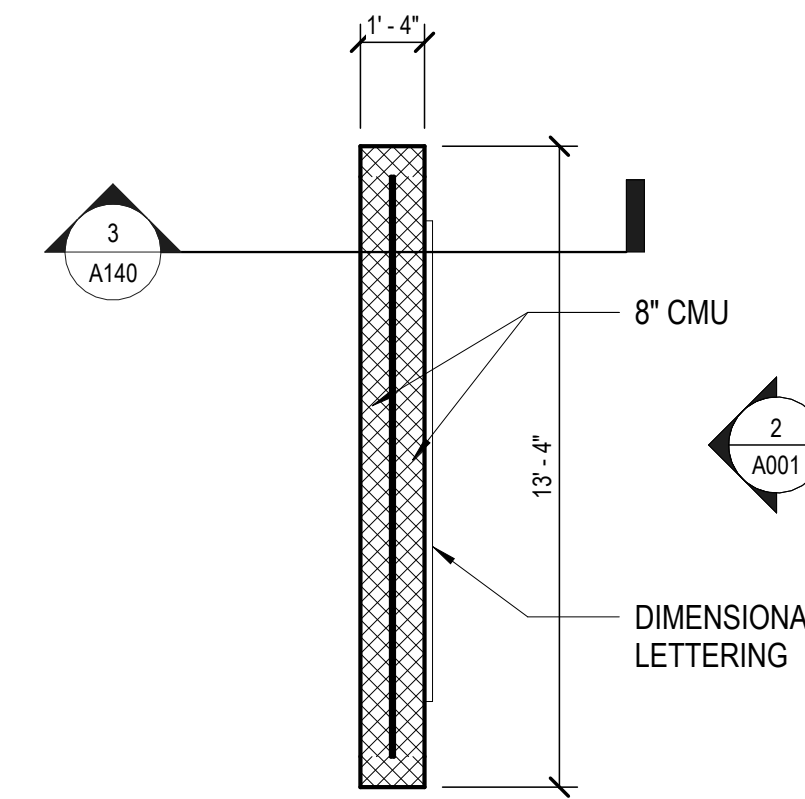


**2 ELEVATION - SIGN**  
A140 1/4" = 1'-0"



**3 SECTION - SIGN**  
A140 3/4" = 1'-0"

- DIGITAL SIGN NOTES:**
1. SIZE: LED PREMANUFACTURED SIGN 4' TALL X 8' LONG
  2. SIGN HAS WIRELESS INTERNET CONNECTION
  3. LED DISPLAY ON BOTH SIDES OF SIGN.
  4. PREMANUFACTURED SIGN PROVIDED AND INSTALLED BY G.C.
  5. SIGN TO BE MOUNTED TO CONCRETE FOUNDATION.
  6. REFER TO SITE PLAN FOR SIGN LOCATION.



**PLAN - SIGN**  
1/4" = 1'-0"

**ZMM ARCHITECTS ENGINEERS**  
 222 Lee Street, West Charleston, West Virginia 25302  
 Phone: 304.342.0159 Fax: 304.345.8144  
 1116 South Main Street Blacksburg, Virginia 24060  
 Phone: 540.552.2151  
 www.zmm.com

**FORE SIGHT DESIGN SERVICES**  
 ENGINEERING • LAND PLANNING • SURVEYING  
 1260 Radford Street Christiansburg, Virginia 24073  
 Phone: (540) 381-6011 Fax: (540) 381-2773  
 Email: info@foresightdesignservices.com Web: www.foresightdesignservices.com

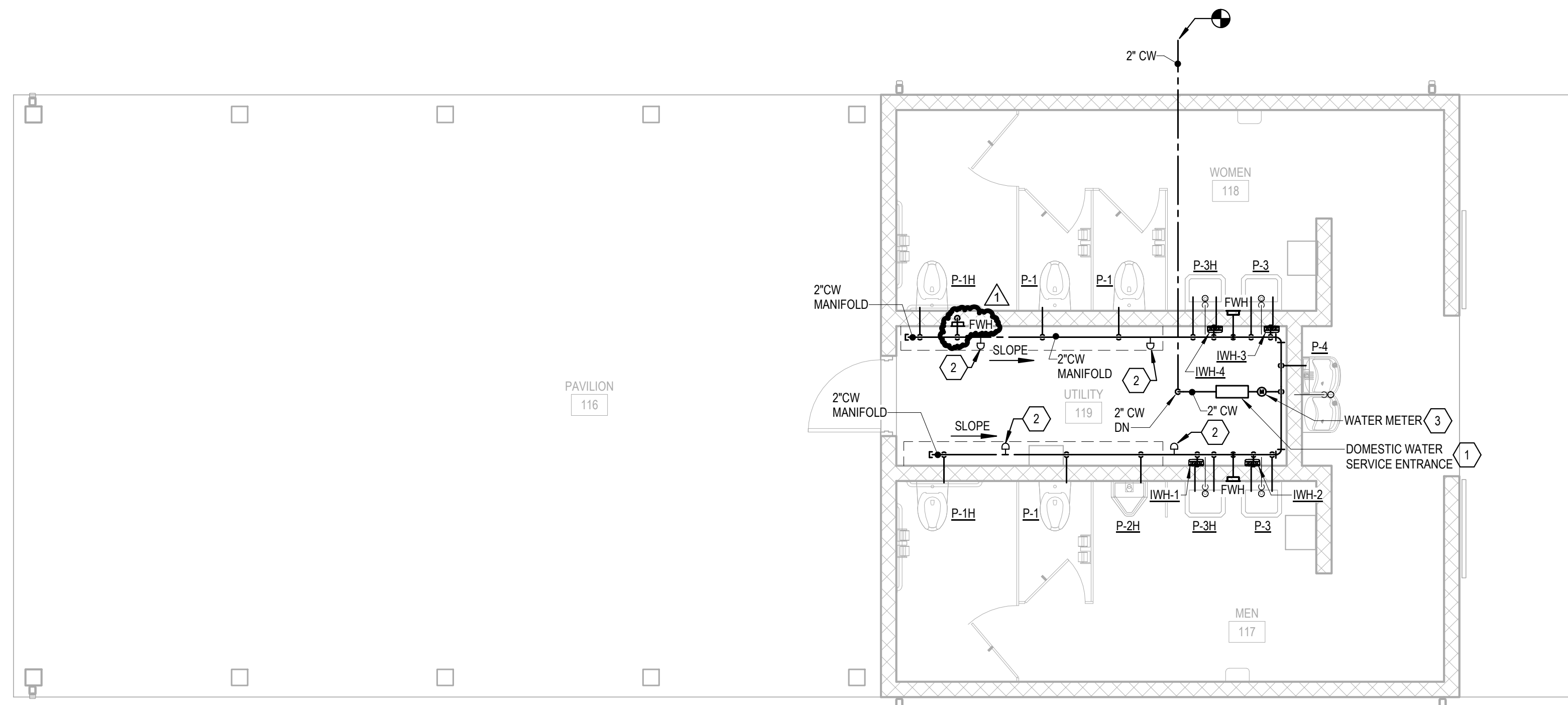
The drawing, design, and digital files relating to this project are the property of Foresight Design Services. The reproduction, copying, or other use of this drawing without FDS's written consent is prohibited.

**MONTGOMERY COUNTY PARKS AND RECREATION AUBURN PARK FULL BUILD-OUT**  
 MONTGOMERY COUNTY, VIRGINIA



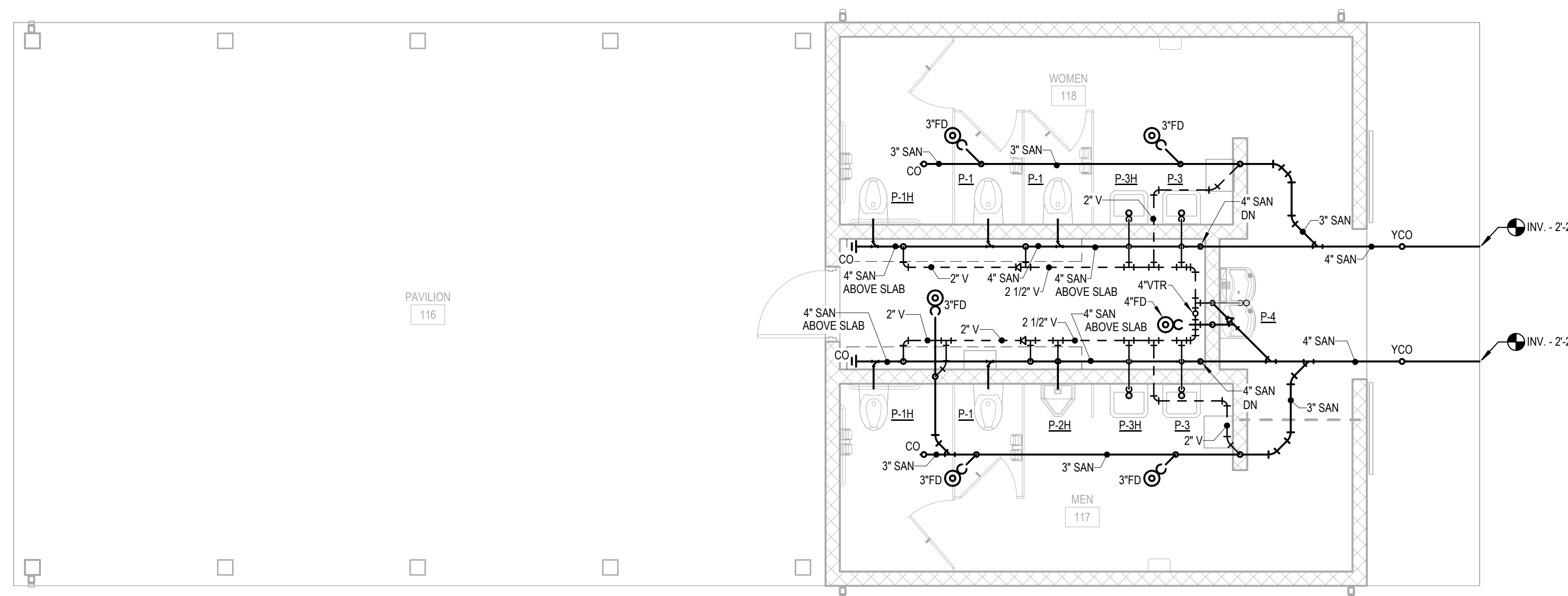
REVISIONS		
NO.	COMMENTS	DATE
1	ADDENDUM	2-27-24
		3-14-24

PROJECT TEAM	
PIC	TREVOR M. KIMZEY, PE
PM	MATTHEW P. TOMLINSON, PE
DESIGN	CPM
ISSUE DATE	
1/26/2024	
FDS JOB NO.	
ZMM 2023006	
SHEET TITLE	
PLAN, ELEVATION AND DETAILS - SIGN	
SHEET NUMBER	
A140	



**DOMESTIC WATER PLAN**

1/4" = 1'-0"



**STORM AND SANITARY PLAN**

1/4" = 1'-0"

**PLUMBING SYMBOLS LEGEND**

- COLD WATER (CW)
- HOT WATER (HW)
- SANITARY SEWER (SAN)
- VENT (V)
- BALL VALVE
- CHECK VALVE
- FLOOR DRAIN
- CONNECTION TO DIV. 33 WORK
- IWH- INSTANTANEOUS ELECTRIC WATER HEATER
- VTR VENT TERMINAL
- FWH FREEZE PROOF WALL HYDRANT
- FD FLOOR DRAIN
- CO CLEAN OUT
- YCO YARD CLEAN OUT
- PRV PRESSURE REDUCING VALVE

**KEYED NOTES**

- 1 REFER TO DOMESTIC WATER SERVICE DIAGRAM ON SHEET P122 FOR PIPE SIZES, PIPING, VALVES, ACCESSORIES, AND PIPING ARRANGEMENTS.
- 2 INSTALL ZURN #300 WATER HAMMER ARRESTOR PER MANUFACTURERS INSTALLATION REQUIREMENTS.
- 3 INSTALL PRM FILTRATION MODEL WM200 NYXX WATER METER IN ACCORDANCE WITH MANUFACTURERS INSTALLATION REQUIREMENTS.

**DOMESTIC WATER DRAIN DOWN SEQUENCE**

1. SHUT-OFF WATER FROM MAIN UTILITY LINE SERVING FACILITY.
2. SHUT-OFF WATER AT WATER SERVICE ENTRANCE.
3. ATTACH UTILITY HOSE TO HOSE END DRAIN VALVE AT DOMESTIC WATER SERVICE ENTRANCE AND EXTEND HOSE TO FLOOR DRAIN AND DRAIN DOMESTIC COLD WATER SYSTEM MAINS.
4. ATTACH UTILITY HOSE TO ALL INTERIOR WALL HYDRANTS AND EXTEND HOSE TO OUTSIDE OF BUILDING AND DRAIN BRANCH LINES.
5. ACTIVATE ALL SENSOR OPERATED FAUCETS TO DRAIN HOT AND COLD WATER BRANCH LINES SERVING ASSOCIATED FIXTURE.
6. TURN ON ELECTRIC WATER COOLER TO DRAIN COLD WATER BRANCH LINES SERVING ASSOCIATED FIXTURE.
7. FLUSH ALL WATER CLOSETS AND URINALS TO DRAIN COLD WATER BRANCH LINES SERVING ASSOCIATED FIXTURE.
8. POUR PROPYLENE GLYCOL DOWN ALL TRAPS SERVING FLOOR DRAINS, BOWL OF WATER CLOSETS, AND URINALS, AND TRAPS OF ALL LAVATORIES TO MAINTAIN TRAP SEAL TO ELIMINATE SEWER GAS FROM ENTERING THE BUILDING.
9. DISCONNECT STAINLESS STEEL SUPPLY HOSE INSIDE LAVATORY SHROUD DIRECTLY DOWNSTREAM OF SHUT OFF VALVE EXTENDING FROM WALL AND DRAIN LINE AS REQUIRED.

