

September, 2004



Look for us in Sweets!

ARCHITECTURAL DETAIL MANUAL

Martin Finger Shield™ Garage Door System

Safer for Children and Adults

Most old Martin steel sectional doors can be upgraded with the new safety features.

Architectural Detail Manual is also available on CD and includes drawings and full Specifications.

2004 SPECIFICATION CATALOG

SPECS and DRAWINGS

**ISO 9001
Quality
Standard**



MARTIN DOOR MANUFACTURING

MAILING ADDRESS:

P.O. Box 27437

Salt Lake City, UT 84127-0437 U.S.A.

Web Site: www.martindoor.com

SHIPPING ADDRESS:

2828 South 900 West

Salt Lake City, UT 84119 U.S.A.

MARTIN DOORS ARE PROTECTED BY U.S. PATENT NUMBERS:
4,284,119; 4,347,653; Re. 31,461; 4,492,067; 4,588,175; 4,817,927;
4,934,439; 5,027,494; 5,588,475; 5,630,459 AND OTHER PATENTS PENDING
AD-01SC-04 COPYRIGHT © 2004 ALL RIGHTS RESERVED

ARCHITECTURAL SPECIFICATIONS FOR THE MARTIN FINGER SHIELD™ SECTIONAL GARAGE DOOR SYSTEM

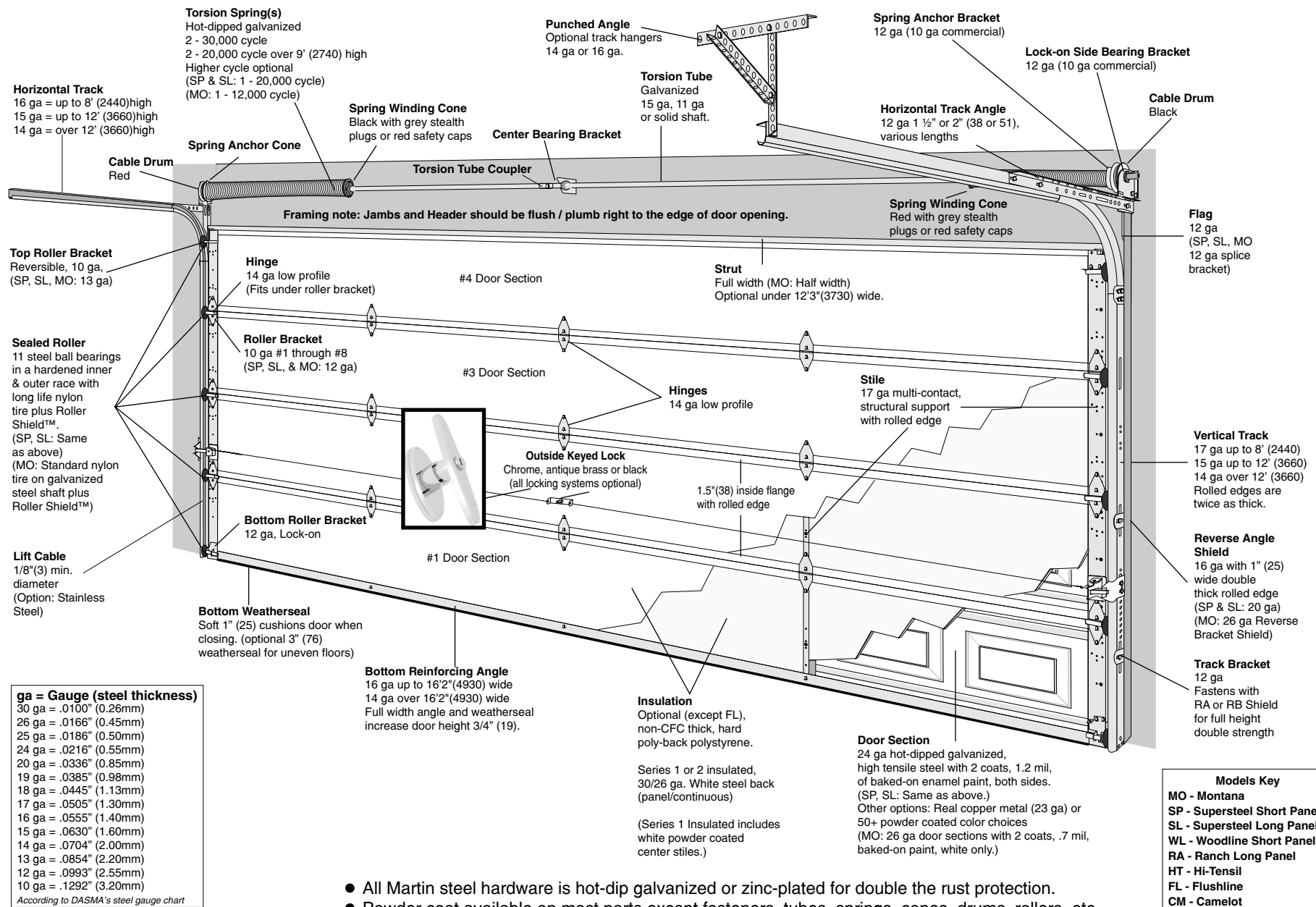


TABLE OF CONTENTS

Pg #	Page Description	Pg #	Page Description
4	3 Part Architectural Specifications	36-37	(SH) Sherwood Window Examples
5	(RA, SL) Dimensions & Measurements	38-39	(SS) Sherwood Short Window Examples
6	(WL, SP) Dimensions & Measurements	40-41	(VC) Victoria Window Examples
7	(HT, FL) Security Windows.	42-43	(LN) Lancaster Window Examples
8	(CM) Camelot Available Sizes	44-45	(RX) Roxbury Window Examples
9	Height Examples	46-47	(CN) Canterbury Window Examples
10	(WL) Short Raised Panel Examples	48-50	Vista Window Examples
11	(RA) Long Raised Panel Examples	51	Steel Carriage House Door Examples
12-15	(DF, DR) Designer Full View Window Examples	52	Martin Door Opener
16-19	(VI, VR) Virginian Window Examples	53	Jamb Mounting Examples
20-21	(SR) Sunrise Window Examples	54	Drawing for standard 12" Track System
22-23	(CA) Cathedral Window Examples	55	Drawing for Vertical Lift Track System
24-25	(HO) Horizon Window Examples	56	Drawing for High Clearance/ Hi-Lift
26-29	(ME, MR) Mediterranean Window Examples	57	Drawing for Low Clearance
30-31	(DA4)Dawn 4, (DA6)Dawn 6 Window Examples	58-62	Commercial HT & WL Examples
32-33	(DA3) Dawn3 Window Examples	63	Other Drawings
34-35	(SU) Sunset Window Examples		

3 PART ARCHITECTURAL SPECIFICATIONS FOR THE MARTIN FINGER SHIELD™ SECTIONAL GARAGE DOOR SYSTEM Models WL, RA, HT, CM, SP, SL (for Specification on Montana(MO) see Montana brochure)

PART 1 GENERAL

1.01 Work Includes: Upward-acting sectional garage doors. Tracks configured for a standard clearance [Low Clearance] [High Clearance/Hi-Lift]] [Roofline] [Vertical-Lift] Lift type, [Martin Residential Operators].

1.02 Warranty: Residential doors are *Lifetime including torsion springs (SP & SL:15 year spring). Commercial and Rental Properties: 6 Year Ltd. on the door and hardware excluding the torsion springs. *Refer to Martin Written warranty for limitations and other details.

PART 2 PRODUCTS

2.01 Manufacturer: Provide Martin Finger Shield™ [Woodline™] [Ranch™] [Flushline™] [Camelot™] [Hi-Tensil™] [Supersteel™ Long] [Supersteel™ Short] model doors as manufactured by Martin Door Mfg. Of Salt Lake City, Utah U.S.A.

2.02 Door Section General: Door Section shall be 2" (51) thick and 2" (51) wider than finished door opening. Steel shall be High Tensile 0.021-inch (0.533) thick equivalent to mild 0.026-inch (0.66) thick steel for dent resistance [Copper Metal]. [Powder Coat] Wind load design: All doors shall meet or exceed static pressure and design loads of ANSI/DASMA - 1021996.

2.03 Tracks: Standard G90 hot dipped galvanized steel reverse angle shield and 2" (51) [3" (76)] vertical track assembly [White Powder Coat]. The 2" (51) track includes rolled safety edges. Normal clearance shall be 14" (356) [18" (457) for 3" (76) track] above the door for commercial sizes and 12" (305) for residential. [Electric motor operators require 3" (76) additional clearance].

2.04 Door Opening Preparation: Recommended jamb and header preparation is similar to a steel rolling door. Martin Reverse Angle Shields can be directly mounted to most flush surfaces. The track assembly requires a minimum of 3.5" (89) clearance beyond the width of the door on each side. Jambs and header should be flush and jambs should be flush all the way to the floor, including concrete footings.

2.05 Safety Features: All Martin Doors up to 9' (2740) high include exterior Finger Shields™ [above 9' (2740) Finger Shields™ are optional.] All interior hinges are "Low Profile" which also reduce the risk of finger entrapment in the door section joint. Reverse Angle Shields with rolled edge shall reduce the risk of arm, hand, and finger severing, breaking, or entrapment.

Roller Shields™ hide and help to push away fingers. All vertical tracks shall have a rolled leading edge with no holes larger than 0.30" (8) wide. All lift cables shall be a inside design, even on low clearance. Torsion spring(s) shall be side-mounted above the door with lock-on side mounted torsion spring assemblies, which help prevent tampering. (Extra heavy doors may have a four spring assembly.) Spring winding cone set screws to be covered by tamper resistant grey stealth plugs or red safety caps. Bottom roller brackets shall lock-on while under spring tension.

2.06 Weatherseal: A 1" (25) [3" (76)] weather seal shall be factory installed to the bottom door section, held in place by a full door width reinforcing steel galvanized angle. Other perimeter seal not recommended for garages with autos emitting noxious fumes.

2.07 Metal Door Section Assembly: Exterior surface; [Ribbed, Hi-Tensil™][Pressed short, raised Woodline™ panels] [Pressed long, raised Ranch™ panels][One Rib, Flushline™] [Camelot™ Mixed short and long panels][Pressed long panel] [Pressed long panel SL Supersteel™] [Pressed short panel SP Supersteel™]. Stiles [double end stiles] shall be made from 0.051-inch (1.30) hot dipped G90 galvanized steel and have rolled edges. Door sections shall be structural-quality metal (steel to be hot dip G60 galvanized), commercial quality, with a minimum yield strength of 33,000 psi (225 Mpa). All door sections shall be dent repairable, replaceable, and recyclable.

2.08 Finish and Color: Two coats baked-on enamel, inside and outside, one to serve as primer and the other to serve as finish, factory-applied baked-on high flexible polyester [White mist] [Light Almond][Dark Brown][Adobe Stone][Desert Taupe] paint. [Copper metal, and Powder Coat colors]

2.09 Aluminum commercial sections constructed with extruded-aluminum shapes, manufactured from heavy etch commercial, clear anodized aluminum, per ASTM B-221-95A, 6063-T6 Alloy, with wall thickness not less than 0.065-inch (1.6) for door section 2" (51) deep. All aluminum shall be Martin Door's standard clear anodized finish. Full glazing requiring aluminum frame: [1/8" (3) Dbl. Strength Glass] [1/8" (3) Acrylic].

2.10 Hardware: All hardware shall be heavy-duty, corrosion-resistant, hot-dipped galvanized / zinc-plated steel. All fasteners shall be hardened. Exposed edges of steel parts shall be rolled, rounded, or de-burred for safety. Hinges to be low profile, heavy duty galvanized steel, of not less than 0.07-inch (2) thickness and roller brackets to be 0.13-inch(3) thick (combined thickness = 0.20-inch (5) thick)(SP & SL roller brackets of not less than 0.10-inch(2.5) steel). Rollers shall be heavy-duty galvanized steel, with 11 steel ball bearings in sealed case-hardened steel races packed in hi/low temperature grease, with nylon tires for quietness.

Bottom rollers to be long stem. Roller Shields™ shall be fastened to the first five rollers on each side. 2" (51) tracks shall have rolled safety edge, with no unshielded holes larger than 0.30" (8) diameter. This system reduces the risk of finger severing, breaking, or entrapment. Lift cables shall be inside mounted only and a minimum 1/8" (3) diameter aircraft quality [stainless steel].

2.11 Torsion Spring: 30,000 cycles up to 9' (2740) high - WL, RA, FL, CM, HT (SP, SL, CH, Commercial Over 9' (2740) high: 20,000)

2.12 Glazing: [Designer Full View] [Ranch Designer Full View] [Virginian] [Ranch Virginian] [Sunrise] [Cathedral] [Horizon] [Ranch Mediterranean] [Mediterranean] [Dawn] [Dawn 3][Sunset] [Sherwood] [Sherwood Short] [Narrow Security (For Hi-Tensil™ only)] Windows. All designer windows shall be made from double fused, high-impact polymer (color coordinated to door), with safer 1/8" (3) clear, transparent acrylic window panes also available in optional smoked or obscure. Window panes and the designer frame shall be mounted to the steel sectional door with an integral bolt and nut system for easy cleaning.

2.13 Insulation: [Insulate interior of metal sections with Martin Door's standard, hard poly-backed rigid cellular, with maximum flame-spread and smoke-developed indices of 75 and 450, respectively, according to ASTM E 84. U value shall be 0.125 and R value is 8 tested at low temp., passing smoke and flame spread tests, UBC-26-8. Secure insulation to door section with insulation exposed to interior view. Insulation shall give support, but shall not act as the structure for support of the door section. Insulation shall be removable, if necessary for dent repairs. All components including insulation may be separated for future disposal and recycling. Series II 26 ga. continuous white steel back or Series I 30 ga. non-continuous white steel back cover (incl. white PC center stiles) over polystyrene]

2.14 Other: [Vista beveled/leaded-look acrylic panes], specified wind ratings, higher cycle springs, Martin's ultra-quiet "DC" Electric Door Openers with stainless steel chain or belt rails up to 12' (3660) high (Models: DC3700e or DC2500e), hoists, powder coating(PC), Antique Hinges and Handles, etc.]

PART 3 - EXECUTION

3.01 Installation: Install door according to Martin Door Mfg. written instructions and standards. Installation shall be performed by an authorized Martin distributor/dealer.

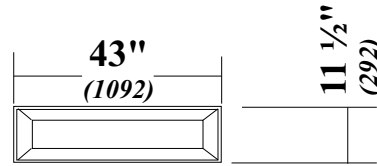
Note: [] = OPTIONS, () = MILLIMETERS

(RA and SL) Long Raised Panel door dimensions

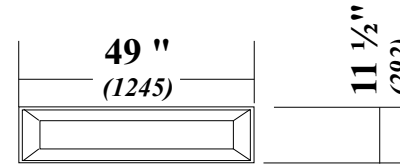
Montana(MO) is only available with 18"(457), 21"(533) sections to 8'(2440) high doors.

Panel Dimensions by door width

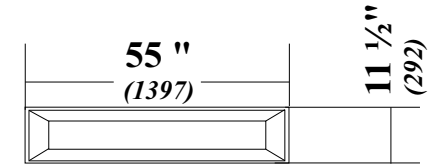
21" high sections (533)



(used for door widths
8'2"(2490), 12'2"(3710),
16'2"(4930) & 17'2"(5230))

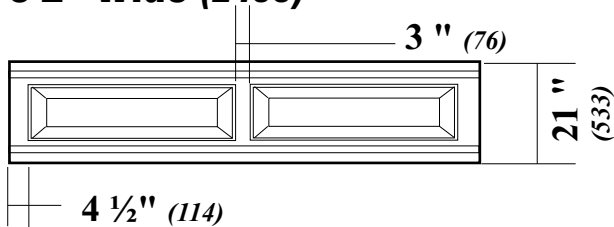


(used for door widths
9'2"(2790), 14'2"(4320)
& 18'2"(5540))

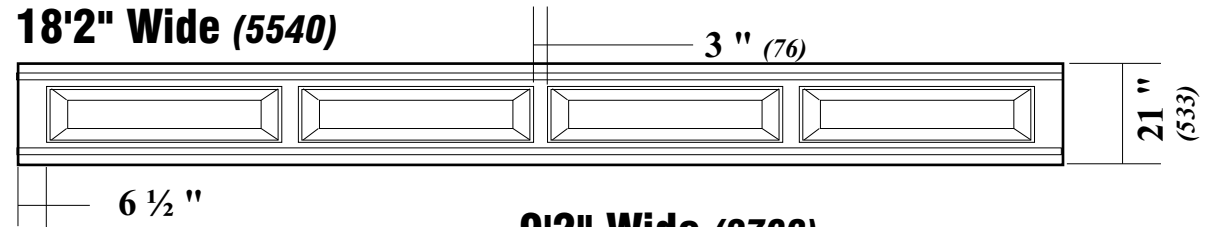


(used for door widths
10'2"(3100), 15'2"(4620)
& 20'2"(6150))

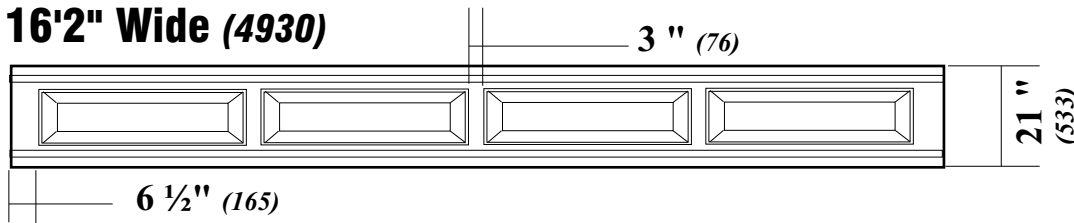
8'2" Wide (2490)



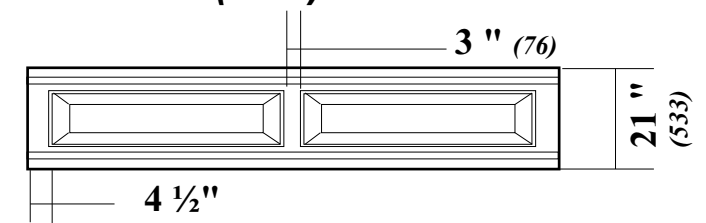
18'2" Wide (5540)



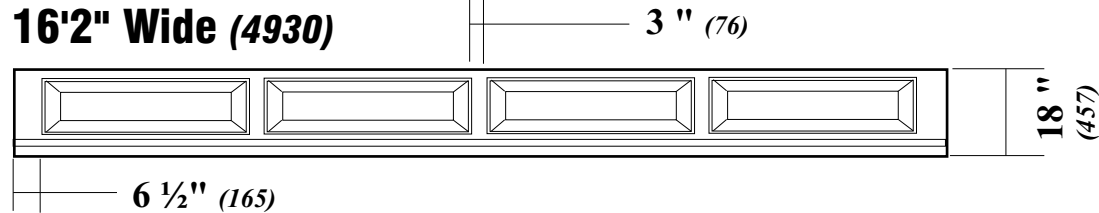
16'2" Wide (4930)



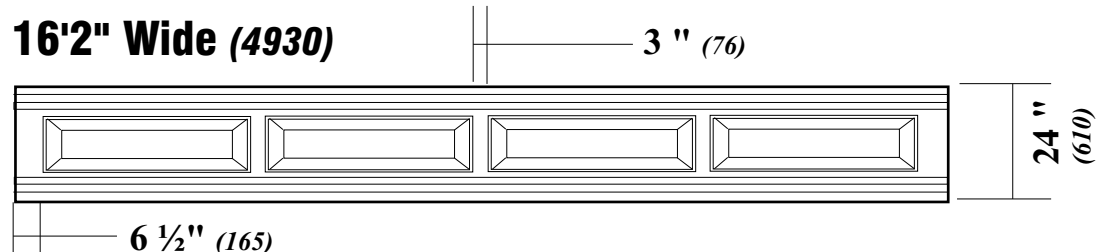
9'2" Wide (2790)



18" high sections (457)



24" high sections (610)



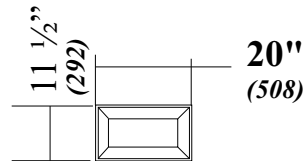
Scale 1:40

(WL and SP) Short Raised Panel door dimensions

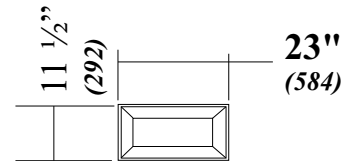
SP in 8'2", 9'2", 15'2", 16'2", & 18'2" wide only

Panel Dimensions by door width

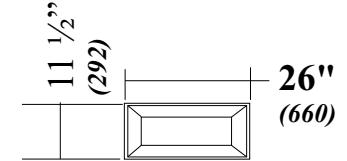
21" high sections (533)



(used for door widths
8'2" (2490), 12'2" (3710),
16'2" (4930) & 17'2" (5230))

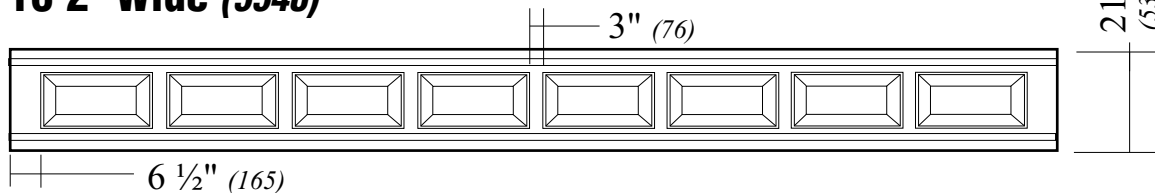


(used for door widths
7'6" (2290), 9'2" (2790),
14'2" (4320) & 18'2" (5540))

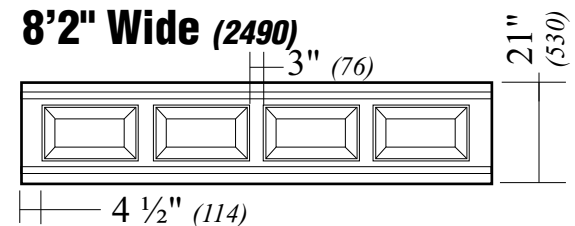


(used for door widths
10'2" (3100), 15'2" (4620)
& 20'2" (6150))

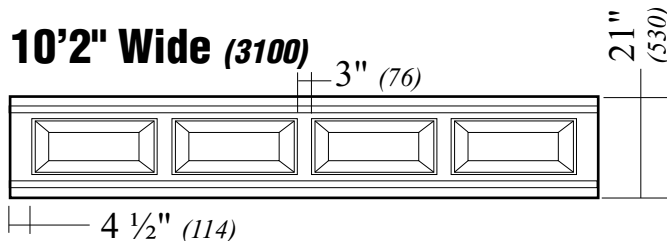
18'2" Wide (5540)



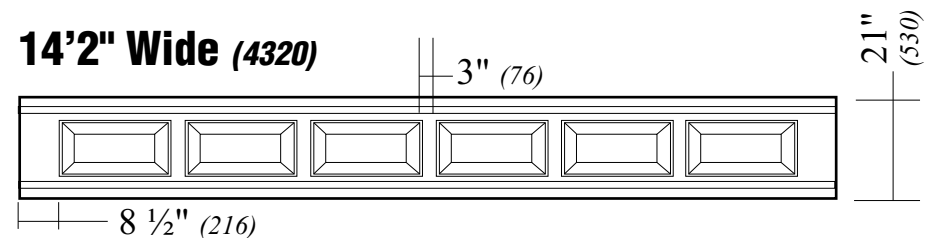
8'2" Wide (2490)



10'2" Wide (3100)



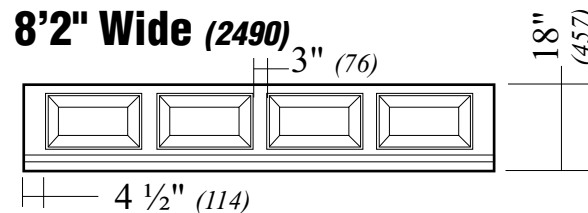
14'2" Wide (4320)



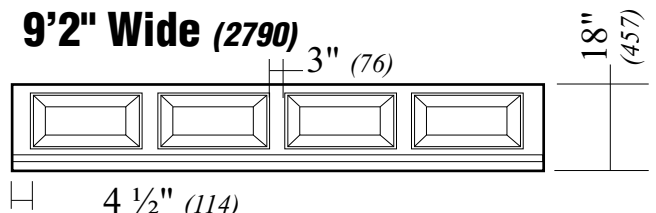
18" high sections (457)

Not shown 10'2", 12'2", 15'2",
16'2", 17'2", 18'2", 20'2"
& 24'2" wide

8'2" Wide (2490)



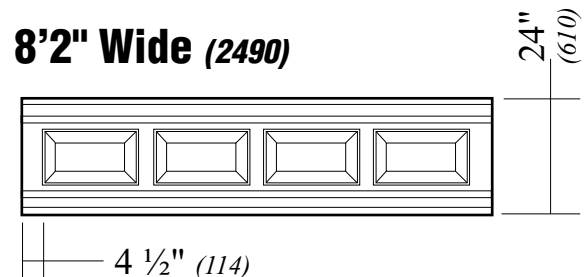
9'2" Wide (2790)



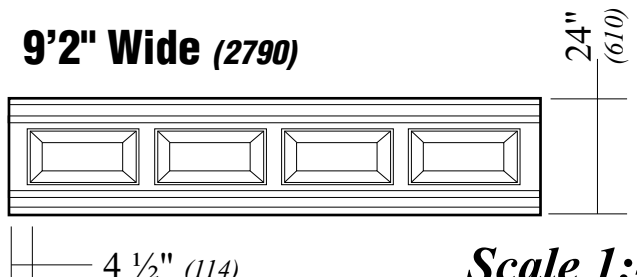
24" high sections (610)

Not shown 10'2", 12'2", 15'2",
16'2", 17'2", 18'2", 20'2"
& 24'2" wide

8'2" Wide (2490)



9'2" Wide (2790)



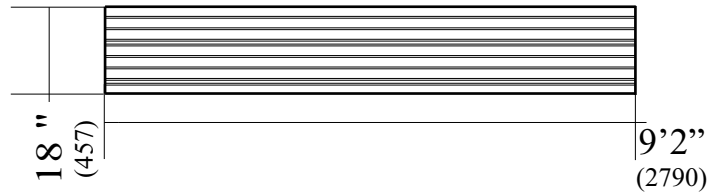
Scale 1:40

(HT) Hi-Tensil™ Ribbed door, (FL) Flushline™ Single Rib flush door, and Security window dimensions

Hi-Tensil™

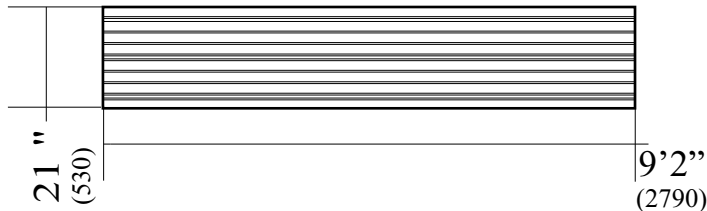
18" high sections
(457)

9'2" Wide
(2790)



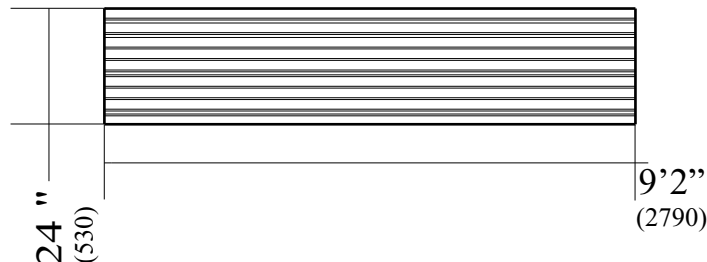
21" high sections
(530)

9'2" Wide
(2790)



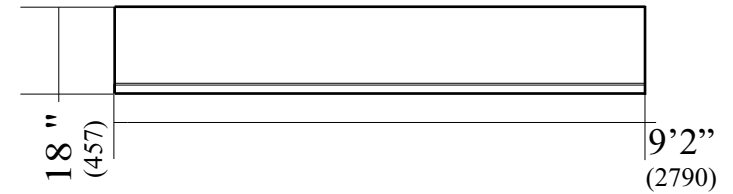
24" high sections
(610)

9'2" Wide
(2790)

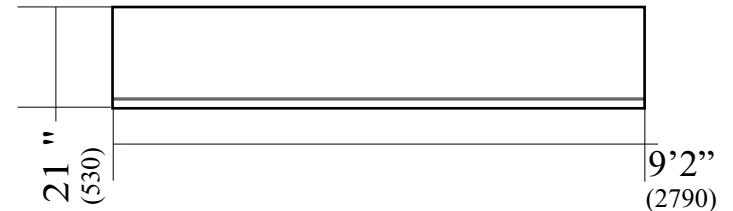


Flushline™

9'2" Wide
(2790)



9'2" Wide
(2790)

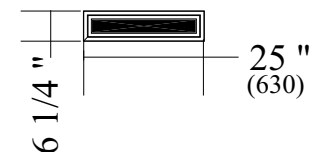


24" (610) high sections

Not available for Flushline™ doors.

Security Windows

Available for both Hi-Tensil™ and Flushline™ doors.

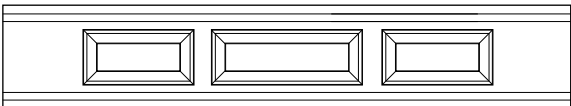


Scale 1:40

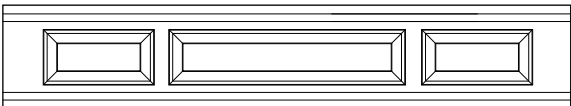
(CM) Camelot, mixed Raised Panel doors.

(Other configurations and some windows may not be available.)

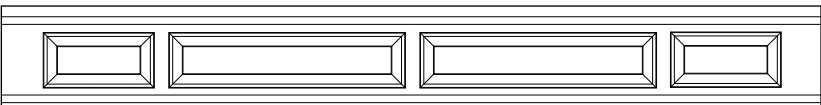
S = Short Panel L = Long Panel



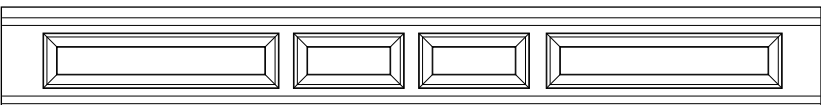
#SSS 8'2"(2490)



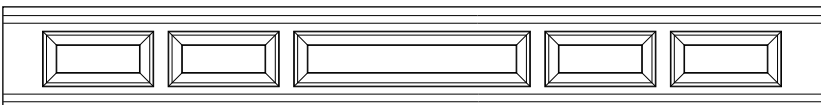
#SLS 8'2" - 9'2" - 10'2" (2490 - 2790 - 3100)



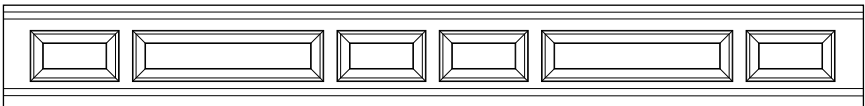
#SLLS 12'2" - 14'2" - 15'2" (3710 - 4320 - 4620)



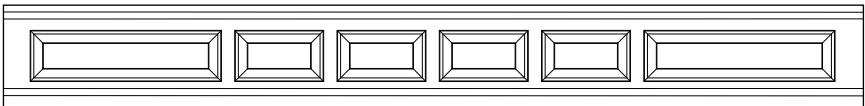
#LSSL 12'2" - 14'2" - 15'2" (3710 - 4320 - 4620)



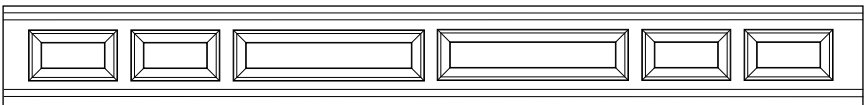
#SSLSS 12'2" - 14'2" - 15'2" (3710 - 4320 - 4620)



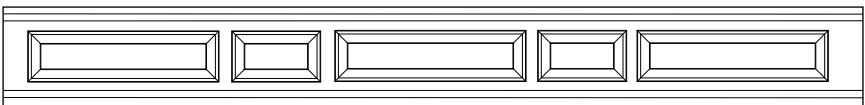
#SLSSLS 16'2" - 18'2" - 20'2" (4930 - 5540 - 6150)



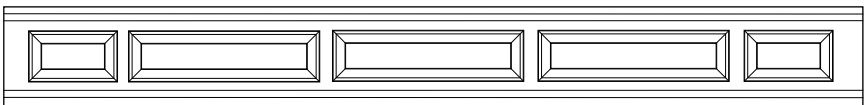
#LSSSSL 16'2" - 18'2" - 20'2" (4930 - 5540 - 6150)



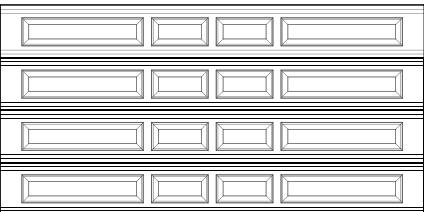
#SSLSS 16'2" - 18'2" - 20'2" (4930 - 5540 - 6150)



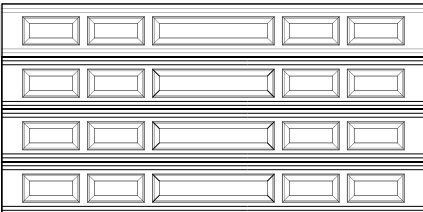
#LSSL 16'2" - 18'2" - 20'2" (4930 - 5540 - 6150)



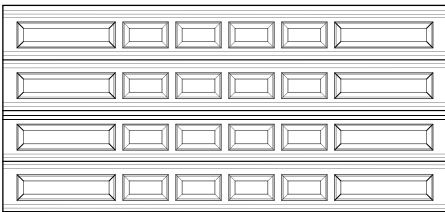
#SLLLS 16'2" - 18'2" - 20'2" (4930 - 5540 - 6150)



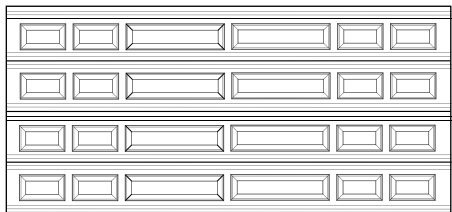
#LSSL 12'2" - 14'2" - 15'2" (3710 - 4320 - 4620)



#SSLSS 12'2" - 14'2" - 15'2" (3710 - 4320 - 4620)



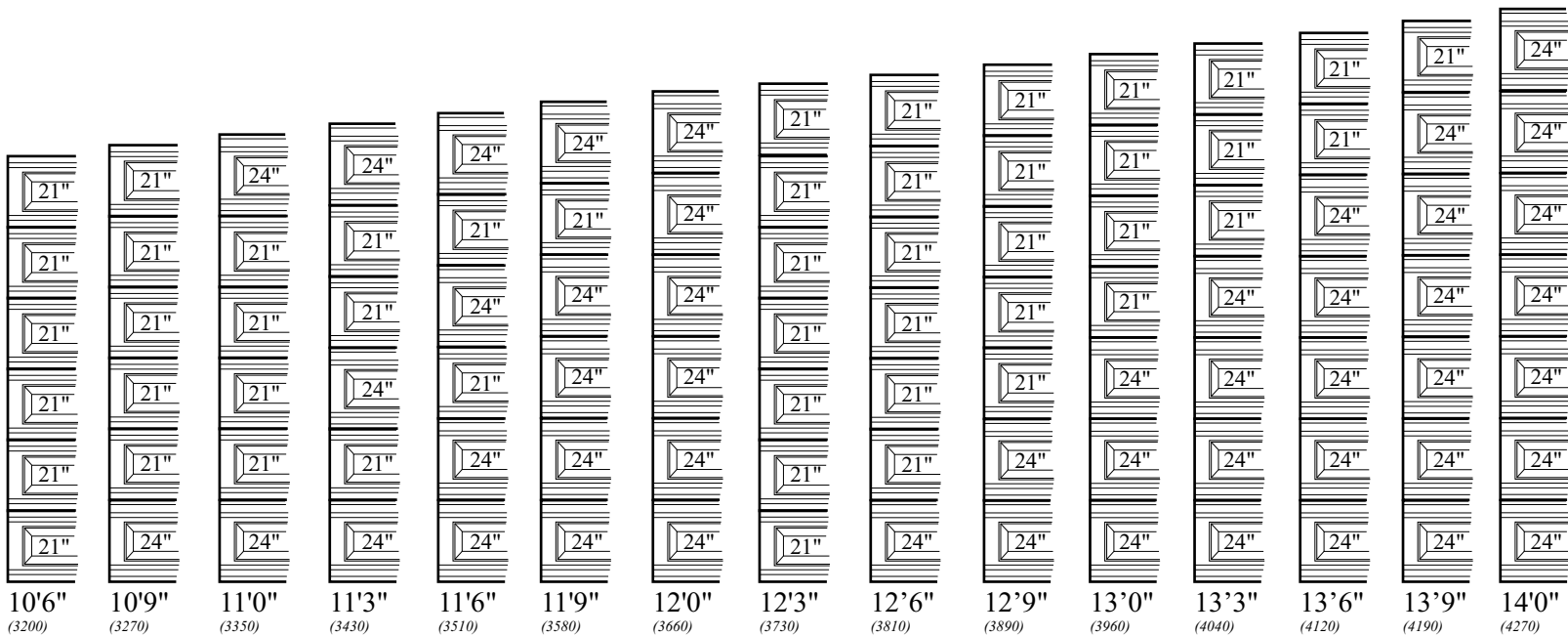
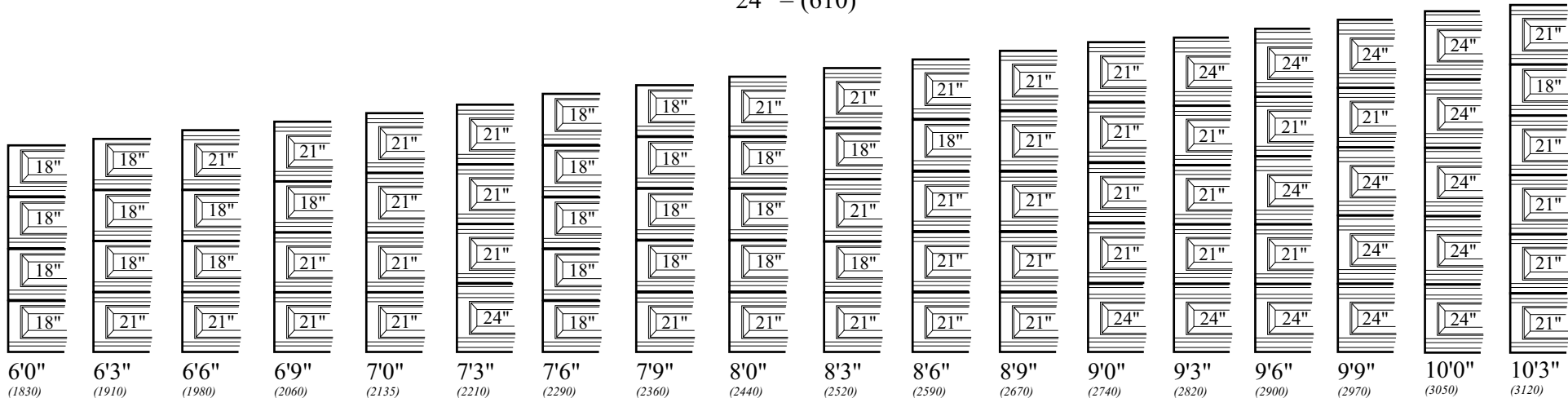
#LSSSSL 16'2" - 18'2" - 20'2" (4930 - 5540 - 6150)



#SSLSS 16'2" - 18'2" - 20'2" (4930 - 5540 - 6150)

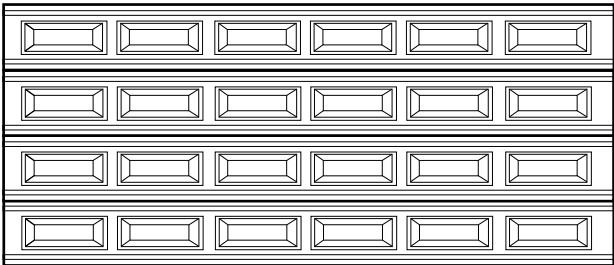
Height examples

18'' = (457)
21'' = (533)
24'' = (610)

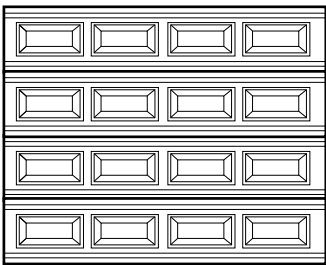


Additional heights to 20'0" (6090) are available in 3" (76) increments.

