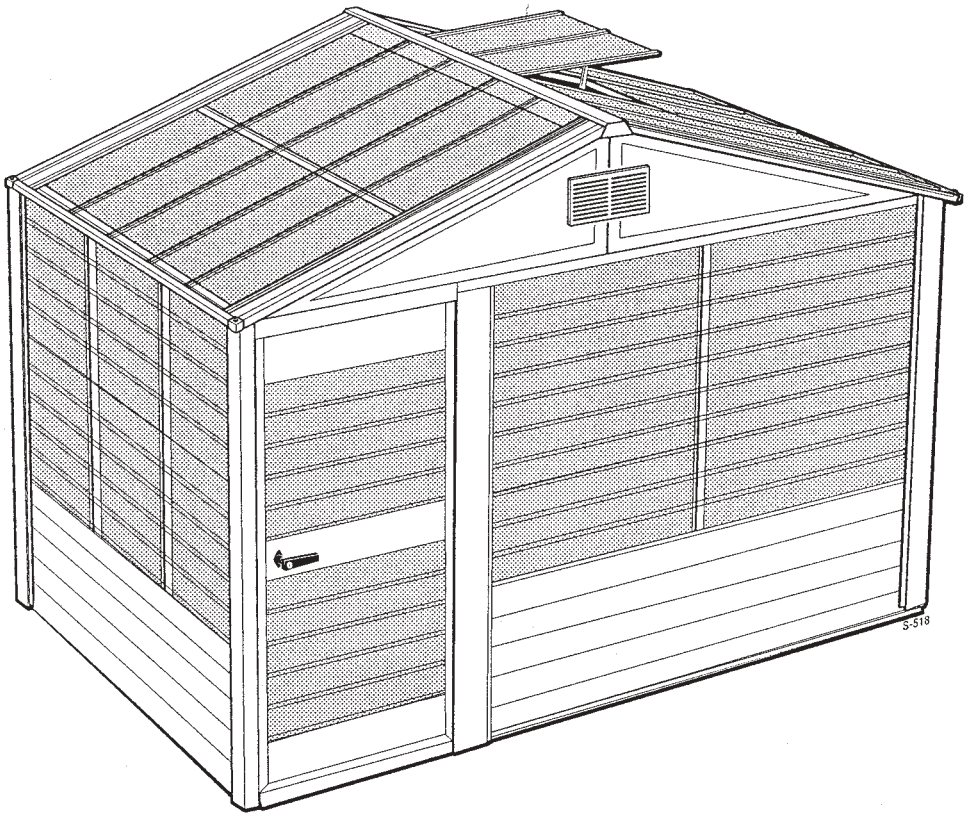
ASSEMBLY INSTRUCTIONS FOR MODEL VSG86-C

Y01

100% CANADIAN

English Instructions	**- Pages 1 - 16**
Instructions en français	**- Pages 17 - 32**
Instrucciones en español	**- Páginas 33 - 48**



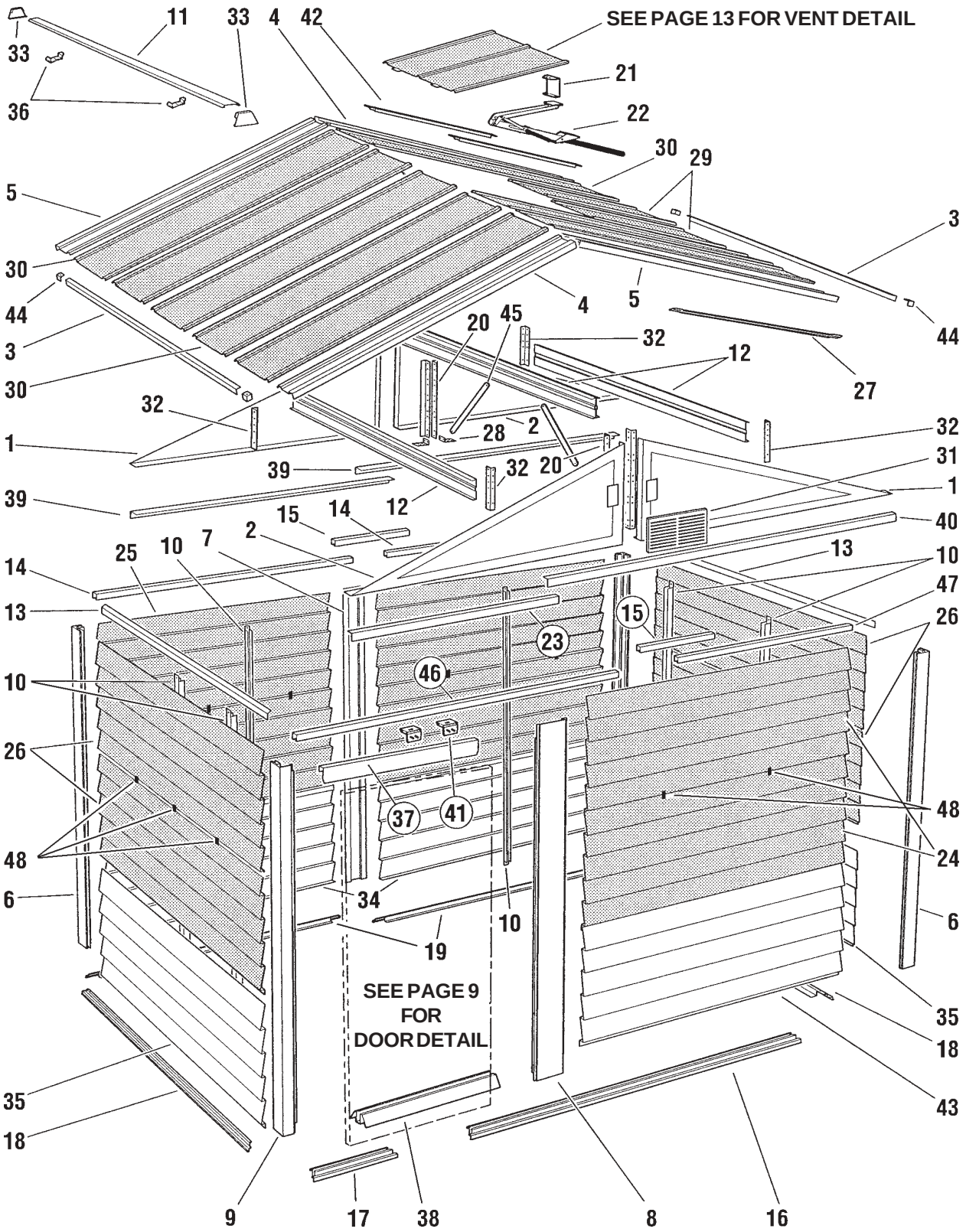
CAUTION: Some parts have sharp edges. Care must be taken when handling the various pieces to avoid a mishap. For safety sake, please read the safety information provided in this manual before beginning construction. Wear gloves when handling metal parts.

EASY TO INSTALL

Manufactured by Spacemaker Limited

15-5810210 **English/French/Spanish** **02/10**

NOTE: Drawing is not to scale, but is designed to show cross sections and general configuration to aid identification of parts.



Parts List

Y03

IMPORTANT... When ordering parts please provide number stamped on the surface of galvalized parts. In the case of wall and roof panels please provide the model number of the building, color and size of panels. To order parts please use order form on the last page.

