Appendix A

PREFABRICATED RESTROOM OR RESTROOM/CONCESSION BUILDING

A. General, Specifications and Clarification of Prefabricated Building and Site Installation

1. This portion of the bid specifications does not follow the CSI standard format as the prefabricated structure in this bid is an ***offsite constructed "product"*** and not "typical" general construction.
2. The ***installation of the product on site is general construction***, which must be coordinated between the general contractor and the Premanufactured Restroom Manufacturer hereafter referred to as the Building Subcontractor. Specifications for the building foundation/pad shall be provided by the Contractor's selected Building Subcontractor. Due to the responsibility of the specified Building Subcontractor for architecture, engineering and a five-year warranty, the site pad/foundation must meet the subcontractor's design so the pad and building can be considered from a single source for warranty purposes. The subcontractor must accept the pad and compactions tests before they take responsibility for the entire system under their warranty.

B. Architectural Design/Engineering and Insurance Responsibility

1. While the City of Albany has provided bid specifications and a design for the building, the Building Subcontractor remains legally responsible for architecture, engineering, and all applicable building, safety, health, fire, and accessibility code compliance. Since they hold professional design responsibility to the owner, the Building Subcontractor must furnish certification that they provide product liability insurance in the amounts required by the general specifications ***to cover property damage and personal injury***. Final drawings shall be stamped by an Oregon engineer and Oregon Department of Housing and Community Development, suitable for local permitting.

C. Errors and Omissions Insurance

1. The Building Subcontractor must also provide an additional Professional Architectural and Engineering Errors and Omissions insurance, in the minimum amount of $2,000,000, ***to cover claims against the owner or the general contractor for State and Federal ADA handicapped accessibility and other design/engineering code issues***. This Errors and Omission Policy must remain in effect for 5 years from the completion and owner acceptance of the project. Product liability insurance (since it does not cover professional design responsibility only) will be insufficient for this bid and will be cause for rejection of the bidder.

D. General Contractor Coordination with Building Subcontractor

1. The specified prefabricated public restroom building requires coordination

between the General Contractor (who prepares the site subgrade and delivery access for the prefabricated building) and the prefabricated restroom Building Subcontractor (who completes the architectural design, engineering, off-site building construction, delivery and installation on site.) The specified prefabricated restroom building specifications include unique components/systems which are custom to the restroom Building Subcontractor. Since the restroom subcontractor is responsible for design, additional insurance requirements for errors and omissions are required.

E. General Contractor, General Scope of Work

1. The general contractor for this project is responsible for the site survey and staking the building locations, finished slab survey elevations and marking on site, construction and compaction of the required building pads; access to the site for a large crane and tractor trailers delivering the prefabricated building; providing water, sewer, and power at a point of connection (POC) within 6 feet of the building and at the depth required by the Building Subcontractor and local code; and the installation of any sidewalks outside the building footprint.

2. The general contractor is responsible for verification to the Building Subcontractor that there are no unanticipated site delivery issues such as overhead wires, trees, tree roots, or existing grade changes and that prevent a clear path of travel between a roadway and the final site exists for a tractor trailer and crane to expedite delivery. The Building Subcontractor requires that the general contractor certify that the required delivery crane must be able to set the building modules within 35’ distance from the center of the building to the center of the crane hoist.

F. Prefabricated Restroom Building, General Scope of Work:

1. The prefabricated restroom building specialist will provide to the general contractor final building design architectural drawings and engineering calculations under the responsibility of a licensed structural engineer, in compliance with all local, state and federal codes. The Building Subcontractor shall construct the building offsite as a permanently relocatable building, transport it to the final required destination, and install the building turnkey, on a general contractor prepared pad per the drawings included in this bid.

H. Licensing:

The Building Subcontractor must comply with all the State of Oregon; Department of Housing and Community Development, prefabricated “Commercial Modular Requirements” as follows:

1. The building *manufacturer* must be licensed by the State of Oregon, Department of Housing and Community Development as a manufacturer.
2. The selling dealer (if applicable) must be a Oregon licensed dealer and present their license for verification with the bid.
3. The licensed dealer must also possess a State of Oregon Contractors License Board Class B License and present their license for verification with the bid.

I. Bid Standard for the Prefabricated Restroom Building

1. The City of Albany understands that there are several firms who design and build various types of public restroom building in varying quality and architectural styles, using similar or different construction methods and materials. For the purpose of this bid, the owner has selected:

   Public Restroom Company, 2587 Business Parkway, Minden, NV 89423 and specifies herein that this firm is the standard for architectural design (safety, green design, code compliance, and site-specific compatibility.) PRC is also the standard of building performance and quality for the 50-year building design-life with low-maintenance based upon the longevity of the materials selected. Other firms quoting "or equal" whose criteria and standards do not comply will be rejected.

