

# WHAT IF VALUE AND QUALITY WERE AVAILABLE IN THE SAME STRUCTURE?

## THE WHITLEY ADVANTAGE.

We are a company with a history and reputation that stretches back 60 years. Our structures can be found at premier hospitals, Fortune 500 companies, government grounds, and on school campuses across the country. The company remains focused on the future, designing innovative building systems and developing new materials to insure our clients receive structures built to exacting specifications.

## PROTECTING THE INTEGRITY OF THE LEARNING ENVIRONMENT.

Value is a prime factor in the selection of a relocatable classroom structure. At the same time, Whitley Manufacturing believes that we must protect the integrity of the learning environment. Our plans were developed with the assistance of teaching professionals, this allows us to create new and more effective designs, and also the reason that Whitley classrooms are built with the latest high-quality materials.

## DISTRIBUTION AND CUSTOMIZATION.

Whitley Manufacturing has a skilled design department that can work with your architect of record, or independently, to create a custom layout to suit your unique needs and requirements. Whitley Mfg. offers relocatable classroom buildings, expansion wings for existing facilities, and custom, permanent structures. We design and construct single or multi-story buildings of non-combustible or standard construction types. Whitley Mfg. also constructs press boxes, concession / ticket sales / restroom facilities, shower / locker facilities, and relocatable restroom buildings.

### Contact Whitley Manufacturing:

- Inquire about custom design options;
- Request additional information;
- Find a distributor in your area.

**(260) 723-5131**



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### From Whitley Mfg:

- Socrates (2-class system)
- Aristotle (4-class system)
- Pythagoras (6-class system)
- Plato (8-class system)
- Cicero (12-class system)

W H I T L E Y M A N U F A C T U R I N G



# 4 steps to modular space

modular

1

## Select your layout and amenities.

Consider how many students need to be accommodated. Base square footage decisions on the size of the site. Consider any teacher request - numerous options are available.

2

## Select your manufacturer.

Whitley Manufacturing is the nation's premier modular manufacturer. Compare our specifications and the Whitley Advantages to other manufacturers. We feel that the choice is clear.

3

## Select your distributor.

The nation's finest modular distributors build with Whitley Manufacturing. Contact us, and we will direct you to a distributor in your area with experience in the educational market.

4

## Add Students.

The power of the modular system is its construction speed. In a fraction of the time, you can be holding classes.



# S P E C I F I C A T I O N S

## STRUCTURE

- Standard perimeter frame construction.
- Main support beams to be 12" 11.8# plf rolled M. I-beam.
- **Steel sub-floor & structure custom welded and fabricated for each model.**

## FLOOR SYSTEM

- Bottom enclosed with .040 asphalt-impregnated Class A Polymax paper with vermin barrier.
- Insulation installed in floor system per code.
- 2 x 6 #2 SPF (or better) min. at 16" OC running longitudinal to support beam (Whitley engineered support system OR-6812).
- **Floor decking 5/8" T&G underlayment with Whitley std. fasteners and urethane foam adhesive.**
- 1/8" vinyl composition tile std. (carpeting opt. available).
- 4" vinyl base trim with toe (6" in restroom areas).

## EXTERIOR WALLS

- 2 x 4 framing at 16" OC per code. SPF #2 min.
- 8'-0" minimum wall height.
- Walls covered with 1/2" vinyl wrapped drywall (no exposed fasteners).
- Exterior covering is vertical groove siding by Duratemp. (numerous optional materials available).
- Exterior trim is LP™ Smart Trim.

## INTERIOR WALLS

- 2 x 4 #2 SPF (or better) at 16" OC with 8' wall height.
- Return air plenums located per plan.
- Walls covered with 1/2" vinyl wrapped drywall.
- Partitions to be fire rated if req'd by code.
- Interior walls insulated to provide sound reduction.

## ROOF SYSTEM

- Gable pitch 16" OC. Roof to slope 1/4" per foot (min) to the side walls.
- Ceiling to be suspended, T-grid type standard.
- Roof system is to be insulated to code.
- **Roof structure is F.R. deck product.**
- Roof finish is fully adhered black EPDM.
- Decorative mansard to extend 1-1/2" (min) beyond the face of the ext. walls. A variety of profiles are available.

