

GENERAL DOORS
Corporation



Weather Breaker™ Model 175

**A Commercial Door that Delivers
the Ultimate in Energy Efficiency**

Quality Door Solutions
Since 1947

Weather Breaker™ Model 175

Whether you are keeping the cold out or in, nothing makes better sense for your manufacturing facility or warehouse than the energy-efficient performance of the Weather Breaker 175 by General Doors Corporation. The Weather Breaker 175 Doors are built stronger with Neufoam™ Polyurethane Technology, a continuous process that produces cavity-free sections, a high strength-to-weight ratio and exceptional structural integrity. The Weather Breaker 175 not only provides a high R-value and airtight seals, it is engineered for quiet, smooth operation and built tough for years of trouble-free service.

INSULATION VALUES

(Section test)
R-value is 16.4
U-value is .062

SECTION GUIDE

Door height	Sections
Up to 8' 1"	4
8' 9" to 10' 1"	5
10' 6" to 12' 1"	6
12' 3" to 14' 1"	7
14' 3" to 16' 1"	8
16' 3" to 18' 1"	9

Features

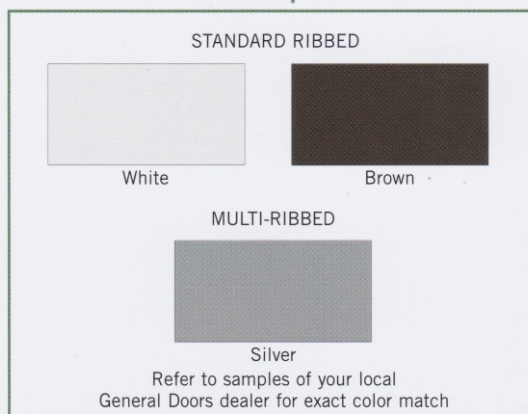
- Insulation value of R=16.4
- CFC 11 free polyurethane foam core
- Full 1-3/4" thick
- 25 gauge embossed exterior skin
- Thermal break between exterior and interior skins
- Continuous reinforcing strip for hardware attachment
- High strength-to-weight ratio

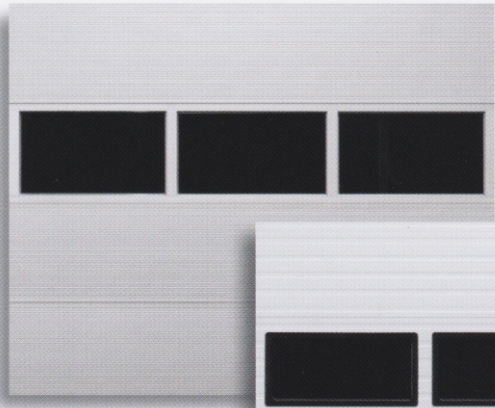
Options

- Insulated glass lites in three sizes
- Full view aluminum frame sections in white, brown, or anodized finish, with glazing options that include DSB, insulated glass, or tempered glass
- Exterior operated cylinder lock
- Exhaust ports
- Reinforcing for Draw bar operator
- Black PVC recessed step plate/lift handle
- Thermal break/friction strip for end caps (with "angle-in" track only)
- Top seal
- Extra long life torsion springs (25M, 50M, 100M cycle)
- Pass door – 3-1/2 sections high
- Wind load package available