   Contact: Steven Myler, Regional Sales Manager
   Phone: 888-888-2060 ext. 103
   Fax: 888-888-1448
   Email: steve@publicrestroomcompany.com
   Web: www.publicrestroomcompany.com

2. Pre-cast structures are not acceptable

J. "Or Equal Restroom Building Subcontractors"

The City of Albany may also allow other firms to become qualified to bid, but any firms so authorized to bid must fully comply with these bid specifications and plans or be subject to post bid rejection.

a) Or Equal applicant shall provide scaled floor plans and elevations, to show general architectural design criteria is met.
b) Or Equal applicant shall provide a written list of each and every deviation from the published bid specifications/plans. Lack of specificity to each deviation from the bid specifications will be cause for rejection.
c) Or Equal applicant shall provide a manufacturer's certification of concrete test compliance from a national independent testing laboratory. The written report must state the concrete compressive strength and absorption resistance per ASTM standard #C39 and #C642, respectively.
d) Or Equal applicant must provide a list of every building they designed and built over the last 3 years utilizing the same building materials/systems design criteria as published in this bid. Provide date of building bid, date of completion, and most knowledgeable owner contact.
e) Or equal applicant shall provide certification of the special insurance required in this bid.
f) Or Equal applicant shall be responsible for and bear all cost for architecture, plan checks, design and structural engineering and all fees in obtaining approvals and permits from applicable agencies.

3. The City of Albany or their consultant will be solely responsible for the decision to accept or reject the “or equal” submission.

J. Certificate of Off-site Inspection and Construction Compliance, Provision for Maintenance Manuals, and Warranty

1. The off-site restroom construction requires that a licensed third-party inspection firm provide the owner and the local building official with certification and compliance for the building with the approved plans and specifications. A certificate of compliance shall be issued by this inspector to the local building official to provide certification that the building meet and or exceed the approved plans and applicable codes.

2. At the project conclusion, the Building Subcontractor shall furnish two sets of complete maintenance manuals including a trouble shooting guide, location of manufacturers of key components for replacement parts together with final as-built plans, and a **5-year component/20-year structural warranty** to the owner or general contractor.

K. Site Scope of Work by General Contractor

The general contractor shall prepare the restroom building subgrade and construct a building foundation to Oregon Structural Specialty Code to receive the prefabricated building in accordance with the bid subgrade preparation drawings or foundation plan.

1. The building subgrade/footings shall be constructed per the Building Subcontractor’s recommendations and the approved permit.
2. The General Contractor shall provide water point of service at 30” below finished building slabs; sewer at 24” below the finished building slabs; and electrical at 36” below the finished building slabs or other per bid plans.
3. General Contractor shall coordinate with restroom subcontractor to provide full site delivery access for a 70’ tractor-trailer and hydro crane to the final building sites.
4. If the final site access is over existing sidewalks, utilities, or landscaping, the General Contractor shall be responsible for plating and or tree trimming, utility line removal, or other to protect any existing conditions.
5. The hydro crane must be able to locate no greater than 35’ from the center point of the building to the center point of the crane.
6. The utilities shall be furnished per bid site plans at specified points of connection (POC) nominally 6’ from the building lines.
7. General contractor shall furnish and install final grading, landscaping and sidewalks.

M. Connection to Utilities

1. The restroom subcontractor will stub-out: Electrical, Water, and Sewer at the proper POINT OF CONNECTION AND AT THE PROPER ELEVATION BELOW GRADE, for this project. Restroom subcontractor shall provide final hook up of the water from building to POC; sewer hookup to POC; and electrical sleeve from building panel to POC only. Final utility connections shall be by General Contractor

or others. General contractor shall flush the water lines thoroughly before making final water connection to the building. **Thoroughly flushing the water lines for AT LEAST 30 MINUTES is critical to ensure that the new code required low-flow fixtures and flush valves that are extremely sensitive to particulate matter in the water will not malfunction.**

N. Concrete Slab, Required Independent Testing Laboratory Certification:

1. The prefabricated building slabs special concrete technology claims to be water and urine resistant for life due to special additive technology. The Building Subcontractor must furnish a test certification of compliance from a national independent testing laboratory to support the claim for absorption resistance. The written report must state the concrete compressive strength (minimum of 7,000 PSI) and absorption resistance (not greater than 3%) per ASTM standard #C642 and #C39 respectively. Since this non-absorbency capability is so significant, the Building Subcontractor must provide a general certification of compliance.

O. Prefabricated Restroom Building:

1. The City of Albany has evaluated several prefabricated restroom building suppliers. This bid requires such building be used in lieu of site-built traditional construction because of the unique built-in advantages guaranteed by the Building Subcontractor. This technology includes many new innovations such as non-absorbent concrete; anti-microbial components to reduce health risks; built in vandal resistance design; lowered maintenance and long-term warranties that reduce owner risk for failure. The specifications below are written around this new technology.

