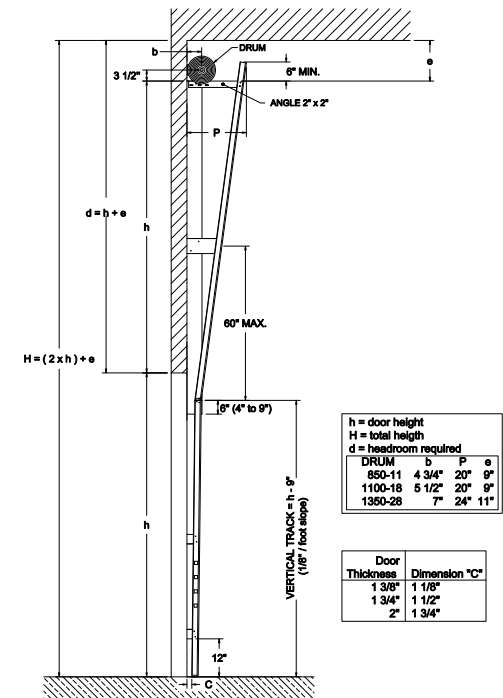
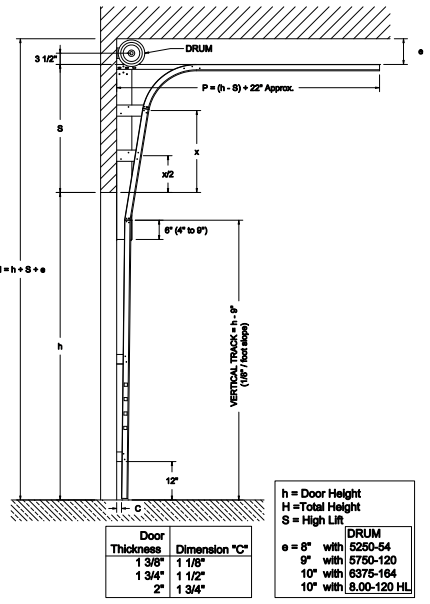