Colors Options





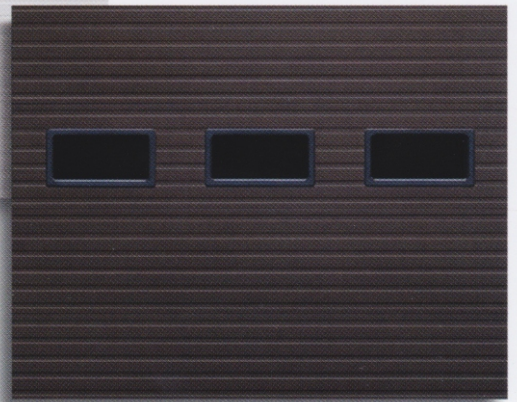
WB-175 MR SILVER
FULL VIEW SECTION



WB-175
24" x 8" LITES



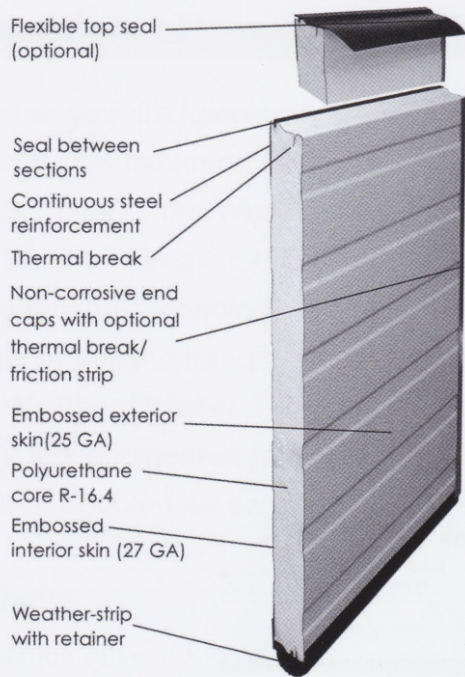
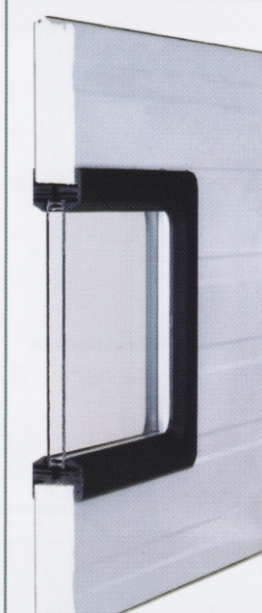
WB-175
34" x 16" LITES



WB-175 BROWN
24" x 12" LITES

WB-175 MR shown in exclusive silver multi-ribbed exterior



LITE GUIDE

Door Width	No. of windows*
Up to 9' 2"	2
9' 3" to 12' 2"	3
12' 3" to 16' 2"	4
16' 3" to 20' 2"	5
20' 3" to 24' 2"	6

* May vary using 34" x 16" lites in some special widths. Check with factory.

INSULATED GLASS LITES
Available in three sizes:

- 24" x 8"
- 24" x 12"
- 34" x 16"

All with slightly rounded corners.

Specifications

GENERAL

- Doors shall be Weather Breaker Model 175 insulated steel sectional overhead type as produced by General Doors Corp., Bristol, PA.

SECTIONS

- Door sections shall be of steel/polyurethane/steel sandwich type construction, 1-3/4" thick, manufactured in a continuous process using CFC free foam yielding a calculated R-value of 16.4. Section design includes a thermal break to limit conductivity of heat and cold, two EPDM bulb seals between sections, and a U-shaped flexible weather-strip with continuous retainer across bottom of door. Sections will be furnished with reinforcing struts as required to meet minimum 15 psf wind load (wind speed of 90 MPH). Higher wind load ratings are available where required to prevent air passage.
- Exterior:
The skin shall be hot-dipped

galvanized commercial quality steel no less than .019" thick (25 GA) embossed with a stucco texture and reinforced by roll formed horizontal ribs.

- Factory Finish:
The finish is a two coat baked-on polyester paint system; specify white, brown, or silver exterior.
- Interior:
The skin shall be hot-dipped galvanized steel pre-painted white no less than .015" thick (27 GA) reinforced with roll formed horizontal ribs. Silver color doors have white interior skin. Inside skin of each section shall have continuous internal reinforcement for hardware attachment.
- End Caps:
To be 16 GA galvanized steel.

