

IOWA DEPARTMENT OF NATURAL RESOURCES
ENGINEERING BUREAU
WALLACE STATE OFFICE BUILDING

ADDENDUM No. 1

BELLEVUE STATE PARK
VAULT RESTROOM BUILDING REPLACEMENT
JACKSON COUNTY, IOWA
PROJECT NUMBER: 14-06-49-01

March 17, 2017

This Addendum is issued to modify, explain or correct the original Drawings and Specifications, and is hereby made a part of the Contract Documents. Please attach this Addendum to the Project Manual in your possession. Insert the number and issue date of this Addendum in the blank space provided on the Proposal Form.

SPECIFICATIONS:

A. Add the attached specifications for the vault restroom building.

PLANS:

A. Replace Sheet #10 with the attached revised Sheet #10 reflecting the plan view for the Huffcutt Double Vault Unisex Restroom Building.

Specifications for Iowa DNR Vault Toilet Building

PART 1 – GENERAL

1. SCOPE
 - 1.1. Construction and onsite placement of a prefabricated precast concrete vault toilet building.
2. MANUFACTURER
 - 2.1. Manufacturer shall be Huffcutt Concrete or a pre-approved equal.
 - 2.2. Manufacturer shall be an NPCA Certified Plant or equal with verifiable references demonstrating quality, design and service upon request.
 - 2.3. Manufacturer will provide a written warranty providing 20 years structural, manufacturer's warranty on all hardware and components not produced at precast concrete manufacturer's plant, and 3 years against defects in paint, caulk, and grout.
3. DESIGN
 - 3.1. Building will be manufactured using precast concrete including the roof. Building's structural design will be relevant to the region and properties associated with its final placement. Design will also meet ADA and building code requirements.
4. SUBMITTALS
 - 4.1. Manufacturer shall provide submittals and engineering if requested.

PART 2 – PRODUCTS

1. MATERIALS
 - 1.1. Doors and Frames
 - 1.1.1. Doors shall be 18ga galvanized metal, louvered with 16ga frames. Doors and frames shall include one coat of rust inhibitive primer and two finish coats of enamel paint.
 - 1.2. Door Hardware
 - 1.2.1. Aluminum drip cap. Reese or equal.
 - 1.2.2. Door closure with hold open. Cal-Royal or equal.
 - 1.2.3. Stainless hinges with non-removable pin. Cal-Royal or equal.
 - 1.2.4. Locksets.
 - 1.2.4.1. Grade 1
 - 1.2.4.2. Restrooms – Lever, passage function. Deadbolt, keyed/blank.
 - 1.2.5. Brush style sweep. Reese or equal.
 - 1.2.6. ADA compliant threshold. Reese or equal.
 - 1.3. Windows
 - 1.3.1. Vinyl frame, bug screen and security mesh. Parco or equal.
 - 1.3.1.1.
 - 1.4. Interior Hardware

- 1.4.1. Stainless 3 roll toilet paper dispensers.
- 1.4.2. ADA toilet stalls shall have (1) 18" stainless vertical grab bar, (1) 36" stainless horizontal grab bar, (1) 42" stainless horizontal grab bar.
- 1.4.3. Stainless floor mounted urinal. (urinal both sides (unisex) if double pit)
- 1.4.4. Acorn Stainless Toilet Riser, with black molded plastic seat.

1.5. Vent Pipes

- 1.5.1. Vent pipes shall be 12" and made of HDPE. Vent pipe shall extend approximately 36" above the roof line.
- 1.5.2. Aura solar vent fan.

1.6. PV System

- 1.6.1. 20W Photovoltaic module.
- 1.6.2. Morningstar Sunlight-10 Solar Lighting Controller.
- 1.6.3. 12V, 17.2Ah battery.
- 1.6.4. RAB VAN1 Light Fixture.
- 1.6.5. Exterior wall box for battery and controller.