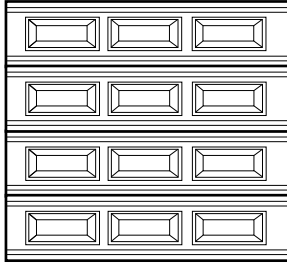
(WL) Short Raised Panel Examples



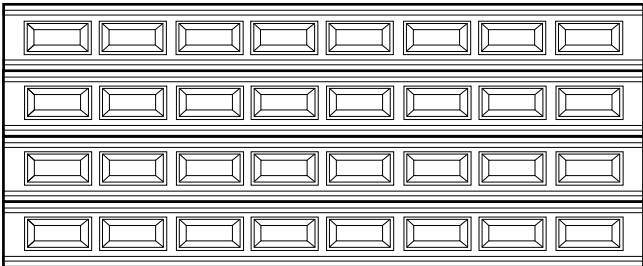
15'2" X 7' (4620 X 2130)



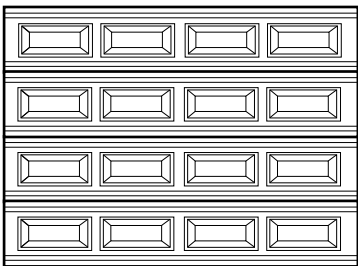
8'2" X 7' (2490 X 2130)



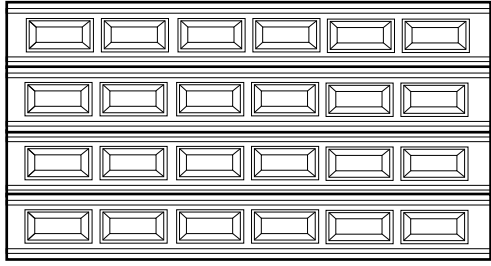
7'8" X 7' (2340 X 2130) N/A SP



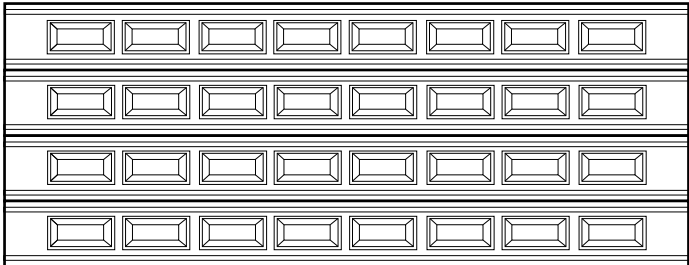
16'2" X 7' (4930 X 2130)



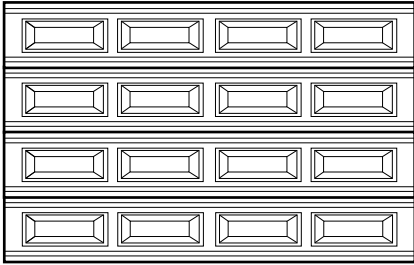
9'2" X 7' (2790 X 2130)



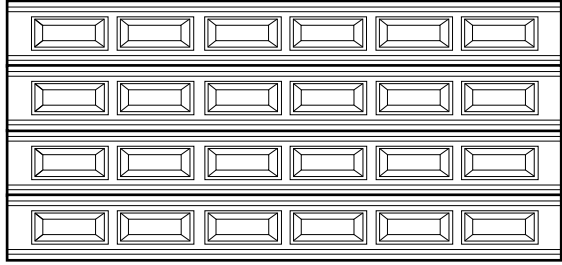
12'2" X 7' (3710 X 2130) N/A SP



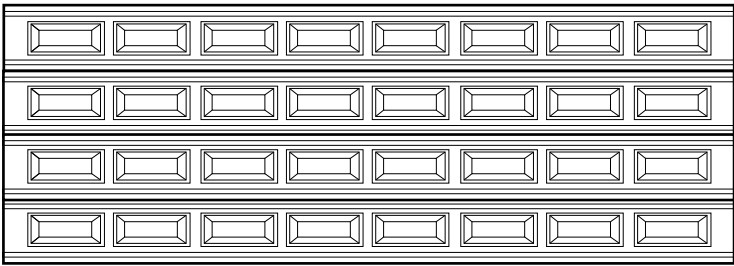
17'2" X 7' (5230 X 2130) (STRETCHED 16') N/A SP



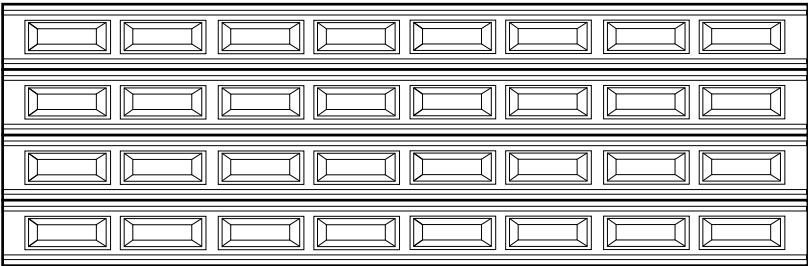
10'2" X 7' (3100 X 2130) N/A SP



14'2" X 7' (4320 X 2130) N/A SP

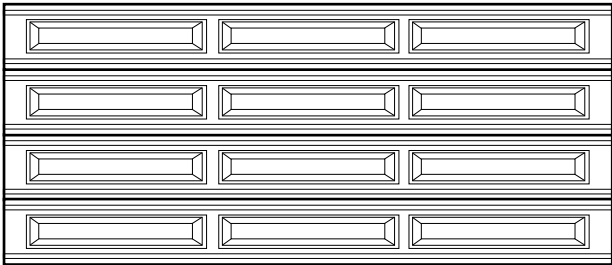


18'2" X 7' (5540 X 2130)

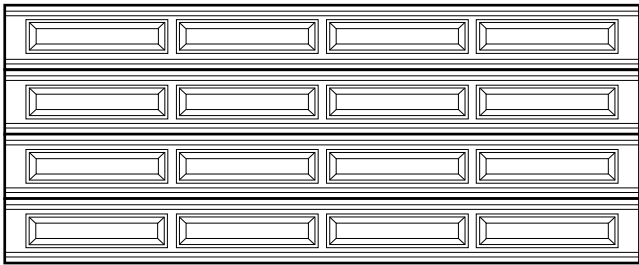


20'2" X 7' (6150 X 2130) N/A SP

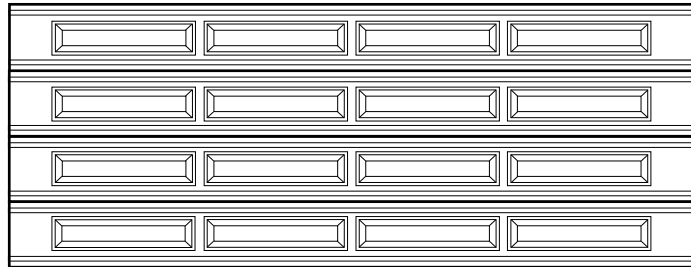
(RA) Long Raised Panel Examples



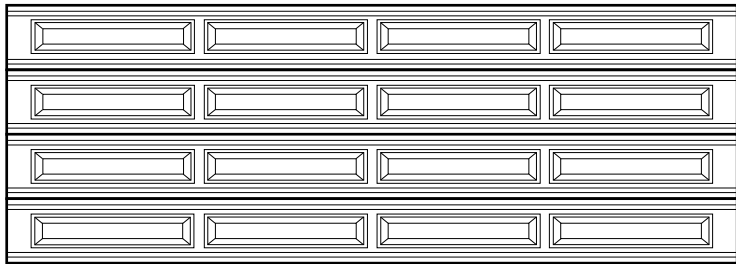
15'2" X 7' (4620 X 2130)



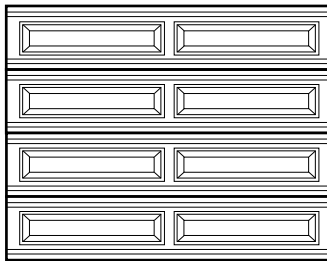
16'2" X 7' (4930 X 2130)



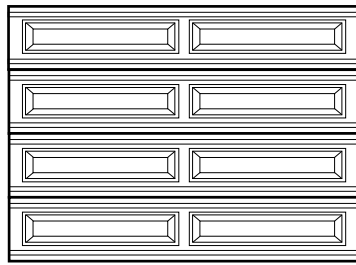
17'2" X 7' (5230 X 2130) (STRETCHED 16') N/A Montana or SL



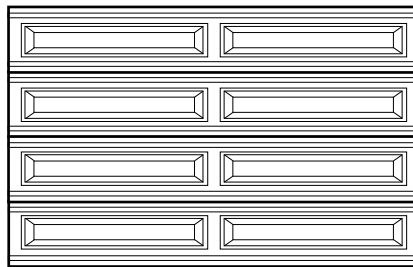
18'2" X 7' (5540 X 2130) N/A Montana



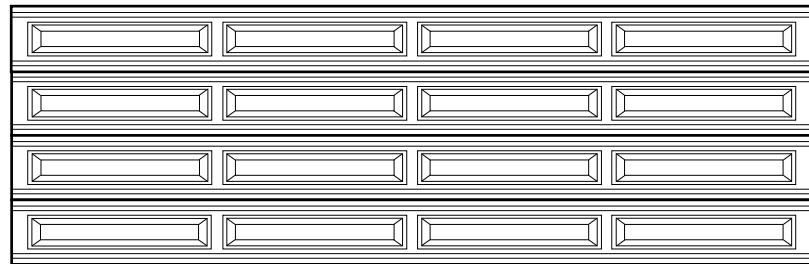
8'2" X 7' (2490 X 2130)



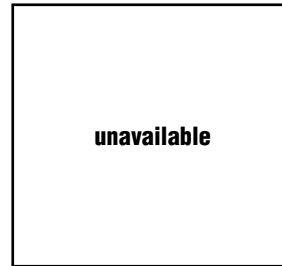
9'2" X 7' (2790 X 2130)



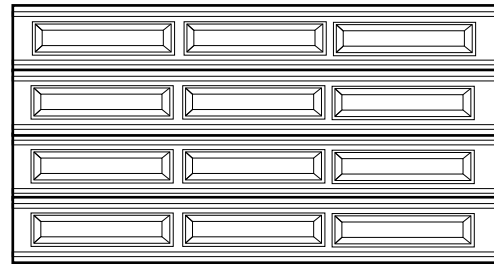
10'2" X 7' (3100 X 2130) N/A Montana or SL



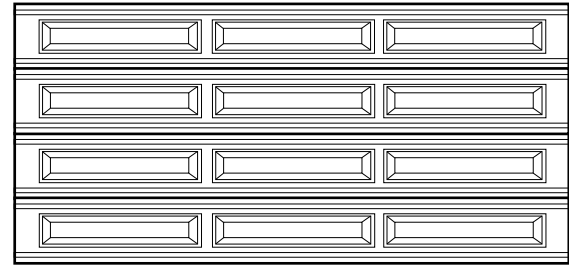
20'2" X 7' (6150 X 2130) N/A Montana or SL



7'8" X 7' (2340 X 2130)

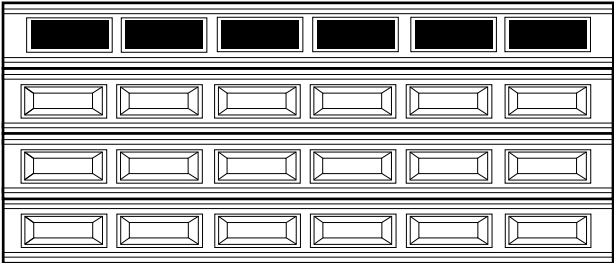


12'2" X 7' (3710 X 2130) N/A Montana or SL

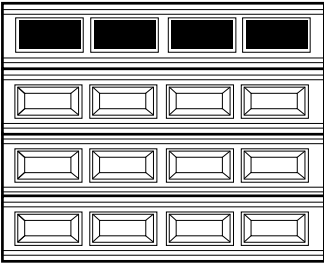


14'2" X 7' (4320 X 2130) N/A Montana or SL

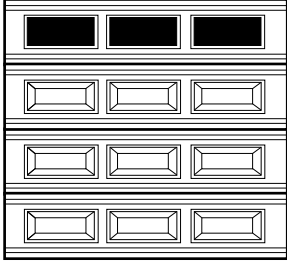
(DF) Designer Full View Short Window Examples



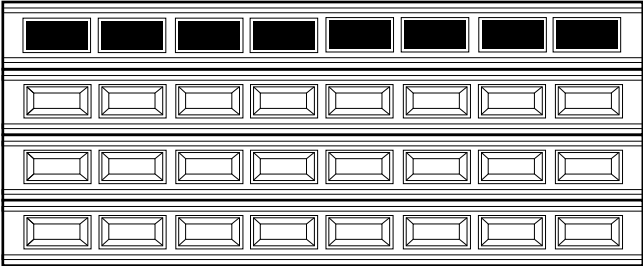
15'2" X 7' (4620 X 2130)



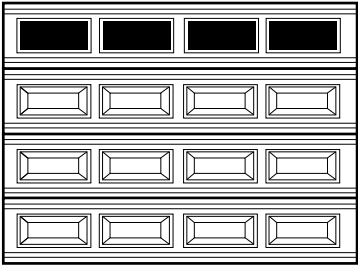
8'2" X 7' (2490 X 2130)



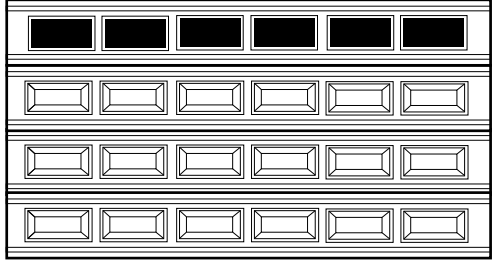
7'8" X 7' (2340 X 2130)



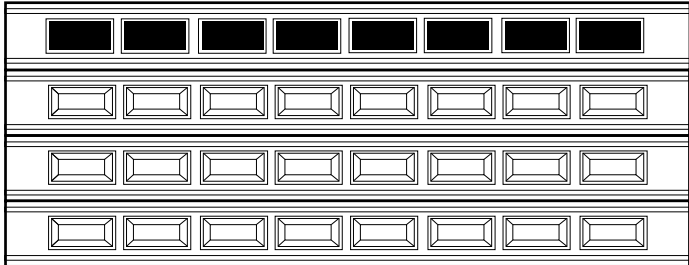
16'2" X 7' (4930 X 2130)



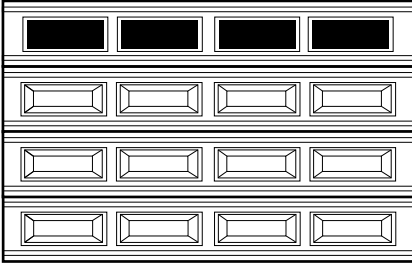
9'2" X 7' (2790 X 2130)



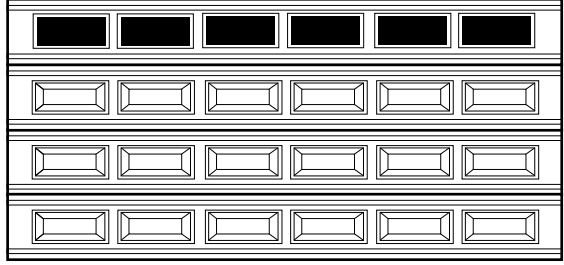
12'2" X 7' (3710 X 2130)



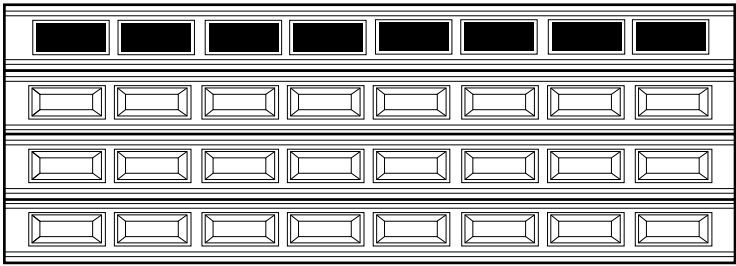
17'2" X 7' (5230 X 2130) (Stretched 16')



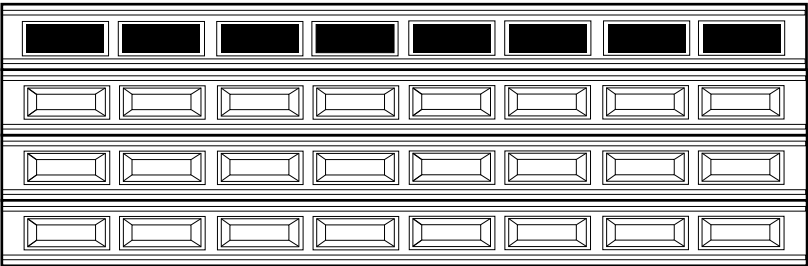
10'2" X 7' (3100 X 2130)



14'2" X 7' (4320 X 2130)

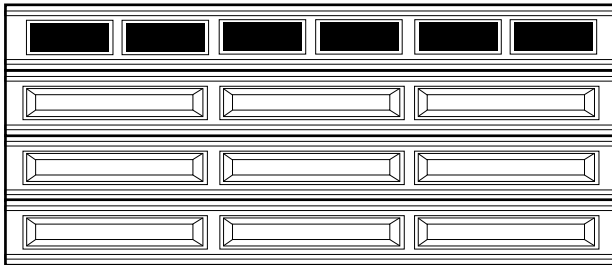


18'2" X 7' (5540 X 2130)

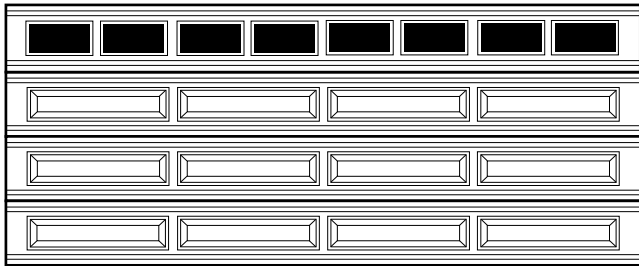


20'2" X 7' (6150 X 2130)

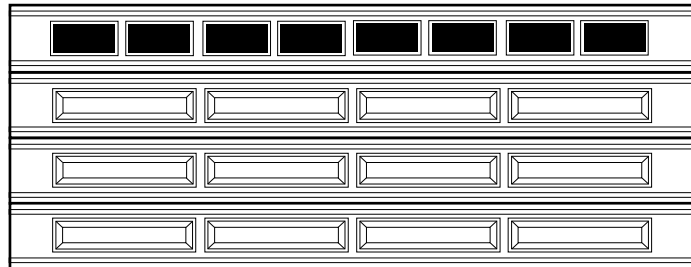
(DF) Designer Full View Short Window Examples



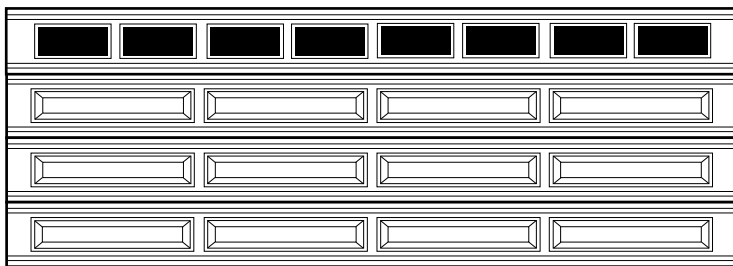
15'2" X 7' (4620 X 2130)



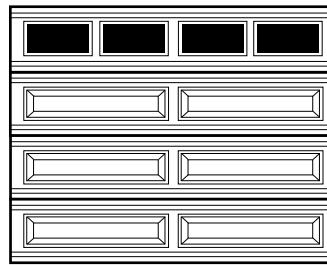
16'2" X 7' (4930 X 2130)



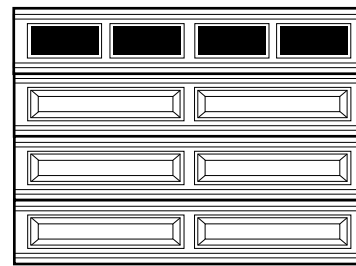
17'2" X 7' (5230 X 2130) (Stretched 16')



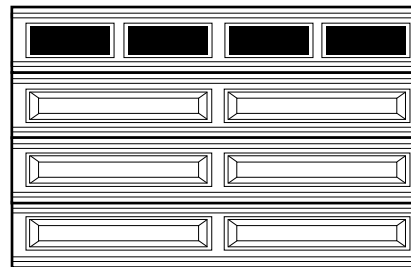
18'2" X 7' (5540 X 2130)



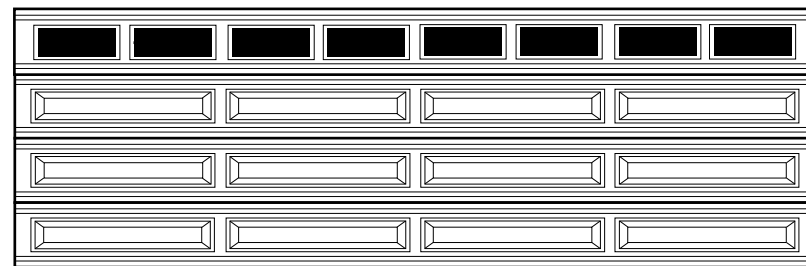
8'2" X 7' (2490 X 2130)



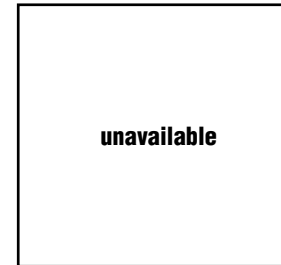
9'2" X 7' (2790 X 2130)



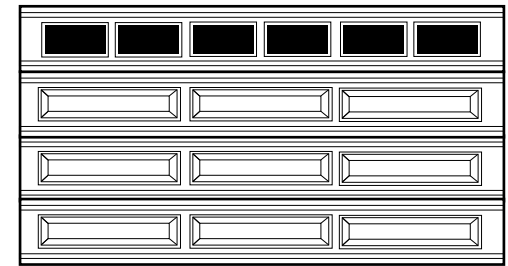
10'2" X 7' (3100 X 2130)



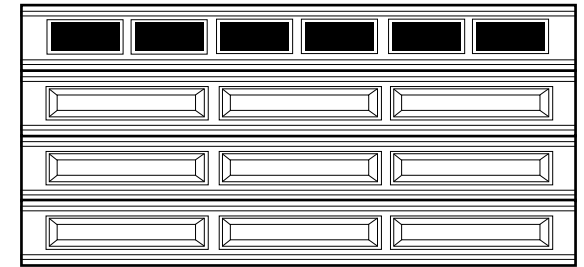
20'2" X 7' (6150 X 2130)



7'8" X 7' (2340 X 2130)

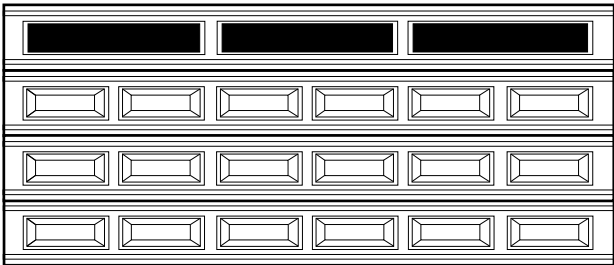


12'2" X 7' (3710 X 2130)

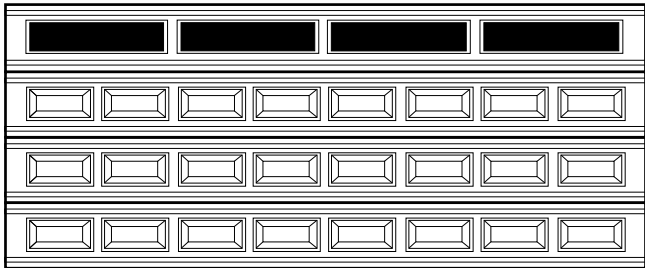


14'2" X 7' (4320 X 2130)

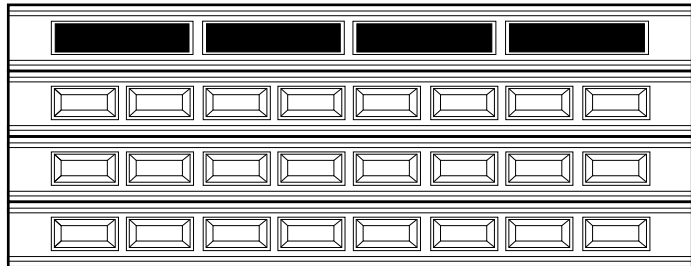
(DR) Designer Full View Long Window Examples



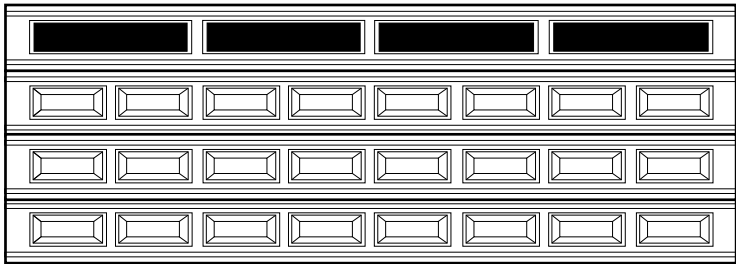
15'2" X 7' (4620 X 2130)



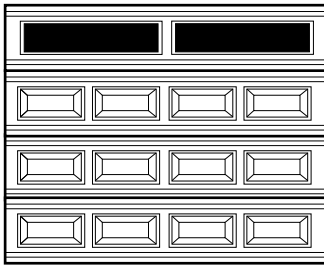
16'2" X 7' (4930 X 2130)



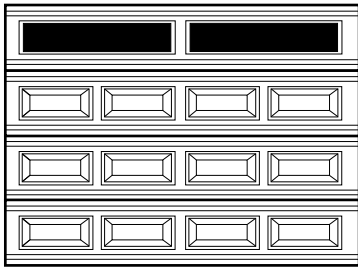
17'2" X 7' (5230 X 2130) (Stretched 16')



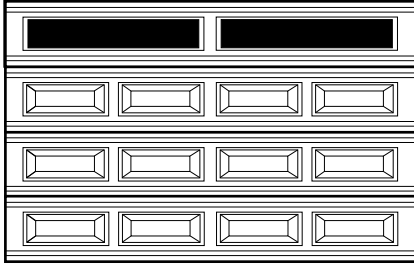
18'2" X 7' (5540 X 2130)



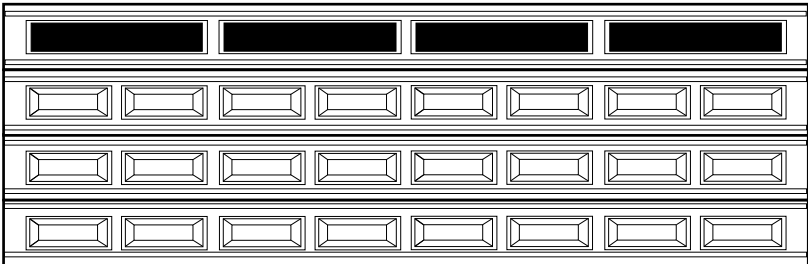
8'2" X 7' (2490 X 2130)



9'2" X 7' (2790 X 2130)



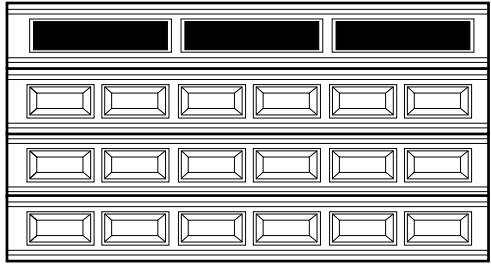
10'2" X 7' (3100 X 2130)



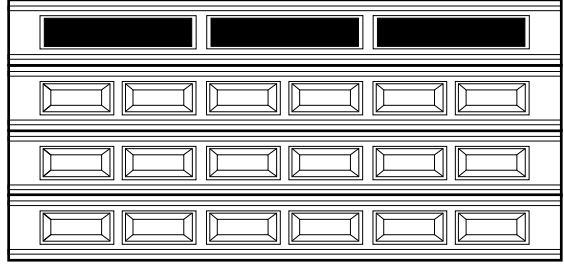
20'2" X 7' (6150 X 2130)



7'8" X 7' (2340 X 2130)

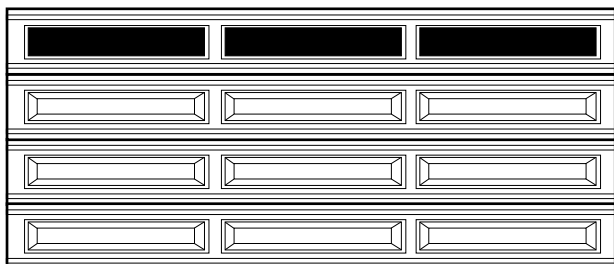


12'2" X 7' (3710 X 2130)

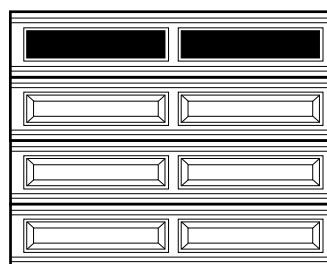


14'2" X 7' (4320 X 2130)

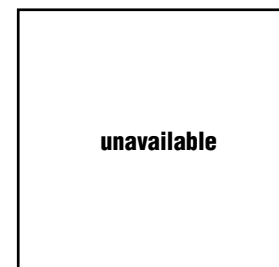
(DR) Designer Full View Long Window Examples



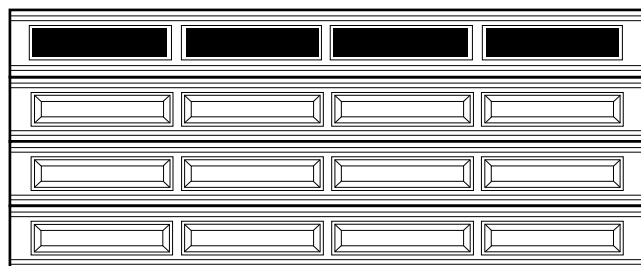
15'2" X 7' (4620 X 2130)



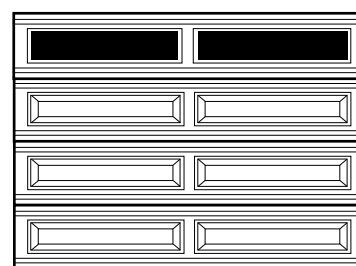
8'2" X 7' (2490 X 2130)



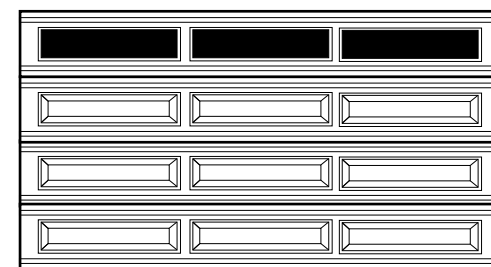
7'8" X 7' (2340 X 2130)



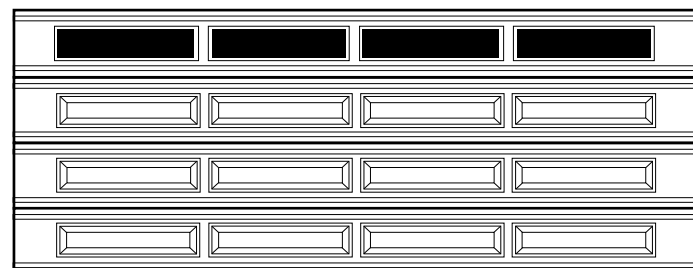
16'2" X 7' (4930 X 2130)



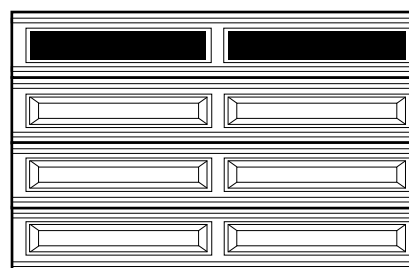
9'2" X 7' (2790 X 2130)



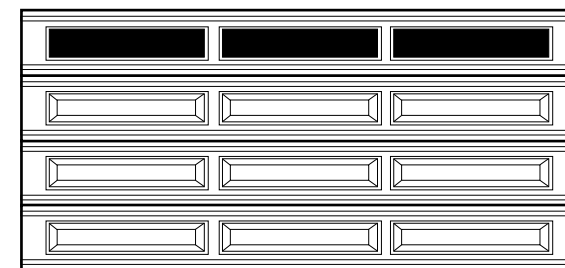
12'2" X 7' (3710 X 2130)



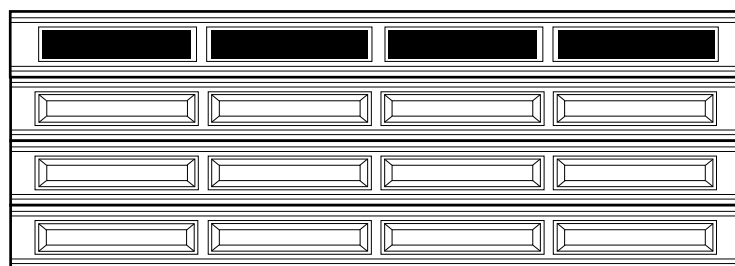
17'2" X 7' (5230 X 2130) (Stretched 16')



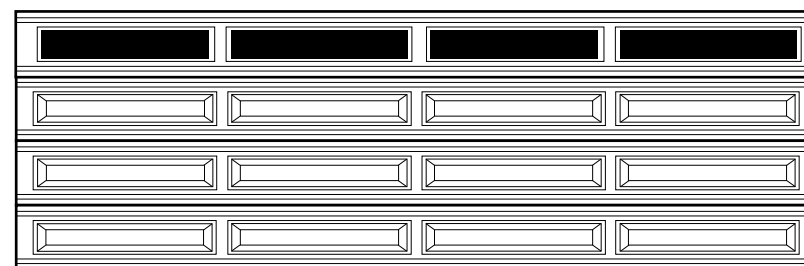
10'2" X 7' (3100 X 2130)



14'2" X 7' (4320 X 2130)

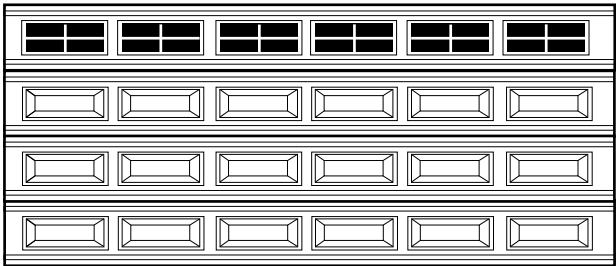


18'2" X 7' (5540 X 2130)

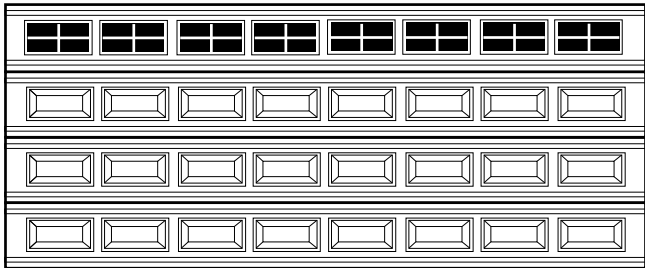


20'2" X 7' (6150 X 2130)

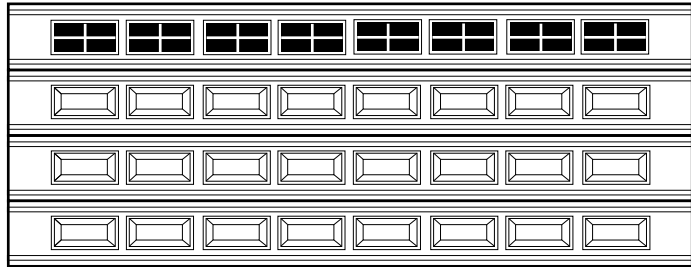
(VI) Virginian Short Window Examples



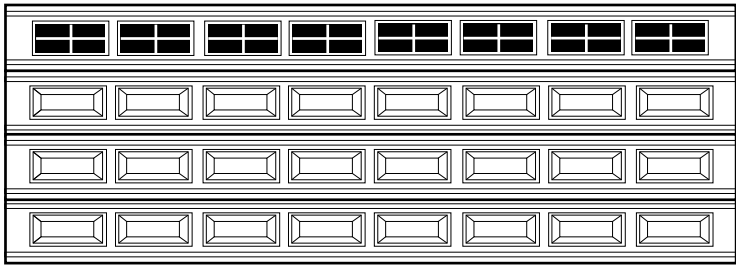
15'2" X 7' (4620 X 2130)



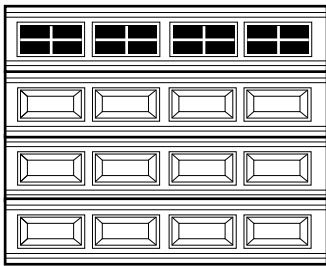
16'2" X 7' (4930 X 2130)



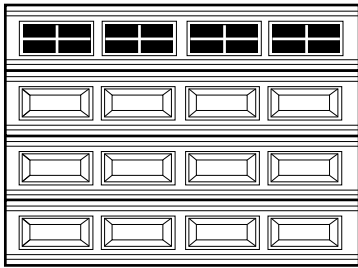
17'2" X 7' (5230 X 2130) (Stretched 16')



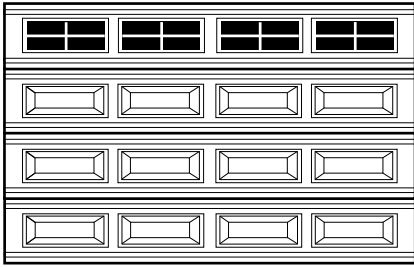
18'2" X 7' (5540 X 2130)



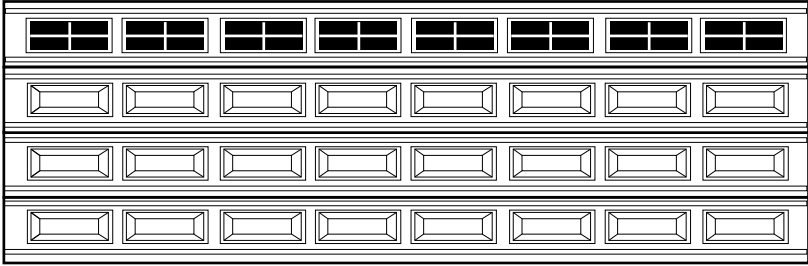
8'2" X 7' (2490 X 2130)



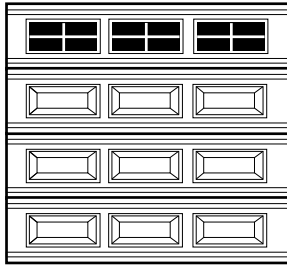
9'2" X 7' (2790 X 2130)



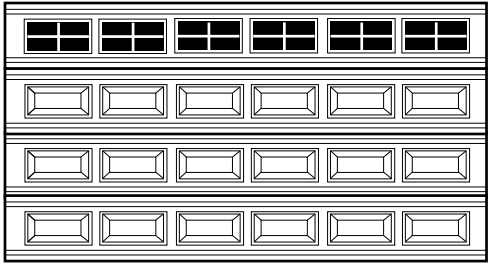
10'2" X 7' (3100 X 2130)



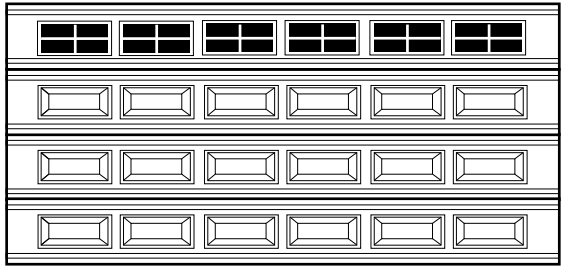
20'2" X 7' (6150 X 2130)



7'8" X 7' (2340 X 2130)

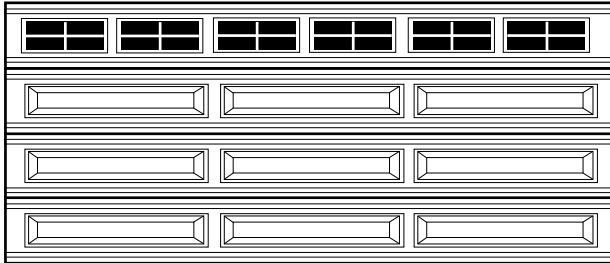


12'2" X 7' (3710 X 2130)

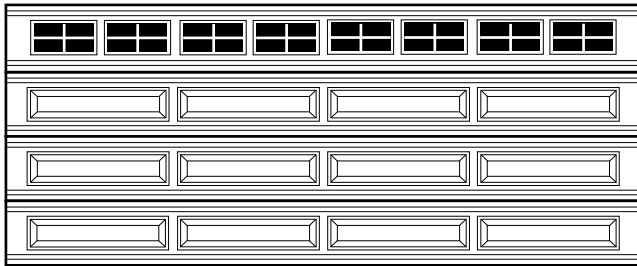


14'2" X 7' (4320 X 2130)

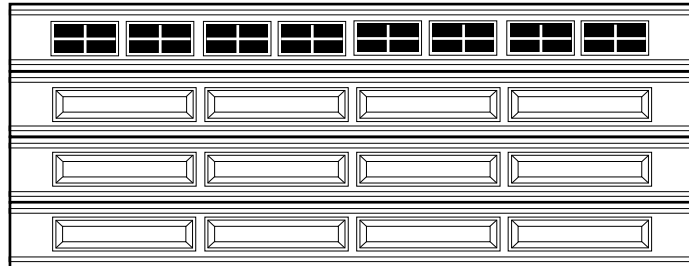
(VI) Virginian Short Window Examples



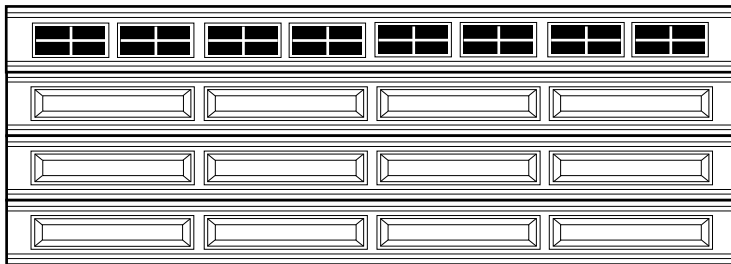
15'2" X 7' (4620 X 2130)