TRACK

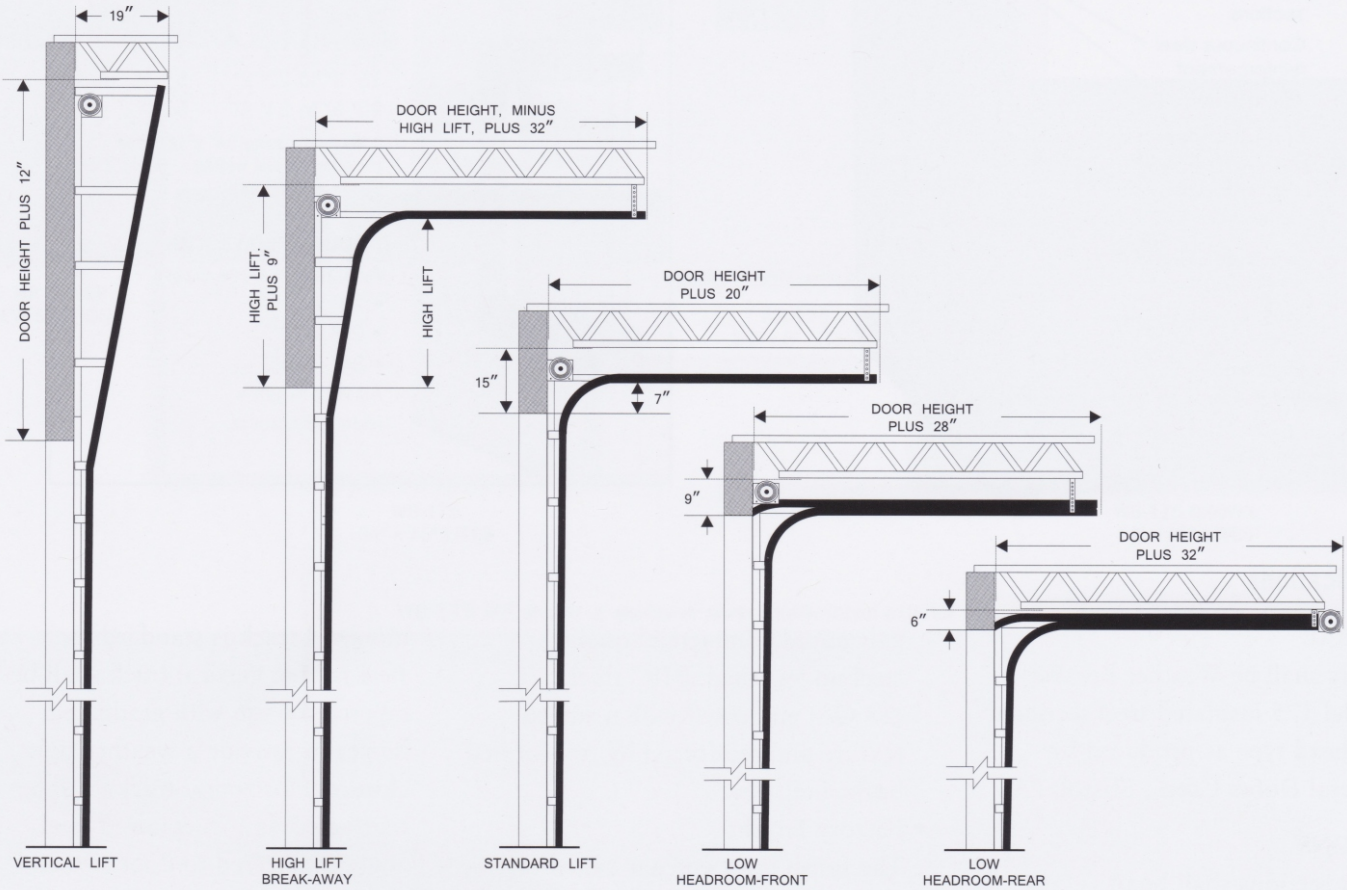
- Galvanized steel track shall be 2" or 3" as required. Clip-style angle mounted track is standard for wood jambs, reverse clip-style angle

mounted track is standard for steel jambs. Vertical track shall be tapered for use with graduated hinges to provide a weather tight closure. Horizontal track shall be reinforced with galvanized steel angle engineered to door size and weight. All reinforcing angle and mounting brackets to be welded to track, except where adjustment is required.

HARDWARE

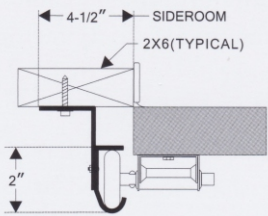
- All hinges and brackets to be minimum 14 GA galvanized steel. All rollers to have 10-ball bearings with case hardened races. Galvanized aircraft type lift cable to have minimum 5:1 safety factor. Counterbalance assembly shall consist of oil tempered torsion springs mounted on a continuous cross header shaft supported by roller bearings, designed for each door to provide a minimum of 10,000 operating cycles.