Assembly Key No.	Part Number	Part Description	Quantity in Carton
1	G842HH	Gable - Left	2
2	G843HH	Gable - Right	2
3	641H	Roof Edge Trim	2
4	818VS	Roof End Panel - Left	2
5	844VS	Roof End Panel - Right	2
6	5G72	Corner Post	3
7	4G72	Splice Post	1
8	89GW	Door Jamb	1
9	869VS	Door Jamb - Post	1
10	72V	Panel Stud	7
11	620H	Ridge Cover	1
12	616H	Ridge Beam	4
13	627GW	Midwall - Top Wall Brace	2
14	86G	Door Track	2
15	SP3	Splice Bar	2
16	67G	Base Rail - Front	1
17	82GH	Base Rail - Front	1
18	63G	Base Rail - Side	2
19	84G	Base Rail - Rear	2
20	37	Ridge Beam Bracket	4
21	GRV30	Vent Opener Bracket	1
22	ACT002	Automatic Vent Opener	1
23	G343VS	Roof Wall Trim	1
24	T21V572	Front Wall Panel - Fiberglass (56 11/16" x 24 1/16")	2
25	T21V452	Rear Wall Panel - Fiberglass (44 7/16" x 24 1/16")	4
26	T21V692	Side Wall Panel - Fiberglass (68 1/8" x 24 1/16")	4
27	GRV20	Horizontal Roof Vent Brace	1
28	36	Gable Support Bracket	4
29	T19V29	Roof Panel - Fiberglass (28" x 13 5/8")	2
30	T19V50	Roof Panel - Fiberglass (50 1/16" x 13 5/8")	8
31	13-100	Louvre	2
32	C51	Ridge Beam Bracket	4
33	49H	Ridge Cover End Cap	2
34	21G45	Rear Panel	2
35	21G69	Side Panel	2
36	#2	Ridge Cover Mounting Clip	2
37	8665VS	Door Fascia	1
38	8610H	Entry Ramp	1
39	741H	Roof/Wall Trim - Rear	2
40	G543VS	Roof/Wall Trim	1
41	A67	Door Glide	2
42	75V	Roof Vent Stud	2
43	21G57	Front Panel	1
44	60H	Roof Corner Cap	4
45	1055	Main Gable Support	2
46	106G	Door Track - Front	1
47	66G	Door Track - Front	1
48	086-350	"S" Clips	12
Door Page 9	19-041	Top Door Brace	1
Door Page 9	19-042	Side Door Brace	2
Door Page 9	19-043	Bottom Door Brace	1
Door Page 9	19-047	Door Angle	4
Door Page 9	GR300	Kickpanel	2
Door Page 9	GR400	Door Center Panel	1
Door Page 9	T21V453	Door Panel - Fiberglass (28 3/4" x 22 1/4")	2
Door Page 9	DH15	Door Handle	1
Door Page 9	19-040	Lock Latch	1
Door Page 9	C17	Spacer	1
Door Page 9	C14	Spacer	2
Page 10	VSG1	Latch Plate	1
Vent Page 13	55H	Roof Hinge	2
Vent Page 13	VSG30	Roof Vent Side Frame	2
Vent Page 13	VSG31	Roof Vent Horizontal Frame	2
Vent Page 13	T19V24L	Roof Vent Panel - Left Fiberglass (24" x 13 5/8")	1
Vent Page 13	T19V24R	Roof Vent Panel - Right Fiberglass (24" x 13 5/8")	1
Vent Page 13	V66W	Vinyl Protector	2
	50H	Aluminum Weatherseal Tape	1
	P61	Plastic Washer Tree	6
	12-127	Hardware Pack	1
	15-5810210	Instruction Booklet	1

CONTENTS

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- Pre-construction instructions
- Assembling the building
- Anchoring the frame
- Parts List and order information

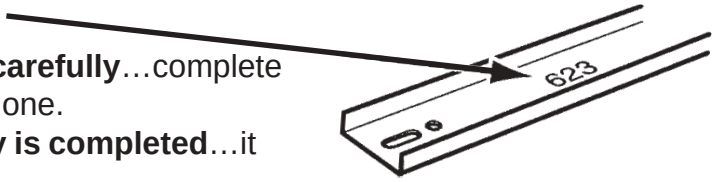
PROCEED WITH CONFIDENCE

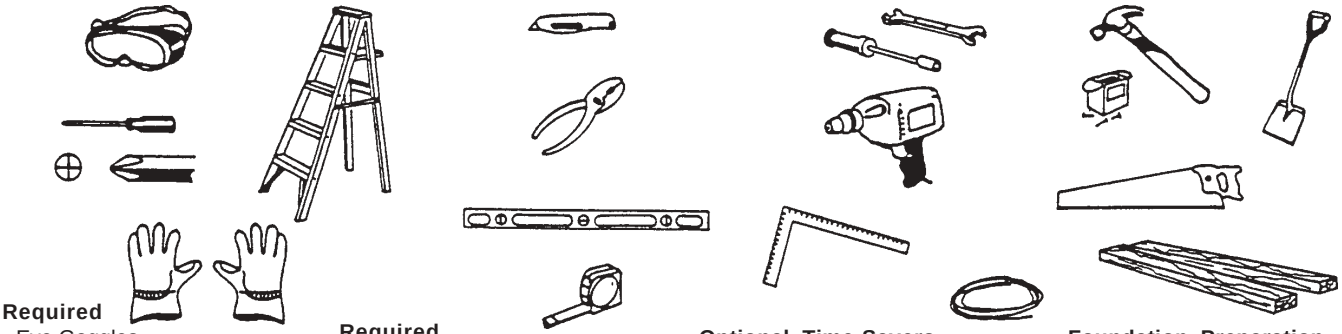
It might look complicated when you first unpack your building…but it really isn't. Simply follow the illustrated instructions and your building will go up quickly and accurately.

ASSEMBLY INSTRUCTIONS

- **Before beginning construction**...check local building codes regarding footings, location and other requirements. Study and understand the owner's manual.
- **You will need assistance**…you'll find that another person will speed the job and make assembly easier.
- **Selecting your site**…choose an area that's firm and level yet allows drainage away from site.

  WARNING! … DO NOT ERECT YOUR BUILDING IN AREAS THAT ARE SUBJECTED TO HIGH WINDS, OR ERECT ON A WINDY DAY. ANY BUILDING LEFT PARTIALLY CONSTRUCTED MAY BE SERIOUSLY DAMAGED IF LEFT IN THIS STATE.
- **Sort and separate all parts and hardware**…checking with the illustrations on Page 2 and the Parts List on Page 3...be sure you have all parts and know where they belong in the building. Each part has been numbered or illustrated, the quantity required and its part number noted.
- **Follow step-by-step instructions carefully**…complete each step before going onto the next one.
- **Retain this manual after assembly is completed**…it contains a complete parts list.





Required
- Eye Goggles
- No. 2 Phillips Screwdriver (with Hardened Magnetic Tip)
- Work Gloves
- Step Ladders

Required
- Utility Knife / Scissors
- Pliers
- Carpenter's Level
- Tape Measure

Optional Time-Savers
- Wrench / Nut Driver
- Electric / Cordless Drill
- Square
- String (for squaring frame)

Foundation Preparation
- Hammer and Nails
- Spade or Shovel
- Hand Saw / Power Saw
- Lumber and/or Concrete

BUILDING CARE

- **Carefree maintenance –** Your building has been designed to give you years of carefree service. All parts have been precision engineered for a perfect fit. It is manufactured from heavily galvanized steel with exterior parts pre-enameled on both sides at the steel mill.
- **IMPORTANT – This building is designed to withstand normal wind loads when installed according to instructions. Manufacturer cannot be held responsible for any consequences due to buildings that are not installed per instructions or for damage due to weather conditions or acts of God.**

Y05

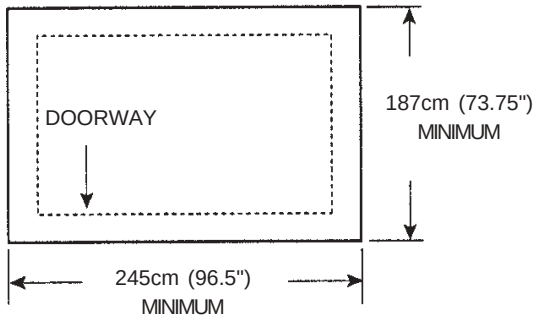
PERSONAL SAFETY DURING BUILDINGS CONSTRUCTION

Some of the building components may contain sharp edges prior to assembly. Wear protective work gloves while handling these components. Wear eye protection when using any form of power tool. Do not use household voltage power tools in a wet or damp environment. Household voltage power tools must be monitored and controlled by a Ground Fault Interrupter or more commonly called a G.F.I. Do not use any part of the building's frame as a means of personal support while attaching components during assembly.

PREPARATION OF BUILDING SITE

This building must be constructed on a **SOLID BASE FOUNDATION**. We recommend a poured concrete pad or large size concrete patio stone squares for a suitable floor and base. Which ever you select…*make sure your foundation area is firm and level and will allow drainage away from the site.* Make your solid base foundation at least 4" (100mm) larger than your building. **The manufacturer is not responsible for the choice and the construction of the foundation.**

NOTE: For a concrete pad base, prepare a level bed for a firm footing layer of crushed stone. The concrete pad should then be poured to a thickness of 4" (100mm) to 5" (125mm). When completed, allow to dry thoroughly for at least 48 hours.