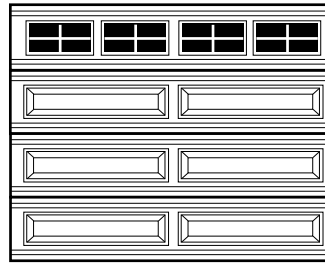
16'2" X 7' (4930 X 2130)



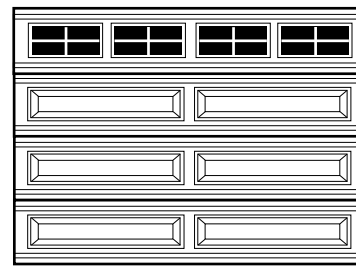
17'2" X 7' (5230 X 2130) (Stretched 16')



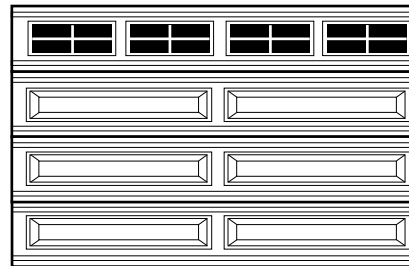
18'2" X 7' (5540 X 2130)



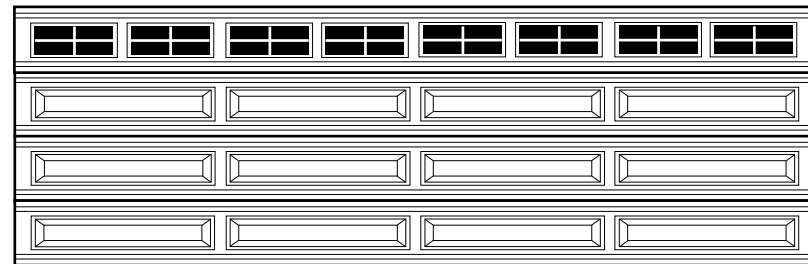
8'2" X 7' (2490 X 2130)



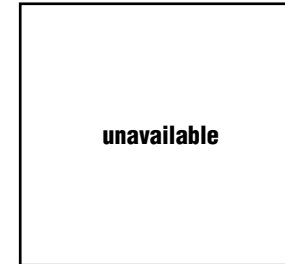
9'2" X 7' (2790 X 2130)



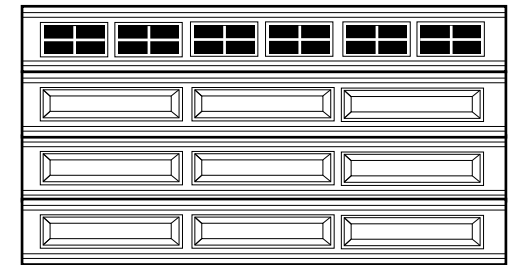
10'2" X 7' (3100 X 2130)



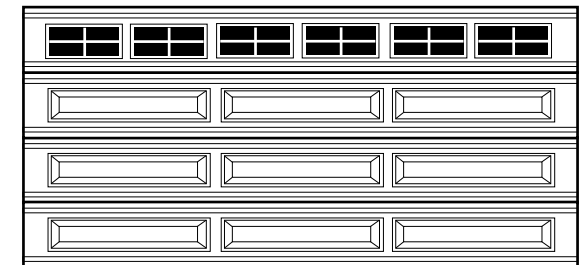
20'2" X 7' (6150 X 2130)



7'8" X 7' (2340 X 2130)

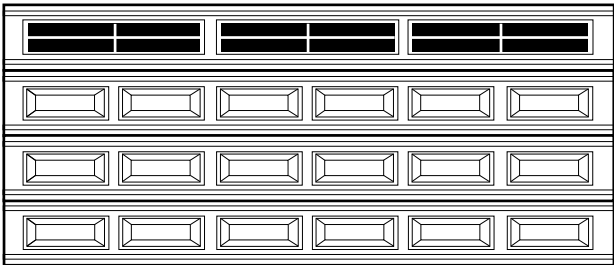


12'2" X 7' (3710 X 2130)

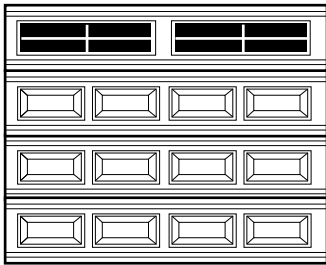


14'2" X 7' (4320 X 2130)

(VR) Virginian Long Window Examples



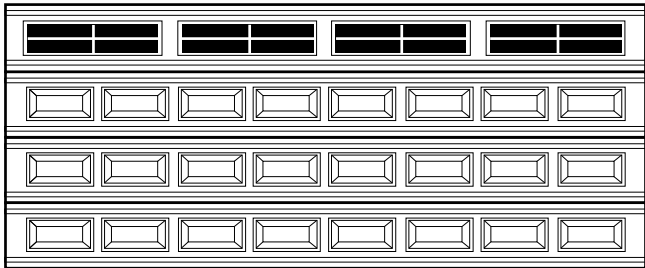
15'2" X 7' (4620 X 2130)



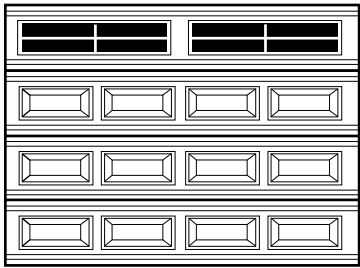
8'2" X 7' (2490 X 2130)



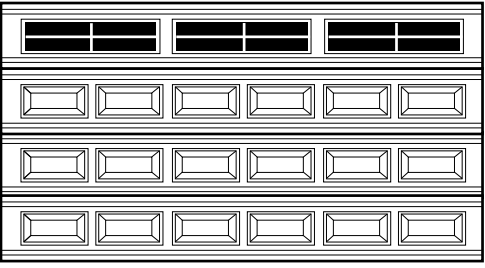
7'8" X 7' (2340 X 2130)



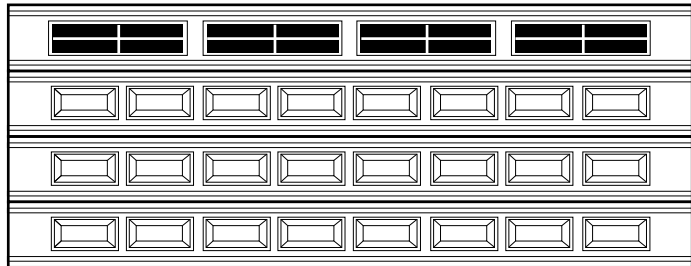
16'2" X 7' (4930 X 2130)



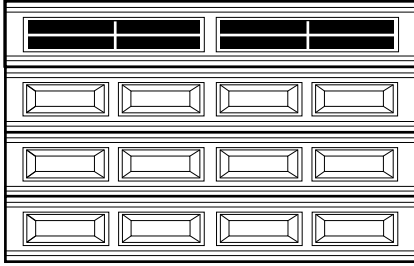
9'2" X 7' (2790 X 2130)



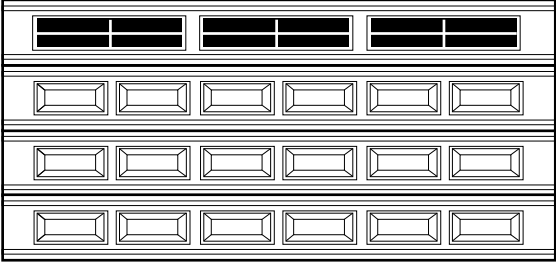
12'2" X 7' (3710 X 2130)



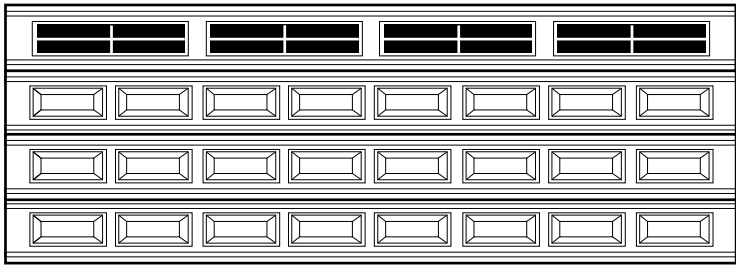
17'2" X 7' (5230 X 2130) (Stretched 16')



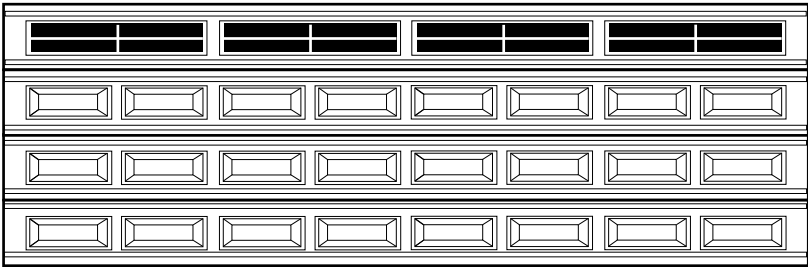
10'2" X 7' (3100 X 2130)



14'2" X 7' (4320 X 2130)

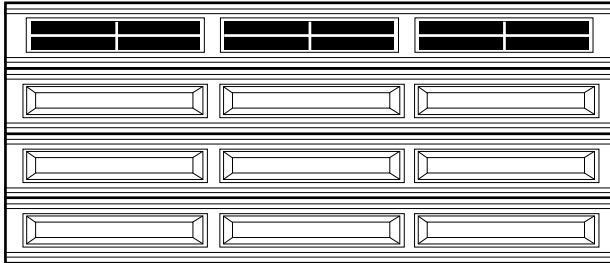


18'2" X 7' (5540 X 2130)

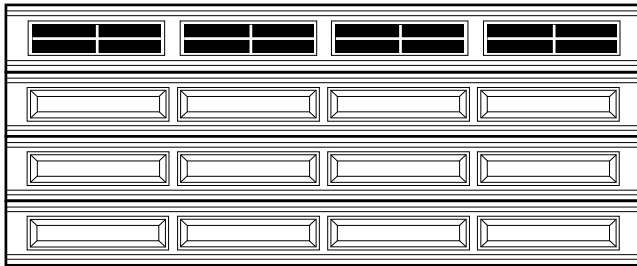


20'2" X 7' (6150 X 2130)

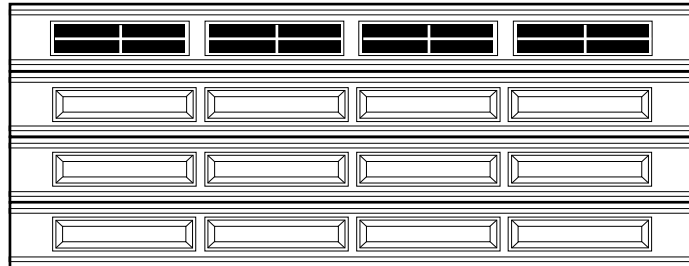
(VR) Virginian Long Window Examples



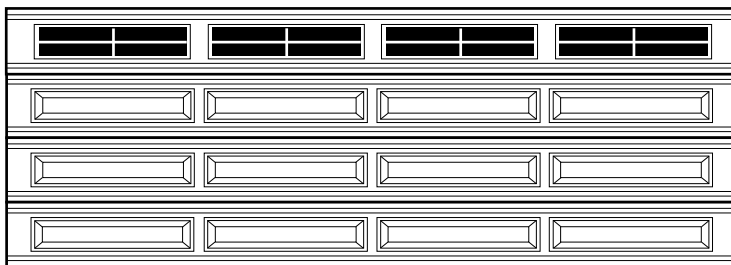
15'2" X 7' (4620 X 2130)



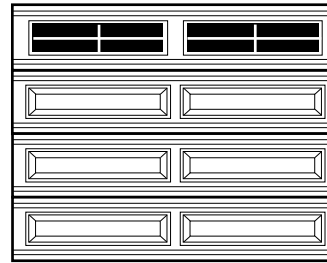
16'2" X 7' (4930 X 2130)



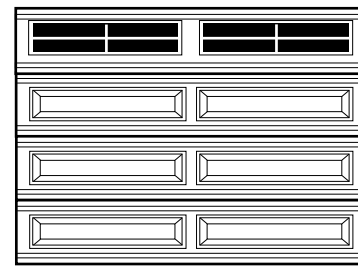
17'2" X 7' (5230 X 2130) (Stretched 16')



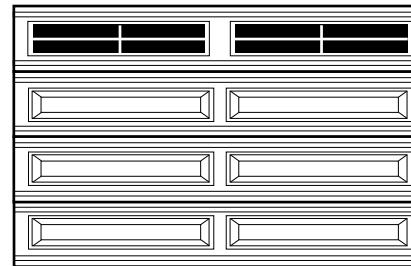
18'2" X 7' (5540 X 2130)



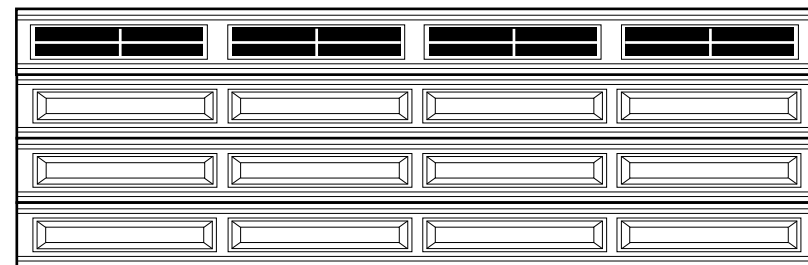
8'2" X 7' (2490 X 2130)



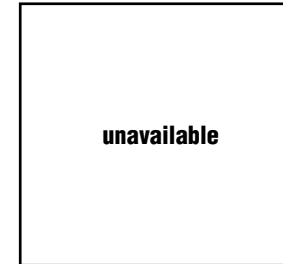
9'2" X 7' (2790 X 2130)



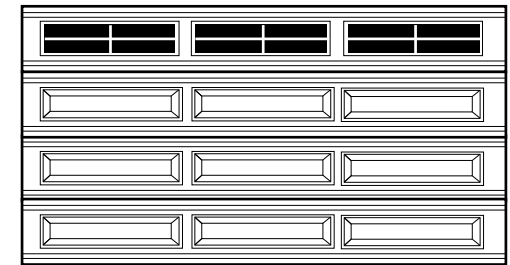
10'2" X 7' (3100 X 2130)



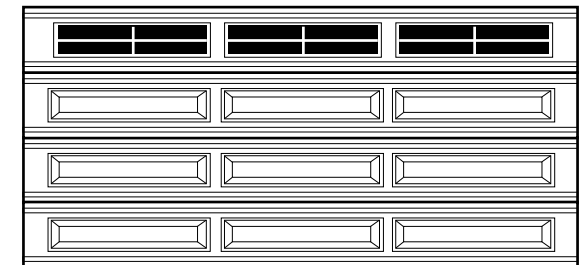
20'2" X 7' (6150 X 2130)



7'8" X 7' (2340 X 2130)

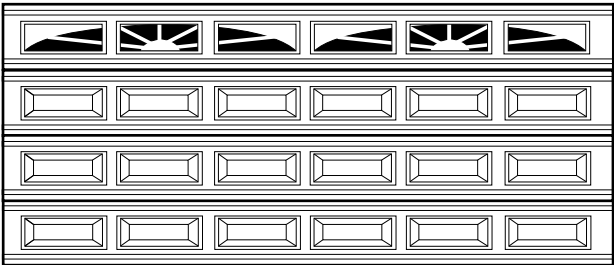


12'2" X 7' (3710 X 2130)

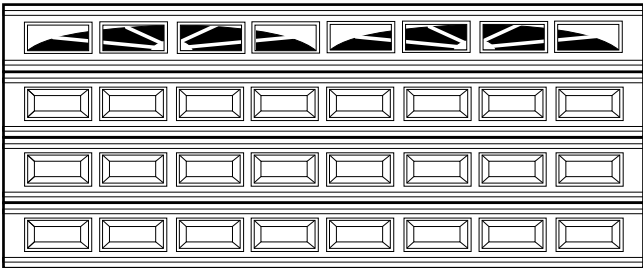


14'2" X 7' (4320 X 2130)

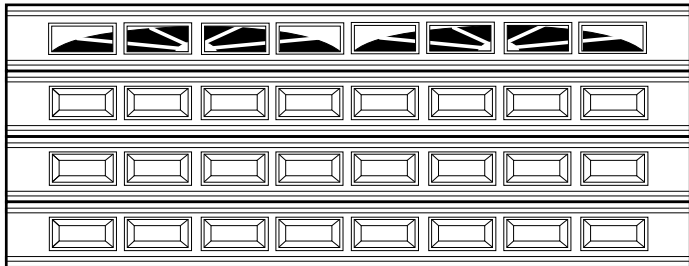
(SR) Sunrise Short Window Examples



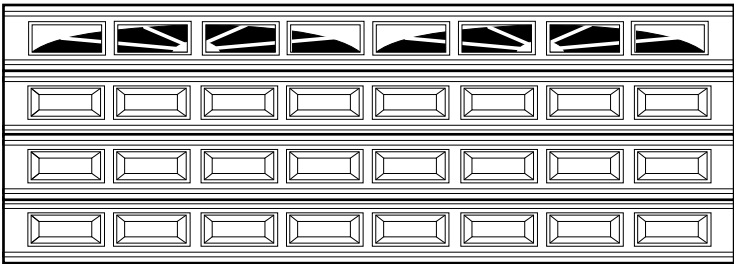
15'2" X 7' (4620 X 2130)



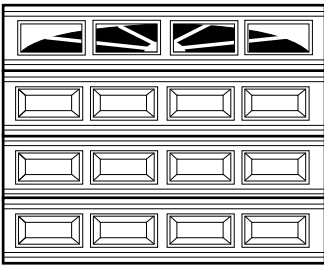
16'2" X 7' (4930 X 2130)



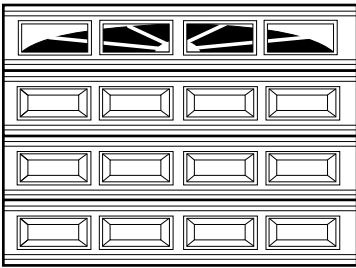
17'2" X 7' (5230 X 2130) (Stretched 16')



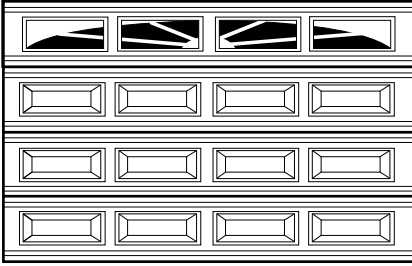
18'2" X 7' (5540 X 2130)



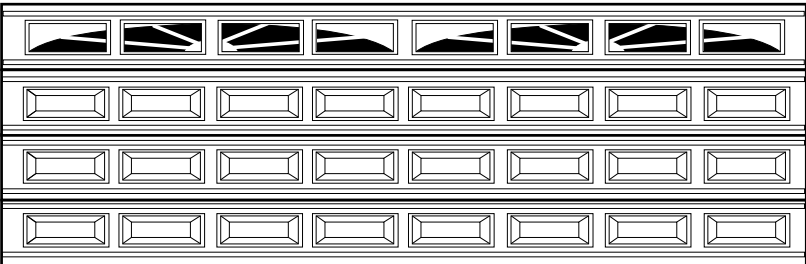
8'2" X 7' (2490 X 2130)



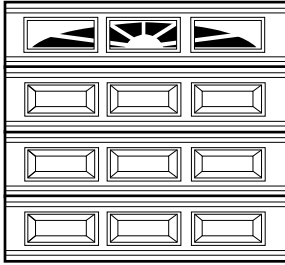
9'2" X 7' (2790 X 2130)



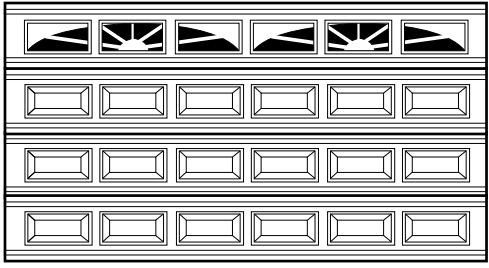
10'2" X 7' (3100 X 2130)



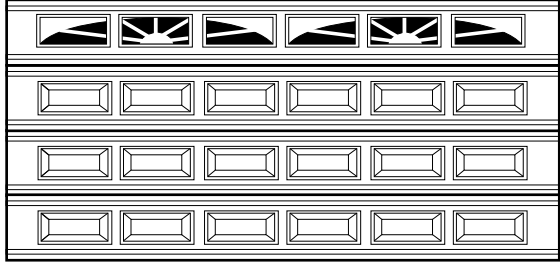
20'2" X 7' (6150 X 2130)



7'8" X 7' (2340 X 2130)

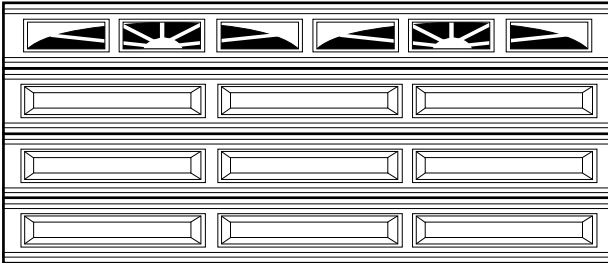


12'2" X 7' (3710 X 2130)

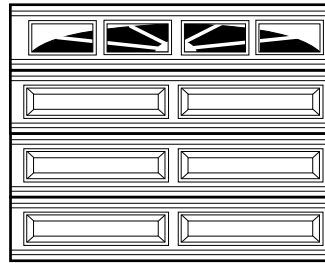


14'2" X 7' (4320 X 2130)

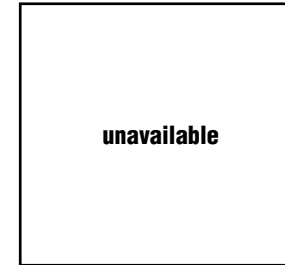
(SR) Sunrise Short Window Examples



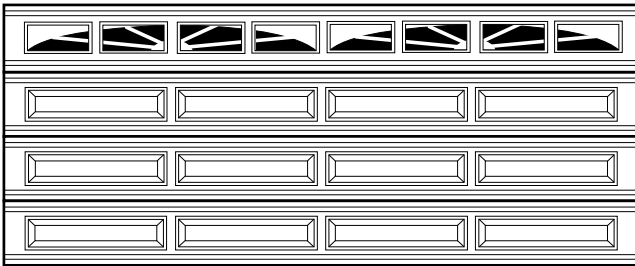
15'2" X 7' (4620 X 2130)



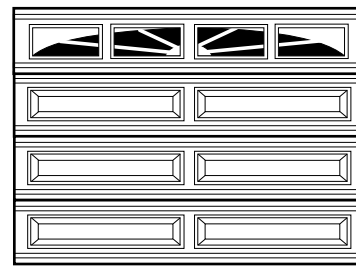
8'2" X 7' (2490 X 2130)



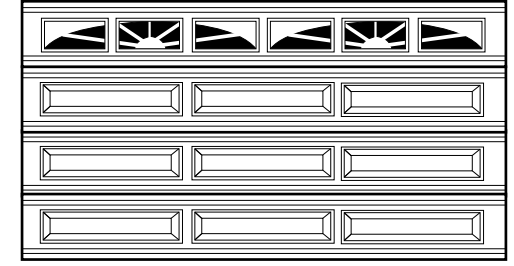
7'8" X 7' (2340 X 2130)



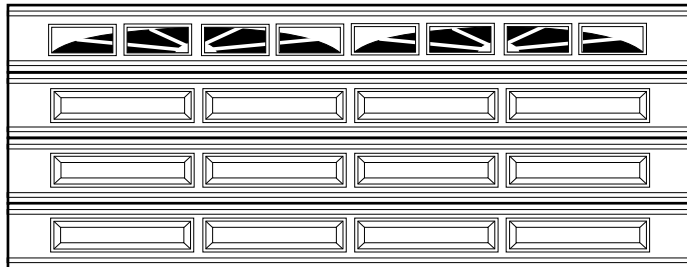
16'2" X 7' (4930 X 2130)



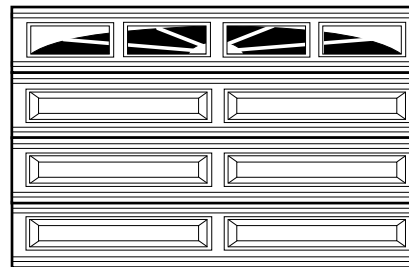
9'2" X 7' (2790 X 2130)



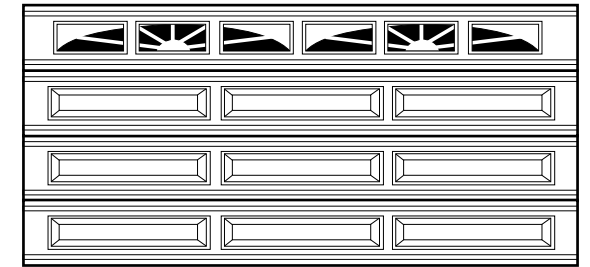
12'2" X 7' (3710 X 2130)



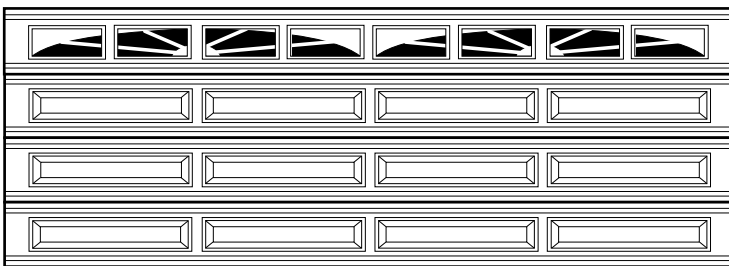
17'2" X 7' (5230 X 2130) (STRETCHED 16')



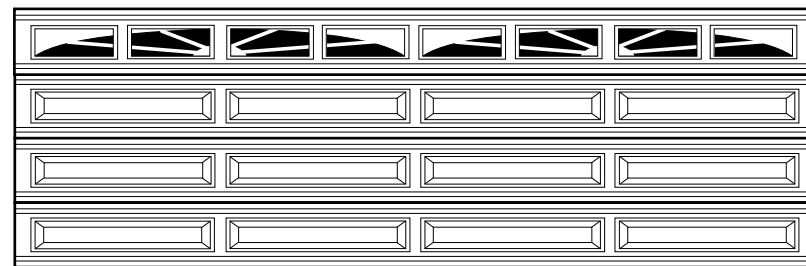
10'2" X 7' (3100 X 2130)



14'2" X 7' (4320 X 2130)

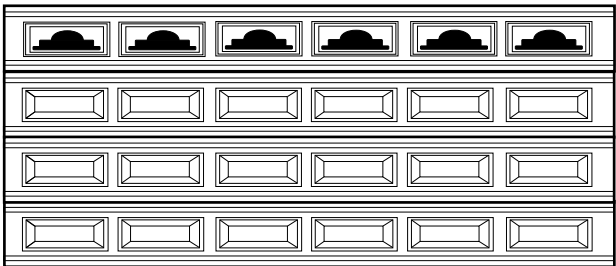


18'2" X 7' (5540 X 2130)

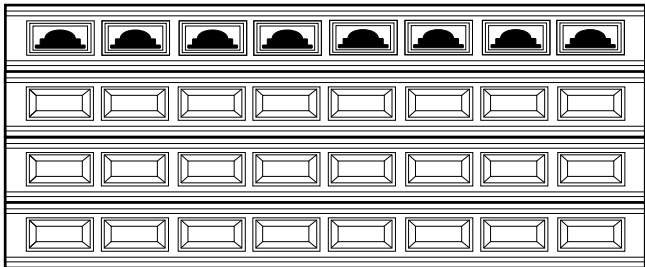


20'2" X 7' (6150 X 2130)

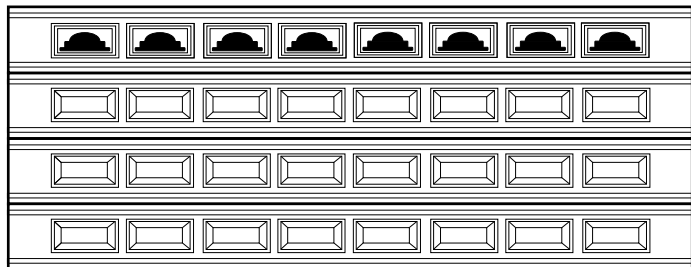
(CA) Cathedral Short Window Examples



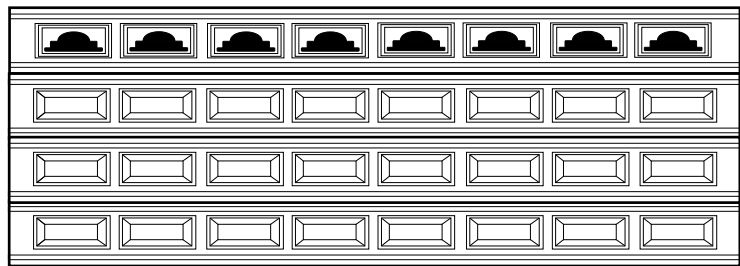
15'2" X 7' (4620 X 2130)



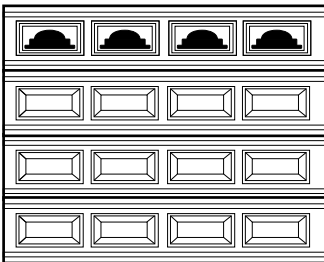
16'2" X 7' (4930 X 2130)



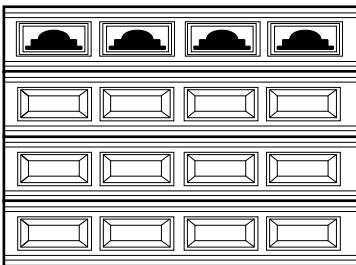
17'2" X 7' (5230 X 2130) (STRETCHED 16')



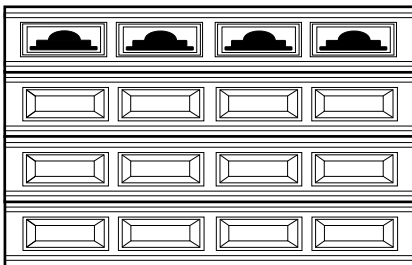
18'2" X 7' (5540 X 2130)



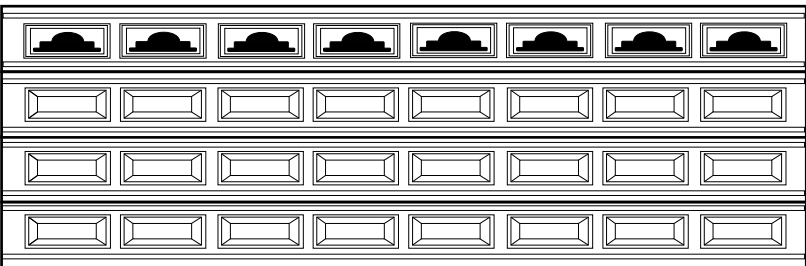
8'2" X 7' (2490 X 2130)



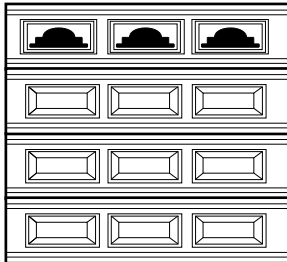
9'2" X 7' (2790 X 2130)



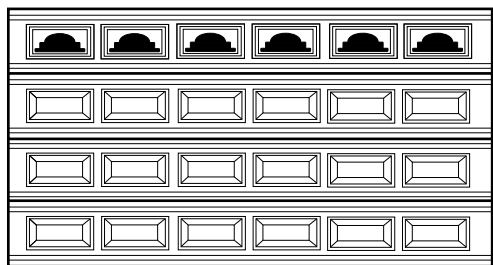
10'2" X 7' (3100 X 2130)



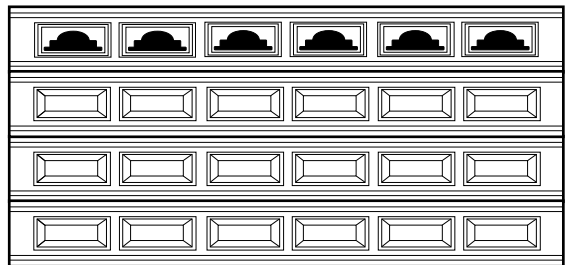
20'2" X 7' (6150 X 2130)



7'8" X 7' (2340 X 2130)

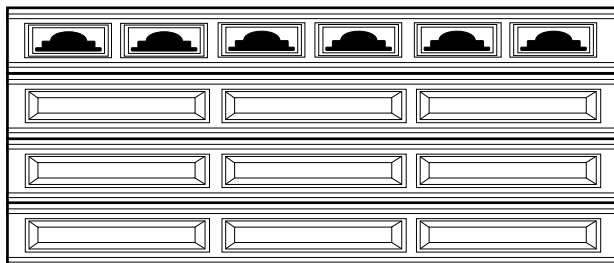


12'2" X 7' (3710 X 2130)

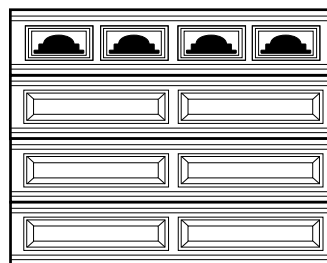


14'2" X 7' (4320 X 2130)

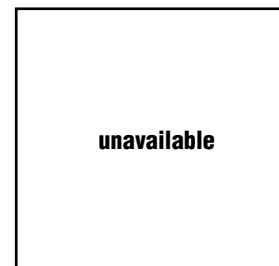
(CA) Cathedral Short Window Examples



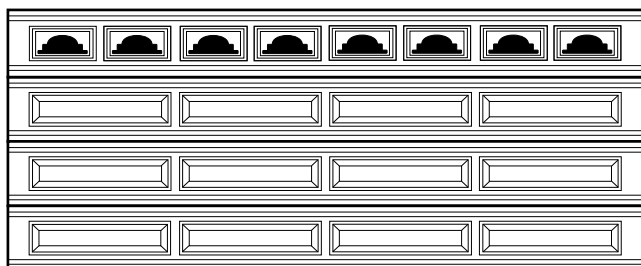
15'2" X 7' (4620 X 2130)



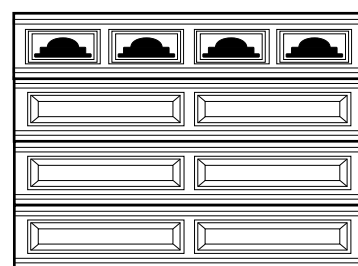
8'2" X 7' (2490 X 2130)



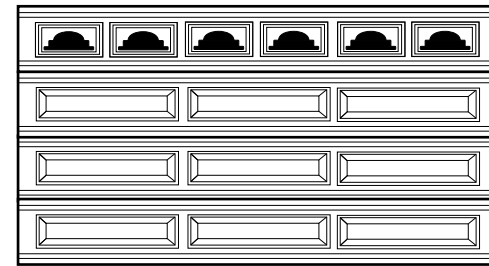
7'8" X 7' (2340 X 2130)



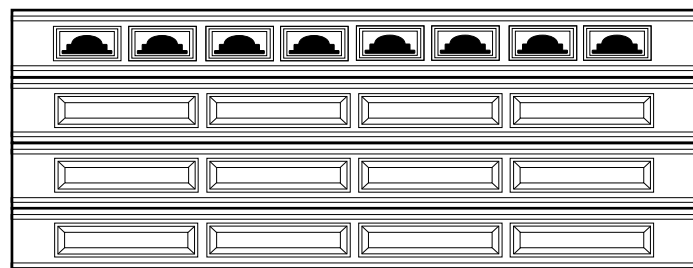
16'2" X 7' (4930 X 2130)



9'2" X 7' (2790 X 2130)

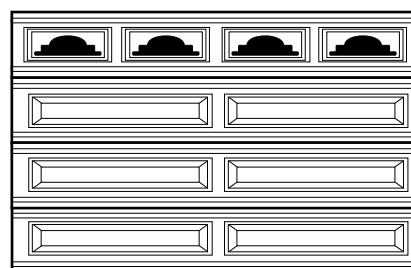


12'2" X 7' (3710 X 2130)

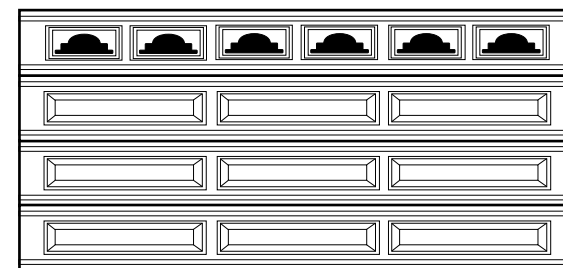


17'2" X 7' (5230 X 2130)

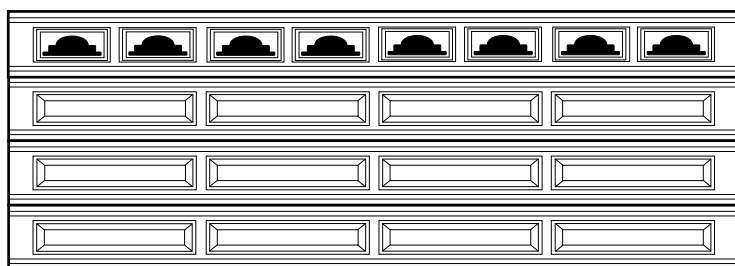
(STRETCHED 16')



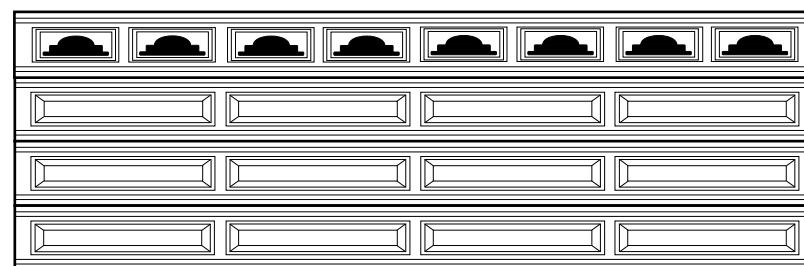
10'2" X 7' (3100 X 2130)



14'2" X 7' (4320 X 2130)

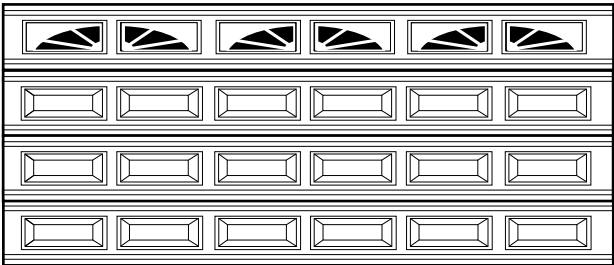


18'2" X 7' (5540 X 2130)

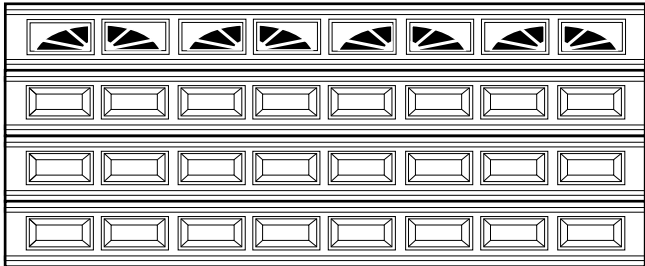


20'2" X 7' (6150 X 2130)

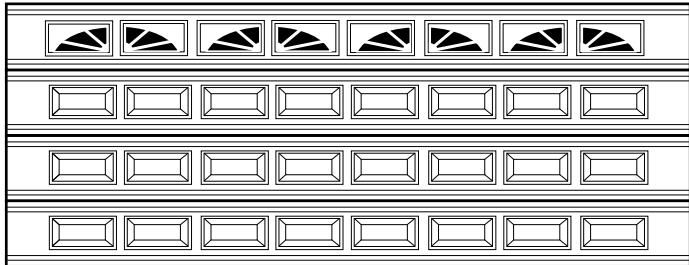
(HO) Horizon Window Examples



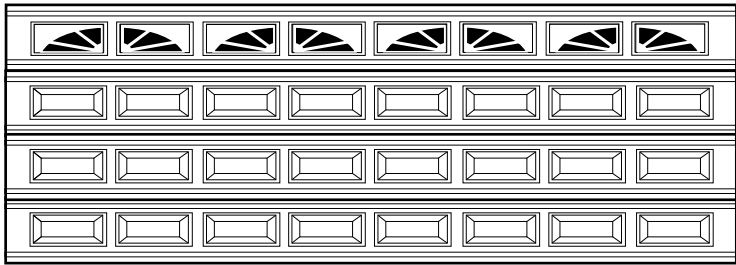
15'2" X 7' (4620 X 2130)



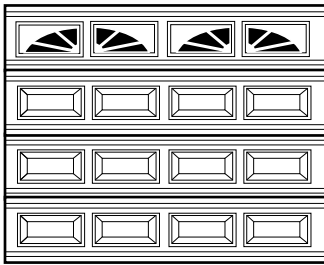
16'2" X 7' (4930 X 2130)



