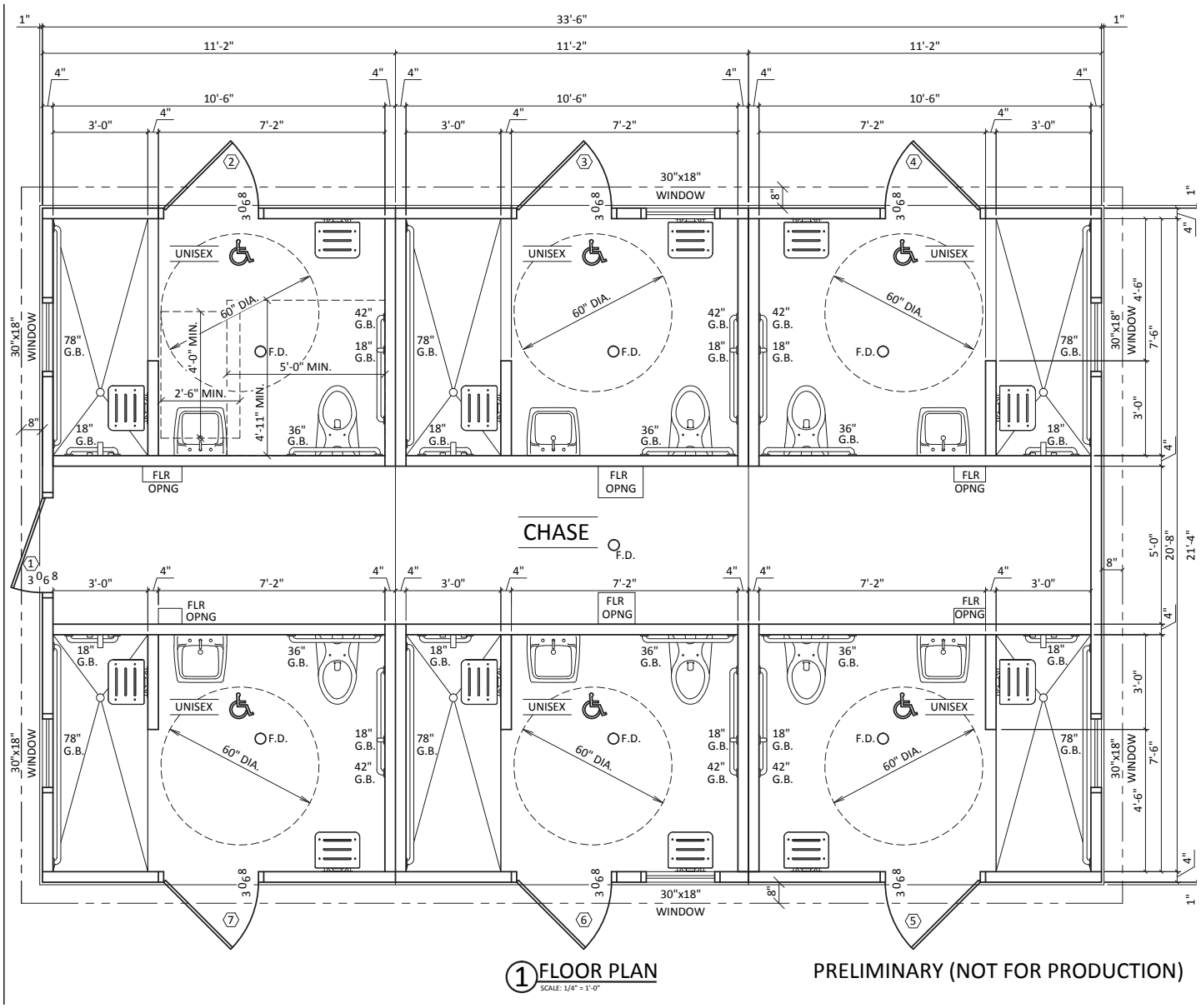
- MODULAR -

TAMARACK



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

PRELIMINARY (NOT FOR PRODUCTION)

HUFFCUTT

Floor plans are for reference only. This drawing shall not be copied or submitted to others without the consent of this company.