P. Mat Engineered Concrete Building Slab/Foundation:

1. The mat engineered 8” thick slab/foundation shall be engineered and constructed to withstand the transportation weight of the building without cracking and to resist absorption from any liquids deposited on the surface. The concrete slab shall be constructed inside a steel angle curb, reinforced with dual mats (tension and compression,) and poured with a custom concrete formula with special admixtures to create a finished slab that is waterproof for life.
2. The building slab/foundation will include the area under the covered entry.
3. Perimeter Steel Curb: 5/16” 50,000 kip steel 6” X 6” welded continuous angle.
4. Rebar Steel Mat: Two layers of 40,000 tensile steel rebar in varying sizes per engineers’ requirements, including a perimeter structural continuous grade beam design inside the exterior steel angle and at any other location deemed by the engineer of record as required for the use intended. In coastal locations or when required for corrosion resistance rebar shall be epoxy coated or fiberglass to resist permanent corrosion. Rebar mats shall be wire tied to code with a minimum of three turns of the wire and overlaps shall be minimum of 15 diameters for any connection.
5. All slab openings shall be surrounded with two layers of steel collars as required by the engineer of record to stop corner cracking and to reinforce the openings for lifting.

6. 1” thick by 3” minimum length threaded nuts shall be welded to the steel perimeter frame with continuous ¼” fillet welds. Nuts shall be welded to common steel plates per the engineer of records design and attached to the interior steel rebar structural mats.
7. The engineer of record shall provide lifting locations with sufficient reinforcement to allow the safe lifting of the entire designed weight of the structure with dual 1” steel bolts and washers at each lifting location. The number of lifting locations with each location fitted with removable ¾” 8” X 8” 50,000 tensile strength steel angles shall be determined by the engineer of record.
8. The slab shall be poured over a 1” thick steel plate table. The concrete mix design shall not exceed a 3” slump and shall be stinger vibrated for maximum consolidation. All floors shall slope to any floor drains within each room and if no floor drain is present the floor should not slope. The surface shall be a very light broom that should meet a coefficient of friction on the surface of .06. Birdbaths shall be cause for rejection.
9. The steel perimeter angle will remain below the concrete surface by nominal two inches to prevent corrosion. After the site concrete sidewalks are poured, the joint shall be full flow sealed with self-leveling grey urethane caulk to prevent penetration of water into the joint.
10. The building shall be designed for future relocation and shall provide protection for the lifting openings in the mat slab so that the threaded openings will be available for future use if needed.
11. The building system shall be designed for placement on a general contractor site prepared class 2 building subgrade/and or footings as required by code, per the bid drawings, suitable for 1500 pounds soil bearing capacity minimum. Any soils survey (if necessary) shall be by owner or engineer of record.

Q. Exterior & Interior Masonry Block Walls

1. The block walls shall be nominal 8” x 16” CMU. The building corners shall have special corner return block for structural integrity. All CMU shall be custom fabricated with an enlarged interior hole for placement of the grout and vertical rebar. The block walls shall be nominal 8” x 16” CMU. The building corners shall have special corner return block that matches the exterior finish and creates a uniform appearance. All CMU shall be custom fabricated with an enlarged interior hole for placement of the grout and vertical rebar. The exterior walls shall be 4” thickness per State of Oregon codes or engineering for wind and seismic. The interior walls shall be 4” block to nominally 7’-4” above finished floor and wood-framed with applicable required finishes above for pony and gable walls. A structural steel tubular .188 wall cap beam shall be welded to 5/16” 40,000 kip steel plate embeds, at intervals per the engineer of record, within the masonry wall. Cap beam shall be ZRC primed and painted, color to be selected by owner.
2. The 8” mat engineered concrete slab shall be cured a minimum of 7 days. Holes for vertical dowels shall be drilled into the mat engineered slab avoiding any grade beams or other structural reinforcement. Once the holes are drilled, blow out the remaining material and using two-part structural epoxy, wet set the #3 or #4 vertical rebar (as specified on the engineering calculations into holes drilled to the depth

per the engineer of record requirements. Each rebar shall be held vertical to allow equal epoxy support to each dowel during the drying period. Engineering calculations require that rebar shall be installed in each concrete block center void or every block hole. The engineered uplift on each rebar shall be sufficient to restrain any load imposed on the masonry block wall for vertical rebar pull out from the concrete mat engineered slab.

R. Roof System

1. The roof structure shall be 2" x 6" wood rafters at 24" on center with 5/8" OSB sheathing and ice and water shield membrane with ***26 gauge*** standing seam metal roof, color to be selected by owner from manufacturer's brochure. Building roof rake and fascia shall be wrapped with 16 gauge formed metal, primed and painted. Color to be selected by owner.
2. The roof design shall exceed compliance with local code at 20 PSF live load and wind load "C".
3. The restroom ventilation screens (described in a following section) shall be attached to the gable truss frames and vandal resistant. Roof color shall be determined by owner and selected from the color chart by restroom supplier.

S. Interior Wall Finish:

1. Interior precision CMU block masonry walls (Restroom Only) shall be smoothed to a pebble grain finish with 2-4 mil layers of 7-day curing block fillers and painted with two additional 4 mil layers of industrial high solids (white) industrial grade enamel. Walls shall be painted white with industrial high solids enamel. Utility chase and storage area shall be natural block finish.

T. E*xterior Wall Finish, Masonry and Gable*

1. The building exterior finish shall be ***khaki split face*** 8" x 16" CMU to wall height per the exterior elevations in the bid plans. The block shall be covered with 2-4 mil layers of 7-day curing block fillers and painted with two additional 4 mil layers of industrial high solids industrial grade enamel, color selected by Owner. The gable area finish shall be ***fiber-reinforced cement board, stucco finish***, painted in a color selected by owner.

U. Passive Ventilation System (Restrooms)

1. Shall be woven ¼" X 1" X 1", 316T, stainless steel wire mesh set in welded stainless steel angles attached to the masonry wall with vandal resistant stainless steel screws, per plans. There shall also be a 8" x 16" aluminum louvered vent in each restroom located on the chase at 9' AFF, nominal.

V. Doors and Gates

1. The restroom entry doors shall be 7' 0" high (with 4" undercut at bottom of door for ventilation and security), custom fabricated, 14-gauge steel; reinforced with 14 gauge steel ribs welded at 6" intervals on each face, concealed; reinforced with a welded plate for door closer mounting
2. Doors shall be hung on a single continuous, 1 million cycle, aluminum gear hinge

with stainless steel vandal resistant screws at nominal 4" on center. The doors shall weigh nominally 176 lbs each for a 36" X 84" door. Custom fabricated 14-gauge steel door jambs with 4" steel heads shall be welded to the steel cap beam and be solid filled with 3000 psi masonry grout mix. Doors shall be primed and painted with two coats of industrial enamel; color selected by owner.

3. All exterior entry doors shall have a ¼" thick stainless steel "Z-shaped" anti-microbial pull handles with integral latch guard and Best 83T (IE7 series cylinder/IC7 series core) commercial series dead bolts. The interior push-plate shall be anti-microbial for public safety and hygiene.
4. The door closer (restroom and concession entry doors only) shall be "LCN" heavy duty #4210 Series, fastened to a structural reinforced door plate per door manufacturer design. Stainless steel vandal resistant fasteners shall be used on all hardware.
5. Stainless steel vandal resistant fasteners shall be used on all hardware.

W. Specialties

1. All specialty washroom equipment shall be commercial grade stainless steel fastened securely to walls with vandal resistant stainless-steel screws to avoid removal by vandals as follows:
2. Toilet paper holders shall be ***Royce Rolls TP-4***, ***three-***roll stainless steel. Toilet paper holders shall be attached to block walls with 4 epoxy-bedded vandal resistant stainless steel fasteners.
3. Stainless steel grab bars to code shall be 1 ¼" minimum exposed fastener vandal resistant design and installed at each accessible water closet.
4. Cast Aluminum Oregon compliant signage shall be recessed into block surface flush with masonry/stucco exterior and door sign shall be blind fastened with epoxy adhesive and stainless-steel fasteners. Wall signs shall have raised pointed Braille tips. Signage shall comply with AB1732, identifying the restrooms as "All Gender Restrooms."
5. Stainless steel baby-changing stations (***Foundations Model 200-EH-1***) shall be mounted in each accessible restroom with identifying signage on the exterior adjacent to the restroom signage.
6. Emergency Eye Wash Station: Shall be Acorn Model S0P50 mounted in the utility chase.

X. Plumbing:

1. Building shall be fully compliant with current with the following codes:
   a) All applicable State of Oregon Building Codes. Latest edition applicable.
   b) Oregon Plumbing Code. Latest edition applicable.
2. GENERAL: All components and fabrications shall be designed to reduce life cycle maintenance, be compatible with current maintenance spare parts, and shall be listed in a spare parts/maintenance manual (two copies) delivered in utility chase of building.
3. WATER PIPING: Shall be type L copper soldered per code above grade and type K with silver solder below grade. All water piping shall be designed and constructed with high and low point drain fittings. All piping shall be mounted on Uni-strut wall

brackets with neoprene isolators, to code.

4. WATER PRESSURE GAUGE/VALVE COMBO: install three commercial grade industrial water pressure gauges (one on incoming line, one at pressure regulator valve and one after water filter), isolation ball valves, 150 PSI pressure regulator with wye strainer, 10-micron water filter with clear canister, and check valve. System will also incorporate a ***ProFlo PFXT5 Bladder Tank*** for additional plumbing protection.
5. PLUMBING FAUCETS, ISOLATION VALVES AND ACTUATORS: All fixtures except those with flush valves shall be isolated with ball valves for each fixture, concealed hydraulic push-button flush valves, and metered push-button lavatory faucets.
6. DWV PIPING: DWV piping shall be concealed behind the wall. DWV piping shall be PVC DWV, solvent welded, for all concealed piping. A cast iron no hub DWV vent pipe with a cast iron roof mounted vandal cap vent shall be required, through the roof.
7. REMOVABLE PIPE TRAPS: all floor drain, sink drain, and waste traps shall be removable for maintenance. Floor drains shall be trapped behind the wall in the utility chase using a combination waste and vent system. Floor drains shall be increased two pipe sizes over standard to allow code use. Trap primers for restroom floor drains shall be located in the utility chase. All surface mounted utility chase piping shall be mounted on Uni-strut with plastic isolators to code. Sink drain traps shall be concealed behind the utility chase walls where maintenance staff can access all plumbing.
8. PLUMBING FIXTURES: Plumbing fixtures shall be 14-gauge, 316 stainless steel manufactured by Acorn. Toilets shall be wall hung, rear discharge, with concealed, ADA-compliant, hydraulic push-button type, flush valves. Toilet seats shall be black solid core plastic, non-flammable construction with continuous stainless steel concealed self-checking hinges. Exterior Lavatories shall have concealed remote traps behind the mechanical wall. Schedule of fixtures:
    a. ***Water Closets: Acorn Penal-Ware, 1675-W-1-HET-FVBO-9-ADA-PFS***
    b. ***Water Closet Flush Valve: Zurn ZH6152AV-HET-7L-BG***
    c. ***Lavatories: Acorn Penal-ware 1652LRB-1-DMS-03-M-316SS***
    d. ***Lavatory Faucet: Chicago MVP 333-E2805-665PSHABCP-TEMPERED***
    e. ***Soap Dispensers: PRC Through Wall SS Tank W/Lav Dispensers***
9. FLOOR GRATES: Removable 350 lbs. per square foot pultruded fiberglass non-skid floor grates shall be installed over every opening in the utility chase for OSHA compliance.
10. HOSE BIB: There shall be ***one*** Acorn 8120-CP hose bib provided in the utility chase.
11. HOSE REEL: ***N/A***
12. HI-LO DRINKING FOUNTAIN: ***N/A***
13. BOTTLE FILLER: ***N/A***

Y. Electrical:

1. GENERAL: Electrical system and components shall be commercial grade or better

and piping conduits shall be installed on commercial Uni-strut wall hangers. Interior lighting fixtures in public areas shall provide lifetime manufacturer's warranty.

2. PANEL/WIRING: ***One 100 amp*** (restroom) or 225 amp (restroom/concession), 120/240v, single-phase, industrial grade Panel Board, Square "D" QO series with 100 or 225 amp main circuit breaker, shall be mounted in the utility chase in the restroom building. All breakers shall be ***Plug***-on type, minimum 10,000 A.I.C. RMS (Sym). Wiring shall be copper wire #12 min in EMT piping with compression fittings.
3. PIPING: All piping shall be surface mounted to the masonry block walls with minimum of 2" fastener penetration. EMT conduit shall be compression type. Main panel shall maintain a 30" X 36" safety code required clear space, floor to 6' above finished floor.
4. HAND DRYER: Shall be ***Dyson Airblade Model # HU02***, low energy, remote located vandal resistant design. Dryer shall be mounted in the utility chase with only protruding cast metal air nozzles and start switch accessible to the public at exterior lavatory. Dryers shall be 840 watts, low energy consumption. One mounted adjacent to each exterior lavatory.
5. WATER HEATERS (exterior lavatories): Shall be ***Steibel-Eltron DHC 8/10*** shall be located in the utility chase, shared for each lavatory (***Qty.1***). The water to the lavatories shall be tempered.
6. EXTERIOR LIGHTING: ***Luminaire AEL-24 (Dark Sky Compliant), 20 watt***, LED, vandal resistant, high-impact polycarbonate lens fixtures shall be installed per plans,
7. INTERIOR LIGHTING: ***Luminaire SWP1212, 15 watt***, LED, vandal resistant high-impact polycarbonate lens fixtures shall be installed in the restrooms per plans (one in each restroom) and shall have ***integral occupancy sensors***. The chase shall have a 4' single-tube, 18-watt LED fixture suitable for wet locations, with a single switch at door entry. .
8. LIGHTING CONTROL: All interior restroom lighting shall be controlled by built-in fixture ***occupancy sensors*** and 2 bypass switches (one for interior lighting and one for exterior lighting), so maintenance staff can check operation during daylight hours. A single photo cell, roof mounted, and shall control all exterior lighting.
   ELECTRICAL OUTLETS: ***One (1)*** commercial spec grade duplex outlet shall be located in the utility chase adjacent to the panel. There shall be one additional outlets located in the storage area.

Z. Shipping Protection

The building, while traveling over roads to the destination may encounter inclement weather or road grime that could require substantial cleaning when it arrives on site. The building shall be shrink-wrapped before transportation and sufficiently strong to arrive at the owner site intact for exterior finish protection. Materials removed on site shall be disposed of and recycled by restroom building install staff.

AA. Certifications

Building shall be certified in compliance with the plan approval by the State of Oregon, Department of Housing and Community Development. The building shall be delivered

with an applied insignia, in compliance with all State regulations. The local building authority shall provide site inspections for the underground mechanical piping and final connections, footings, and access issues outside the restroom footprint. Restroom Building Subcontractor shall also furnish 5-year component/20-year structural warranty and maintenance manuals for the building and components.

END OF SECTION

DESIGN LOADS

Date:	3/28/2022	Size:	8'8" x 19'4"	Floor:	Mat Slab
	Public Restroom Company	Description:	Restroom building	Wind:	115 C
Location:	Albany, OR			Roof:	25
Project:	**Albany Amtrack Station**	State Seal:	Oregon		

TYPE OF BUILDING		
Walls to 7'4"	Masonry	
Custom	Wood framed walls above cap beam, wood truss roof structure, 1" x 1" x 3/16" S.S. vent	
FLOOR SYSTEM		
Type	Light weight concrete in primed 6x6 steel angle frame	
Floor finish		
Chase	Exposed concrete with light broom finish with water resistant coating	
Restrooms	Laticrete Spartacote Flex XPL "Medium Gray" epoxy with blended epoxy chips	
	NOTE: DO NOT apply water resistant coating to floors that get tile or epoxy coatings	
Fiberglass grates	Yes Provide grates for slab openings Qty (2)	
Foundation Tie-Downs See note	Yes Provide steel angle tie down plates	
Note: (Required for buildings that will be placed on concrete footings)		
WALL SYSTEM (structural)		
Framing		
Exterior 4" CMU	Split face, all rows, Khaki	
Interior 4" CMU	Precision, gray	
Cap beam (all walls)	Steel tube, painted	
Above cap beam (all walls)	2x3 wood framing with PT bottom plate	
Vents (exterior RR walls)	Above cap beam: 1" x 1" x 3/16" S.S. Wire mesh (6)	
Vents (Mech)	Sunvent Industries model #157 EX w/O.B Damper	
Sheathing (framed walls above cap beams	7/16" OSB both sides - Note: paint one side of the OSB	
WALL FINISHES - Exterior		
CMU	Sealed, full height	
Siding	Cement Board (sheet), painted - stucco pattern, above cap beam	
Vent trim	1/8" S.S. angle - painted	
Other	Install removable lexan covers for vents	
WALL FINISHES - Interior		
Restrooms	to cap beam	Block filler & paint
	Base	None
	Above cap beam	Painted Cement Board - stucco pattern
Mechanical	to cap beam	Block filler & paint
	Above cap beam	Painted OSB
Note: All paint to be Pitt-tech DTM EP		
ROOF SYSTEM		
Style:	Hip with 5/12 pitch, 20" overhang (Nom)	
Roofing:	Comp "Owens Corning Duration Premium" (limited lifetime)	
Ridgevent:	9" VentSure rigid roll ridge vent	
Underlayment:	High temp self adhering	
Framing:	Custom Trusses @ 24" oc	
Venting:	Soffit and Ridge	
Ceiling:	5/16" Cement Board Stucco Pattern	
Insulation:	R21 unfaced fiberglass batt	
Sheathing: (top)	5/8" Plywood	
Sheathing: (bottom)	5/8" OSB	
Soffit:	1/4" Fiber Cement Panel "Cedar Mill" - Perforated as required for venting	
Fascia - eave & rake:	16 ga formed steel (L shaped)	
Drip edge:	2" x 1-1/2" x 1/2"	
Drainage	Gutters and downspouts supplied and installed on site by others if required	

DOORS & HARDWARE

	Qty	Size	1 & 2 Type	3 Hinge	4 Lock	5 a Closer	5 b Pull plate	5 c Thresh	5 d Sweep	6 Notes
Restroom	2	3'x7'	HM	Cont	L9456	yes	no	270A	no	6a,b
Mechanical	1	3'x7'	HM	Cont	B660J	no	both sides	270A	321 SSN	6c,d

1. DOOR TYPES:
   a) HM: GALVANIZED HOLLOW METAL, 14 GA DOOR w/ 14 GA FRAME.

2. ALL H.M. DOOR FRAMES:
   WELDED
   4-3/4" WIDE, TYPICAL
   4" MASONRY HEADERS

3. HINGE SPECS
   a) CONT = PEMKO KCFM-83" HD CONTINUOUS GEAR HINGE

4. LOCKS
   a) DEADBOLT: SCHLAGE B SERIES 626 WITH TEMPORARY CONSTRUCTION FULL SIZE INTERCHANGABLE CORE (FSIC)
      1) B660J - KEY ONE SIDE, ADA TURN LEVER LOCKS AND UNLOCKS
   b) SCHLAGE L SERIES MORTISE LOCK
      1) L9456L 06A 626 L283-722 W/L583-363 ADA - CORRIDOR LOCK WITH OCCUPANCY INDICATOR

5. HARDWARE SPECS:
   a) CLOSER: LCN 4211 (add CUSH ARM for out swing doors)
   b) PULL PLATES:
      1) PULL PLATE: ROCKWOOD **VRT24C US32D x 91 CFC US32DMS** (WITH ANTIMICROBIAL HANDLE AND LATCH GUARD)
   c) THRESH: PEMKO
      1) #270A FOR NON TILED FLOORS
   d) SWEEP: PEMKO 321 SSN

6. OTHER:
   a) UNDERCUT DOORS 4"
   b) MAGNETIC LOCKS - SUPPLY & INSTALL M62B SECURITRON SYSTEM
   c) WEATHER STRIP - PEMKO 303-S
   d) PROVIDE CHECK CHAIN (Ives CS 115-20)

RESTROOM ACCESSORIES

ITEM	QTY	SIZE	MANUFACTURER / MODEL #	FINISH	NOTES
Grab Bars	2	18"	Bobrick 6806	S.S.	
Grab Bars	2	42"	Bobrick 6806	S.S.	
Grab Bars	2	48"	Bobrick 6806	S.S.	
Signs - rectangular room ID ADA - "Unisex"	2	6"x9"	Sign Elements	Aluminum Blue	
Signs - rectangular room ID - "Baby changing"	2	6"x9"	Sign Elements	Aluminum Blue	
Toilet Paper Holders	2	3-roll	Royce Rolls TP-3	S.S.	
Baby Changing Station	2		Foundations #5410339	S.S./Poly	
Hand Dryer	2		Dyson Airblade V HU02	Nickel	Surface mount
Soap Dispenser (behind the wall tank)	2		Ninth Inning	S.S.	
w/thru wall valve	2		ASI #353		
Utility Hook	2		Franklin Brass 5501	S.S.	