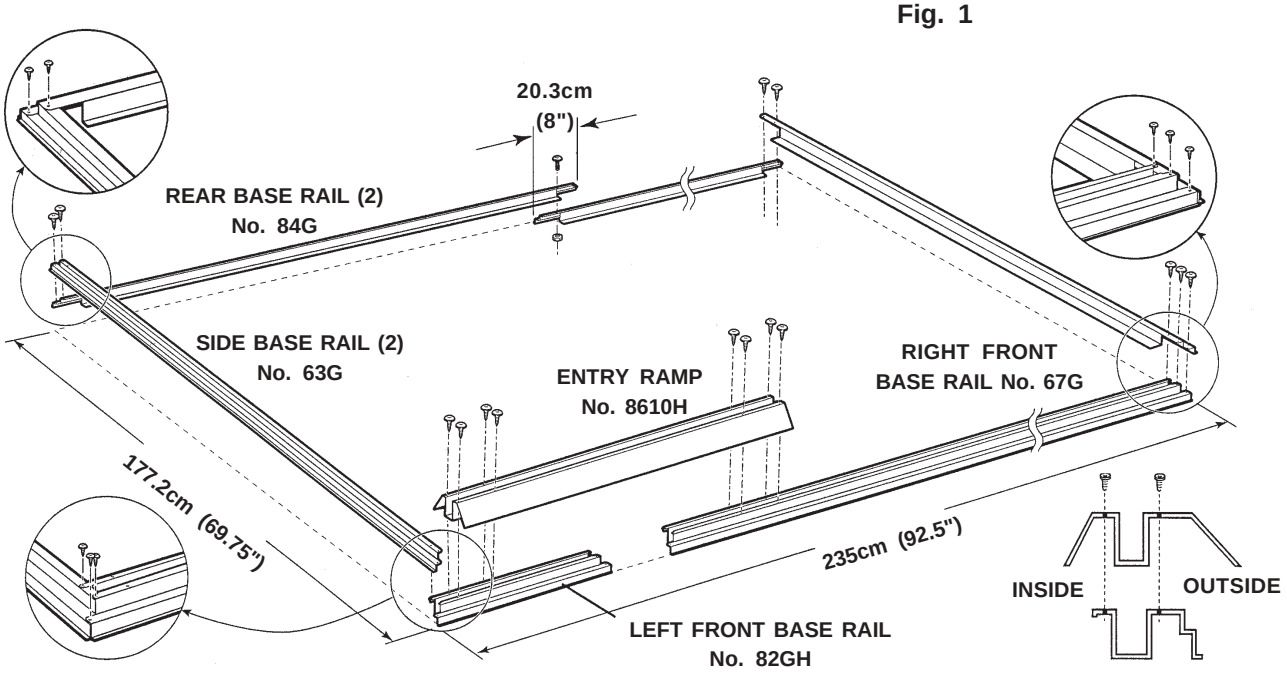
STEP **1**

BASE FRAME ASSEMBLY

1. Assemble base rails into a base frame by selecting the appropriate parts as shown below.
2. On completion, check base frame for squareness by measuring diagonal corners.
   Your measurements must be equal.

84G	Rear Base Rail	2
63G	Side Base Rail	2
82GH	Left Front Base Rail	1
67G	Right Front Base Rail	1
8610H	Entry Ramp	1

Fig. 1



STEP **2**

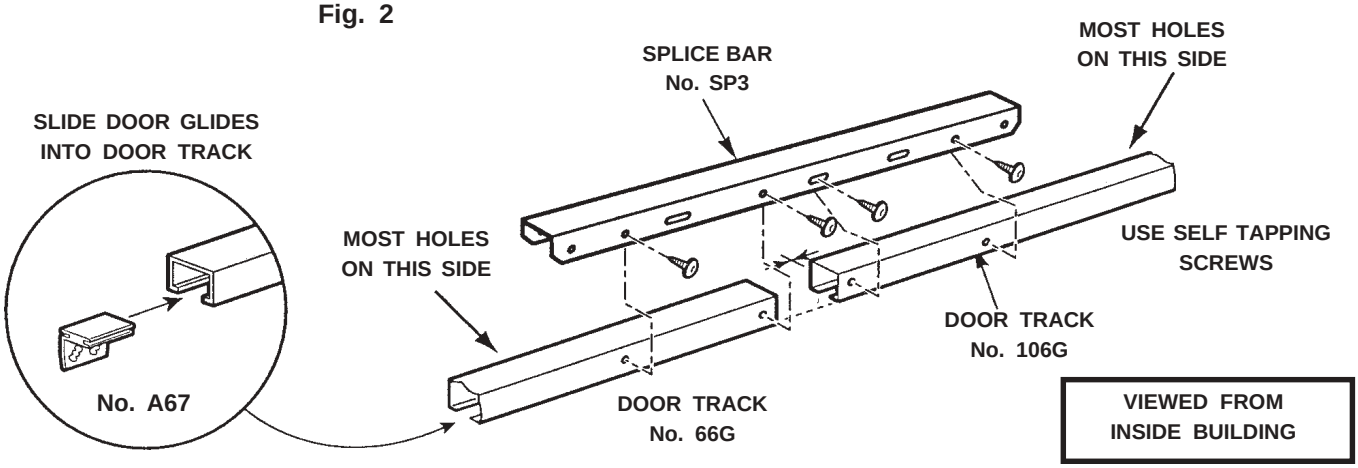
REAR TOP WALL RAIL AND DOOR TRACK ASSEMBLY

1. Place rear top wall rails (2 pcs.) No. 86G end to end and join using a splice bar No. SP3. Fasten using self tapping screws on the surface of the completed rail that will face inside.
2. Assembly of the door track assembly is identical with the above except that door tracks No. 106G and No. 66G are used. Insert the 2 door glides No. A67 into the top wall rail assembly. Ensure the flat side of the door glides are facing toward the outside of the building.

86G	Rear Top Wall Rail	2
SP3	Splice Bar	2
66G	Door Track - Front	1
106G	Door Track - Front	1
A67	Door Glides	2

Do not insert any screws into the outside surface of either completed rail until instructed.

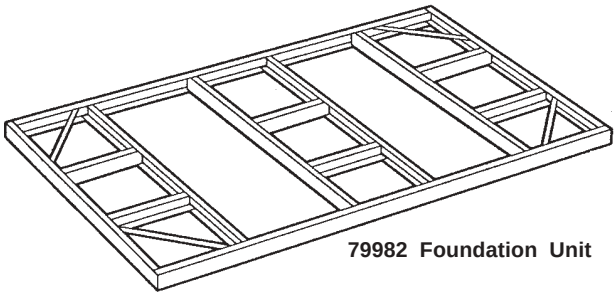
Fig. 2



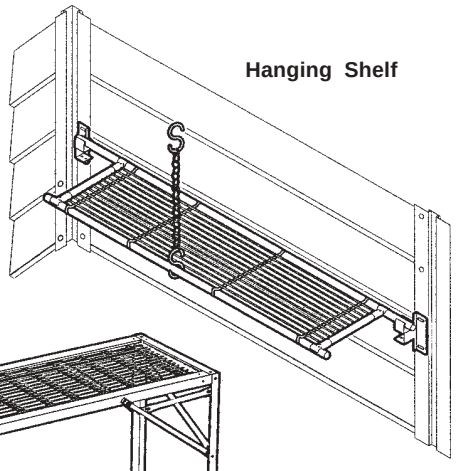
AVAILABLE OPTIONS

Please consult your building supplier for pricing and availability.

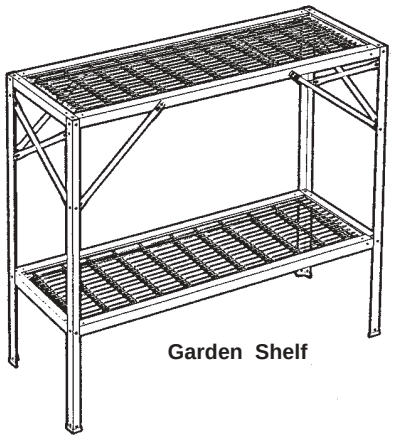
Use a **Foundation Unit model 79982** to ensure that the base of the building is level and square. We recommend that you contact your garden supplier for suitable flooring material.



79982 Foundation Unit



Hanging Shelf



Garden Shelf

Optional Accessory Kits **#26809** containing one **Garden Shelf** and one **Hanging Shelf** are available if you have shelving requirements.

