



FLUSH DOOR: ISOMETRIC

ALUMINUM DOOR: ALUMINUM DOOR TO BE NOMINAL 1-3/4" THICK FLUSH DESIGN, SERIES 2001. DOOR STILES AND RAILS SHALL HAVE A STRONG, RIGID ALUMINUM SUB-FRAME WITH INTEGRAL EDGE CAPS. THE SUB-FRAMES SHALL BE CONNECTED BY A 3/8" STEEL TIE ROD TOP AND BOTTOM. NO SNAP-ON OR APPLIED DOOR EDGES AT HINGE OR LOCK STILES.

FACE SHEET: FACE SHEET SHALL BE ALU. 3003-H14/5005-H34 ALLOY WITH A MINIMUM THICKNESS OF 0.090" WITH A MINIMUM YIELD STRENGTH OF 26,450 PSI. FACE SHEETS SHALL BE CONCEALED UNDER A 1/2" EDGE CAP FULL PERIMETER.

INSULATED CORE: ALL VOIDS BETWEEN SUB-FRAMES SHALL BE FILLED WITH A RIGID FOAM BOARD AS MANUFACTURED BY APACHE PRODUCTS CO. CORE SHALL BE LAMINATED BETWEEN TWO SHEETS OF 1/8" TEMPERED HARDBOARD FOR IMPACT REINFORCING.

LAMINATION: SUB-FRAME, FACE SHEET AND INSULATED CORE SHALL BE BONDED TOGETHER WITH A MOISTURE CURE, ONE-PART ADHESIVE AS MANUFACTURED BY MORTON INTERNATIONAL OR EQUAL UNDER PRESSURE TO FORM A WATER, HEAT, AND CHEMICAL RESISTANT BOND.

ALUMINUM SUB-FRAME FULL PERIMETER: 1-3/8" X 4-1/2" SUB-FRAME WITH AN INTEGRAL EDGE CAP AT HINGE AND LOCK EDGE, TOP AND BOTTOM OF DOOR SHALL BE CAPPED TO INSURE PROPER PROTECTION FROM THE ELEMENTS. MINIMUM WALL THICKNESS AT HINGE AND LOCK EDGE SHALL BE 0.125" AND BEVEL 1/8" IN 2". STILE AND RAILS SHALL BE CONNECTED WITH A 3/8" PLATED STEEL TIE ROD TOP AND BOTTOM. OVERALL DOOR TOLERANCE SHALL BE PLUS OR MINUS 1/16". EXTRUSION TOLERANCES SHALL BE AS SET BY THE AMERICAN ALUMINUM MANUFACTURE'S ASSOCIATION.

HARDWARE REINFORCING: HINGE REINFORCING PLATES SHALL BE OF 1/4" X 1" X 7" LONG ALUMINUM PLATE 6063-T6 MOUNTED TO DOOR STILE WITH (4) 12-24 MACHINE SCREWS, LOCK REINFORCING PLATES SHALL BE 1/4" X 1" X 1 1/2" LONG ALUMINUM PLATE 6063-T6 MOUNTED TO DOOR STILE WITH (1) 10-24 MACHINE SCREW.

**MODEL 290E**



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**DOOR SPECS**

DATE:	DRAWN BY: A.P.
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