**GENERAL NOTES**

1. ALL INVERTS SHOWN ON PLUMBING DRAWINGS ARE BASED ON FINISHED FLOOR ELEVATION OF 0.00' UNLESS NOTED OTHERWISE.
2. INSTALL FULL PORT BALL TYPE SHUT-OFF VALVES ON ALL BRANCH DOMESTIC WATER PIPING OFF MAIN.
3. INSTALL WATER HAMMER ARRESTORS AS PER MANUFACTURERS RECOMMENDATIONS. INSTALL WATER HAMMER ARRESTORS ON ALL BRANCH DOMESTIC WATER LINES SERVING FLUSH VALVES, SENSOR OPERATED FAUCETS DRINKING FOUNTAINS, AND IN ANY QUICK CLOSING SOLENOID ACTUATED VALVE SERVING PLUMBING FIXTURES.
4. ALL DOMESTIC WATER PIPING AND ACCESSORIES, I.E. VALVES, AND BACKFLOW PREVENTERS SHALL MEET NSF-ANSI 61 REQUIREMENTS.
5. ROUTE DRAIN LINE FROM THE RELIEF PORT OF EACH BACKFLOW PREVENTER TO NEAREST FLOOR DRAIN AND TERMINATE WITH AN INDIRECT CONNECTION.
6. DURING CONSTRUCTION, ALL PIPING SHALL BE SEALED ON THE ENDS TO PREVENT EXCESS DUST AND DEBRIS FROM ENTERING THE SYSTEM. SEALING SHALL INVOLVE A PLASTIC FILM COVERING WITH AN ADHESIVE SURFACE OR ELASTIC BAND TO RETRAIN COVER.
7. INSTALL VALVE HANDLE EXTENSIONS ON ALL INSULATED DOMESTIC WATER SHUT-OFF VALVES. REFER TO INSULATED VALVE STEM EXTENSION DETAIL ON THIS DWG FOR ADDITIONAL INFORMATION.
8. SLOPE ALL GRAVITY PIPING OF SIZES 3" DIAMETER AND LARGER AT 1/8" PER FOOT MINIMUM, AND SIZES 2-1/2" AND SMALLER AT 1/4" PER FOOT MINIMUM WHERE NOT OTHERWISE INDICATED.
9. CONTRACTOR SHALL PROVIDE A SMOKE TEST OF THE COMPLETED SANITARY SEWAGE SYSTEM, INCLUDING FIXTURES PRIOR TO FINAL OCCUPANCY OF THE FACILITY.
10. REFER TO THIS SHEET FOR PLUMBING FIXTURE SCHEDULE AND FOOD SERVICE EQUIPMENT SCHEDULES. THIS SCHEDULE INDICATE BRANCH LINE SIZES FOR DOMESTIC AND SANITARY PIPING AND ASSOCIATED ITEMS.
11. DRAWINGS ARE DIAGRAMMATIC; THEREFORE, DETERMINE EXACT INVERT ELEVATIONS, LOCATIONS OF NEW SYSTEMS AND COMPONENTS IN THE FIELD.
12. ALL WORK SHALL BE PERFORMED IN A NEAT, PROFESSIONAL AND SAFE MANNER AND SHALL COMPLY WITH ALL LOCAL, STATE AND FEDERAL CODES.
13. ALL PIPING AND EQUIPMENT SHALL BE IDENTIFIED PER THE SPECIFICATIONS.
14. ALL PLUMBING MATERIALS AND WORK SHALL BE IN ACCORDANCE WITH THE 2018 INTERNATIONAL PLUMBING CODE.
15. "EXPOSED TO VIEW" SHALL REFER TO ANY PIPING VISIBLE FROM FINISHED FLOOR LEVEL.
16. ALL UNINSULATED PIPING EXPOSED TO VIEW SHALL BE PAINTED PER SPECIFICATIONS.

PRELIMINARY NOT FOR CONSTRUCTION

**FORE SIGHT DESIGN SERVICES**  
 ENGINEERING • LAND PLANNING • SURVEYING  
 1200 Radford Street  
 Christiansburg, Virginia 24073  
 Phone: (540) 381-6011  
 Fax: (540) 381-2773  
 Email: info@foresightdesignservices.com  
 Web: www.foresightdesignservices.com

The drawing, design, and digital files relating to this project are the property of Foresight Design Services. The reproduction, copying, or other use of this drawing without FDS's written consent is prohibited.

MONTGOMERY COUNTY  
 PARKS AND RECREATION  
 AUBURN PARK FULL BUILD-OUT  
 MONTGOMERY COUNTY, VIRGINIA




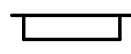
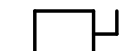



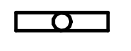



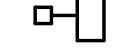
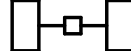


REVISIONS		
NO.	COMMENTS	DATE
1	ADDED WALL HYDRANT	03/15/24

PROJECT TEAM	
PIC	TREVOR M. KIMZEY, PE
PM	MATTHEW P. TOMLINSON, PE
DESIGN	NAK, MKF
ISSUE DATE	
01/29/2024	
FDS JOB NO.	
ZMM 2023006	
SHEET TITLE	
PLUMBING PLAN - PAVILION / RESTROOM BUILDING	
SHEET NUMBER	
P121R1	

**ZMM ARCHITECTS ENGINEERS**  
 222 Lee Street, West Charleston, West Virginia 25302  
 Phone: 304.342.9159 Fax: 304.345.8144  
 1116 South Main Street Blacksburg, Virginia 24060  
 Phone: 540.552.2151  
 www.zmm.com www.zmm.com



## ELECTRICAL LEGEND

	3-PHASE, 4-WIRE PANELBOARD, 480Y/277-VOLT OR 208Y/120-VOLT, MOUNTING HEIGHT = 6'-0" TO TOP. SEE PANELBOARD SCHEDULES.
	PANELBOARD, 208/120-VOLT, 1-PHASE, 3-WIRE, MOUNTING HEIGHT = 6'-0" TO TOP. SEE PANELBOARD SCHEDULES.
	DISCONNECT SWITCH, EXTERNALLY OPERATED, 3-POLE UNLESS OTHERWISE NOTED. 250V RATED FOR 120-240 VOLT CIRCUITS, 600V RATED FOR 277-480 VOLT CIRCUITS. SWITCHES TO BE NON-FUSED UNLESS INDICATED OTHERWISE OR REQUIRED BY CODE. NOTATION WHEN USED INDICATES NUMBER OF POLES AND FUSE AMPERAGE CAPACITY COORDINATE WITH MECHANICAL CONTRACTOR FOR DISCONNECTS TO BE PROVIDED WITH EQUIPMENT.
	BRANCH CIRCUIT HOME RUN TO PANELBOARD. NOTATION INDICATES PANELBOARD & BRANCH CIRCUIT CONNECTION.
	JUNCTION BOX. SEE NOTATION AND PANEL SCHEDULE FOR CONNECTED EQUIPMENT.
	DUPLEX WALL RECEPTACLE, MOUNTING HEIGHT = 1'-6". 'GF' SUBSCRIPT INDICATES GROUND FAULT (GFCI), 'WP' INDICATES GFCI WEATHERPROOF WITH IN-USE WEATHER RESISTANT COVER, 'EWC' INDICATES BEHIND ELECTRIC WATER COOLER ENCLOSURE AND CONNECTED TO GFCI BREAKER. ALL RECEPTACLES ARE TO BE TAMPER-RESISTANT.
	4' LINEAR LIGHTING FIXTURE. LIGHTING FIXTURE SCHEDULE TYPE 'A', 'B', OR 'C'.
	EXTERIOR FULL CUTOFF WALL PACK. TYPE 'D'.
	EMERGENCY LIGHTS WITH BATTERY BACKUP, SURFACE WALL MOUNTED. TYPE 'E'.
	GROUND MOUNTED FLAGPOLE FLOOD LIGHT. TYPE 'F'.
	POLE MOUNTED SITE LIGHTING FIXTURE. TYPE 'S' OR TYPE 'T'. 16' MOUNTING HEIGHT, 3' CONCRETE BASE ABOVE GRADE AND 13' SQUARE POLE.
	DUAL HEAD, 180-DEGREE, POLE MOUNTED SITE LIGHTING FIXTURES. TYPE 'S2'. 16' MOUNTING HEIGHT, 3' CONCRETE BASE ABOVE GRADE AND 13' SQUARE POLE.
	DUAL TECHNOLOGY, OCCUPANCY SENSOR FOR LIGHTING CONTROL.
	SINGLE-POLE SWITCH, MOUNTING HEIGHT = 4'-0" TO TOP. 'M' INDICATES MOTION CONTROLLED, 'WP' INDICATES WEATHERPROOF, 'K' INDICATES KEYED SWITCH.
<b>LEGEND NOTES:</b>	
1. ALL MOUNTING HEIGHTS OF DEVICES ARE TO CENTER OF DEVICE UNLESS INDICATED OTHERWISE. ALL MOUNTING HEIGHTS OF LIGHTING FIXTURES ARE TO BOTTOM OF FIXTURE AND AWAY FROM FINISHED FLOOR.	
2. 'NL' SUBSCRIPT BY LIGHTING FIXTURE INDICATES NIGHTLIGHT TO REMAIN UNSWITCHED. DO NOT PROVIDE GTD FOR NIGHTLIGHT FIXTURES.	
3. 'WP' SUBSCRIPT BY ANY DEVICE INDICATES WEATHERPROOF DEVICE OR COVER.	

## GENERAL NOTES

1. UNLESS INDICATED OTHERWISE, SIZE CONDUITS IN ACCORDANCE WITH NFPA 70.
2. MOUNT OUTLET BOXES SO THAT NONE OCCUR BACK TO BACK IN WALLS.
3. MECHANICAL EQUIPMENT IS SHOWN IN APPROXIMATE LOCATIONS. FOR EXACT LOCATIONS OF MECHANICAL EQUIPMENT AND PIPING, SEE MECHANICAL DRAWINGS.
4. REVISE PANELBOARD SCHEDULES ON AS-BUILT-DRAWING AND PANEL DIRECTORIES TO REFLECT FINAL INSTALLATION CONDITIONS. PANEL DIRECTORIES ARE TO BE TYPED, NOT HANDWRITTEN.
5. FOR 120 VOLT, 20 AMP BRANCH CIRCUITS: USE 12 AWG UP TO 60 FEET, 10 AWG FOR 61-95 FEET, AND 8 AWG FOR CIRCUITS LONGER THAN 96 FEET. CONDUCTORS SHALL BE SAME SIZE FOR ENTIRE LENGTH OF RUN.
6. LOCATE ALL RACEWAYS TO AVOID INTERFERENCE WITH DUCTS, PIPES, MECHANICAL EQUIPMENT, WITH REMOVAL OF CEILING TILES, OR WITH ACCESS TO EQUIPMENT WHICH REQUIRES PERIODIC ADJUSTMENT OR MAINTENANCE.
7. PROVIDE NAMEPLATES ON THE EXTERIOR OF ALL ELECTRICAL PANELS, DISCONNECTS, AND ENCLOSURES WITH THE DEVICE ID, RATING, POWER SOURCE, INSTALLATION DATE, AND BY WHICH SWITCH OR STARTER.
8. NO SHARING OF NEUTRAL CONDUCTORS.
9. COORDINATE WITH THE MECHANICAL / PLUMBING CONTRACTORS TO ENSURE ALL WORKING CLEARANCE AND DEDICATED WORKING SPACE OF PANELBOARDS.
10. ALL UNDERGROUND CONDUITS NEED PULL CORDS / ROPES SUITABLE FOR WIRE TO BE INSTALLED.
11. PROVIDE A LABEL ON BACK SIDE OF ALL RECEPTACLE AND SWITCH FACE PLATES INDICATING WHICH PANELBOARD AND CIRCUIT FEEDS THAT DEVICE.
12. GROUNDING CONDUCTORS ARE NOT INDICATED IN BRANCH CIRCUIT RACEWAYS. PROVIDE GROUND CONDUCTORS AS REQUIRED BY NEC.
13. ALL LIGHT FIXTURE MANUFACTURES ARE LISTED TO ESTABLISH STANDARD REQUIREMENTS FOR PERFORMANCE, MATERIAL AND APPEARANCE. PROVIDE SPECIFIED FIXTURE OR EQUAL.
14. OCCUPANCY SENSORS SHOULD CONTROL ALL LIGHTING IN ROOMS, UNLESS INDICATED OTHERWISE.
15. PROVIDE PLASTIC BUSHING ON THE END OF ALL CONDUIT.
16. COORDINATE WITH UTILITY FOR MAXIMUM AVAILABLE FAULT CURRENT AT SERVICE ENTRANCE. PROVIDE RATING TO ENGINEER FOR APPROVAL PRIOR TO PURCHASING EQUIPMENT. FIELD MARK SERVICE ENTRANCE EQUIPMENT WITH RATING RECEIVED FROM UTILITY AND DATE CALCULATED.
17. ALL UNDERGROUND CONDUITS ARE TO BE SCHEDULE 40 PVC, EXCEPT SCHEDULE 80 PVC WHERE LOCATED UNDER PAVEMENT OR CONCRETE. TRANSITION TO RIGID BEFORE COMING ABOVE GRADE.

### ELECTRICAL ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR	MLO	MAIN LUGS ONLY
C	CONDUIT	NF	NON-FUSED
CB	CIRCUIT BREAKER	NL	NIGHTLIGHT
ELEC	ELECTRICAL	OS	OCCUPANCY SENSOR
EMG	EMERGENCY	PNL	PANEL
EQUIP	EQUIPMENT	RCPT	RECEPTACLE
EWC	ELECTRIC WATER COOLER	SCH	SCHEDULE
G	GROUND	SWBD	SWITCHBOARD
GF / GFI	GROUND FAULT INTERRUPTER	TYP	TYPICAL
JB	JUNCTION BOX	UNO	UNLESS NOTED OTHERWISE
LTG	LIGHTING	WAP	WIRELESS ACCESS POINT
MECH	MECHANICAL	WP	WEATHERPROOF
MCB	MAIN CIRCUIT BREAKER	XFMR	TRANSFORMER
M.H.	MOUNTING HEIGHT		

### CODES & STANDARDS

NFPA 70: NATIONAL ELECTRICAL CODE	2020
NFPA 72: NATIONAL FIRE ALARM AND SIGNALING CODE	2016
VECC: VIRGINIA ENERGY CONSERVATION CODE	2020

### LIGHTING FIXTURE SCHEDULE

FIXTURE TYPE	MANUFACTURER	MODEL	LAMP TYPE	LUMENS	WATTS	VOLTS	MOUNTING	DESCRIPTION
A	LUMINAIRE LED	VPF4 4FT NODIM 40W 40K MVOLT CLP WHT	LED	4600	42	120	SURFACE	4"x4' VANDAL RESISTANT LINEAR, ALUMINUM HOUSING, POLYCARBONATE LENS, DAMP LOCATION LISTED, WHITE FINISH.
B	LUMINAIRE LED	VPF4 4FT NODIM 50W 40K MVOLT CLP WHT	LED	5600	55	120	SURFACE	4"x4' VANDAL RESISTANT LINEAR, ALUMINUM HOUSING, POLYCARBONATE LENS, DAMP LOCATION LISTED, WHITE FINISH.
C	LITHONIA	ZL1N L48 5000LM FST MVOLT 40K 80CRI WH	LED	5000	34	120	SURFACE	4' GENERAL PURPOSE INDUSTRIAL STRIP LIGHT WITH FROSTED LENS.
D	LITHONIA	WPX1 LED P2 40K MVOLT DBLXD	LED	2900	24	120	WALL	BLACK FINISH, LOW PROFILE, FULL CUTOFF, DARK SKIES COMPLIANT, EXTERIOR WALL PACK.
E	LITHONIA	EU2C M6	LED	N/A	1	120	WALL	EMERGENCY BATTERY WALL PACK, TWO-HEAD, WHITE FINISH.
F	LITHONIA	DSXF2 P2 40K 70CRI MSP MVOLT PE VG DBLXD	LED	10000	80	277	GROUND	BLACK, GROUND BOX MOUNTED FLAGPOLE SPOTLIGHT WITH INTEGRAL PHOTOCONTROL AND VANDAL GUARD LENS.
G	HYDREL	4750 2FT 500LMF 40K MVOLT MFL EA18 HVSR BL	LED	2600	21	120	SURFACE	IP67 LINEAR FLOOD, 18" ARM MOUNTED TO MONUMENT SIGN FACE, TOP HALF VISOR, BLACK FINISH.
S	LITHONIA	DSX0 LED P4 40K 80CRI T3M MVOLT SPA PIR DBLXD	LED	11100	93	277	POLE	BLACK, FULL CUTOFF, DARK SKIES COMPLIANT, TYPE 3 MEDIUM DISTRIBUTION, SQUARE POLE MOUNTED SITE LIGHTING FIXTURE. HIGH/LOW MOTION SENSOR WITH INTEGRAL PHOTOCELL, FIXTURE DIMS WHEN NO OCCUPANCY IS DETECTED.
S2	LITHONIA	DSX0 LED P4 40K 80CRI T3M MVOLT SPA PIR DBLXD	LED	2x (11100)	2x (93)	277	POLE	DUAL HEAD - 180 DEGREE MOUNTING, BLACK, FULL CUTOFF, DARK SKIES COMPLIANT, TYPE 3 MEDIUM DISTRIBUTION, SQUARE POLE MOUNTED SITE LIGHTING FIXTURE. HIGH/LOW MOTION SENSOR WITH INTEGRAL PHOTOCELL, FIXTURE DIMS WHEN NO OCCUPANCY IS DETECTED.
T	LITHONIA	DSX0 LED P4 40K 80CRI BLC3 MVOLT SPA PIR DBLXD	LED	8100	93	277	POLE	BLACK, FULL CUTOFF, DARK SKIES COMPLIANT, TYPE 3 BACKLIGHT CONTROL DISTRIBUTION, SQUARE POLE MOUNTED SITE LIGHTING FIXTURE. HIGH/LOW MOTION SENSOR WITH INTEGRAL PHOTOCELL, FIXTURE DIMS WHEN NO OCCUPANCY IS DETECTED.