**Lift types**

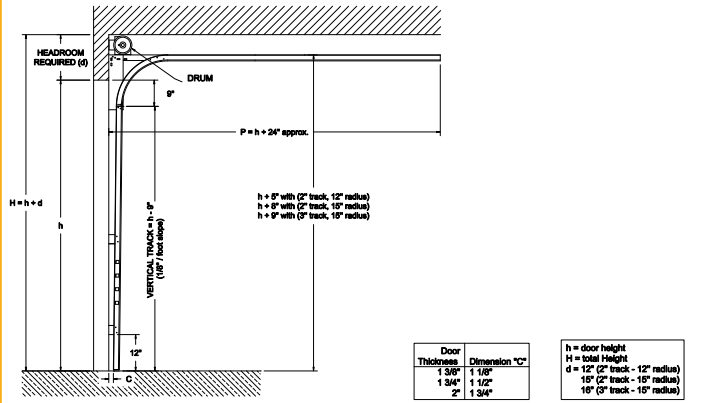
**Full vertical Lift (FV)**



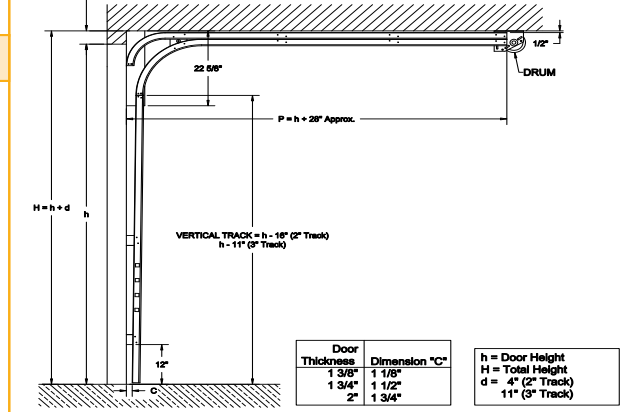
**High-Lift Track (HL)**



**Standard Lift (STD)**



**Low Headroom (LHR)**

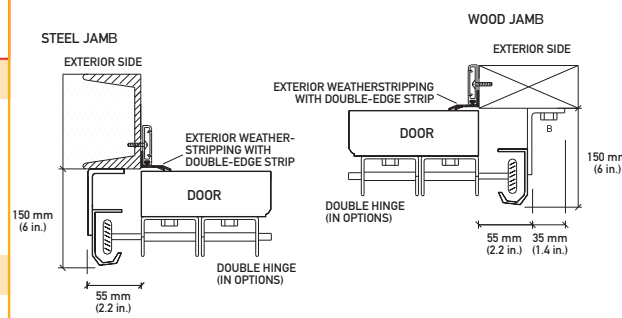


**Chart for electric operators**

Motor power	G-1000	G-2000	G-3000
1/2 HP	200 ft² (5 m²)	145 ft² (5m²)	125 ft² (23 m²)
3/4 HP	325 ft² (23 m²)	260 ft² (19 m²)	230 ft² (23 m²)
1 HP	435 ft² (37 m²)	300 ft² (37 m²)	260 ft² (23 m²)

Note: this chart is valid for doors without windows or pass doors.

**Door frame**



Garaga has been established since 1983 and is a leading manufacturer of garage doors in Canada. Garaga continually develops state-of-the-art technology for the construction of the most efficient garage doors on the market.

The company is specialized in the construction of residential, commercial and industrial garage doors and custom hardware.

Whatever your specific needs may be, you can trust Garaga. Garaga relies on a Canada wide network of professional certified installers across Canada, who have the expertise to fulfill all your requirements.

Garaga, a choice you'll never regret !



**GARAGA Inc.**  
8500, 25<sup>th</sup> Avenue  
St-Georges, QC, Canada G6A 1K5  
Tel: **418 227-2828**  
Fax: 418 227-6282  
E-mail: [info@garaga.com](mailto:info@garaga.com)

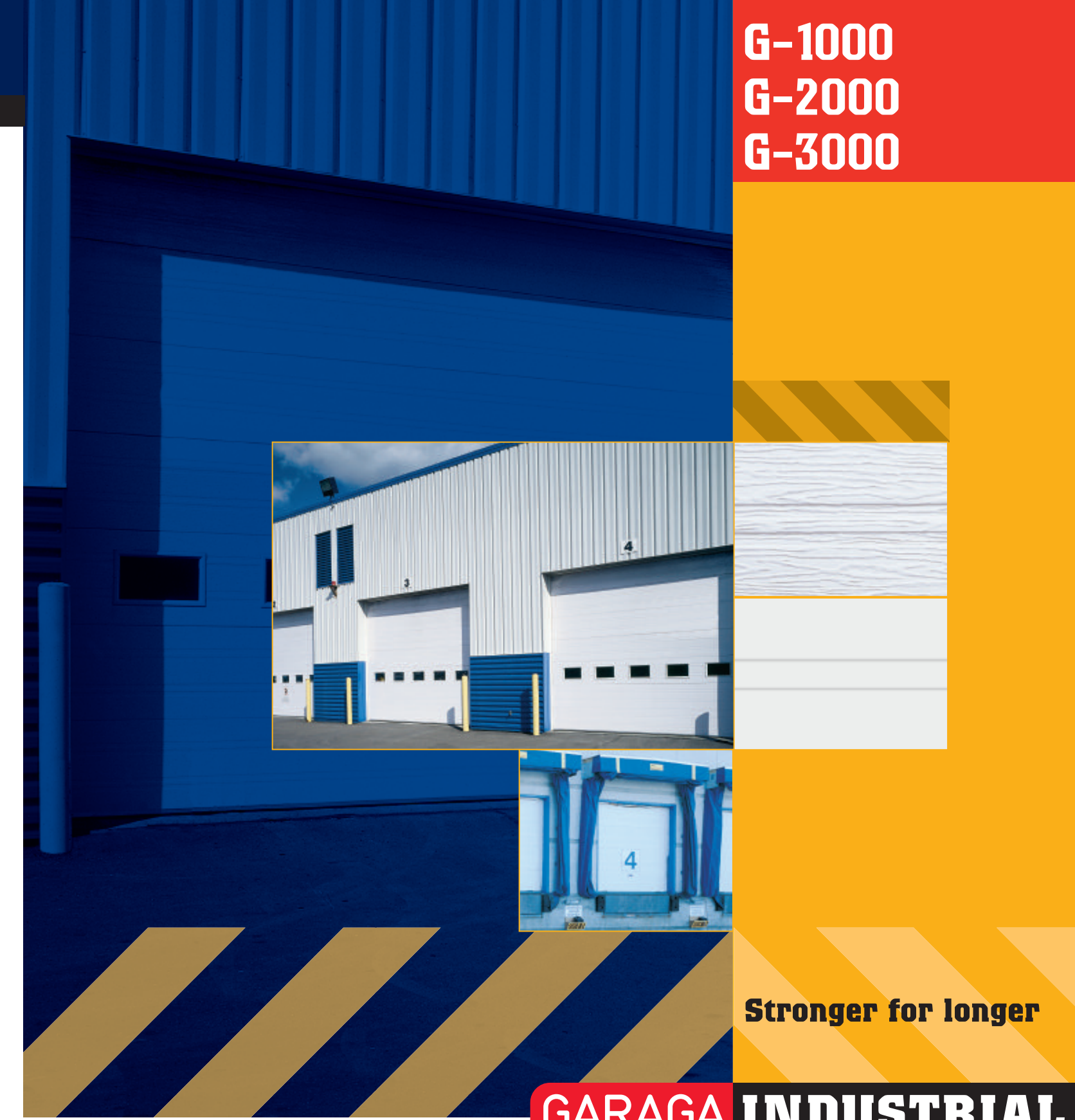
[www.garaga.com](http://www.garaga.com)