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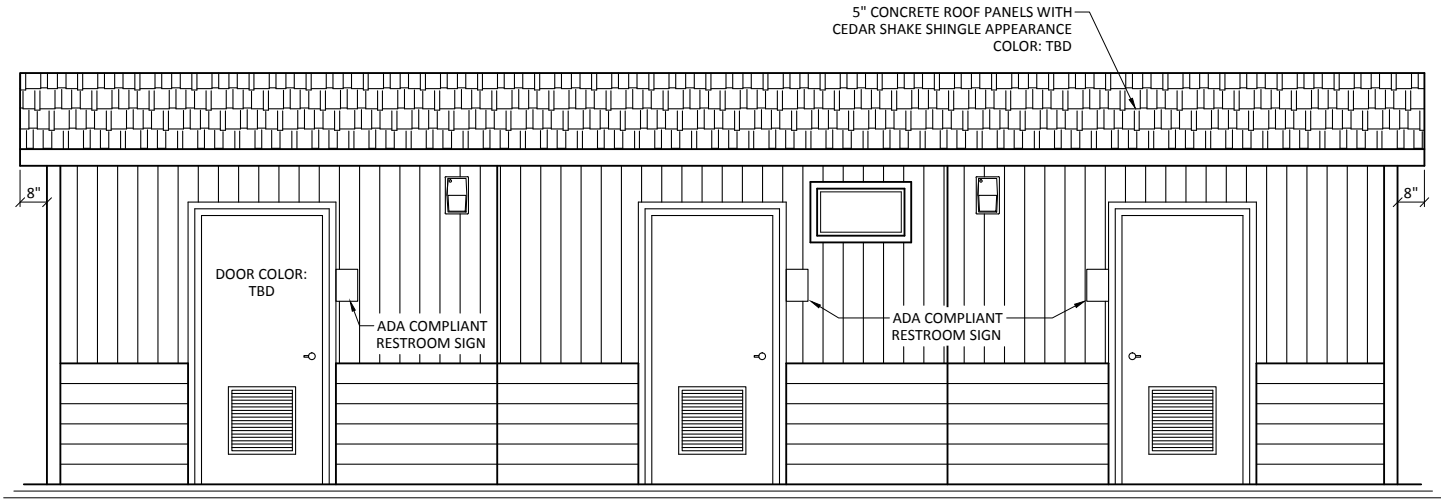
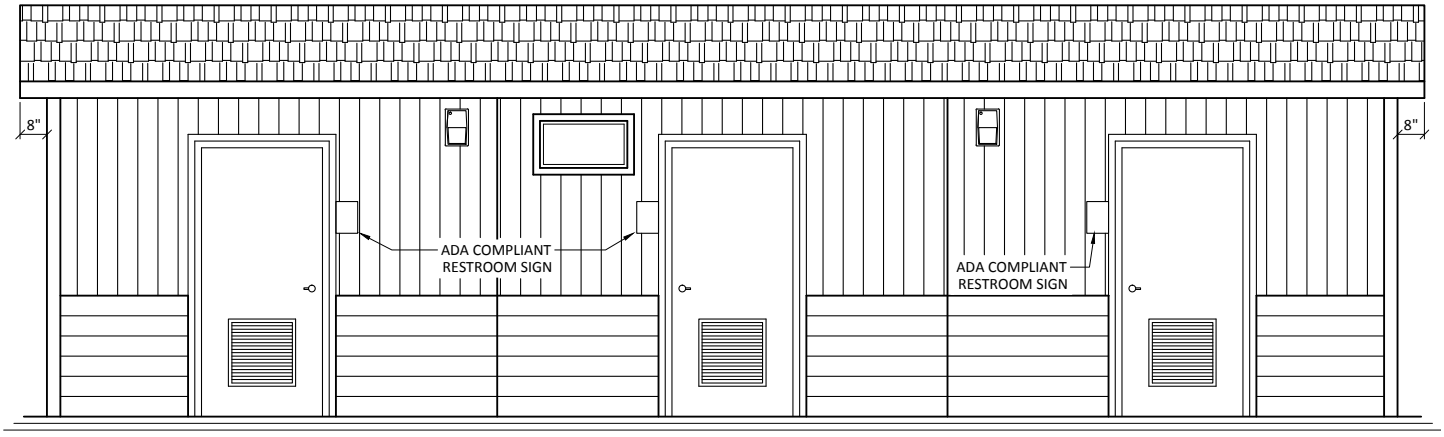