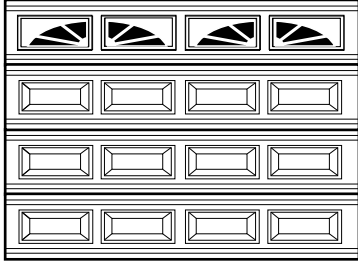
17'2" X 7' (5230 X 2130) (STRETCHED 16')



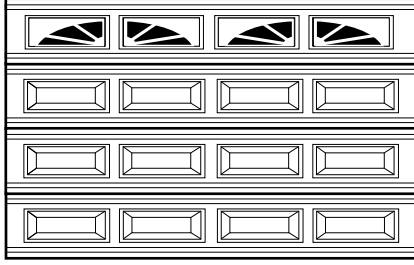
18'2" X 7' (5540 X 2130)



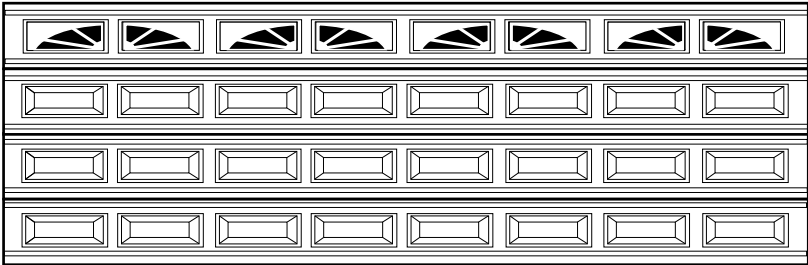
8'2" X 7' (2490 X 2130)



9'2" X 7' (2790 X 2130)



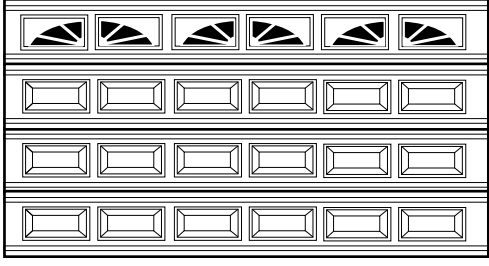
10'2" X 7' (3100 X 2130)



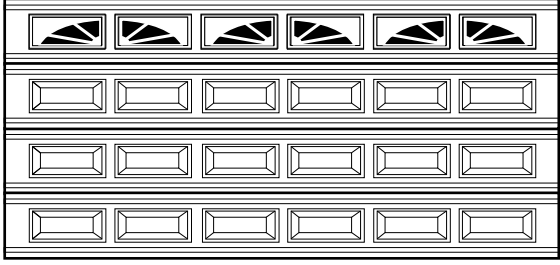
20'2" X 7' (6150 X 2130)



7'8" X 7' (2340 X 2130)

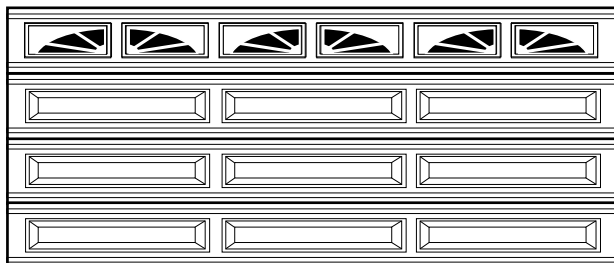


12'2" X 7' (3710 X 2130)

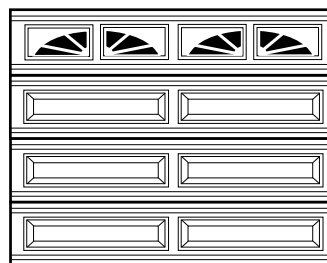


14'2" X 7' (4320 X 2130)

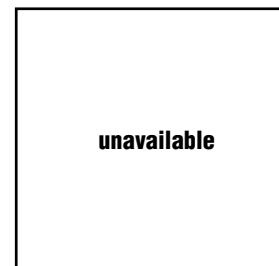
(HO) Horizon Window Examples



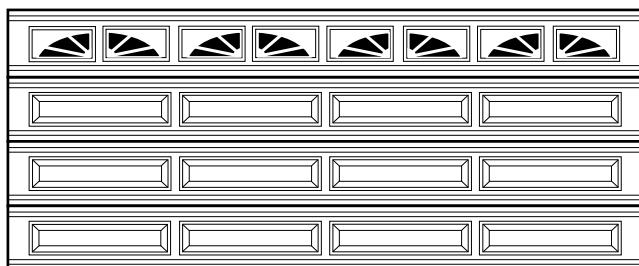
15'2" X 7' (4620 X 2130)



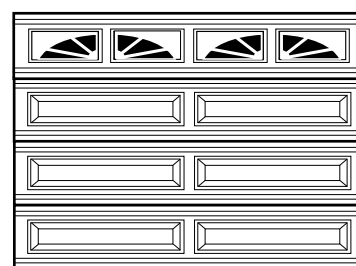
8'2" X 7' (2490 X 2130)



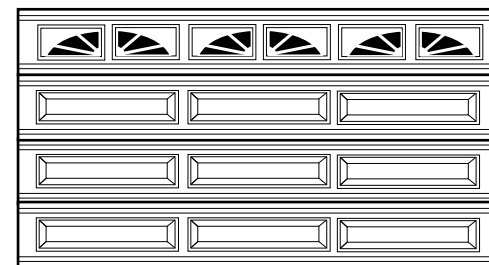
7'8" X 7' (2340 X 2130)



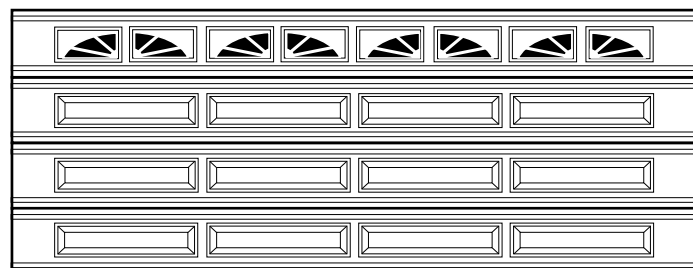
16'2" X 7' (4930 X 2130)



9'2" X 7' (2790 X 2130)

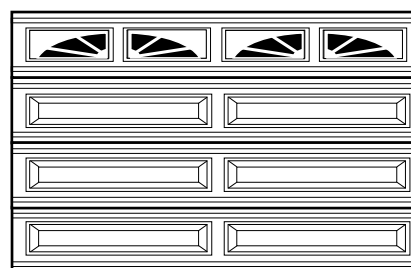


12'2" X 7' (3710 X 2130)

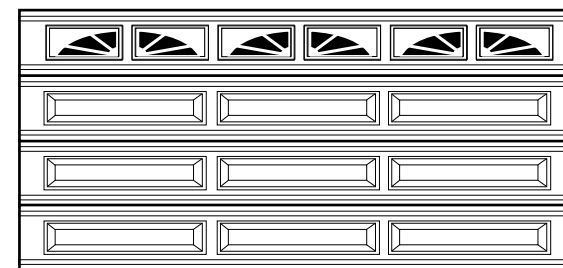


17'2" X 7' (5230 X 2130)

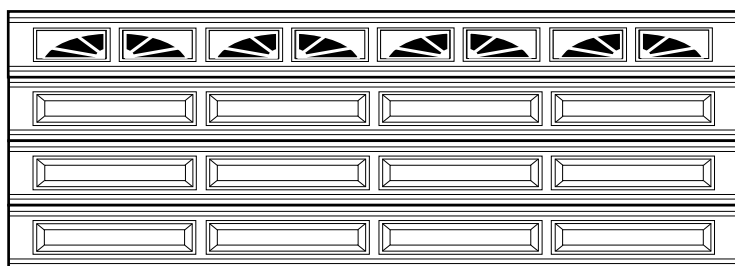
(STRETCHED 16')



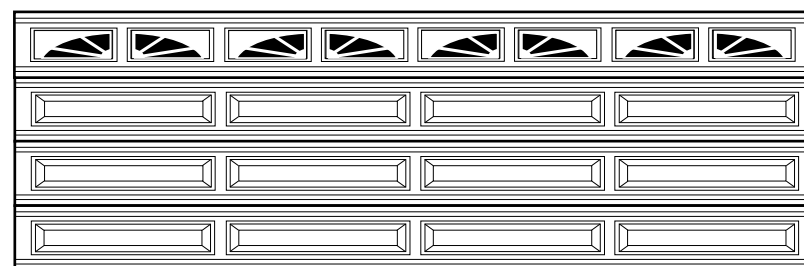
10'2" X 7' (3100 X 2130)



14'2" X 7' (4320 X 2130)

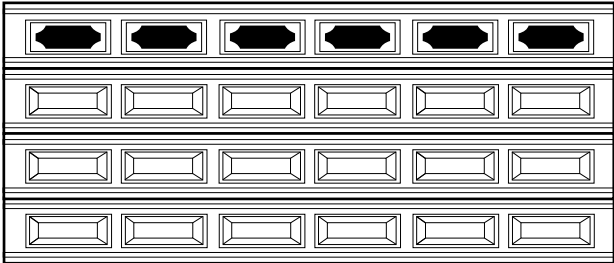


18'2" X 7' (5540 X 2130)

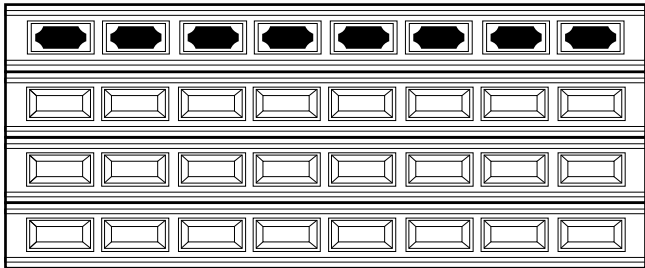


20'2" X 7' (6150 X 2130)

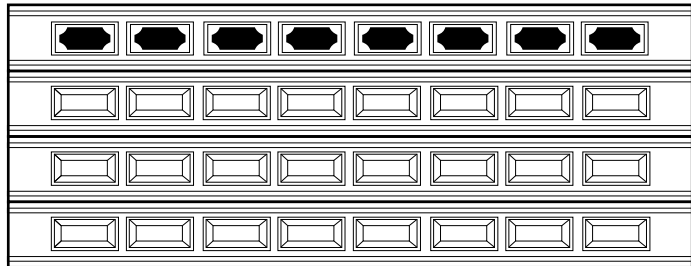
(ME) Mediterranean Short Window Examples



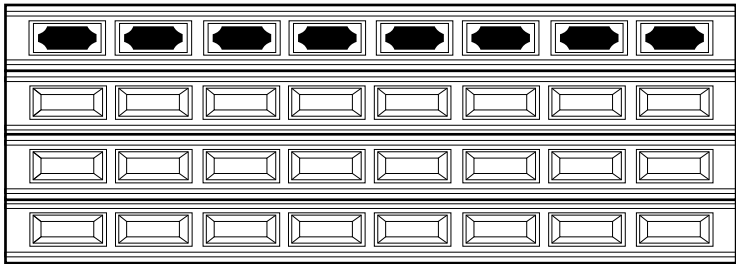
15'2" X 7' (4620 X 2130)



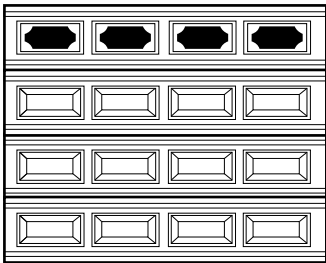
16'2" X 7' (4930 X 2130)



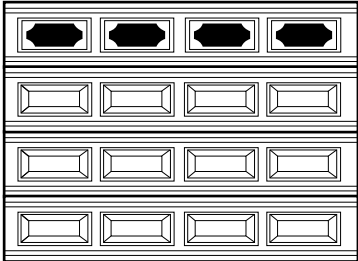
17'2" X 7' (5230 X 2130) (Stretched 16')



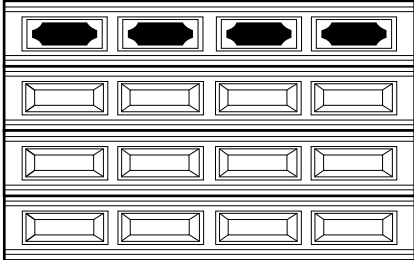
18'2" X 7' (5540 X 2130)



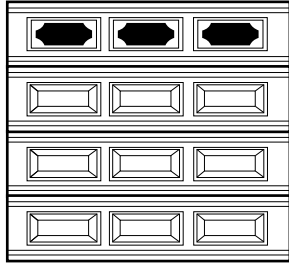
8'2" X 7' (2490 X 2130)



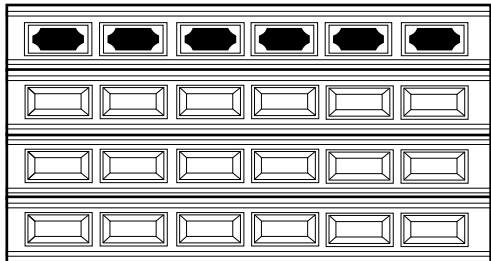
9'2" X 7' (2790 X 2130)



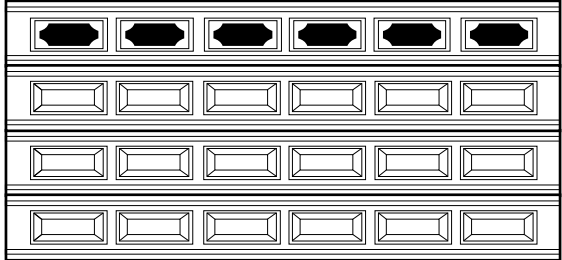
10'2" X 7' (3100 X 2130)



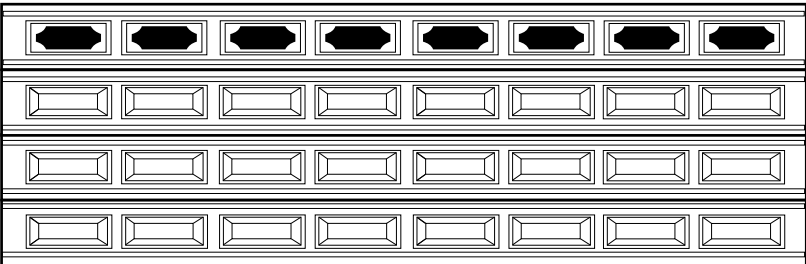
7'8" X 7' (2340 X 2130)



12'2" X 7' (3710 X 2130)

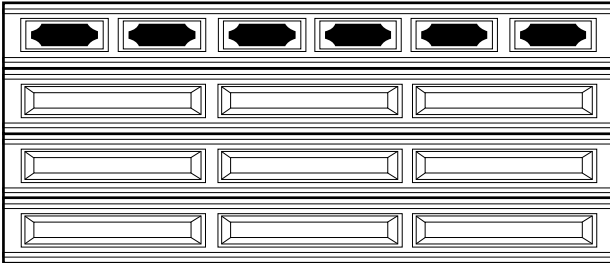


14'2" X 7' (4320 X 2130)

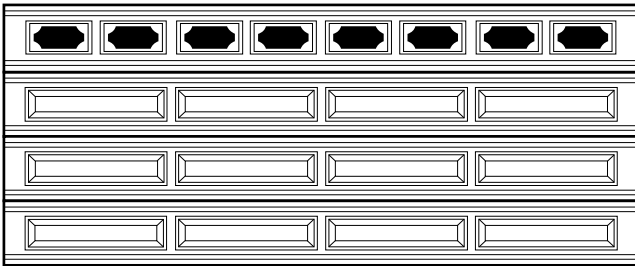


20'2" X 7' (6150 X 2130)

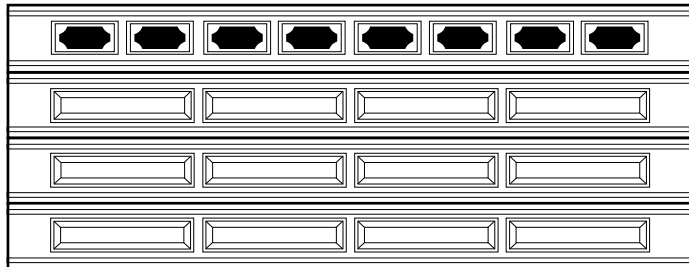
(ME) Mediterranean Short Window Examples



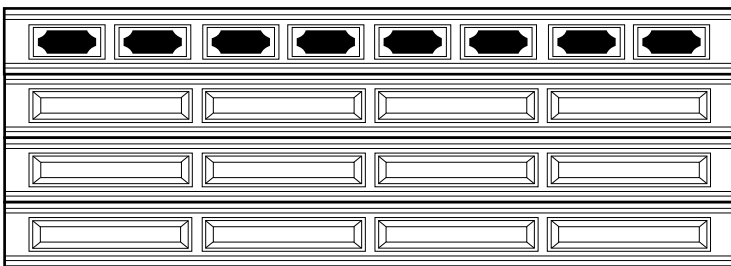
15'2" X 7' (4620 X 2130)



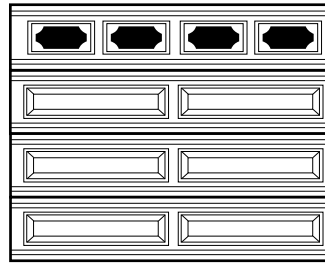
16'2" X 7' (4930 X 2130)



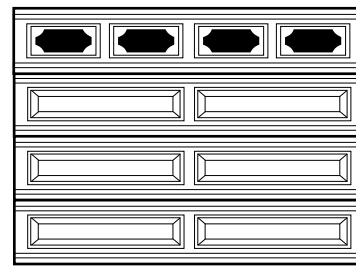
17'2" X 7' (5230 X 2130) (STRETCHED 16')



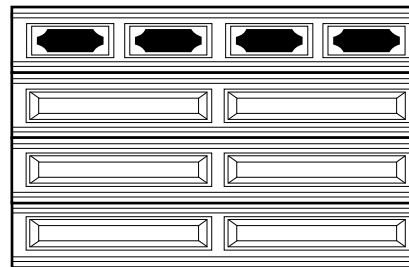
18'2" X 7' (5540 X 2130)



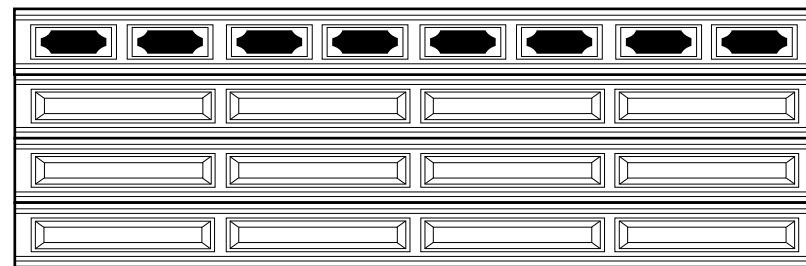
8'2" X 7' (2490 X 2130)



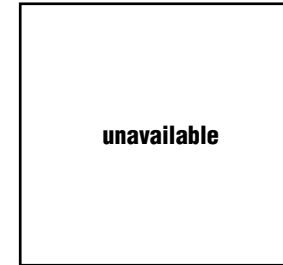
9'2" X 7' (2790 X 2130)



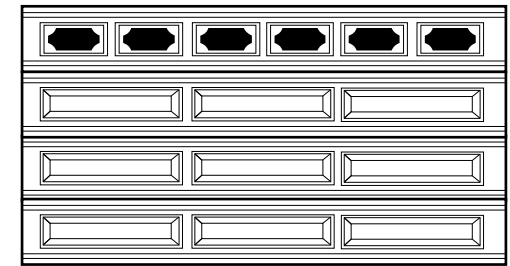
10'2" X 7' (3100 X 2130)



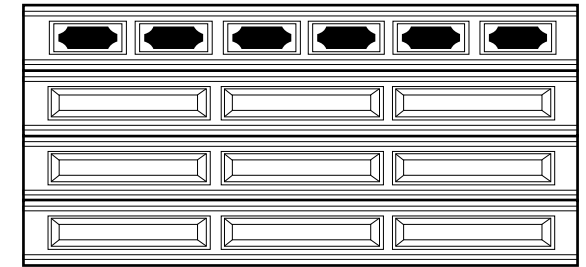
20'2" X 7' (6150 X 2130)



7'8" X 7' (2340 X 2130)

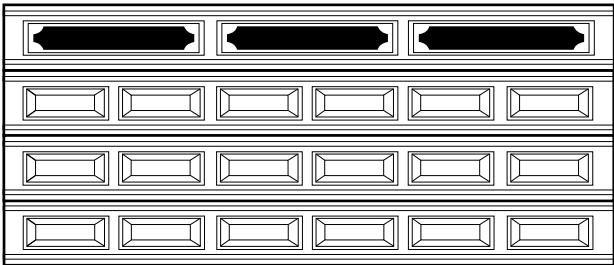


12'2" X 7' (3710 X 2130)

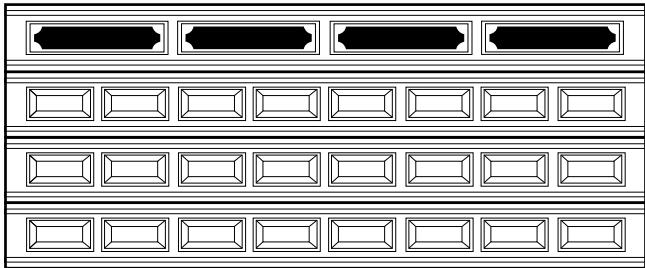


14'2" X 7' (4320 X 2130)

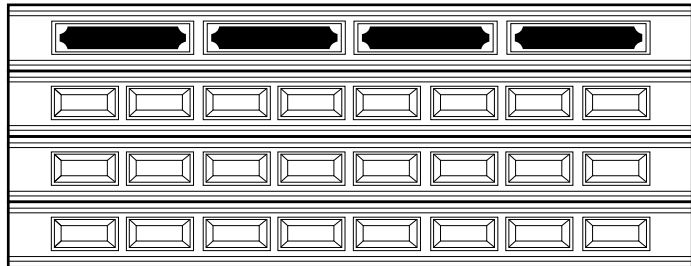
(MR) Mediterranean Long Window Examples



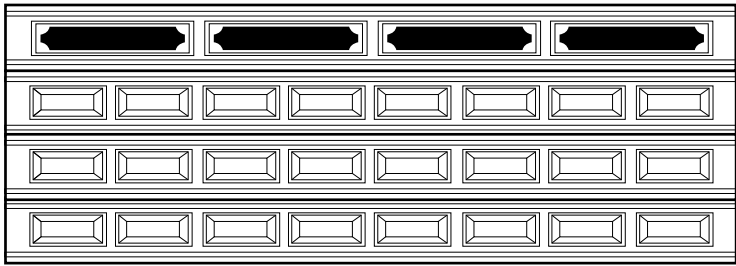
15'2" X 7' (4620 X 2130)



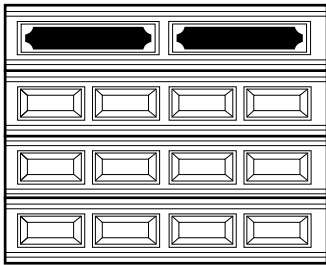
16'2" X 7' (4930 X 2130)



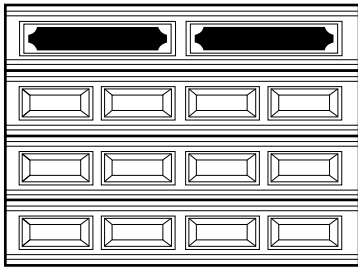
17'2" X 7' (5230 X 2130) (STRETCHED 16')



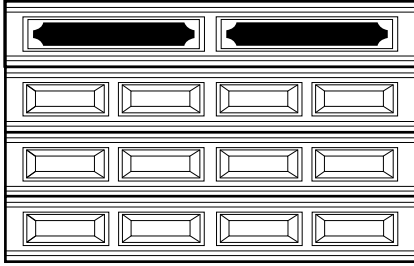
18'2" X 7' (5540 X 2130)



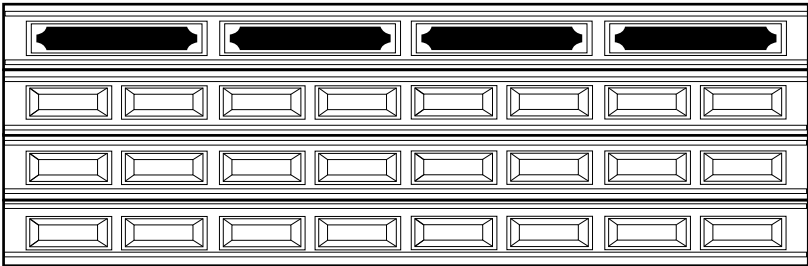
8'2" X 7' (2490 X 2130)



9'2" X 7' (2790 X 2130)



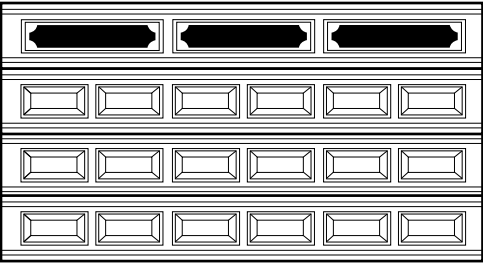
10'2" X 7' (3100 X 2130)



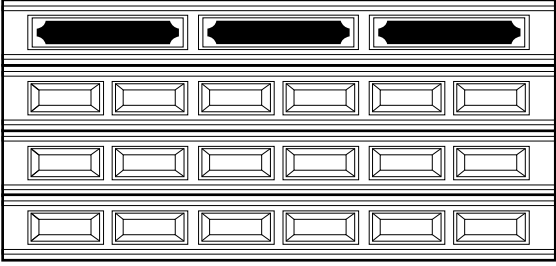
20'2" X 7' (6150 X 2130)



7'8" X 7' (2340 X 2130)

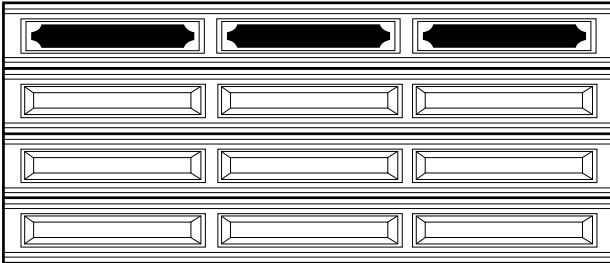


12'2" X 7' (3710 X 2130)

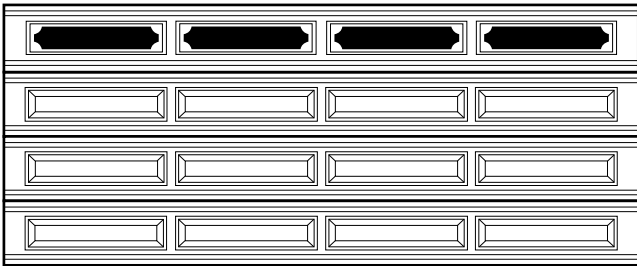


14'2" X 7' (4320 X 2130)

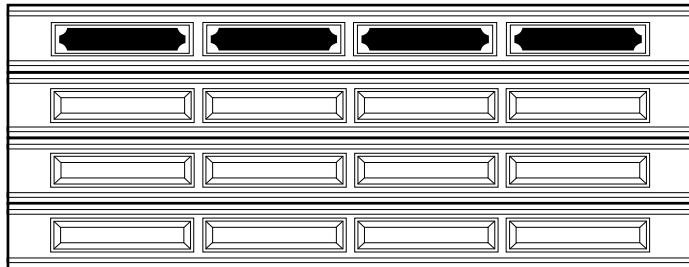
(MR) Mediterranean Long Window Examples



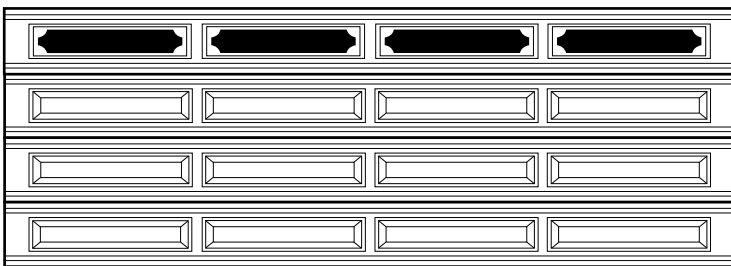
15'2" X 7' (4620 X 2130)



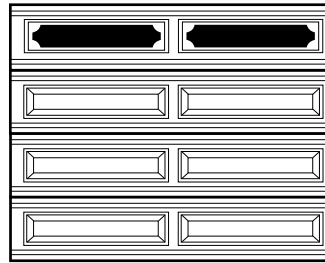
16'2" X 7' (4930 X 2130)



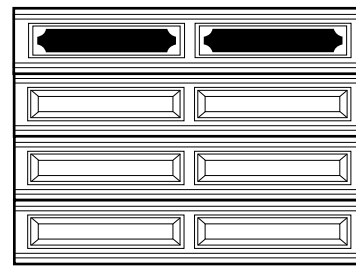
17'2" X 7' (5230 X 2130) (STRETCHED 16')



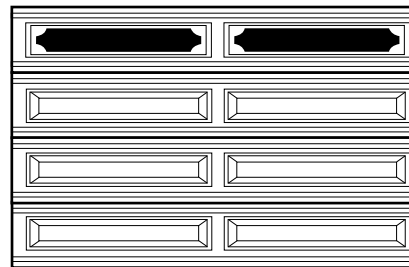
18'2" X 7' (5540 X 2130)



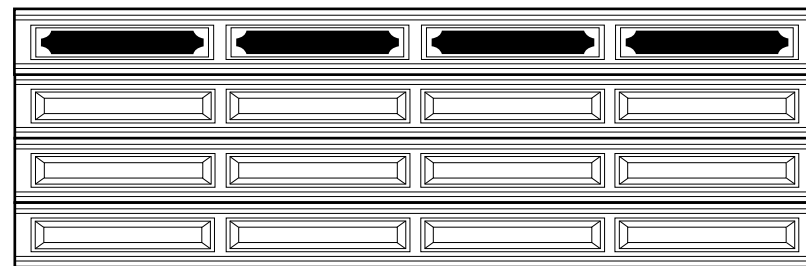
8'2" X 7' (2490 X 2130)



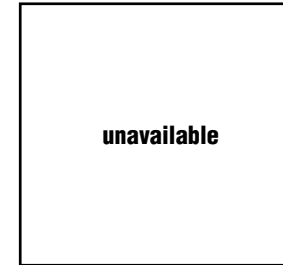
9'2" X 7' (2790 X 2130)



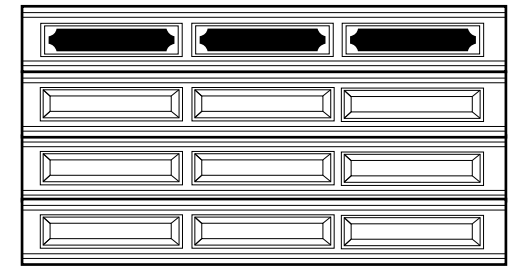
10'2" X 7' (3100 X 2130)



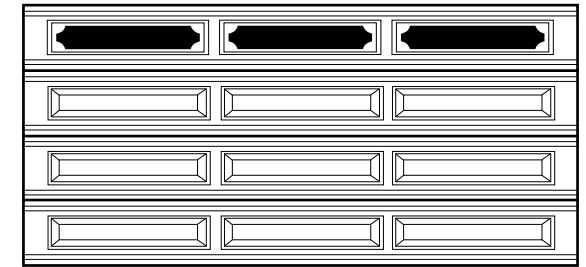
20'2" X 7' (6150 X 2130)



7'8" X 7' (2340 X 2130)

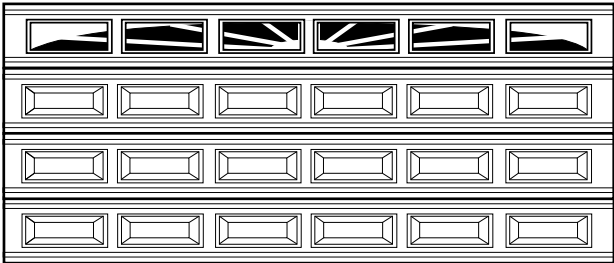


12'2" X 7' (3710 X 2130)

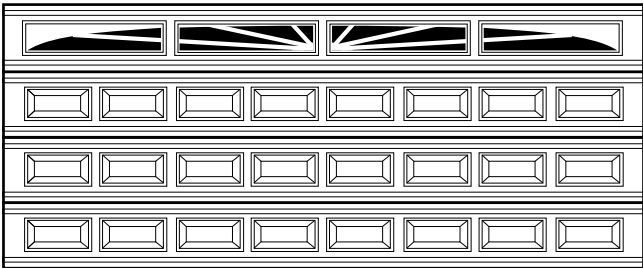


14'2" X 7' (4320 X 2130)

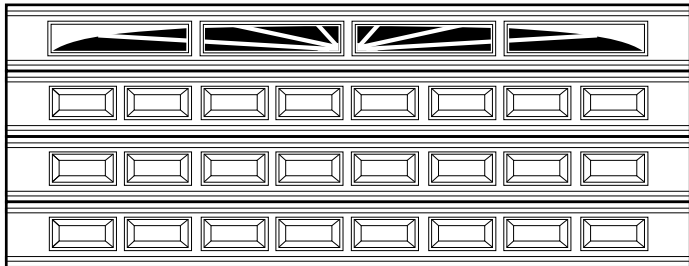
(DA4) Dawn 4 Window Examples & (DA6) Dawn 6 Window Examples



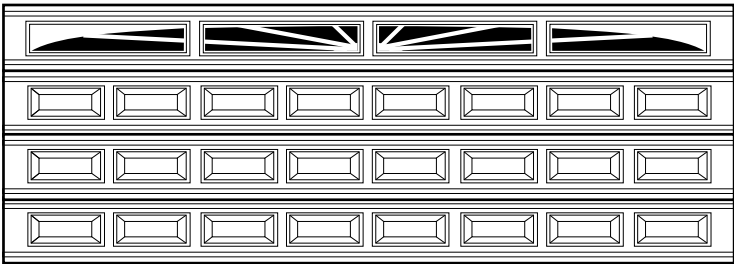
15'2" X 7' (4620 X 2130)



16'2" X 7' (4930 X 2130)



17'2" X 7' (5230 X 2130) (STRETCHED 16')



18'2" X 7' (5540 X 2130)



8'2" X 7' (2490 X 2130)



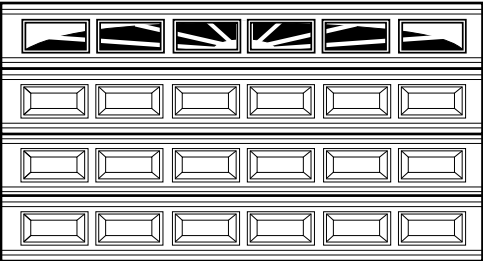
9'2" X 7' (2790 X 2130)



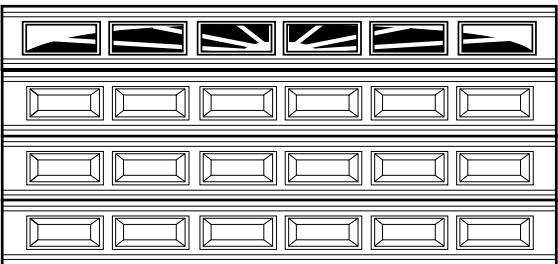
10'2" X 7' (3100 X 2130)



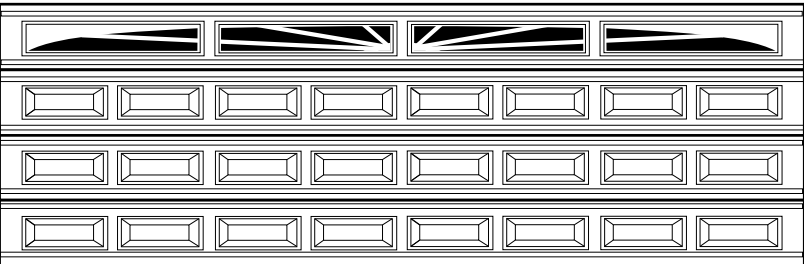
7'8" X 7' (2340 X 2130)



12'2" X 7' (3710 X 2130)

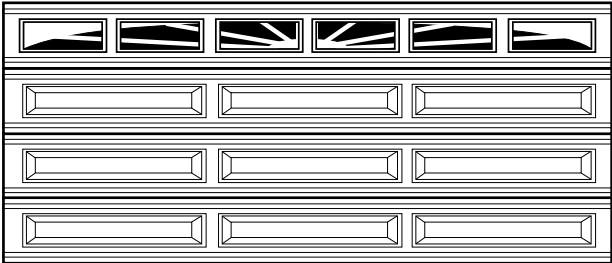


14'2" X 7' (4320 X 2130)

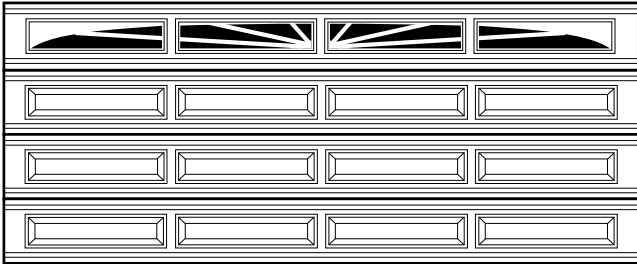


20'2" X 7' (6150 X 2130)

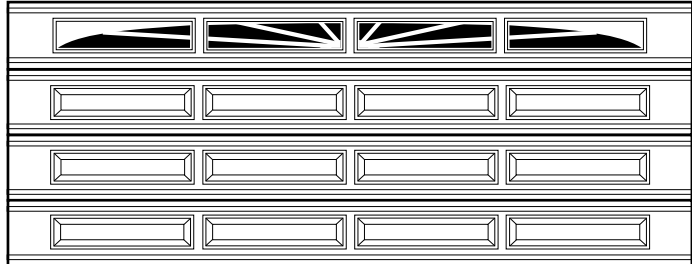
(DA4) Dawn 4 Window Examples & (DA6) Dawn 6 Window Examples



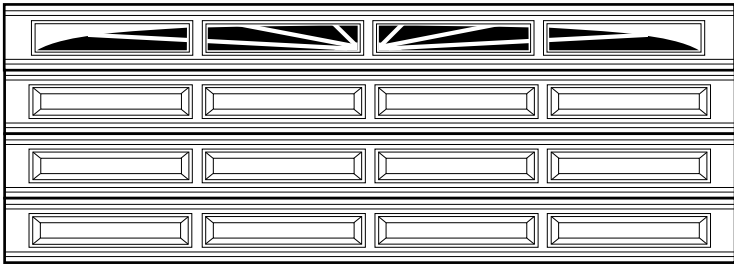
15'2" X 7' (4620 X 2130)



16'2" X 7' (4930 X 2130)



17'2" X 7' (5230 X 2130) (STRETCHED 16')



18'2" X 7' (5540 X 2130)



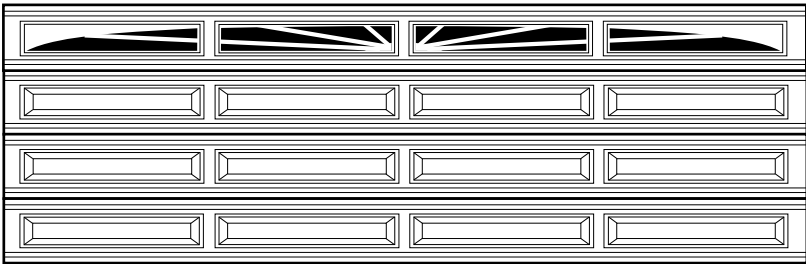
8'2" X 7' (2490 X 2130)



9'2" X 7' (2790 X 2130)



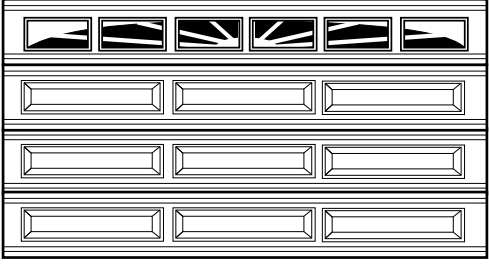
10'2" X 7' (3100 X 2130)



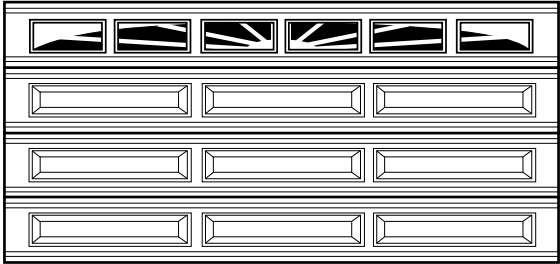
20'2" X 7' (6150 X 2130)



7'8" X 7' (2340 X 2130)

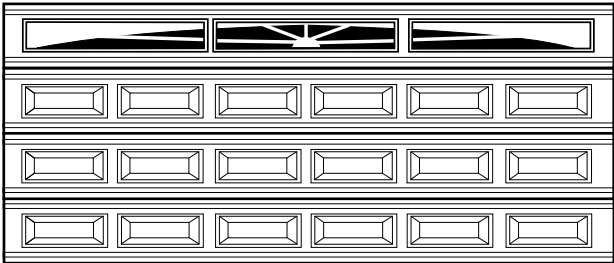


12'2" X 7' (3710 X 2130)