Products manufactured in Canada

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**Stronger for longer**

**GARAGA INDUSTRIAL**



The G-1000 doors (aluminum), G-2000 and G-3000 (steel) are designed for commercial and industrial use. These high quality doors are offered in a wide variety of sizes and offer a higher insulation factor than products of the same category.

### G-1000 G-2000 G-3000

#### Features

- 1 G-1000: aluminum pre-paint (five coats of protective finish) thickness of 0.60 mm. Woodgrain finish on both sides of the door. Choice of 10 colours.
- 2 G-2000 and G-3000 : hot-galvanized steel, gauge 23/23 for the G-2000 and gauge 20/23 for the G-3000 doors. Smooth finish on both sides of the door. Colour: white only.
- 3 Rustproof baked-on polyester paint. Can be repainted.
- 4 1 3/4 in. (44.5 mm) insulated door with high-pressure injected polyurethane foam ensuring a high thermal-resistance rating of R-16.04 (RSI 2.8), and the solidity of a composite material.  $k=0.357 \text{ W/m}^2\text{K}$
- 5 Solid mechanical overlap joint increases the weathertightness of the door and prevents delamination.
- 6 Thermal break between the interior and exterior faces of each section.
- 7 Flexible tubular bottom weatherstripping ensuring the weathertightness of the threshold.
- 8 Flexible top weatherstripping 2 1/2 in. (64 mm) and aluminum extrusion for aluminum doors of 10 feet (3048 mm) wide and over.
- 9 14-gauge reinforcement plates inserted within the door section for hinges and handles attachment.
- 10 Wood end blocks, guaranteed against cracking, provide a thermal break with the exterior of the door. Steel end cap (for steel doors) or aluminum end cap (for aluminum doors) are available as an option.
- 11 Door weight: G-1000: 1.5 lb/ft<sup>2</sup> (7.3 kg/m<sup>2</sup>), G-2000: 2.85 lb/ft<sup>2</sup> (13.9 kg/m<sup>2</sup>), G-3000: 3.15 lb/ft<sup>2</sup> (15.4 kg/m<sup>2</sup>).
- 12 13-gauge, 2 in. (51 mm) hardware tracks or 12-gauge or 3 in. (76 mm) industrial tracks. Torsion spring. Sturdy galvanized steel suited to the door usage. Springs from 25 000 to 200 000 cycles are recommended for high usage doors.

#### Windows

Sealed thermal glass are inserted into a moulded PVC frame which is cast without joints and guaranteed for 10 years against any glass sealing defect. Window frames are offered in White, Brown and Ivory.



Full vision window sections (service-station type) are composed of glass sections, inserted into clear anodized or white pre-painted aluminium extrusion. Several types of glass (tempered, tinted, etc.) are available. Contact our customer service department.



#### Available sizes

##### G-1000 (aluminum)

**Widths:** from 5 to 29.5 feet, in 1 in. increments  
from 1.5 to 9.0 m, in 25 mm increments  
**Heights:** from 6 to 24 feet, in 1 in. increments  
from 1.8 to 7.3 m, in 25 mm increments

##### G-2000 and G-3000 (steel)

**Widths:** from 5 to 24 feet, in 1 in. increments  
from 1.5 to 7.3 m, in 25 mm increments  
**Heights:** from 6 to 24 feet, in 1 in. increments  
from 1.8 to 7.3 m, in 25 mm increments

#### Sealed thermal glass

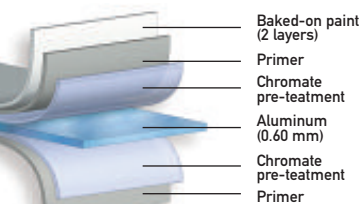
**Size of the windows:** 21 in. x 8 in. (533 x 203 mm)  
21 in. x 13 in. (533 x 330 mm)  
26 in. x 13 in. (660 x 330 mm)  
30 in. x 13 in. (762 x 330 mm)

**Width of the doors:** 8' 9' 10' 12' 14' 16' 18' 24' 29'  
21 in. windows: 3 4 4 5 6 7 8 11 13  
26 in. windows: 2 3 3 4 5 6 6 9 -  
30 in. windows: 2 2 3 4 4 5 6 7 -

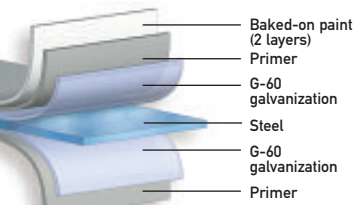
#### Description of the Aluminum or Steel Coating

Hot-galvanized steel (G-60, Z-180) or aluminum coated with five coats of protective finish factory applied provides effective rustproofing and preserves the door's beautiful appearance for years. Given the high quality of the finish, these doors require little maintenance and no additional protection.

##### G-1000 (Aluminum)



##### G-2000 or G-3000 (Steel)



#### Full Vision Sections (Service Station)

##### Number of units per section

96 to 122 in. (2 438 to 3 099 mm) – 3  
123 to 150 in. (3 124 to 3 810 mm) – 4  
151 to 184 in. (3 835 to 4 674 mm) – 5  
185 to 216 in. (4 699 to 5 486 mm) – 6

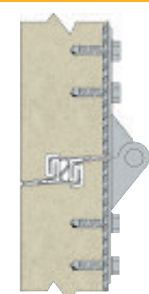
#### Product warranty

Garaga Inc. guarantees its product for 10 years against any perforation of steel due to rust, 10 years on the wood end blocks against cracking and rot, 5 years against delamination of the steel from the polyurethane foam and one year on other components. Some restrictions apply. Contact our customer service department or a Garaga dealer. The Garaga products are sold and installed by a network of garage door specialists throughout Canada and the United States.



#### Panel intersection

14-gauge steel anchor plates  
Full hinge (13-gauge)  
Solid interlocking joint with double weatherstripping contact (thermal break)



#### Double end wood blocks

Wood blocks (pine) provide a thermal break between the exterior and the interior side of the door. Furthermore, the end hinges attach to the wood in the door with large screws and offer a better hold than a self tapping screw in a 16-gauge steel end cap. Thus, it is the ideal combination for a high usage garage door. Double wood end blocks are installed in doors that exceed 12 ft. 2 in. (3.7 m) in width.

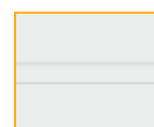
Garaga guarantees the effectiveness of its wood end blocks for 10 years against cracking or deterioration and all other defects, when used under normal conditions. This guarantee applies also for uses such as: car-wash, wood driers and vegetable warehouses.



#### Colours Available

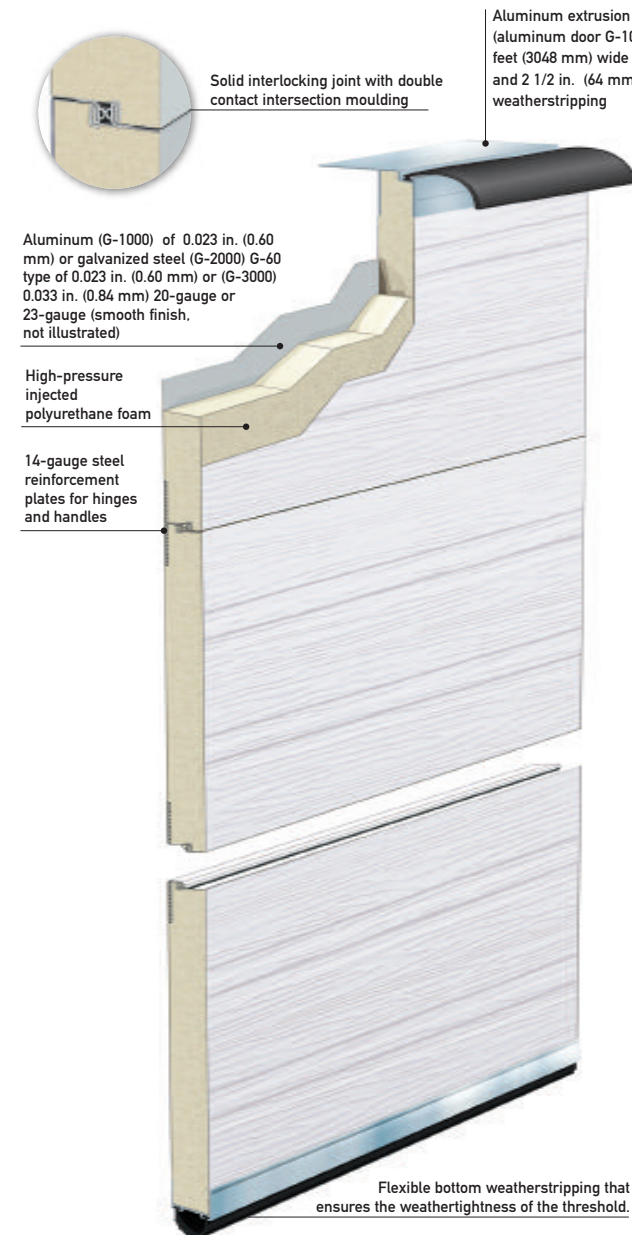
##### G-2000 and G-3000 (steel)

(Textured finish)



White

Colors may differ slightly from reality.



#### Colours Available G-1000 (Aluminum)

(Woodgrain finish)



White Nordic Ivory Sierra Bronze Grey



Terra Brown Universal Brown Slate Blue Heron Blue Evergreen

#### Specifications

##### Product

The doors are the G-1000, G-2000 and G-3000 model, as manufactured by Garaga. The panels are roll formed and electronically high-pressure injected with polyurethane. Overall thickness: 1 3/4 in. (44.5 mm).

##### Metal

**G-1000:** aluminum skin with a thickness of 0.023 in. (0.60 mm) in accordance with standard A.S.T.M. D.1400 for the thickness of the protector film and standard A.S.T.M. D.659 for its resistance to discoloration. The surfaces of the sheets are woodgrain with four decorative horizontal grooves.

