

Commercial Flush Doors Model: CS20 Flush

I. GENERAL

A. Work Included

The doors will be Model CS20 sectional overhead type 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

Sections will be 20 ga. roll-formed, hot dipped, galvanized G60 (minimum) a yield strength of 33,000 psi, complying with ASTM A 653 and ASTM A 924, and will have a nominal thickness of 2". Exterior surface embossed pebble textured 20 ga. and smooth no texture 20 ga. Doors will have tongue and groove meeting rails to form weathertight joints. Two back covers available. **Optional glass lites or full vision sections available.**

B. Insulation (Optional)*

Insulation will be composed of polystyrene providing insulation factors of 7.0 R-Value or urethane with R-Value of 11.69, complying with ASTM C 236.

*Consult factory for insulation options

C. Windload

Doors will be designed to meet or exceed industry standards for windloads (ANSI/DASMA 102-1996), 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. End Stiles

Center and end stiles will be 16 ga. (13 ga. optional) steel. Riveted and welded to the sections. End stiles will be channel-shaped to 2" deep.

E. Hardware

Hinges and fixtures will be G60 galvanized steel complying with ASTM A 36 and ASTM A 123. 2" 11-ball nylon rollers or 3" steel rollers depending on application. Roller sizes will be adequate for design requirements and limitations.

F. Track

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



**Commercial Flush Doors
(Un-insulated or Insulated)**

G. Spring Counterbalance

Counterbalance shall be oil tempered, helical wound torsion springs mounted on a ball bearing cross header shaft engineered to comply with ANDI/DASMA 102-1996. Longer 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.

H. Lock

Lock will be interior mounted slide lock. (Optional keyed lock available.)

I. Weatherstrip

Bottom weatherstrip will be flexible U'd astragal secured with an extruded aluminum retainer which also provides additional reinforcement. Optional jamb weatherstrip packages available.

J. Finish

Exterior finish will be 1-mil thick, two coat baked on polyester (.8 mil) top coat, over primer (.2 mil) on galvanized coating. White exterior. Optional powder-coat finish.

K. 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.