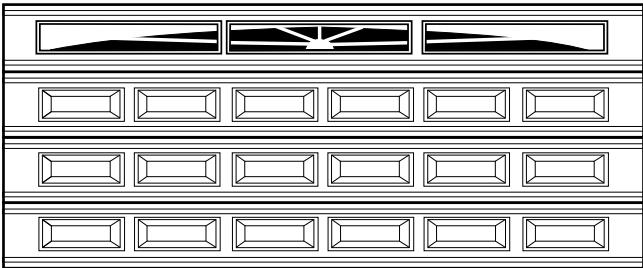


14'2" X 7' (4320 X 2130)

(DA3) Dawn 3 Window Examples



15'2" X 7' (4620 X 2130)



16'2" X 7' (4930 X 2130) (STRETCHED 15')



17'2" X 7' (5230 X 2130)



18'2" X 7' (5540 X 2130)



8'2" X 7' (2490 X 2130)



9'2" X 7' (2790 X 2130)



10'2" X 7' (3100 X 2130)



20'2" X 7' (6150 X 2130)



7'8" X 7' (2340 X 2130)

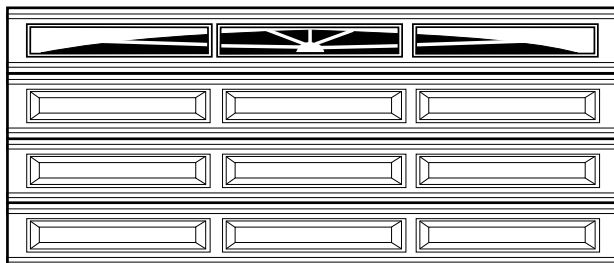


12'2" X 7' (3710 X 2130)

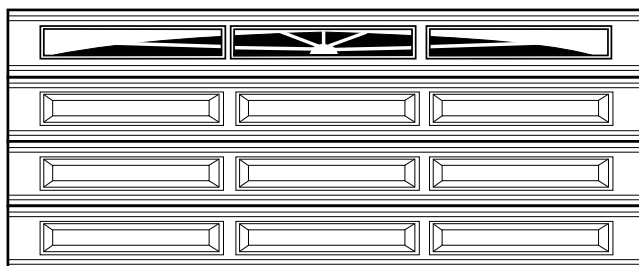


14'2" X 7' (4320 X 2130)

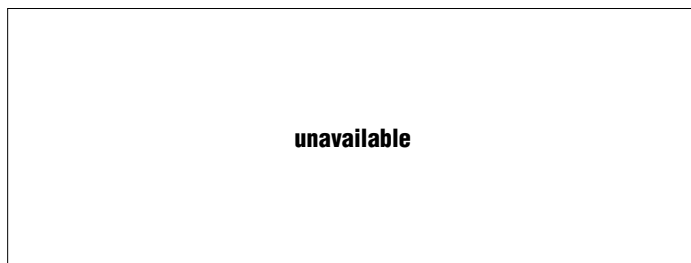
(DA3) Dawn 3 Window Examples



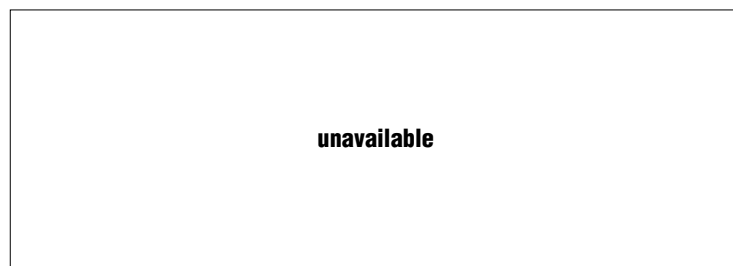
15'2" X 7' (4620 X 2130)



16'2" X 7' (4930 X 2130) (STRETCHED 15')



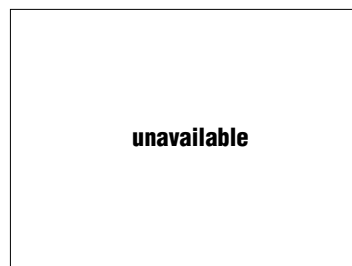
17'2" X 7' (5230 X 2130)



18'2" X 7' (5540 X 2130)



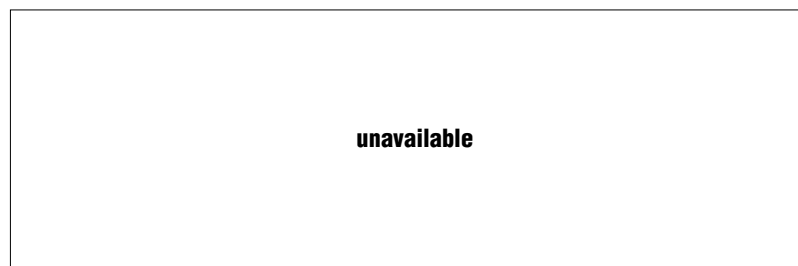
8'2" X 7' (2490 X 2130)



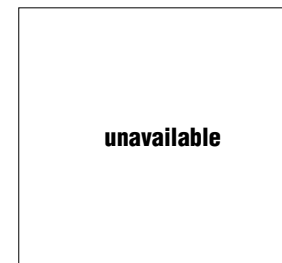
9'2" X 7' (2790 X 2130)



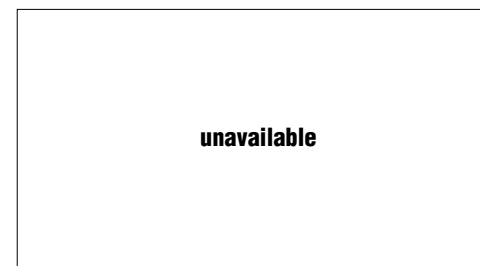
10'2" X 7' (3100 X 2130)



20'2" X 7' (6150 X 2130)



7'8" X 7' (2340 X 2130)

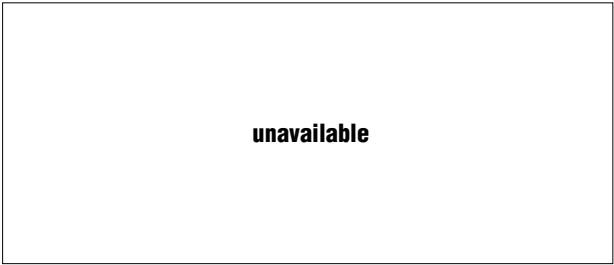


12'2" X 7' (3710 X 2130)

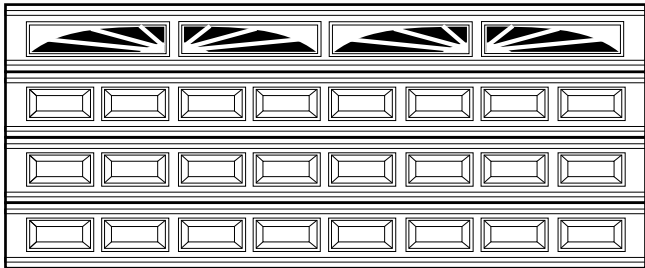


14'2" X 7' (4320 X 2130)

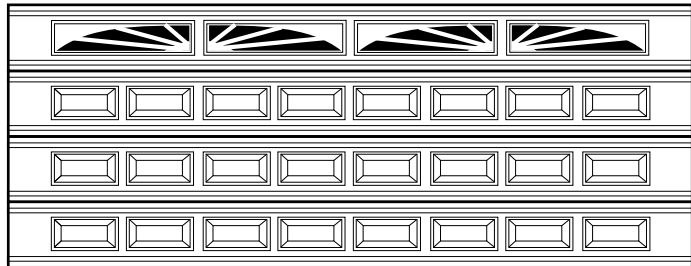
(SU) Sunset Long Window Examples



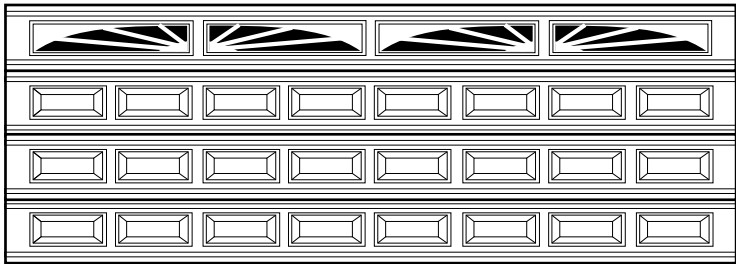
15'2" X 7' (4620 X 2130)



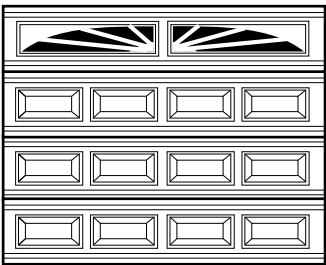
16'2" X 7' (4930 X 2130)



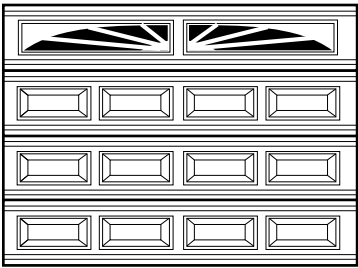
17'2" X 7' (5230 X 2130) (STRETCHED 16')



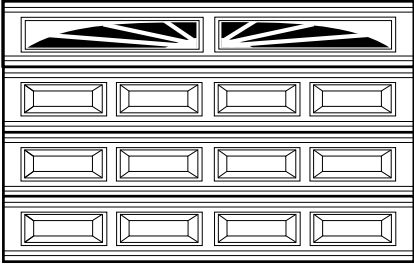
18'2" X 7' (5540 X 2130)



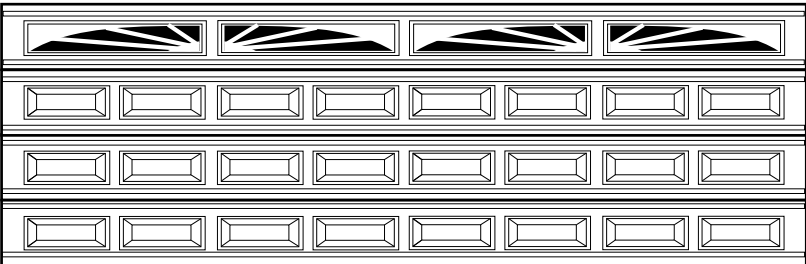
8'2" X 7' (2490 X 2130)



9'2" X 7' (2790 X 2130)



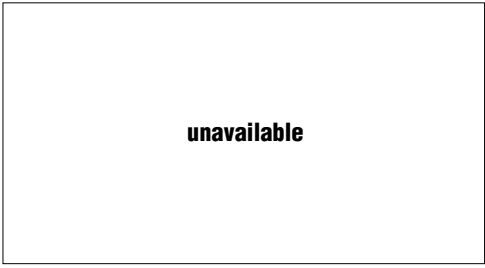
10'2" X 7' (3100 X 2130)



20'2" X 7' (6150 X 2130)



7'8" X 7' (2340 X 2130)

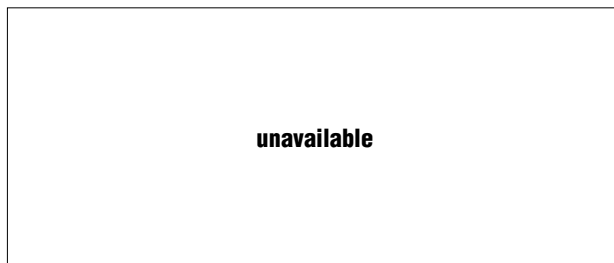


12'2" X 7' (3710 X 2130)

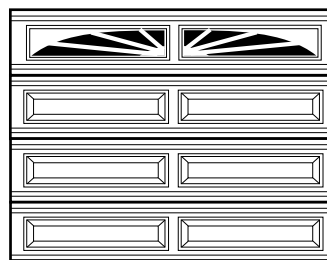


14'2" X 7' (4320 X 2130)

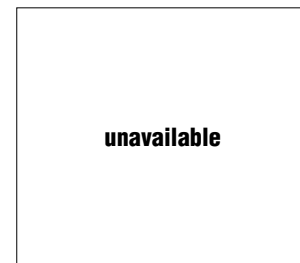
(SU) Sunset Long Window Examples



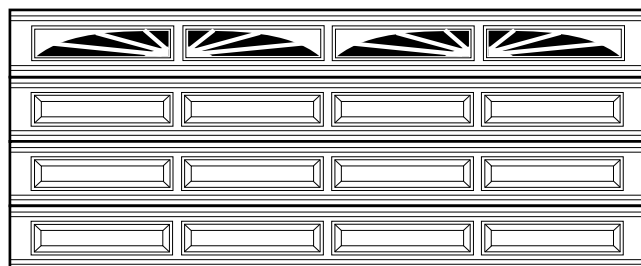
15'2" X 7' (4620 X 2130)



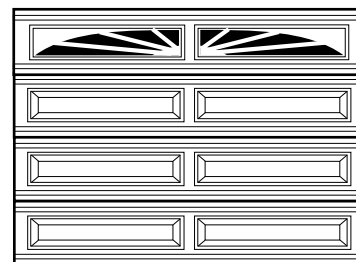
8'2" X 7' (2490 X 2130)



7'8" X 7' (2340 X 2130)



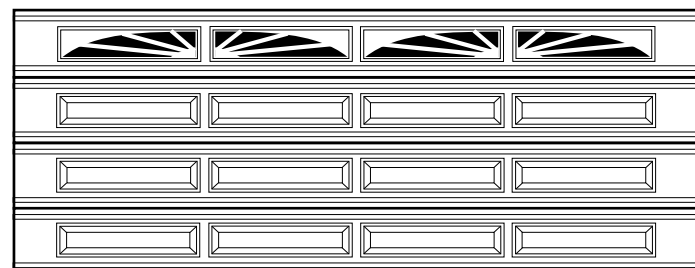
16'2" X 7' (4930 X 2130)



9'2" X 7' (2790 X 2130)

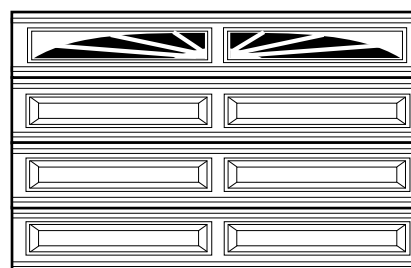


12'2" X 7' (3710 X 2130)



17'2" X 7' (5230 X 2130)

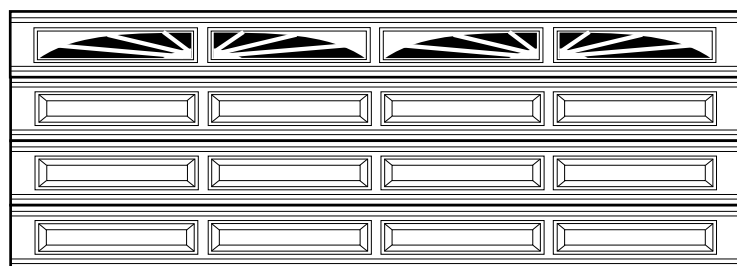
(STRETCHED 16')



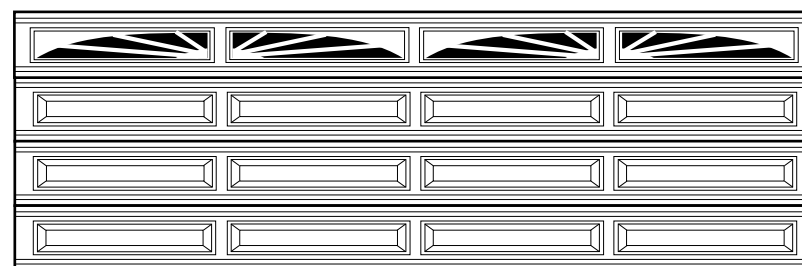
10'2" X 7' (3100 X 2130)



14'2" X 7' (4320 X 2130)

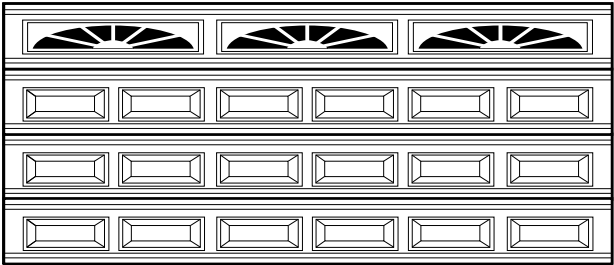


18'2" X 7' (5540 X 2130)

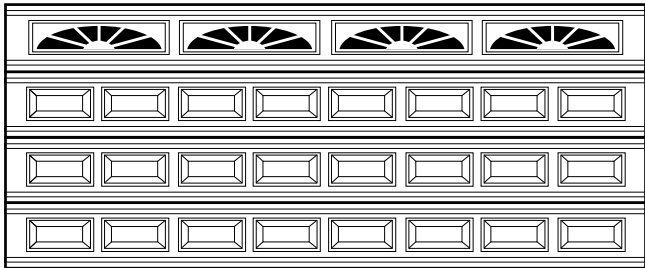


20'2" X 7' (6150 X 2130)

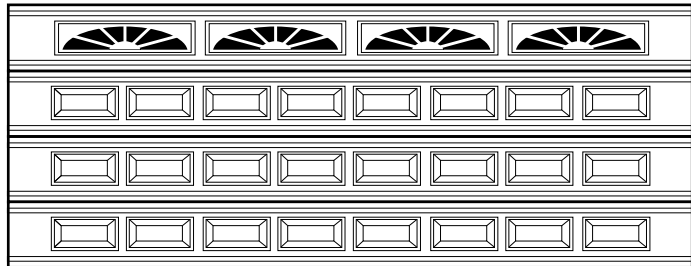
(SH) Sherwood Long Window Examples



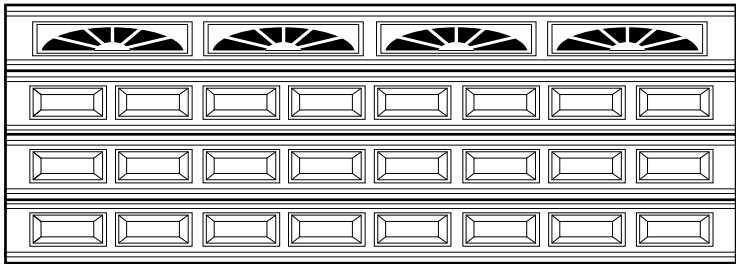
15'2" X 7' (4620 X 2130)



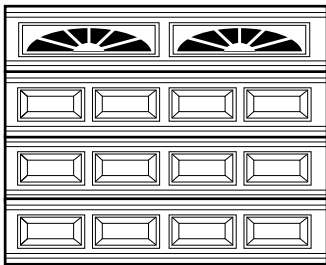
16'2" X 7' (4930 X 2130)



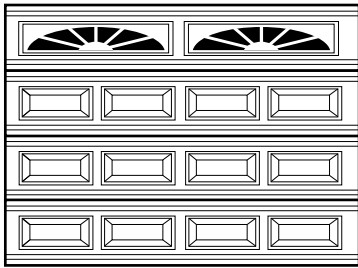
17'2" X 7' (5230 X 2130) (STRETCHED 16')



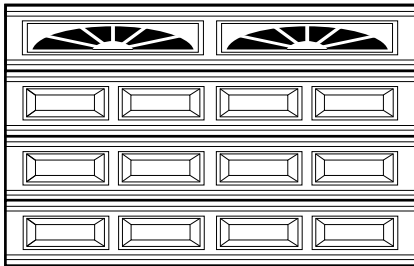
18'2" X 7' (5540 X 2130)



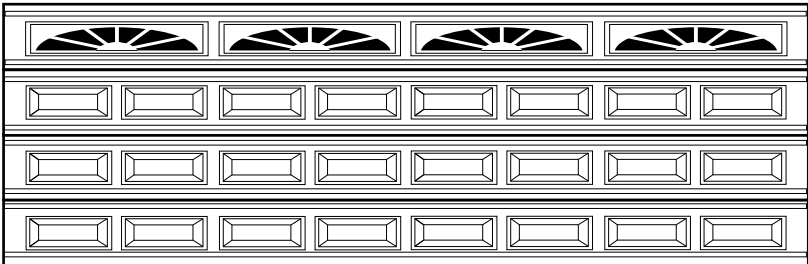
8'2" X 7' (2490 X 2130)



9'2" X 7' (2790 X 2130)



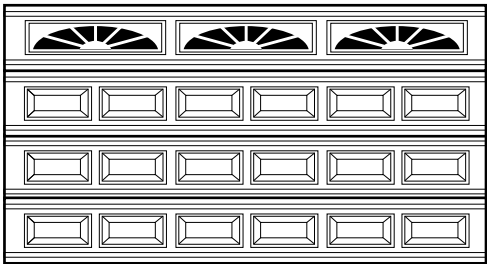
10'2" X 7' (3100 X 2130)



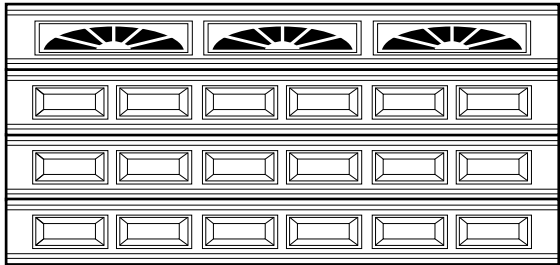
20'2" X 7' (6150 X 2130)



7'8" X 7' (2340 X 2130)

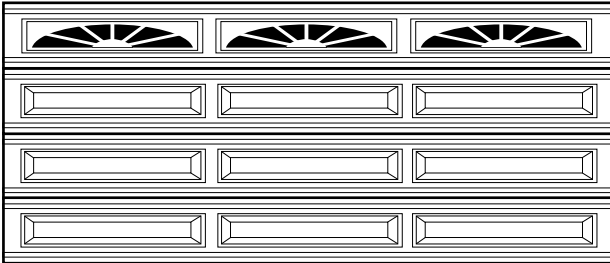


12'2" X 7' (3710 X 2130)

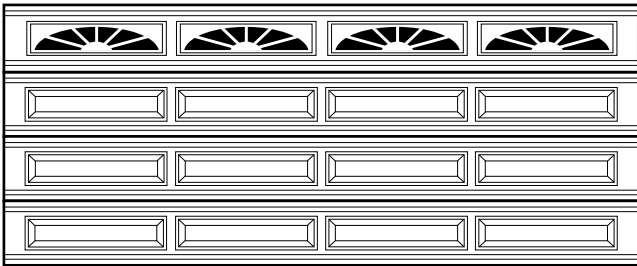


14'2" X 7' (4320 X 2130)

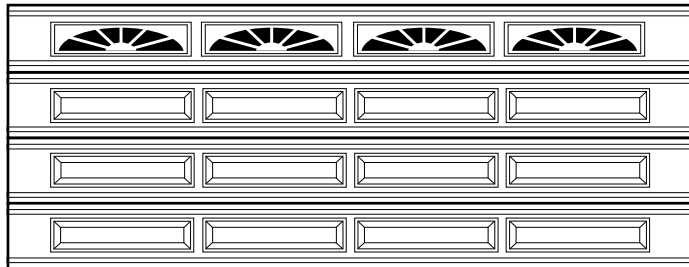
(SH) Sherwood Long Window Examples



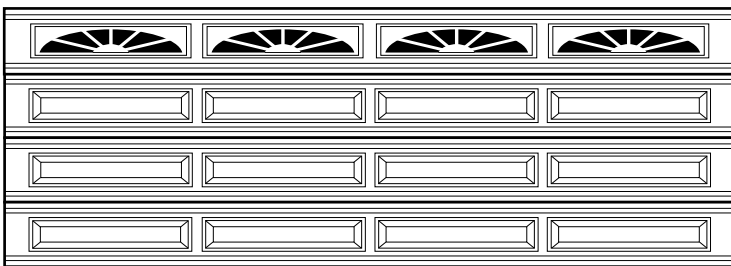
15'2" X 7' (4620 X 2130)



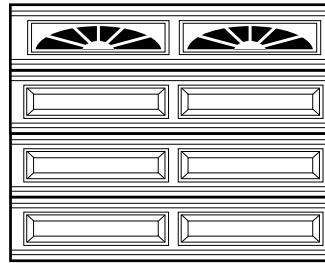
16'2" X 7' (4930 X 2130)



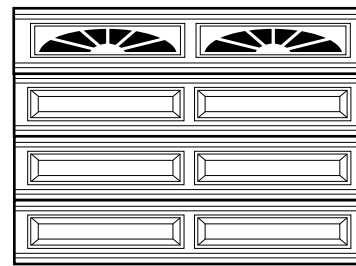
17'2" X 7' (5230 X 2130) (STRETCHED 16')



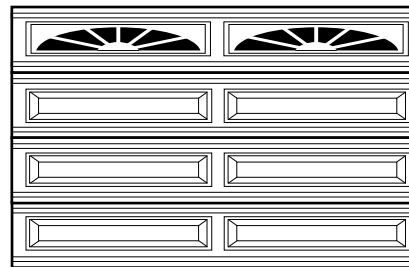
18'2" X 7' (5540 X 2130)



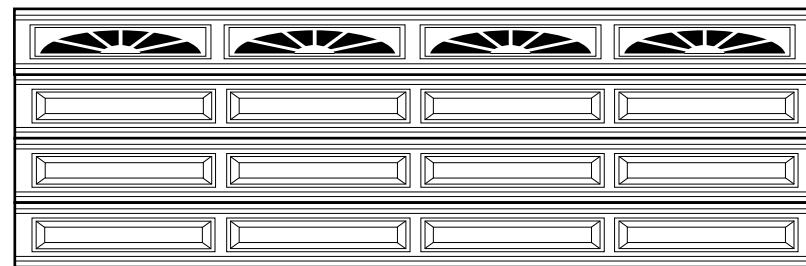
8'2" X 7' (2490 X 2130)



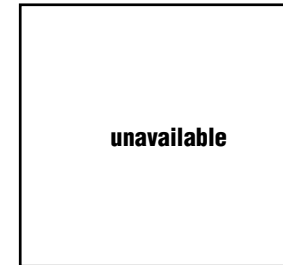
9'2" X 7' (2790 X 2130)



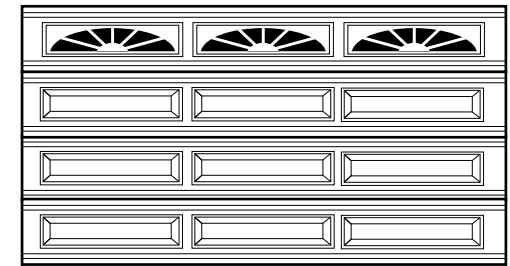
10'2" X 7' (3100 X 2130)



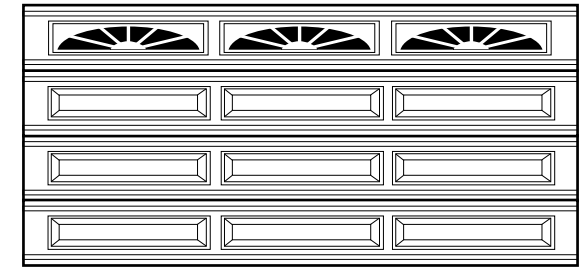
20'2" X 7' (6150 X 2130)



7'8" X 7' (2340 X 2130)

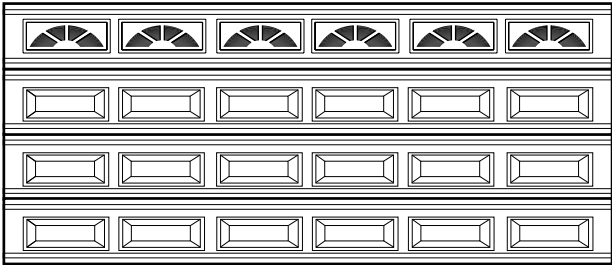


12'2" X 7' (3710 X 2130)

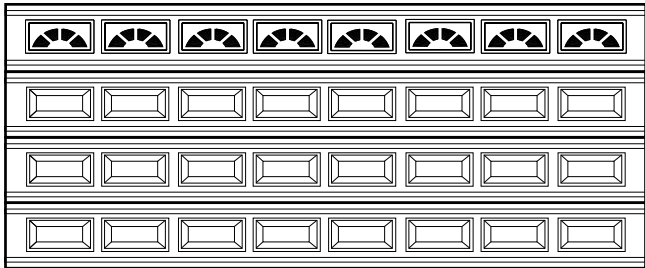


14'2" X 7' (4320 X 2130)

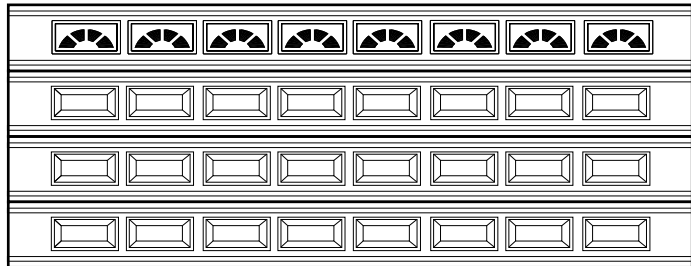
(SS) Sherwood Short Window Examples



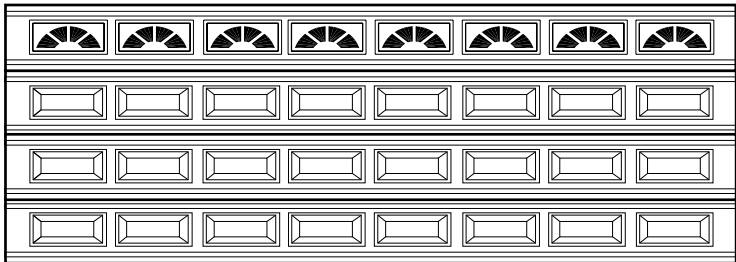
15'2" X 7' (4620 X 2130)



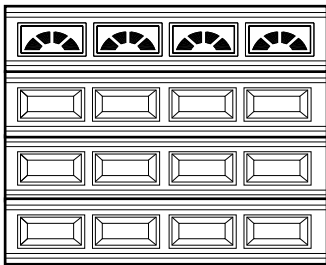
16'2" X 7' (4930 X 2130)



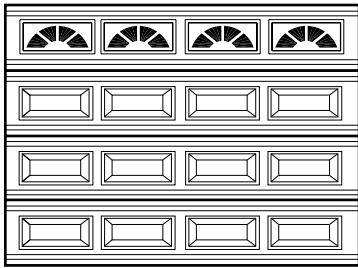
17'2" X 7' (5230 X 2130) (STRETCHED 16')



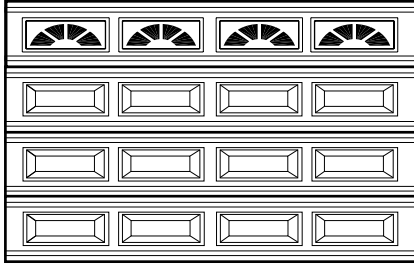
18'2" X 7' (5540 X 2130)



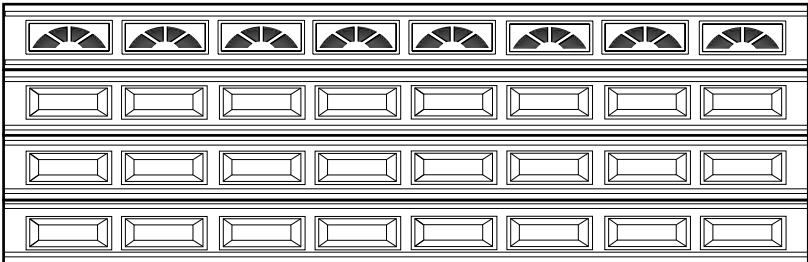
8'2" X 7' (2490 X 2130)



9'2" X 7' (2790 X 2130)



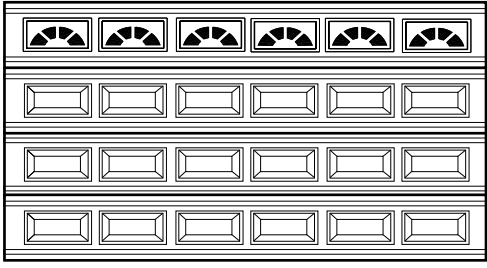
10'2" X 7' (3100 X 2130)



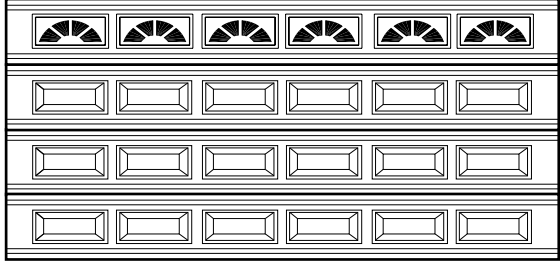
20'2" X 7' (6150 X 2130)



7'8" X 7' (2340 X 2130)

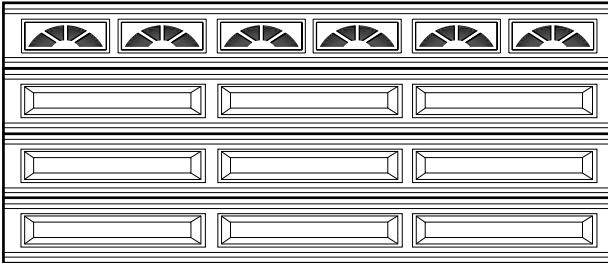


12'2" X 7' (3710 X 2130)

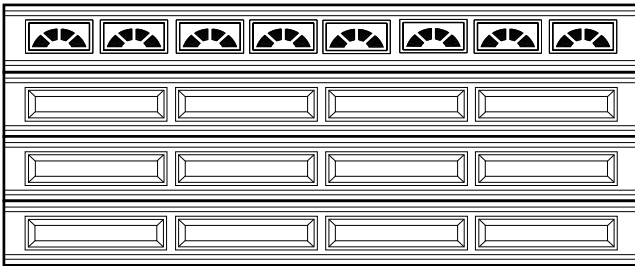


14'2" X 7' (4320 X 2130)

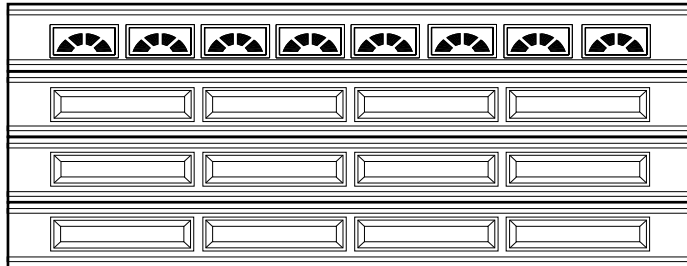
(SS) Sherwood Short Window Examples



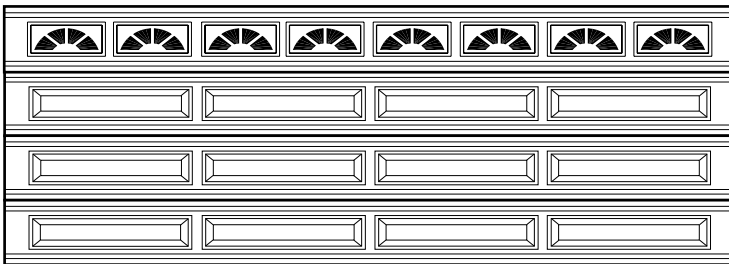
15'2" X 7' (4620 X 2130)



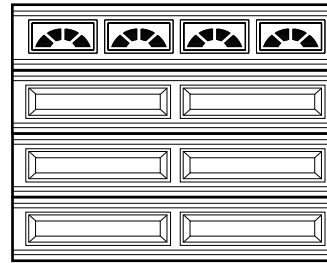
16'2" X 7' (4930 X 2130)



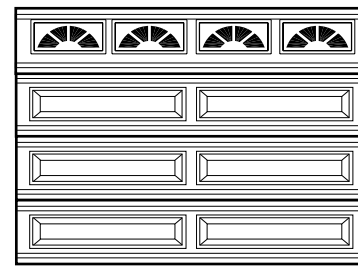
17'2" X 7' (5230 X 2130) (STRETCHED 16')



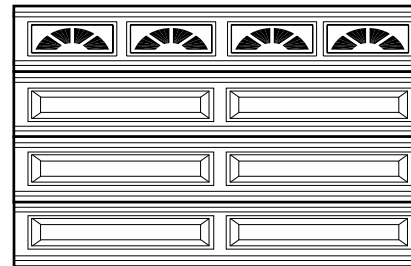
18'2" X 7' (5540 X 2130)



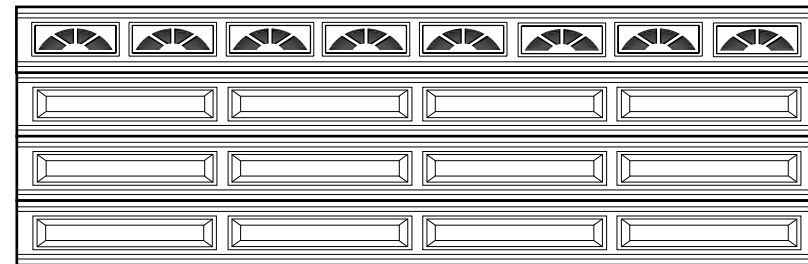
8'2" X 7' (2490 X 2130)



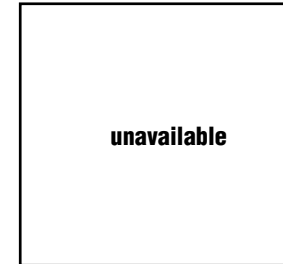
9'2" X 7' (2790 X 2130)



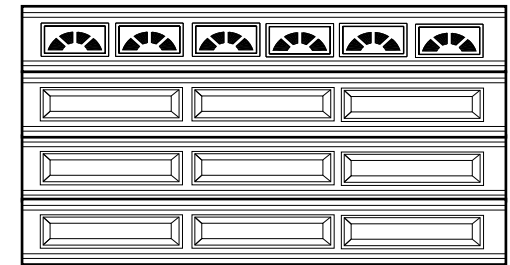
10'2" X 7' (3100 X 2130)



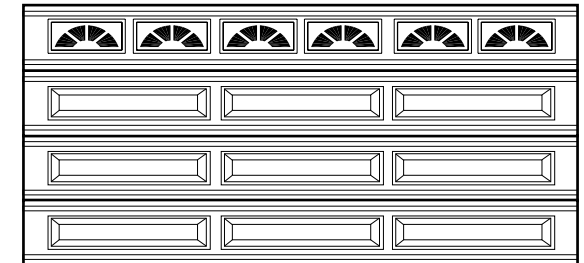
20'2" X 7' (6150 X 2130)



7'8" X 7' (2340 X 2130)

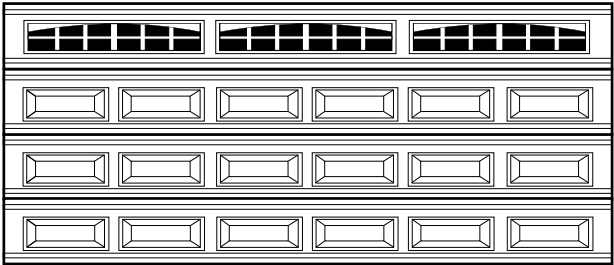


12'2" X 7' (3710 X 2130)

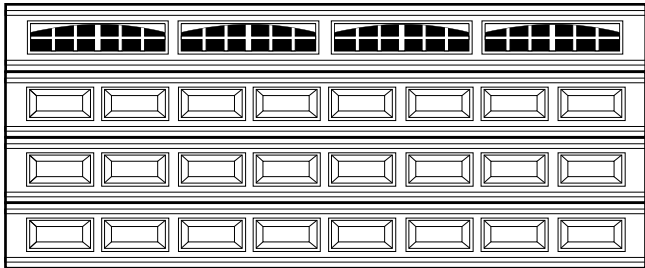


14'2" X 7' (4320 X 2130)

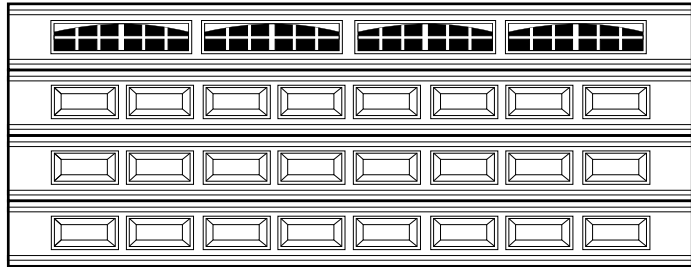
(VC) Victoria Window Examples



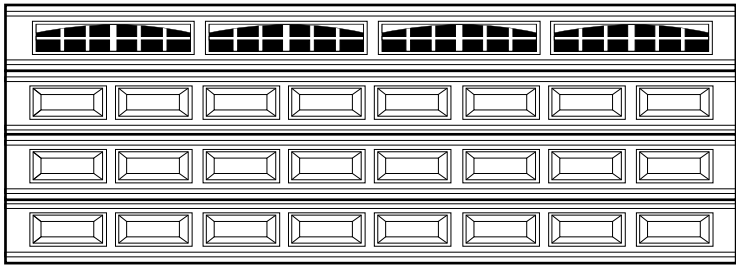
15'2" X 7' (4620 X 2130)



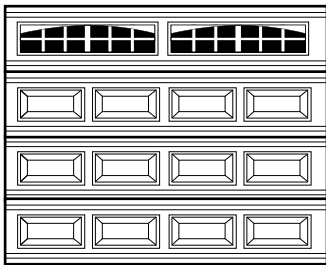
16'2" X 7' (4930 X 2130)



