ALUMINUM THERMALLY CONTROLLED FOLDING DOOR SYSTEM

OVERVIEW

LaCANTINA DOORS ALUMINUM THERMALLY CONTROLLED (TC) SYSTEM DEFINES CONTEMPORARY DESIGN PLUS PERFORMANCE. WITH CLEAN LINES SIMILAR TO OUR STANDARD ALUMINUM SYSTEM THE ALUMINUM TC IS A STRIKING AND DISTINCTIVE NEW SYSTEM WITH 2 1/4" THICK PANELS. THE ALUMINUM TC IS THE RESULT OF AN EXTENSIVE DESIGN PROCESS FOCUSED ON ENERGY EFFICIENCY, STRUCTURAL PERFORMANCE, VERSATILITY AND VALUE. WITH OUR PROPRIETARY CORE AND FASCIA TECHNOLOGY A RANGE OF FINISH OPTIONS FOR BOTH THE EXTERIOR AND INTERIOR ARE POSSIBLE. THE ALUMINUM TC FEATURES A NARROW 2 15/16" STILE AND RAIL PROFILE FOR MORE GLASS AND LIGHT AND THERMAL BREAKS THROUGHOUT PANELS AND THE FRAME SYSTEM FOR IMPROVED ENERGY PERFORMANCE. LARGE OPENINGS UP TO 52' WIDE AND 10'4" TALL; WITH THE ABILITY TO HAVE 8 DOOR PANELS FOLDING IN EACH DIRECTION. THE ALUMINUM TC SYSTEM IS COMPLETE WITH ALL HARDWARE, FEATURING CONCEALED MULTI-POINT LOCKING THROUGHOUT; SUITABLE FOR BOTH RESIDENTIAL AND COMMERCIAL PROJECTS IN ANY CLIMATE.

FRAME & SILL

FRAME SYSTEM DESIGN INCLUDES THERMALLY BROKEN EXTRUDED ALUMINUM CORE AND OUTSIDE AND INSIDE FASCIA SECTIONS. THE FRAME SYSTEM CONSISTS OF A HEAD TRACK, JAMBS AND SILL. JAMB THICKNESS IS 1 1/4" (32MM). FRAME WIDTH IS 5 5/8" (143MM). FRAMES ARE SUPPLIED READY FOR ASSEMBLY AND INSTALLATION. SILL IS ANODIZED EXTRUDED ALUMINUM WITH THERMAL BREAK, INCORPORATING WEATHER-STOP AND WEEP HOLES TO SHED WATER FROM GUIDE CHANNELS. STANDARD FRAME IS OUTSWING. ZERO STEP, ADA, FLUSH SILL AND INSWING OPTIONS ARE AVAILABLE HOWEVER ARE NOT RECOMMENDED FOR APPLICATIONS EXPOSED TO THE WEATHER.

PANEL

DOOR PANELS ARE THERMALLY BROKEN EXTRUDED ALUMINUM CORE AND OUTSIDE AND INSIDE STILE AND RAIL FASCIA. PANEL THICKNESS IS 2 1/4" (57MM). RAIL AND STILE WIDTH IS 2 15/16" (75MM). MAXIMUM PANEL HEIGHT OF 10' (3000MM) FOR MAXIMUM FRAME HEIGHT OF 10'4" WITH STANDARD SILL. MAXIMUM PANEL WIDTH OF 39" (1000MM). PANELS ARE SINGLE LITE AND HORIZONTAL MULLION IS NOT REQUIRED. ADA COMPLIANT HARDWARE OPTIONS ARE AVAILABLE.

INTERIOR & EXTERIOR FINISH

IN STOCK COLOR OPTIONS INCLUDE CLEAR OR BRONZE ANODIZED AND WHITE. CUSTOM COLORS ARE AVAILABLE TO MATCH VIRTUALLY ANY COLOR WITH THE ABILITY TO CHOOSE DIFFERENT COLORS OR FINISHES FOR THE OUTSIDE AND INSIDE OF THE PANELS AND FRAME. SILL IS BRONZE OR CLEAR ANODIZED ALUMINUM. PERIODIC MAINTENANCE WILL BE REQUIRED, SIMILAR TO ANY ALUMINUM PRODUCT EXPOSED TO WEATHER OR SALT.

WEATHER STRIPPING

WEATHER SEAL INSERTED IN FRAME AND SILL TO PROVIDE PERIMETER SEAL, AS WELL AS BETWEEN DOOR PANELS. COLOR IS DARK BRONZE.

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GLASS & GLAZING

TEMPERED AND INSULATED 3/4" (19MM) CLEAR OR LOW-E GLASS. OTHER GLASS OPTIONS INCLUDING LAMINATED, IMPACT AND TINTED ARE AVAILABLE UPON REQUEST.

HARDWARE

THE HARDWARE SYSTEM OPERATES WITH AN UPPER WHEEL CARRIER THAT ROLLS ON THE ALUMINUM HEAD TRACK. A LOWER TRACK IN THE SILL GUIDES THE DOOR PANELS. THE UPPER CARRIER AND LOWER GUIDE ARE ATTACHED TO DOOR PANEL HINGES. JAMB PANELS ARE ATTACHED WITH TOP AND BOTTOM PIVOTS. PANELS ARE CONNECTED WITH HINGES INCLUDING TOP AND BOTTOM HINGES ATTACHED TO TOP CARRIER AND LOWER GUIDE. HANDLES TO ASSIST WITH OPENING AND CLOSING DOORS ARE INCLUDED. CARRIER PINS AT THE TOP PIVOTS, INTERMEDIATE AND END CARRIERS SUPPORT THE FULL DOOR WEIGHT AND IT IS HERE THAT THE PANELS ARE ADJUSTED. A PIN LOCKING SYSTEM IS USED TO LOCK VERTICAL ADJUSTMENT ONCE HEIGHTS ARE SET. PIVOTS AT THE JAMB ALLOW SIMPLE SCREWDRIVER ADJUSTMENT OF THE SYSTEM HORIZONTALLY UP TO 3/8" (10MM). ALL SCREWS ARE FULLY CONCEALED FOR EXTERNAL SECURITY. ARCHITECTURAL GRADE STAINLESS STEEL IS USED FOR HINGE PINS, CARRIER PINS AND CARRIER BOGEYS. MULTI-POINT LOCKS ARE USED TOP AND BOTTOM TO SECURE FOLDING PANELS. LOCKING HARDWARE AT PRIMARY SWING DOOR PANEL IS A DEADBOLT. HANDLE AND LOCKSET IS PROVIDED WITH EACH SYSTEM THAT HAS A DAILY PASSAGE DOOR. ADA COMPLIANT HANDLES ARE AVAILABLE. HARDWARE FINISHES AVAILABLE ARE STAINLESS STEEL AND BRONZE.