



State of Delaware
Department of Natural Resources and Environmental Control
Delaware Division of Parks and Recreation
89 Kings Highway
Dover, Delaware 19901

ADDENDUM No. TWO

Project Name: Nature Center
White Clay Creek State Park

Contract No.: NAT25805-NATCTR
Date of Issue: Wednesday, May 20, 2026

Notice No. 1: Attach this addendum to the Project Manual for this project. It modifies and becomes part of the Bidding Documents. Work or material not specifically mentioned herein is to be as described in the main body of the specification and as shown on the drawings.

Bids Due: Tuesday, June 2, 2026 at 1:00 p.m. (via hard copy or email, see below)
DNREC- Division of Parks and Recreation, 89 Kings Hwy, Dover DE 19901

Bid Opening: Tuesday, June 2, 2026 at 1:00 p.m.
To be conducted online via Microsoft Teams
Click [Click here to join the meeting](#).
Or join with audio-only by calling 302-504-8986 and using ID: 491 221 723#

General Information:

1. Note attached sketch of the Nature Center Bridge Project (separate project; NAT25829-WCNCBRIDGE) laydown area. The outlined portion of the existing nature center parking lot will be used for the Bridge project as a laydown area for 4 months starting from their mobilization (expected late August). After this 4 months, the awarded Nature Center contractor (NAT25805-NATCTR) can proceed with exclusive use of this area. Both projects will need to share the driveway access between Hopkins Road and Chambers Rock Road (aka Creek Road, Tweeds Mill Road, or PennDel Trail), noting that the Bridge Project site will have a complete closure adjacent to Hopkins Road in order to complete its construction. The Bridge project expected duration is 4 months. Note: During this 4-month period, Nature Center Project will have to make necessary accommodations to ensure no disruption to Bridge project laydown area, and work may be inhibited around the limits of this laydown area. Any impediments to performing work in the areas adjacent to and surrounding this laydown area, during the specified 4-month period, is to be borne by the Nature Center Contractor at no additional cost to Owner. Upon Bridge Project completion, the Nature Center Project will have exclusive use of the driveway except for maximizing public trail use when construction is not occurring.

2. Revise Addendum 1, Page 2, number 6.A.: Delete paragraph A. Replace with "Staging area details noted in Addendum Two General notes 1."
3. Revise Addendum 1, page 2, Number 7: Bridge project (NAT25829-WCNCBRIDGE) will be occurring concurrently, and the projects may need to coordinate as noted.
4. Revise Addendum 1, page 5, Question 4 answer: Add language to the end of the sentence for clarity "...raceways and boxes only for data and security access".

Substitution Requests

1. Samsung VRF System
2. Toshiba VRF System

Drawing Updates/Notes:

1. Sheet: A7.2 – INTERIOR ELEVATIONS
ADD: Keynote 064200-A to Legend.
ADD: TO BE PROVIDED BY OWNER to Reclaimed Wood Siding description.
2. Sheet: A9.1 – FINISH PLAN – LOWER LEVEL
REMOVE: Wall Finish W-1 from JANITOR CLOSET 109, RESTROOM 111, RESTROOM 112, RESTROOM 113, RESTROOM 114 on Finish Plan – Lower Level.
ADD: Wall Finish W-5 to JANITOR CLOSET 109 on Finish Plan – Lower Level.
ADD: Detail 4/A9.1.
REMOVE: SEE SPEC from Interior Finish Schedule Item W-4.
ADD: TO BE PROVIDED BY OWNER to Interior Finish Schedule Item W-4.
3. Sheet M1.1: FLOOR PLANS - HVAC
ADD: A transfer duct with associated ceiling and wall mounted transfer grilles was added to allow transfer air from Classroom 209 into Storage 211.
4. Sheet EP1.1: LOWER & UPPER FLOOR PLAN – POWER – NEW WORK
ADD: Two (2) quadruplex outlets were added to Storage 211 to serve new AV equipment associated with the overhead projector located in Classroom 209.
5. Sheet EY1.1: LOWER & UPPER FLOOR PLAN – SYSTEMS – NEW WORK
ADD: One (1) new box provision for a data outlet connection has been added to Storage 211 to serve new AV equipment associated with the overhead projector located in Classroom 209.
ADD: One (1) new box provision for a data outlet connection has been added to Mud Room 207 to serve either a PC or a phone.
6. Sheet E6.3: SCHEDULES
ADD: Dedicated 1P-120V circuits have been added to Panel P1 to serve the added quadruplexes located in Storage 211.
7. Sheet S0.2 – STRUCTURAL NOTES
REMOVE: NON-STRUCTURAL DELEGATED DESIGN 6.B "SEISMIC BRACING OF ALL ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL ITEMS WHERE REQUIRED BY THE MOST RECENT VERSION OF ASCE 7 AND THE PROJECT CONTRACTOR DOCUMENTS."
ADD: "N/A".

8. Sheet 0.1 – STRUCTURAL NOTES
REMOVE: EARTH WORK NOTES 3 “STOCKPILE EXCAVATED MATERIAL TO A LOCATION ON-SITE AS DIRECTED BY THE OWNER. ALL EXCAVATED MATERIAL WILL REMAIN ON-SITE (UNLESS DIRECTED OTHERWISE). SPOILS STOCKPILE SHALL HAVE TO BE IN A SPOILS CORRAL W/ HAY BALES ALONG THE PERIMETER FOR SEDIMENT CONTROL.”
ADD: “N/A”.

Specifications/Project Manual Updates/Notes:

1. Section 00 41 13: BID FORM
DELETE: Specification section 00 41 13.
ADD: Specification section 00 10 13, marked Addendum 02.
2. Section 01 74 19: CONSTRUCTION WASTE MANAGEMENT
DELETE: 1.5 Quality Assurance, A: “that employs a LEED Accredited Professional, certified by the USGBC as a waste management coordinator”.
3. Section 06 42 00: WOOD PANELING
DELETE: Specification section 06 42 00.
ADD: Specification section 06 42 00, marked Addendum 02.
4. Section 08 71 13: AUTOMATIC DOOR OPERATORS
DELETE: 1.5 Submittals, D: “Informational Submittals: Manufacturer’s product information and applicable sustainability program credits that are available to contribute towards a LEED rated project certification.”
DELETE: 1.5 Submittals, D, 1: “Credit MR 4: Manufacture’s or fabricator’s certificate indicating percentage of post-consumer recycled content by weight and pre-consumer recycled content by weight for each Product specified under this Section”
DELETE: 1.5 Submittals, D, 2: “EPDs: “Manufacture’s Environmental Product Declaration.”
5. Section 09 67 00: FLUID APPLIED FLOORING
DELETE: Specification section 09 67 00.
ADD: Specification section 09 67 00, marked Addendum 02.
6. Section 09 77 20: FIBERGLASS REINFORCED PANELS
DELETE: Specification section 09 77 20.
ADD: Specification section 09 67 00, marked Addendum 02.
7. Section 22 05 01: EXCAVATION AND FILL FOR PLUMBING WORK
DELETE: 1.4 Submittals, D: “LEED Submittal: MR Credit 3 BPDO – Sourcing of raw materials, a: For recycled content site steel, fill or aggregate: Documentation indicating percentages by weight of pre-consumer and post-consumer recycled content. Including material cost value. B: For regionally sourced site fill or aggregate: Documentation indicating locations or recovery, manufacture, purchase of recycled raw materials.”

Questions:

- 12 Question: (STRUCTURAL) Drawing S5.4 detail 1 shows framed openings in the composite slab. Architectural, Structural and mechanical drawings do not show use of this detail. Is detail 1/S5.4 used on this project?
Response: This detail is a typical detail that should be used where openings are required.

- 13 Question: (STRUCTURAL) Refer to Sheet S0.2 NON STR. DELEGATED DESIGN note 6.b. calls for delegated design of seismic bracing for architectural and MEP features. Please confirm this is required, Delaware is not located within a significant seismic zone.
 Response: Seismic bracing is not required for architectural or MEP features because we are a Seismic Design Category B, so both fit criteria for exceptions defined in section 13.1.4 of ASCE7. This note will be removed.
- 14 Question: (STRUCTURAL AND CIVIL): Refer to Sheet S0.1 EARTH WORK NOTES 3 states for all excavated material to remain stockpiled onsite. Please confirm this is correct if so, please define permanent stockpile location in relationship to the project site.
 Response: The civil drawings and specifications direct the contractor about stockpiled material. This note will be removed.
- 15 Question: (ARCHITECTURAL): Please provide a basis of design manufacturer and material for the FRP panels specified in section 097720.
 Response: Specification section 09 77 20 Fiberglass Reinforced Panels has been revised to clarify.
- 16 Question: (ARCHITECTURAL): Please provide a detail for the walk off mat carpet to epoxy flooring at the lower level
 Response: Per specification section 12 48 13 Entrance Floor Mats, the mat will be placed over the epoxy flooring.
- 17 Question: (ARCHITECTURAL): Please provide FRP wall panel to epoxy base transition detail.
 Response: Detail 4/A9.1 added.
- 18 Question: (ARCHITECTURAL): Are FRP panels w-5 noted on the finish schedule to be installed from base to ceiling or partial height only?
 Response: The FRP panels should be installed from wall base to ceiling. Specification section 09 77 20 Fiberglass Reinforced Panels has been revised to clarify. Wall Finish W-1 has been removed from the Lower-Level restroom finish tags.
- 19 Question: (ARCHITECTURAL): Can the AWI QCP label program be waived for the project so as long as the same quality standards are met?
 Response: We will not be waiving the AWI QCP certification and label program specified in 06 41 00. These requirements are in place to ensure consistent quality on millwork elements.
- 20 Question: (ARCHITECTURAL): In section 064200 Centennial Woods LLC is listed as the approved manufacturer for the reclaimed siding. Please define species and the finish of the siding. The spec discusses multiple finish options.
 Response: Specification section 06 42 00 has been revised to clarify.
- 21 Question: (ARCHITECTURAL): The project requires both SFRM and IFRM fireproofing methods. Can you define where each system is to be used? The drawings indicate IFRM on 3 columns in the Lower Level and 3 columns on the upper level. Please confirm these are the only locations for IFRM coatings.
 Response: The intent is that SFRM is to be used at concealed primary structural members and IFRM is to be used only at exposed primary structural members. The three columns indicated at the Lower Level and the three columns indicated at the Upper Level are the only locations to receive IFRM coatings.

General Notes:

Attachment (Laydown Area Sketch, Revised Specifications, Revised Drawings, Substitution Requests)

End Addendum Two

-  BUILDING G.C. PROCEEDS HERE FIRST
-  BRIDGE G.C. LAYDOWN/STAGING
-  SHARED ACCESS DURING BRIDGE CONSTRUCTION



SUBJECT BRIDGE

THIS SKETCH IS APPROXIMATE, JUST FOR GENERAL AREA CONSIDERATIONS

WHITE CLAY CREEK STATE PARK NATURE CENTER
WHITE CLAY CREEK STATE PARK
1475 CREEK ROAD, NEWARK, DE 19711
DIVISION OF PARKS AND RECREATION CONTRACT No. NAT25805-NATCTR

BID FORM

For Bids Due: June 2, 2026 and 1:00 pm To: Dept. of Natural Resources and Environmental Control
Division of Parks and Recreation
Office of Design and Development
89 Kings Highway, Dover DE 19901

Name of Bidder: _____

Delaware Business License No.: _____ Taxpayer ID No.: _____

(Other License Nos.): _____

Phone No.: () _____ - _____ Fax No.: () _____ - _____

The undersigned, representing that he has read and understands the Bidding Documents and that this bid is made in accordance therewith, that he has visited the site and has familiarized himself with the local conditions under which the Work is to be performed, and that his bid is based upon the materials, systems and equipment described in the Bidding Documents without exception, hereby proposes and agrees to provide all labor, materials, plant, equipment, supplies, transport and other facilities required to execute the work described by the aforesaid documents for the lump sum itemized below:

\$ _____

(\$ _____)

Contingency Allowance Sixty Thousand Dollars and Zero Cents (\$60,000.00)

Total Bid

\$ _____

(\$ _____)

WHITE CLAY CREEK STATE PARK NATURE CENTER
WHITE CLAY CREEK STATE PARK
1475 CREEK ROAD, NEWARK, DE 19711
DIVISION OF PARKS AND RECREATION CONTRACT No. NAT25805-NATCTR

BID FORM

ALTERNATES

Alternate prices conform to applicable project specification section. Refer to specifications for a complete description of the following Alternates. An “ADD” or “DEDUCT” amount is indicated by the crossed-out part that does not apply.

DEDUCT ALTERNATE No. 1: Shrubs

Deduct: _____
(\$ _____)

No. of Days to Complete Alternate 1: _____

DEDUCT ALTERNATE No. 2: Seed Mix

Deduct: _____
(\$ _____)

No. of Days to Complete Alternate 2: _____

DEDUCT ALTERNATE No. 3: Railing Material

Deduct: _____
(\$ _____)

No. of Days to Complete Alternate 3: _____

DEDUCT ALTERNATE No.4: Railing Material

Deduct: _____
(\$ _____)

No. of Days to Complete Alternate 4: _____

DEDUCT ALTERNATE No. 5: Green Roof

Deduct:

(\$ _____)

No. of Days to Complete Alternate 5: _____

DEDUCT ALTERNATE No. 6: Stone Veneer

Deduct:

(\$ _____)

No. of Days to Complete Alternate 6: _____

DEDUCT ALTERNATE No. 7: Folding Glass Storefront

Deduct:

(\$ _____)

No. of Days to Complete Alternate 7: _____

WHITE CLAY CREEK STATE PARK NATURE CENTER
 WHITE CLAY CREEK STATE PARK
 1475 CREEK ROAD, NEWARK, DE 19711
 DIVISION OF PARKS AND RECREATION CONTRACT No. NAT25805-NATCTR

BID FORM

UNIT PRICES

Unit prices conform to applicable project specification section. Refer to the specifications for a complete description of the following Unit Prices:

		DEDUCT	ADD
UNIT PRICE No. 1:	Additional Excavation	\$ _____	\$ _____
UNIT PRICE No. 2	Additional Tree & Brush Removal	\$ _____	\$ _____
UNIT PRICE No. 3	Additional Installation of Asphalt Paving	\$ _____	\$ _____
UNIT PRICE No. 4	Additional Installation of Concrete Paving	\$ _____	\$ _____
UNIT PRICE No. 5	Removal of Unsatisfactory Soils	\$ _____	\$ _____
UNIT PRICE No. 6	Excavation of Rock/Boulders	\$ _____	\$ _____

WHITE CLAY CREEK STATE PARK NATURE CENTER
WHITE CLAY CREEK STATE PARK
1475 CREEK ROAD, NEWARK, DE 19711
DIVISION OF PARKS AND RECREATION CONTRACT No. NAT25805-NATCTR

BID FORM

I/We acknowledge Addendums numbered _____ and the price(s) submitted include any cost/schedule impact they may have.

This bid shall remain valid and cannot be withdrawn for thirty (30) days from the date of opening of bids (60 days for School Districts and Department of Education), and the undersigned shall abide by the Bid Security forfeiture provisions. Bid Security is attached to this Bid.

The Owner shall have the right to reject any or all bids, and to waive any informality or irregularity in any bid received.

This bid is based upon work being accomplished by the Sub-Contractors named on the list attached to this bid.

Should I/We be awarded this contract, I/We pledge to achieve substantial completion of all the work within _____ calendar days of the Notice to Proceed.

The undersigned represents and warrants that he has complied and shall comply with all requirements of local, state, and national laws; that no legal requirement has been or shall be violated in making or accepting this bid, in awarding the contract to him or in the prosecution of the work required; that the bid is legal and firm; that he has not, directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken action in restraint of free competitive bidding.

Upon receipt of written notice of the acceptance of this Bid, the Bidder shall, within twenty (20) calendar days, execute the agreement in the required form and deliver the Contract Bonds, and Insurance Certificates, required by the Contract Documents.