TRACK SELECTION

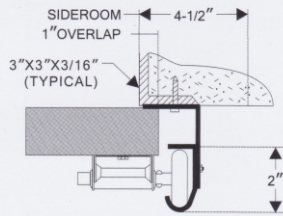


TYPE OF LIFT	HEADROOM	SIDEROOM	ROOM DEPTH - MANUAL	ROOM DEPTH - MOTOR OPERATED
STANDARD	15"	4-1/2"	DOOR HEIGHT PLUS 20"	DOOR HEIGHT PLUS 48"
HIGH LIFT	HIGH LIFT PLUS 9"	4-1/2"	DOOR HEIGHT LESS HIGH LIFT PLUS 32"	ONLY SIDE MOUNTED CAN BE USED - 24" ONE SIDE
VERTICAL LIFT	DOOR HEIGHT PLUS 12"	4-1/2"	19" INTO ROOM	ONLY SIDE MOUNTED CAN BE USED - 24" ONE SIDE
LOW HEADROOM FRONT(REAR)	9"(6")	6"	DOOR HEIGHT PLUS 28"(32")	DOOR HEIGHT PLUS 60"

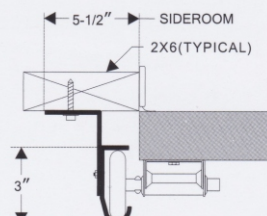
*NOTE: CLEARANCES LISTED ABOVE ARE MOST COMMON, LARGER APPLICATIONS MAY REQUIRE ADDITIONAL CLEARANCE. CHECK WITH FACTORY.



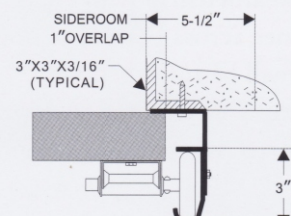
2" TRACK, WOOD JAMBS



2" TRACK, STEEL JAMBS



3" TRACK, WOOD JAMBS



3" TRACK, STEEL JAMBS

* NOTE: Accurate track selection is very important. Consult distributor or factory if required minimum space is not available

Manufacturing Process

Polyurethane has gained widespread acceptance as an efficient insulator with exceptional strength-to-weight characteristics.

While placing foam between metal skins may produce an “insulated” door, it does not produce a door that takes full advantage of the unique strength

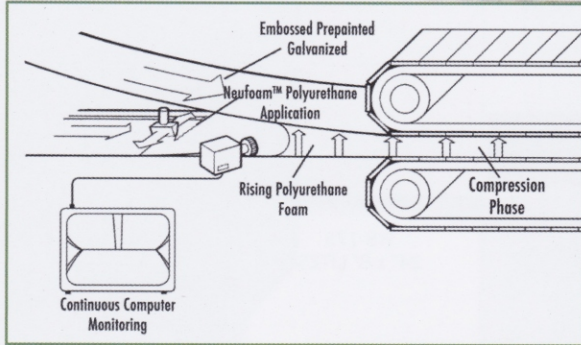
qualities of polyurethane. The exclusive state-of-the-art “Neufoam System™” used in these doors, produces the finest quality panels in the industry. Only a carefully monitored, continuous foamed-in-place manufacturing process can insure permanent lamination between foam and metal skins. Only this process can produce a consistently high quality homogeneous panel, free of voids and bubbles which can, over a period of time, dramatically reduce the strength and insulation of the panel.

General Doors incorporates the latest in polyurethane technology which offers the highest 'R'-value, per inch, of all competitive insulations, while providing superior adhesion and structural integrity.

Meets or exceeds standards of ANSI/DASMA 102-2011, Specifications for Sectional Doors.

Green Building Benefits

- Optimize energy performance from insulation value
- Recycled content and recyclable material
- Product longevity
- Regional manufacturing (less transportation)



Standard passage door in center

Warranty

1-year warranty on materials and workmanship. 10-year warranty against delamination of panels. See dealer for complete warranty details.



Meets or exceeds standards of ANSI/DASMA 102-2011, Specifications for Sectional Doors.

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GENERAL DOORS
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