1 FRONT ELEVATION
SCALE: 1/4" = 1'-0"



2 REAR ELEVATION
SCALE: 1/4" = 1'-0"

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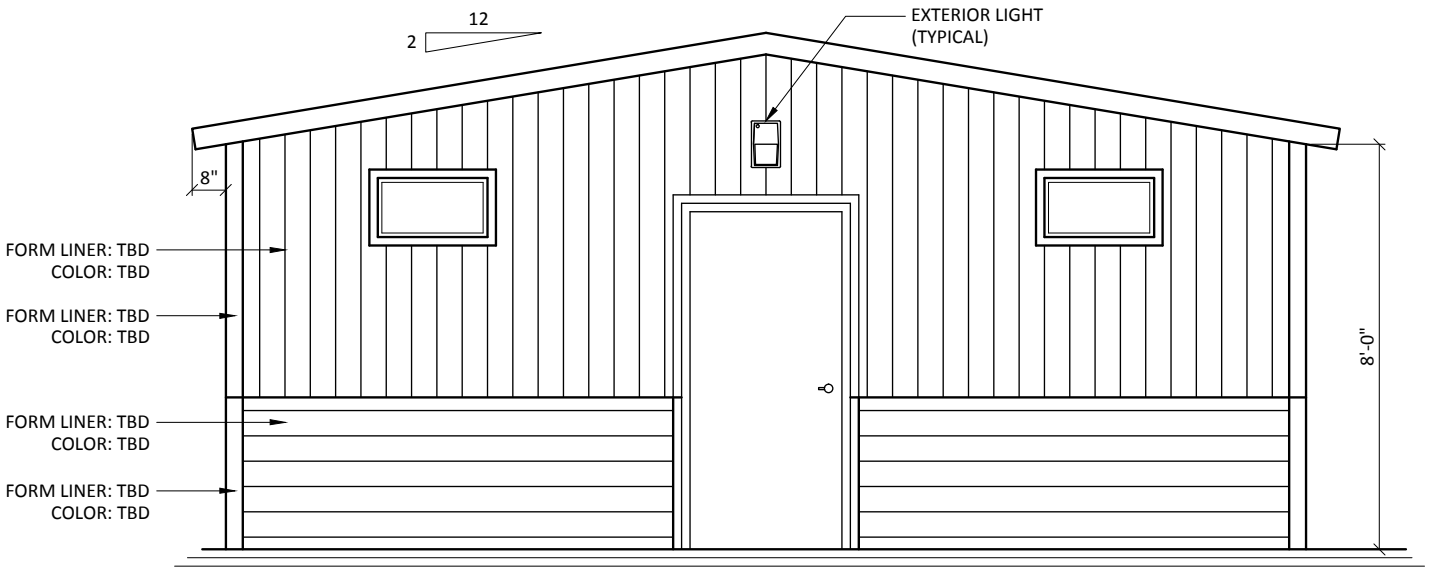
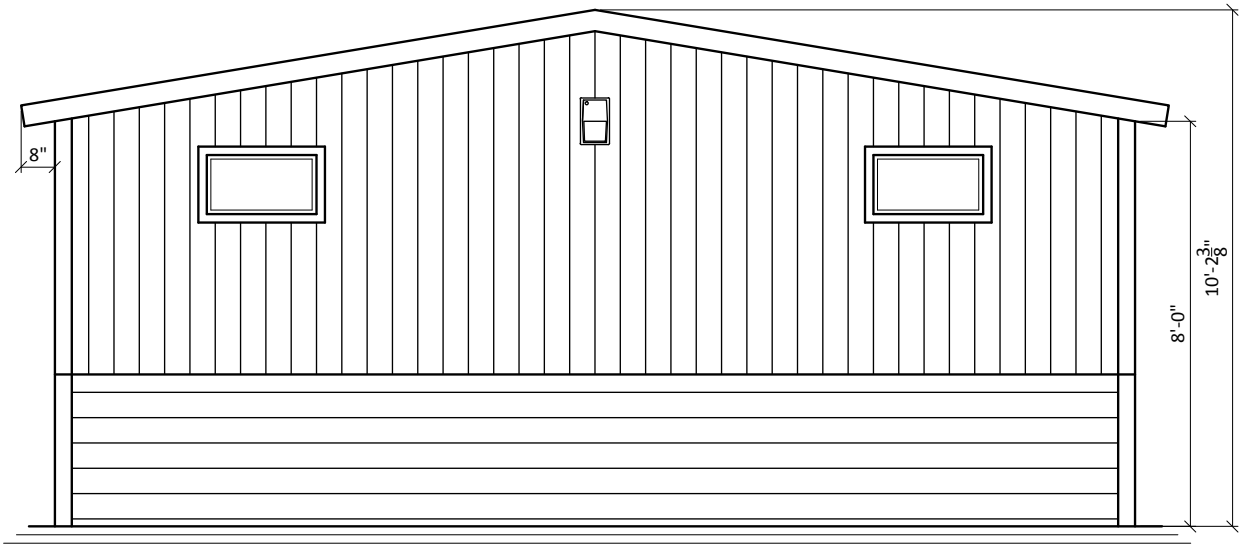


