

DIVISION 08—OPENINGS

FORMAT

1. Technical specifications content and numbering system shall be based on 2004 CSI MasterFormat.

BASIS OF DESIGN

1. BGSU Design standards shall not replace fully developed, project and market specific technical specification. Architect/Engineer (A/E) shall utilize the Standards as a minimum standard to guide the design and execution in the field. Exceptions to these standards are allowed provided they are approved by Design & Construction.
2. In instances where fewer than 3 manufacturers are indicated, the A/E shall insert "or approved equal" in the Products section of the technical specifications.
3. All submitted substitute products shall be brought to the attention of Design & Construction, prior to approval.

COORDINATION

1. Selection of doors and hardware shall be coordinated with BGSU Lock Shop, 419 372-7661.
2. In renovations where new wood doors will be adjacent to existing wood doors, associate shall ensure height, hardware, species, cut and finish match adjacent doors.

RELATED SECTIONS

1. 08700—Hardware
2. Appendix A (ADAAG)

081113—HOLLOW METAL DOORS & FRAMES

1. Metal doors and frames shall not be used for exterior applications.
2. Doors and frames shall be minimum 16-gauge and shop primed.
3. Steel frames shall be one-piece, welded frames. Knock-down frames are generally prohibited. However, in remodeling work, permission may be granted by the project manager to use knock-down frames if the situation merits.
4. Frames in interior walls up to 8" thickness shall be full width of wall.
5. All frames shall be reinforced at hinge, strike and closer locations with 8-gauge reinforcement. Frames with a continuous hinge shall have 16-gauge reinforcement.

081416—FLUSH WOOD DOORS

1. All wood doors shall be hot-pressed 5-ply, solid core, 1 $\frac{3}{4}$ ".
2. Interior doors, except some fire rated doors, shall be flush type, solid core, hardwood, with lifetime guarantee. Guarantee shall include removal, new door finishing, and hanging of doors at no cost to the University.

084113—ALUMINUM-FRAMED ENTRANCES AND STOREFRONTS

1. Exterior doors and frames shall be Special-Lite, Monumental design, wide stile with mid-rail. In most instances of new construction, door dimension shall be 7'-0" x 3'-0". Use pebble grain 1" FRP panels if doors are unglazed.
2. Hardware to be furnished by hardware supplier and factory installed by Special-Lite.
3. Frames shall be 4" x 2", nominal.

084229—AUTOMATIC ENTRANCES

1. Automatic entrance doors shall not be used. See Division 08716.

085113—ALUMINUM WINDOWS

1. ENERGY CONSERVATION: when practical, windows shall be provided with operable vent sections to obviate for the need for conditioned air.
2. The manufacturer shall submit copies of reports of tests made on previously manufactured windows of the same type to be furnished for the project, made or witnessed by an independent testing laboratory and showing conformance to the following performance standards:
 - a. Air infiltration of an assembled sash and frame shall not exceed 0.15 cubic feet per minute, per foot of sash perimeter, when the window is subjected to a static pressure equivalent to a wind velocity of 50 miles per hour.
 - b. There shall be no apparent water leakage to the interior side of the window when tested for fifteen minutes with water spray at a rate of five gallons per square foot per hour under pressure equivalent to a wind velocity of 50 miles per hour.
3. Windows shall preferably be designed for glazing from inside only; for other methods of glazing, confer with the Project Manager.
4. Avoid sliding and double-hung sash; use hoppers and types with compression gaskets.
5. WARRANTY: Provide a written guarantee that all parts of the installation will meet specified performance requirements and will be free from defects in materials and workmanship for a period of two years following acceptance. Weather stripping shall be guaranteed for a period of five years. Guarantee shall certify that all work is in accordance with the Contract Documents and shall contain a statement that, should any defects develop during the guarantee period, caused by improper workmanship or materials, such defects will be repaired or windows will be replaced at no expense to the University.

End of Section