



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 Classroom Buildings

Building Code

BOCA, UBC, SBCCI, NEC, ADA

• **Structural Support**

- Outrigger construction standard, **Whitley** model classrooms.
- 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 OR. support system.



- Perimeter support system may be offered as an option.

• **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 OR6812 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. (optional carpet is available)
- Base trim to be 4” vinyl with toe in all rooms except restrooms, which will receive 6” vinyl.
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• **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 ½” thick vinyl wrapped drywall with no exposed fasteners.
- Insulation is R-13 kraft faced fiberglass batts. All penetrations in exterior framing to be foamed or caulked to prevent air infiltration.
- Exterior siding is 5/8” thick (nominal) vertical groove siding as provided by Duratemp. (optional exterior finish treatments are available, refer to the **Whitley** “Building Gallery” for additional ideas)
- All exterior trim shall be as supplied by “Georgia Pacific”, style to be textured “Prime Trim”.





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• **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 ½” minimum vinyl wrapped drywall with no exposed fasteners.
- Corridor partitions shall be of fire rated construction per code.



• **Roof System**

- Minimum gable 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.
- T-grid system may be offered as an option.
- 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.
- Decorative mansard to extend a minimum of 1 ½” beyond the face of the exterior walls on the building perimeter. Mansard covering shall be in the same finish as the buildings siding. Please refer to **Whitley** “Mansard Profiles” sheet. Model number is MA-2.



• **Doors and Hardware**

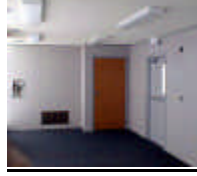
- Exterior doors shall be insulated steel with a steel jamb, ball bearing hinges, rim panic, exterior pull, closer, and vision panel.



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



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- **Windows**

- Windows shall be dual pane glass. Size shall be 48" x48" and have a vinyl horizontal sliding sash. Interior jambs shall be painted with matching 2 1/4" casing. All windows shall have 1" mini blinds for privacy and light control.



- **Whitley Electrical System**

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



- All wiring shall be minimum #14 cu romex. (EMT conduit wiring is offered as an option)
- 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 75-foot candles through out all work areas.
- Egress lighting shall be accomplished by use of exit-emergency lights with remote exterior heads and battery packs. Egress lighting shall be installed per the building code.
- Fire and data rough in's shall be provided in each private office and work space. Rough in shall include an empty junction box with a conduit and pull wire extending to below the floor. Final wiring and devices shall be by the owner.

- **Whitley Plumbing Systems (pre print)**

- 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 vitreous china. ADA approved fixtures shall be provided as indicated on the **Whitley** floor plans.



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- - 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.



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- 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.**
 - Whitley Manufacturing offers a wide range of furnishing options. From storage chalk and tack boards, to storage closets, to custom laminate shelving. Whitley classrooms arrive to your site fully functional. All you need to do is add the students.





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- **Fine examples of Whitley Classroom Buildings**
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*Finishes may vary slightly by manufacturing location