**FORE SIGHT**  
DESIGN SERVICES

ENGINEERING • LAND PLANNING • SURVEYING

1260 Radford Street  
Christiansburg, Virginia  
24073  
Phone: (540) 381-6011  
Fax: (540) 381-2773  
Email: info@foresightdesignservices.com  
Web: www.foresightdesignservices.com

The drawing, design, and digital files relating to this project are the property of Foresight Design Services. The reproduction, copying, or other use of this drawing without FDS's written consent is prohibited.

MONTGOMERY COUNTY  
PARKS AND RECREATION  
AUBURN PARK FULL BUILD-OUT

MONTGOMERY COUNTY, VIRGINIA



#### REVISIONS

NO.	COMMENTS	DATE
1	ADDENDUM REISSUED	02/28/2024
2	ADDENDUM REISSUED	03/14/2024

#### PROJECT TEAM

PIC	TREVOR M. KIMZEY, PE	
PM	MATTHEW P. TOMLINSON, PE	
DESIGN	TFK	

#### ISSUE DATE

1/26/2023

#### FDS JOB NO.

ZMM 2023006

#### SHEET TITLE

GENERAL NOTES  
& LEGEND

#### SHEET NUMBER

E000

2  
SHEET ISSUED  
IN ADDENDUM

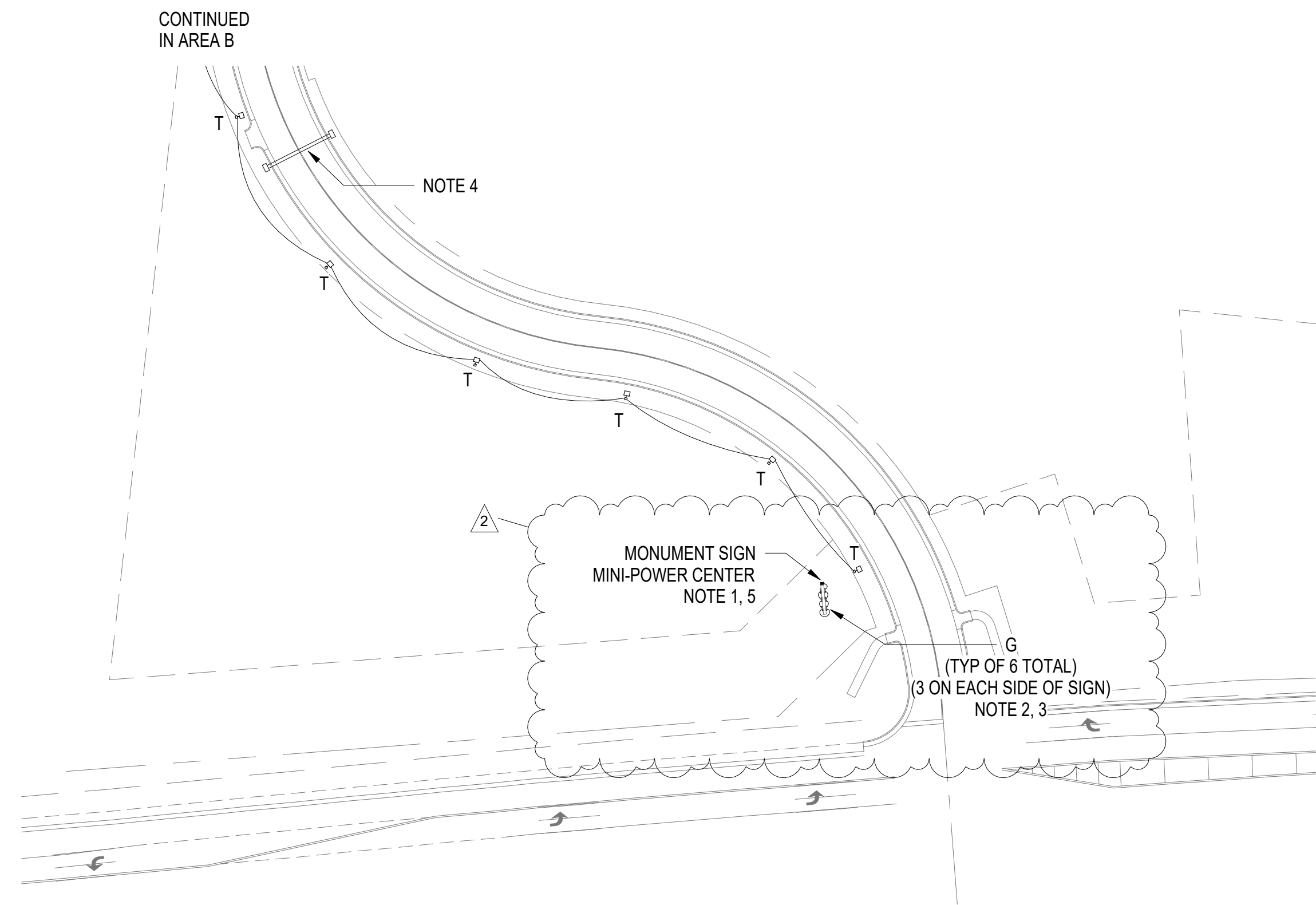
ZMM

ARCHITECTS  
ENGINEERS

222 Lee Street, West Charleston, West Virginia 25302  
Phone: 304.342.0159 Fax: 304.345.8144

1116 South Main Street Blacksburg, Virginia 24060  
Phone: 540.552.2151

www.zmm.com

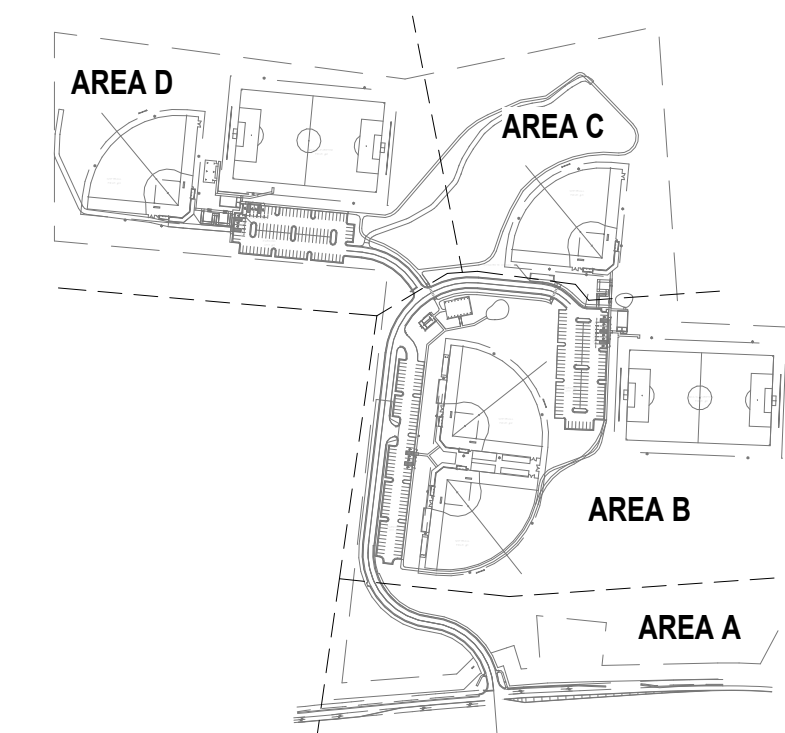


**ELECTRICAL NEW WORK SITE PLAN - AREA A**

1" = 50'-0"

**NOTES THIS SHEET:**

1. PROVIDE LOCKABLE MINI-POWER CENTER AT BACK EDGE OF MONUMENT SIGN, OPPOSITE END AWAY FROM ENTRY ROAD. 277V TO 240/120V, 5KVA RATED, NEMA 3R ENCLOSURE, 20A/1P PRIMARY BREAKER, 20A/2P SECONDARY BREAKER. POWER CENTER IS TO CONTAIN (3) 20A/1P BRANCH BREAKERS TO POWER: CRADLEPOINT WIFI UNIT ON SIGN, DIGITAL DISPLAY ON SIGN, SIGN MOUNTED LIGHTING.
2. COORDINATE CONDUIT ROUTING AND MOUNTING OF MONUMENT SIGN LIGHTING WITH MONUMENT SIGN INSTALLATION. ALL CONDUIT AND CABLING IS TO BE CONCEALED. PROVIDE FIXTURE SPECIFIED FEED CABLE TO CONNECT EACH FIXTURE. PROVIDE 120V STEM PHOTOCELL ABOVE MINI-POWER CENTER TO CONTROL TYPE 'G' SIGN LIGHTING FIXTURE CIRCUIT.
3. TYPE 'G' ARM MOUNT LINEAR FIXTURES ARE TO BE MOUNTED TO FACE OF MONUMENT SIGN. HORIZONTALLY (1) CENTERED ON SIGN AND REMAINING (2) 4'-0" OFF CENTER OF SIGN TO CENTER OF EACH FIXTURE. VERTICALLY 1'-0" ABOVE FINISHED GRADE TO CENTER OF ARM MOUNT. ADJUST AIM AFTER INSTALLATION FOR IDEAL EVEN ILLUMINATION OF SIGN AND ZERO LIGHT BLEED FROM SITE, MINIMIZE LIGHT BLEED ONTO DIGITAL DISPLAY ABOVE.
4. PROVIDE (2) 4" SPARE SCH 80 PVC CONDUITS UNDER ROADWAY TO CONCRETE GROUND BOX FLUSH WITH GRADE ON BOTH SIDES OF ROADWAY. PROVIDE PULL ROPE THROUGH ENTIRE LENGTH. CONDUITS ARE FOR FUTURE COMMUNICATIONS ROUTING UNDERNEATH ROADWAY.
5. SIGN WIDTH IS 16", BASIS-OF-DESIGN POWER CENTER IS 11" WIDE; IF FINAL PRODUCT SUBMITTED IS TO BE WIDER THAN SIGN WIDTH: RELOCATE TO MOUNT ON FREESTANDING RACK CONSTRUCTED OF GALVANIZED STEEL BEAMS IN 2 FEET OF CONCRETE. HORIZONTAL MEMBERS SHALL BE GALVANIZED ANGLES. COORDINATE EXACT LOCATION WITH OWNER, APPROXIMATELY 10' AWAY FROM SIGN, RACK SHALL NOT BLOCK VISIBILITY OF SIGN FROM ROADWAYS.



**SITE KEY PLAN**

**ZMM ARCHITECTS ENGINEERS**  
 222 Lee Street, West Charleston, West Virginia 25302  
 Phone: 304.342.0159 Fax: 304.345.8144  
 www.zmm.com

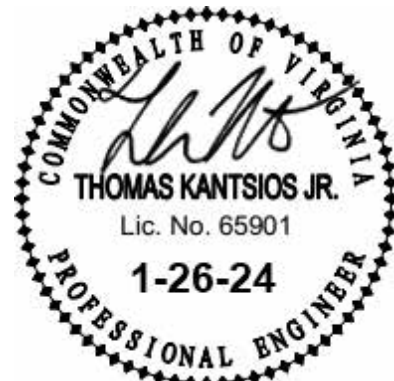
1116 South Main Street Blacksburg, Virginia 24060  
 Phone: 540.552.2151  
 www.zmm.com

2  
 SHEET REISSUED IN ADDENDUM

**FORE SIGHT DESIGN SERVICES**  
 ENGINEERING • LAND PLANNING • SURVEYING  
 1260 Radford Street  
 Christiansburg, Virginia 24073  
 Phone: (540) 381-6011  
 Fax: (540) 381-2773  
 Email: info@foresightdesignservices.com  
 Web: www.foresightdesignservices.com

The drawing, design, and digital files relating to this project are the property of Foresight Design Services. The reproduction, copying, or other use of this drawing without FDS's written consent is prohibited.