I am / We are an Individual / a Partnership / a Corporation

By _____ Trading as _____
(Individual's / General Partner's / Corporate Name)

(State of Corporation)

Business Address: _____

WHITE CLAY CREEK STATE PARK NATURE CENTER
WHITE CLAY CREEK STATE PARK
1475 CREEK ROAD, NEWARK, DE 19711
DIVISION OF PARKS AND RECREATION CONTRACT No. NAT25805-NATCTR

BID FORM

Witness: _____ **By:** _____
(Authorized Signature)
(SEAL) _____
(Title)
Date: _____

ATTACHMENTS

Sub-Contractor List
Non-Collusion Statement
Affidavit of Employee Drug Testing Program
Affidavit of Contractor Qualifications
Bid Security
(Others as Required by Project Manuals)

WHITE CLAY CREEK STATE PARK NATURE CENTER
WHITE CLAY CREEK STATE PARK
1475 CREEK ROAD, NEWARK, DE 19711
DIVISION OF PARKS AND RECREATION CONTRACT No. NAT25805-NATCTR

BID FORM

SUBCONTRACTOR LIST

In accordance with Title 29, Chapter 69, Section 6962(d)(10)b of the Delaware Code, the following subcontractor listing must accompany any bid submittal. The bidder must list **in each category** the full name and address (City & State) of the sub-contractor that the bidder will be using to perform the work and provide material for that subcontractor category. Should the bidder's listed subcontractor intend to provide any of their subcontractor category of work through a third-tier contractor, the bidder shall list that third-tier contractor's full name and address (City & State). **If the bidder intends to perform any category of work itself, it must list its full name and address.** For clarification, if the bidder intends to perform the work themselves, the bidder **may not** insert "not applicable", "N/A", "self" or anything other than its own full name and address (City & State). To do so shall cause the bid to be rejected. In addition, the failure to produce a completed subcontractor list with the bid submittal shall cause the bid to be rejected. If you have more than three (3) third-tier contractors to report in any subcontractor category, print out additional page(s) containing the appropriate category, complete the rest of your list of third-tier contractors for that category, notate the addition in parentheses as (CONTINUATION) next to the subcontractor category and an asterisk (*) next to any additional third-tier contractors, and submit it with your bid.

Subcontractor Category	Subcontractor	Address (City & State)	Subcontractors tax payer ID # or Delaware Business license #
1. Sitework-A			
Sitework-B			
Sitework-C			
2. Paving -A			
Paving -B			
Paving -C			
3. Hardscape-A			
Hardscape-B			
Hardscape-C			
4. Landscape-A			
Landscape-B			

	Landscape-C			
5.	Masonry-A			
	Masonry-B			
	Masonry-C			
6.	Doors, Frames & Hardware-A			
	Doors, Frames & Hardware-B			
	Doors, Frames & Hardware-C			
7.	Painting-A			
	Painting-B			
	Painting-C			
8.	Concrete-A			
	Concrete-B			
	Concrete-C			
9.	Roofing-A			
	Roofing-B			
	Roofing-C			
10.	Mechanical-A			
	Mechanical-B			
	Mechanical-C			
11.	Plumbing-A			
	Plumbing-B			
	Plumbing-C			
12.	Electric-A			
	Electric-B			
	Electric-C			



20.	Ceilings-A			
	Ceilings-B			
	Ceilings-C			
21.	Epoxy Flooring-A			
	Epoxy Flooring-B			
	Epoxy Flooring-C			
22.	HVAC Controls-A			
	HVAC Controls-B			
	HVAC Controls-C			

WHITE CLAY CREEK STATE PARK NATURE CENTER
WHITE CLAY CREEK STATE PARK
1475 CREEK ROAD, NEWARK, DE 19711
DIVISION OF PARKS AND RECREATION CONTRACT No. NAT25805-NATCTR

BID FORM
NON-COLLUSION STATEMENT

This is to certify that the undersigned bidder has neither directly nor indirectly, entered into any agreement, participated in any collusion or otherwise taken any action in restraint of free competitive bidding in connection with this proposal submitted this date to the Division of Natural Resources and Environmental Control.

All the terms and conditions of CONTRACT No. NAT25805-NATCTR have been thoroughly examined and are understood.

NAME OF BIDDER: _____

**AUTHORIZED REPRESENTATIVE
(TYPED):** _____

**AUTHORIZED REPRESENTATIVE
(SIGNATURE):** _____

TITLE: _____

ADDRESS OF BIDDER: _____

E-MAIL: _____

PHONE NUMBER: _____

Sworn to and Subscribed before me this _____ day of _____ 20____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

WHITE CLAY CREEK STATE PARK NATURE CENTER
WHITE CLAY CREEK STATE PARK
1475 CREEK ROAD, NEWARK, DE 19711
DIVISION OF PARKS AND RECREATION CONTRACT No. NAT25805-NATCTR

**AFFIDAVIT
OF
EMPLOYEE DRUG TESTING PROGRAM**

4104 Regulations for the Drug Testing of Contractor and Subcontractor Employees Working on Large Public Works Projects requires that Contractors and Subcontractors implement a program of mandatory drug testing for Employees who work on Large Public Works Contracts funded all or in part with public funds.

We hereby certify that we have in place or will implement during the entire term of the contract a Mandatory Drug Testing Program for our employees on the jobsite, including subcontractors, that complies with this regulation:

Contractor/Subcontractor Name: _____

Contractor/Subcontractor Address: _____

Authorized Representative (typed or printed): _____

Authorized Representative (signature): _____

Title: _____

Sworn to and Subscribed before me this _____ day of _____ 20____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

WHITE CLAY CREEK STATE PARK NATURE CENTER
WHITE CLAY CREEK STATE PARK
1475 CREEK ROAD, NEWARK, DE 19711
DIVISION OF PARKS AND RECREATION CONTRACT No. NAT25805-NATCTR

**AFFIDAVIT
OF
CONTRACTOR QUALIFICATIONS**

We hereby certify that we will abide by the contractor's qualifications outlined in the construction bid specifications for the duration of the contract term.

In accordance with Title 29, Chapter 69, Section 6962(d)(10)b.3 of the Delaware Code, after a contract has been awarded the successful bidder shall not substitute another subcontractor whose name was submitted on the Subcontractor Form except for the reasons in the statute and not without written consent from the awarding agency. Failure to utilize the subcontractors on the list will subject the successful bidder to penalties as outlined in the General Requirements Section 5.2 of the contract.

Contractor Name: _____

Contractor Address: _____

Authorized Representative (typed or printed): _____

Authorized Representative (signature): _____

Title: _____

Sworn to and Subscribed before me this _____ day of _____ 20____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

(This Page Intentionally Left Blank)

SECTION 06 42 00 - WOOD PANELING



PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Reclaimed wood paneling (to be provided by owner).
- B. Shop finishing.

1.2 REFERENCE STANDARDS

- A. AWI/AWMAC/WI (AWS) - Architectural Woodwork Standards.
- B. AWMAC/WI (NAAWS) - North American Architectural Woodwork Standards, U.S. Version 3.0.

1.3 SUBMITTALS

- A. Product Data: Provide data on fire-retardant treatment materials and application instructions.
- B. Shop Drawings: Indicate materials, component profiles, fastening methods, jointing details, and accessories.
 - 1. Scale of Drawings: 1-1/2 inch to 1 foot, minimum.
 - 2. Provide information as required by AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS).

1.4 MOCK-UP

- A. Construct mock-up, 6 feet long by 6 feet wide, illustrating full panel sheet, edge trim, joint trim, applied finish .
- B. Locate where directed.
- C. Mock-up may remain as part of the Work.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Protect work from moisture damage.

PART 2 PRODUCTS

2.1 PANELING

- A. Reclaimed wood to be provided by the Owner.

2.2 ADHESIVES AND FASTENERS

- A. Adhesives: Type suitable for intended purpose, complying with applicable air quality regulations.
- B. Fasteners: Of size and type to suit application; stainless steel finish in concealed locations and stainless steel finish in exposed locations.

2.3 WATER BASED FIRE RETARDANT

- A. As specified in 099123 (Keynote: 099123-B).

2.4 SHOP TREATMENT OF WOOD MATERIALS

- A. Plane, sand smooth, clean and dry.

2.5 FABRICATION

- A. Prepare panels for delivery to site, permitting passage through building openings.
- B. Finish exposed edges of panels to meet requirements.
- C. When necessary to cut and fit on site, provide materials with ample allowance for cutting and scribing.

2.6 SHOP FINISHING

- A. Sand work smooth and set exposed nails and screws.
- B. Apply wood filler in exposed nail and screw indentations.
- C. Finish work in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS), Section 5 - Finishing for grade specified and as follows:
 - 1. Transparent:
 - a. System - 1, Lacquer, Nitrocellulose.
 - b. Stain: As selected by Architect.

c. Sheen: Flat.

d. Products:

1) Sherwin-Williams; Sher-Wood F3 Hi-Bild Precat Lacquer, Transparent, AWI Finishing System 2: www.sherwin-williams.com/#sle.

2) Or approved equal.

D. Wood Sealer: Factory-applied, water-based polymer, water-repellent sealer that reacts chemically with untreated, natural wood surfaces.

2.7 ACCESSORIES

A. Lumber for Shimming, Blocking: Softwood lumber of same species.

B. Wood Filler: Tinted to match surface finish color.

PART 3 EXECUTION

3.1 EXAMINATION

A. Verify adequacy of backing and support framing.

3.2 INSTALLATION

A. Install work in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS) requirements for grade indicated.

B. Do not begin installation until wood materials have been fully acclimated to interior conditions.

C. Set and secure materials and components in place, plumb and level, using concealed fasteners wherever possible.

D. Where necessary to cut and fit on site, scribe work abutting other components. Do not use additional overlay trim to conceal gaps.

E. Set exposed fasteners, fill with wood filler, and finish to match panel finish.

3.3 PREPARATION FOR FIELD FINISHING

A. Set exposed fasteners. Apply wood filler in exposed fastener indentations. Sand work smooth.

3.4 TOLERANCES

- A. Maximum Variation from True Position: 1/16 inch.

END OF SECTION

SECTION 09 67 00 - FLUID-APPLIED FLOORING

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Fluid-applied flooring and base.

1.2 REFERENCE STANDARDS

- A. ANSI/ESD STM7.1 - Standard Test Method for the Protection of Electrostatic Discharge Susceptible Items - Floor Materials - Resistive Characterization of Materials.
- B. ASTM F710 - Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring.
- C. ASTM F1869 - Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride.
- D. ASTM F2170 - Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using in situ Probes.

1.3 SUBMITTALS

- A. Product Data: Provide data on specified products, describing physical and performance characteristics; sizes, patterns and colors available.
- B. Samples for Verification: Submit two samples, 12 by 12 inch in size illustrating color, pattern and texture for each floor material for each color specified.
- C. Manufacturer's Installation Instructions: Indicate special procedures, perimeter conditions requiring special attention, and application rate for each coat.
- D. Maintenance Data: Include maintenance procedures, recommended maintenance materials, procedures for stain removal, repairing surface, and suggested schedule for cleaning.

1.4 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section with minimum five years documented experience.
- B. Applicator Qualifications: Company specializing in performing the work of this section.

1. Minimum five years of documented experience.
2. Approved by manufacturer.
- C. Supervisor Qualifications: Trained by product manufacturer , under direct full time supervision of manufacturer's own foreman.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Store resin materials in a dry, secure area.
- B. Store materials for three days prior to installation in area of installation to achieve temperature stability.

1.6 FIELD CONDITIONS

- A. Maintain minimum temperature in storage area of 55 degrees F.
- B. Store materials in area of installation for minimum period of 24 hours prior to installation.
- C. Maintain ambient temperature required by manufacturer 72 hours prior to, during, and 24 hours after installation of materials.

1.7 WARRANTY

- A. Submit written warranty signed by floor coating Manufacturer and installer agreeing to repair or replace floor coatings that do not meet requirements or that deteriorate within the warranty period indicated below. Warranty is to cover both materials and labor required for replacement.
 1. Warranty Period: 5 years after date of Substantial Completion.

PART 2 PRODUCTS

2.1 FLUID-APPLIED FLOORING SYSTEMS

- A. Fluid-Applied Flooring F-1: Epoxy base coat(s), with broadcast aggregate.
 1. Aggregate: Quartz granules. Double Broadcast.
 2. System Thickness: 1/8 inch, nominal, dry film thickness (DFT).
 3. Texture: Smooth.

- a. Orange Peel texture in Restroom 111, Restroom 112, Restroom 113, Restroom 114, Corridor 110, Closet 109, Restroom 203, Restroom 204, Restroom 205, Restroom 206, Mudroom 207, Mudroom 207B, Storage 207A.
 4. Cove Base: Color to match flooring
 5. Cove Base Texture: Smooth.
 6. Sheen: Gloss.
 7. Color: As noted on the drawings.
 8. System Components: Manufacturer's standard components that are compatible with each other and as follows:
 - a. Primer.
 - b. 1st Receiver Coat & Broadcast Aggregate Media.
 - c. UV Resistant Seal
 - d. Topcoat or Sealer.
 9. Products:
 - a. Basis of Design: Stonhard, Inc.; Stonblend FE
 - b. Or approved equal.
- B. Fluid-Applied Flooring Type F-3: Waterproof elastomeric urethane with epoxy top coat.
1. System Thickness: 40 mils, 0.04 inch, nominal, dry film thickness (DFT).
 2. Texture: Smooth.
 3. Color: As noted on the drawings.
 4. Cove Base: Color to match flooring, texture: smooth
 5. Products:
 - a. Stonhard; Stongard MR: www.stonhard.com/#sle.
 - b. Or approved equal.

2.2 ACCESSORIES

- A. Waterproofing Membrane: Type recommended or produced by manufacturer of Fluid-Applied Flooring system for type of service and floor condition indicated.
- B. Anti-Microbial Additive: Incorporate anti-microbial chemical additive to control growth of most bacteria, fungi, algae and actinomycetes.
 - 1. Provide anti-microbial additive in all flooring.
- C. Floor Transition Strips (Keynote: 096700-B): At locations indicated on drawings and as appropriate for material height.
 - 1. Basis of Design: Schluter Schiene or approved equal.
 - 2. Stainless Steel
- D. Zinc Termination Strip (Keynote: 096700-C): As indicated on drawings and as appropriate.
- E. Cant Strips: Molded of flooring resin material.
- F. Subfloor Filler: Type recommended by fluid-applied flooring manufacturer.
- G. Primer: Type recommended by fluid-applied flooring manufacturer.
- H. Joint Sealant: Type recommended or produced by resinous flooring manufacturer for type of service and joint condition indicated.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify that subfloor surfaces are smooth and flat within the tolerances specified for that type of work and are ready to receive flooring.
- B. Verify that wall surfaces are smooth and flat within the tolerances specified for that type of work, are dust-free, and are ready to receive flooring.
- C. Verify that subfloor surfaces are dust-free and free of substances that could impair bonding of materials to subfloor surfaces.
- D. Cementitious Subfloor Surfaces: Verify that substrates are ready for fluid-applied flooring installation by testing for moisture and alkalinity (pH).

1. Test as Follows:
 - a. Alkalinity (pH): ASTM F710.
 - b. Internal Relative Humidity: ASTM F2170.
 - c. Moisture Vapor Emission: ASTM F1869.
 2. Obtain instructions if test results are not within limits recommended by fluid-applied flooring manufacturer.
- E. Verify that required floor-mounted utilities are in correct location.

3.2 PREPARATION

- A. Remove subfloor ridges and bumps. Fill low spots, cracks, joints, holes, and other defects with subfloor filler.
- B. Prepare concrete control joints and expansion joints according to flooring manufacturer's instructions.
- C. Mechanically prepare (shot-blast) concrete surfaces according to flooring manufacturer's instructions.
- D. Apply, trowel, and float filler to achieve smooth, flat, hard surface. Grind irregularities above the surface level. Prohibit traffic until filler is cured.
- E. Vacuum clean substrate.
- F. Apply primer to surfaces required by flooring manufacturer.

3.3 TERMINATIONS

- A. Chase edges to "lock" the flooring system into the concrete substrate along lines of termination.
- B. Penetration Treatment: Lap and seal flooring system onto the perimeter of the penetrating item by bridging over compatible elastomer at the interface to compensate for possible movement.
- C. Trenches: Continue flooring system into trenches to maintain monolithic protection. Treat cold joints to assure bridging of potential cracks.
- D. Treat floor drains by chasing the flooring system to lock in place at point of termination.

3.4 JOINTS AND CRACKS

- A. Treat control joint to bridge potential cracks and to maintain monolithic protection.
- B. Treat cold joints and construction joint cracks and to maintain monolithic protection on horizontal and vertical surfaces as well as horizontal and vertical interfaces.
- C. Treat vertical and horizontal contraction and expansion joints by installing backer rod and compatible sealant after coating installation is completed. Provide sealant type recommended by manufacturer for traffic conditions and chemical exposures to be encountered.

3.5 INSTALLATION - ACCESSORIES

- A. Install cant strips at base of walls where flooring is to be extended up wall as base.

3.6 INSTALLATION - FLOORING

- A. Apply in accordance with manufacturer's instructions.
- B. Apply each coat to minimum thickness required by manufacturer.
- C. Hand trowel cove base mix to wall surfaces at locations shown on Finish Schedule to form cove base height of 4 inches unless otherwise indicated. Follow manufacturer's printed instructions and details including taping, mixing, priming, troweling, sanding, and top-coating of cove base.

3.7 FIELD QUALITY CONTROL

- A. Test installed floor surface in accordance with ANSI/ESD STM7.1 .

3.8 PROTECTION

- A. Prohibit traffic on floor finish for 48 hours after installation.
- B. Barricade area to protect flooring until fully cured.
- C. Cleaning: Remove temporary covering and clean flooring just prior to final inspection. Use cleaning materials and procedures recommended by flooring manufacturer.

END OF SECTION

SECTION 09 77 20 - FIBERGLASS REINFORCED PANELS

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Fiberglass reinforced plastic paneling adhered to unfinished gypsum wallboard.
- B. Decorative plastic wall paneling.

1.2 REFERENCE STANDARDS

- A. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials.

1.3 SUBMITTALS

- A. Product Data: Submit manufacturer's descriptive literature for each specified product. Include anchorage devices specific to project substrate types.
- B. Shop Drawings: Submit elevations for each application and location. Indicate details of joints and attachments.
- C. Samples: Submit two samples 12 by 12 inches in size, indicating finish, surface design, and color for each type of panels.

1.4 QUALITY ASSURANCE

- A. Conform to building code requirements for interior finish for smoke and flame spread requirements as tested in accordance with
 - 1. ASTM 84 (Method of test for surface burning characteristics of building mat
 - a. Wall Required Rating - Class C
- B. Sanitary Standards: System components and finishes to comply with:
 - 1. United States Department of Agriculture (USDA) requirements for food preparation facilities, incidental contact.
 - 2. Food and Drug Administration (FDA) 1999 Food Code 6-101.11.
- C. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section, with at least five years of documented experience.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Deliver products to project site in manufacturer's original packaging, marked with manufacturer's product identification.
- B. Store panels flat, indoors, on a clean, dry surface. Remove packaging and allow panels to acclimate to room temperature for 48 hours prior to installation.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Fiberglass reinforced plastic panel sheets complying with ASTM D 5319

1. Valto Engineered Materials: <https://valtoem.com/>
2. Nudo Products, Inc; FiberLite FRP: www.nudo.com/#sle.
3. Panolam Surface Systems: www.panolam.com/#sle.
4. or approved equal.

2.2 REGULATORY REQUIREMENTS

- A. Surface Burning Classification: Provide wall paneling assemblies meeting Class C when tested in accordance with ASTM E84.

2.3 FIBERGLASS REINFORCED PLASTIC PANELS

- A. Fiberglass reinforced plastic panel sheets complying with ASTM D 5319.
 1. Dimensions: 4'-0"x10'-0".
 2. Thickness: 0.090 inch nominal
 3. Properties: Resistant to rot, corrosion, staining, denting, peeling, and splintering.
 - a. Flexural Strength: 14,000 psi per ASTM D 790
 - b. Flexural Modulus: 0.69 psi per ASTM D 790.
 - c. Tensile Strength: 10,000 psi per ASTM D 638.
 - d. Water Absorption: 0.2% in 24 hours at 77 degrees F per ASTM D 570.
 - e. Barcol Hardness (scratch resistant) of 35 per ASTM D 2583.

4. Back Surface: Smooth. Imperfections which do not affect functional properties are not cause for rejection.
5. Surface Texture: Embossed.
6. Color: As selected by Architect from full range.
7. Adhesives: As recommended by manufacturer.

2.4 ACCESSORIES

1

- A. Trim accessories: Manufacturer's standard one piece designed to retain and cover edges of panels. Provide division bars, inside corners, and caps as needed to conceal edges.
 1. Color: Match panels.
- B. Moldings: As selected by Architect from manufacturer's full product range.
- C. Adhesives: As recommended by plastic paneling manufacturer.
- D. Fasteners: Non-staining nylon drive rivets.
 1. Match panel colors.
 2. Length to suit project needs.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify that substrate surfaces for adhered items are clean and smooth.
 1. Test painted or wall covering surfaces for adhesion in inconspicuous area, as recommended by manufacturer.
- B. Start of installation constitutes acceptance of project conditions.

3.2 INSTALLATION

- A. Install panels in accordance with manufacturer's instructions.
- B. Apply adhesive to back side of panel using trowel recommended by adhesive manufacturer.

- C. Install panels from ceiling to floor.

1

- D. Apply panels to wall with vertical joints plumb and horizontal joints level and pattern aligned with adjoining panels.
- E. Using a roller, apply pressure to panel face to ensure proper adhesion between surfaces.
- F. Install panels with manufacturer's recommended gaps for panel field and corner joints.
- G. Install trim with adhesive.
- H. Seal joints at wall base and between panels with approved sealant to prevent moisture intrusion.
- I. Remove excess sealant after paneling is installed and prior to curing.

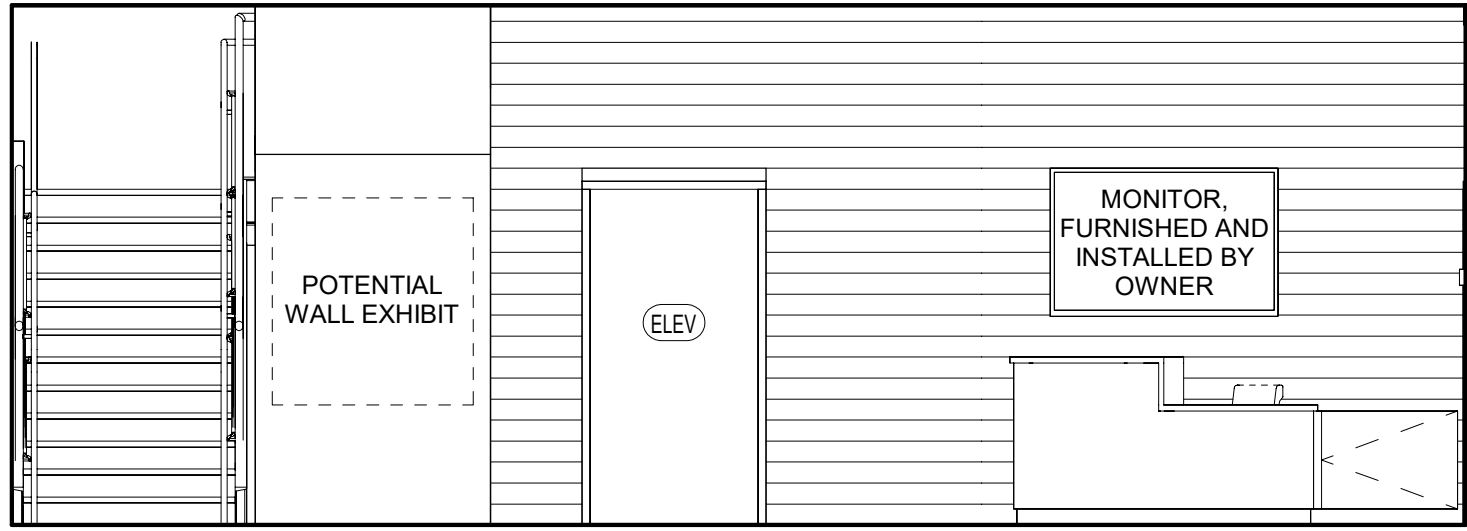
3.3 CLEANING

- A. Clean panel faces using cleaning agents and methods recommended by manufacturer to remove soiling.

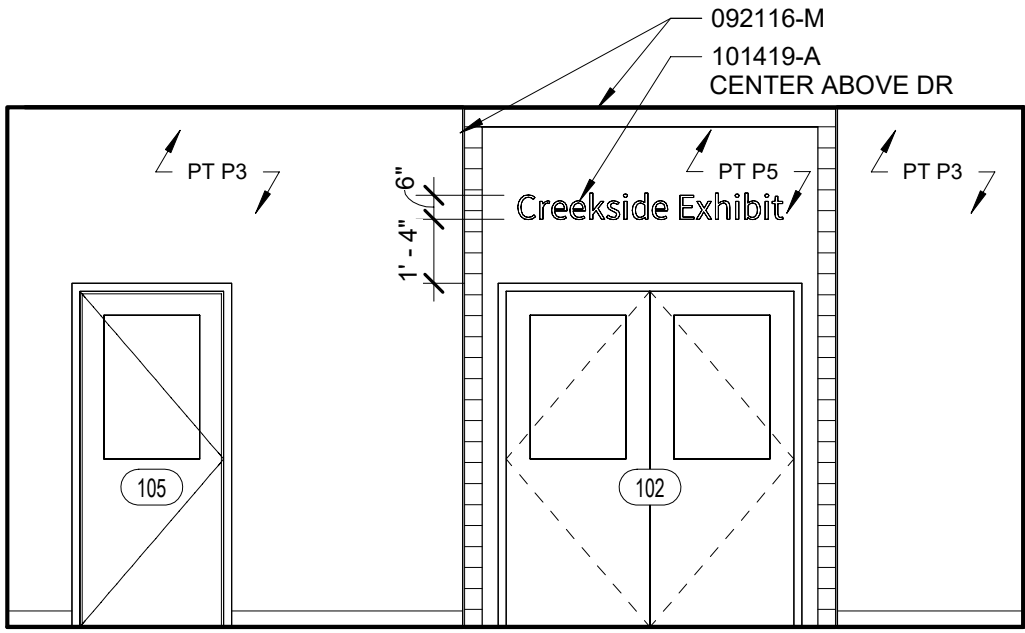
3.4 PROTECTION

- A. Protect installed interior wall paneling from subsequent construction operations.

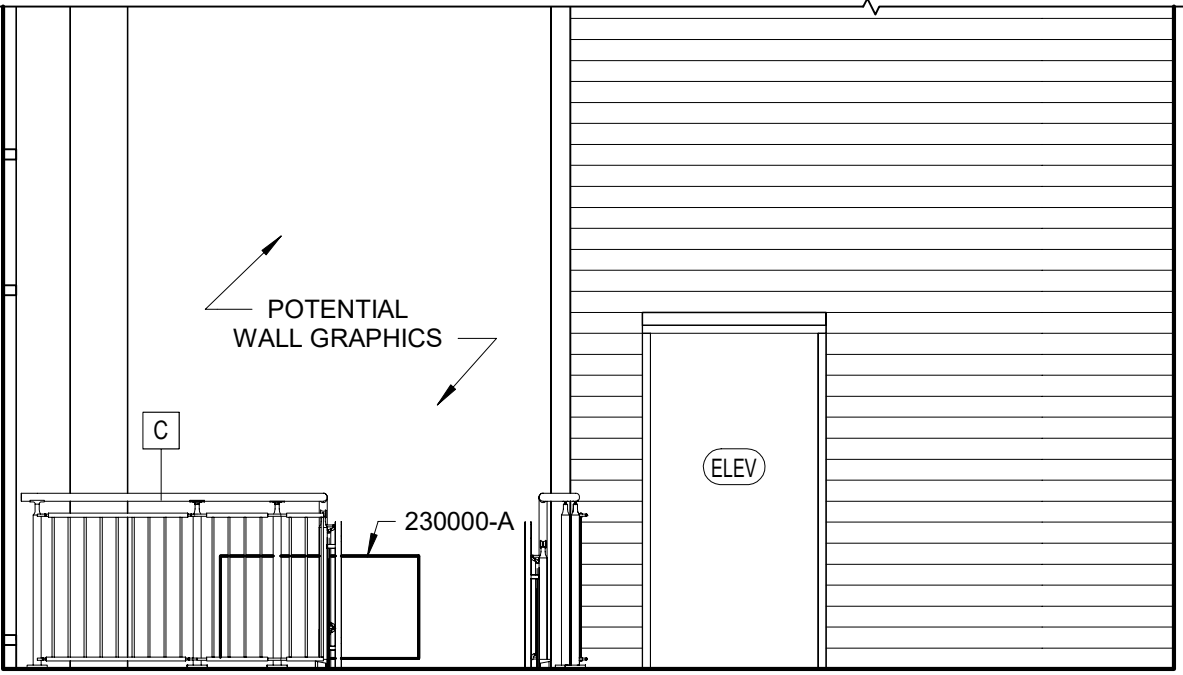
END OF SECTION



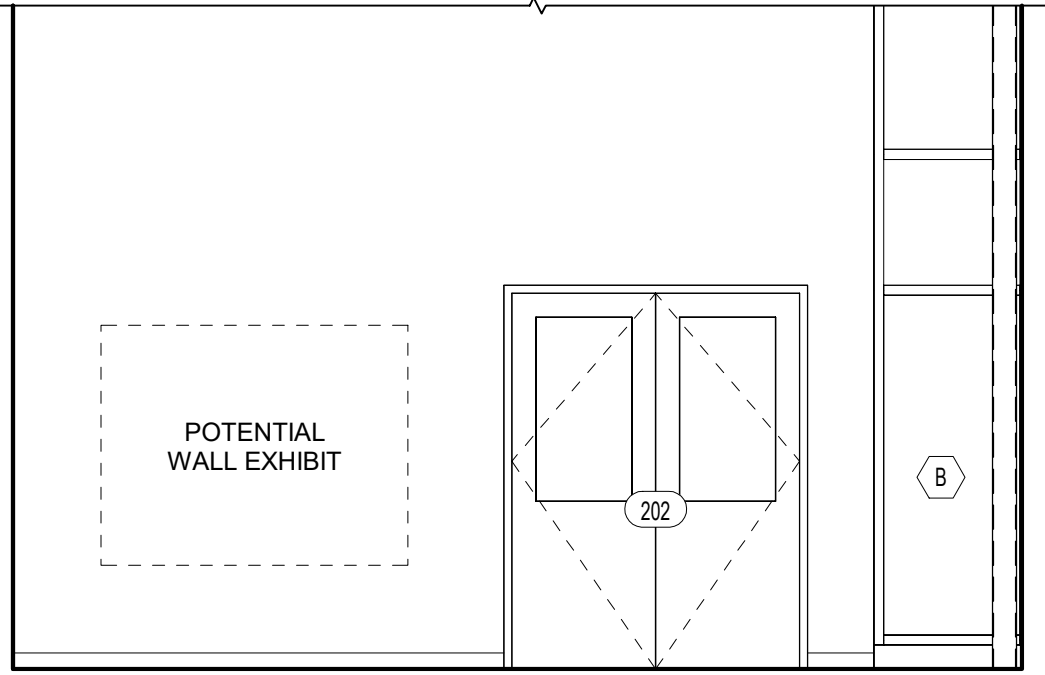
1
A7.2
INTERIOR ELEVATION
1/4" = 1'-0"



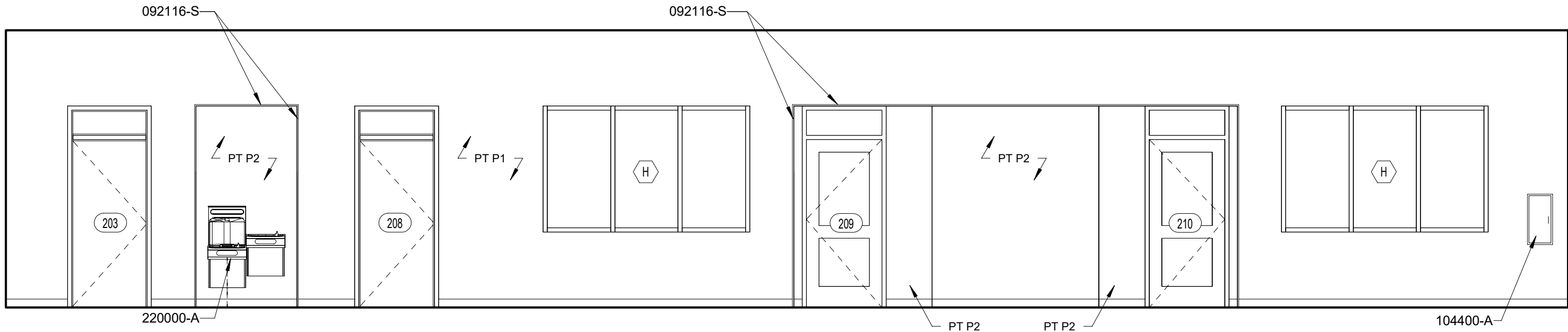
2
A7.2
INTERIOR ELEVATION
1/4" = 1'-0"



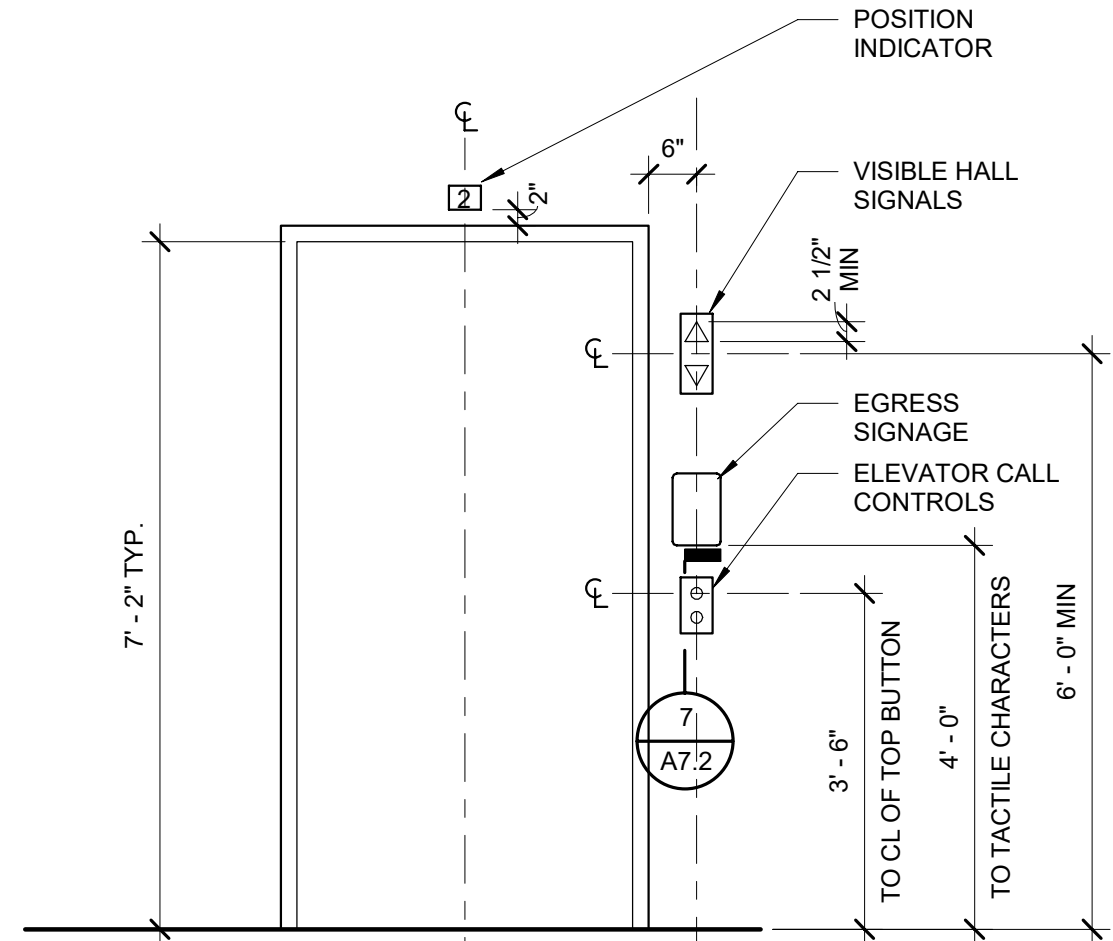
3
A7.2
INTERIOR ELEVATION
1/4" = 1'-0"



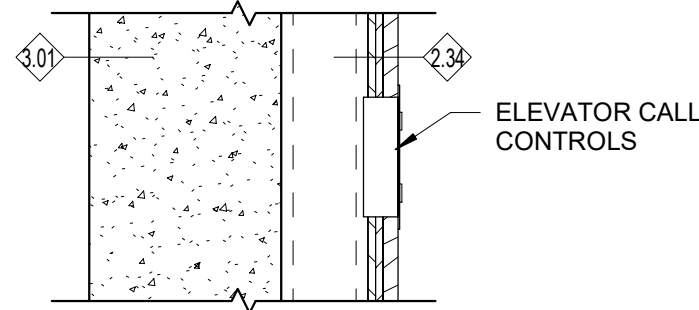
4
A7.2
INTERIOR ELEVATION
1/4" = 1'-0"



5
A7.2
INTERIOR ELEVATION
1/4" = 1'-0"



6
A7.2
TYP ELEVATOR LOBBY ELEVATION
1/2" = 1'-0"



7
A7.2
SECTION DETAIL
1 1/2" = 1'-0"



KEYNOTES LISTED ON THIS SHEET ARE FOR CONVENIENCE ONLY. REFER TO SHEET CS.2 FOR COMPLETE LIST

064200-A	RECLAIMED WOOD PANELING, TO BE PROVIDED BY OWNER
092116-M	METAL "F" REVEAL MOLDING, FRY REGLET DRMF 625-50 OR EQUAL
092116-S	METAL "W" REVEAL MOLDING, FRY REGLET DRMW 625-625 OR EQUAL
093000-A	WALL TILE, SEE SCHEDULE
101419-A	DIMENSIONAL CAST LETTERS, SURFACE MOUNTED, SIZE AS INDICATED
104400-A	RECESSED FIRE EXTINGUISHER CABINET WITH FIRE EXTINGUISHER
220000-A	PLUMBING (REFER TO PLUMBING FOR MORE INFORMATION)
230000-A	MECHANICAL (REFER TO MECHANICAL FOR MORE INFORMATION)

GENERAL NOTE: ALL DIMENSIONS FOR TOILET ROOM FIXTURES, ACCESSORIES, AND OTHER INTERIOR ITEMS ARE TO THE FACE OF FINISH IN THE A7 SERIES DRAWINGS.

LEGEND

HATCH	KEYNOTE	DESCRIPTION
	093000-A	DALTILE / COLOR WAVE, 3" X 6" COLOR: ICE WHITE, GLASS
	093000-A	DALTILE / COLOR WAVE, 3" X 6" COLOR: BLUE LAGOON, GLASS
	093000-A	DALTILE / COLOR WAVE, 3" X 6" COLOR: TWILIGHT BLUE, GLASS
	093000-A	STONESOURCE / PALERMO LIMESTONE 3D, 12" X 24" COLOR: PERLA 3D VELVET TEXTURED, NATURAL FINISH
	064200-A	RECLAIMED WOOD SIDING TO BE PROVIDED BY OWNER

NOTE: HATCHES REFER TO A7 SERIES ONLY



ISSUED FOR BID



GWWO INC.
1215 E FORT AVENUE, SUITE 24
BALTIMORE, MARYLAND 21201, 410-332-1009

© 2026 GWWO INC.

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF DELAWARE. LICENSE NUMBER: 35-0018571, EXPIRATION DATE: 01/31/2028

No.	Date	Description
1	5/14/2026	Addendum 02

WHITE CLAY CREEK STATE
PARK NATURE CENTER
STATE OF DELAWARE DEPARTMENT OF
NATURAL RESOURCES AND ENVIRONMENTAL
CONTROL DIVISION OF PARKS AND
RECREATION

Job No.	23014	KGK	Drawn
Scale	As indicated	DLP	Checked
Date	3/20/2026	MAL	Approved

Drawing Title Drawing Number

INTERIOR
ELEVATIONS
A7.2

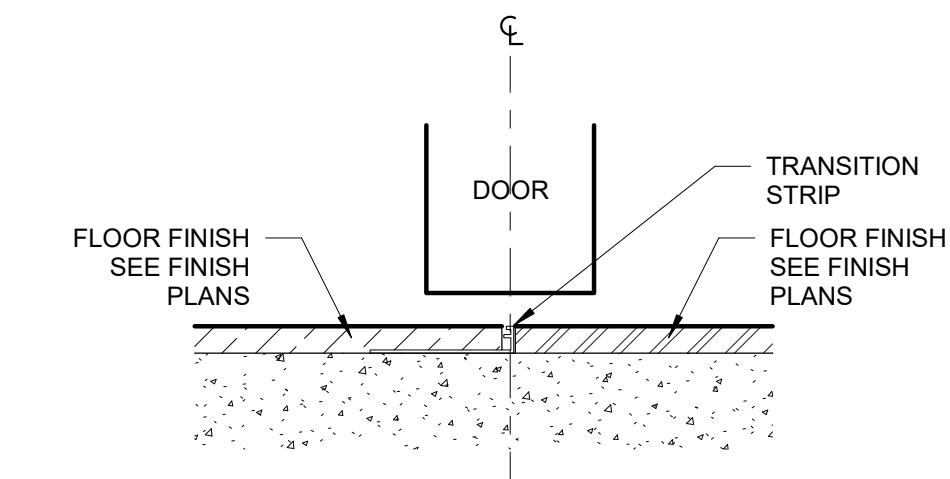
Sheet Of

INTERIOR FINISH SCHEDULE			
ROOM NAME ### ← ROOM NUMBER			
WALL	BASE	FL	
	ALT*		
* = ALTERNATE, IF APPLICABLE			
FINISH TYPES			
ITEM	MATERIAL DESCRIPTION	MFR/STYLE/COLOR	SECTION
WALL FINISH			
W-1	PAINTED WALLS	SEE PAINT SCHEDULE FOR TYPES & COLORS	099123-A
W-2	GLASS WALL TILE	DALTILE / COLOR WAVE, 3" X 6" / COLOR: VARIES (SEE A7)	093000-A
W-3	PORCELAIN TILE	CROSSVILLE / GOTHAM PORCELAIN STONE, AV321 LAMP POST, 12" X 24"	093000-A
W-4	RECLAIMED WOOD SIDING	TO BE PROVIDED BY OWNER	064200-A
W-5	FRP WALL PANEL	SEE SPEC	097720-A
BASE FINISH			
B-1	EPOXY COVE BASE	STONHARD / STONBLEND FE / STONE	096700-A
B-2	RUBBER BASE	TARKETT / JOHNSONITE 4" / 80 FAWN CB	096500-B
B-3	EPOXY COVE BASE	STONHARD / STONGARD MR / PEWTER	096500-B
FLOOR FINISH			
F-1	EPOXY FLOOR	STONHARD / STONBLEND FE / STONE	096700-A
F-2	CARPET	SHAW/CONTRACT / DREAM TILE / KINDRED / SERENE 48486	096813-A
F-3	EPOXY FLOOR	STONHARD / STONGARD MR / PEWTER	096700-A
NOTES: FOR PATTERNS, SEE FINISH PLANS AND INTERIOR ELEVATIONS.			

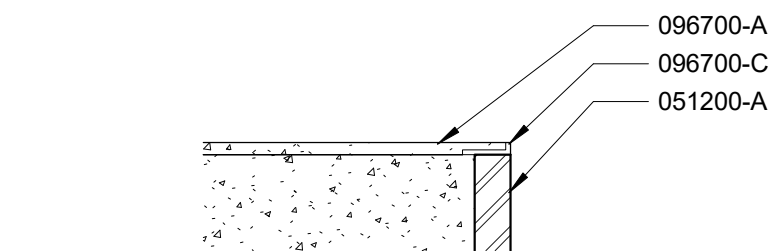
PAINT SCHEDULE	
ITEM	MFR/COLOR
P1	SHERWIN WILLIAMS - SW 9583 SANCTUARY
P2	SHERWIN WILLIAMS - SW 6516 DOWN POUR
P3	SHERWIN WILLIAMS - 7513 SANDERLING
P4	SHERWIN WILLIAMS - SW 7034 STATUS BRONZE
P5	SHERWIN WILLIAMS - SW 7076 CYBERSPACE
P6	SHERWIN WILLIAMS - SW 7006 EXTRA WHITE
NOTES: ALL PAINT TO BE P1 UNLESS NOTED OTHERWISE	

FLOOR TRANSITION SCHEDULE				
FLOOR FIN.	TO FLOOR FIN.	MFR/STYLE/COLOR	SECTION	DETAIL REF.
F-1	F-2	SCHLUTER - SCHIENE	096700-B	-
F-2	F-3	RUBBER REDUCER	096813-B	-
F-3	F-1	TERMINATION STRIP	096700-C	
NOTES: 1. THRESHOLDS PROVIDED IN 087100-C OVERRIDE THE ABOVE TRANSITIONS. 2. CENTER TRANSITIONS BELOW CENTER OF DOOR LEAF				

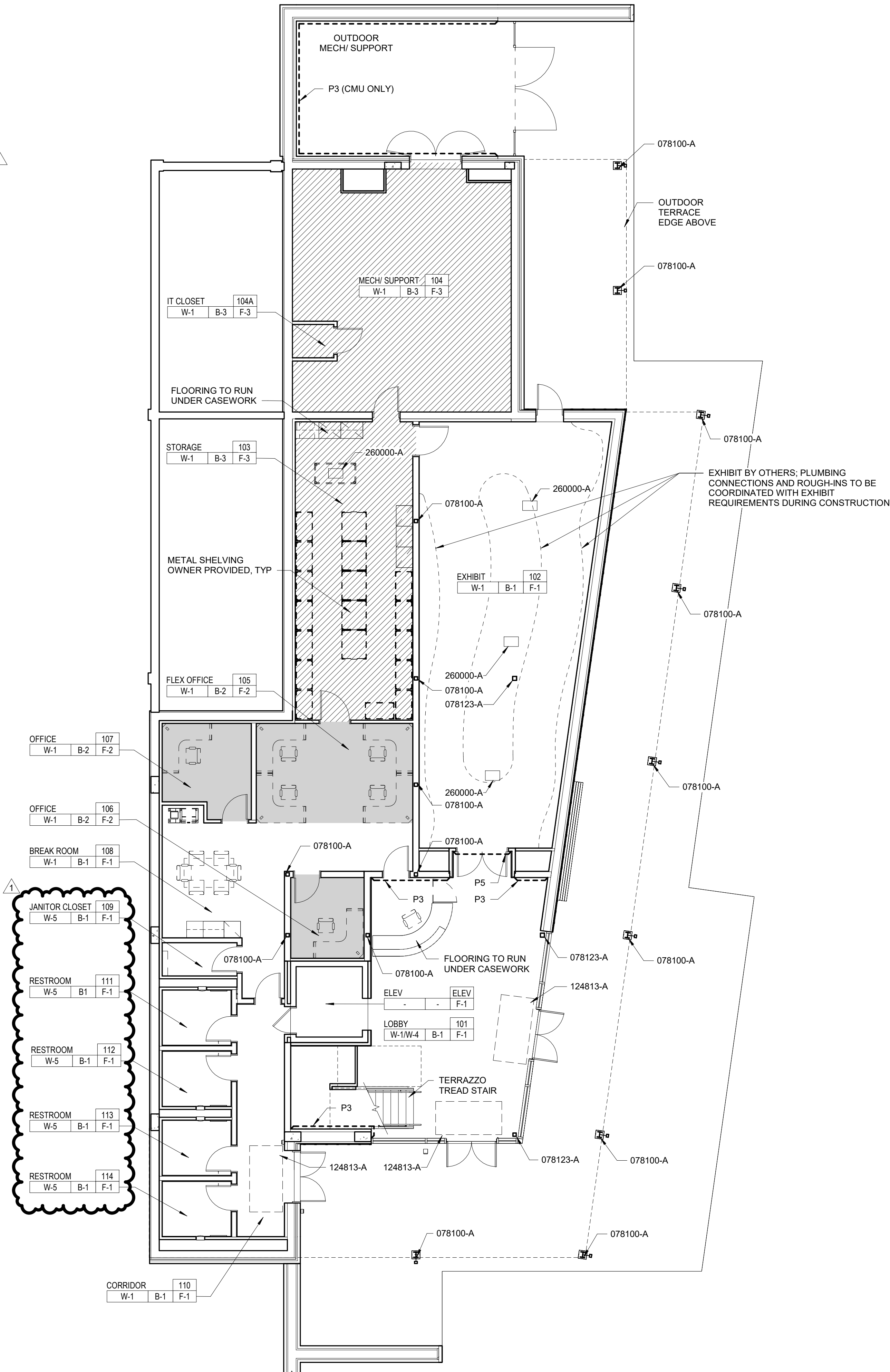
FLOORING LEGEND		
HATCH	TYPE	DESCRIPTION
	F-1	EPOXY FLOOR
	F-2	CARPET
	F-3	EPOXY FLOOR
NOTE: HATCHES REFER TO A9 SERIES ONLY		



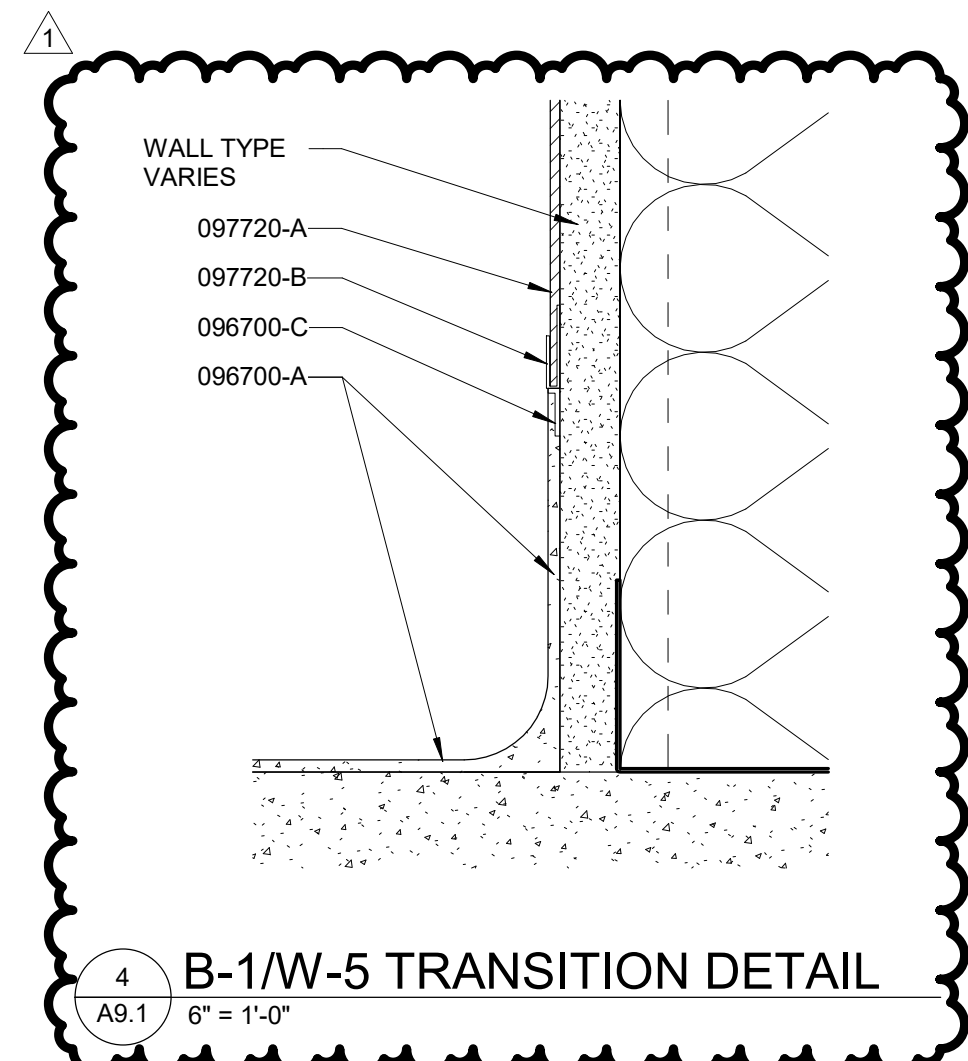
2 TYPICAL FLOOR TRANSITION DETAIL
A9.1 6" = 1'-0"



3 F-1 TERMINATION AT STAIR OPENING
A9.1 6" = 1'-0"



1 FINISH PLAN - LOWER FLOOR
A9.1 1/8" = 1'-0"



4 B-1/W-5 TRANSITION DETAIL
A9.1 6" = 1'-0"



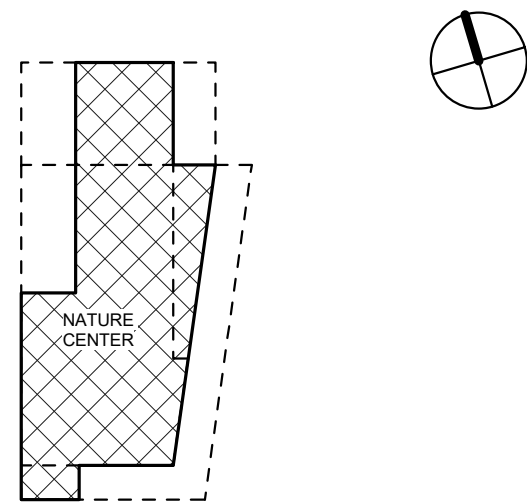
KEYNOTES LISTED ON THIS SHEET ARE FOR CONVENIENCE ONLY. REFER TO SHEET CS.2 FOR COMPLETE LIST

051200-A	STRUCTURAL STEEL (REFER TO STRUCTURAL FOR MORE INFORMATION)
064200-A	RECLAIMED WOOD PANELING, TO BE PROVIDED BY OWNER
078100-A	SPRAY-ON FIREPROOFING
078123-A	INTUMESCENT PAINT
087100-C	METAL THRESHOLD
093000-A	WALL TILE. SEE SCHEDULE
096500-B	RUBBER WALL BASE
096700-A	FLUID-APPLIED FLOORING
096700-B	FLOOR TRANSITION STRIP
096700-C	TERMINATION STRIP
096813-A	TILE CARPETING
096813-B	RUBBER REDUCER TRANSITION
097720-A	FIBERGLASS REINFORCED PANELS
097720-B	FRP TRIM
099123-A	INTERIOR PAINT
124813-A	WALK OFF MAT
260000-A	ELECTRICAL (REFER TO ELECTRICAL FOR MORE INFORMATION)

GENERAL NOTES

- HATCHING ON FINISH FLOOR PLANS IS NOT ILLUSTRATIVE OF MATERIAL PATTERN. HATCHING INDICATES EXTENT OF MATERIAL TYPE. SEE SCHEDULES

KEY PLAN:



8 0 8 16
SCALE OF FEET
1/8" = 1'-0"

ISSUED FOR BID

G|W
W|O

Seal:

GWWO INC.
1215 E FORT AVENUE, SUITE 24
BALTIMORE, MARYLAND 21204, 410-332-1009

© 2026 GWWO INC.

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF DELAWARE. LICENSE NUMBER: 35-0018571, EXPIRATION DATE 01/31/2028

Revisions:		
No.	Date	Description
1	5/14/2026	Addendum 02

WHITE CLAY CREEK STATE
PARK NATURE CENTER
STATE OF DELAWARE DEPARTMENT OF
NATURAL RESOURCES AND ENVIRONMENTAL
CONTROL DIVISION OF PARKS AND
RECREATION

Job No.	23014	JMP	Drawn
Scale	As indicated	DLP	Checked
Date	3/20/2026	MAL	Approved

Drawing Title Drawing Number

FINISH PLAN - LOWER
FLOOR

A9.1

Sheet Of

WIRING PANEL SCHEDULE P1

120/208 VOLTS			3 PHASE 4 WIRE				800 AMP MAINS				SURFACE			
CIR- CUIT	DESCRIPTION	WIRE/ CONDUIT	POLE	AMP	A	B	C	AMP	POLE	WIRE/ CONDUIT	DESCRIPTION	CIR- CUIT		
1	REC - RM 106	#12-3/4"	2	20 A	0.7	0.7		20 A	1	#12-3/4"	REC - EXTERIOR LOWER LEVEL	2		
3	REC - RM 109 & RM 115	#12-3/4"			1	20 A		0.9	0.7	20 A	1	#12-3/4"	REC - RM 105	4
5	REC - COPIER RM 106	#12-3/4"		20 A			0.2	0.7	20 A	1	#12-3/4"	REC - RM 102	6	
7	REC - COPIER RM 106	#12-3/4"		20 A	0.5	1.0			20 A	1	#12-3/4"	REC - RM 102	8	
9	REC - RM 108	#12-3/4"		20 A		0.5	0.2		20 A	1	#12-3/4"	REC - RM 102 FLOOR BOX	10	
13	REC - RM 108	#12-3/4"		20 A	0.2	0.2		0.2	0.2	20 A	1	#12-3/4"	REC - RM 102 FLOOR BOX	12
15	DISHWASHER - RM 109 (2)	#12-3/4"		20 A			0.5	0.5	20 A	1	#12-3/4"	REC - RM 102 FLOOR BOX	14	
17	REC - MICROWAVE RM 109 (2)	#12-3/4"		20 A				0.4	0.2	20 A	1	#12-3/4"	REC - RM 103	16
19	REC - RM 108	#12-3/4"		20 A	0.7	1.0			20 A	1	#12-3/4"	REC - RM 103 FLOOR BOX	18	
21	REC - RM 107	#12-3/4"		20 A		0.7	0.2		20 A	1	#12-3/4"	REC - RM 101	20	
23	REC-RMS 110, 111-114	#12-3/4"		20 A				1.1	0.3	20 A	1	#12-3/4"	REC - RM 101 FLOOR BOX	22
25	REC - RM 110 EWC (2)	#12-3/4"		20 A	0.2	0.9			20 A	1	#12-3/4"	AUTOMATIC DOOR RM 101	24	
27	AUTOMATIC DOOR RM 110	#12-3/4"		20 A			0.3	0.9	20 A	1	#12-3/4"	REC - EXTERIOR UPPER LEVEL	26	
29	REC - RM 208	#12-3/4"		20 A				0.7	0.2	20 A	1	#12-3/4"	REC - RMS 201 & 207	28
31	HAND DRYER - RM 208 (1)	#12-3/4"		20 A	0.4	0.7			20 A	1	#12-3/4"	REC - RM 207 EWC (2)	30	
33	REC - RMS 202 & 205	#12-3/4"		20 A			0.9	0.6				REC - RM 210	32	
35	REC - RMS 206, 206A, & 206B	#12-3/4"		20 A				0.7	0.6	15 A	3	#312-#12G-3/4"	MOTORIZED PARTITION - RM 209 / 210	34
37	REC - ELEVATOR	#12-3/4"		20 A	0.4	0.6							36	
39	BS-2, VRT-7 - VRT-12	#212-#12G-3/4"	2	15 A		1.1	1.1		20 A	1	#12-3/4"	REC - RM 209 & RM 211	38	
41	ECH-2	#12-3/4"		20 A	1.5	0.7		1.1	0.7	20 A	1	#12-3/4"	REC - RM 2109 POK-THRS	40
43	LTG - RMS 105-108, 111-115	#12-3/4"		20 A			1.1	6.7					42	
45	LTG - RMS 101, 102, & 201	#12-3/4"		20 A				0.6	6.7	80 A	3	#34-#8G-1-1/4"	VRP-1	44
47	EF-2	#12-3/4"		15 A	0.0	6.7							46	
51	REC - ROOF TOP	#12-3/4"		20 A			0.2	1.1					50	
53	LTG - EXTERIOR CANOPIES	#12-3/4"		20 A				0.4	1.1	15 A	2	#212-#12G-3/4"	BS-1, VRT-1 - VRT-6, & VRT-13	52
55	ECH-3	#12-3/4"		20 A	1.5	0.2			20 A	1	#12-3/4"	DHWRP-1	54	
57	EF-3	#12-3/4"		20 A			0.0	6.2					56	
59	EF-4	#12-3/4"		20 A				0.0	6.2	75 A	2	#24-#8G-1-1/4"	DWHS	58
61	REC - RM 211 AV EQUIPMENT	#12-3/4"		20 A	1.0	0.4			15 A	1	#12-3/4"	EF-1	60	
63	REC - RM 211 AV EQUIPMENT	#12-3/4"		20 A			1.0	0.2	20 A	1	#12-3/4"	TRAP PRIMER	62	
65	SPARE	#12-3/4"		20 A				0.0	1.5	20 A	1	#12-3/4"	ECH-1	64
67	SPARE	--		20 A	0.0	0.9			20 A	1	#12-3/4"	LTG - 2ND FLOOR	66	
69	SPACE & PROVISION	--	1	--		--	3.6		45 A	2	#2B & #8G-1"	ELECTRICAL VEHICLE SINGLE CHARGING STATION	70	
71	SPACE & PROVISION	--	1	--				--	3.6				72	
73	SPACE & PROVISION	--	1	--		--	0.1		20 A	1	#8-1"	LTG - CHARGING STATION	74	
75	SPACE & PROVISION	--	1	--		--	--			1	--	SPACE & PROVISION	76	
77	SPACE & PROVISION	--	1	--		--	--			1	--	SPACE & PROVISION	78	
79	SPACE & PROVISION (NOTE 4)	--	3	--		--	0.0						80	
81						--	--	0.0		30 A	3	#4B-#10 G-1"	EXTERNAL SURGE PROTECTIVE DEVICE	82
83						--	--	--	0.0				84	
85	SPACE & PROVISION (NOTE 4)	--	3	--		--	--	--		--	3	--	SPACE & PROVISION (NOTE 4)	86
87						--	--	--					88	
89						--	0.0						90	
91	SPACE & PROVISION (NOTE 4)	--	3	--		--	0.0			200 A	3	--	FUTURE PHOTOVOLTAIC SYSTEM (NOTE 3, 5)	92
93						--	--	0.0					94	
95								--	0.0				96	
97	PANEL S1 (VIA DOCKING STATION GDS) (NOTE 3)	#4350KCMIL #4G-3"C	3	300 A	19.0	1.9		18.1	1.9	100 A	3	#43-#8G-1-1/4"	ELEVATOR (NOTE 3)	98
101								18.7	1.9				102	
					42.1	49.3	48.0							
CONNECTED LOAD =					139.3	KVA	MAIN BREAKER					600 A	AMPS	
DEMAND LOAD =					131.2	KVA	NUMBER OF SECTIONS					1		
MIN A/C RATING =					65,000	AMPS	LOCATION					MECH/ SUPPORT 104		

LOAD	LOAD CLASSIFICATION	DESCRIPTION	CONNECTED (VA)	DEMAND (VA)	PANEL TOTALS
ELEV	ELEVATOR	PER NEC TABLE 620.14	5760.0 VA	5760.0 VA	
EOP	EQUIPMENT	100% CONTINUOUS LOAD	13716.0 VA	13716.0 VA	TOTAL LOAD (CONNECTED): 139.3 KVA
KIT	KITCHEN EQUIPMENT	PER NEC TABLE 220.56	0.0 VA	0.0 VA	TOTAL CURRENT (CONNECTED): 387 A
LTG	LIGHTING	100% CONTINUOUS LOAD	6566.0 VA	6566.0 VA	
MECH	MECHANICAL	100% CONTINUOUS LOAD	87038.8 VA	87038.8 VA	TOTAL LOAD (DEMAND): 131.2 KVA
REC	RECEPTACLE	PER NEC TABLE 220.44	26240.0 VA	18120.0 VA	TOTAL CURRENT (DEMAND): 364 A

NOTES:

1. MAIN CIRCUIT BREAKER: PROVIDE A 80% RATED, ELECTRONIC TRIP-TYPE CIRCUIT BREAKER WITH LSIG ADJUSTABLE TRIP SETTINGS, AND ARC ENERGY REDUCTION SETTING SERVING THE MAIN BUS. COORDINATE LSIG SETTINGS WITH COORDINATION STUDY RECOMMENDATIONS.

2. PROVIDE GFCI-TYPE BREAKER.

3. PROVIDE CIRCUIT BREAKER IN DISTRIBUTION MOUNTING SECTION.

4. PROVIDE SPACE & PROVISION IN DISTRIBUTION SECTION.

5. PROVIDE 200A SPARE CIRCUIT BREAKER TO SERVE FUTURE PHOTOVOLTAIC SYSTEM IN DISTRIBUTION SECTION.

WIRING PANEL SCHEDULE E1													
120/208 VOLTS			3 PHASE 4 WIRE				100 AMP MAINS				SURFACE		
CIR- CUIT	DESCRIPTION	WIRE/ CONDUIT	POLE	AMP	A	B	C	AMP	POLE	WIRE/ CONDUIT	DESCRIPTION	CIR- CUIT	
1	LTG - EXTERIOR LIGHTING	#12-3/4" C	1	20 A	0.6	0.7		20 A	1	#8-3/4" C	LTG- PATHWAY BOLLARDS	2	
3	LTG - FIRST FLOOR	#12-3/4" C	1	20 A			1.0 0.8	20 A	1	#12-3/4" C	LTG - 2ND FLOOR	4	
5	LTG - ELEVATOR 1	#12-3/4" C	1	20 A				0.3 0.5	20 A	1	#12-3/4" C	SMOKE DAMPER - 1ST & 2ND...	6
7	ELEVATOR CAB LIGHTING	#12-3/4" C	1	20 A	0.2	0.0			20 A	1	--	SPARE	8
9	REC - ELEVATOR CONTROL ROOM	#12-3/4" C	1	20 A			0.2 0.0		20 A	1	--	SPARE	10
11	FIRE ALARM CONTROL PANEL	#12-3/4" C	1	20 A				1.0 0.0	20 A	1	--	SPARE	12
13	SPARE	--	1	20 A	0.0	0.0			20 A	1	--	SPARE	14
15	SPARE	--	1	20 A			0.0 0.0		20 A	1	--	SPARE	16
17	SPARE	--	1	20 A				0.0 0.0	20 A	1	--	SPARE	18
19	SPARE	--	1	20 A	0.0	0.0			20 A	1	--	SPARE	20
21	SPARE	--	1	20 A			0.0 0.0		20 A	1	--	SPARE	22
23	SPARE	--	1	20 A				0.0 0.0	20 A	1	--	SPARE	24
25	SPACE & PROVISION	--	1	--	--	0.0		30 A	3	4#8+ #10 G- 1" C	EXTERNAL SURGE PROTECTIVE DEVICE	26	
27	SPACE & PROVISION	--	1	--		-- 0.0						28	
29	SPACE & PROVISION	--	1	--			-- 0.0					30	
					1.4	1.9	1.8						
CONNECTED LOAD =					5.2	KVA	MAIN BREAKER					30 A	AMPS
DEMAND LOAD =					5.2	KVA	NUMBER OF SECTIONS					1	
MIN AIC RATING =					22,000	AMPS SYMMETRICAL	LOCATION					MECH/ SUPPORT 104	
LOAD	LOAD CLASSIFICATION	DESCRIPTION	CONNECTED (VA)	DEMAND (VA)	PANEL TOTALS								
ELEV	ELEVATOR	PER NEC TABLE 620.14	0.0 VA	0.0 VA									
EQP	EQUIPMENT	100% CONTINUOUS LOAD	1000.0 VA	1000.0 VA									
KIT	KITCHEN EQUIPMENT	PER NEC TABLE 220.56	0.0 VA	0.0 VA	TOTAL LOAD (CONNECTED): 5.2 kVA								
LTG	LIGHTING	100% CONTINUOUS LOAD	3444.5 VA	3444.5 VA	TOTAL CURRENT (CONNECTED): 14 A								
MECH	MECHANICAL	PER NEC TABLE 220.44	540.0 VA	540.0 VA									
REC	RECEPTACLE	PER NEC TABLE 220.44	180.0 VA	180.0 VA	TOTAL LOAD (DEMAND): 5.2 kVA								
					TOTAL CURRENT (DEMAND): 14 A								
NOTES:													

WIRING PANEL SCHEDULE S1

120/208 VOLTS			3 PHASE 4 WIRE				400 AMP MAINS				SURFACE							
CIR- CUIT	DESCRIPTION	WIRE/ CONDUIT	POLE	AMP	A	B	C	AMP	POLE	WIRE/ CONDUIT	DESCRIPTION	CIR- CUIT						
1	SEWAGE EJECTOR PUMP	#12-3/4"	3	20 A	1.2	0.3		20 A	2	#2#8+ #8G-3/4"	CHAMBERS HOUSE WELL PUMP (VIA XFMR T1)	2						
3		#2#2-										REC - IT CLOSET	4					
5	AHU-1 (2)	#6G-1-1/4"				10.1	0.3				10.1	0.2	REC - IT CLOSET	6				
7					10.1	0.2						REC - U.C. FRIDGE RM 103 (1)	8					
9			3	50 A		4.0	0.4	20 A	1	#12-3/4"	REC - REFRIGERATOR RM 109 (1)	10						
11	ACCU-1	#3#8+ #10G-1"									4.0	1.0	REC - RM 111 & 112 FAUCET	12				
13					4.0	0.4						REC - RM 113 & 114 FAUCET	14					
15	ELEVATOR SUMP PUMP	#12-3/4"				0.2	0.4					20 A	1	REC - RM 113 & 114 FAUCET	16			
17	REC - RM 203 & 206 FAUCETS	#12-3/4"	1	20 A			0.4	0.4	20 A	1	#12-3/4"	HAND DRYER - RM 111 (1)	18					
19	HAND DRYER - RM 206 (1)	#12-3/4"	1	20 A	0.4	0.4			20 A	1	#12-3/4"	HAND DRYER - RM 112 (1)	20					
21	HAND DRYER - RM 203 (1)	#12-3/4"	1	20 A			0.4	0.4	20 A	1	#12-3/4"	HAND DRYER - RM 113 (1)	22					
23	HAND DRYER - RM 203 (1)	#12-3/4"	1	20 A				0.4	0.4	20 A	1	#12-3/4"	HAND DRYER - RM 114 (1)	24				
25	REC - RM 208 (1)	#12-3/4"	1	20 A	0.4	0.2			20 A	1	#12-3/4"	REC - WATER FILTRATION	26					
27	SPARE	--	1	20 A			0.0	0.0	20 A	1	--	SPARE	28					
29	SPARE	--	1	20 A				0.0	0.0	20 A	1	--	SPARE	30				
31	SPARE	--	1	20 A	0.0	0.0			20 A	1	--	SPARE	32					
33	SPACE & PROVISION	--	1	--		--	--		--	1	--	SPACE & PROVISION	34					
35	SPACE & PROVISION	--	1	--				--	--	1	--	SPACE & PROVISION	36					
37	PANEL E1	#4#10+ #10 G-1"	3	30 A	1.4	0.0		30 A	3	#4#8+ #10 G-1"	EXTERNAL SURGE PROTECTIVE DEVICE	38						
39	(VIA LIGHTING INVERTER)					1.9	0.0					40						
41																		
42						19.0	18.1				18.7							
CONNECTED LOAD = 55.7 KVA																		
DEMAND LOAD = 55.7 KVA																		
MIN AIC RATING = 22,000 AMPS SYMMETRICAL																		
MAIN BREAKER 300 A AMPS																		
NUMBER OF SECTIONS 1																		
LOCATION MECH/SUPPORT 104																		
LOAD	LOAD CLASSIFICATION	DESCRIPTION	CONNECTED (VA)	DEMAND (VA)	PANEL TOTALS													
ELEV	ELEVATOR	PER NEC TABLE 620.14	0.0 VA	0.0 VA														
EQP	EQUIPMENT	100% CONTINUOUS LOAD	3730.0 VA	3730.0 VA														
KIT	KITCHEN EQUIPMENT	PER NEC TABLE 220.56	0.0 VA	0.0 VA														
LTG	LIGHTING	100% CONTINUOUS LOAD	3444.5 VA	3444.5 VA														
MECH	MECHANICAL	100% CONTINUOUS LOAD	44717.0 VA	44717.0 VA														
REC	RECEPTACLE	PER NEC TABLE 220.44	3780.0 VA	3780.0 VA														
					TOTAL LOAD (CONNECTED): 55.7 KVA													
					TOTAL CURRENT (CONNECTED): 155 A													
					TOTAL LOAD (DEMAND): 55.7 KVA													
					TOTAL CURRENT (DEMAND): 155 A													
NOTES:																		
(1) PROVIDE GFCI-TYPE CIRCUIT BREAKER.																		
(2) BREAKER SHALL BE SUB-FED.																		



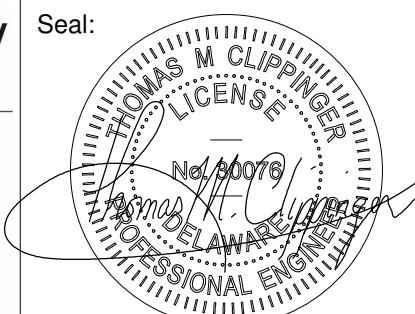
ISSUED FOR BID



Mechanical & Electrical
Consulting Engineers

11155 Red Run Boulevard, Suite 310
Baltimore, Maryland 21117

tel 410-265-6100
jamesposey.com



JPA Project No.: 7827-23

G	W
W	O

GWWO INC.
1215 E FORT AVENUE, SUITE 24
BALTIMORE, MARYLAND 21230, 410-332-1009

© 2026 James Posey Associates, Inc.

Revisions:		
No.	Date	Description
1	5/14/2026	ADDENDUM 02

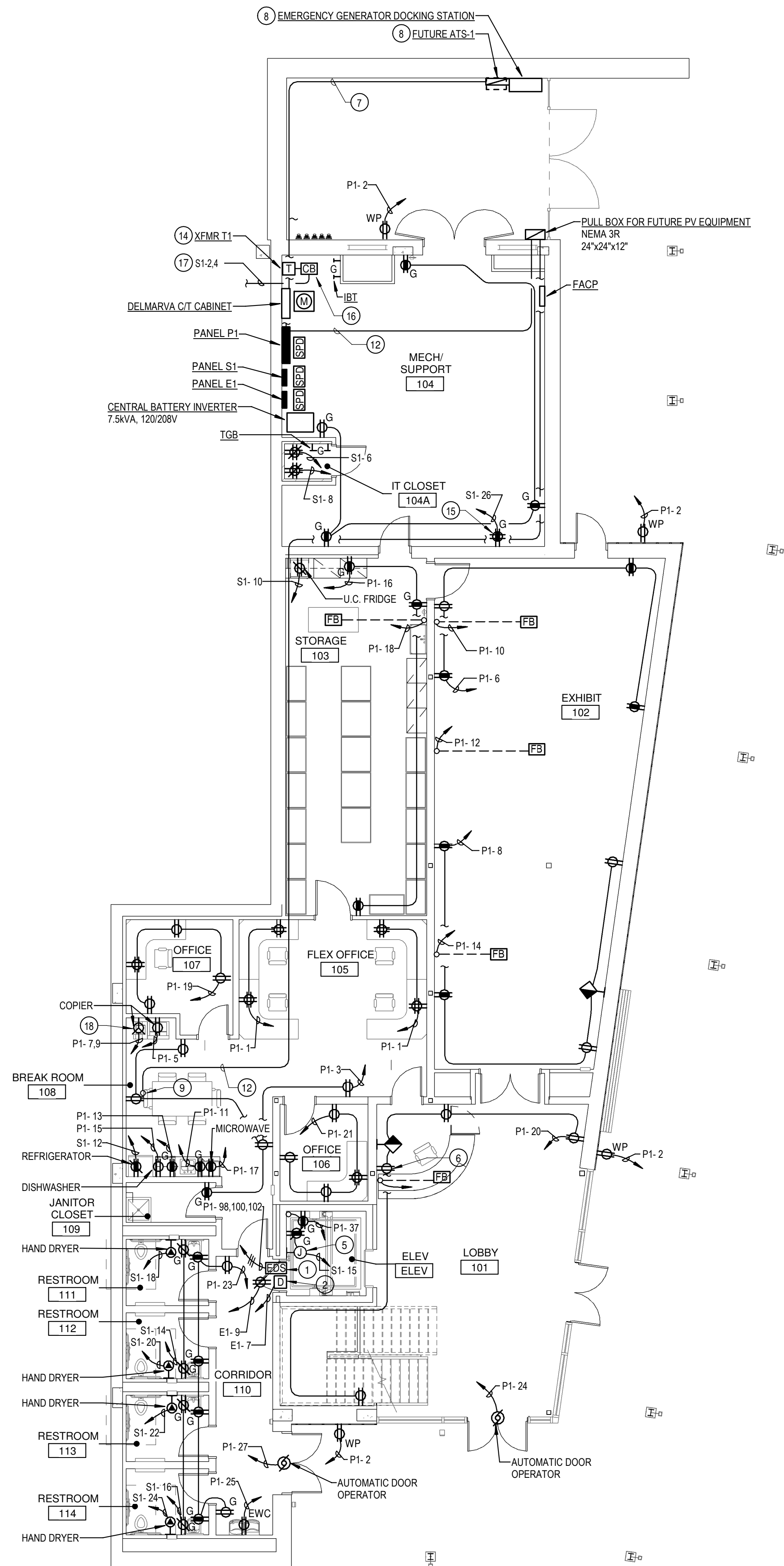
WHITE CLAY CREEK STATE
PARK NATURE CENTER
STATE OF DELAWARE DEPARTMENT OF
NATURAL RESOURCES AND ENVIRONMENTAL
CONTROL DIVISION OF PARKS AND
RECREATION

Job No.	23014	ANH	Drawn
Scale		ANH	Checked
Date	3/20/26	PM	Approved

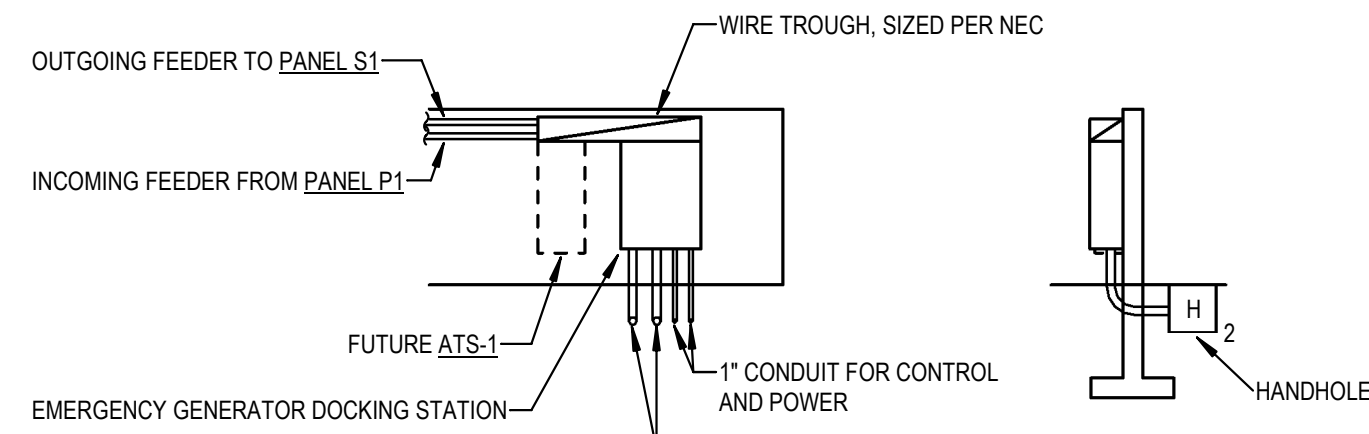
Drawing Title	Drawing Number
---------------	----------------

SCHEDULES	E6.3
Sheet	Of

P1	E1
	S1



1 LOWER FLOOR PLAN - POWER - NEW WORK
EP1.1 SCALE: 1/8" = 1'-0"

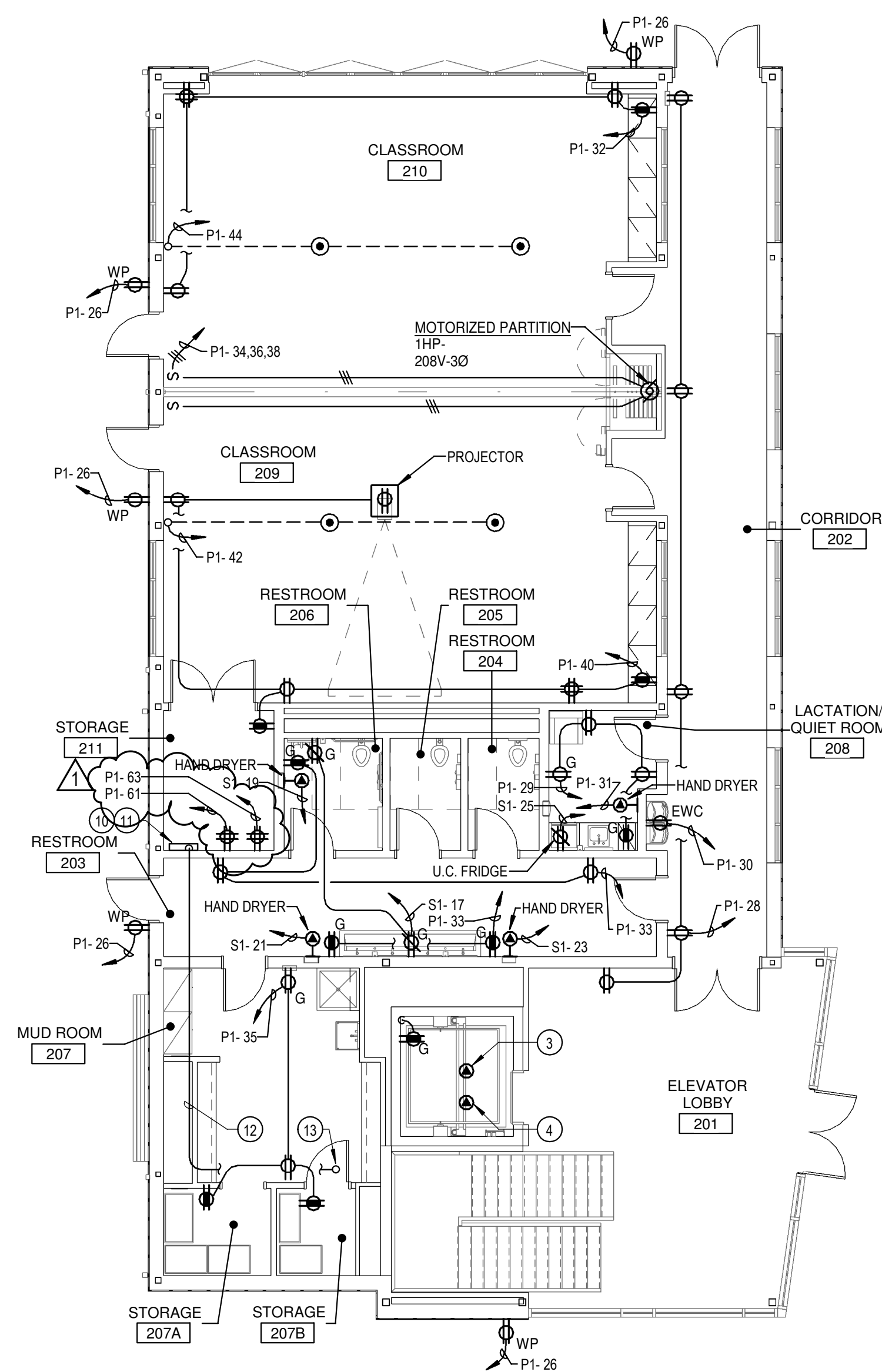


FRONT ELEVATION SIDE

DIAGRAM  _

DOCKING STATION ELEVATION

NOT TO SCALE



2 UPPER FLOOR PLAN - POWER - NEW WORK
EP1.1 SCALE: 1/8" = 1'-0"

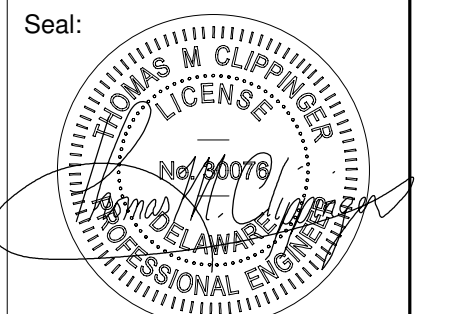
SPECIFIC NOTES:

- 1 PROVIDE 3P-25A-240V ELEVATOR DISCONNECTING SWITCH. FUSE PER ELEVATOR MANUFACTURER'S REQUIREMENTS. COORDINATE EXIST LOCATION WITH ELEVATOR MANUFACTURER'S INSTALLATION REQUIREMENTS. MAKE CONNECTIONS TO ELEVATOR EQUIPMENT PER ELEVATOR MANUFACTURER'S REQUIREMENTS.
- 2 PROVIDE 3P-30A-240V NON-FUSED ENCLOSED SWITCH FOR ELEVATOR CAB. COORDINATE EXIST LOCATION WITH ELEVATOR MANUFACTURER'S INSTALLATION REQUIREMENTS. MAKE CONNECTIONS TO ELEVATOR CAB PER ELEVATOR MANUFACTURER'S REQUIREMENTS.
- 3 ELEVATOR CONTROLLER: 208Y-3Ø
- 4 ELEVATOR CAB LIGHTING: 120V
- 5 INSTALL SUMP PUMP JUNCTION BOX ON PUMP MANUFACTURER'S REQUIREMENTS. COORDINATE EXIST LOCATION WITH PUMP MANUFACTURER'S INSTALLATION REQUIREMENTS. PROVIDE CONDUIT FOR CABLEING BACK TO SUMP PUMP CONTROL PANEL LOCATED IN JANITOR CLOSET 109. SIZE CONDUIT PER MANUFACTURER'S REQUIREMENT FOR CABLE SIZE.
- 6 FINISH COLOR FOR WIRING DEVICES LOCATED ON ARCHITECTURAL RECLAIMED WOOD WALL SHALL BE BROWN AND PROVIDED WITH A MATCHING FACEPLATE. FINAL FINISH SELECTION SHALL BE COORDINATED WITH ARCHITECT PRIOR TO ORDERING.
- 7 PROVIDE TWO (2) 3" CONDUIT MOUNTED ALONG THE ENCLOSURE WALL 6'-0" ABOVE FLOOR FOR THE FOLLOWING:
 - ONE (1) 3" CONDUIT FOR INCOMING FEEDER FROM PANEL P1 TO DOCKING STATION PULLBOX.
 - ONE (1) 3" CONDUIT FOR OUTGOING FEEDER FROM DOCKING STATION PULLBOX TO PANEL S1.
- 8 REFER TO DIAGRAM 3PEP1.F FOR ADDITIONAL MOUNTING DETAILS.
- 9 REFER TO DRAWING 1PEP1.F FOR CONDUIT CONTINUATION.
- 10 PROVIDE 24"x16"x4" (HWWD) VERTICAL PULLBOX ABOVE ACCESSIBLE CEILING FOR PV PROVISION POWER.
- 11 REFER TO DRAWING 1PEP1.F FOR CONDUIT CONTINUATION.
- 12 PROVIDE 2.5" PROVISIONAL CONDUIT FOR FUTURE ROOFTOP PV SYSTEM ABOVE ACCESSIBLE CEILING, WHERE APPLICABLE.
- 13 REFER TO DRAWING 1PEP2.F FOR CONDUIT CONTINUATION.
- 14 PROVIDE NOMINAL 208 VOLT (PRIMARY): 240 VOLT (SECONDARY) SINGLE PHASE BUCK / BOOST TRANSFORMER IN NEMA TYPE 1 ENCLOSURE 1' ENCLOSURE.
- 15 LOCATE RECEPTACLE ADJACENT TO WATER FILTRATION SYSTEM. COORDINATE EXIST MOUNTING LOCATION WITH MANUFACTURER REQUIREMENTS.
- 16 PROVIDE 1P-20A-240V ENCLOSED CIRCUIT BREAKER. WALL MOUNTED ABOVE BUCK / BOOST TRANSFORMER IN NEMA TYPE 1 ENCLOSURE TO PROTECT FEEDERS FEEDING ETR WELL PUMP FROM THE SECONDARY SIDE OF THE TRANSFORMER.
- 17 CONDUIT CONTINUED ON SITE PLAN E50.2.
- 18 CONTRACTOR TO COORDINATE NEMA CONFIGURATION WITH OWNER PROVIDED COPIER'S REQUIREMENTS.

ISSUED FOR BID



Mechanical & Electrical
Consulting Engineers
11155 Red Run Boulevard, Suite 310
Baltimore, Maryland 21117
tel 410-265-6100
jamesposey.com



JPA Project No.: 7827-23



GWWO INC.
1215 E FORT AVENUE, SUITE 24
BALTIMORE, MARYLAND 21230, 410-332-1009

© 2026 James Posey Associates, Inc.

Revisions:		
No.	Date	Description
1	5/14/2026	ADDENDUM 02

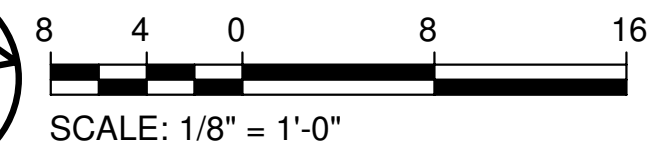
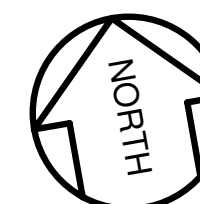
**WHITE CLAY CREEK STATE
PARK NATURE CENTER**
STATE OF DELAWARE DEPARTMENT OF
NATURAL RESOURCES AND ENVIRONMENTAL
CONTROL DIVISION OF PARKS AND
RECREATION

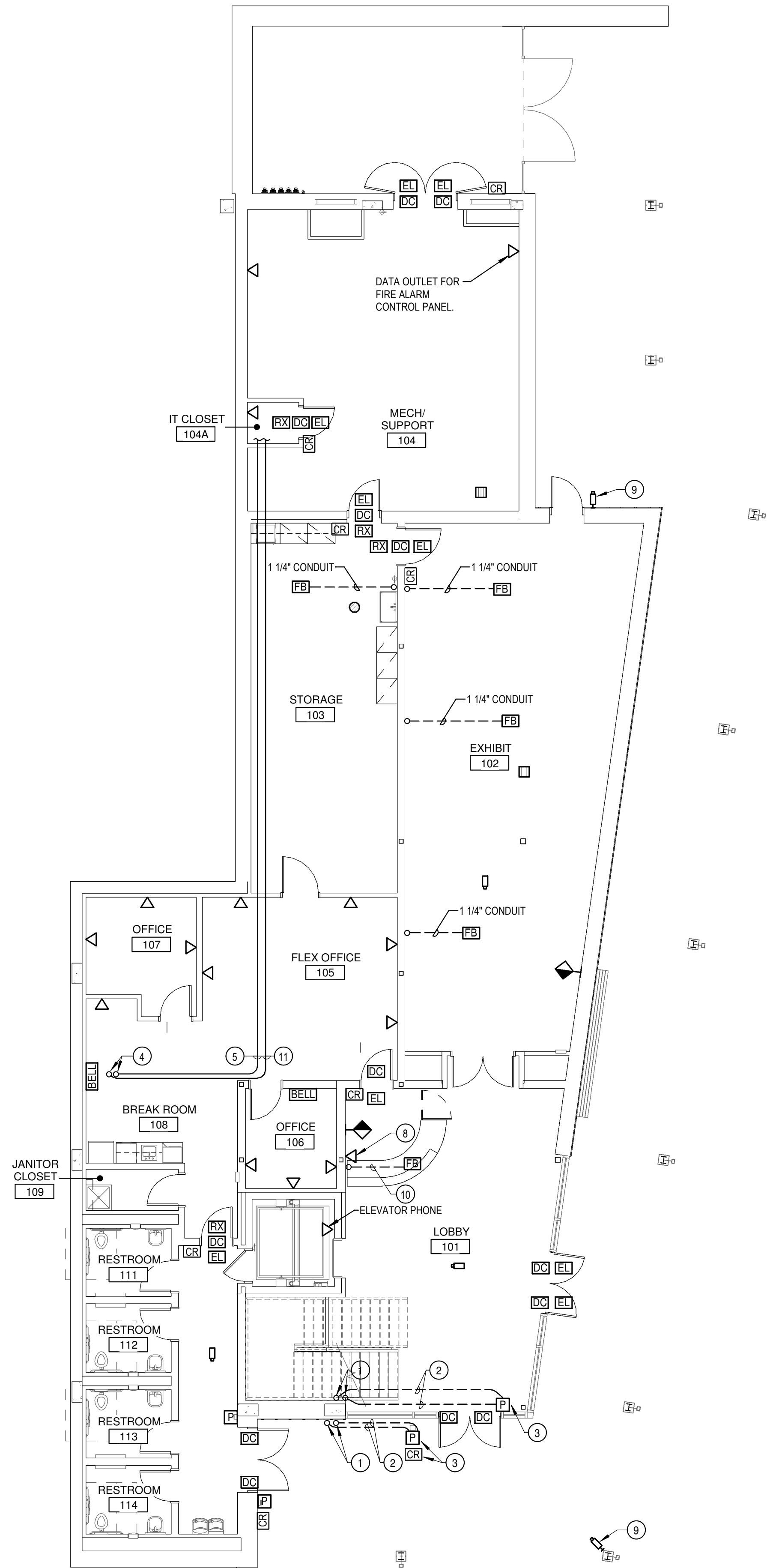
Job No.	23014	ANH	Drawn
Scale	As indicated	ANH	Checked
Date	3/20/26	PM	Approved

Drawing Title	
LOWER & UPPER FLOOR PLAN - POWER - NEW WORK	

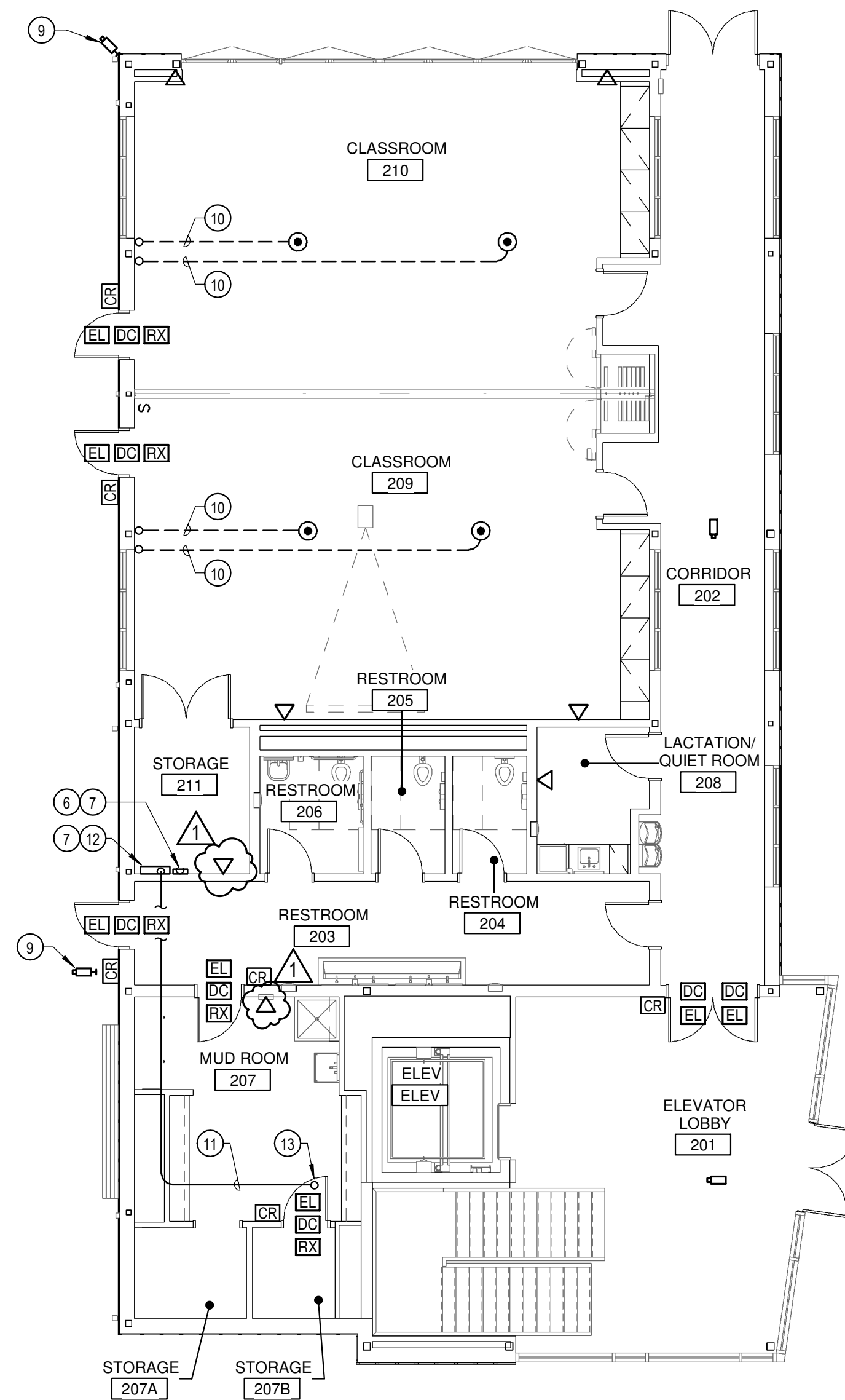
EP1.1

Sheet	Of
-------	----





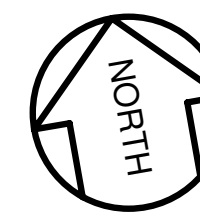
1 LOWER FLOOR PLAN - SYSTEMS - NEW WORK
EY1.1 SCALE: 1/8" = 1'-0"



2 UPPER FLOOR PLAN - SYSTEMS - NEW WORK
EY1.1 SCALE: 1/8" = 1'-0"

SPECIFIC NOTES:

- 1 CONCEAL CONDUIT STUB-UPS IN WALL CONSTRUCTION.
- 2 PROVIDE #1 CONDUCTOR WITH A #6 GROUNDING WIRE IN A 1-1/4" CONDUIT TO ACCESSIBLE CEILING SPACE.
- 3 MOUNT DEVICE ON BOLLARD.
- 4 REFER TO DRAWING 2/EY1.1 FOR CONDUIT CONTINUATION.
- 5 PROVIDE 2" CONDUIT ABOVE ACCESSIBLE CEILING.
- 6 PROVIDE 18"x12"x4" VERTICAL PULLBOX ABOVE ACCESSIBLE CEILING.
- 7 REFER TO DRAWING 1/EY1.1 FOR CONDUIT CONTINUATION.
- 8 FINISH COLOR FOR WIRING DEVICES LOCATED ON ARCHITECTURAL RECLAIMED WOOD WALL SHALL BE BROWN AND PROVIDED WITH A MATCHING FACEPLATE. FINAL FINISH SELECTION SHALL BE COORDINATED WITH ARCHITECT PRIOR TO ORDERING.
- 9 ROUTE CONDUIT PROVISIONS FOR SECURITY CAMERAS CONCEALED WITHIN INTERIOR WALL CAVITIES AND ACCESSIBLE CEILING SPACES.
- 10 PROVIDE TWO UNDERFLOOR CONDUITS TO CEILING SPACE ABOVE AS FOLLOWS:
 1. 2" UNDERFLOOR CONDUIT FOR AUDIO VISUAL.
 2. 1-1/4" UNDERFLOOR CONDUIT FOR TELECOM.
- 11 PROVIDE 1" PROVISIONAL CONDUIT FOR FUTURE ROOFTOP PV EQUIPMENT DATA ABOVE ACCESSIBLE CEILING.
- 12 PROVIDE JUNCTION BOX FOR PV PROVISION DATA.
- 13 PROVIDE 1" PROVISIONAL CONDUIT UP TO ROOFTOP PV PULLBOX. REFER TO DRAWING 1/EP1.2 FOR ADDITIONAL INFORMATION.

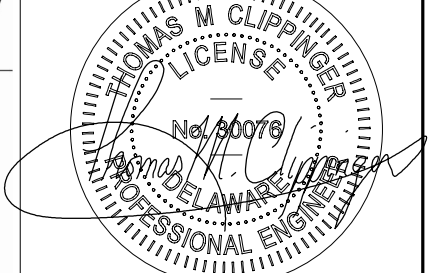


8 4 0 8 16
SCALE: 1/8" = 1'-0"

**ISSUED FOR BID**

Mechanical & Electrical
Consulting Engineers
11155 Red Run Boulevard, Suite 310
Baltimore, Maryland 21117
tel 410-265-6100
jamesposey.com

Seal:



JPA Project No.: 7827-23

G|W
W|O

GWWO INC.
1215 E FORT AVENUE, SUITE 24
BALTIMORE, MARYLAND 21201, 410-352-1009

© 2026 James Posey Associates, Inc.

Revisions:

No.	Date	Description
1	5/14/2026	ADDENDUM 02

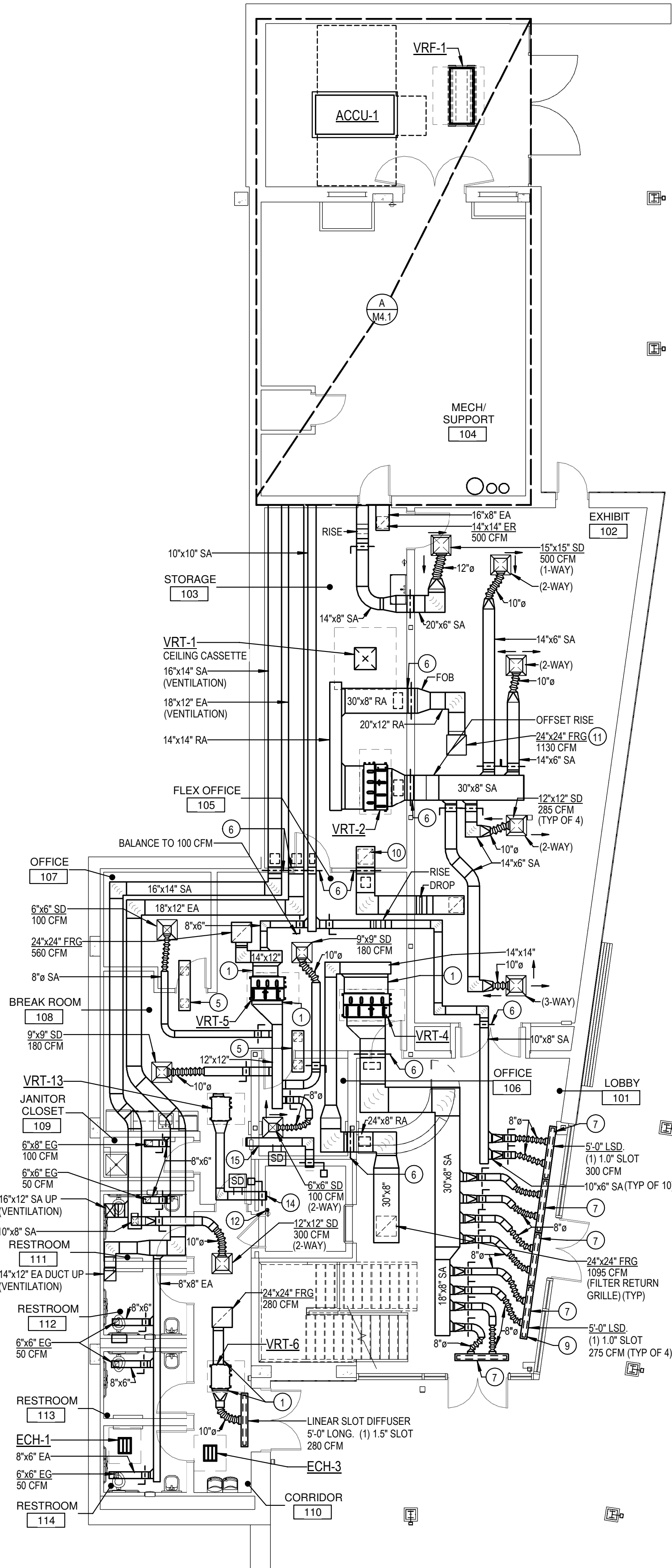
**WHITE CLAY CREEK STATE
PARK NATURE CENTER**
STATE OF DELAWARE DEPARTMENT OF
NATURAL RESOURCES AND ENVIRONMENTAL
CONTROL DIVISION OF PARKS AND
RECREATION

Job No.	23014	ANH	Drawn
Scale	As indicated	ANH	Checked
Date	3/20/26	PM	Approved

Drawing Title Drawing Number
LOWER & UPPER FLOOR
PLAN - SYSTEMS - NEW
WORK

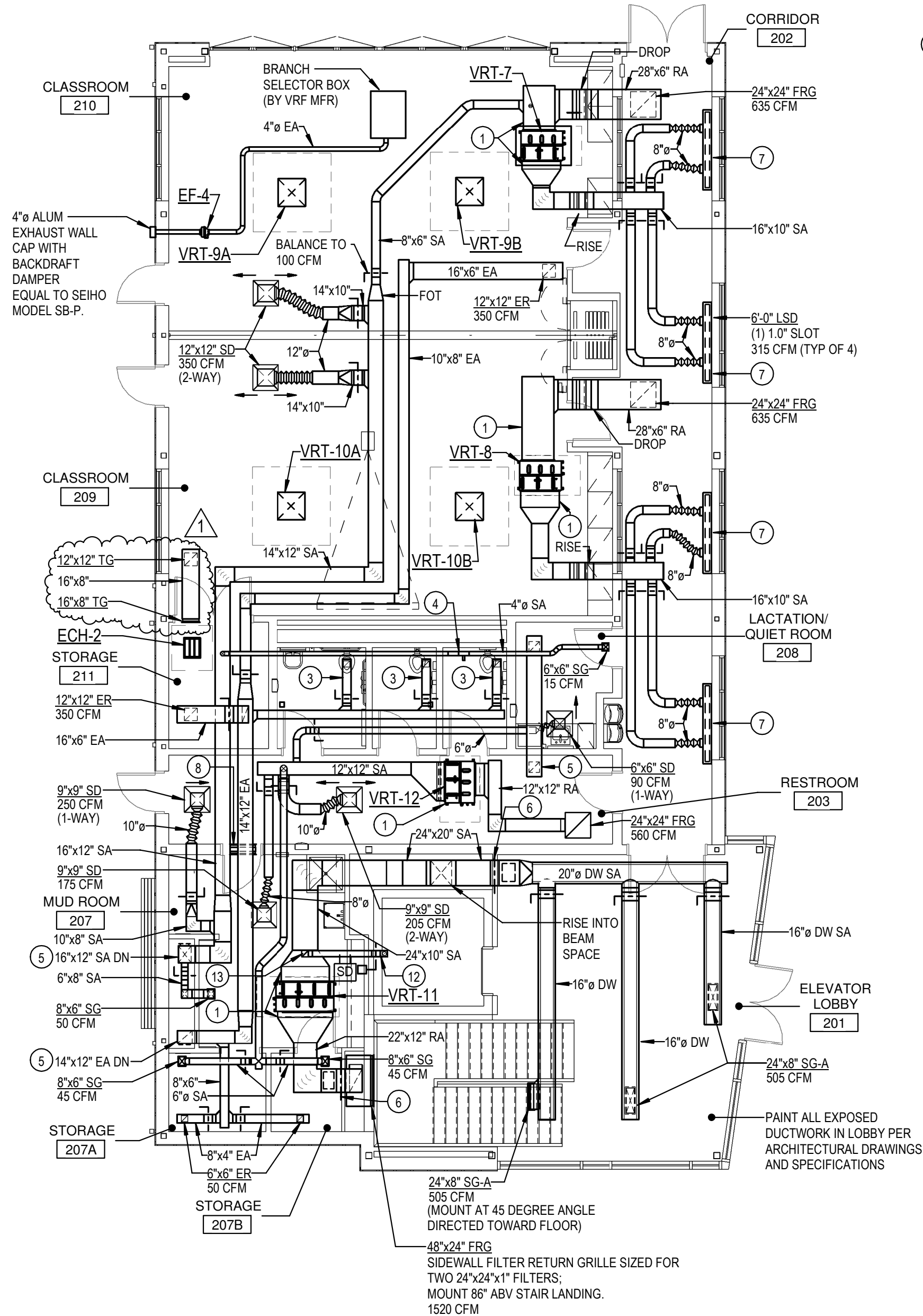
EY1.1

Sheet Of



LOWER FLOOR PLAN - HVAC

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



UPPER FLOOR PLAN - HVAC

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

SPECIFIC NOTES:

- 1 FULL SIZE UNIT CONNECTION SA / RA PLENUM WITH FLEXIBLE CONNECTOR.
- 2 14"x8" AL TRANSFER DUCT WITH 10"x10" CEILING TRANSFER GRILLE ON BOTH SIDES OF WALL.
- 3 8"x6" BRANCH DUCT WITH 6"x6" EG. BALANCE TO 50 CFM.
- 4 4"ø CONSTANT VOLUME REGULATOR SET TO 15 CFM.
- 5 PROVIDE FIRE DAMPER AND ACCESS DOOR AT FLOOR.
- 6 FIRE DAMPER AND ACCESS DOOR AT WALL PENETRATION.
- 7 PROVIDE FRAME TYPE FOR FULLY CONCEALED (MUD-IN) INSTALLATION IN GYP CEILING. PROVIDE SUPPLY PLENUM (FULL SIZE OF LENGTH BY MIN 8" WIDE) AT HEIGHT REQUIRED TO MAKE DUCT CONNECTION AND COORDINATION WITH THE STRUCTURE. LINEAR SLOT DIFFUSER EQUAL TO TITUS FLOW BAR FL-10-JT (JET THROW FLOW PATTERN). POSITION PATTERN CONTROLLER FOR VERTICAL THROW TOWARDS FLOOR.
- 8 24"x8" TRANSFER GRILLE ON BOTH SIDES OF WALL ABOVE DOOR.
- 9 PROVIDE FRAME TYPE AND ALIGNING HARDWARE TO COMBINE ALL ACTIVE SLOTS TO CREATE A CONTINUOUS 20' LONG AIR DEVICE.
- 10 22"x8" TRANSFER DUCT WITH 18"x18" TRANSFER GRILLES (ONE IN EXHIBIT AND ONE IN STORAGE ROOM).
- 11 PROVIDE FULL SIZE RETURN GRILLE PLENUM AT HEIGHT REQUIRED TO MAKE THE DUCT CONNECTION.
- 12 6"x6" EA WITH COMBINATION FIRE/SMOKE DAMPER AND ASSOCIATED SMOKE DETECTOR AT ELEVATOR SHAFT WALL PENETRATION. BOTTOM TAP A 4"ø EA AND ROUTE TIGHT TO INSIDE OF ELEVATOR SHAFT AND TERMINATE WITHIN 1'-0" OF HYDRAULIC OIL TANKS.
- 13 TRANSITION 6"x6" EA TO 4"ø EA AND ROUTE UP TO EF-2 ON ROOF. PROVIDE 2-HR FIRE RATED DUCT WRAP INSULATION ON PIPE FROM THE ELEVATOR SHAFT PENETRATION TO THE ROOF PENETRATION.
- 14 10"x8" SA FOR VRT-13. PROVIDE COMBINATION FIRE/SMOKE DAMPER AND ASSOCIATED SMOKE DETECTOR AT ELEVATOR SHAFT WALL PENETRATION. TERMINATE DUCT FLUSH AT THE SHAFT PENETRATION WITH OED (315 CFM).
- 15 10"x8" TRANSFER RETURN FOR VRT-13. PROVIDE COMBINATION FIRE/SMOKE DAMPER AND ASSOCIATED SMOKE DETECTOR AT ELEVATOR SHAFT WALL PENETRATION. TERMINATE DUCT FLUSH AT SHAFT WALL AND ABOVE CEILING PLENUM OF THE OPEN OFFICE AREA WITH OED'S.



GENERAL NOTES:

- A. INFORMATION SHOWN ON THIS DRAWING PERTAINING TO EXISTING CONDITIONS HAS BEEN OBTAINED FROM AVAILABLE BUILDING DRAWINGS OR GENERAL FIELD OBSERVATIONS AND MAY NOT INDICATE EXISTING CONDITIONS IN DETAIL OR DIMENSION. DETERMINE EXISTING CONDITIONS PRIOR TO FABRICATION OR PERFORMANCE OF ANY WORK. SHOULD CONDITIONS BE DISCOVERED THAT PREVENT EXECUTION OF THE WORK AS INDICATED, IMMEDIATELY NOTIFY THE ARCHITECT IN WRITING AND AWAIT DIRECTION BEFORE PROCEEDING WITH THE WORK.
- B. DO NOT LOCATE DUCTWORK OR PIPING ABOVE ELECTRICAL PANELS OR EQUIPMENT.
- C. WHERE MANUAL VOLUME DAMPERS ARE LOCATED ABOVE INACCESSIBLE CEILINGS, PROVIDE CABLE OPERATED TYPE DAMPER WITH CONCEALED OPERATOR TERMINAL.

ISSUED FOR BID



Mechanical & Electrical
Consulting Engineers
11155 Red Run Boulevard, Suite 310
Baltimore, Maryland 21117
tel 410-265-6100
jamesposey.com



© 2026 James Posey Associates, Inc.

Revisions:

No.	Date	Description
1	5/14/2026	ADDENDUM 02

WHITE CLAY CREEK STATE
PARK NATURE CENTER

STATE OF DELAWARE DEPARTMENT OF
NATURAL RESOURCES AND ENVIRONMENTAL
CONTROL DIVISION OF PARKS AND
RECREATION

Job No.	23014	JSB	Drawn
Scale	1/8" = 1'-0"	MPS	Checked
Date	3/20/26	JSB	Approved
Drawing Title	FLOOR PLANS - HVAC		
Sheet	M1.1		
			Of

Substitution Request Review

Project Name: **DNREC White Clay Creek State
Park Nature Center** Date Received: **05/15/26**
Project No: **7827-23** Date Reviewed: **05/15/26**
Prepared By: **J. Bem** Request No.:
Email: **jbem@jamesposey.com**

Manufacturer(s): **Toshiba Carrier**

Item(s) Submitted: **VRF System**

Engineer's comments:

1. A substitution request was submitted to permit Carrier VRF systems for the referenced project. Carrier was not listed as an accepted manufacturer in the specifications for VRF systems; however, the specifications do permit approved equals.
2. JPA reviewed the substitution request form and supporting information and has the following comments. The substitution request can not be approved unless additional information is provided showing compliance with the drawings and specifications.
 - a. As with all manufacturers that are not the basis of design, any differences in electrical characteristics from the basis of design is required to be coordinated by the contractors.
 - b. The product data provided does not indicate if the equipment has all of the necessary A2L refrigerant safety controls that will make the installation compliant with ASHRAE 15 and in conformance with the contract requirements. This substitution request can not be approved without more information verifying all refrigerant safety devices, sensors, and controls are provided to make the system ASHRAE 15 compliant.
 - c. The product data provided does not indicate if the branch selector boxes are equipped with refrigerant detection and mitigation controls that are similar to those shown on the drawings for the basis of design unit. This substitution request can not be approved without more information verifying all refrigerant safety devices, sensors, and controls are provided to make the system ASHRAE 15 compliant.
 - d. This review is not intended to be an official submittal review. If the awarded contractor submits Toshiba Carrier VRF systems, a full detailed submittal review is still required and JPA may have additional comments or require corrections to the submittal and selections. However, as a curtsey review, we note the following:
 - 1) The systems must be selected at the design conditions indicated on the schedule.
 - 2) The ducted style units appear to not have the ability to handle the same amount of ESP as the basis of design.

Substitution Request Review

Project Name: **DNREC White Clay Creek State
Park Nature Center** Date Received: **05/07/26**
Project No: **7827-23** Date Reviewed: **05/07/26**
Prepared By: **J. Bem** Request No.:
Email: **jbem@jamesposey.com**

Manufacturer(s): **Samsung**

Item(s) Submitted: **VRF System**

Engineer's comments:

1. A substitution request was submitted to permit Samsung VRF systems for the referenced project. Samsung was not listed as an accepted manufacturer in the specifications for VRF systems; however, the specifications does permit approved equals.
2. JPA reviewed the substitution request form and supporting information and has the following comments:
 - a. The product data on the equipment appears to be equal to the basis of design and meets the specifications.
 - b. The product data provided indicates the equipment has all of the necessary A2L refrigerant safety controls that will make the installation compliant with ASHRAE 15 and in conformance with the contract requirements.
 - c. This review is not intended to be an official submittal review. If the awarded contractor submits Samsung VRF systems, a full detailed submittal review is still required and JPA may have additional comments or require corrections to the submittal and selections. However, as a cursory review, we note the following:
 - 1) Although the selected VRT-12 system meets the min capacity required on the drawings, the design relied on the larger capacity terminal selection that was scheduled to produce more airflow since it served multiple spaces. VRT-12 should match the nominal capacity shown.
 - 2) The selected VRT-7 and VRT-8 units show cooling capacities below the required scheduled minimum capacities. The units should be reselected to match or exceed the required capacities.
3. JPA takes no exception to allowing Samsung VRF systems to be submitted for this project.