1 LEFT ELEVATION

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



2 RIGHT ELEVATION

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

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- MODULAR -

SPECIFICATIONS

PART 1 – GENERAL

1. SCOPE
   1.1. Construction and onsite placement of a prefabricated precast concrete family style restroom – shower 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 and foundation 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. <u>Doors and Frames</u>
      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. <u>Door Hardware</u>
      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. Grade 1 lockset. Function and keying to be verified with owner.
      1.2.5. Brush style sweep. Reese or equal.
      1.2.6. ADA compliant threshold. Reese or equal.
   1.3. <u>Windows</u>
      1.3.1. Vinyl frame, obscure glass, non-operable. Parco or equal.
   1.4. <u>Plumbing</u>
      1.4.1. Stools
         1.4.1.1. Kohler porcelain wall mounted, ADA compliant, elongated bowl.

1.4.1.2. Sloan flush valve, concealed, hydraulic actuator.

1.4.2. Urinal

1.4.2.1. Kohler porcelain wall mounted, ADA compliant.

1.4.2.2. Sloan flush valve, concealed, hydraulic actuator.

1.4.3. Lavatories

1.4.3.1. Kohler wall mounted sink, ADA compliant.

1.4.3.2. Moen single handle ADA metering faucet.

1.4.4. Water Heater

1.4.4.1. Bradford white electric water heater. Size to be sufficient for number of showers and lavatories.

1.4.5. Mixing Valve

1.4.5.1. Honeywell thermostatic mixing valve, adjustable.

1.4.6. Shower

1.4.6.1. Acorn Penal-Ware Series, ADA compliant.

1.4.7. Floor Drains

1.4.7.1. Sioux Chief on grade adjustable floor drain.

1.4.8. Sediment Filter

1.4.8.1. Rusco sediment filter.

1.5. Electrical

1.5.1. Interior

1.5.1.1. RAB Vandalproof Tuff Dome motion sensor.

1.5.1.2. RAB VAN1 lights.

1.5.1.3. GFI receptacles.

1.5.1.4. Murdock super secure.

1.5.2. Exterior

1.5.2.1. RAB Tallpack lights.

1.5.3. Chase

1.5.3.1. 100amp loadcenter.

1.5.3.2. (2) 2 bulb florescent lamps. (1 per modular section)

1.5.3.3. Soler & Palau exhaust fan.

1.6. Interior Hardware

1.6.1. Stainless 3 roll toilet paper dispenser.

1.6.2. ADA toilet stalls shall have (1) 18” stainless vertical grab bar, (1) 36” stainless horizontal grab bar, (1) 42” stainless horizontal grab bar.

1.6.3. ADA showers shall have (1) 18” stainless vertical grab bar, (1) 30” stainless horizontal grab bar, (1) 42” stainless horizontal grab bar.

1.6.4. Stainless frame 18” x 36” mirror.

1.6.5. Bradley ADA compliant reversible phenolic shower seat.

1.6.6. (2) coat hooks

1.7. Sealers

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

1.8. Caulks and Grout

1.8.1. All joints between precast panels shall be caulked using a durable, flexible polyurethane sealant. BASF Sonolastic NP-1 or equal.

1.8.2. Weld plate panel connections shall be grouted flush with interior wall surface. Speed Crete Red Line 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.

2.2.2. Roof shall be cedar shake architectural form liner.

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 acrylic enamel.

2.3.2. Exterior

2.3.2.1. Roof shall be covered with a quality 100% acrylic satin paint. Owner to determine color.

2.3.2.2. Walls shall be covered with a quality concrete stain. Owner to determine color.

2.3.2.3. Doors shall be covered using 2 coats of a high performance 100% acrylic satin enamel. Owner to determine color.

Part 3 – Execution

1. PRECAST CONCRETE FAMILY STYLE RESTROOM – SHOWER BUILDING

1.1. Building manufacturer shall construct, assemble, paint, install plumbing and electrical at their plant so that it may be transported to the jobsite in finished modules and placed using a crane.

1.2. Building manufacturer shall provide mechanical rough in drawing showing where electrical, water supply line, waste line, and floor drains are to be located for hook up to building.

1.3. Contractor will make final mechanical connections after the building is placed by manufacturer.

1.4. Manufacturer will caulk interior and exterior seams between modules. Manufacturer will also perform any shipping and handling repairs during installation.

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 design and pour a foundation suitable for building to sit on. Foundation shall be level to within ¼”.
2.3. Contractor shall rough in mechanicals according to mechanical rough in drawing provided by building manufacturer. Mechanicals shall be terminated at top of foundation. Final mechanical connections shall be done by contractor including floor drains.