## DOORS & HARDWARE

- Exterior doors to be insulated steel with steel jamb, ball bearing hinge, rim panic, exterior pull, closer, and vision panel.
- **Interior doors to be solid-core, pre-finished with a painted steel jamb.** Hardware includes ADA-approved passage or privacy sets, 1-1/2 pair mortised hinges, and closers or spring hinges on rated doors.

## WINDOWS

- Windows to be dual-pane glass (appx. 48" x 48") with vinyl horizontal sash. Interior jambs painted with matching 2-1/4" casing. 1" mini-blinds supplied with all windows.

## ELECTRICAL SYSTEM

- Each building section contains a minimum of one 100-amp single phase load center.
- All wiring #14 cu. Romex (EMT conduit wiring optional).
- Receptacles & switches installed per code.
- Interior lighting supplied by 12" x 48" fluorescent type with prismatic lenses. Min. lighting to be 75-foot candles throughout work areas.
- Egress lighting to be exit-emergency lights with remote exterior heads & battery packs.
- Fire & data rough-ins provided in ea. private office or work space. Rough-in includes junction box with conduit and pull-wire. Final wiring & devices by owner.

## PLUMBING

- Water closets use low-consumption floor mount, tank-type construction of vitreous china. ADA-approved fixtures.
- Lavatory sinks are wall-hung vitreous china ADA-approved.
- Electric heater sized per fixture quantity.
- Supply type to be Type-L copper or PEX.
- Waste & vent piping is Schedule 40 PVC.

## RESTROOM ACCESSORIES

- Each water closet supplied with one single roll chrome plated toilet tissue dispenser.
- ADA-approved grab bars provided at all handicapped accessible water closets.
- Each restroom lavatory supplied with an 18" x 36" stainless steel mirror.

## HVAC SYSTEMS

- Each module supplied with one wall-mount, self-contained air conditioner with electric resistance heat strips. HVAC units sized per code and heatloss / gain calculations. Classrooms individually zoned for maximum temperature control.
- Supply ducting 7/16" (min) thick foil faced fiberglass duct board. Each main trunk installed with proper transitions to insure consistent air velocity.

## FURNISHINGS

- Whitley Mfg. offers a wide range of furnishing options ranging from storage chalk and tack boards to storage closets and custom laminate shelving & cabinetry. Whitley classrooms arrive to your site fully functional - just add students!

## POSSIBLE OPTIONS

- Custom exterior looks. A variety of stucco, cement, masonry, and commercial panel coverings are available.
- CO<sub>2</sub> detectors.
- Carpet tiles.
- Durable rubber floor in entry foyer.
- Custom laminate cabinetry for storage or A/V equip.
- Acoustical tile suspended (T-grid) ceiling.
- EMT conduit-type wiring system in building or MC cable.
- Gas-powered HVAC units.

## WHITLEY ADVANTAGES.

**ONE.** Custom fabricated sub-floor & structure. Rather than purchasing a stock frame and trying to force the building on to it, we design & fabricate a custom structure for our individual plans. This allows for easier transport, better support, and can add years of maintenance-free life to the building.

**TWO.** Whitley floor decking is affixed with a unique adhesive. This helps eliminate uneven flooring (lumps) and reduces noise (floor squeaks or creaking).

**THREE.** With a wide-range of exterior materials available, Whitley can satisfy your design needs. Whether you want to match the existing facade of your campus buildings, or need to place the structure in a community with an eye for design, our range of materials can deliver.

**FOUR.** Our unique decking material eliminates the traditional "layered" fire protection. Whitley can eliminate human error from that phase of construction and deliver a more efficient and higher quality building.

**FIVE + SIX.** Daylighting and noise reduction have proven to be important factors in a quality educational environment. Our large windows provide ample light, while the double panes retain energy efficiency. Solid core doors help reduce noise transmission between classes.

**SEVEN.** PEX plumbing is a unique material that can be used for waterlines. PEX's polymer composition allows it to flex in situations where water freezes. In this manner, PEX will not burst in a freezing incident. PEX tubing is freeze resistant in the range of winter temperatures found in North America.

MORETECH