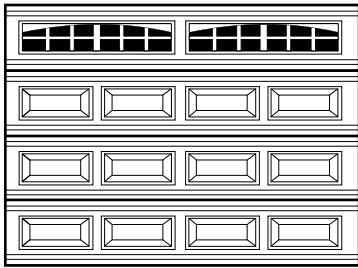
17'2" X 7' (5230 X 2130) (STRETCHED 16')



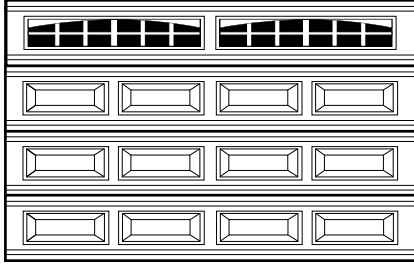
18'2" X 7' (5540 X 2130)



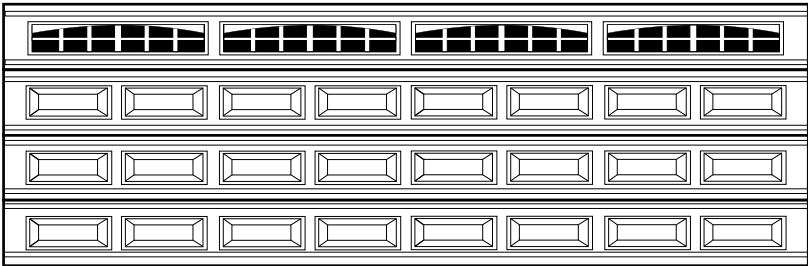
8'2" X 7' (2490 X 2130)



9'2" X 7' (2790 X 2130)



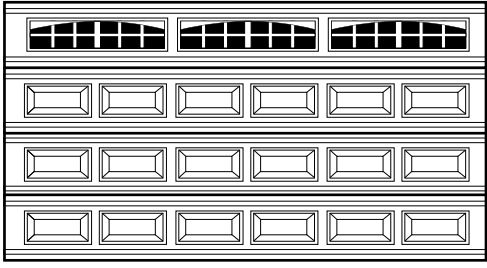
10'2" X 7' (3100 X 2130)



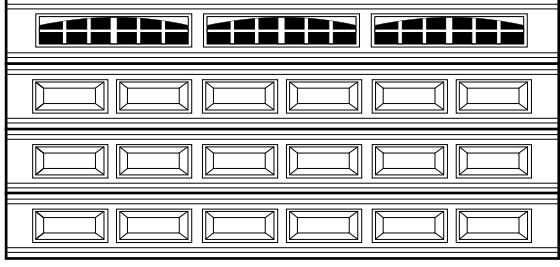
20'2" X 7' (6150 X 2130)



7'8" X 7' (2340 X 2130)

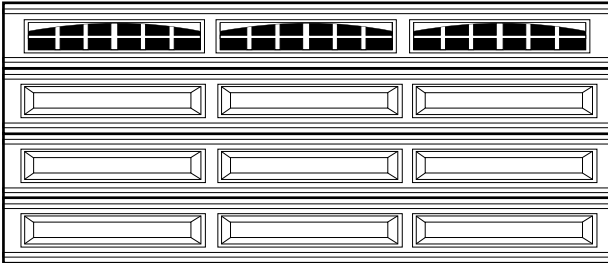


12'2" X 7' (3710 X 2130)

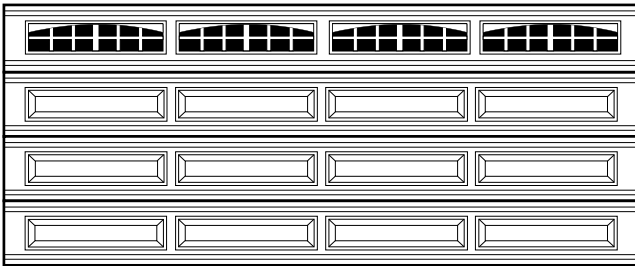


14'2" X 7' (4320 X 2130)

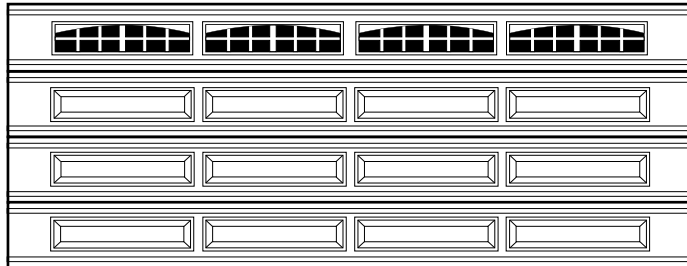
(VC) Victoria Window Examples



15'2" X 7' (4620 X 2130)

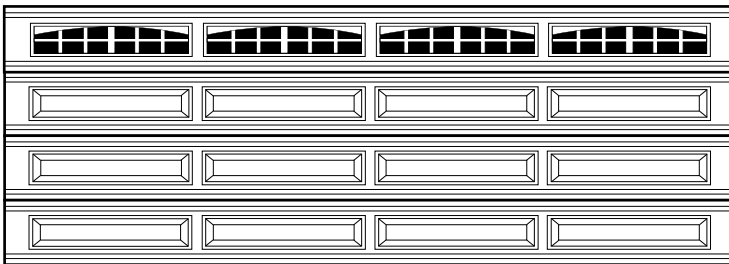


16'2" X 7' (4930 X 2130)

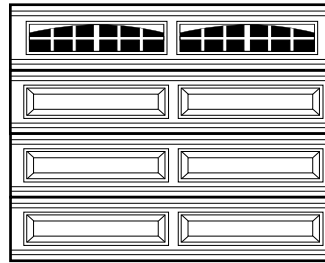


17'2" X 7' (5230 X 2130)

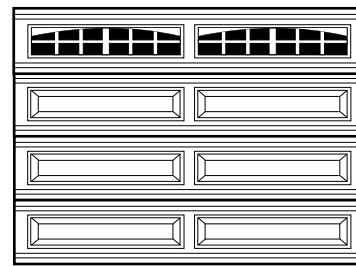
(STRETCHED 16')



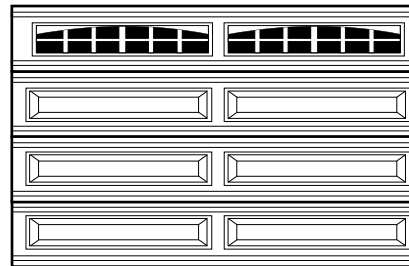
18'2" X 7' (5540 X 2130)



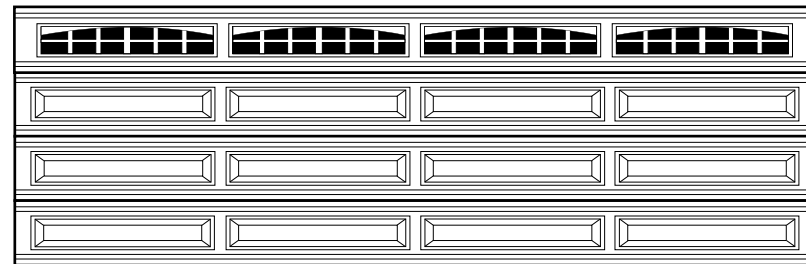
8'2" X 7' (2490 X 2130)



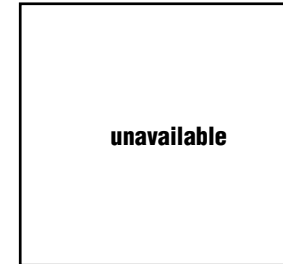
9'2" X 7' (2790 X 2130)



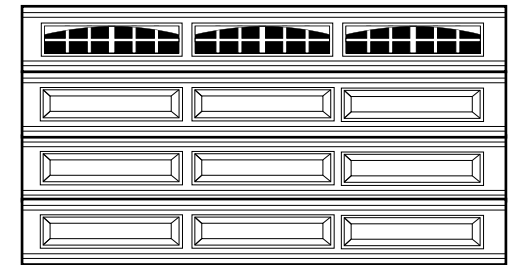
10'2" X 7' (3100 X 2130)



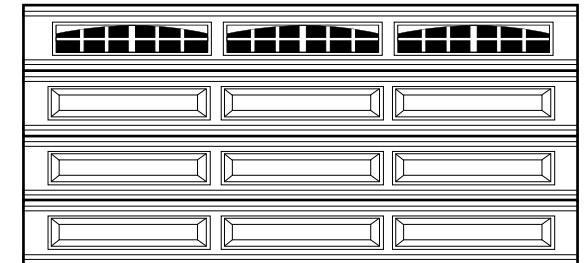
20'2" X 7' (6150 X 2130)



7'8" X 7' (2340 X 2130)

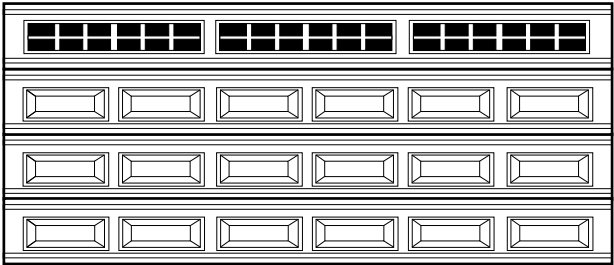


12'2" X 7' (3710 X 2130)

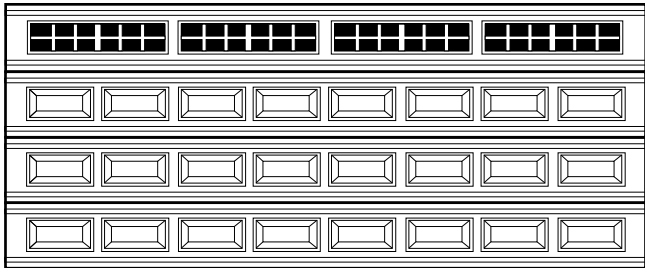


14'2" X 7' (4320 X 2130)

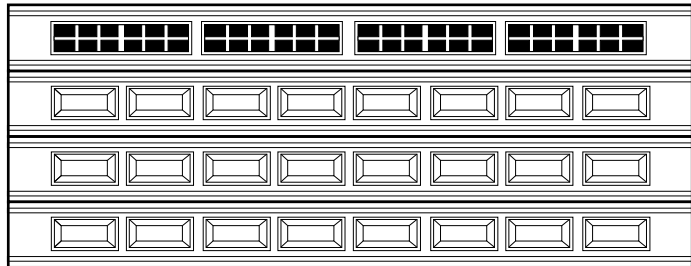
(LN) Lancaster Window Examples



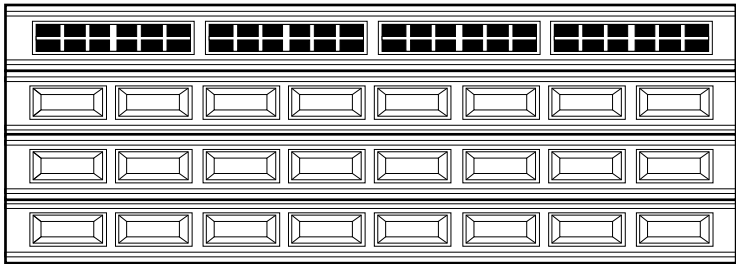
15'2" X 7' (4620 X 2130)



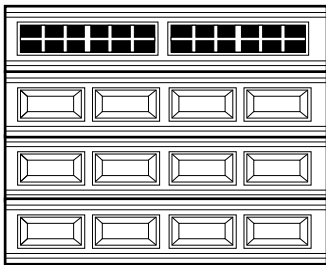
16'2" X 7' (4930 X 2130)



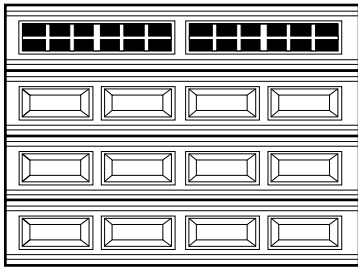
17'2" X 7' (5230 X 2130) (STRETCHED 16')



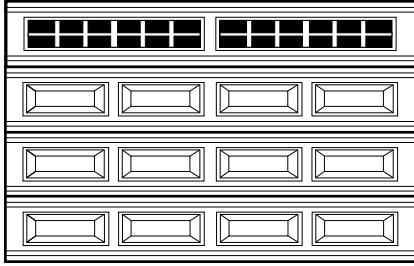
18'2" X 7' (5540 X 2130)



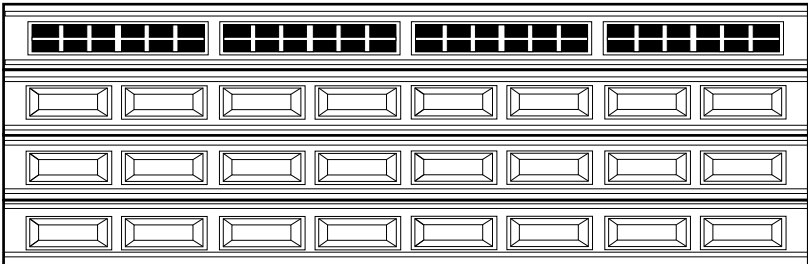
8'2" X 7' (2490 X 2130)



9'2" X 7' (2790 X 2130)



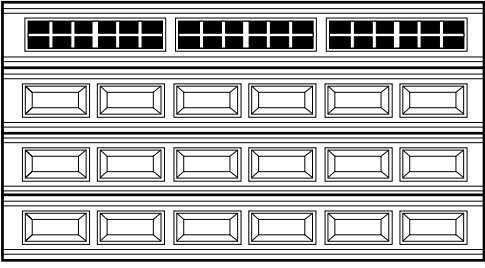
10'2" X 7' (3100 X 2130)



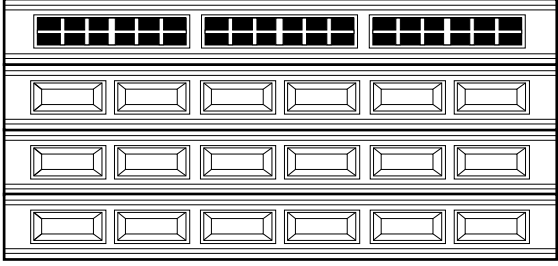
20'2" X 7' (6150 X 2130)



7'8" X 7' (2340 X 2130)

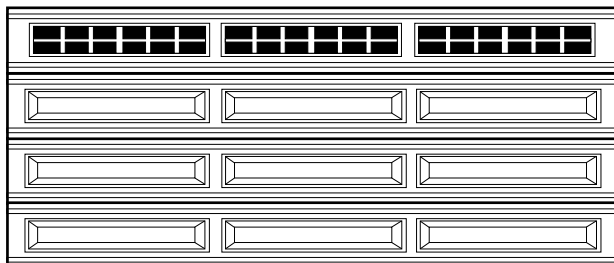


12'2" X 7' (3710 X 2130)

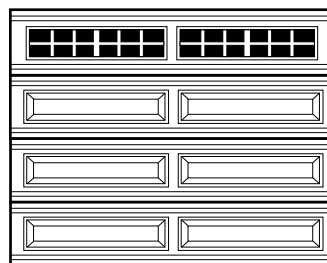


14'2" X 7' (4320 X 2130)

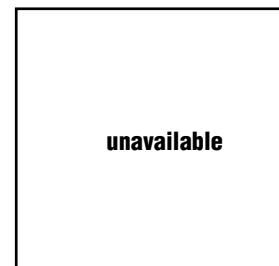
(LN) Lancaster Window Examples



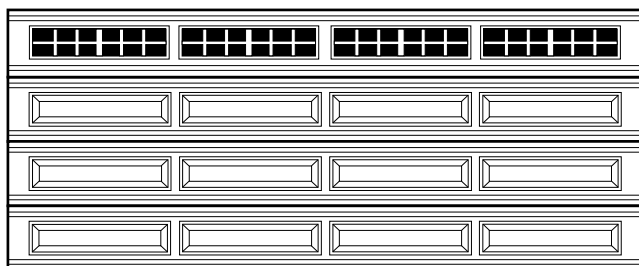
15'2" X 7' (4620 X 2130)



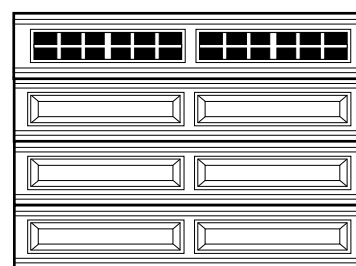
8'2" X 7' (2490 X 2130)



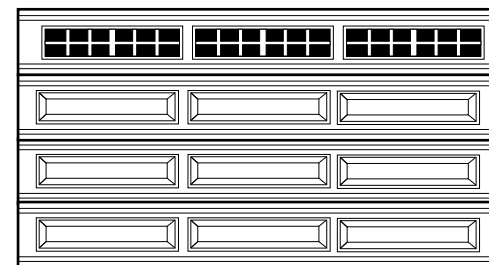
7'8" X 7' (2340 X 2130)



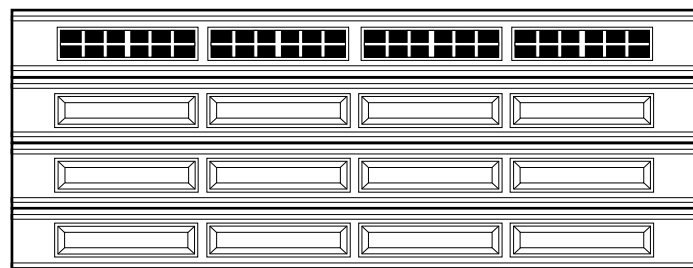
16'2" X 7' (4930 X 2130)



9'2" X 7' (2790 X 2130)

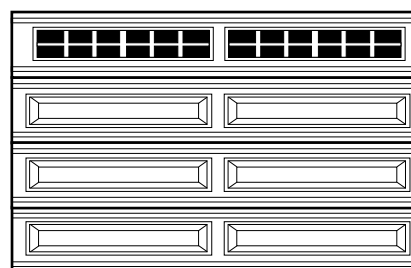


12'2" X 7' (3710 X 2130)

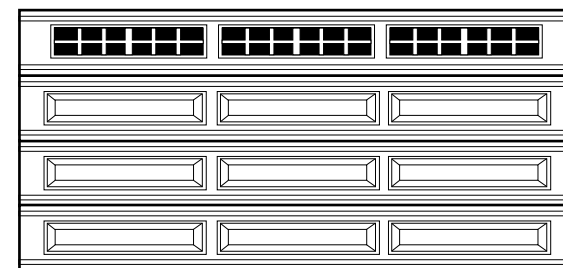


17'2" X 7' (5230 X 2130)

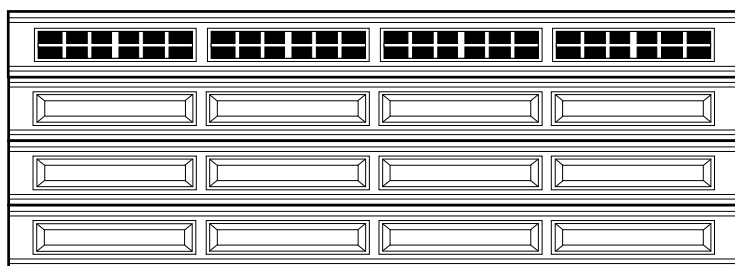
(STRETCHED 16')



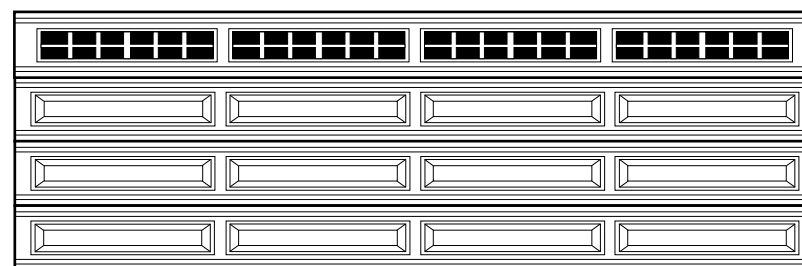
10'2" X 7' (3100 X 2130)



14'2" X 7' (4320 X 2130)

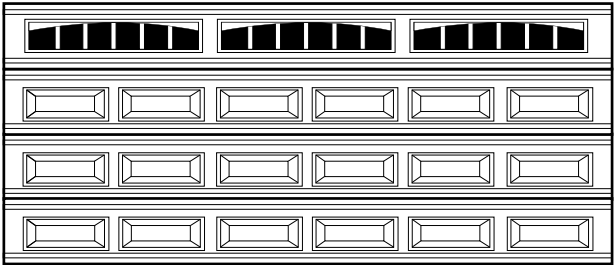


18'2" X 7' (5540 X 2130)

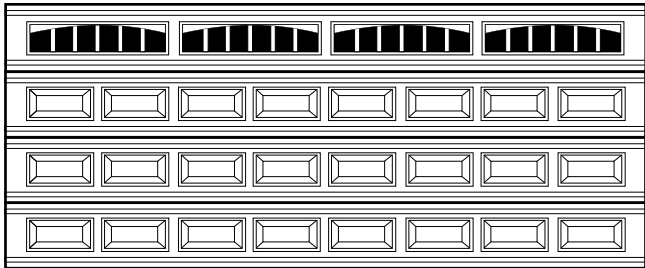


20'2" X 7' (6150 X 2130)

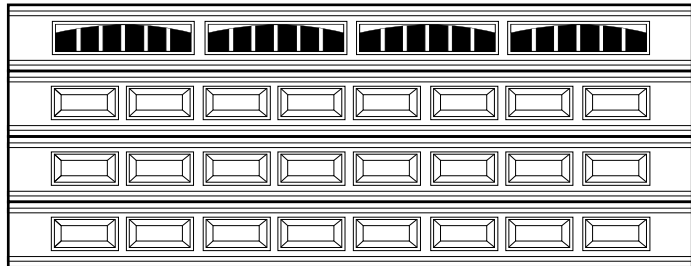
(RX) Roxbury Window Examples



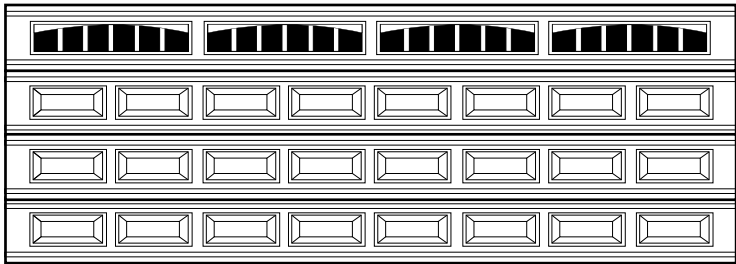
15'2" X 7' (4620 X 2130)



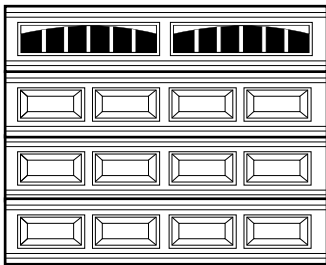
16'2" X 7' (4930 X 2130)



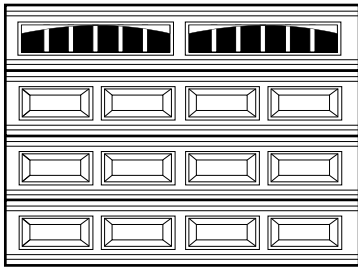
17'2" X 7' (5230 X 2130) (STRETCHED 16')



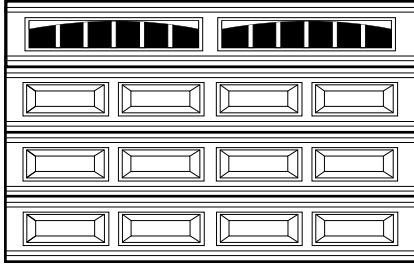
18'2" X 7' (5540 X 2130)



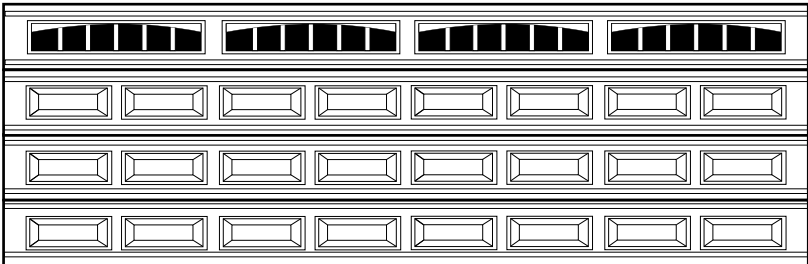
8'2" X 7' (2490 X 2130)



9'2" X 7' (2790 X 2130)



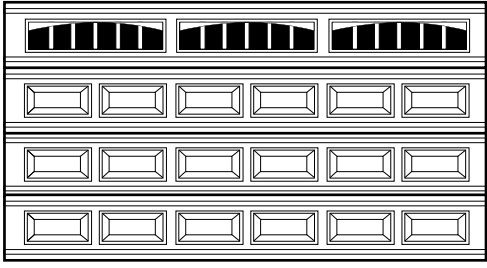
10'2" X 7' (3100 X 2130)



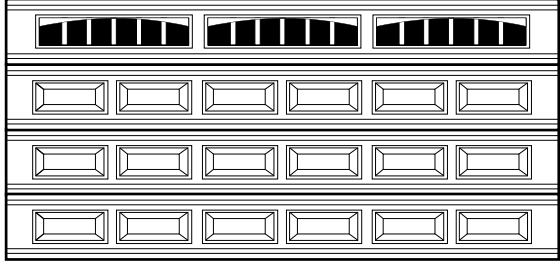
20'2" X 7' (6150 X 2130)



7'8" X 7' (2340 X 2130)

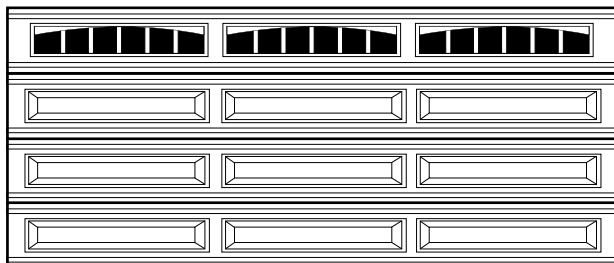


12'2" X 7' (3710 X 2130)

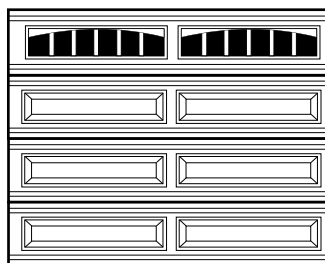


14'2" X 7' (4320 X 2130)

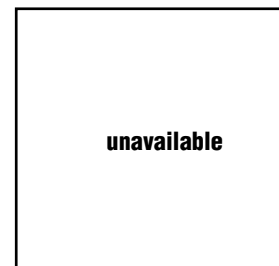
(RX) Roxbury Window Examples



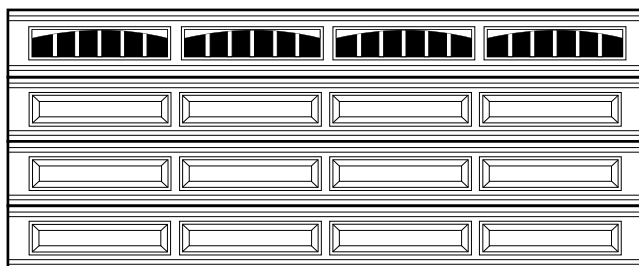
15'2" X 7' (4620 X 2130)



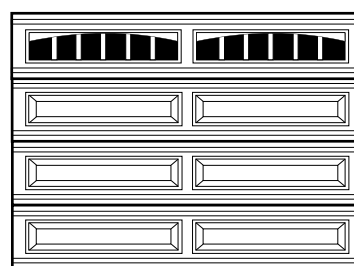
8'2" X 7' (2490 X 2130)



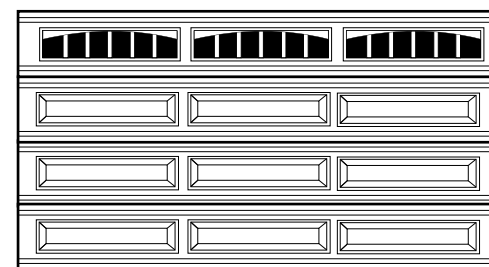
7'8" X 7' (2340 X 2130)



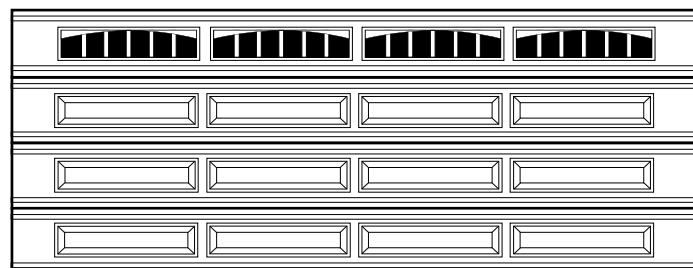
16'2" X 7' (4930 X 2130)



9'2" X 7' (2790 X 2130)

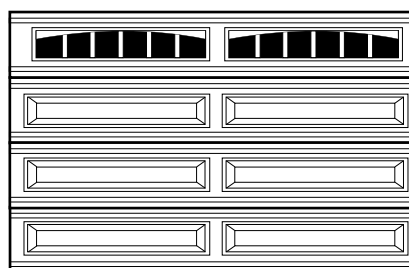


12'2" X 7' (3710 X 2130)

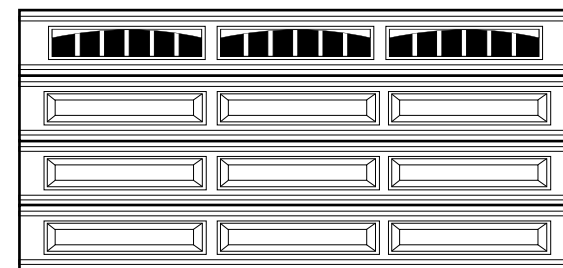


17'2" X 7' (5230 X 2130)

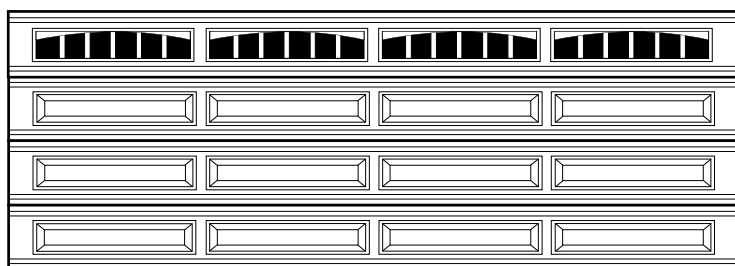
(STRETCHED 16')



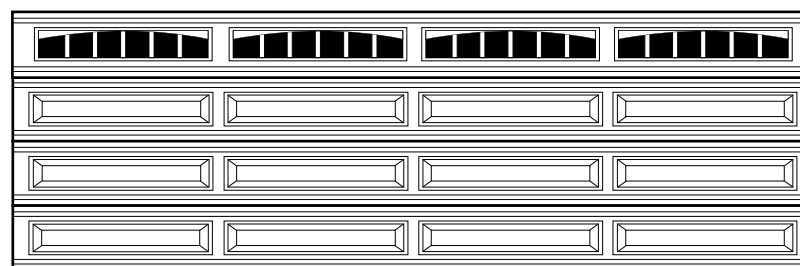
10'2" X 7' (3100 X 2130)



14'2" X 7' (4320 X 2130)

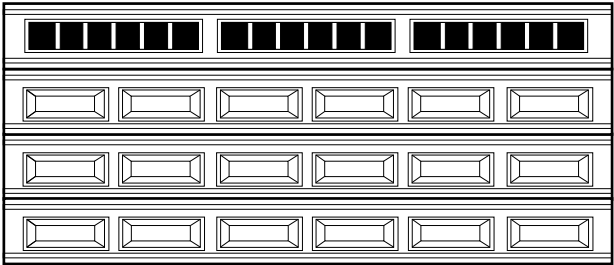


18'2" X 7' (5540 X 2130)

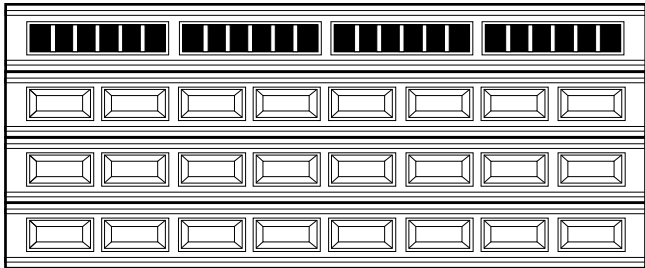


20'2" X 7' (6150 X 2130)

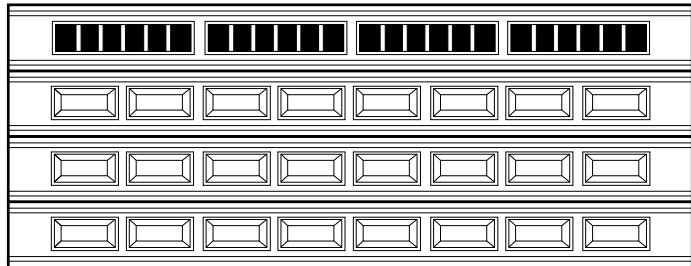
(CN) Canterbury Window Examples



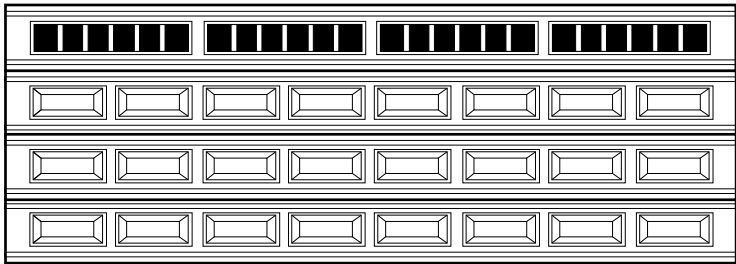
15'2" X 7' (4620 X 2130)



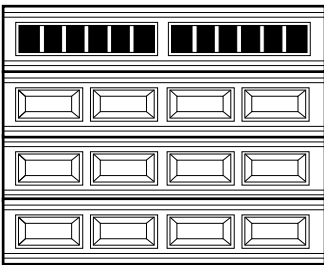
16'2" X 7' (4930 X 2130)



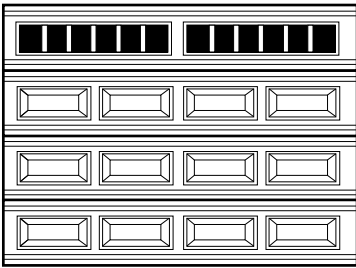
17'2" X 7' (5230 X 2130) (STRETCHED 16')



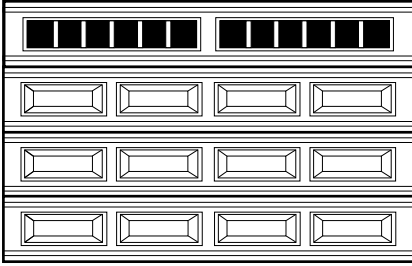
18'2" X 7' (5540 X 2130)



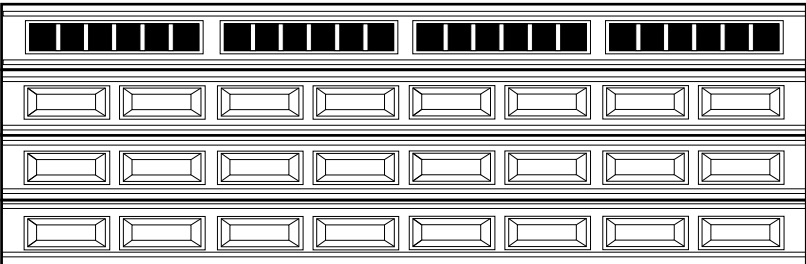
8'2" X 7' (2490 X 2130)



9'2" X 7' (2790 X 2130)



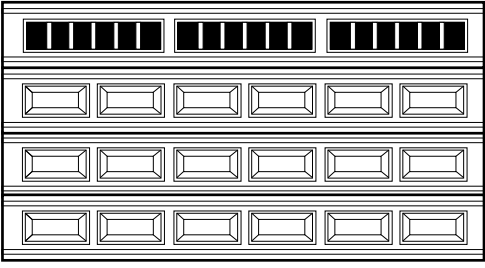
10'2" X 7' (3100 X 2130)



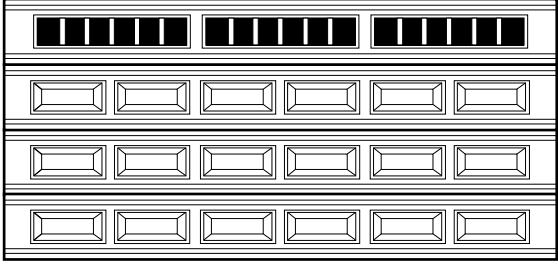
20'2" X 7' (6150 X 2130)



7'8" X 7' (2340 X 2130)

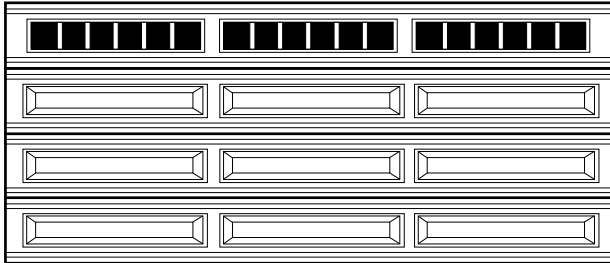


12'2" X 7' (3710 X 2130)

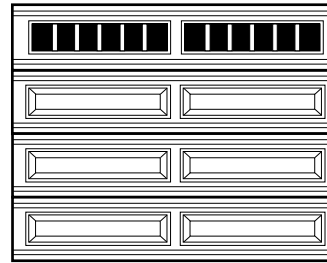


14'2" X 7' (4320 X 2130)

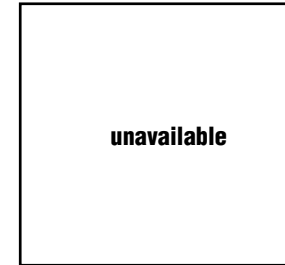
(CN) Canterbury Window Examples



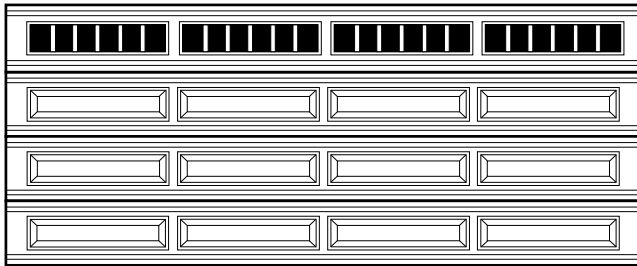
15'2" X 7' (4620 X 2130)



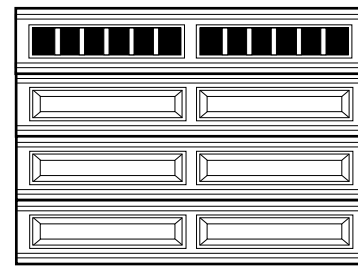
8'2" X 7' (2490 X 2130)



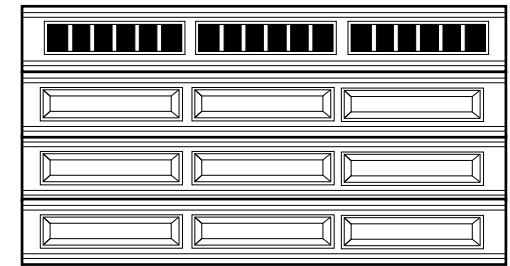
7'8" X 7' (2340 X 2130)



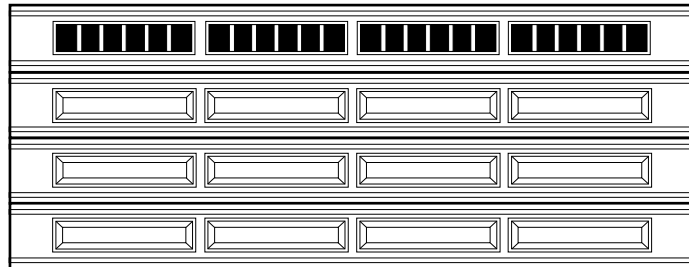
16'2" X 7' (4930 X 2130)



9'2" X 7' (2790 X 2130)

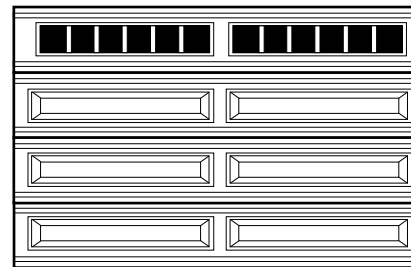


12'2" X 7' (3710 X 2130)

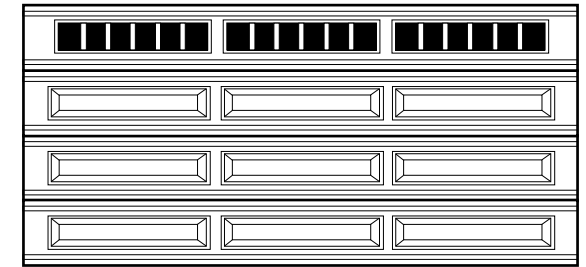


17'2" X 7' (5230 X 2130)

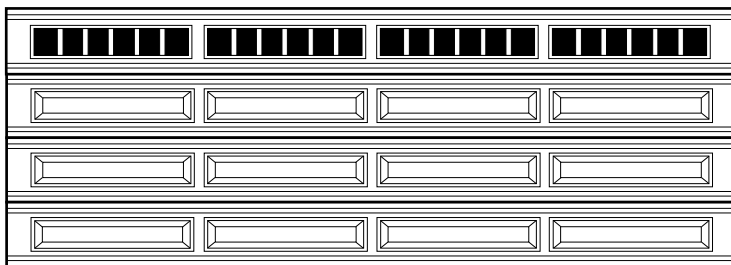
(STRETCHED 16')



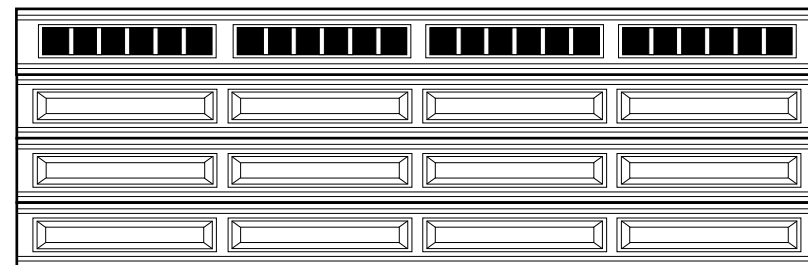
10'2" X 7' (3100 X 2130)



14'2" X 7' (4320 X 2130)



18'2" X 7' (5540 X 2130)



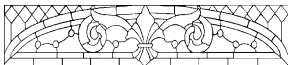
20'2" X 7' (6150 X 2130)

Vista Window Examples

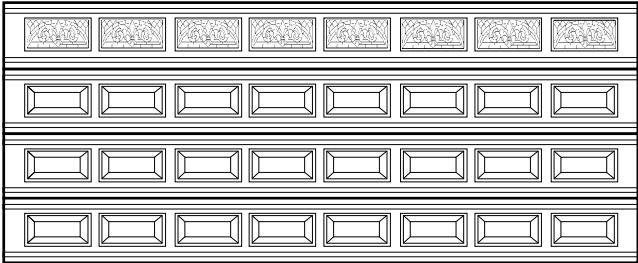
Tiara Vista



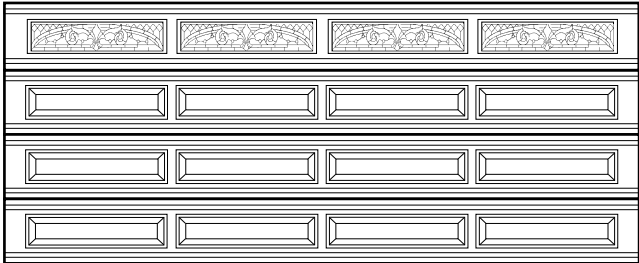
19",22",25" (480, 560, 630)



42",48",54" (1070, 1220, 1370)

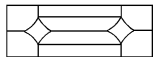


16'2" X 7' (4930 X 2130)

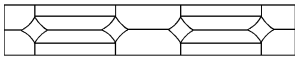


16'2" X 7' (4930 X 2130)

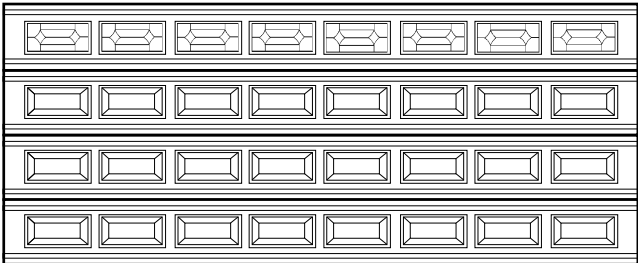
Diamante Vista



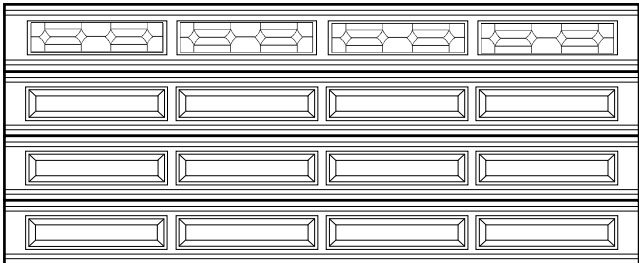
19",22",25" (480, 560, 630)



42",48",54" (1070, 1220, 1370)

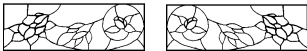


16'2" X 7' (4930 X 2130)



16'2" X 7' (4930 X 2130)

Rosa Vista

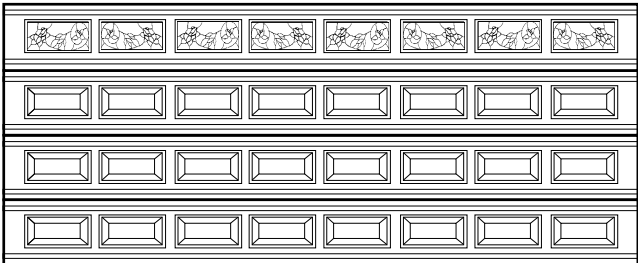


19",22",25" (480, 560, 630)

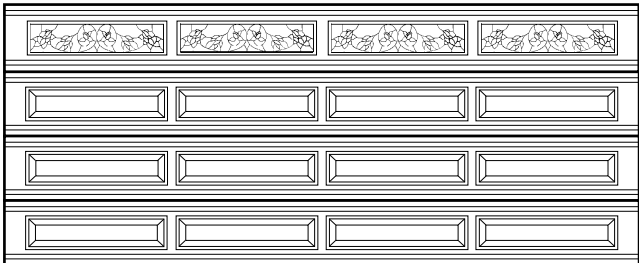
(Sold only in pairs.)