STEP
3

FITTING CORNER POSTS, TOP FRAME, SPLICE POSTS, DOOR JAMBS AND PANEL STUDS

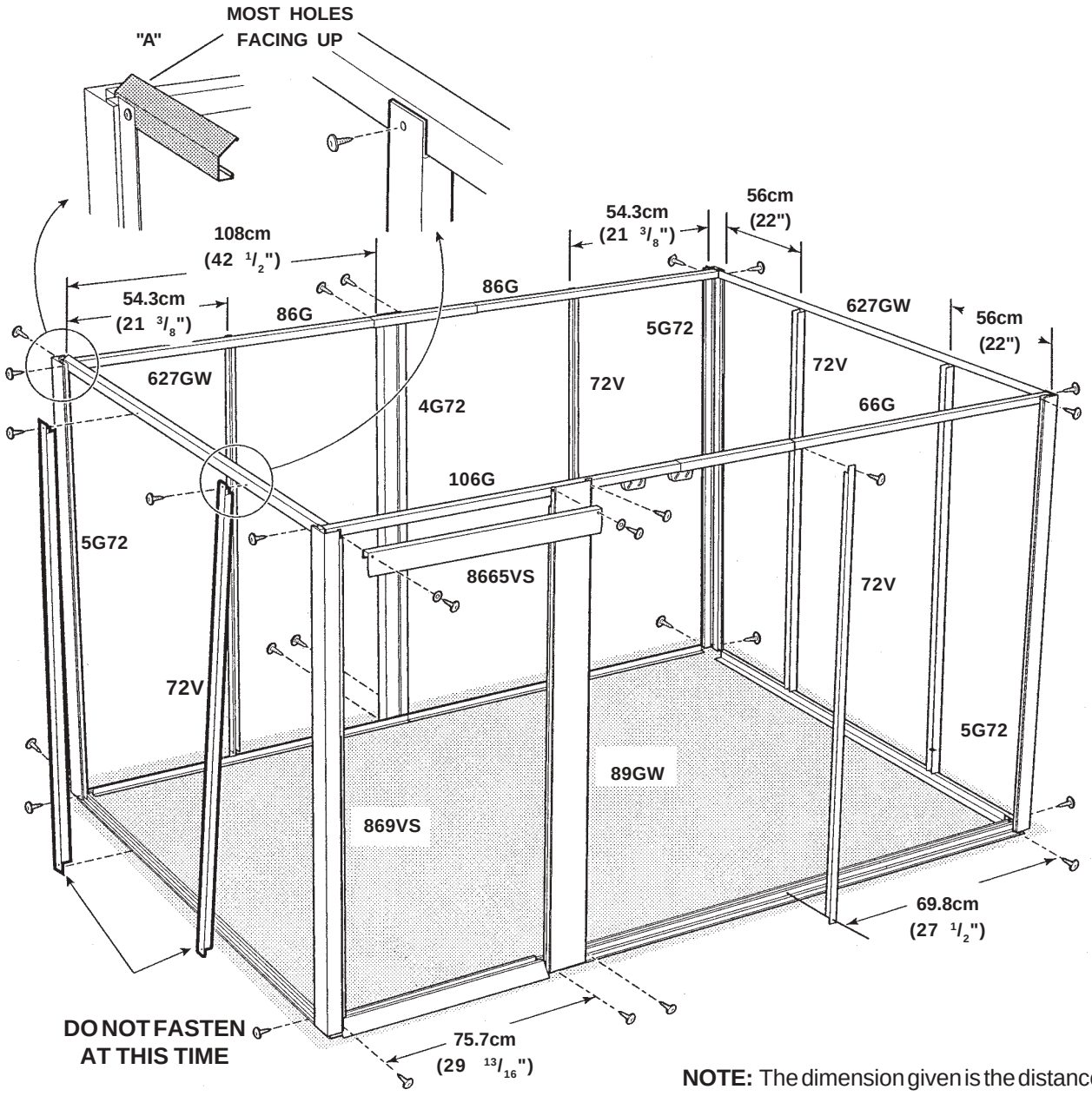
IMPORTANT INSTALLATION NOTE: Your building must be assembled with the door installed on the left-hand side of the building.

NOTE: Corner posts No. 5G72 should be supported in an upright position until the top rear wall assembly, top side wall rails No. 627GW and door track assemblies have all been attached.

5G72	Corner Post	3
869VS	Door Jamb/Corner Post	1
Assembled	Rear Top Wall Rail	1
627GW	Side Top Wall Rail	2
Assembled	Door Track Assembly	1
4G72	Splice Post	1
89GW	Door Jamb	1
8665VS	Door Fascia	1
72V	Panel Stud	7

NOTE: The side top wall rails No. 627GW must be installed with the longer angled flange facing toward the center of the building. (See Detail "A")

Fig. 3



NOTE: The dimension given is the distance from the corner post fixing screw to the post, jamb or stud fixing screw.

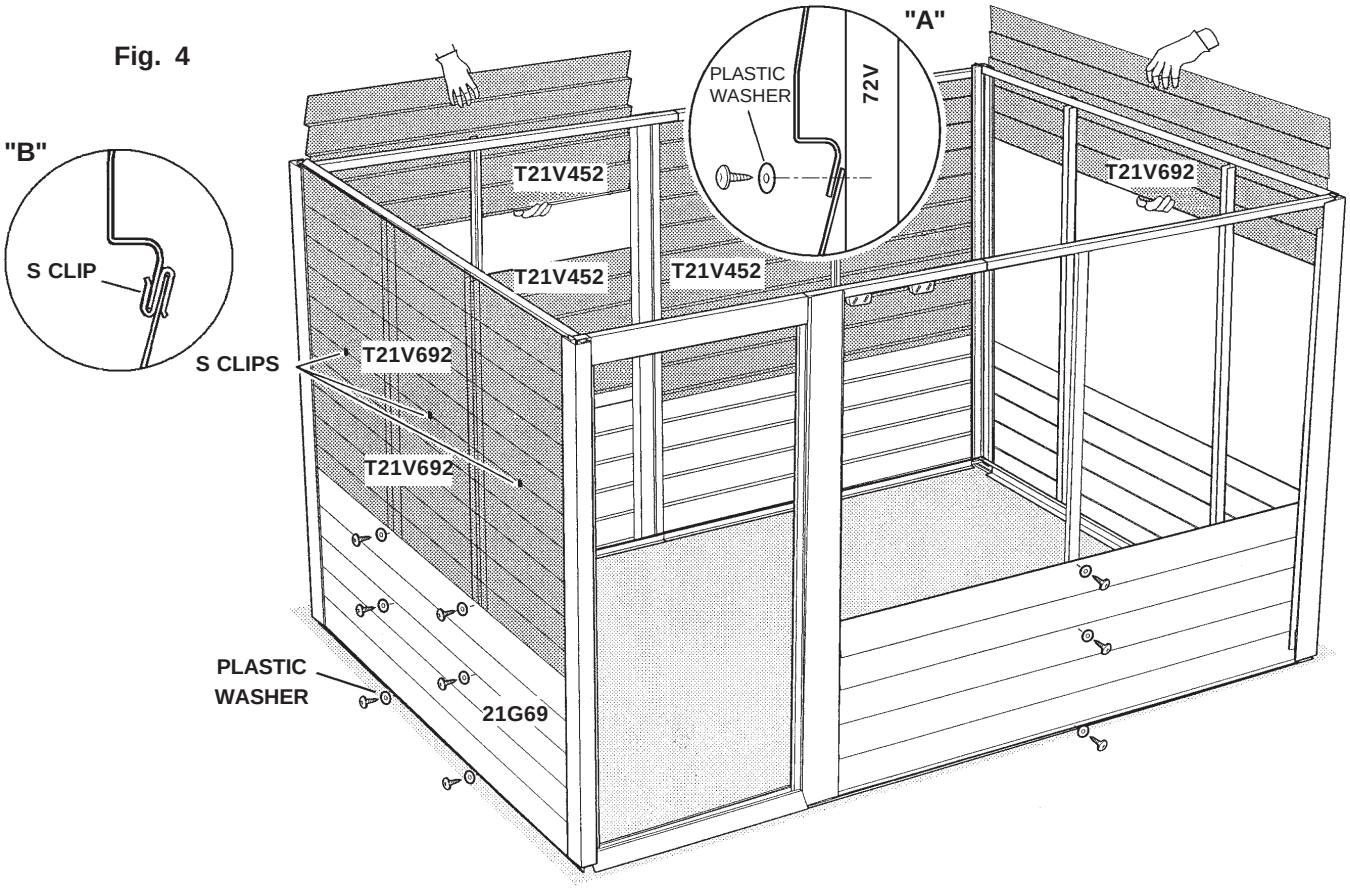
STEP **4**

INSERTING WALL PANELS

1. Slide steel side panel No. 21G69 into the grooves provided on the edges of the corner posts and slide them to the bottom of the corner posts. Align the fixing holes of the panel and panel studs with those found in the base rail. Continue to install the rear and front panels No. 21G45 and No. 21G57.
2. Using self tapping screws and plastic washers attach steel panel and panel studs to the fixing holes provided in the base rails.
3. Slide a fiberglass side panel No. T21V692 into the grooves of the corner posts. Slide the fiberglass side panel down to the previously fitted steel wall panel, ensuring the lower edge of the fiberglass panel overlaps the outside front edge of the steel panel. (See illustration "A" for correct method of installing panels.) Continue inserting the rear and opposite side panels No. T21V452 and No. T21V692. Using self tapping screws and plastic washers attach the steel and fiberglass panels to the panel studs No. 72V.
   INSTALLATION NOTE... Before installing the uppermost fiberglass panel you must temporarily remove the self tapping screws from the upper fixing hole of the panel studs No. 72V where they join the top wall rail. When attaching the uppermost fiberglass panel, the previously removed self tapping screws, now fitted with plastic washers, will be refitted so they attach the uppermost fiberglass wall panel and panel stud to the top wall rail.
4. Install the uppermost fiberglass panel No. T21V692 using the same method as previously described. Install "S" clips between the two fiberglass panels. (See illustration "B" for correct method of installing "S" slips.) Place the "S" clips between the vertical frame components.
5. From the outside of the building, attach all panels to corner posts and panel studs using self tapping screws and plastic washers where necessary and mounting holes exist.
   See illustration on page 10 for reference.

21G69	Side Wall Panel	2
21G45	Rear Panel	2
21G57	Front Panel	1
T21V692	Fiberglass Side Wall Panel	4
T21V452	Fiberglass Rear Wall Panel	4
086-350	"S" Clips	10

Fig. 4



NOTE: If, when installing the wall panels, adjustment is required to slide panels into grooves, this can be achieved by loosening the screws in the corner and splice posts and adjusting.

STEP
5

DOOR ASSEMBLY

For your convenience, the door is preassembled.