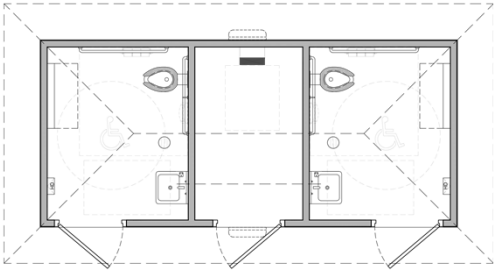
MISC

Sight screens	None
Lifting brackets	None
Shrink wrap	Yes

PLUMBING		
Restrooms		
Fixture type	Stainless Steel	
Toilets	Qty: 2	Acorn #1675-W-1-HET-1.28-FVBO-ADA-PFS-316SS
Seats	standard	Bemis 1955C (Black)
Flush valves	standard	Zurn Z6143AV-HET-BG-7L
Lavs (wall hung)	Qty: 2	Acorn #1652-LRB-1-DMS-03-M-316SS
Faucets	Chicago 333-E2805-665PSHAB	
Floor drains:	Qty: 2	Zurn ZN460-2NH-5B with Proflo PFTP-2500 trap primer
General		
Water heater	Yes	Stiebel DHC-E 8/10
Tempering valve 1/2"	Yes	Acorn ST70-12
Water filter	Yes	(single) Keystone CG10
Pressure Gauge	Yes	Proflo PFXPG100K
Check valve	Yes	1-1/2" Nibco S-480-Y-LF
Pressure reducing valve	Yes	1-1/2" Watts LF25 AUB (lead free)
Expansion tank	Yes	Prep for 26 gallon, install Proflo PFXT5I
Hose bib (interior)	Yes	Acorn 8121 LF in mechanical room
Water	Copper	Insulated Hot Cold Tempered
Waste	PVC	
Vent cap	Yes	Smith 1748

ELECTRICAL		
Service	100 amp 120/240 volt single phase	
Meter base	Provided and installed on site by others	
Panel	100 amp - main breaker	Square D 20 circuit
	(1) Cover	Square D QO
Breakers	Plug on	Square D QO
	() Single pole 20 amp	QO120
NOTE:	**All wiring must be stranded**	
NOTE:	**Run equipment ground wire in all conduits**	
Raceway	Metallic (EMT in exposed areas & MC Cable where concealed)	
Receptacles	(1) Dedicated GFCI	Leviton GFNT2-W
Switches	(4) Single pole (3 BYPASS)	Leviton 1221-W
	(1) Photocell - Wall Mount	Intermatic EK4336S
	(1) 7 day programmable timer (exterior lights)	Intermatic EI600WH
Lights - **Exterior**	(2) 20 watt LED	Luminiare AEL24-20W-120-4000K-DP-BZH
	Controlled by photo cell	
	Controlled by time clock	
	Controlled by BYPASS SWITCH	
Lights - **RR**	(2) 15 watt LED	Luminiare SWP1212-15W-4000K-OP-BRZ-OCC
	Controlled by integral motion sensor	
	Controlled by remote single pole switch	
Lights - **Mechanical**	(1) 4 ft.-1 lamp- LED	Greenlighting AL-41L
	Controlled by single pole switch	
Emergency light - **Mechanical**	(1) 2.4 watt LED	Lithonia ELM2L
Wire for	(2) Hand dryer	Dyson Airblade V (1000 W)
Wire for	Securitron system (2 doors)	
	(1) Power Supply	BPS-24-1
	(1) Battery	B-24-5
	(1) Digital Timer	DT7
	(1) Bypass switch	SS2309PO-EN
	(2) Timemate Timer	TM9
	(2) Magnalock	M62B
	(2) Exit Button	PB-5
Wire for	(1) Water heater	Stiebel DHC-E 8/10