1.7. Access/Clean Out Hatch

- 1.7.1. Access/clean out hatch shall have a 18" x 24" clear opening, made from aluminum and be rated for a 300 psf pedestrian load. Cover shall be hinged with a kickstand to prevent accidental closing. Cover shall include a slam lock with T handle for locking.

1.8. Sealers

- 1.8.1. Floor shall be sealed using a deep penetrating, high alkali resistant, low volatility product. TK-290 or equal.

1.9. Caulks and Grout

- 1.9.1. All joints between precast panels shall be caulked using a durable, flexible polyurethane sealant. BASF Sonolastic NP-1 or equal.
- 1.9.2. Weld plate panel connections shall be grouted flush with interior wall surface. Speed Crete Red Line or equal.

1.10. Vault

- 1.10.1. Vault shall be lined with a factory installed membrane. Marflex 5000 or equal.

2. FINISHES

2.1. Interior

- 2.1.1. Smooth trowel finish.

2.2. Exterior

- 2.2.1. Exterior wall appearance to be approved by owner using an architectural form liner. Board and Batten, Spec Formliners 1214. Horizontal Woodgrain, Dayton 70603.
- 2.2.2. Roof shall be cedar shake architectural form liner. Spec Formliners 1231.

2.3. Paint

- 2.3.1. Interior

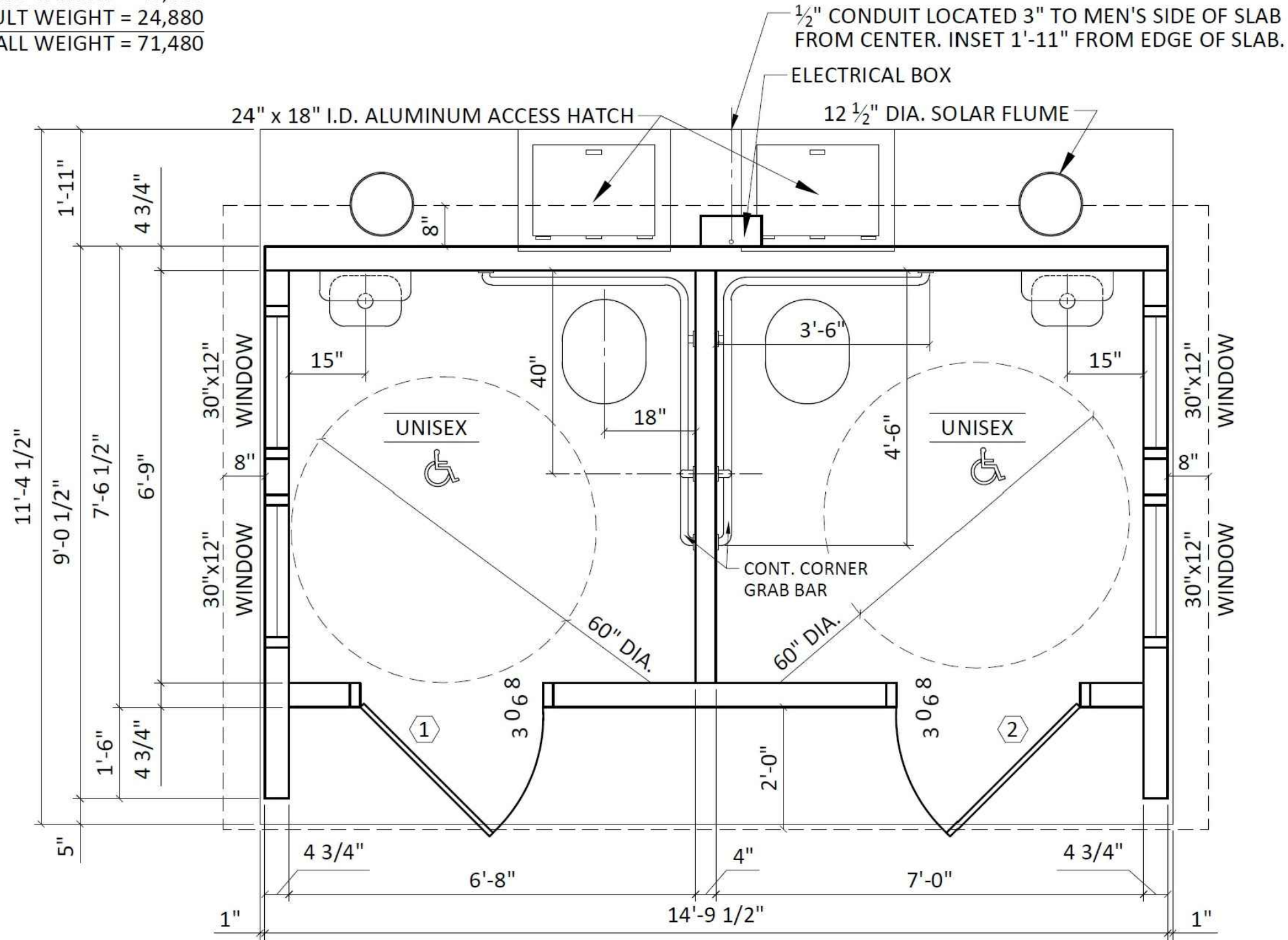
- 2.3.1.1. Wall panels shall be primed with a premium quality water based acrylic bonding primer moisture and alkali resistant. Finish coat shall be a high performance concrete stain. H&C Concrete Stain, custom color match “tan”.
- 2.3.2. Exterior
 - 2.3.2.1. Roof shall be covered with a high performance concrete stain. H & C Concrete Stain, custom color match “Java Brown”.
 - 2.3.2.2. Walls shall be covered with a high performance concrete stain. PPG ColorSeal Concrete Stain, custom color match “Natural Honey”.
 - 2.3.2.3. Doors shall be covered using 2 coats of a high performance 100% acrylic satin enamel. Sherwin Williams DTM Acrylic Coating Semi-Gloss, custom color match “Java Brown”.

