

FLUSH ALUMINUM DOORS

MANUFACTURERS

- A. Flush aluminum doors shall be **Series 4000 Aluminum Plank Doors as manufactured by CMI Architectural Products, Inc., Dowagiac, Michigan**; as the type, size, function and quality of the products required.
- B. Substitutions will not be permitted.

FLUSH ALUMINUM DOORS

- A. Materials and Construction
 - 1. Door sections to be 1 3/4 inch by 4 inch extruded tubular extrusions with .100" thick walls. Hinge and lock stile walls shall be .187" thick. Tubes shall be joined by a minimum of three full-width 3/8-inch steel tie rods per door, bolted through each stile and secured with locking hex nuts.
 - 2. Each tubular door section shall interlock a minimum of 3/8 inch with adjacent member and form a minimum 1/4 inch thick continuous vertical reinforcement the full height of the door.
 - 3. Each intermediate tubular stile shall be filled with isocyanurate insulation with a 3-pound density.
 - 4. Vision kits shall be constructed of extruded aluminum members with a minimum wall thickness of .062 and a minimum height of 1 13/16 inches. The corners shall be mitered and fastened together with stainless steel screws utilizing an internal screw race. The interior portion shall be fastened to the exterior portion with stainless steel screws. No exposed fasteners are allowed on the exterior of the kit. Foam tape shall be applied to each portion of the vision kit before the glazing is installed. Vision kits will accept either 1/4 inch or 1 inch glass or panels.
 - 5. Louvers to be constructed using extruded aluminum blades fastened to the perimeter frame using stainless steel screws. The interior frame portion shall be fastened to the exterior portion with stainless steel screws. No exposed fasteners are allowed on the exterior of the kit.
 - 6. Vision kits and louvers to match door finish.

DOOR AND SIDELITE FRAMING

- A. Door and sidelite framing to be 450 T.B. 2 inch by 4 1/2 inch as manufactured by CMI Architectural Products, Inc., Dowagiac, Michigan as the type, size, function and quality of the products required.
- B. Substitutions will not be permitted.

GLAZING

- A. Glazing by Section 08800

HARDWARE

- A. The following hardware to be provided and installed by CMI Architectural Products, Inc., Dowagiac, Michigan.
 - 1. Continuous Gear Hinges: Pemko DFMSLFHD x door height
 - 2. Exit Device: Adams-Rite 8600 concealed vertical rod at pairs of doors, 8800 rim at single doors.
 - 3. Cylinder: Sargent rim or mortised cylinder as required for the exit device being used.
 - 4. Pull Handle: CE-15 1 inch round offset handle with 8 1/2 inch centers.
 - 5. Threshold: 1/2 inch by 4 inch mill finish extruded aluminum.
 - 6. Sweep: Pemko 307V x door width.
 - 7. Weatherstripping: synthetic wool pile at door frame head and jamb stops.