Y09

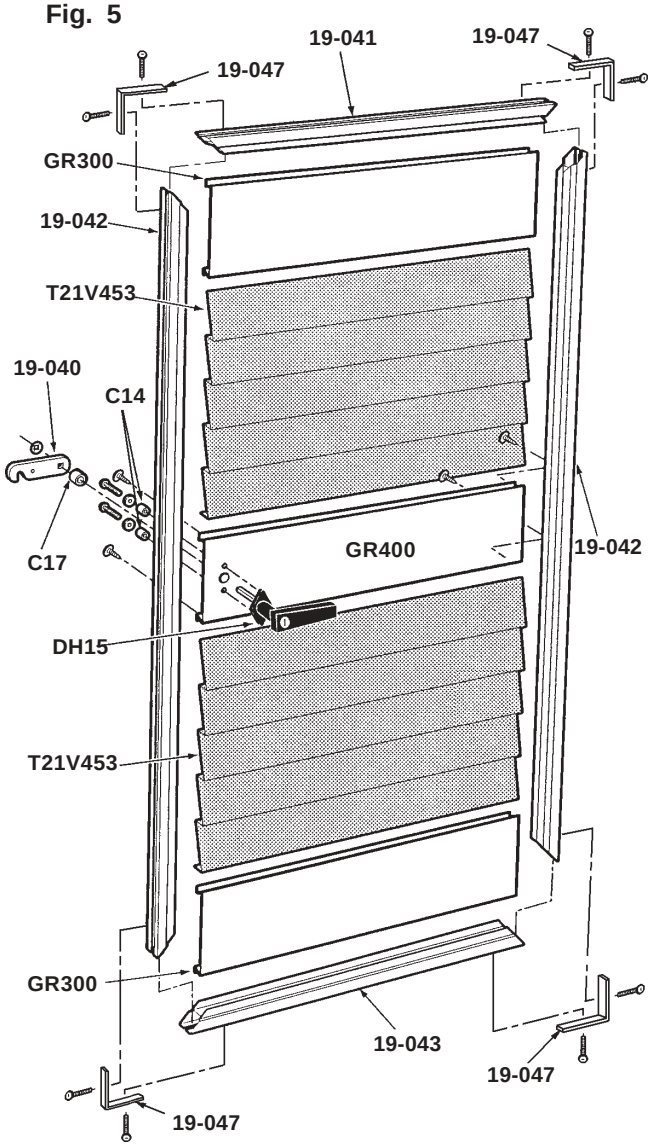
19-041	Top Door Brace	1
19-042	Side Door Brace	2
19-043	Bottom Door Brace	1
19-047	Door Angle	4
GR300	Kickpanel	2
GR400	Door Center Panel	1
T21V453	Fiberglass Door Panel	2
DH15	Door Handle	1
19-040	Lock Latch	1
C17	Spacer	1
C14	Spacer	2
232-015	Screw #8 x 3/4"	4

STEP
6

DOOR INSTALLATION

1. When standing inside the building, place bottom of completed door into the track of the base frame. Slide the door into the open wall position as shown in Figure 6.
2. Tilt the door out to bring it into contact with the door slides. Align the mounting holes of the door with those in the door glides and from the outside of the building, fasten using self tapping screws No. 232-015 (#8 x 3/4").
3. Slide the door into the proper door opening.
4. Install door handle as shown in Figure 5.

Fig. 5



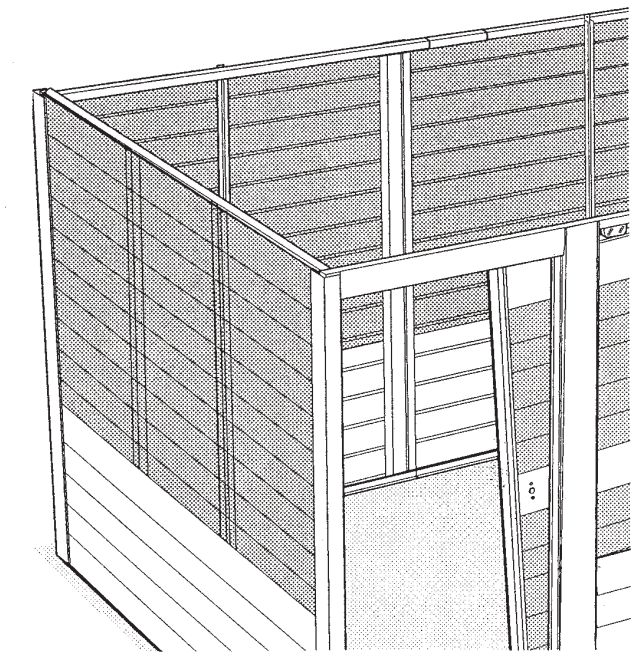


Fig. 6

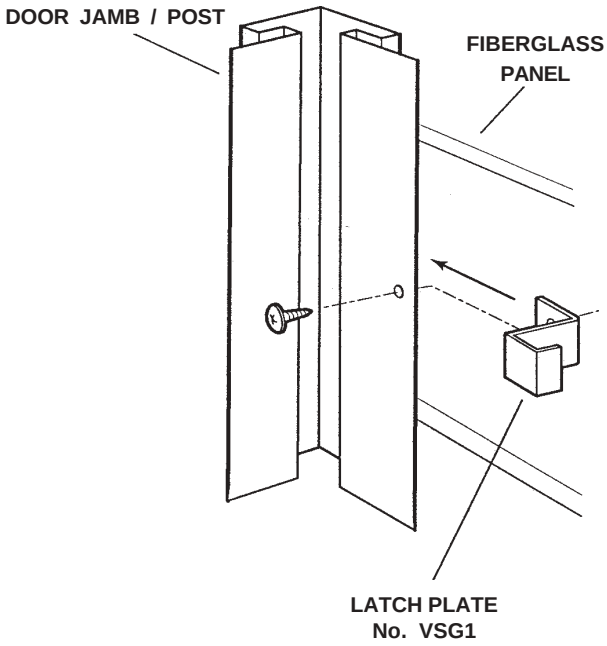
STEP **7**

INSTALLING DOOR LATCH PLATE

Assemble the door latch plate as shown in Figure 7. Install by inserting the plate between the wall panel and the door jamb post. Align holes in the latch plate with those in the door jamb. Fasten in place with a self tapping screw.

VSG1	Latch Plate	1
T21V572	Fiberglass Front Wall Panel	2
086-350	"S" Clips	2

Fig. 7

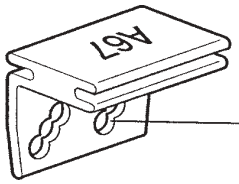


STEP **8**

DOOR ADJUSTMENT (FROM OUTSIDE)

Close the door and check for door hanging squarely in the opening. The squareness of the door can be adjusted by inserting the door fixing screws through any of the 3 adjustment holes provided in the nylon door glides. (See Figure 8)

Fig. 8

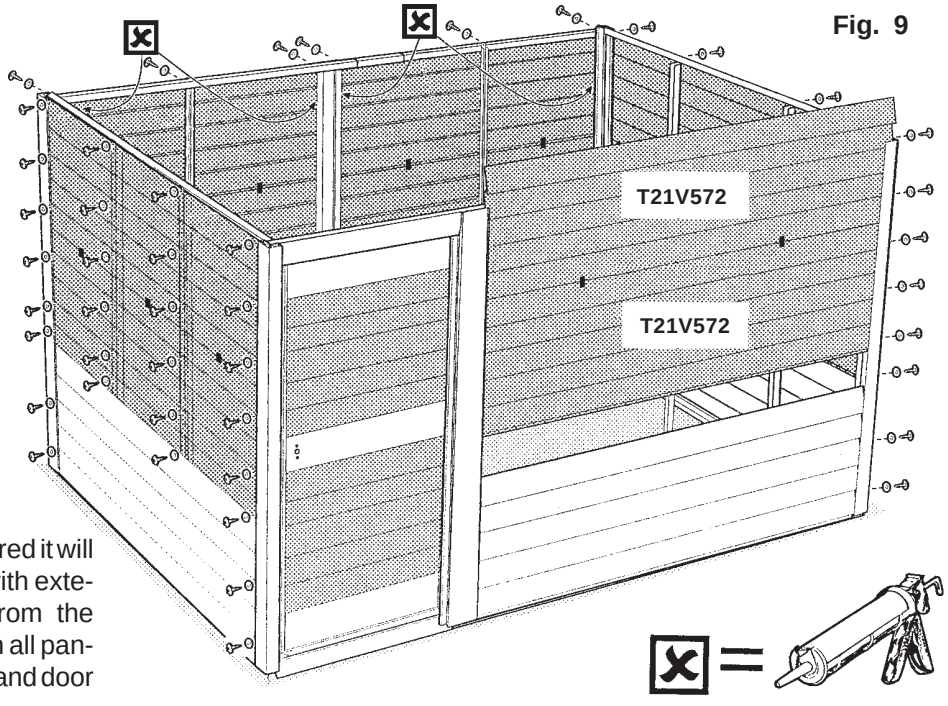


STEP **9**

INSTALLATOIN OF FRONT WALL PANELS

1. Using the methods as used for previously fitted fiberglass panels, install the two fiberglass No. T21V572 panels.
2. Ensure that the top of the fiberglass panels are flush with the top edge of the top wall rail and fasten in place using self tapping screws and plastic washers.

Fig. 9



INSTALLATION NOTE:
After all fiberglass panels are secured it will be necessary to seal the panels with exterior grade silicone caulking. From the inside of the building seal between all panels and corner posts, splice posts, and door jambs.

STEP **10**

PREPARE GABLES AND RIDGE BEAMS

G842HH	Left Gable	2
G843HH	Right Gable	2
C51	Gable Bracket - Secondary	4
616H	Ridge Beams	4
G543VS	Roof/Wall Trim	1
G343VS	Roof/Wall Trim	1
741H	Roof/Wall Trim	2
1055	Main Gable Support	2

Front Gable Assembly

1. Attach a bracket No. C51 to each of the front gables as shown in Figure 10A. Attach each bracket using (2) bolts, nuts and plastic washers.
2. Working on a flat surface, position the 2 gables side by side as shown in Figure 10A.
3. Select the roof/wall trim No. G543VS and No. G343VS. Position the trim as shown.
4. Using self tapping screws, attach roof/wall trim to the underside fixing holes of both gables (See Figure 10A)

Rear Gable Assembly

5. Attach a bracket No. C51 to each of the rear gables as shown in Figure 10A. Attach each bracket using (2) bolts, nuts and plastic washers.
6. Using self tapping screws, attach roof/wall trim No. 741H to the underside fixing holes of each rear gable.

NOTE: When installed, the roof/wall trims are designed to overlap each other by approximately 8.9cm (3 1/2") when the gables are installed on the building. (See Figure 10A)

Prepare Main Ridge Beam

Important Installation Note: One edge of the ridge beam contains a number of fixing holes, these fixing holes are required to face upward and toward the outside of the building when installed.

7. Select (2) ridge beams No. 616H and place back-to-back as shown in Figure 10B, position main gable support No. 1055 in position as shown. Join together using bolts and nuts in holes indicated as black dots.

Your (4) gables, main ridge beam and secondary ridge beams (2) are ready for installation.

Fig. 10B

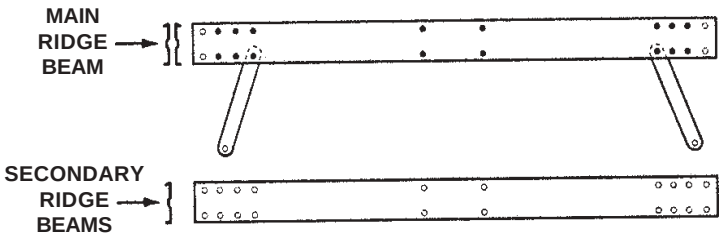
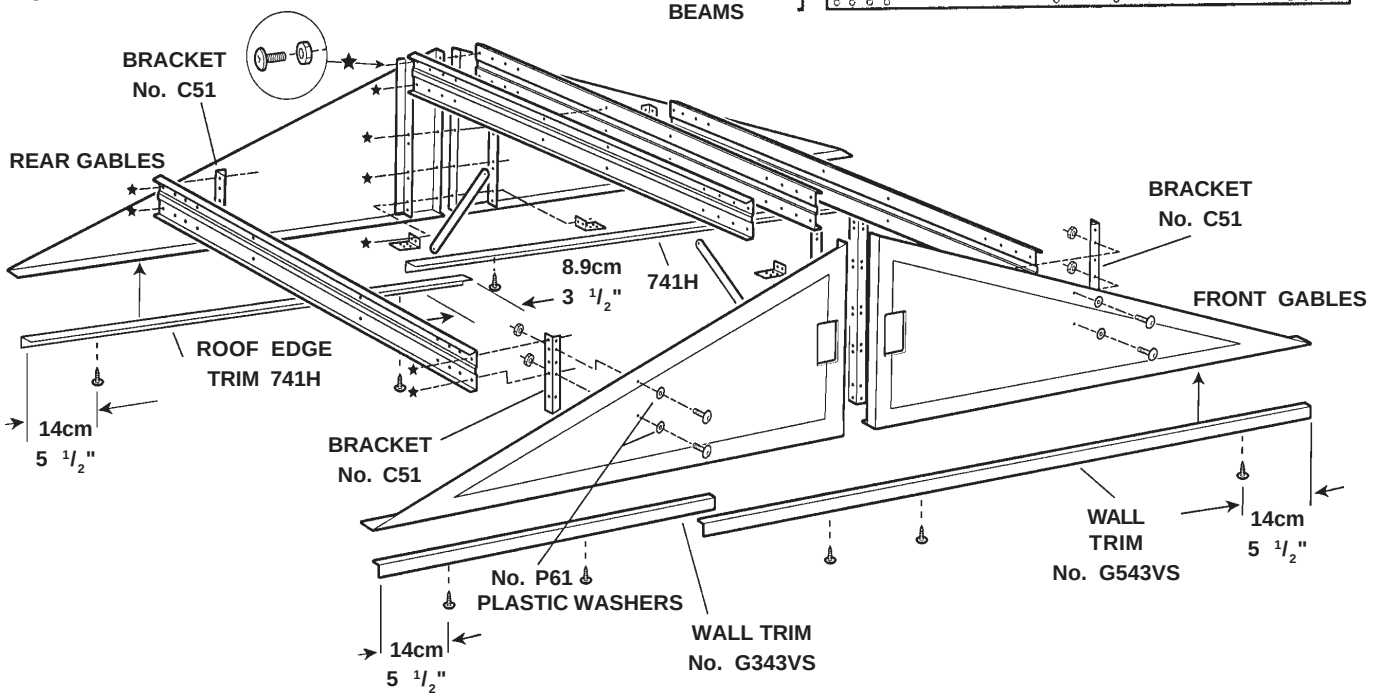


Fig. 10A



STEP **11**

FITTING REAR GABLES, FRONT GABLES AND RIDGE BEAMS

37	Ridge Beam Bracket	4
36	Gable Support Bracket	4
75V	Roof Vent Stud	2

1. Place left rear gable into position and fasten using self tapping screws to rear top rail as shown in Figure 11A.
2. Install right rear gable using the same method.

   NOTE: Ensure that the end lips of the gables are located between the angled lips of the side top wall rails and top surface of the rear top wall rail. (See Figure 11A)

3. Attach left and right gables together using (2) brackets No. 37 with bolts and nuts utilizing the **fifth and seventh holes** from the top of the brackets No. 37. Do not fully tighten at this time.
4. Repeat these instructions for the front gable assembly.
5. **Install Secondary Ridge Beams** as shown in Figure 10A using (2) bolts and nuts through both ends of the ridge beams and brackets No. C51. Ensure that the top angle of the beam follows the angle of the gable.

   NOTE: The edge of the ridge beams containing the most number of fixing holes is required to face upward when installed.

6. **Install Main Ridge Beam.** With assistance, position the main ridge beam's center joint over the upper joint of the gables at each end of the building. Using (2) bolts and nuts at each end of the main ridge beam, attach ridge beam to the upper two vacant fixing holes of the gable joints as shown in Figure 11B. Install gable support brackets No. 36 and main gable support No. 1055 as shown in Figure 11B. Repeat these instructions for opposite end of the building.

Fig. 11A

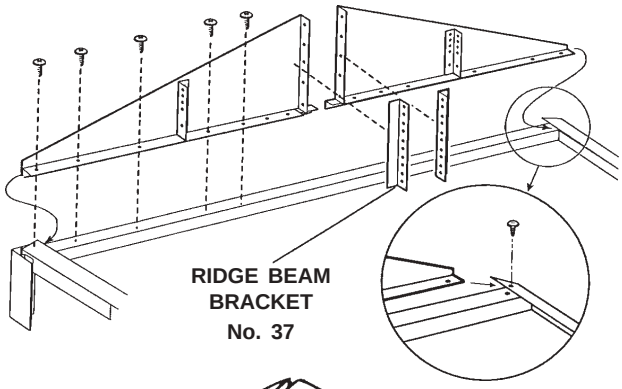
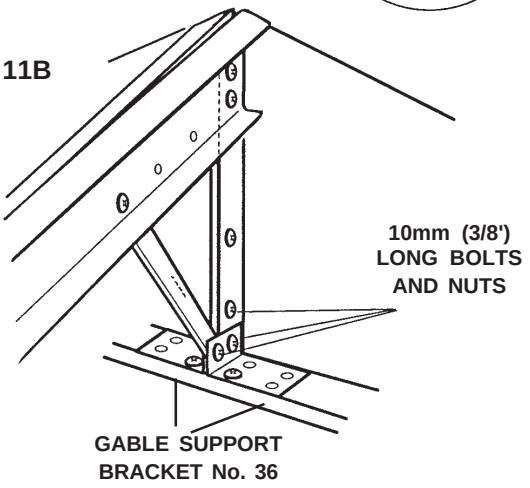


Fig. 11B



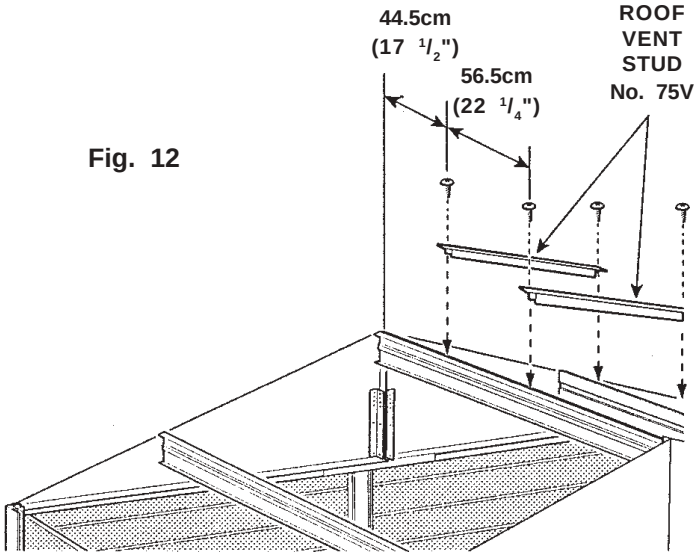
Ensure all bolts and nuts are tightened at this time.
You are now ready to begin installing the roof.

STEP **12**

ROOF VENT FRAME INSTALLATION

1. Select a roof vent stud No. 75V. **INSTALLATION NOTE:** To locate the correct position for the first roof vent stud, measure from the rear of the center ridge beam a distance of 44.5cm (17 1/2") along the upper surface of the ridge beam. (See illustration for dimensions)
2. Using two self tapping screws attach roof vent stud between the center ridge beam and the secondary ridge beam.
3. Measuring from the top fixing screw of the previously fitted roof vent stud, measure a distance of 56.5cm (22 1/4") toward the entrance of the building to a fixing hole, this is the fixing location for second roof vent stud. Using two self tapping screws attach roof vent stud between the center and secondary ridge beam.

Fig. 12



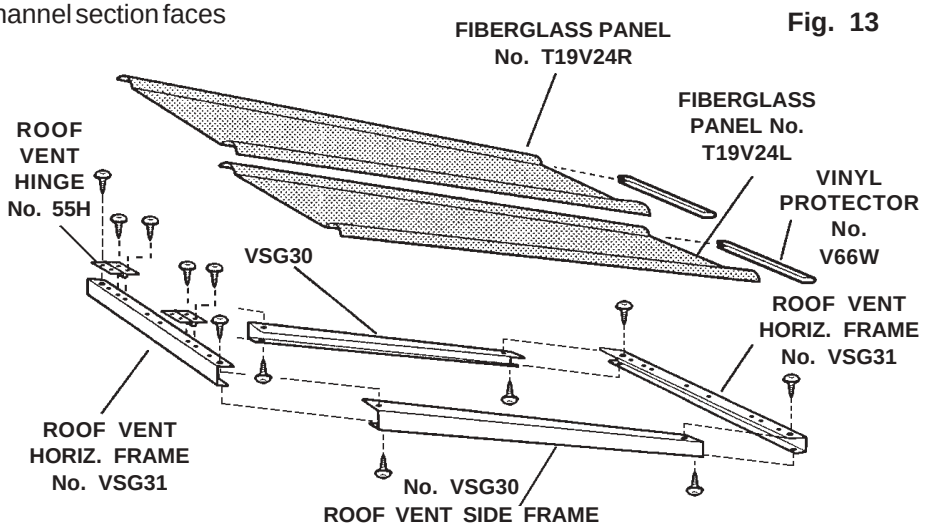
STEP **13**

ROOF VENT ASSEMBLY

VSG30	Roof Vent Side Frame	2
VSG31	Roof Vent Horizontal Frame	2
55H	Roof Vent Hinge	2
T19V24L	Fiberglass Panel (Left)	2
T19V24R	Fiberglass Panel (Right)	2
V66W	Vinyl Protector	2
GRV20	Horizontal Roof Vent Brace	1
ACT002	Automatic Vent Opener	1
GRV30	Automatic Vent Brace	1

1. Working on a level surface, place (2) roof vent side frame components No. VSG30 approximately 53cm (21") apart, ensuring the components inner channel sections face each other and the small hole on the flange is placed in the upward position.
2. Slide the ends of (2) roof vent horizontal frames No. VSG31 into the channel section of the roof vent side frames No. VSG30 ensuring the channel section faces toward the inside of the frame assembly and the flange with the most holes is placed in the upward position. Using self tapping screws attach all four components together so that a rectangular frame is formed. (See Figure 13)
3. Using (2) self tapping screws per roof vent hinge No. 55H, attach hinges to the fixing holes provided in the roof vent horizontal frame section. The location for the two fixing holes of each hinge are 7.3cm (2 7/8") and 9.8cm (3 7/8") from each end of the roof horizontal frame component.

Fig. 13



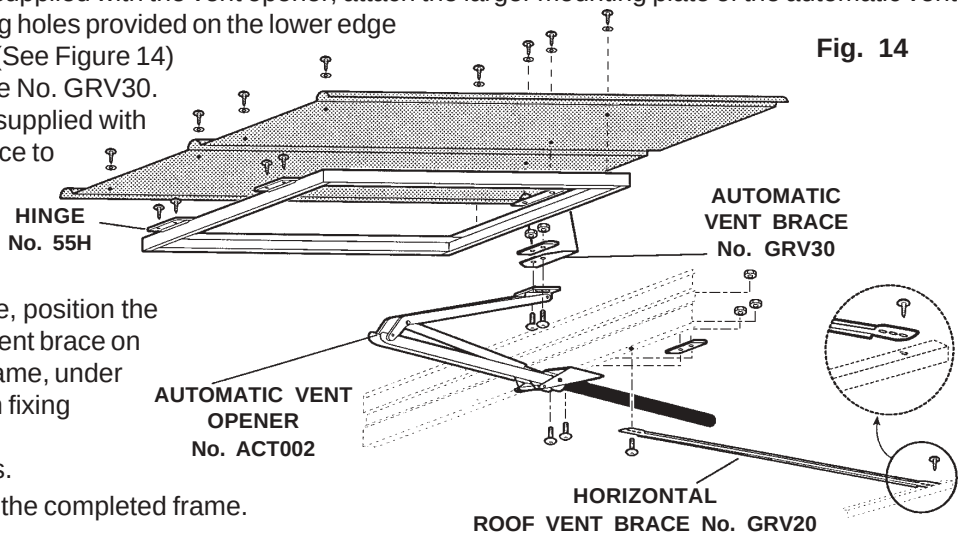
4. Slide a vinyl protector No. V66W onto the bottom edges of the fiberglass panels.
5. While an assistant on the inside of the building holds the roof vent frame between the roof vent studs No. 75V, align the fixing holes of the two hinges No. 55 with those provided on the right-hand side of the center ridge beam. Using (4) self tapping screws, attach hinges to the center ridge beam.

STEP **14**

AUTOMATIC ROOF VENT OPENER

1. Using the illustration as a guide and (2) self tapping screws, attach horizontal roof vent brace No. GRV20 between the side top wall rail and the lower edge of the secondary ridge beam.
   NOTE: The horizontal roof vent brace is attached on a slight angle which allows the automatic vent opener free movement in later instructions.
2. Using (2) screws and a clamp supplied with the vent opener, attach the larger mounting plate of the automatic vent opener No. ACT002 to the fixing holes provided on the lower edge of the secondary ridge beam. (See Figure 14)
3. Select the automatic vent brace No. GRV30. Using (2) screws and a clamp supplied with the vent opener, attach the brace to the fixing holes provided in the smaller fixing plate of the automatic vent opener. (See Figure 14)
4. Using the illustration as a guide, position the upper flange of the automatic vent brace on the upper surface of the vent frame, under the fiberglass panels, and align fixing holes of all components. Attach with self tapping screws.
5. Attach the fiberglass panels to the completed frame.

Fig. 14



STEP **15**

ROOF PANEL INSTALLATION

Roof End Panels

1. Position roof end panel over the gable as shown in the Figure 15A. Align the fixing holes of the roof end panel with those of the gable. Using bolts, nuts and plastic washers attach roof end panel to the gable.

   NOTE: Position the nuts on the outside surface of the gable.

2. Attach roof end panels to the side top wall rail, main ridge beam and secondary ridge beam using self tapping screws and plastic washers. Repeat instruction to attach the opposite side roof end panel to gable.

Roof Panels

3. Using self tapping screws and plastic washers, and starting from the rear of the building, attach a fiberglass roof panel No. T19V50 on each side of the building. Place aluminum weatherseal tape over the joint of the roof end panels and the fiberglass panels (Do not tear off weatherseal tape.)
   As you proceed across the roof adding roof panels, carefully apply the aluminum weatherseal tape over the entire joint of the roof panels above the main ridge beam.
   (See Figure 15C)

   NOTE: The aluminum weatherseal tape must be applied with care ensuring that there are no air gaps. Be sure the surface is clean, dry and dust free and apply only when temperature is above 13°C (55°F). Ensure the edges of the tape have been sealed tightly down to the roof panels.

4. Following the roof panel chart Figure 15B continue to attach firerglass roof panels as indicated by the chart.

   INSTALLATION NOTE: While attaching roof panels and aluminum weatherseal tape you are also required to attach (2) ridge cover mounting brackets. No. #2. These ridge cover mounting brackets are required to be fitted over the top of the aluminum weatherseal tape as you proceed across the building. (See "X" on Figure 15B for required location of the brackets No. #2.