Part 3 – Execution

- 1. PRECAST CONCRETE VAULT TOILET BUILDING
 - 1.1. Building manufacturer shall construct, assemble, and paint at their plant so that it may be transported to the jobsite as a finished module and placed using a crane.
- 2. ONSITE
 - 2.1. Contractor shall provide adequate access and a level pad for the crane and semis to sit side by side under their own power. Working radius shall be 35’ from center pin on crane.
 - 2.2. Contractor shall provide all excavation, backfilling, and finish grading for vault toilet building. In addition contractor shall provide suitable bedding of sand or granular material for the vault.
 - 2.3. Manufacturer will install HDPE vent pipes and perform any shipping and handling adjustments and repairs.

BUILDING CUBIC YARDS = 11.65
 VAULT CUBIC YARDS = 6.22
 OVERALL CUBIC YARDS = 13.52

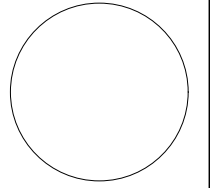
BUILDING WEIGHT = 46,600
 VAULT WEIGHT = 24,880
 OVERALL WEIGHT = 71,480



1 FLOOR PLAN

SCALE: 3/8" = 1'-0"

CONSULTANT:



IOWA DEPARTMENT OF
 NATURAL RESOURCES

ENGINEERING SERVICES - WALLACE BUILDING
 502 E. 9TH ST., DES MOINES, IA 50319-0034



VAULT BUILDING DETAILS

VAULT RESTROOM BUILDING REPLACEMENT FOR:

BELLEVUE STATE PARK

JACKSON COUNTY, IOWA

NO. BY DATE REVISION

DRAWN BY: PROJECT NUMBER:

14-06-49-01

CHKD BY: DATE:

3/1/2017

SHEET No: