



- Since 1946 -

NORTHWEST DOOR®

800 SERIES

INDUSTRIAL ALUMINUM DOORS



NORTHWEST DOOR MEETS YOUR SPECIFIC NEEDS.

SUGGESTED SPECIFICATIONS FOR ALUMINUM SECTIONAL OVERHEAD DOORS

NOTE TO SPECIFIERS:

Words in parenthesis indicate frequently specified and highly recommended options.

PART 1 GENERAL

1.01 WORK INCLUDED—The sectional doors will be model #800, manufactured by Northwest Door, Inc. Doors are designed to meet ANSI A216.1-1977 & ANSI/NAGDM 102-1988, as applies.

1.02 RELATED WORK—Opening preparation, miscellaneous or structural metal work, access panels, finish or field painting, field electrical wiring, wire, conduit, fuses, and disconnect switches are in the scope of work of other divisions or trades.

PART 2 PRODUCT

2.01 DOOR SECTIONS—Will be 2" thick, nominal face dimensions shall be: top rail 5 1/2", bottom rail 5 1/2", meeting rails combined 3 1/2", end stile 5 1/2", center stile 2 1/2". Top rails, bottom rails, end stiles and center stiles shall be box type construction for additional strength. The stile and rail material will be 6063T5 extruded aluminum alloy. Stiles and rails will be joined together with self tapping screws. Panels and glass to be completely enclosed by rigid vinyl molding sealed by closed cell foam tape on exterior side of glass. The glazing system shall be capable of accepting any thickness glass to 1/2" without modification or the use of exterior fasteners. Glass type shall be as required by the architect. Panels, when required, will be .040 stucco embossed or .050 smooth aluminum. Bottom seal shall consist of a "U" shaped cold weather vinyl astragal that inserts directly into the bottom rail extrusion.

2.02 FINISH—Standard finish will be mill finish (with clear or color anodizing as available options).

2.03 TRACK—All track, vertical mounting angles and brackets will be ASTM A-526 commercial quality steel. Minimum track thickness to be 16 GA for 2", 12 GA for 3", G-60 hot-dipped galvanized. Track is 2" standard (3" track recommended on high cycle, or doors over 20 ft. wide or 16 ft. high). Vertical track to be graduated providing an adjustable wedge type closing action seal with bracket or continuous angle mounting for wood jambs and continuous reverse angle mounting for steel or concrete jambs. Horizontal track will be reinforced with angle of adequate length and gauge to help prevent deflection. Additional field bracing shall be provided by the installer to prevent deflection and establish a rigid installation.

2.04 HARDWARE—All hardware with the exception of rollers will be made from ASTM A-526 commercial quality steel, coated with hot-dipped galvanizing. Each bottom corner bracket shall be designed to support a dead load equal to three-quarters of the balanced weight. Hinges will be heavy duty, fully gusseted, commercial type. Rollers will have (10) 1/4" ball bearings with hardened inner races. Top fixtures will be fully adjustable for aligning top section with jamb and head. Doors over 16'-3" wide—or 500 lbs. balance weight—will be furnished with double end hinges and long stem rollers. Galvanized steel struts will be provided as required to meet wind load standards established under ANSI/NAGDM specification 102-1988.

2.05 COUNTERBALANCE—Springs will be torsion type, low stress, helical wound, oil-tempered spring wire—ASTM-229—to provide minimum 10,000 cycles of use—or meet specified cycles—on continuous steel shaft; solid CRS or tubular steel. Spring fittings and drums will be made of die cast, high strength aluminum. Preformed galvanized steel aircraft cable shall provide a minimum safety factor of 5:1. (Long life springs of 25,000, 50,000 or 100,000 cycles may be specified and are recommended for high usage applications.)

2.06 WEATHERSTRIPPING—May be specified to greatly reduce air leakage. Complete weatherstripping as follows: (door will be provided with continuous perimeter seal at jambs, head, sill. Perimeter seal at jambs and head will be flexible cold weather vinyl designed to continuously contact door exterior in the closed position. Seal at sill will be compressible vinyl designed for continuous contact when door is closed. All weatherstripping materials will retain sealing properties in sub-freezing and high heat.)

2.07 LOCKS—Designed to engage the vertical track utilizing an end stile mounted interior slide bolt. (Standard rim cylinder and lock bar available.) Masterkeyed cylinders, if required, to be supplied by others.

2.08 WINDLOAD—Doors will meet or exceed standards established by ANSI/NAGDM 102-1988 in accordance with ASTM E-330-70.

2.09 OPTIONS—

GLASS Sections may generally be glazed with any glass to 1/2" overall thickness, or expanded aluminum for ventilation.

PANELS Aluminum panels are available in .040 stucco embossed, or .050 smooth. Panels are furnished as mill finish. (Optional finishes include clear or color anodizing.)

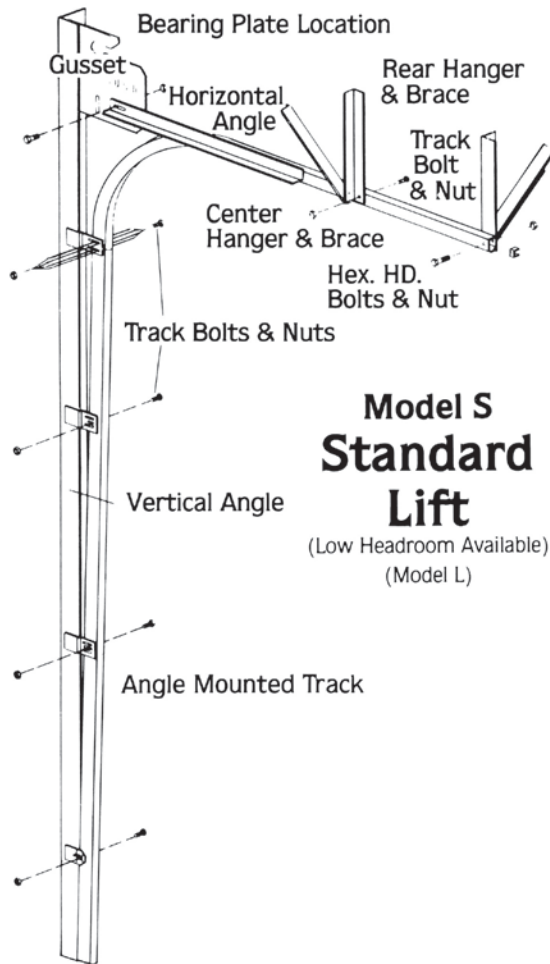
CHAIN HOISTS may be furnished as direct drive through 14 x 14 or reduced drive (3:1) for doors through 20 x 14.

MOTOR OPERATORS are available for all door models and sizes with standard or special controls designed specifically for each application. (Recommended on high usage applications or doors greater than 20x14.)

PART 3 EXECUTION

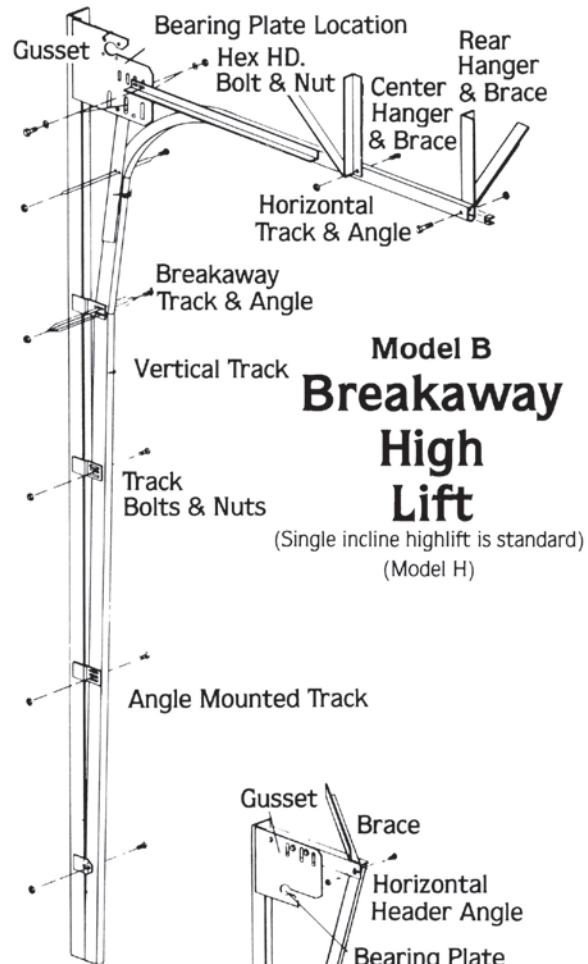
3.01 INSTALL—Doors shall be installed in accordance with Northwest Doors instructions, standards and according to the approved shop drawings. Installation will be by an authorized Northwest Door dealer.

TRACK SYSTEMS



Model S Standard Lift

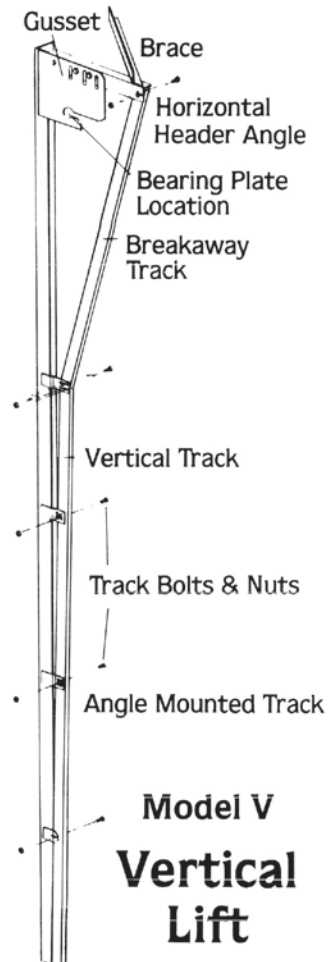
(Low Headroom Available)
(Model L)



Model B Breakaway High Lift

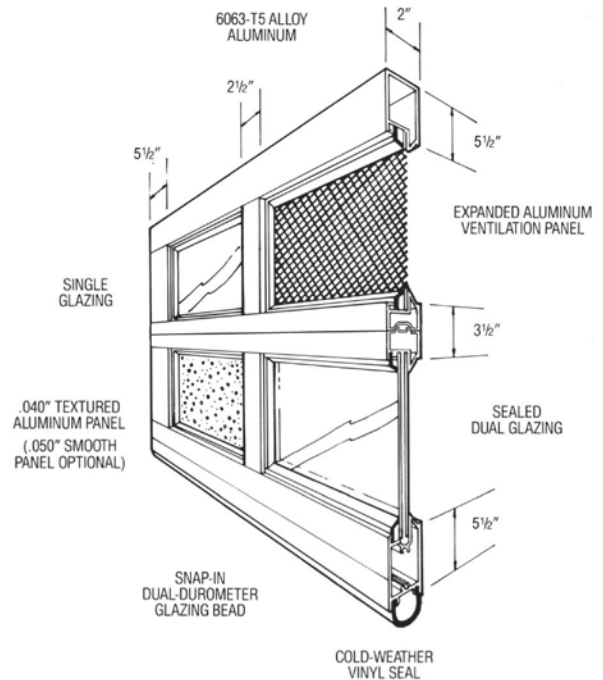
(Single incline highlift is standard)
(Model H)

Clearance Requirements	Headroom required above opening height		Sideroom for each track	Backroom required
	2" track	3" track		
Standard Lift Model S	16"	18"	5-1/2"	Door height plus 18"
Low Headroom Model L	6-1/2"	9"	5-1/2"	Door height plus 24"
High Lift Standard single incline Model H	Highlift plus 12"		5-1/2"	Door height plus 18" minus high lift
High Lift Optional Breakaway Model B	Highlift plus 9"		5-1/2"	Door height plus 24" minus high lift
Vertical Lift Model V	Door height plus 12"		5-1/2"	18"



Model V Vertical Lift

Door Width	Glass Openings	Door Height	Standard Sections
Thru - 9'2"	2	7'0" - 8'3"	4
9'3" - 12'2"	3	8'9" - 10'3"	5
12'3" - 16'2"	4	10'6" - 12'2"	6
16'3" - 20'2"	5	12'3" - 14'2"	7
20'3" - 24'2"	6	14'3" - 16'2"	8
24'3" - 28'2"	7	16'3" - 18'2"	9



MODEL 800

WARRANTY

Northwest Door warrants its products to be free of defects in materials for a period of one year after date of shipment from its plant. This warranty is limited to furnishing any part or parts due to product failure during the first year. Northwest Door has sole right to determine whether failure of product is due to product or abuse of product. Warranty does not apply to any product that, in the judgment of Northwest Door, was subjected to misuse or neglect or has been altered during installation in any way that may have impaired its safety, operation or efficiency, nor to any product that has been subjected to an accident. **WARNING:** Any adjustment on your door should be made by an experienced door installer such as your Northwest Door dealer. Serious injury can result from improper adjustments to door hardware. Northwest Door reserves the right to make product changes without prior notice.

LiftMaster® Northwest Door recommends LiftMaster®
Professional Line Garage Door Openers on all Northwest Door® garage doors.



NORTHWEST DOOR®

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Dealer Name:

