



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 Shower Locker Toilet Facilities**

**Building Code**

**BOCA, UBC, SBCCL, NEC, ADA**

• **Structural Support**

- Outrigger construction is standard on Whitley shower, locker, and toilet facilities.
- Main support beams to be 12", 11.8# per lineal foot rolled M. I-beam
- Crossmember to be 3" formed c-channel on **Whitley** model OR8014 support system.



• **Floor System**

- Bottom enclosure to be .040 thickness asphalt impregnated kraft paper with vermin barrier.
- R-19 fiberglass batt insulation.
- 2x8 #2 or better SPF minimum spaced 16" on center running transverse to structural support I-beam on **Whitley** model OR8014 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.
- Return air plenum walls shall be located per **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. Customers’ choice of FRP or smooth aluminum finishes over the shower stalls.
- 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 insulated steel with a wood jamb and brick-mold. Hardware shall include an ADA approved-keyed lever lock, closer, and vision lite if so desired.



- Interior doors shall be hollow core pre-finished in a painted wood jamb. Hardware shall include ADA approved passage or privacy sets, 1 ½ pair mortised hinges.
- All door quantities shall be as per the **Whitley** floor plans.



- **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. Vapor proof lighting shall be used in the shower rooms per code.

- **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.



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



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



- 
- One-piece fiberglass shower stalls shall be included per the Whitley floor plans. ADA approved showers are also included per plan.



-

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



- Supply piping shall be Type L copper.



- 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**

- Each building module shall have one wall mount self-contained air conditioner with electric resistance heat strips. HVAC units shall be sized per code and the heat loss gain calculations.



- Supply ducting shall be minimum 7/16" thick foil faced fiberglass duct board. Each main trunk line shall have the proper transitions so as air velocity does not decrease at the end of the duct run.
- Supply air diffusers shall be 10" x10" 2-way design compatible with the gypsum ceiling system.



- HVAC controls shall be accomplished via manual change over heat and cool thermostats.
- 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.



- Whitley Shower-Locker-Toilet facilities may also include a wide variety add on furnishings such as single tier or double tier locker systems, hardwood change benches with steel supports, laundry facilities, etc.

\*Finishes may vary slightly by manufacturing location