42",48",54" (1070, 1220, 1370)

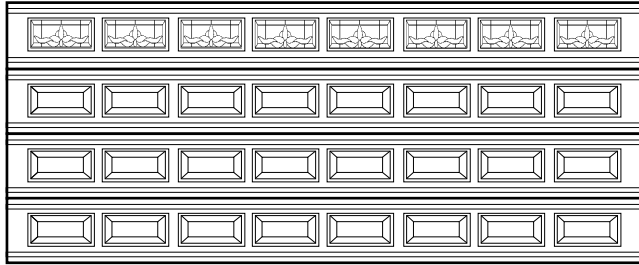


16'2" X 7' (4930 X 2130)

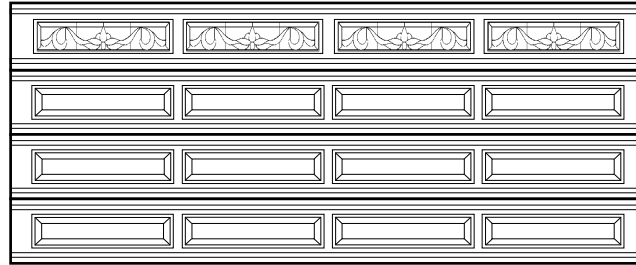


16'2" X 7' (4930 X 2130)

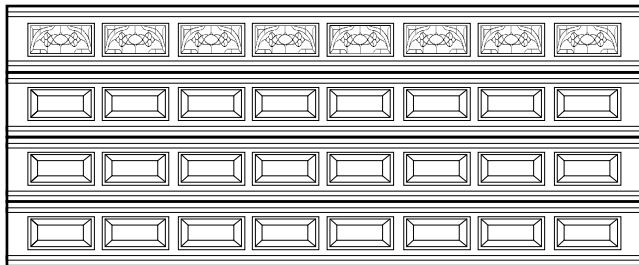
Vista Window Examples



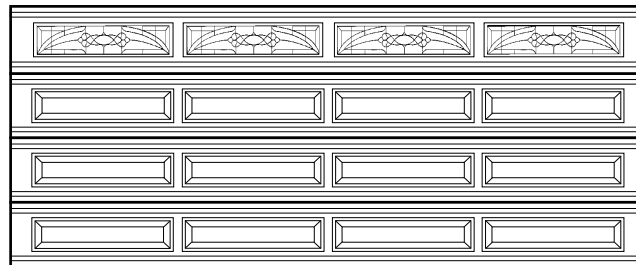
16'2" X 7' (4930 X 2130)



16'2" X 7' (4930 X 2130)

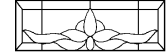


16'2" X 7' (4930 X 2130)

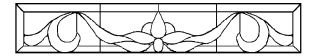


16'2" X 7' (4930 X 2130)

Flora Vista

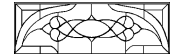


19",22",25" (480, 560, 630)

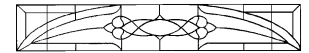


42",48",54" (1070, 1220, 1370)

Amore Vista



19",22",25" (480, 560, 630)



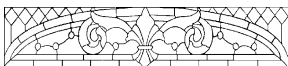
42",48",54" (1070, 1220, 1370)

Martin Camelot Garage Doors With Vista Windows

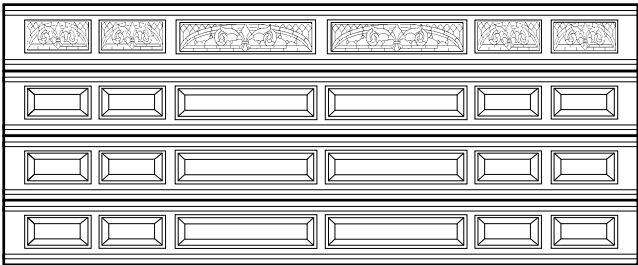
Tiara Vista



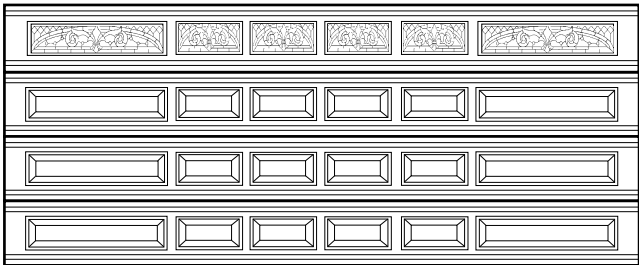
19",22",25" (480, 560, 630)



42",48",54" (1070, 1220, 1370)

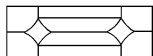


16'2" X 7' (4930 X 2130)

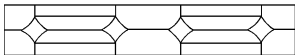


16'2" X 7' (4930 X 2130)

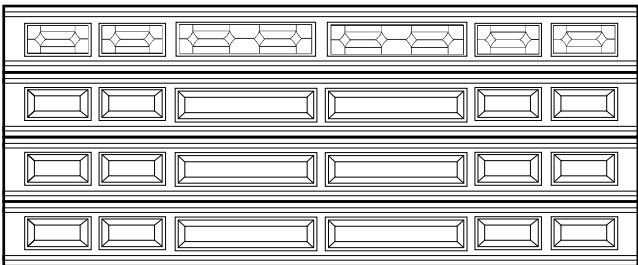
Diamante Vista



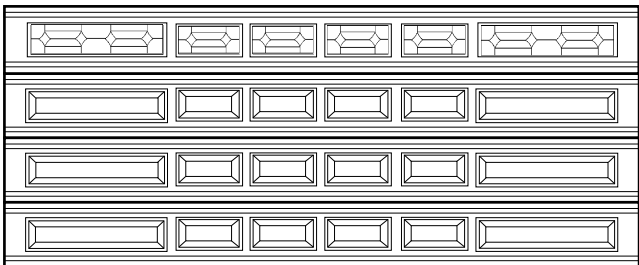
19",22",25" (480, 560, 630)



42",48",54" (1070, 1220, 1370)

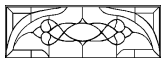


16'2" X 7' (4930 X 2130)

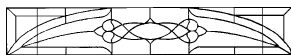


16'2" X 7' (4930 X 2130)

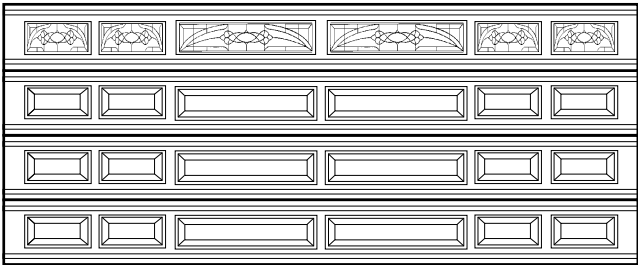
Amore Vista



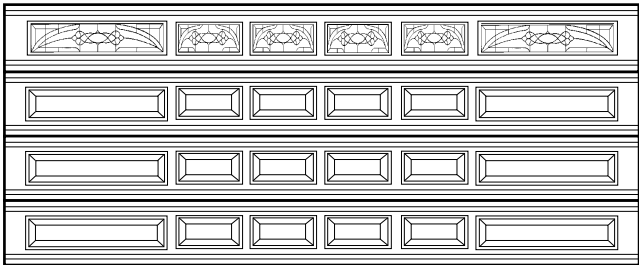
19",22",25" (480, 560, 630)



42",48",54" (1070, 1220, 1370)



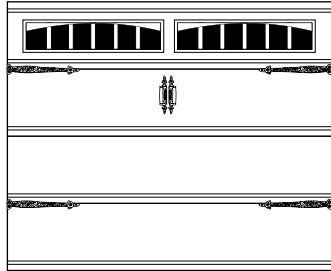
16'2" X 7' (4930 X 2130)



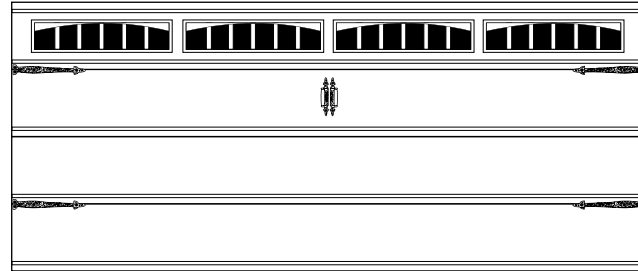
16'2" X 7' (4930 X 2130)

Steel Carriage House Examples with Antique Hinges and Handles

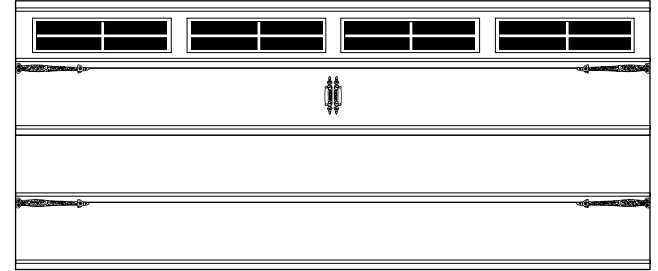
Flushline



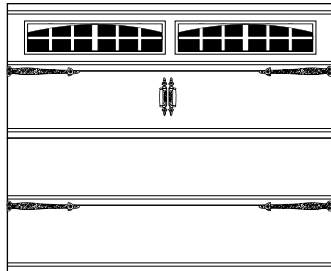
8'2" X 7' (2490 X 2130) with Roxbury windows



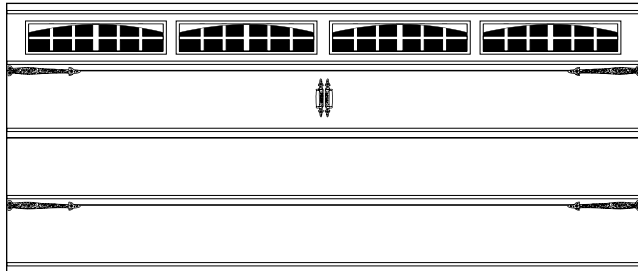
16'2" X 7' (4930 X 2130) with Roxbury windows



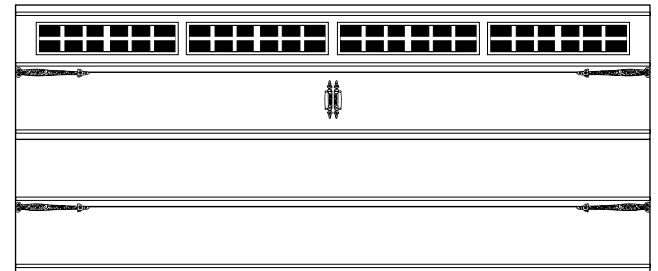
16'2" X 7' (4930 X 2130) with Virginian Long windows



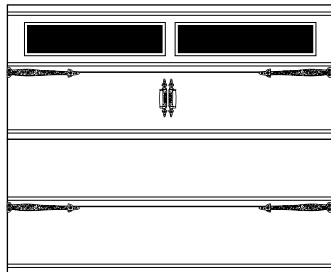
8'2" X 7' (2490 X 2130) with Victoria windows



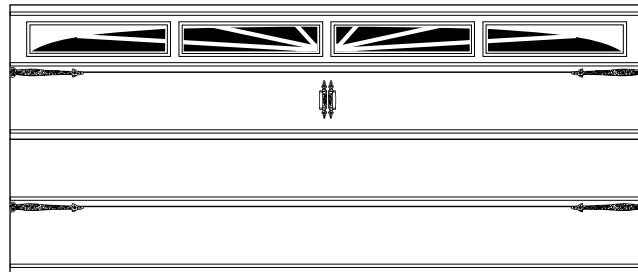
16'2" X 7' (4930 X 2130) with Victoria windows



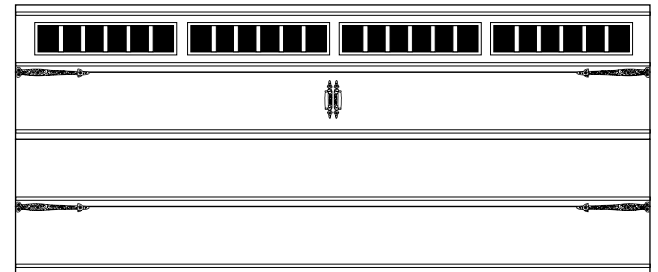
16'2" X 7' (4930 X 2130) with Lancaster windows



8'2" X 7' (2490 X 2130) with Designer FV Long

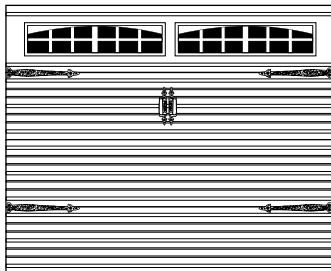


16'2" X 7' (4930 X 2130) with Dawn windows

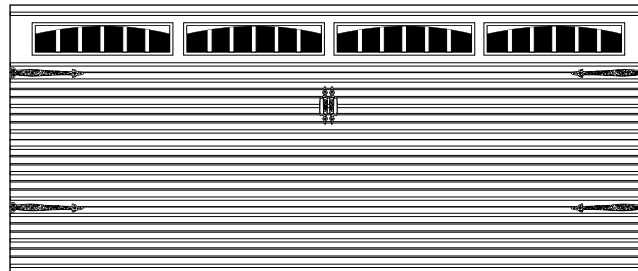


16'2" X 7' (4930 X 2130) with Canterbury windows

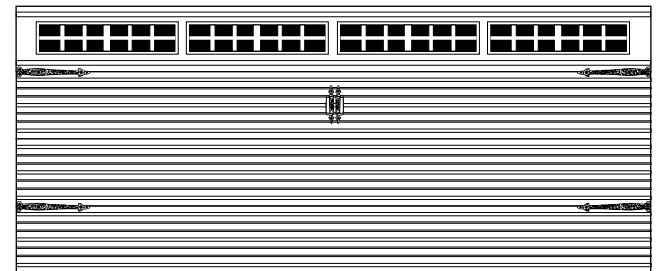
Hi-Tensil



8'2" X 7' (2490 X 2130) with Victoria windows



16'2" X 7' (4930 X 2130) with Roxbury windows



16'2" X 7' (4930 X 2130) with Lancaster windows

Martin Residential Door Openers

Designed to lift all balanced door widths up to 12' (3700) high



OPTIONS

- Mini 3 Button Transmitter w/ key chain loop
- 2 Button Transmitter w/ steel visor clip
- 4 Button Transmitter w/ steel visor clip
- Wireless Keyless Entry
- Key Switch
- Vault Garage Key Release
- 3 Function Wall Console - (Vacation Lock, Light, Push Button)
- Tandem Roller Bracket Reduces std. Clearance 2" (51) for opener installation. Requires 2 extra rollers.
- Punched Angle 8' (2440) 16 ga. (Required for most opener installations)
- Optional powder coating on channel rail and other selected parts.

MODEL DC3700e & DC2500e FEATURES

- Ultra Quiet 24 Volt DC Motor.
 - Soft start, soft stop.
 - Safer 5" (127) per second speed.
 - Unlimited non-stop open and closing.
 - Safety reverse in down cycle, safety stop in up cycle.
 - Secondary timed reverse in down cycle.
 - Can be programmed to lift up to 220 lbs. (100 kg).
 - Smart Motor® controls moves force to only what is needed.
- Dual Lights (DC3700e), Single Light (DC2500e), Maximum 60 Watts Each.
 - 4 minute light delay.
 - Light(s) flash if obstruction.
 - Light bulbs not included.
- Rails (C-Channels) are Hot Dipped Galvanized Steel with belt or stainless steel chain.
 - Manual emergency release/ re-connect of rail trolley.
- Electronic Limit Settings.
- Photo Eye Safety Reverse System
- LED Display to Program Door Opener.
 - Helps to diagnose problems.
 - Gives status of door operating function.
- Wireless Code Learning of First Transmitter to Receiver.
 - Unlimited extra transmitter code learning.

MODEL DC3700e DOOR OPENER

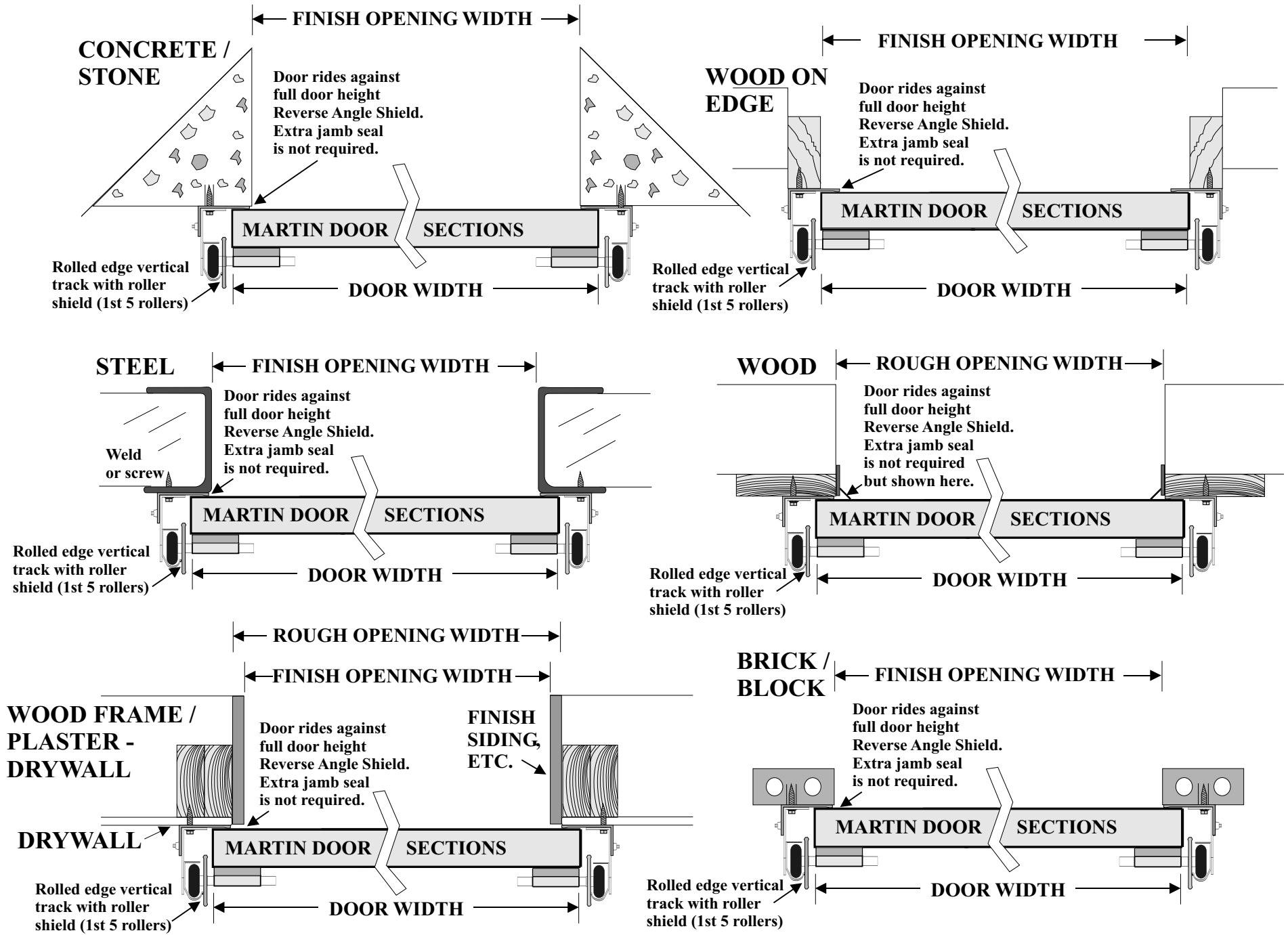
- Meets USA, UL, FCC, and Canadian CSA Standards
- Transformer: 110 Volts AC to 24 Volts DC
 - Note: Trained Martin Dealers in Specific Foreign Countries can convert transformer to accept 220 Volts AC.
- Channel rail with steel reinforced belt
- Includes two 2-Button Transmitter, Multi Bit Code (Home Link compatible) and a 3 function wall console (Vacation lock, Light, Illuminated button)
- Warranty: *Lifetime (*Refer to written warranty for limitations)

MODEL DC2500e DOOR OPENER

- Meets USA, UL, FCC, and Canadian CSA Standards
- Transformer: 110 Volts AC to 24 Volts DC
 - Note: Trained Martin Dealers in Specific Foreign Countries can convert transformer to accept 220 Volts AC.
- Channel rail with stainless steel chain
- Includes one 2-Button Transmitter, Multi Bit Code (Home Link compatible) and a push button wall control.
- Warranty: *15 Year (*Refer to written warranty for limitations)

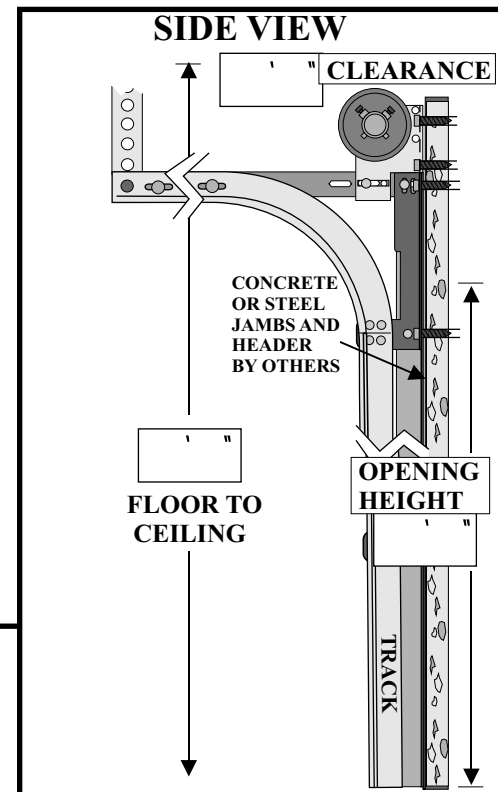
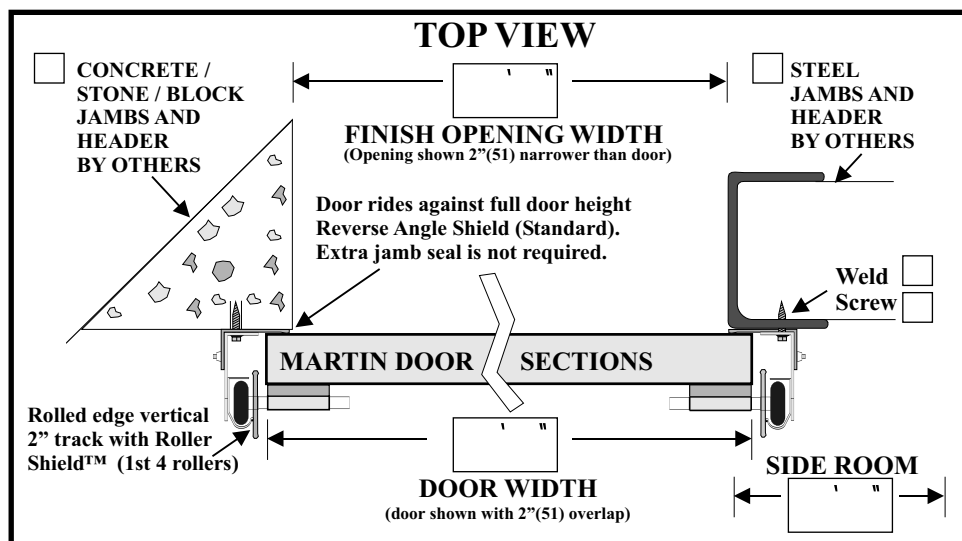
Top View - Various Jamb Mounts

Martin Doors are made 2"(51) wider than normal opening widths (Custom sizes available)



Drawings for Standard 12" Track System

(310mm)



Martin Door Model: HT ☐ WL ☐ RA ☐
Ribbed Short Panel Long Panel

High Tensile Steel Door Section Gauge:
24 gauge (.0215" average / .55mm)
(Dent resistance $\geq$ 22 gauge mild steel)

Galvanizing:
All steel is galvanized
G-90 on track, hinges, stiles, etc.
G-60 Door sections - both sides
Torsion springs also galvanized

Painting:
2 thick coats baked-on enamel paint, both sides of door sections (4 color choices)

Spring Cycle Life (30,000 cycle is standard):
☐ 50,000 cycle
☐ 100,000 cycle
☐ other cycle _____

See Martin Door Spec. Sheet for other details.

MARTIN DOOR DEALER



JOB NAME _____
LOCATION _____

Drawn by _____
Checked _____
Order # _____

Job # _____
Page _____ of _____
Date _____

INSIDE LOOKING OUT

Spring Cycle Life (20,000 cycle is standard):

- ☐ 50,000 cycle
☐ 100,000 cycle
☐ other cycle _____



DOUBLE END STILES?
YES ☐ NO ☐

INSULATION
NO ☐ YES ☐

REGULAR (NONE)
☐ VINYL BACK
R-VALUE = 8

SERIES I STEEL BACK
30 gauge

SERIES II STEEL BACK
26 gauge (.0175" average / .45mm)
R-VALUE = 9

REVERSE ANGLE SHIELD SHOWN ATTACHES TO JAMBS

Only 15" (380) Clearance is required, including the electric operator. (17" (425) on larger 5" Cable Drum applications)

Drawings for Vertical Lift Track System

TOP VIEW

CONCRETE / STONE / BLOCK JAMBS AND HEADER BY OTHERS

STEEL JAMBS AND HEADER BY OTHERS

FINISH OPENING WIDTH
(Opening shown 2"(51) narrower than door)

Door rides against full door height Reverse Angle Shield (Standard). Extra jamb seal is not required.

MARTIN DOOR SECTIONS

Weld

Screw

DOOR WIDTH
(door shown with 2"(51) overlap)

SIDE ROOM

Rolled edge vertical 2" track with roller shield™ (1st 5 rollers)

3" Track Option

Martin Door Model: HT ☐ WL ☐ RA ☐
Ribbed Short Panel Long Panel

High Tensile Steel Door Section Gauge:
24 gauge (.0215" average / .55mm)
(Dent resistance $\geq$ 22 gauge mild steel)

Galvanizing:
All steel is galvanized
G-90 on track, hinges, stiles, etc.
G-60 Door sections - both sides
Torsion springs also galvanized

Painting:
2 thick coats baked-on enamel paint, both sides of door sections (4 color choices)

Spring Cycle Life (30,000 cycle is standard):
☐ 50,000 cycle
☐ 100,000 cycle
☐ other cycle

See Martin Door Spec. Sheet for other details.

MARTIN DOOR DEALER _____	 MARTIN GARAGE DOORS
JOB NAME _____	
LOCATION _____ _____ _____	
Drawn by _____ Checked _____ Order # _____	Job # _____ Page _____ of _____ Date _____

SIDE VIEW

CONCRETE OR STEEL JAMBS AND HEADER BY OTHERS

CLEARANCE

1"

TRAC

1"

FLOOR TO CEILING

REVERSE ANGLE SHIELD AND JAMBS NOT SHOWN

MARTIN

DOOR SECTIONS

OPENING HEIGHT

1"

INSIDE LOOKING OUT

Spring Cycle Life (20,000 cycle is standard):
☐ 50,000 cycle
☐ 100,000 cycle
☐ other cycle _____

CONCRETE OR STEEL JAMBS AND HEADER BY OTHERS

Clearance required is twice the door height plus 12" (305)

DOUBLE END STILES?
 YES ☐ NO ☐

SOLID SHAFT?
 (required for jack shaft and hoist operators)
 YES ☐ NO ☐

REVERSE ANGLE SHIELD SHOWN ATTACHES TO JAMBS

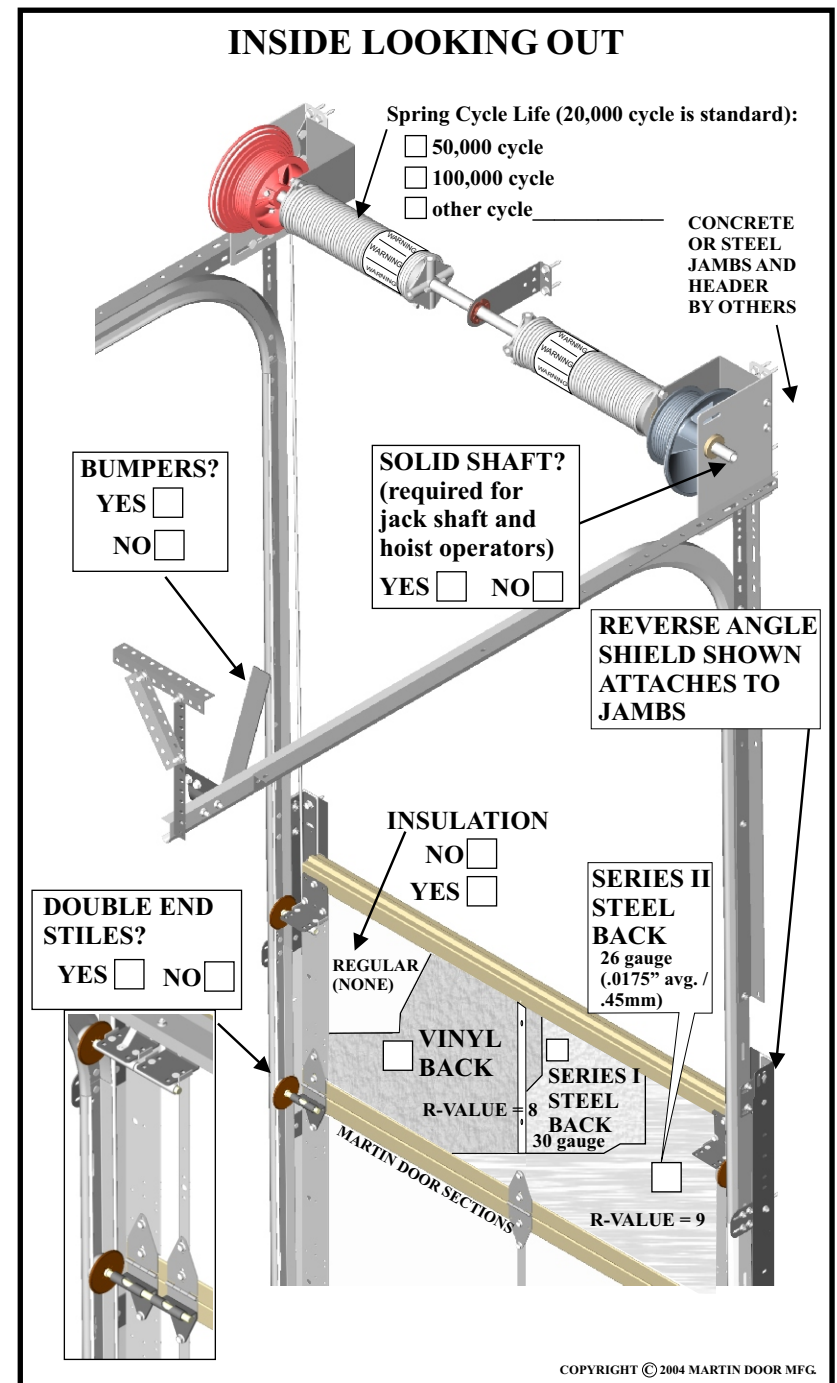
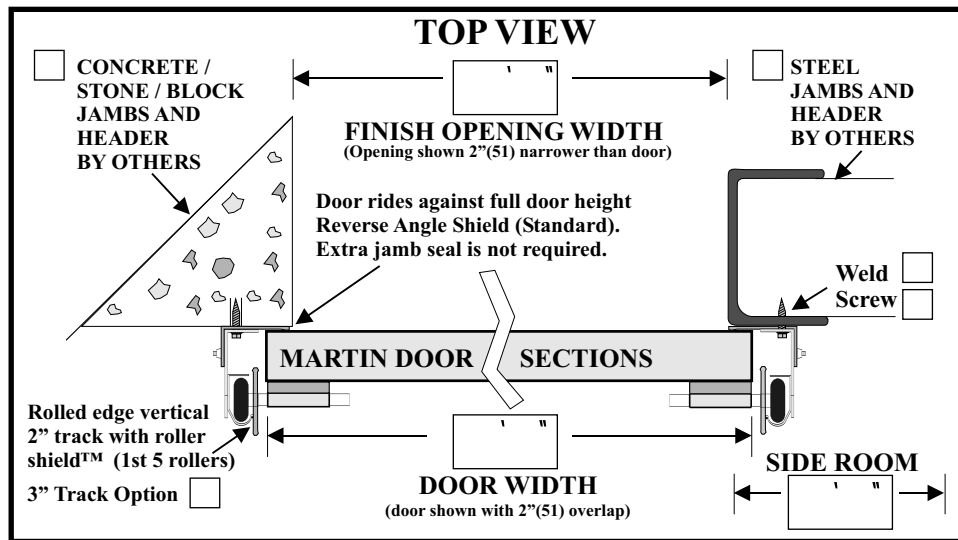
INSULATION
 NO ☐ YES ☐

REGULAR (NONE)
☐ VINYL BACK R-VALUE = 8
☐ SERIES I STEEL BACK 30 gauge
☐ SERIES II STEEL BACK 26 gauge (.0175" average / .45mm) R-VALUE = 9

MARTIN DOOR SECTIONS

COPYRIGHT © 2004 MARTIN DOOR MFG.

Drawings for High Clearance / Hi-Lift Track System



Martin Door Model: HT ☐ WL ☐ RA ☐
 Ribbed Short Panel Long Panel

High Tensile Steel Door Section Gauge:
 24 gauge (.0215" average / .55mm)
 (Dent resistance ≥ 22 gauge mild steel)

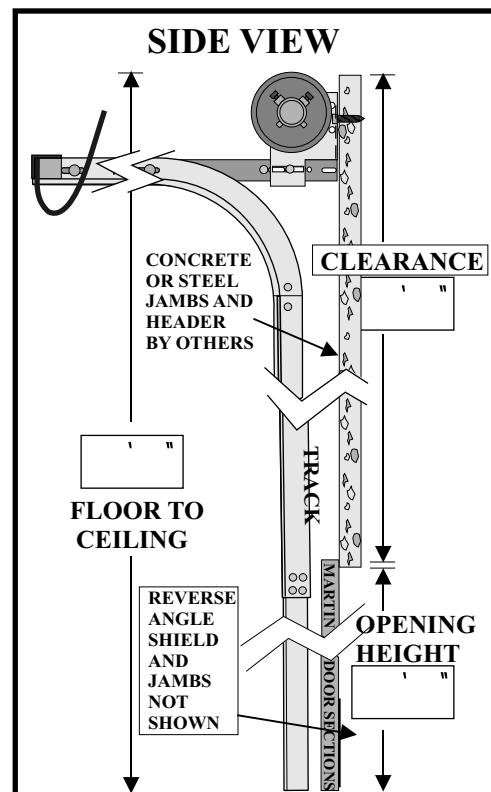
Galvanizing:
 All steel is galvanized
 G-90 on track, hinges, stiles, etc.
 G-60 Door sections - both sides
 Torsion springs also galvanized

Painting:
 2 thick coats baked-on enamel paint, both sides of door sections (4 color choices)

Spring Cycle Life (30,000 cycle is standard):
☐ 50,000 cycle
☐ 100,000 cycle
☐ other cycle _____

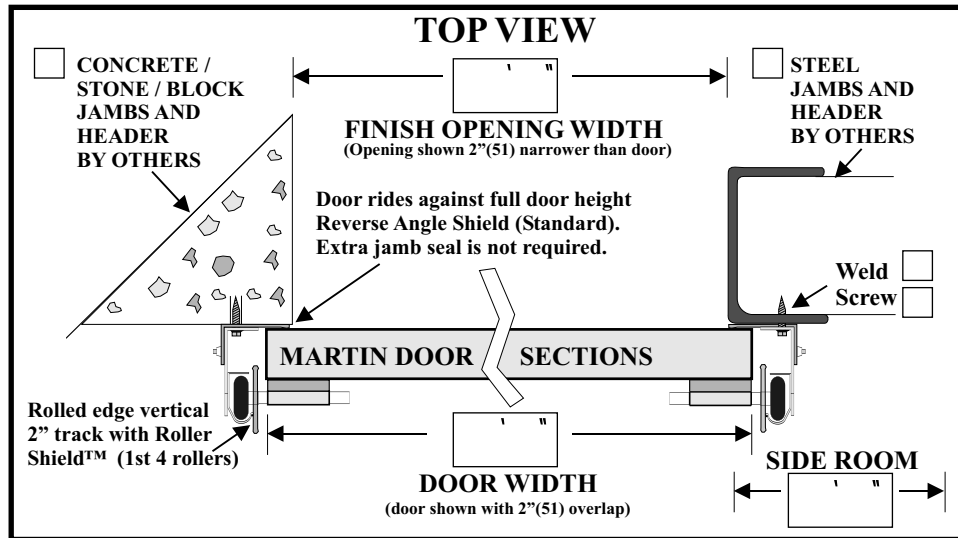
See Martin Door Spec. Sheet for other details.