**MONTGOMERY COUNTY PARKS AND RECREATION**  
**AUBURN PARK FULL BUILD-OUT**  
 MONTGOMERY COUNTY, VIRGINIA



**REVISIONS**

NO.	COMMENTS	DATE
1	ADDENDUM REISSUED	02/28/2024
2	ADDENDUM REISSUED	03/14/2024

**PROJECT TEAM**

PIC	TREVOR M. KIMZEY, PE
PM	MATTHEW P. TOMLINSON, PE
DESIGN	TFK

**ISSUE DATE**

1/26/2023

**FDS JOB NO.**

ZMM 2023006

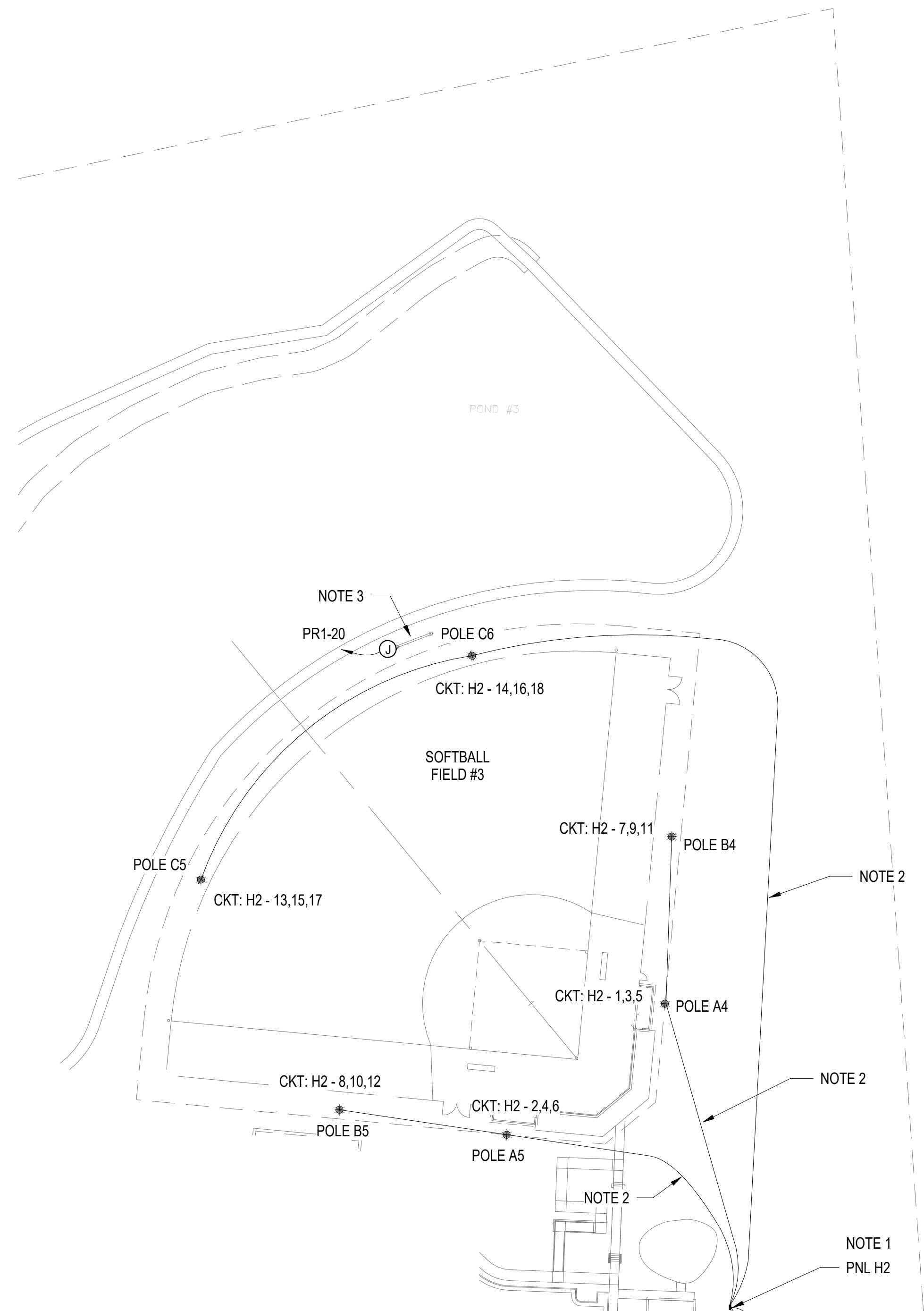
**SHEET TITLE**

ELECTRICAL SITE PLAN  
 AREA A

**SHEET NUMBER**

E110



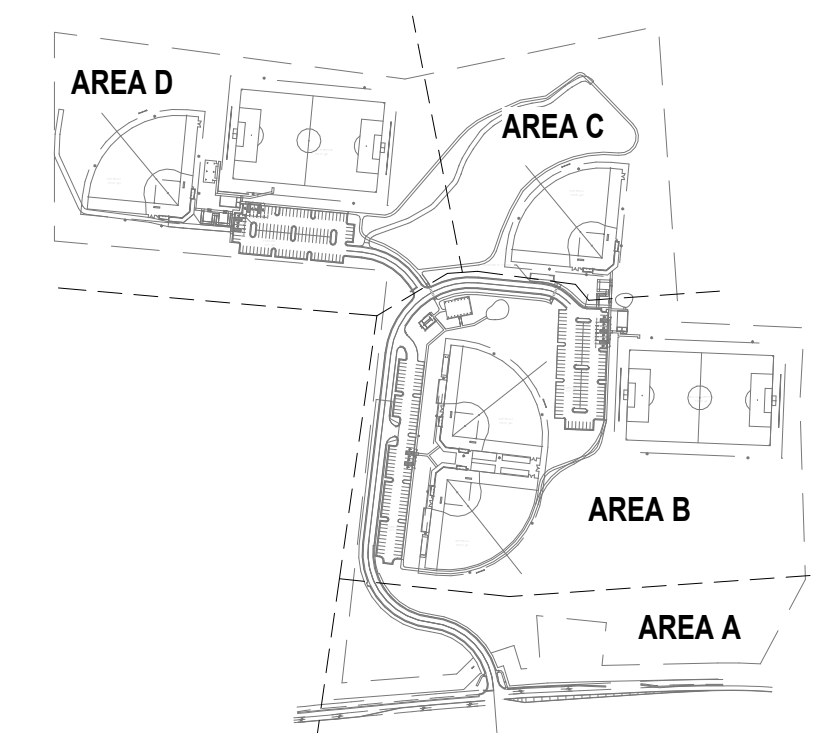


**ELECTRICAL NEW WORK SITE PLAN - AREA C**

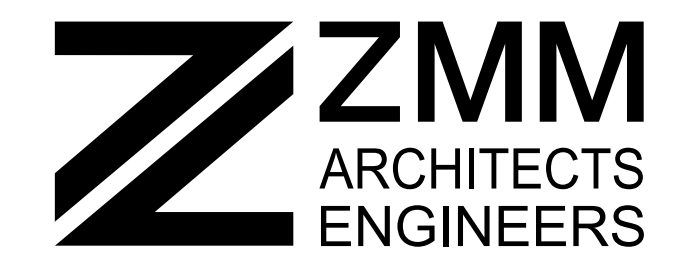
1" = 50'-0"

**NOTES THIS SHEET:**

- SPORTS FIELD LIGHTING POLES ARE TO BE CIRCUITED THROUGH LIGHTING CONTROL PANEL CONTACTORS. CONTROL PANEL IS TO BE INSTALLED ADJACENT TO ELECTRICAL PANEL. SEE AREA B FOR ADDITIONAL INFORMATION ON PANEL, MOUNTING, AND CIRCUITING.
- ROUTE (2) SPORTS FIELD LIGHTING CIRCUITS THROUGH EACH CONDUIT. PROVIDE 1 1/2" CONDUIT FROM PANEL TO FIRST POLE, THEN PROVIDE 1" CONDUIT FROM JUNCTION BOX AT FIRST POLE TO SECOND POLE. PROVIDE #8 CONDUCTORS AND #8 GROUND WIRING THROUGH ENTIRE LENGTH FOR BOTH CIRCUITS. PROVIDE FLUSH GROUND BOXES AS NECESSARY PER NEC AND PULLING CONVENIENCE. LOCATE ALL GROUND BOXES OUTSIDE OF PAVEMENT, CONCRETE, OR LANDSCAPING. CONDUITS ARE TO BE ROUTED AROUND PERIMETER OF FIELDS, NO CONDUITS SHALL ROUTE UNDER PLAYING FIELD.
- PROVIDE CIRCUIT TO SCOREBOARD FROM 20A/1P BREAKER IN NEAREST 120V PANEL PR1. PROVIDE 1" SPARE CONDUIT FROM SCOREBOARD LOCATION BACK TO DUGOUT FOR CONTROL CABLING.



**SITE KEY PLAN**



222 Lee Street, West Charleston, West Virginia 25302  
 Phone: 304.342.0159 Fax: 304.345.8144  
 1116 South Main Street Blacksburg, Virginia 24060  
 Phone: 540.552.2151

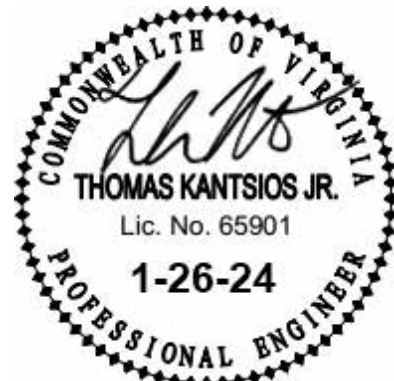
www.zmm.com

SHEET REISSUED IN ADDENDUM

**FORE SIGHT DESIGN SERVICES**  
 ENGINEERING • LAND PLANNING • SURVEYING  
 1260 Radford Street  
 Christiansburg, Virginia 24073  
 Phone: (540) 381-6011  
 Fax: (540) 381-2773  
 Email: info@foresightdesignservices.com  
 Web: www.foresightdesignservices.com

The drawing, design, and digital files relating to this project are the property of Foresight Design Services. The reproduction, copying, or other use of this drawing without FDS's written consent is prohibited.

**MONTGOMERY COUNTY PARKS AND RECREATION AUBURN PARK FULL BUILD-OUT**  
 MONTGOMERY COUNTY, VIRGINIA



**REVISIONS**

NO.	COMMENTS	DATE
1	ADDENDUM REISSUED	02/28/2024
2	ADDENDUM REISSUED	03/14/2024

**PROJECT TEAM**

PIC	TREVOR M. KIMZEY, PE
PM	MATTHEW P. TOMLINSON, PE
DESIGN	TFK

**ISSUE DATE**

1/26/2023

**FDS JOB NO.**

ZMM 2023006

**SHEET TITLE**

ELECTRICAL SITE PLAN  
 AREA C

**SHEET NUMBER**

E130



The drawing, design, and digital files relating to this project are the property of Foresight Design Services. The reproduction, copying, or other use of this drawing without FDS's written consent is prohibited.

