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**COMPOSITION / CONSTRUCTION OF MATERIALS:**

**Doors** are 1" thick, constructed with two **22-gauge** sheets of stretcher leveled, commercial quality electro-galvanized diamond textured steel that are formed and then laminated under pressure to a sound deadening double-faced honeycomb core. Face plates are welded together at intervals of 18" on center around entire perimeter to insure a rigid one-piece unit. All edges are then interlocked with a continuous roll-formed edge molding. All mitered corners are welded and ground smooth. Corner clips will not be acceptable.

**Panels** are 1" thick, constructed with two **22-gauge** sheets of stretcher leveled, commercial quality electro-galvanized diamond textured steel that are formed and then laminated under pressure to a sound deadening double-faced honeycomb core. Face plates are welded together at intervals of 18" on center around entire perimeter to insure a rigid one-piece unit. All edges are then interlocked with a continuous roll-formed edge molding. All mitered corners are welded and ground smooth. Corner clips will not be acceptable.

**Type F/S –Floor Supported Pilasters** are 1-1/4" thick, constructed with two **18-gauge** sheets of stretcher-leveled, commercial quality electro-galvanized diamond textured steel that are formed and then laminated under pressure to a sound deadening double-faced honeycomb core. Face plates are welded together at intervals of 18" on center around entire perimeter to insure a rigid one-piece unit. Edges are then interlocked with a continuous roll-formed edge molding. All mitered corners are welded and ground smooth. Pilasters shall have a carrying member made up of a 3/8" X 1" solid steel bar, welded into the pilaster with an additional 18 gauge channel. Two 3/8" diameter X 4" long cadmium plated studs with expansion shields anchor pilaster to concrete floor. Locking nuts, washers and leveling nuts allow for field adjustment. A polished 3" high stainless steel shoe of one-piece construction shall be supplied to conceal floor anchoring. Tamper proof shoe assembly held in place by means of concealed floor anchor clips –exposed screws are not acceptable.

**FINISH:** Powder coated finishes are applied over electro-galvanized diamond textured steel containing a zinc coating thickness of .00015". All components shall be cleaned and degreased prior to application of powder for maximum finish adhesion. A hybrid epoxy/polyester powder is then applied by an electrostatic paint system to ensure uniform thickness. Baking at 345 degrees for 22 minutes then cures the finish.

**COLOR:** Shall be selected from AAMCO's standard range of color offerings.

**HARDWARE and FITTINGS:** All material components are fully prepared with suitable internal reinforcement to receive all necessary hardware and fittings. AAMCO supplies factory pre-drilled components for a safer, more efficient and trouble-free installation. All door hinges and strike/keeper will be thru-bolted with sex bolts having theft resistant heads. Appropriate screws supplied for all other hardware and fittings. All fastenings to have a corrosion resistant finish.

***Doors:***

- Upper and lower door brackets are heavy non-ferrous Zamac castings that become integral part of door as they are imbedded within pre-formed abscesses at time of assembly. Powder coated finish shall match selected door color.
- Top hinge bracket (#102) is a heavy, non-ferrous Zamac casting with chrome-plated finish. One-piece design has a 5/8" wrap-around flange that fits over the pilaster edge for maximum durability.
- Stainless steel pin (#101) goes through the door and the top hinge bracket for three-point bearing.
- Bottom hinge bracket (#103) is a heavy, non-ferrous Zamac casting with chrome-plated finish. One-piece design has a 5/8" wrap-around flange that fits over pilaster edge for maximum durability. Door operates on opposing nylon cams that are fully recessed and concealed within the lower door bracket. The gravity activated cam assembly provides easy adjustment of door permitting it to rest at any desired open or fully closed position when not latched.
- Concealed latch assembly with stainless steel pin allows for emergency access. Cover plate and turn knob (#104) are heavy, non-ferrous Zamac castings with chrome plated finish. ADA lever handles are supplied on all handicap doors.
- Door strike and keeper (#105) is a heavy, non-ferrous Zamac casting with chrome-plated finish. One-piece design has a 5/8" wrap-around flange that fits over pilaster edge for maximum durability.
- Combination coat hook and bumper for inswing doors (#106) or double-prong coat hook for outswing door (#107) shall be cast Zamac with chrome plated finish. Door pull (#109) shall be supplied on all outswing doors. ADA doors receive door pull on both interior and exterior faces. Door bumpers (#108) provided where required

***Wall and Pilaster Brackets:***

- Shall be heavy, non-ferrous Zamac castings with chrome-plated finish. The wall anchored pilasters and dividing partition panels shall be attached with two brackets of either double ear or single ear design depending on existing wall condition. Dividing partition panels shall be attached to the "rear" pilaster face with two "U" brackets.

**INSTALLATION:** Shall be in accordance with AAMCO's approved shop drawing and installation instructions with partitions being rigid, plumb, straight and level. Unless stated otherwise, doors and panels are 58" high and mounted 12" above finished floor. Pilasters shall measure 70" from floor to finished top and align flush with tops of doors and panels.

**WARRANTY:** AAMCO provides for all powder coated materials, when properly maintained, a one-year warranty against all defects in workmanship and construction under normal wear and use of this product.