MARTIN DOOR DEALER		MARTIN (GARAGE DOORS)	
JOB NAME _____			
LOCATION _____			
Drawn by _____	Job # _____		
Checked _____	Page _____ of _____		
Order # _____	Date _____		

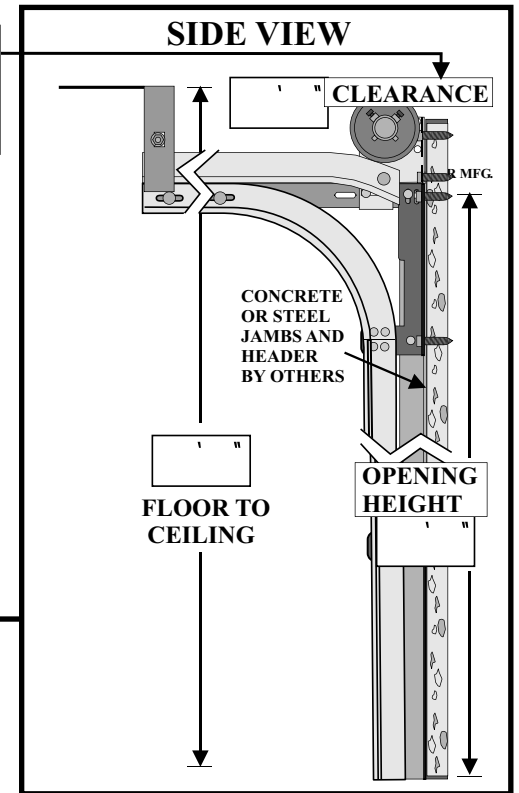


Drawings for Low Clearance Track System

Torsion Springs to the Front



Only 8" (184) Clearance is required, including the electric operator. (10" (250) on larger 5" Cable Drum applications)



Martin Door Model: HT ☐ WL ☐ RA ☐
Ribbed Short Panel Long Panel

High Tensile Steel Door Section Gauge:
24 gauge (.0215" average / .55mm)
(Dent resistance ≥ 22 gauge mild steel)

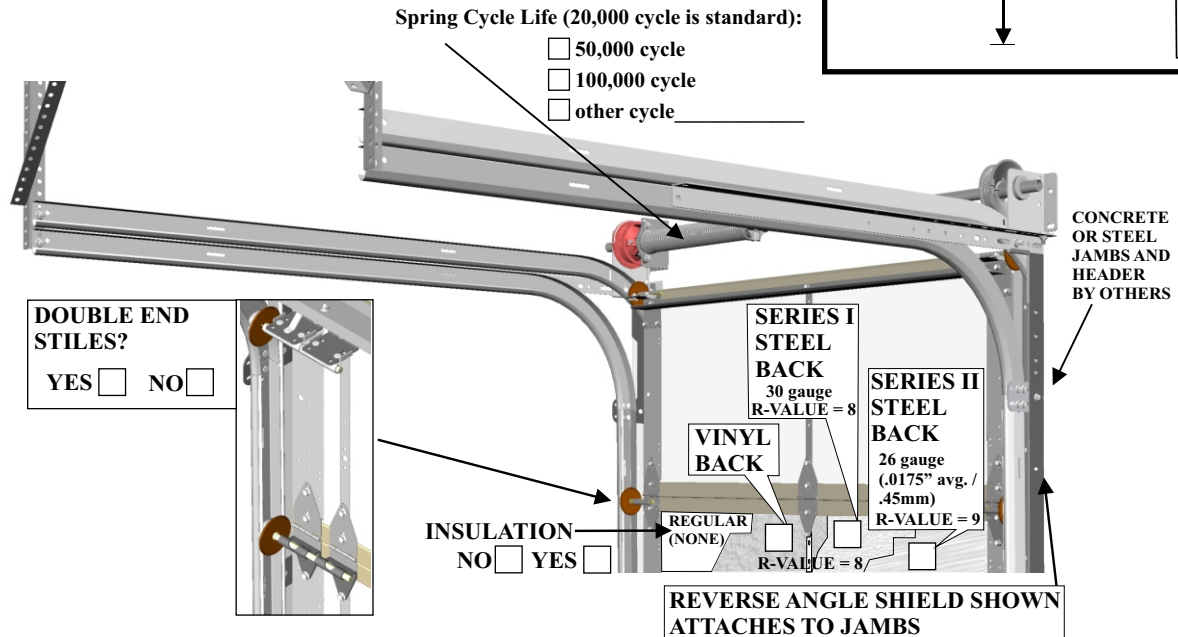
Galvanizing:
All steel is galvanized
G-90 on track, hinges, stiles, etc.
G-60 Door sections - both sides
Torsion springs also galvanized

Painting:
2 thick coats baked-on enamel paint, both sides of door sections (4 color choices)

Spring Cycle Life (30,000 cycle is standard):
☐ 50,000 cycle
☐ 100,000 cycle
☐ other cycle _____

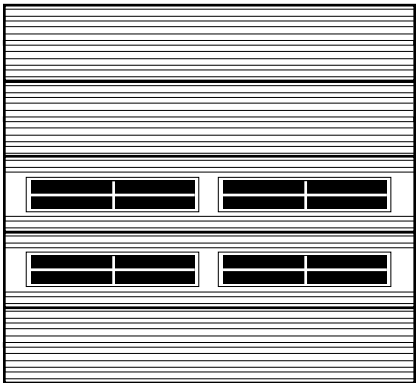
See Martin Door Spec. Sheet for other details.

INSIDE LOOKING OUT

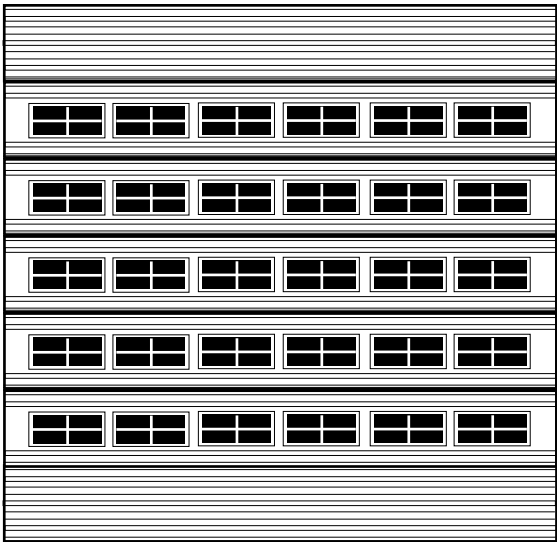


MARTIN DOOR DEALER	
JOB NAME _____	
LOCATION _____	
Drawn by _____	Job # _____
Checked _____	Page _____ of _____
Order # _____	Date _____

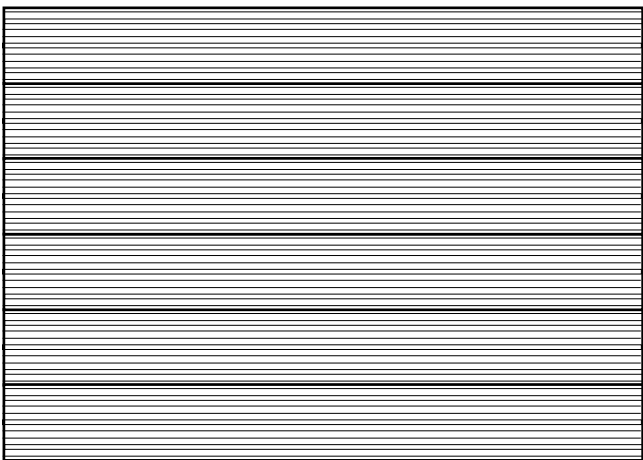
Commercial HT Examples



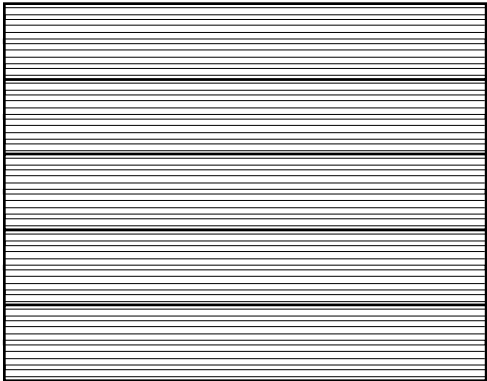
10'2" X 10' (3100 X 3050) (Virginian Ranch windows - 2 rows)



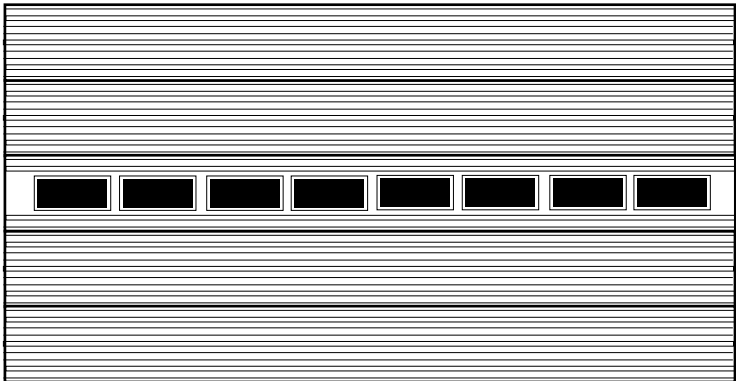
14'2" X 14' (4320 X 4270) (Virginian Windows - 5 rows)



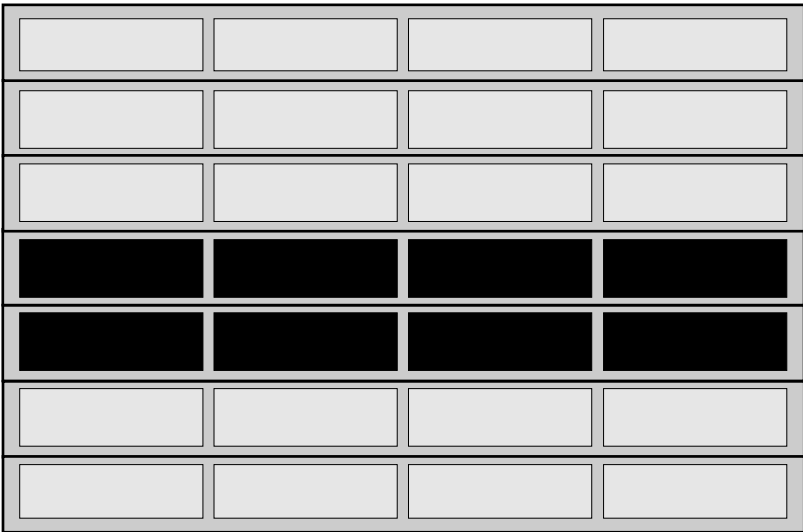
16'2" X 12' (4930 X 3660)



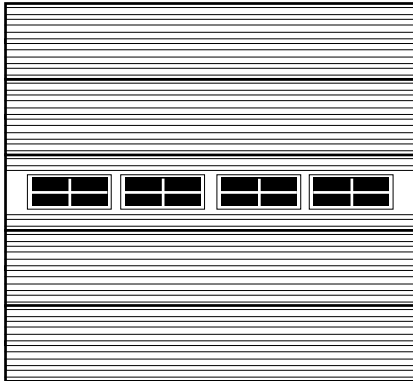
12'2" X 10' (3710 X 3050)



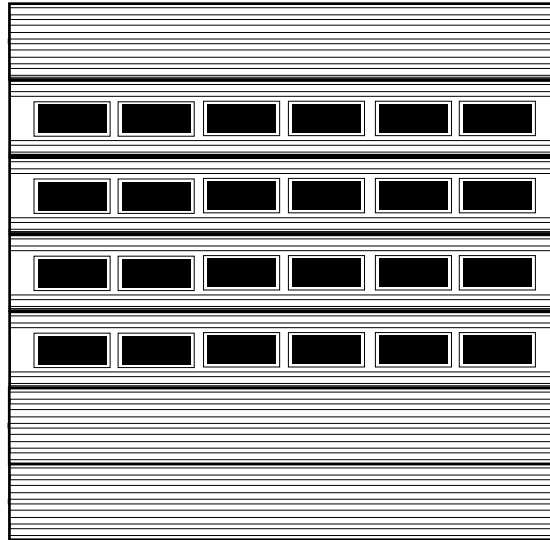
18'2" X 10' (5540 X 3050) (Designer Full View)



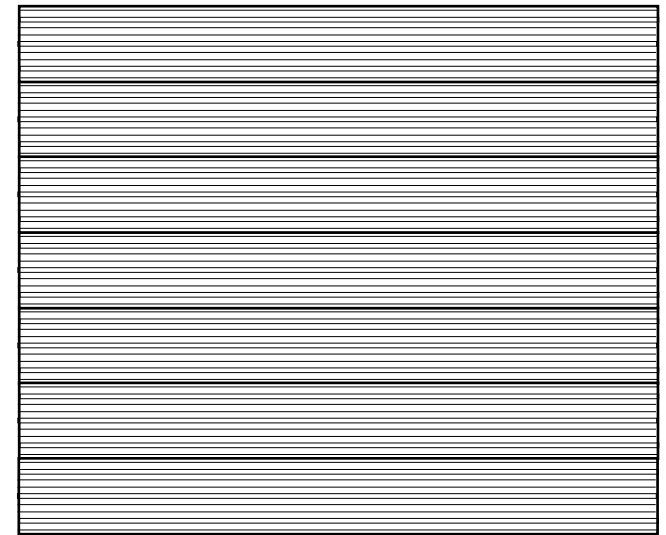
20'2" X 14' (6150 X 4720) (Aluminum Door with Commercial Aluminum Full View - 2 rows)



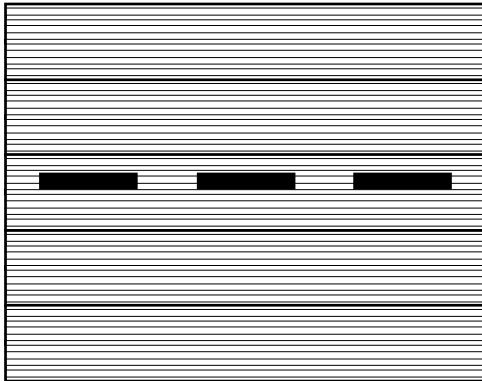
10'2" X 10' (Virginian Windows)
(3100 X 3049)



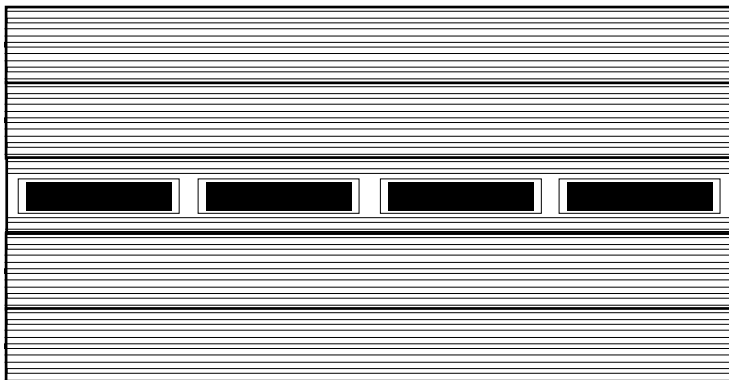
14'2" X 14' (Designer Full View Windows - 4 rows)
(4320 X 4269)



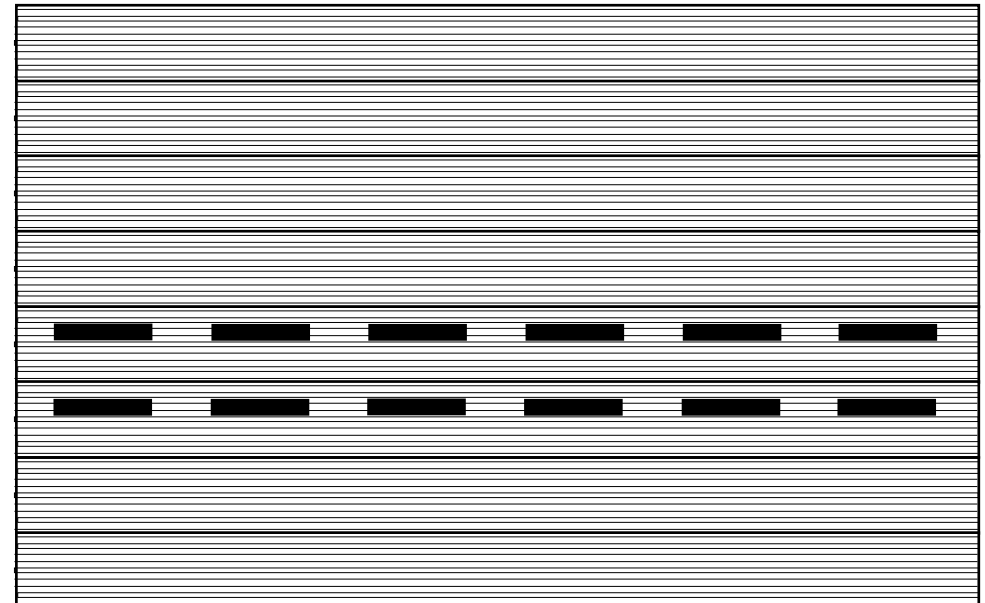
16'2" X 12'
(4930 X 4879)



12'2" X 10' (Security windows)
(3710 X 3659)

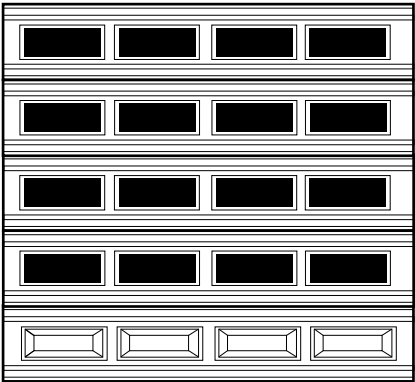


18'2" X 10' (Ranch designer full view windows)
(5540 X 5489)

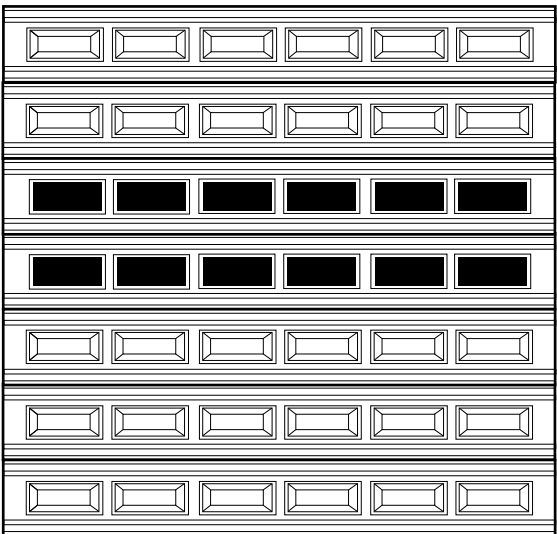


24'2" X 16' (Security Windows - 2 rows)
(7370 X 7319)

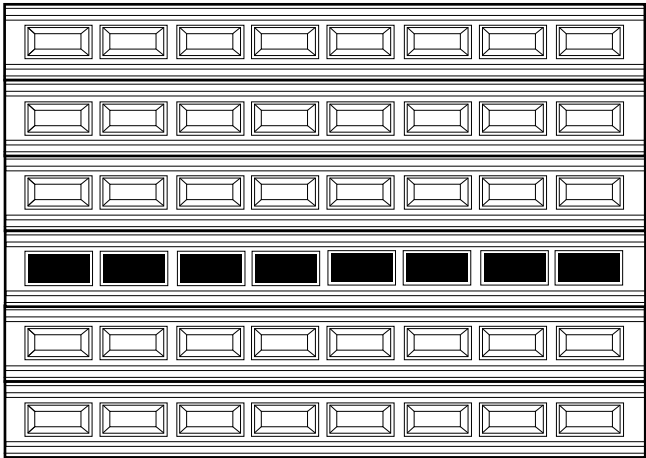
Commercial Woodline with Designer Full View Window Examples



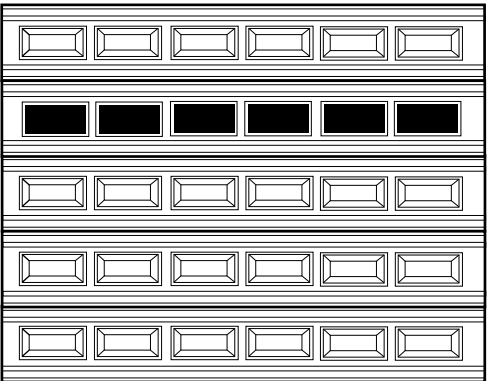
10'2" X 10' (3100 X 3050)



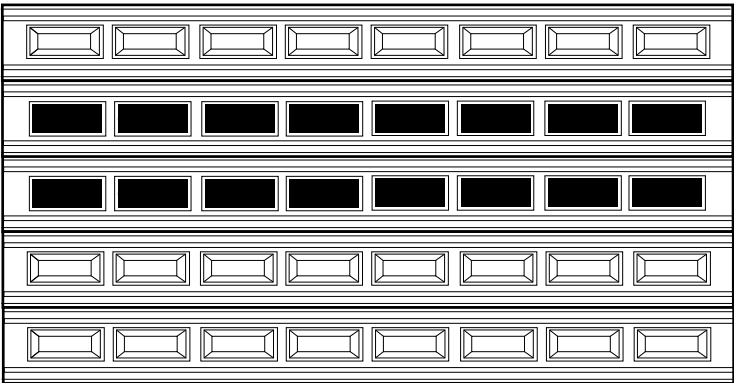
14'2" X 14' (4320 X 4270)



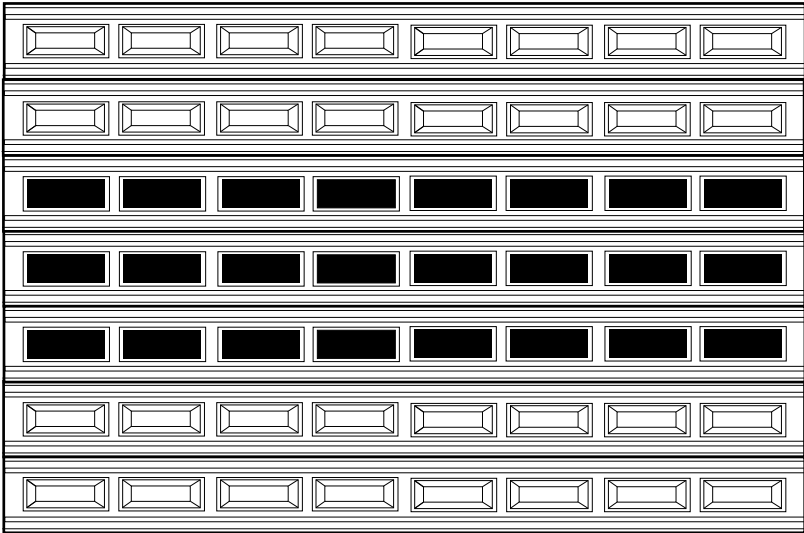
16'2" X 12' (4930 X 3660)



12'2" X 10' (3710 X 3050)

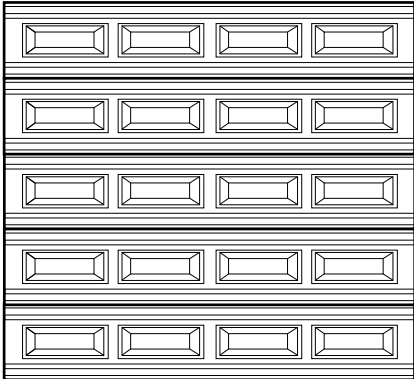


18'2" X 10' (5540 X 3050)

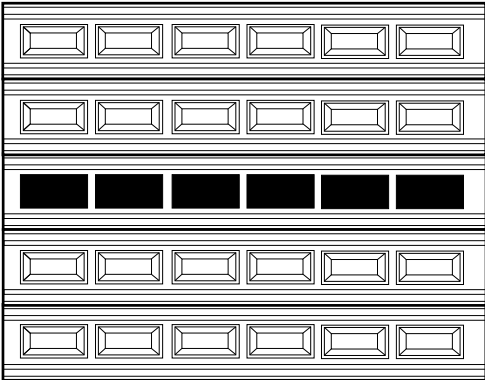


20'2" X 14' (6150 X 4720)

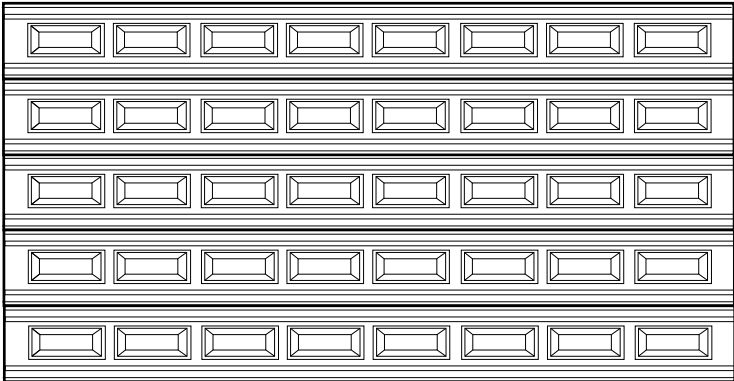
Commercial Woodline Examples



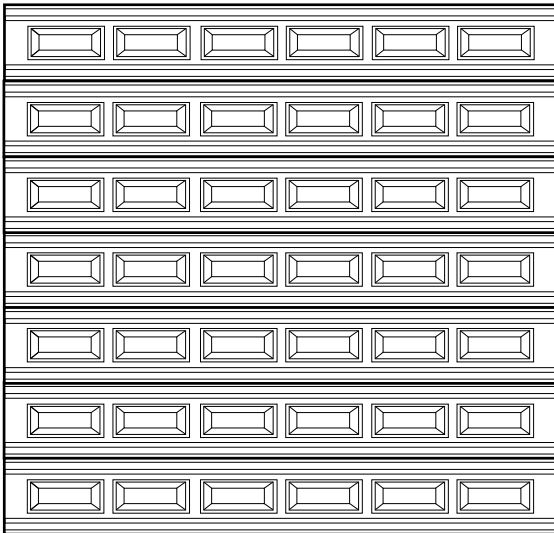
10'2" X 10' (3100 X 3050)



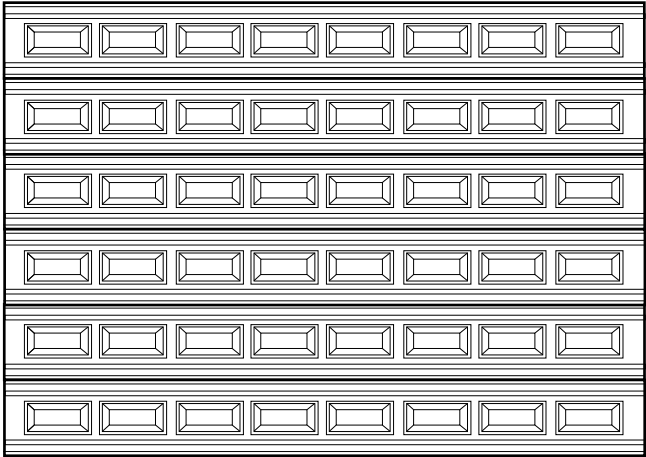
12'2" X 10' (3710 X 3050) (Designer Full View Windows)



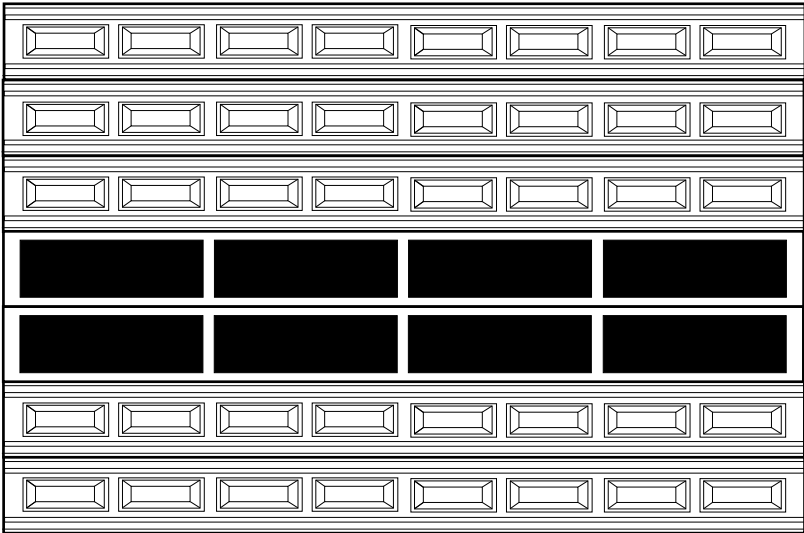
18'2" X 10' (5540 X 3050)



14'2" X 14' (4320 X 4270)

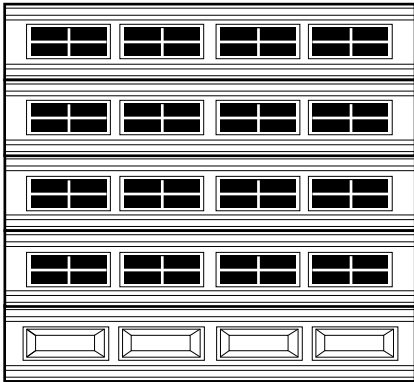


16'2" X 12' (4930 X 3660)

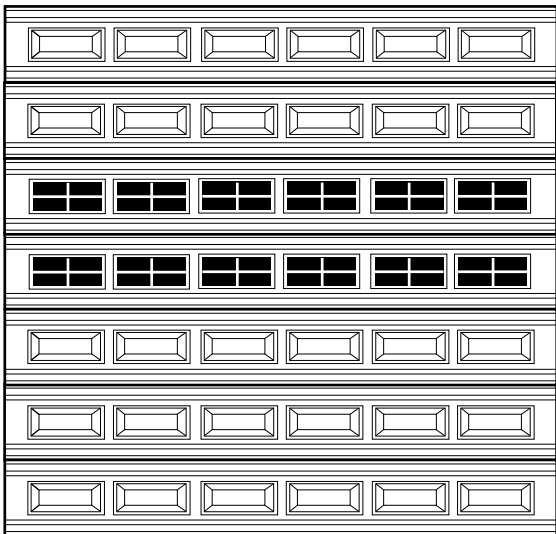


20'2" X 14' (6150 X 4720) (Commercial Aluminum Full View - 2 rows)

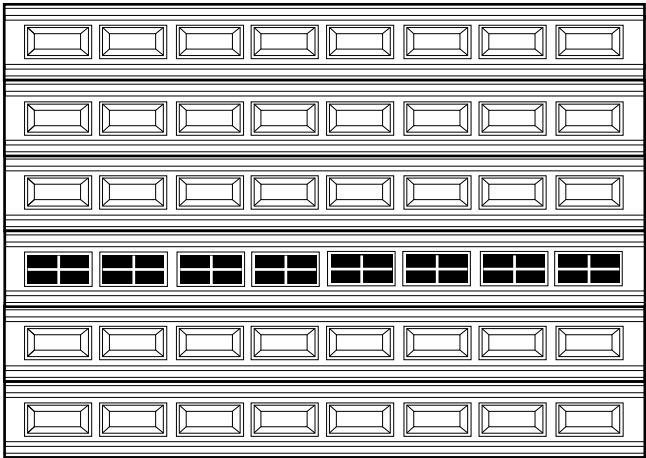
Commercial Woodline with Virginian Window Examples



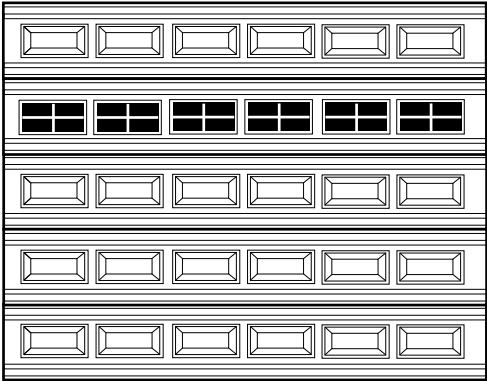
10'2" X 10' (3100 X 3050)



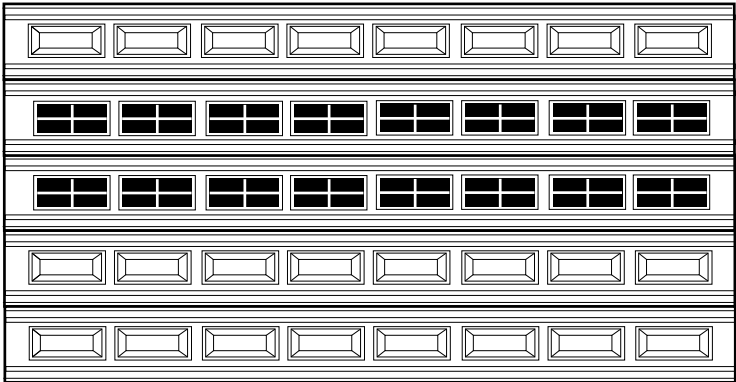
14'2" X 14' (4320 X 4270)



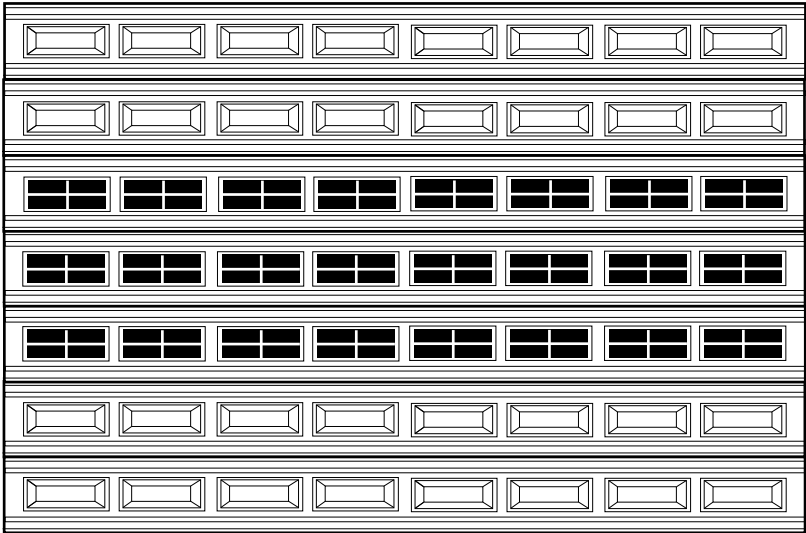
16'2" X 12' (4930 X 3660)



12'2" X 10' (3710 X 3050)



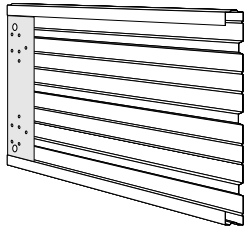
18'2" X 10' (5540 X 3050)



20'2" X 14' (6150 X 4720)

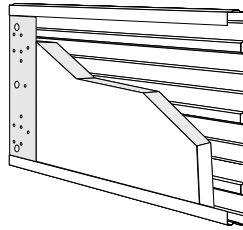
Other Drawings

Regular



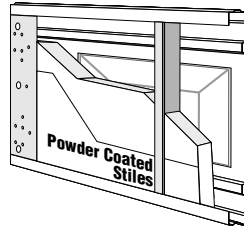
Cut-away view

Insulated



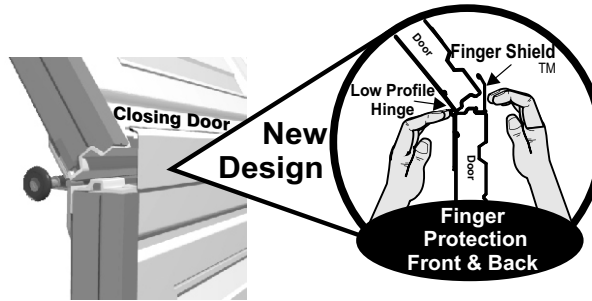
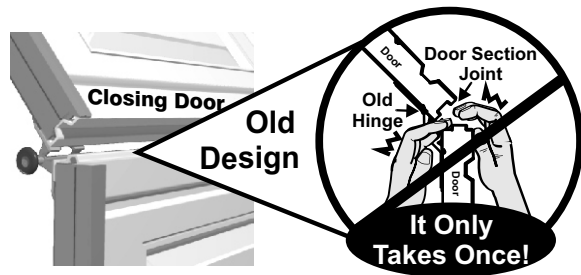
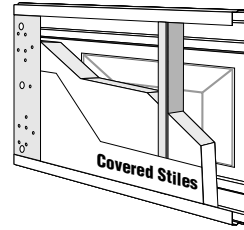
Cut-away view (insulated)

Series I

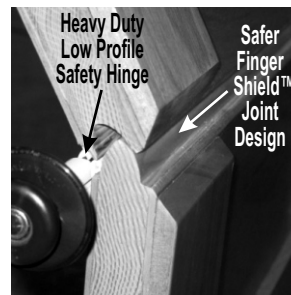
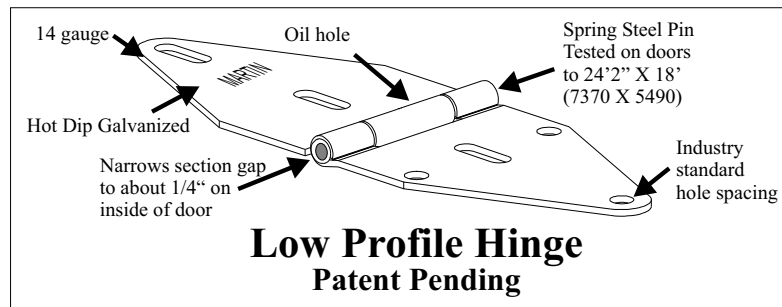


Cut-away view (insulated with steel back)

Series II

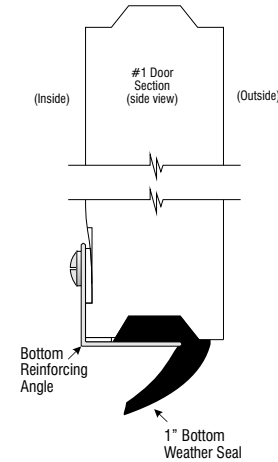


Antique Hinge and Handle

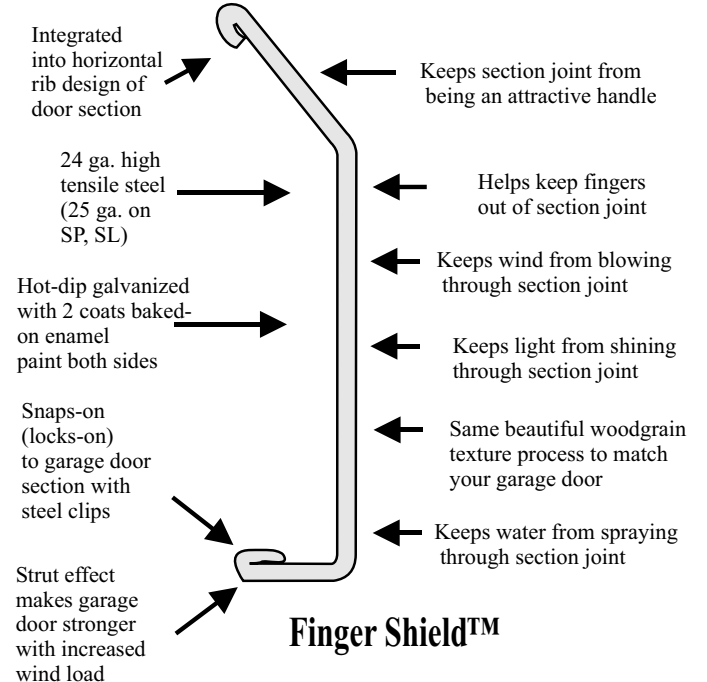
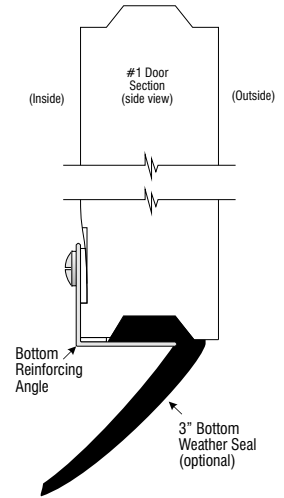


CH Carriage House Wood Door

Bottom of Door



Bottom of Door (uneven floor)





**Dave Martin Stands Behind
every Martin Door We Make!**



COPYRIGHT © 2004

MARTIN DOOR MANUFACTURING

Most older steel sectional Martin Doors can be upgraded with the newest safety features.