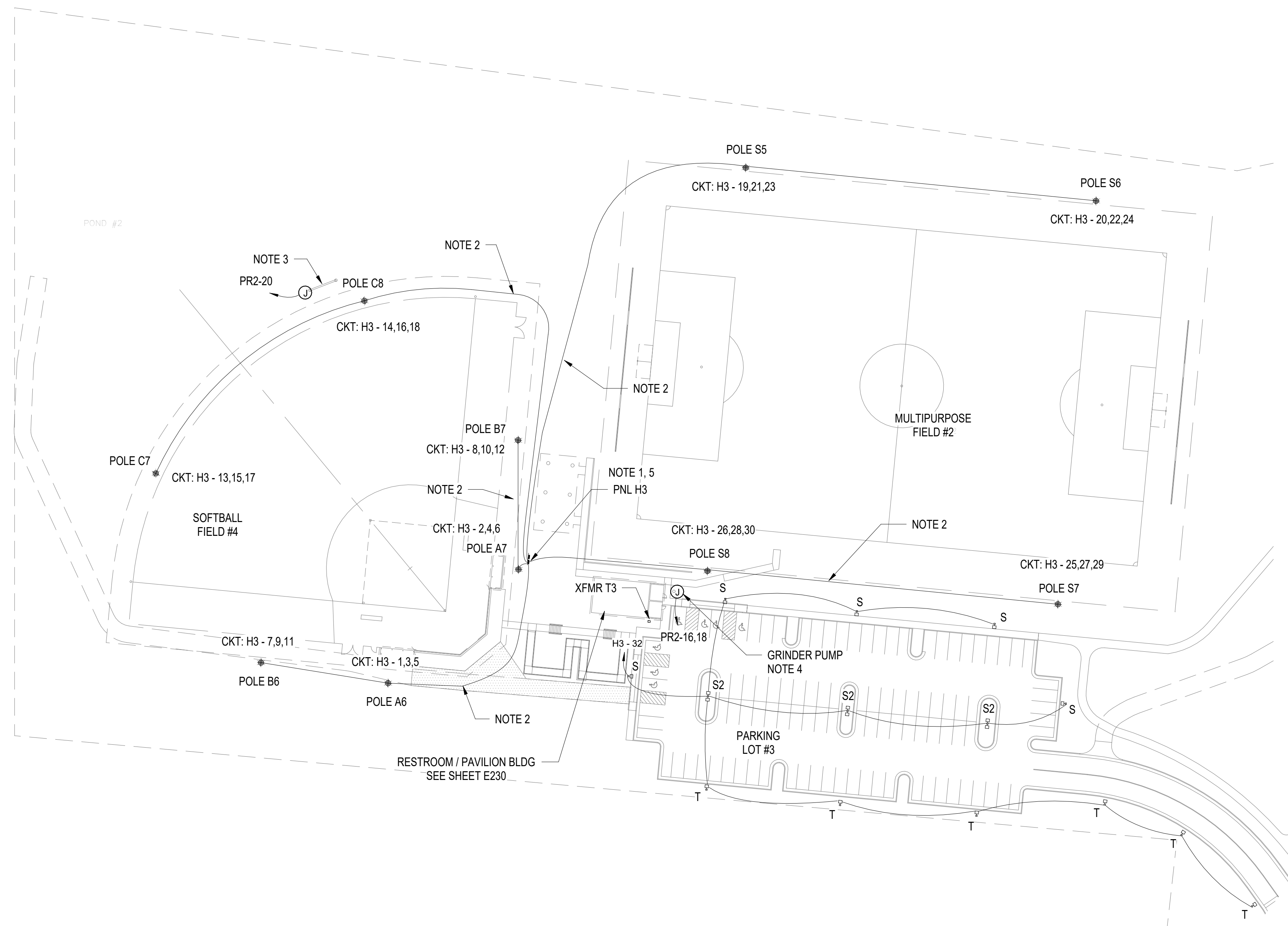
**MONTGOMERY COUNTY  
PARKS AND RECREATION  
AUBURN PARK FULL BUILD-OUT**

MONTGOMERY COUNTY, VIRGINIA



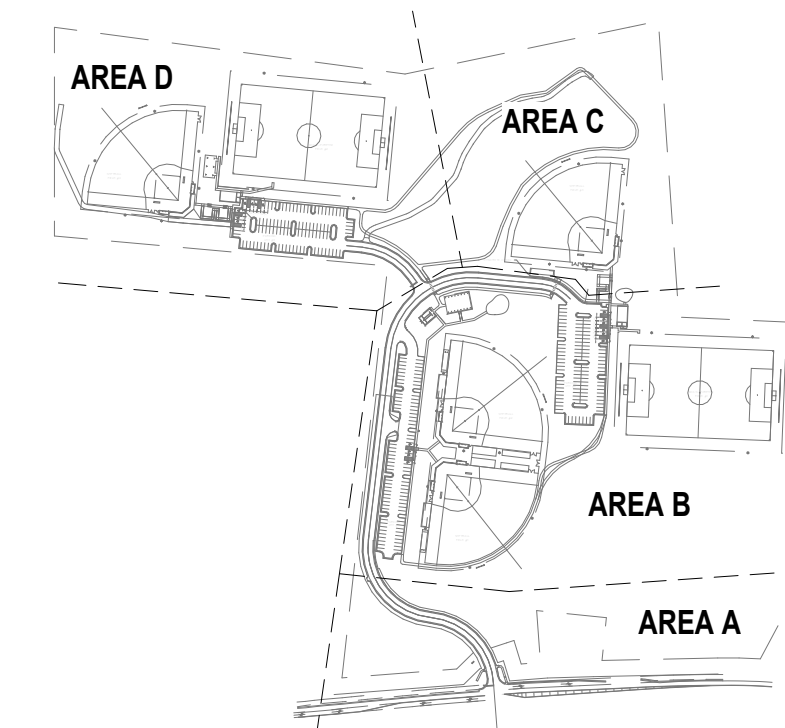
**NOTES THIS SHEET:**

- SPORTS FIELD LIGHTING POLES ARE TO BE CIRCUITED THROUGH LIGHTING CONTROL PANEL CONTACTORS. CONTROL PANEL IS TO BE INSTALLED ADJACENT TO ELECTRICAL PANEL. COORDINATE INSTALLATION REQUIREMENTS WITH MUSCO FIELD LIGHTING LAYOUT AND CONTROL SEQUENCING. PROVIDE 120V POWER TO CONTROL PANEL FROM 20A/1P BREAKER IN NEAREST 120V PANEL PR2.
- ROUTE (2) SPORTS FIELD LIGHTING CIRCUITS THROUGH EACH CONDUIT. PROVIDE 1 1/2" CONDUIT FROM PANEL TO FIRST POLE, THEN PROVIDE 1" CONDUIT FROM JUNCTION BOX AT FIRST POLE TO SECOND POLE. PROVIDE #8 CONDUCTORS AND #8 GROUND WIRING THROUGH ENTIRE LENGTH FOR BOTH CIRCUITS. PROVIDE FLUSH GROUND BOXES AS NECESSARY PER NEC AND PULLING CONVENIENCE. LOCATE ALL GROUND BOXES OUTSIDE OF PAVEMENT, CONCRETE, OR LANDSCAPING. CONDUITS ARE TO BE ROUTED AROUND PERIMETER OF FIELDS, NO CONDUITS SHALL ROUTE UNDER PLAYING FIELD.
- PROVIDE CIRCUIT TO SCOREBOARD FROM 20A/1P BREAKER IN NEAREST 120V PANEL PR2. PROVIDE 1" SPARE CONDUIT FROM SCOREBOARD LOCATION BACK TO DUGOUT FOR CONTROL CABLING.
- PROVIDE CIRCUIT TO GRINDER PUMP FROM 20A/2P BREAKER IN NEAREST 240V PANEL PR2. PROVIDE 1" SPARE CONDUIT FROM PUMP TO PUMP CONTROL PANEL LOCATION FOR CONTROL WIRING ROUTING.
- PROVIDE RACK CONSTRUCTED OF GALVANIZED STEEL BEAMS IN 2 FEET OF CONCRETE FOR MOUNTING OF ELECTRICAL PANELS. HORIZONTAL MEMBERS SHALL BE GALVANIZED ANGLES.

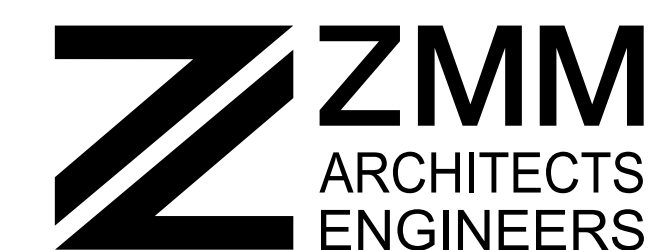


**ELECTRICAL NEW WORK SITE PLAN - AREA D**

1" = 50'-0"



**SITE KEY PLAN**



222 Lee Street, West Charleston, West Virginia 25302  
Phone: 304.342.0159 Fax: 304.345.8144  
1116 South Main Street Blacksburg, Virginia 24060  
Phone: 540.552.2151

www.zmm.com

SHEET REISSUED IN ADDENDUM

**REVISIONS**

NO.	COMMENTS	DATE
1	ADDENDUM REISSUED	02/28/2024
2	ADDENDUM REISSUED	03/14/2024

**PROJECT TEAM**

PIC	TREVOR M. KIMZEY, PE
PM	MATTHEW P. TOMLINSON, PE
DESIGN	TFK

**ISSUE DATE**

1/26/2023

**FDS JOB NO.**

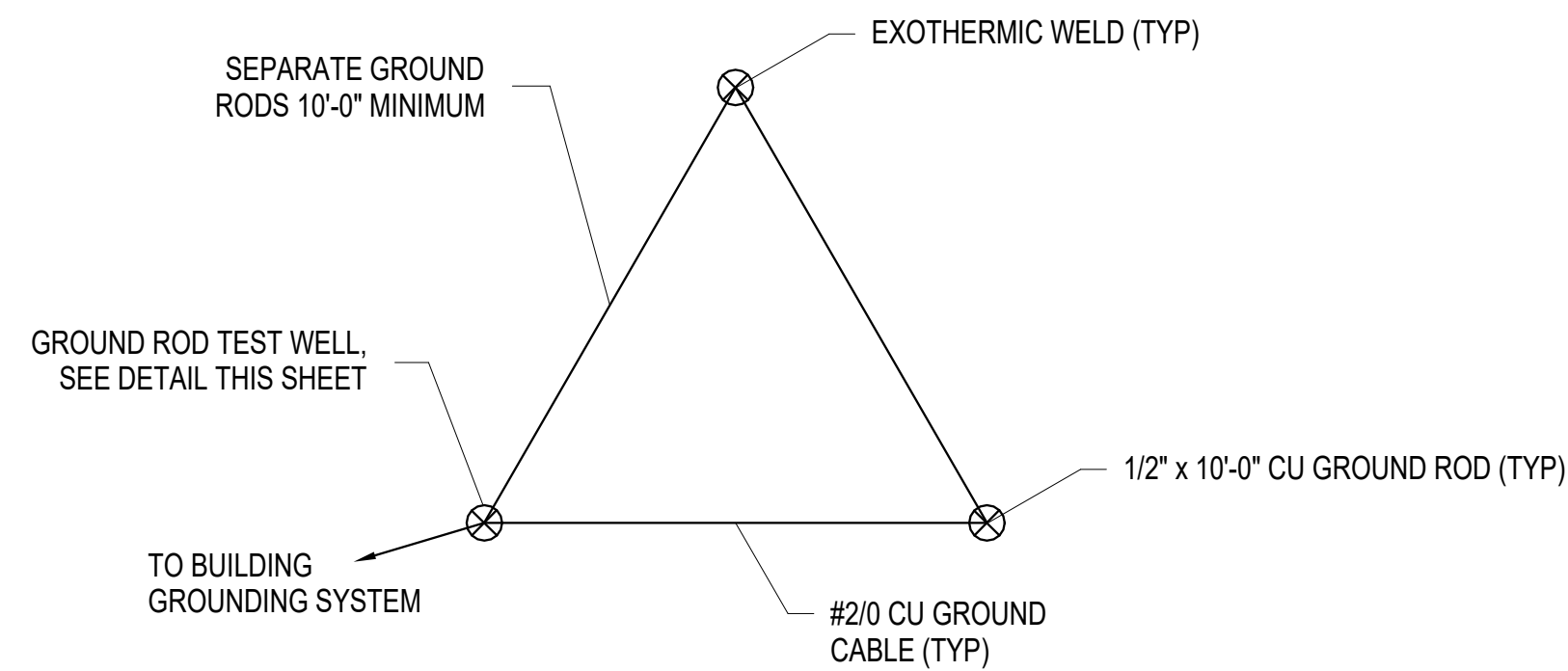
ZMM 2023006

**SHEET TITLE**

ELECTRICAL SITE PLAN  
AREA D

**SHEET NUMBER**

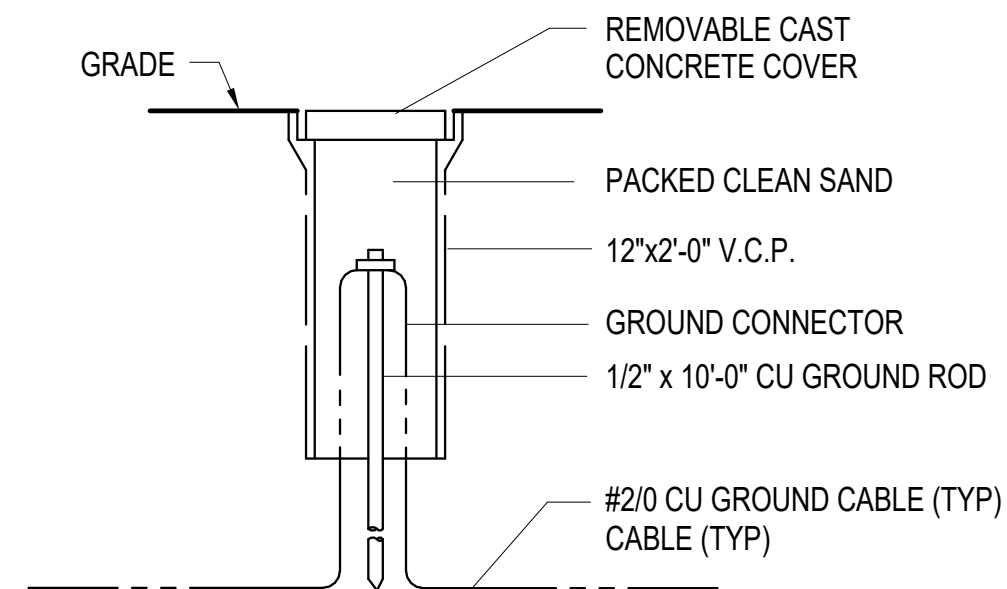
E140



NOTE: FIELD COORDINATE EXACT LOCATION OF DELTA GROUND AND TEST WELL ON SITE WITH CIVIL PLANS AND OWNER. WIRE LENGTH TO FIRST ROD TO BE AS SHORT AS PRACTICAL, MAXIMUM OF 20' FROM GROUND BUS IN MAIN PANEL TO ROD.

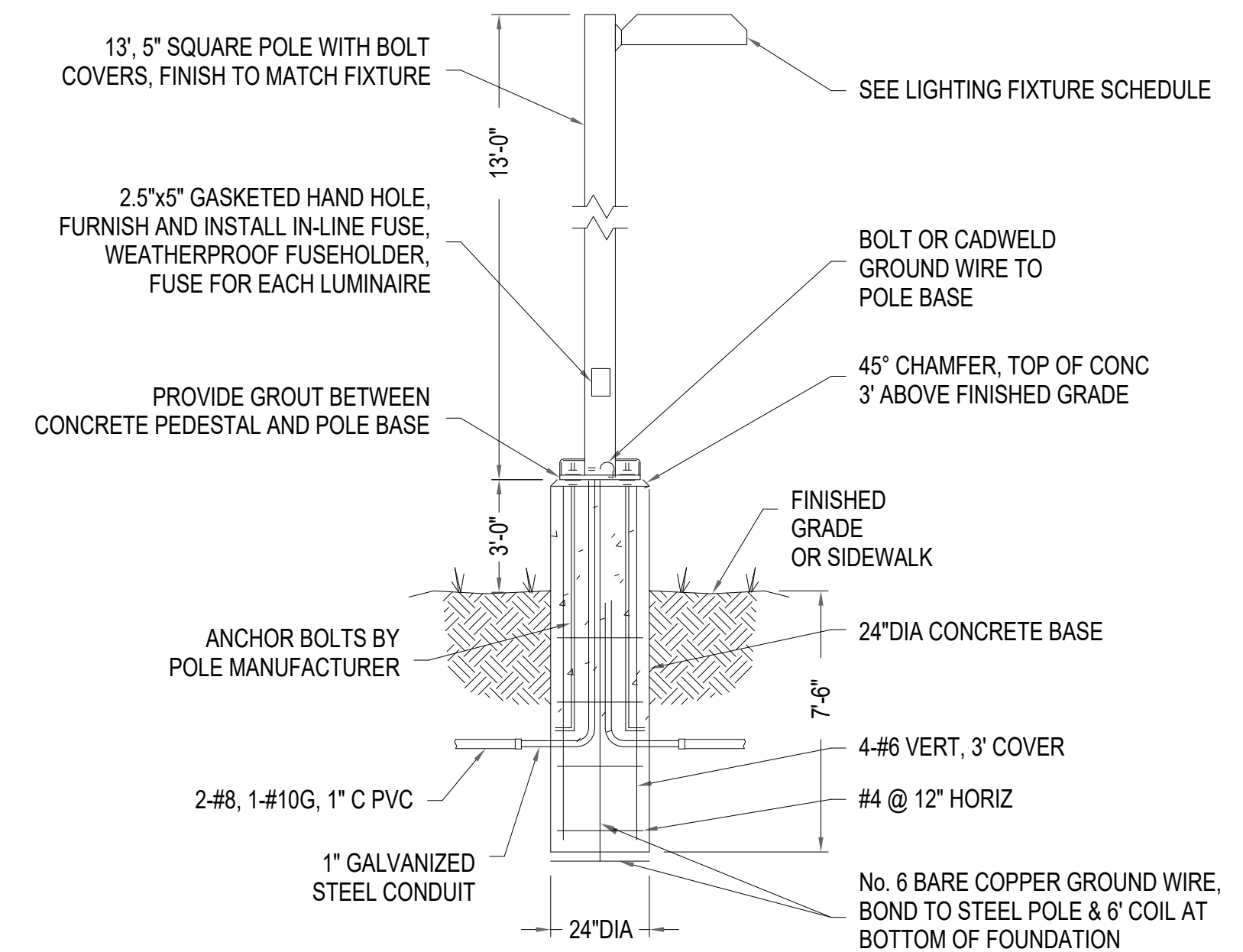
### DELTA GROUND PLAN

12" = 1'-0"



### GROUND ROD TEST WELL

NO SCALE

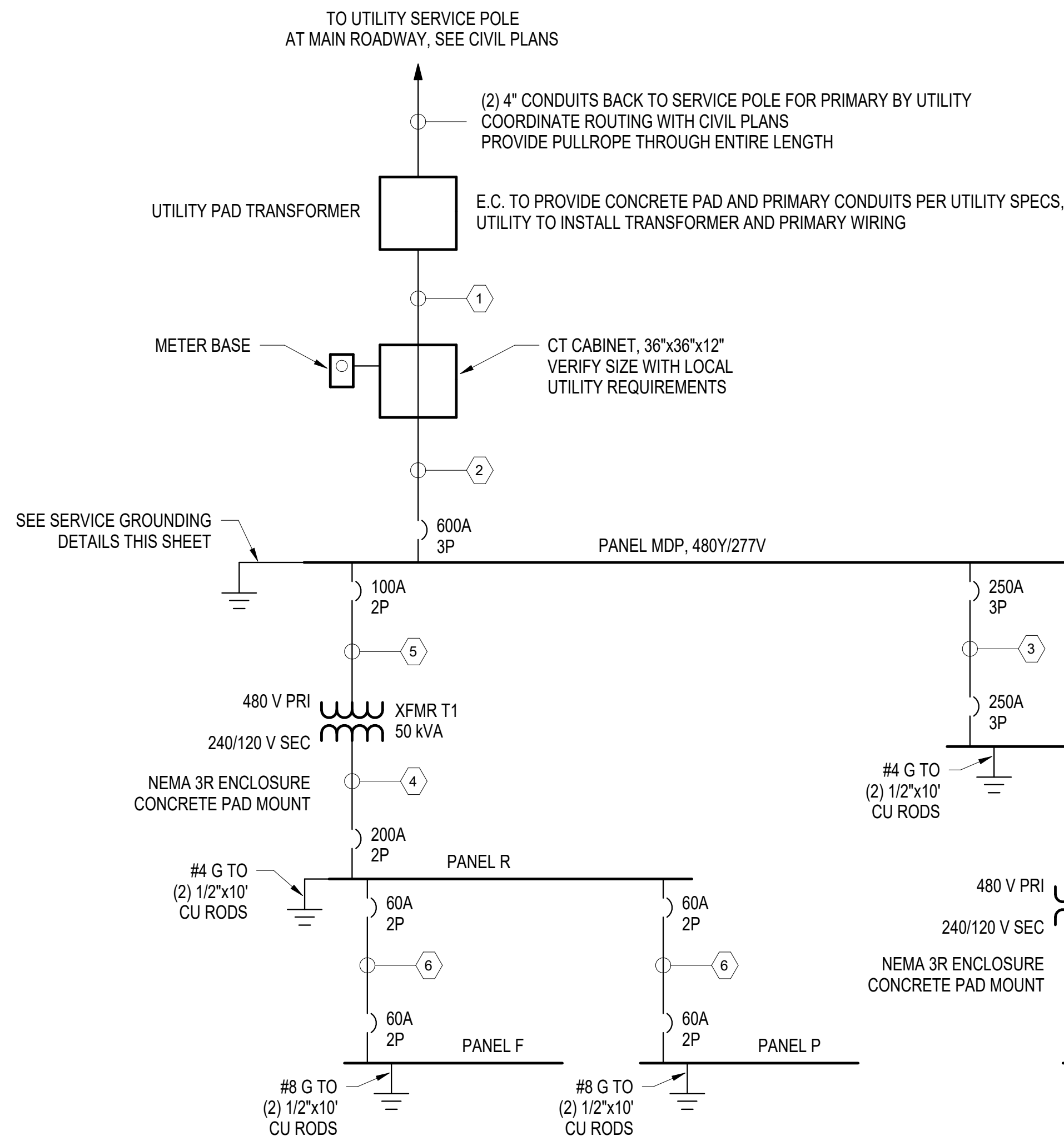


#### NOTES

1. PROVIDE FULL RANGE OF FINISH COLORS TO ARCHITECT FOR SELECTION.
2. SEE LIGHTING FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION.