**G-2000 and G-3000:** both sides of the door, are 23 gauge galvanized steel sheets for the G-2000 and 20 gauge on the exterior and 23 gauge on the interior for the G-3000 model and in accordance with standard A.S.T.M. A.642, have G-60 coating. The galvanized sheet G-60 has a zinc coating (or Z-180, 180 gr/m<sup>2</sup>) in accordance with standard A.S.T.M. A.525-M. The polyester paint finish (2 layers) conforms with standard A.S.T.M. D.1005 and has a thickness of 1.0 mils. The surface of the steel sheet is smooth with four decorative horizontal grooves.

##### Insulation

High-pressure CFC-11 free, polyurethane foam is injected between the walls of each panel. Its density is 2.5 lb/ft<sup>3</sup> (40.4 kg/m<sup>3</sup>) with a thermal resistance factor of R:16.04 ( $k=0.357 \text{ W/m}^2\text{K}$ ). The insulation is in accordance with standards ONGC 51-GP-21M and 51.26-M86.

##### Windload

The sections and the tracks are designed to meet or exceed the industry standard for windload. (Note: for high wind situations, consult our engineering service).

##### Reinforcements

14-gauge steel reinforcement plates are inserted within the door panels to provide proper fastening for such hardware accessories as the hinges, handles and plate for the trolley garage door operator.

##### Panel ends

A block of dry pine is inserted at both ends of each insulated garage door section for the fastening of the end hinges.

##### Windows

Regular: double sealed thermal glass windows with a total thickness of 7/8 in. (22.2 mm), sealed in aluminum spacer. Assembled units are inserted in a moulded PVC frame (offered in White, Brown, Desert Sand and Claystone).

Full vision: double pane sealed, total thickness of 5/8 in.

(16 mm), sealed in aluminum spacers. The windows are inserted in aluminum tubular extrusions (anodized or white) 0.063 in. (1.6 mm), and fixed with rigid PVC mouldings and brackets.

##### Weathertightness

The bottom weatherstripping consists of a PVC extrusion and a semi-circular TPE (Thermoplastic Elastomer) tubing. The top of the door, is made up of an aluminum extrusion installed on aluminum doors of 10 feet (3048 mm) wide and over and a with a 2 1/2 in. (64 mm) wide PVC weatherstrip.

Intersection moulding is a flexible yet rigid PVC weatherstripping and is found at the intersection of each panel. This type of weatherstripping will provide an efficient thermal barrier as well as double weathertightness in accordance with the following standards: when submitted to a pressure of 0.075 kPa which is equivalent to winds of 25 mph (40 km/h), the air infiltration rating as measured using standard A.S.T.M. E-283 shall be of 0.033 litre/second per meter of joint between the door sections.

On the exterior side of the jambs and lintel, weatherstripping is made up of an aluminum extrusion as well as a double-edged strip of arctic vinyl.

##### Options

- 16-gauge galvanized steel end caps (single or double)
- Exhaust ports 3 in. (76 mm) in diameter

##### Hardware

- Tracks of 2 or 3 in. (51 or 76 mm), are mounted with continuous vertical steel angle or with steel brackets.
- 13-gauge galvanized steel hinges and 10-ballbearing rollers. Double hinges and rollers available as an option.
- 22-gauge horizontal struts available for larger doors.
- Torsion type spring available: 10 000 to 200 000 cycles.
- Options available: Fender guard («Z» style), track guard («L» style), chain hoist, pusher springs, tension bridge reinforcement, safety bottom brackets, flanged bearing and rubber rollers.

##### Electric operators

- Technical information available on request.

Our "Construction Specifications" booklet outlines comprehensive technical data about Garaga garage doors. These specifications are available on request or you can find them on our Web site [www.garaga.com](http://www.garaga.com).

Garaga has established a permanent research program for all of its products. As a result of this ongoing quest for improvement, technical specification for G-1000, G-2000 and G-3000 garage doors are subject to change without notice. Garaga also makes a complete line of residential garage doors.