Building Type  Whitley Office Buildings

Building Code  BOCA, UBC, SBCCI, NEC, ADA

- **Structural Support**
  - Perimeter construction is standard on Whitley built office facilities, model PR6412 (outrigger support system may be utilized as a cost savings option)
  - Main support beams to be 12” 11.8# per lineal foot rolled M. I-beam
  - Crossmember to be 8” 6.34# per lineal foot Jr. I-beam on Whitley PR6412 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 longitudinal to intermediate support I-beam on Whitley model PR6412 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. (carpet may be added as an option)
  - Return air system to be fully ducted throughout the building, installed between floor joists. Or installed overhead above the drop ceiling. (customers choice)
  - Base trim to be 4” vinyl with toe in all rooms except restrooms, which will receive 6” vinyl.

- **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. Finished ceiling height to be 7’ 10 ½”
  - 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.
  - All exterior trim shall be as supplied by “Georgia Pacific”, style to be textured “Prime Trim”.

Whitley Office Buildings.  General Specification  

S. Whitley, IN – Dallastown, PA – Arlington, TX – Marysville, WA
• **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 interior partitions to be insulated with 3 ½” fiberglass batt insulation to reduce sound transmission.
  - All partition to be covered with ½” minimum vinyl wrapped drywall with no exposed fasteners.

• **Roof System**
  - Minimum 2x8 rafters 16” on center. Roof to slope a minimum of 1/8” per lineal foot to the module end walls. Please refer to Whitley “Roof Profiles” sheet for further description.
  - Spans over open areas of the floor plan shall be accomplished using either built up plywood or Micro-Lam beam systems. Support posts will be located per the Whitley floor plans.
  - Ceiling to be 24”x48” fissured mina-board installed in a white aluminum grid as supplied by USG or equal.
  - Roof insulation to be R-22 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 and covered in the sale finish as the buildings siding. Please refer to Whitley “Mansard Profiles” sheet. Model number is MA-2

• **Doors and Hardware**
  - Main entry doors shall be bronze frame commercial glass with ADA approved hardware, key cylinder, and closer
  - Secondary egress doors shall be insulated steel with a wood jamb and brick-mold. Hardware shall include an ADA approved-keyed lever lock, closer, and choice of square or narrow style vision lite.
• Interior doors shall be solid core pre-finished woodgrain in a painted wood jamb. Hardware shall include ADA approved passage or privacy sets, and 1 ½ pair mortised hinges. Vision lites in the interior doors may be added as an option.
• All door quantities shall be as per the Whitley floor plans.

• **Windows**
  - Windows shall be a bronze aluminum frame with dual pane glass. Size shall be 24” x 52” and have a vertical sliding sash. Interior jambs shall be painted with matching 2 ¼” 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 min 14-2 copper romex.
  - Receptacles and switches shall be installed per code and floor plans.
  - Interior lighting shall be 24” x 48” troffer type with prismatic lenses. Minimum lighting level shall be 75-foot candles through out all offices and 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.
  - Phone and data rough ins shall be provided in each private office, and workspace. Rough in shall include an empty junction box with a conduit and pull wire extending to above the T-grid ceiling. Final wiring and devices shall be by the owner.

• **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 drop in type with a handicap accessible high-pressure laminate counter. ADA approved fixtures shall be provided as indicated on the Whitley floor plans.
• 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 24”x24” 4-way design compatible with the T-grid 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 Office Buildings show optional coffee bars on each plan. The perfect addition to your busy office building.

*Finishes may vary slightly by manufacturing location*