### SITE LIGHTING POLE & BASE DETAIL

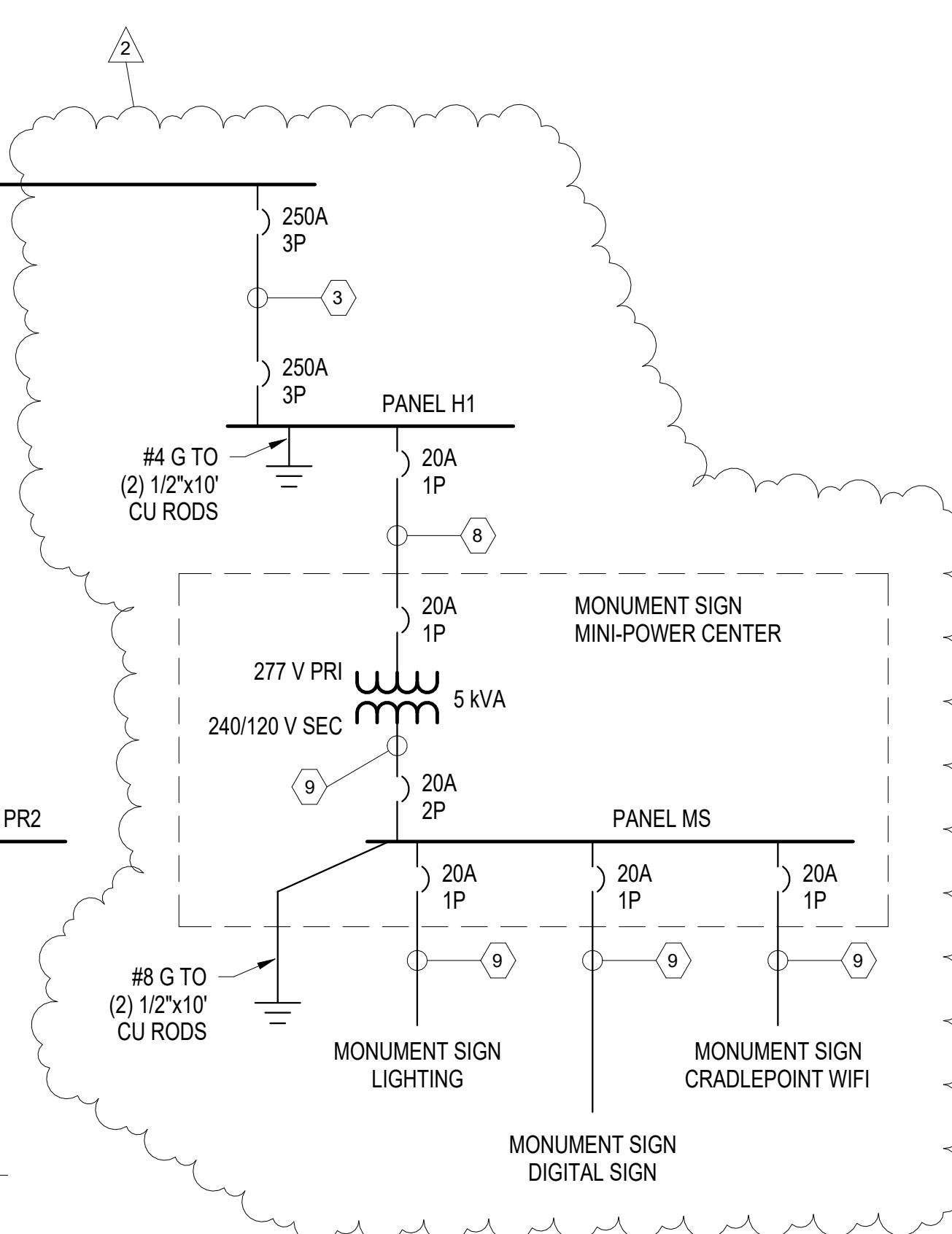
NO SCALE



### ONE LINE DIAGRAM

NO SCALE

FEEDER SCHEDULE		
#	FEEDER SIZE	RATING
1	2 SETS ( 4-#350 MCM, 3" C )	UTILITY
2	2 SETS ( 4-#350 MCM, 1-#1 G, 3" C )	600A / 3-Ph
3	4-#250 MCM, 1-#4 G, 2 1/2" C	250A / 3-Ph
4	2-#3/0, 1-#6 G, 1 1/2" C	200A
5	2-#3, 1-#8 G, 1" C	100A
6	2-#6, 1-#10 G, 1" C	60A
7	2-#8, 1-#10 G, 1" C	50A
8	2-#8, 1-#10 G, 1" C	20A
9	2-#12, 1-#12 G, 1/2" C	20A



222 Lee Street, West Charleston, West Virginia 25302  
 Phone: 304.342.0159 Fax: 304.345.8144

1116 South Main Street Blacksburg, Virginia 24060  
 Phone: 540.552.2151

www.zmm.com

**FORE SIGHT**  
 DESIGN SERVICES  
 ENGINEERING • LAND PLANNING • SURVEYING

1260 Radford Street  
 Christiansburg, Virginia 24073  
 Phone: (540) 381-2773  
 Fax: (540) 381-2773  
 Email: info@foresightdesignservices.com  
 Web: www.foresightdesignservices.com

The drawing, design, and digital files relating to this project are the property of Foresight Design Services. The reproduction, copying, or other use of this drawing without FDS's written consent is prohibited.

MONTGOMERY COUNTY, VIRGINIA  
**MONTGOMERY COUNTY PARKS AND RECREATION**  
**AUBURN PARK FULL BUILD-OUT**

REVISIONS		
NO.	COMMENTS	DATE
1	ADDENDUM REISSUED	02/28/2024
2	ADDENDUM REISSUED	03/14/2024

PROJECT TEAM		
PIC	TREVOR M. KIMZEY, PE	
PM	MATTHEW P. TOMLINSON, PE	
DESIGN	TFK	
ISSUE DATE		
1/26/2023		
FDS JOB NO.		
ZMM 2023006		
SHEET TITLE		
ELECTRICAL SERVICE DETAILS		
SHEET NUMBER		
E150		

<b>PANEL:</b> MDP		<b>VOLTS:</b> 480/277 Wye		<b>BUS RATING:</b> 600 A	
<b>ENCLOSURE:</b> NEMA 3R		<b>PHASE:</b> 3		<b>MAIN RATING:</b> 600 A	
<b>SUPPLY FROM:</b> UTILITY		<b>WIRE:</b> 4		<b>KAIC RATING:</b> 35	
<b>PNL TYPE:</b> SURFACE					

CKT	DESCRIPTION	TRIP	POLES	PHASE A (kVA)	PHASE B (kVA)	PHASE C (kVA)	POLES	TRIP	DESCRIPTION	CKT	
1				22.1	36.6					2	
3	PANEL H1	250 A	3		22.3	37.8		3	250 A	PANEL H2	4
5						21.8	31.2				6
7				30	5.9						8
9	PANEL H3	250 A	3		31.2	2.1		2	100 A	PANEL R - THRU XFMR T1	10
11						23.6	--	1	--	SPACE ONLY	12
13	SPACE ONLY	--	1	--	--			1	--	SPACE ONLY	14
15	SPACE ONLY	--	1	--	--			1	--	SPACE ONLY	16
17	SPACE ONLY	--	1	--	--			1	--	SPACE ONLY	18
19	SPACE ONLY	--	1	--	--			1	--	SPACE ONLY	20
21	SPACE ONLY	--	1	--	--			1	--	SPACE ONLY	22
23	SPACE ONLY	--	1	--	--			1	--	SPACE ONLY	24
				<b>TOTAL LOAD:</b>	94600 VA	93400 VA	76600 VA				
				<b>TOTAL AMPS:</b>	351 A	347 A	277 A				

ALL PHASE, NEUTRAL, AND GROUND BUSES ARE TO BE COPPER.

**NOTES:**

<b>PANEL:</b> H2		<b>VOLTS:</b> 480/277 Wye		<b>BUS RATING:</b> 250 A	
<b>ENCLOSURE:</b> NEMA 3R		<b>PHASE:</b> 3		<b>MAIN RATING:</b> 250 A	
<b>SUPPLY FROM:</b> PANEL MDP		<b>WIRE:</b> 4		<b>KAIC RATING:</b> 18	
<b>PNL TYPE:</b> SURFACE					

CKT	DESCRIPTION	TRIP	POLES	PHASE A (kVA)	PHASE B (kVA)	PHASE C (kVA)	POLES	TRIP	DESCRIPTION	CKT	
1				2.5	2.5					2	
3	SOFTBALL #3 - POLE A4	30 A	3		2.5	2.5		3	30 A	SOFTBALL #3 - POLE A5	4
5						2.5	2.5				6
7				3.2	3.2						8
9	SOFTBALL #3 - POLE B4	30 A	3		3.2	3.2		3	30 A	SOFTBALL #3 - POLE B5	10
11						3.2	3.2				12
13				3.4	3.4						14
15	SOFTBALL #3 - POLE C5	30 A	3		3.4	3.4		3	30 A	SOFTBALL #3 - POLE C6	16
17						3.4	3.4				18
19				3.3	3.3						20
21	MULTIPURPOSE #1 - POLE S1	30 A	3		3.3	3.3		3	30 A	MULTIPURPOSE #1 - POLE S4	22
23						3.3	3.3				24
25				3.2	3.2						26
27	MULTIPURPOSE #1 - POLE S2	30 A	3		3.2	3.2		3	30 A	MULTIPURPOSE #1 - POLE S3	28
29						3.2	3.2				30
31				3.8	1.6			1	20 A	PARKING LOT #2 LIGHTING	32
33	PANEL PR1 - THRU XFMR T2	50 A	2		6.6	0		1	20 A	SPARE	34
35	SPACE ONLY	--	1	--	--		0	1	20 A	SPARE	36
37	SPACE ONLY	--	1	--	--			1	--	SPACE ONLY	38
39	SPACE ONLY	--	1	--	--			1	--	SPACE ONLY	40
41	SPACE ONLY	--	1	--	--			1	--	SPACE ONLY	42
				<b>TOTAL LOAD:</b>	36600 VA	37800 VA	31200 VA				
				<b>TOTAL AMPS:</b>	135 A	139 A	113 A				

ALL PHASE, NEUTRAL, AND GROUND BUSES ARE TO BE COPPER.

**NOTES:**

<b>PANEL:</b> H1		<b>VOLTS:</b> 480/277 Wye		<b>BUS RATING:</b> 250 A	
<b>ENCLOSURE:</b> NEMA 3R		<b>PHASE:</b> 3		<b>MAIN RATING:</b> 250 A	
<b>SUPPLY FROM:</b> PANEL MDP		<b>WIRE:</b> 4		<b>KAIC RATING:</b> 18	
<b>PNL TYPE:</b> SURFACE					

CKT	DESCRIPTION	TRIP	POLES	PHASE A (kVA)	PHASE B (kVA)	PHASE C (kVA)	POLES	TRIP	DESCRIPTION	CKT	
1				1.4	1.4					2	
3	SOFTBALL #1 - POLE A1	30 A	3		1.4	1.4		3	30 A	SOFTBALL #1 - POLE A2	4
5						1.4	1.4				6
7				2.2	2.2						8
9	SOFTBALL #1 - POLE B1	30 A	3		2.2	2.2		3	30 A	SOFTBALL #1 - POLE B2	10
11						2.2	2.2				12
13				1.6	1.6						14
15	SOFTBALL #1 - POLE C1	30 A	3		1.6	1.6		3	30 A	SOFTBALL #1 - POLE C2	16
17						1.6	1.6				18
19				1.4	1.4						20
21	SOFTBALL #2 - POLE A1	30 A	3		1.4	1.4		3	30 A	SOFTBALL #2 - POLE A3	22
23						1.4	1.4				24
25				2.2	2.2						26
27	SOFTBALL #2 - POLE B1	30 A	3		2.2	2.2		3	30 A	SOFTBALL #2 - POLE B3	28
29						2.2	2.2				30
31				1.6	1.6						32
33	SOFTBALL #2 - POLE C3	30 A	3		1.6	1.6		3	30 A	SOFTBALL #2 - POLE C4	34
35						1.6	1.6				36
37	SPARE	20 A	1	0	1.3			1	20 A	PARKING LOT #1 LIGHTING	38
39	SPARE	20 A	1		0	1.5		1	20 A	ENTRY ROAD LIGHTING	40
41	SPARE	20 A	1			0	1	1	20 A	ROAD SIGN MINI-PWR CENTER	42
				<b>TOTAL LOAD:</b>	22100 VA	22300 VA	21800 VA				
				<b>TOTAL AMPS:</b>	80 A	81 A	79 A				

ALL PHASE, NEUTRAL, AND GROUND BUSES ARE TO BE COPPER.

**NOTES:**

<b>PANEL:</b> H3		<b>VOLTS:</b> 480/277 Wye		<b>BUS RATING:</b> 250 A	
<b>ENCLOSURE:</b> NEMA 3R		<b>PHASE:</b> 3		<b>MAIN RATING:</b> 250 A	
<b>SUPPLY FROM:</b> PANEL MDP		<b>WIRE:</b> 4		<b>KAIC RATING:</b> 18	
<b>PNL TYPE:</b> SURFACE					

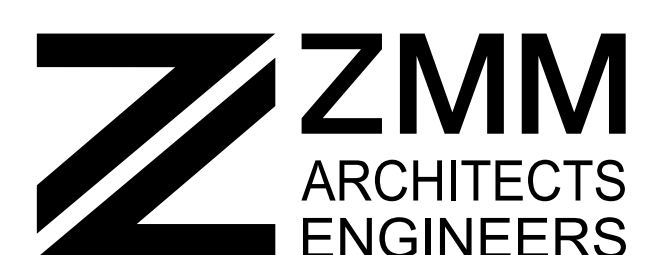
  

CKT	DESCRIPTION	TRIP	POLES	PHASE A (kVA)	PHASE B (kVA)	PHASE C (kVA)	POLES	TRIP	DESCRIPTION	CKT	
1				1.4	1.4					2	
3	SOFTBALL #4 - POLE A6	30 A	3		1.4	1.4		3	30 A	SOFTBALL #4 - POLE A7	4
5						1.4	1.4				6
7				2.2	2.2						8
9	SOFTBALL #4 - POLE B6	30 A	3		2.2	2.2		3	30 A	SOFTBALL #4 - POLE B7	10
11						2.2	2.2				12
13				1.6	1.6						14
15	SOFTBALL #4 - POLE C7	30 A	3		1.6	1.6		3	30 A	SOFTBALL #4 - POLE C8	16
17						1.6	1.6				18
19				3.3	3.3						20
21	MULTIPURPOSE #2 - POLE S5	30 A	3		3.3	3.3		3	30 A	MULTIPURPOSE #2 - POLE S6	22
23						3.3	3.3				24
25				3.3	3.3						26
27	MULTIPURPOSE #2 - POLE S7	30 A	3		3.3	3.3		3	30 A	MULTIPURPOSE #2 - POLE S8	28
29						3.3	3.3				30
31				4.8	1.6			1	20 A	PARKING LOT #3 LIGHTING	32
33	PANEL PR2 - THRU XFMR T3	50 A	2		7.6	0		1	20 A	SPARE	34
35	SPACE ONLY	--	1	--	--		0	1	20 A	SPARE	36
37	SPACE ONLY	--	1	--	--			1	--	SPACE ONLY	38
39	SPACE ONLY	--	1	--	--			1	--	SPACE ONLY	40
41	SPACE ONLY	--	1	--	--			1	--	SPACE ONLY	42
				<b>TOTAL LOAD:</b>	30000 VA	31200 VA	23600 VA				
				<b>TOTAL AMPS:</b>	112 A	116 A	85 A				

ALL PHASE, NEUTRAL, AND GROUND BUSES ARE TO BE COPPER.

**NOTES:**

SHEET REISSUED  
IN ADDENDUM



222 Lee Street, West Charleston, West Virginia 25302  
Phone: 304.342.0159 Fax: 304.345.8144

1116 South Main Street Blacksburg, Virginia 24060  
Phone: 540.552.2151

www.zmm.com



ENGINEERING • LAND PLANNING • SURVEYING

1260 Radford Street Christiansburg, Virginia 24073  
Phone: (540) 381-6011 Fax: (540) 381-2773  
Email: info@foresightdesignservices.com Web: www.foresightdesignservices.com

The drawing, design, and digital files relating to this project are the property of Foresight Design Services. The reproduction, copying, or other use of this drawing without FDS's written consent is prohibited.

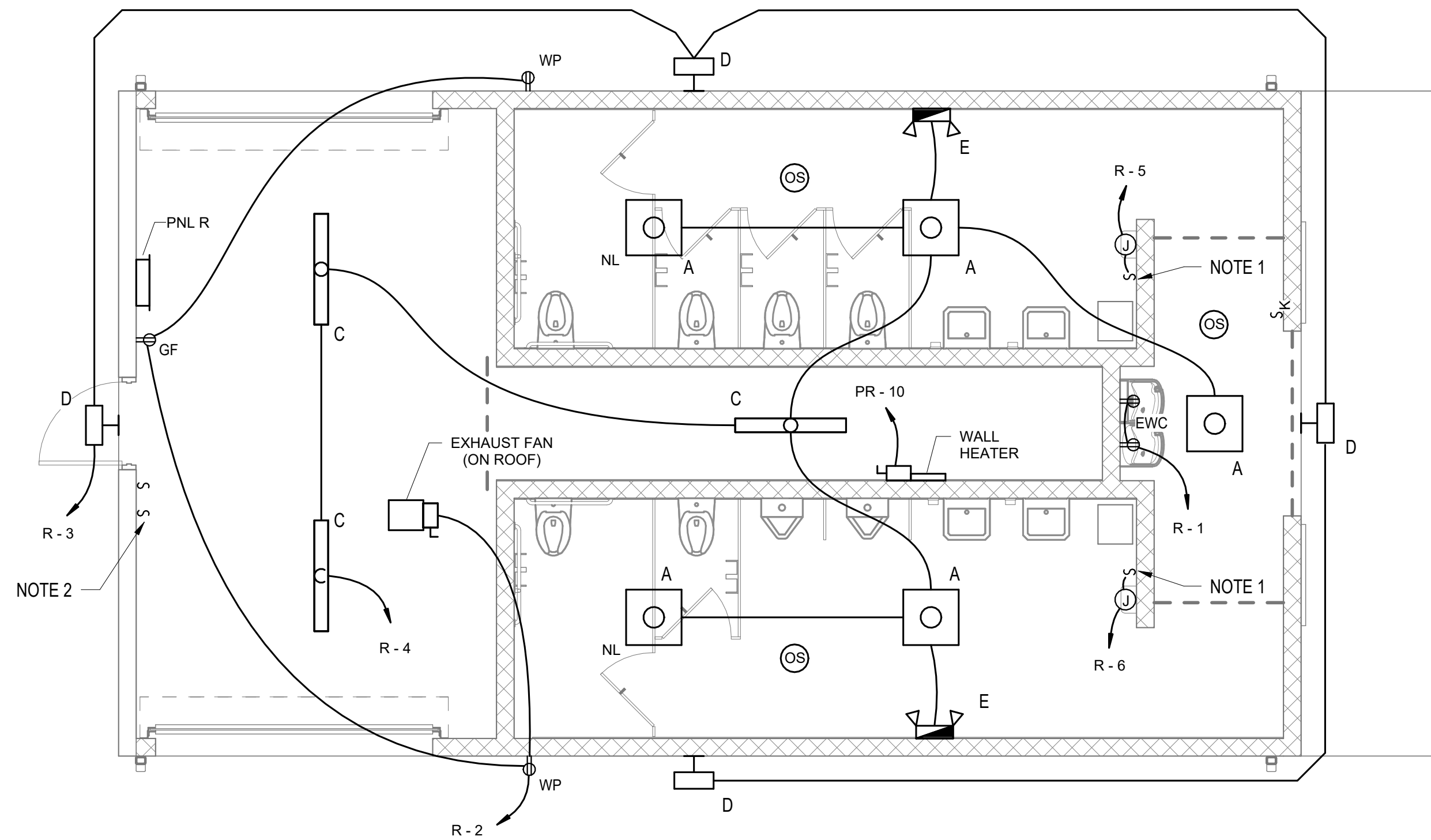
MONTGOMERY COUNTY  
 PARKS AND RECREATION  
 AUBURN PARK FULL BUILD-OUT  
 MONTGOMERY COUNTY, VIRGINIA



REVISIONS		
NO.	COMMENTS	DATE
1	ADDENDUM REISSUED	02/28/2024

PROJECT TEAM		
PIC	TREVOR M. KIMZEY, PE	
PM	MATTHEW P. TOMLINSON, PE	
DESIGN	TFK	

ISSUE DATE	
1/26/2023	
FDS JOB NO.	
ZMM 2023006	
SHEET TITLE	
480V SITE PANEL SCHEDULES	
SHEET NUMBER	
E151	



**RESTROOM BUILDING NEW WORK PLAN**

1/4" = 1'-0"

**NOTES THIS SHEET:**

1. PROVIDE 20A, MOTOR RATED KEYED TOGGLE SWITCH MOUNTED 6" BELOW CEILING FOR ELECTRIC HAND DRYER DISCONNECT.
2. PROVIDE MOTOR RATED TOGGLE SWITCH WITH INDICATOR LIGHT TO CONTROL EXHAUST FAN ON ROOF. SWITCH IS TO NOT SHARE A BOX WITH ROOM LIGHT SWITCH. LABEL SWITCH WALLPLATE "EXHAUST FAN".

**PANEL: R**  
**ENCLOSURE: NEMA 1**  
**SUPPLY FROM: PANEL MDP - THRU XFMR T1**  
**PNL TYPE: SURFACE**

**VOLTS: 120/240 Single**  
**PHASE: 1**  
**WIRE: 3**

**BUS RATING: 200 A**  
**MAIN RATING: 200 A**  
**KAIC RATING: 20**

CKT	DESCRIPTION	*	TRIP	POLES	PHASE A (kVA)	PHASE B (kVA)	POLES	TRIP	*	DESCRIPTION	CKT
1	RCPT WATER COOLER	1	20 A	1	0.2	1	1	20 A		RCPT UTILITY, EXHAUST FAN	2
3	LTG EXTERIOR		20 A	1		0.1	0.3	1	20 A	LTG INTERIOR	4
5	HAND DRYER WOMENS		20 A	1	1.5	1.5		1	20 A	HAND DRYER MENS	6
7	SPARE		20 A	1		0	0	1	20 A	SPARE	8
9	SPARE		20 A	1	0	0		1	20 A	SPARE	10
11	SPARE		20 A	1		0	0	1	20 A	SPARE	12
13	SPACE ONLY		--	1	--	--		1	--	SPACE ONLY	14
15	SPACE ONLY		--	1	--	--		1	--	SPACE ONLY	16
17	PANEL F		60 A	2	0.6	1.3		2	60 A	PANEL P	18
19						1	0.7				20
					<b>TOTAL LOAD:</b>	6116 VA					
					<b>TOTAL AMPS:</b>	51 A	18 A				

ALL PHASE, NEUTRAL, AND GROUND BUSES ARE TO BE COPPER.

**NOTES:**  
 1. PROVIDE GFCI BREAKER.

**PANEL: F**  
**ENCLOSURE: NEMA 3R**  
**SUPPLY FROM: PANEL R**  
**PNL TYPE: SURFACE**

**VOLTS: 120/240 Single**  
**PHASE: 1**  
**WIRE: 3**

**BUS RATING: 60 A**  
**MAIN RATING: 60 A**  
**KAIC RATING: 10**

CKT	DESCRIPTION	*	TRIP	POLES	PHASE A (kVA)	PHASE B (kVA)	POLES	TRIP	*	DESCRIPTION	CKT
1	SOFTBALL #1 SCOREBOARD		20 A	1	0.3	0.3		1	20 A	SOFTBALL #2 SCOREBOARD	2
3	SPORTS LTG CONTROLLER		20 A	1		1	0	1	20 A	SPARE	4
5	SPARE		20 A	1	0	0		1	20 A	SPARE	6
7	SPARE		20 A	1		0	0	1	20 A	SPARE	8
9	SPARE		20 A	1	0	0		1	20 A	SPARE	10
11	SPARE		20 A	1		0	0	1	20 A	SPARE	12
13	SPACE ONLY		--	1	--	--		1	--	SPACE ONLY	14
15	SPACE ONLY		--	1	--	--		1	--	SPACE ONLY	16
17	SPACE ONLY		--	1	--	--		1	--	SPACE ONLY	18
19	SPACE ONLY		--	1	--	--		1	--	SPACE ONLY	20
					<b>TOTAL LOAD:</b>	600 VA	1000 VA				
					<b>TOTAL AMPS:</b>	5 A	8 A				

ALL PHASE, NEUTRAL, AND GROUND BUSES ARE TO BE COPPER.

**NOTES:**

SHEET REISSUED  
 IN ADDENDUM

**ZMM ARCHITECTS ENGINEERS**  
 222 Lee Street, West Charleston, West Virginia 25302  
 Phone: 304.342.0159 Fax: 304.345.8144  
 1116 South Main Street Blacksburg, Virginia 24060  
 Phone: 540.552.2151  
 www.zmm.com

**FORE SIGHT DESIGN SERVICES**  
 ENGINEERING • LAND PLANNING • SURVEYING  
 1260 Radford Street  
 Christiansburg, Virginia 24073  
 Phone: (540) 381-6011  
 Fax: (540) 381-2773  
 Email: info@foresightdesignservices.com  
 Web: www.foresightdesignservices.com

The drawing, design, and digital files relating to this project are the property of Foresight Design Services. The reproduction, copying, or other use of this drawing without FDS's written consent is prohibited.