PROJECT REF#: 10773-2/11/2022-2



FLOOR PLAN

SCALE: NOT TO SCALE

RESTROOM BUILDING
CITY OF ALBANY, OREGON

ALBANY AMTRAK STATION

ARTIST IMPRESSION: 3D RENDERING ONLY FOR REPRESENTATION. COLORS AND MATERIALS ARE SUBJECT TO CHANGE

PUBLIC RESTROOM COMPANY
Building Better Places To Go.℠

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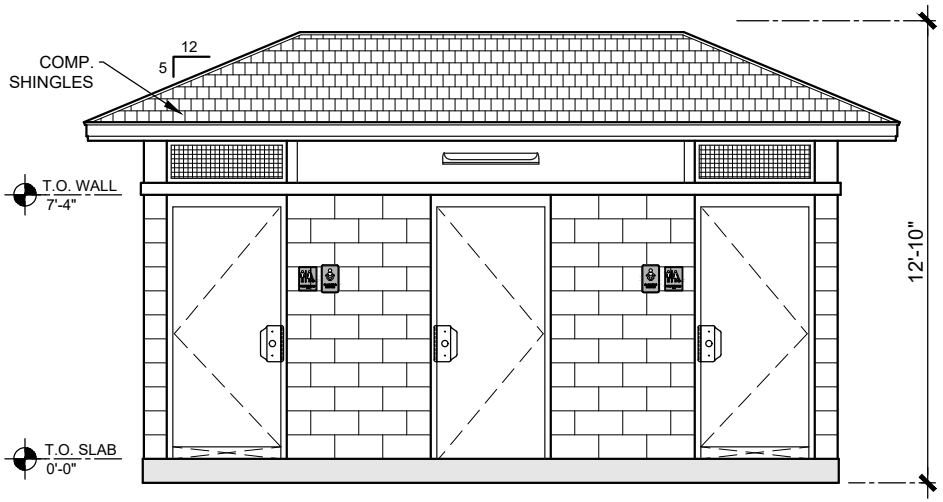
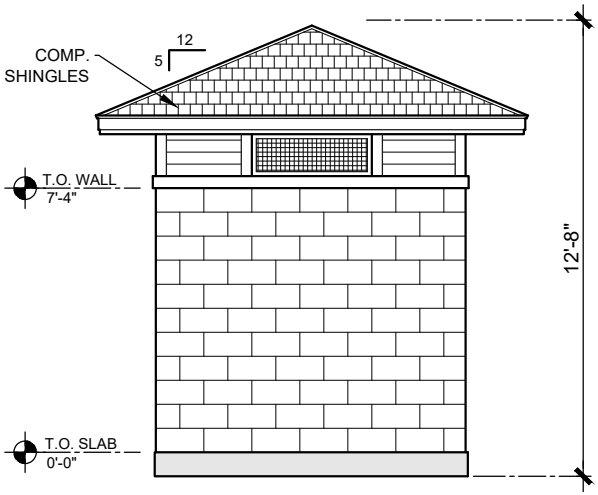
PROJECT REF#: *10773-2/11/2022/3*



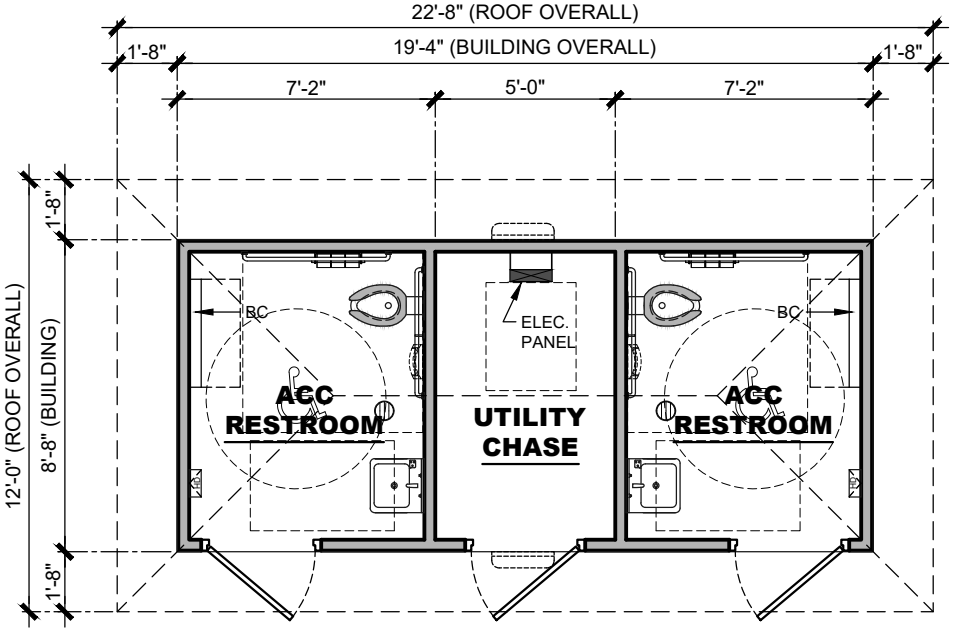
ELEVATION 1

SCALE:3/16"=1'-0"



ELEVATION 2

SCALE:3/16"=1'-0"



FLOOR PLAN

SCALE: 3/16"=1'0"

PUBLIC RESTROOM COMPANY Building Better Places To Go.℠	BUILDING TYPE: **RESTROOM BUILDING**	REVISION # **3**	REVISION DATE: **2/11/2022**	SHEET#
	PROJECT: **ALBANY AMTRAK STATION CITY OF ALBANY (ODOT), OR**	PROJECT #: **10773**	DRAWN BY: EOR	
			START DATE: **1/23/2020**	MAX. PERSON / HOUR: **90 S**
			DRAWN BY: EOR	

Ph: 888-888-2060 | Fax: 888-888-1448

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