



Whitley Manufacturing Co., Inc.
201 W. First Street S. Whitley, IN 46787 Phone (260) 723-5131 Sales Fax (260) 723-6396
whitley@whitleyman.com

Building Type

Whitley Toilet Facilities

Building Code

BOCA, UBC, SBCCL, NEC, ADA

• **Structural Support**

- Outrigger construction is standard on Whitley Toilet Facilities.
- Main support beams to be minimum 8” 6.34# per lineal foot rolled M I-beam
- Crossmember to be 3” formed c-channel on **Whitley** model OR support system.



• **Floor System**

- Bottom enclosure to be .040 thickness asphalt impregnated kraft paper with vermin barrier.
- R-19 fiberglass batt insulation.
- 2x6 #2 or better SPF minimum spaced 16” on center running transverse to structural support I-beam on **Whitley** model OR4012 support system.
- Floor decking to be single layer 5/8” tongue and groove underlayment grade plywood glued and nailed per Whitley fastening schedule.
- Floor covering to be 1/8” thick vinyl composition tile. (additional finishes may be supplied as an option)
- Base trim to be 6” vinyl through out.



• **Exterior Walls**

- Framing will be 2x4 construction 16” on center per code. Minimum lumber grade to be #2 or better SPF.
- Wall height is 8’0” minimum.
- Wall covering shall be 5/32” vinyl covered paneling.
- Insulation is R-13 kraft faced fiberglass batts. All penetrations in exterior framing to be foamed or caulked to prevent air infiltration.
- Exterior siding shall be .019” thick vertical crimp aluminum siding with a baked enamel finish. Siding shall be installed over 3/8” CDX plywood or oriented strand board.



- **Interior Walls**

- 2x4 #2 or better SPF 16” on center with 8’ wall height unless noted differently on **Whitley** floor plans.
- All partition to be covered with 5/32” minimum vinyl wrapped paneling with matching battens at panel seams. (Fiberglass reinforced panels (FRP) is standard in some locations due to building code)

- **Roof System**

- Minimum bow pitch rafters 16” on center. Roof to slope a minimum of 1/8” per lineal foot to the module side walls. Please refer to **Whitley** “Roof Profiles” sheet for further description.
- Ceiling to be pre-finished gypsum with no exposed fasteners.
- Roof insulation to be R-19 unfaced fiberglass batts.
- Roof sheathing to be ½” CDX plywood under ¼” densdeck.
- Roof finish is fully adhered black EPDM.

- **Doors and Hardware**

- Main Entry doors shall be reinforced fiberglass with an aluminum jamb (optional vision panel shown). Hardware shall include an ADA approved-keyed lever lock, closer, and vision lite if so desired.



- **Windows**

- Windows shall be obscure glass. Size shall be 24” x18” and have an awning sash.

- **Whitley Electrical System**

- Each building module shall a minimum 100-amp single-phase load center.



- All wiring shall be minimum #14 cu romex.
- Receptacles and switches shall be installed per code and floor plans.
- Interior lighting shall be 12” x48” fluorescent type with prismatic lenses. Minimum lighting level shall be 50-foot candles through out all work areas.

- **Whitley Plumbing Systems**

- Water closets shall be low consumption floor mount tank type construction of vitreous china. ADA approved fixtures shall be provided as indicated on the **Whitley** floor plans.



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- Lavatory sinks shall be wall hung in a laminate counter-top. ADA approved fixtures shall be provided as indicated on the **Whitley** floor plans.



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- Wall hung urinals shall be included per Whitley floor plans.



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- Water heater shall be electric and sized per the fixture quantity on the Whitley floor plan.



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- Supply piping shall be Type L copper.



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- Waste and Vent piping shall be a minimum of Schedule 40 PVC.
- **Restroom accessories**
 - Each water closet shall have (1) single roll chrome plated toilet tissue dispenser.
 - ADA approved grab bars shall be provided at all handicap accessible water closets.
 - Each restroom lavatory shall include an 18" x36" stainless steel mirror.
- **Whitley HVAC systems**
 - Building shall be equipped with a through wall self-contained cooling unit with electric resistance heat. HVAC unit shall be sized according to heat loss gain calculations. (central HVAC systems may be supplied as an option or are standard on larger Toilet Facilities)
 - Restroom exhaust shall be ceiling mounted and ducted through the building roof.
- **Whitley Supplied Furnishings**
 - Many Whitley built toilet facilities include high quality steel modesty partitions with a baked enamel finish.



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*Finishes may vary slightly by manufacturing location