818VS	Roof End Panel - Left	2
844VS	Roof End Panel - Right	2
T19V50	50" Fiberglass Roof Panel	8
T19V29	28" Fiberglass Roof Panel	2
50H	Weatherseal Aluminum Tape	1
#2	Ridge Cover Mounting Bkt	2

Fig. 15A

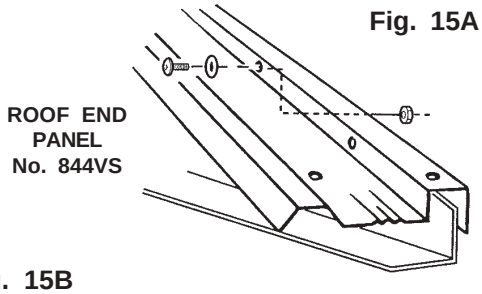


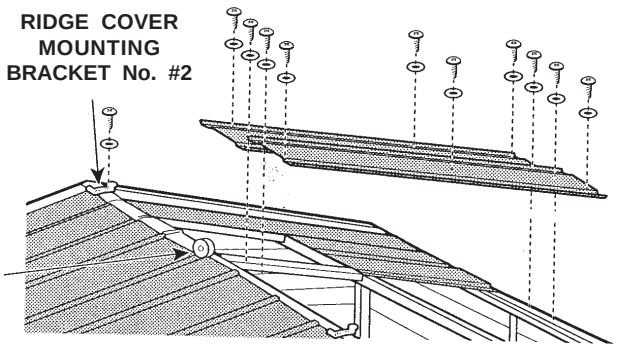
Fig. 15B

ROOF END PANEL	ROOF END PANEL	
T19V50 X	T19V50	
T19V50	T19V24R	T19V29
T19V50	T19V24L	T19V29
T19V50	T19V50	
T19V50	T19V50	
ROOF END PANEL X	ROOF END PANEL	

ENTRANCE

The chart above is the suggested Roof Panel layout. The Roof Vent assembly should be positioned on the side of the roof opposite that of the prevailing wind direction.

Fig. 15C



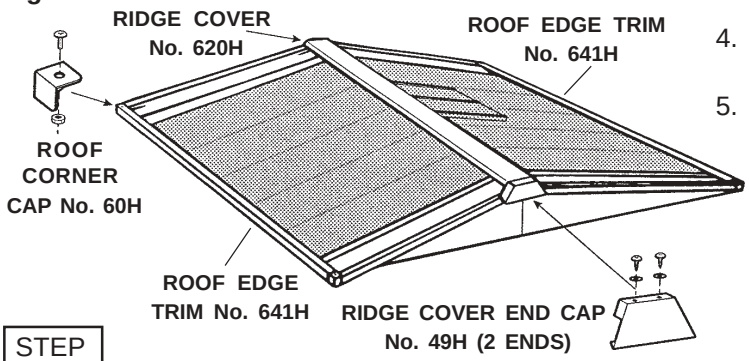
STEP **16**

FITTING RIDGE COVER, COVER END CAPS, ROOF EDGE TRIMS AND LOUVRE

Ridge Cover

1. Slide ridge cover No. 620H onto the first mounting bracket No. #2 and feed ridge cover towards the opposite bracket. Continue to feed the ridge cover over the second mounting bracket until it is centered on the roof.
2. Clip ridge cover end caps No. 49H into position and fasten with screws and washers.

Fig. 16A

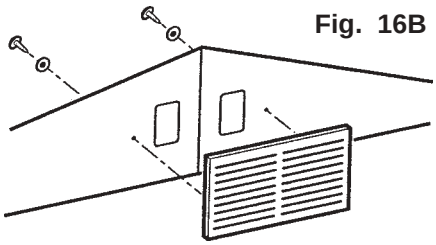


620H	Ridge Cover	1
49H	Ridge Cover End Cap	2
641H	Roof Edge Trim	2
60H	Roof Corner Cap	4
13-100	Louvre	2

Roof Edge Trims, Corner Caps and Louvre Installation

3. Position roof edge trim No. 641H in place over edge of roof. Fasten with bolts and nuts through roof panel. See Fig. 16A.
4. Fasten (4) corner caps No. 60H through roof end panels and roof edge trim with bolts and nuts.
5. Have an assistant hold the louvre No. 13-100 to the outside surface of the gables while attaching it from the inside of the building using (2) self tapping screws.

Fig. 16B



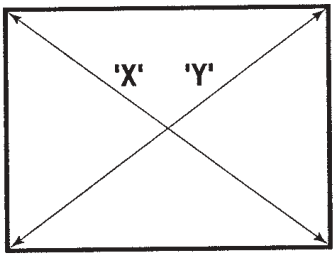
STEP **17**

ANCHORING OF BUILDING

When your building is completely assembled it must now be anchored.

1. Check building position on its foundation and adjust for final position.
2. Check base frame measurements by ensuring diagonal dimensions are equal (see Figure 17A).
3. Allow at least 10cm (4") of solid foundation base around the outside of the building frame.
4. On the inside of your building base rails there are several 6mm (1/4") holes around the entire base rail and on the inside edge of the entry ramp section, these are the anchor fixing holes, for use with suitable concrete anchors. (See Figures 17B & 17C)
5. Using an electric drill (and suitable size of bit for your chosen anchors) drill the required number of anchor fixing holes.
6. Insert anchors in pre-drilled holes and secure building to the foundation.
7. Ensure all base rail sections are securely attached to the foundation.

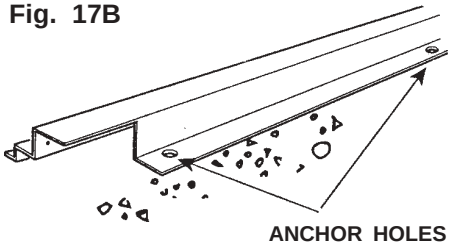
Fig. 17A

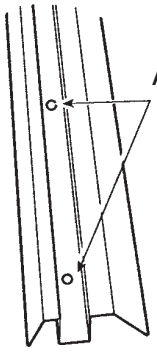


'X' dimension = 'Y' dimension

NOTE: Anchor screws, washers and shields are NOT supplied as part of the hardware package and may be purchased at your local hardware store. You will require fourteen (14) No. 10 concrete anchor screws 38mm (1 1/2") long with washers and expansion shields PLUS a Carbide Bit to suite.

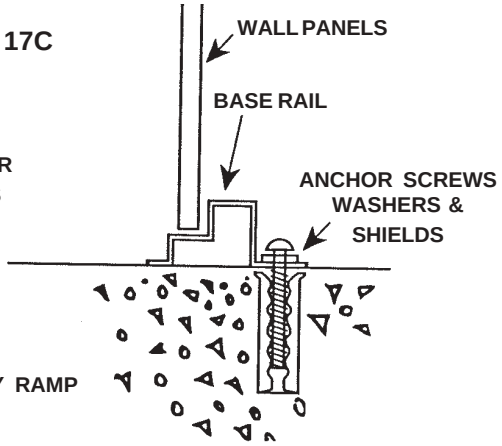
Fig. 17B





INSIDE OF BUILDING

Fig. 17C



IMPORTANT - BE SURE THAT ALL BOLTS AND NUTS ARE INSTALLED AND TIGHTENED FOR MAXIMUM STRENGTH OF BUILDING.

FOR YOUR PERSONAL SAFETY PLEASE READ THE FOLLOWING PRECAUTIONS

1. For your safety and to prevent damage to the roof of your building do not stand on the roof.
2. Keep roof clear of leaves and snow with long handled, soft-bristled broom. Heavy amounts of snow on roof can damage building making it unsafe to enter.
3. If you plan to install some from of heating source, check with the heater supplier to ensure that the proposed heater cannot produce hazardous gasses within the building.
4. Do not use any form of sling or lifting device that attaches to any part of the building. The beam and roof sections are designed only to support the buildings structure.

*** REPLACEMENT PARTS OR ANY QUESTIONS REGARDING YOUR BUILDING SHOULD BE REFERRED DIRECTLY TO THE FACTORY. DO NOT CONTACT YOUR DEALER, THEY ARE NOT EQUIPPED TO SERVICE YOUR REQUESTS AS PROMPLTY AS THE CUSTOMER SERVICE DEPARTMENT AT THE FACTORY.**

PARTS REPLACEMENT ORDER FORM

*** PLEASE STATE COLOR REQUIRED**

**** MODEL NO._____ ****

Parts Required

PART NO.	QTY.	COLOR

FOR PARTS REPLACEMENT PLEASE CONTACT CUSTOMER SERVICE DEPARTMENT. TELEPHONE NO. (1-800-851-1085)

NAME: _____

ADDRESS: _____

CITY: _____ PROVINCE/STATE: _____

POSTAL CODE/ZIP: _____ TELEPHONE: _____

PURCHASED FROM: _____

STORE ADDRESS: _____

DATE PURCHASED: _____

or Mail To: **Spacemaker Limited**
3069 Wolfedale Road
Mississauga, Ontario L5C 1V9