**MONTGOMERY COUNTY PARKS AND RECREATION**  
**AUBURN PARK FULL BUILD-OUT**  
 MONTGOMERY COUNTY, VIRGINIA

**REVISIONS**

NO.	COMMENTS	DATE
1	ADDENDUM REISSUED	02/28/2024

**PROJECT TEAM**

PIC	TREVOR M. KIMZEY, PE
PM	MATTHEW P. TOMLINSON, PE
DESIGN	TFK

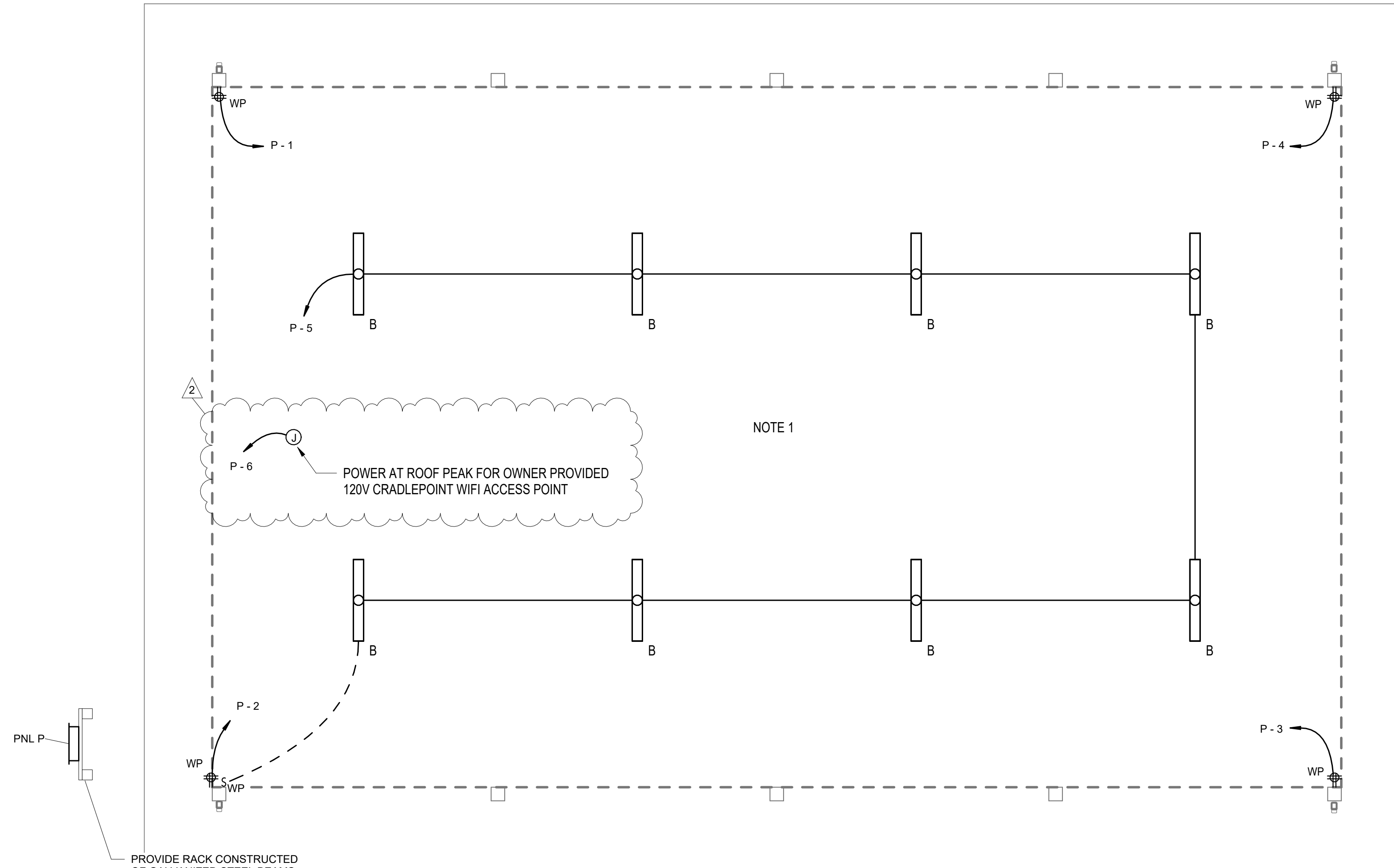
**ISSUE DATE**  
 1/26/2023

**FDS JOB NO.**  
 ZMM 2023006

**SHEET TITLE**  
 ELECTRICAL PLAN - RESTROOM BUILDING

**SHEET NUMBER**  
 E210





**PAVILION NEW WORK PLAN**

1/4" = 1'-0"

**PANEL: P**  
**ENCLOSURE: NEMA 3R**  
**SUPPLY FROM: PANEL R**  
**PNL TYPE: SURFACE**

**VOLTS: 120/240 Single**  
**PHASE: 1**  
**WIRE: 3**

**BUS RATING: 60 A**  
**MAIN RATING: 60 A**  
**KAIC RATING: 10**

CKT	DESCRIPTION	TRIP	POLES	PHASE A (kVA)	PHASE B (kVA)	POLES	TRIP	DESCRIPTION	CKT
1	RCPT PAVILION	20 A	1	0.4	0.4	1	20 A	RCPT PAVILION	2
3	RCPT PAVILION	20 A	1		0.4	0.4	1	RCPT PAVILION	4
5	LTG PAVILION	20 A	1	0.4	0.2	1	20 A	CRADLEPOINT WIFI	6
7	SPARE	20 A	1		0	0	1	SPARE	8
9	SPARE	20 A	1	0	0	1	20 A	SPARE	10
11	SPARE	20 A	1		0	0	1	SPARE	12
13	SPACE ONLY	--	1	--	--	1	--	SPACE ONLY	14
15	SPACE ONLY	--	1	--	--	1	--	SPACE ONLY	16
17	SPACE ONLY	--	1	--	--	1	--	SPACE ONLY	18
19	SPACE ONLY	--	1	--	--	1	--	SPACE ONLY	20
				<b>TOTAL LOAD:</b>	1340 VA	720 VA			
				<b>TOTAL AMPS:</b>	11 A	6 A			

ALL PHASE, NEUTRAL, AND GROUND BUSES ARE TO BE COPPER.

**NOTES:**

**NOTES THIS SHEET:**

- CONDUIT IS TO BE CONCEALED AS MUCH AS FEASIBLE FOR POWER AND LIGHTING IN THIS AREA. CONDUITS WHICH ARE NECESSARY TO BE EXPOSED SHALL BE MOUNTED DIRECT TO STRUCTURE AND SHALL NOT BE SUSPENDED OR FREE HANGING TO PREVENT VANDALISM, GRABBING, OR TAMPERING.



The drawing, design, and digital files relating to this project are the property of Foresight Design Services. The reproduction, copying, or other use of this drawing without FDS's written consent is prohibited.

**MONTGOMERY COUNTY  
 PARKS AND RECREATION  
 AUBURN PARK FULL BUILD-OUT**

MONTGOMERY COUNTY, VIRGINIA



**REVISIONS**

NO.	COMMENTS	DATE
1	ADDENDUM REISSUED	02/28/2024
2	ADDENDUM REISSUED	03/14/2024

**PROJECT TEAM**

PIC	TREVOR M. KIMZEY, PE
PM	MATTHEW P. TOMLINSON, PE
DESIGN	TFK

**ISSUE DATE**

1/26/2023

**FDS JOB NO.**

ZMM 2023006

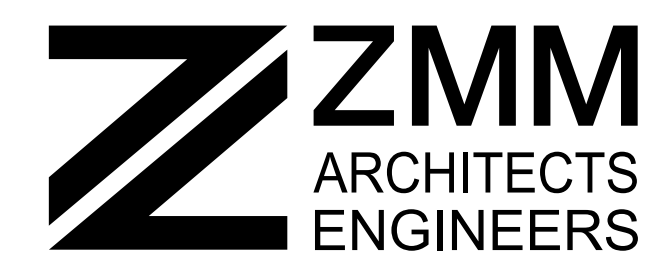
**SHEET TITLE**

ELECTRICAL PLAN - PAVILION

**SHEET NUMBER**

E220

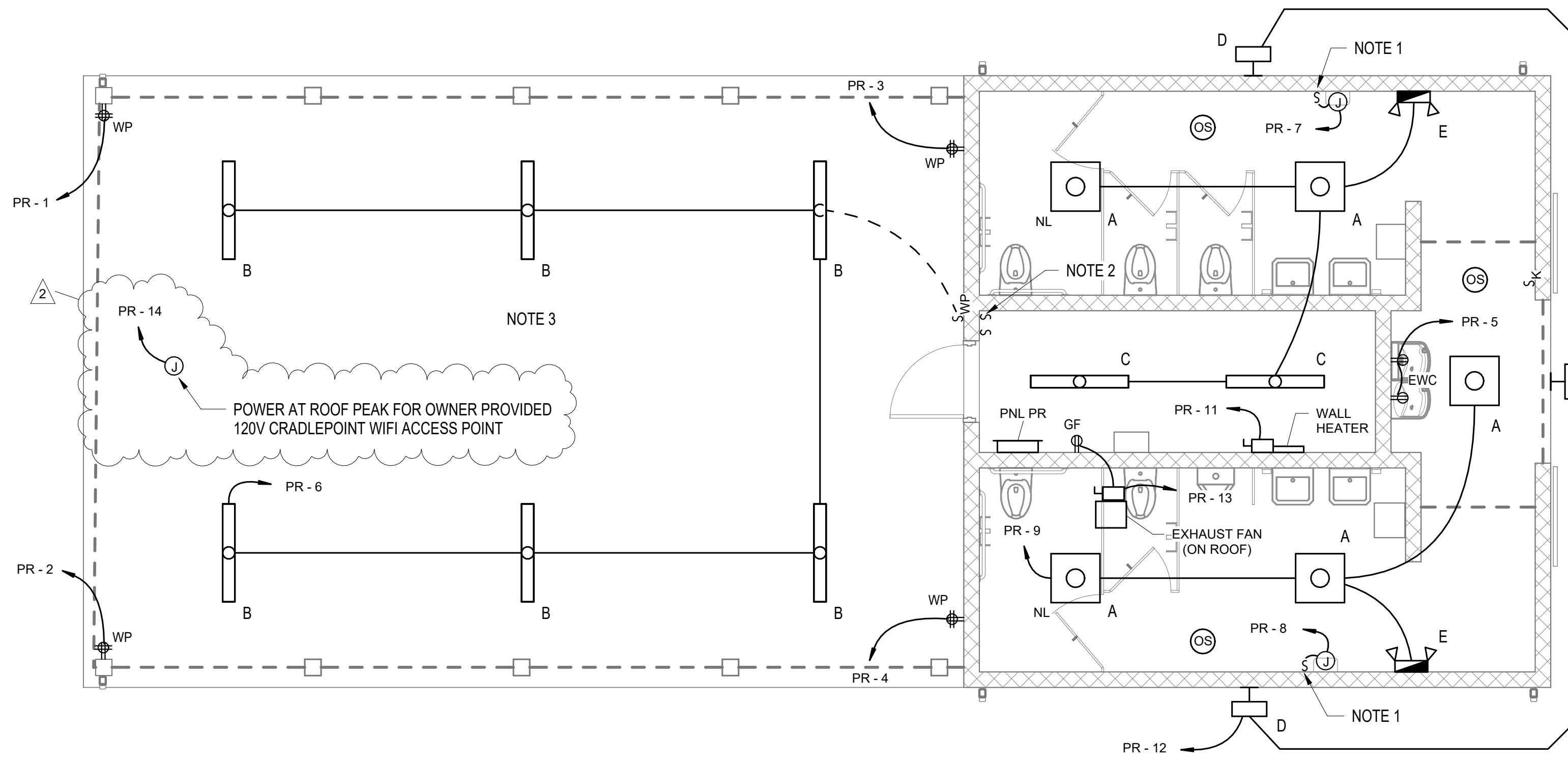
2  
 SHEET REISSUED  
 IN ADDENDUM



222 Lee Street, West Charleston, West Virginia 25302  
 Phone: 304.342.0159 Fax: 304.345.8144  
 1116 South Main Street Blacksburg, Virginia 24060  
 Phone: 540.552.2151

www.zmm.com

www.zmm.com



### PAVILION / RESTROOM BUILDING NEW WORK PLAN

1/4" = 1'-0"

#### NOTES THIS SHEET:

1. PROVIDE 20A, MOTOR RATED KEYED TOGGLE SWITCH MOUNTED 6" BELOW CEILING FOR ELECTRIC HAND DRYER DISCONNECT.
2. PROVIDE MOTOR RATED TOGGLE SWITCH WITH INDICATOR LIGHT TO CONTROL EXHAUST FAN ON ROOF. SWITCH IS TO NOT SHARE A BOX WITH ROOM LIGHT SWITCH. LABEL SWITCH WALLPLATE "EXHAUST FAN".
3. CONDUIT IS TO BE CONCEALED AS MUCH AS FEASIBLE FOR POWER AND LIGHTING IN THIS AREA. CONDUITS WHICH ARE NECESSARY TO BE EXPOSED SHALL BE MOUNTED DIRECT TO STRUCTURE AND SHALL NOT BE SUSPENDED OR FREE HANGING TO PREVENT VANDALISM, GRABBING, OR TAMPERING.

<b>PANEL:</b> PR		<b>VOLTS:</b> 120/240 Single		<b>BUS RATING:</b> 100A	
<b>ENCLOSURE:</b> NEMA 1		<b>PHASE:</b> 1		<b>MAIN RATING:</b> 100A	
<b>SUPPLY FROM:</b> PR1 = H2, PR2 = H3		<b>WIRE:</b> 3		<b>KAIC RATING:</b> 1Q	
<b>PNL TYPE:</b> SURFACE					

CKT	DESCRIPTION	TRIP	POLES	PHASE A (kVA)	PHASE B (kVA)	POLES	TRIP	DESCRIPTION	CKT	
1	RCPT PAVILION	20 A	1	0.4	0.4	1	20 A	RCPT PAVILION	2	
3	RCPT PAVILION	20 A	1		0.4	0.4	1	RCPT PAVILION	4	
5	RCPT WATER COOLER	1	20 A	1	0.4	0.3	1	20 A	LTG PAVILION	6
7	HAND DRYER WOMENS	20 A	1		1.5	1.5	1	20 A	HAND DRYER MENS	8
9	LTG INTERIOR	20 A	1	0.3	1.5		1	20 A	WALL HEATER	10
11	WALL HEATER	20 A	1		1.5	0.1	1	20 A	LTG EXTERIOR	12
13	RCPT UTILITY, EXHAUST FAN	20 A	1	0.6	0.2		1	20 A	CRADLEPOINT WIFI	14
15	SPARE	20 A	1		0	1				16
17	SPARE	20 A	1	0	1		2	20 A	GRINDER PUMP (PR2 ONLY)	18
19	SPORTS LTG CONTROLLER	20 A	1		1	0.3	1	20 A	SOFTBALL SCOREBOARD	20
				<b>TOTAL LOAD:</b>	5004 VA	7592 VA				
				<b>TOTAL AMPS:</b>	42 A	63 A				

ALL PHASE, NEUTRAL, AND GROUND BUSES ARE TO BE COPPER.

**NOTES:**  
 SCHEDULE IS TYPICAL FOR PANEL PR1 (LOCATED NEAR MULTIPURPOSE FIELD #1) AND PANEL PR2 (LOCATED NEAR MULTIPURPOSE FIELD #2)  
 1. PROVIDE GFCI BREAKER.  
 2. PROVIDE BREAKER IN PANEL PR2 ONLY, TO BE SPACE ONLY IN PANEL PR1.

2  
SHEET REISSUED IN ADDENDUM

**ZMM ARCHITECTS ENGINEERS**  
 222 Lee Street, West Charleston, West Virginia 25302  
 Phone: 304.342.0159 Fax: 304.345.6144  
 www.zmm.com

1116 South Main Street Blacksburg, Virginia 24060  
 Phone: 540.552.2151  
 www.zmm.com

**FORE SIGHT DESIGN SERVICES**  
 ENGINEERING • LAND PLANNING • SURVEYING  
 1260 Radford Street Christiansburg, Virginia 24073  
 Phone: (540) 381-6011 Fax: (540) 381-2773  
 Email: info@foresightdesignservices.com Web: www.foresightdesignservices.com

The drawing, design, and digital files relating to this project are the property of Foresight Design Services. The reproduction, copying, or other use of this drawing without FDS's written consent is prohibited.

## MONTGOMERY COUNTY PARKS AND RECREATION AUBURN PARK FULL BUILD-OUT

MONTGOMERY COUNTY, VIRGINIA



REVISIONS		
NO.	COMMENTS	DATE
1	ADDENDUM REISSUED	02/28/2024
2	ADDENDUM REISSUED	03/14/2024

PROJECT TEAM		
PIC	TREVOR M. KIMZEY, PE	
PM	MATTHEW P. TOMLINSON, PE	
DESIGN	TFK	
ISSUE DATE		
1/26/2023		
FDS JOB NO.		
ZMM 2023006		
SHEET TITLE		
ELECTRICAL PLAN - RESTROOM / PAVILION BUILDING		
SHEET NUMBER		
E230		