

MODEL: 2 FV AND 3 FV (FULL VISION)

I. GENERAL

A. Work Included

The doors will be Model 2 FV and 3 FV as manufactured by Midland Garage Door Mfg. Co.

B. Other Work

Related Structure work, opening preparation, field painting and electrical work etc. falls into the responsibility of other trades.

II. PRODUCT

A. Sections

Material comprised of 6063-T6 aluminum alloy extrusion wall thickness of 0.062 inch. Stiles and rails joined together with 1/4" rods. If required aluminum filler panels 1/8" thickness of 6063-T6 alloy. PVC glazing strips.

2 FV (Full Vision) shall be 2" thick: Top rail 1 3/8", Bottom rail 1 3/8", Wide rail 4 3/8", End stile 3 3/8" and Center stile 2 3/4".

3 FV (Full Vision) shall be 3" thick: Top rail 1 5/8", Bottom rail 1 5/8", Wide rail 4 5/8", End stile 3 9/16", and Center stile 2 3/4".

B. Glazing

1/8" and 1/4" Non-insulated clear glass
1/2" Insulated clear glass.

1/8" and 1/4" Tempered clear glass
1/2" Insulated tempered glass.

1/8", 1/4" and 1/2" Plexiglas

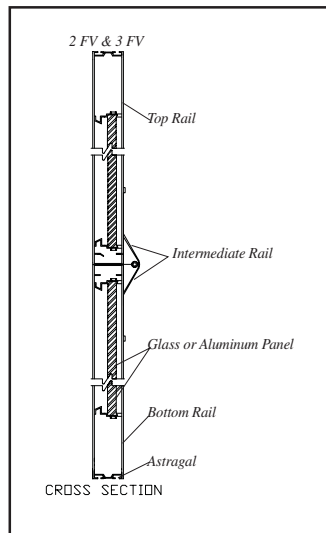
1/8", 1/4" and 1/2" Polycarbonate Coextruded

C. Windload

Doors will be designed to meet or exceed industry standards for windloads (ANSI/DASMA A102-1996), uniform pressure (velocity pressure) of 20 lbf/sq. ft. acting inward and outward. Deflection of door in the horizontal position will not exceed 1/120 of the door width. Consult factory for unusual requirements.

D. Hardware

Hinges and fixtures will be G-60 galvanized steel complying with ASTM A36 and ASTM A123. Full floating ball bearing rollers will have hardened steel races. Roller sizes will be adequate for design requirements and limitations.



G. Track

Track is 2" or 3" depending upon door size and requirements. Angle mounted depending upon door size and requirements.

H. Spring Counterbalance

Counterbalance shall be oil tempered, helical wound torsion springs complying with ASTM A229, mounted on a ball bearing cross header shaft engineered to comply with ANSI/DASMA 102-1996. Long life springs of 25,000, 50,000 or 100,000 cycles may be specified. Galvanized aircraft type lifting cables with minimum safety factor of 8 to 1 and cast aluminum drums are standard.

I. Lock

Lock will be interior mounted side lock. (Optional commercial keyed lock is available.)

J. Weatherstrip

Bottom weatherstrip will be U'd shape astragal fastened to the bottom of the door with an extruded aluminum holder for an effective seal at the sill.

K. Finish

Mill aluminum or standard "white" powder-coat, consult factory for other colors.

L. Operation

Operation will be by manual pull rope. Optional chain hoist and electric operators are available.

III. EXECUTION

Installation

Doors should be installed in compliance with Midland Garage Door Mfg. Co. instructions by authorized Midland Garage Door Installation Professionals.

