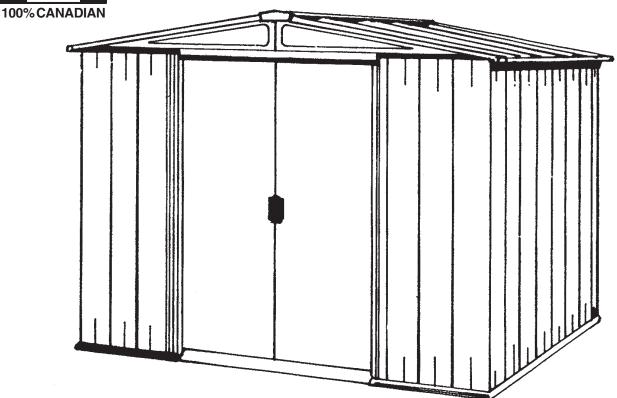
ASSEMBLY INSTRUCTIONS FOR MODELS

CG85, CG86, CG87, CG88, CG89 HD85, HD86, HD87, HD88, HD89 HW85, HW86, HW87, HW88, HW89 WO85, WO86, WO87, WO88, WO89

AZ01







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.

VERSION FRANÇAISE AU DOS

CONTENTS AH02

- Pre-construction instructions
- Assembling the building

- Anchoring the frame
- Parts List and order information

PROCEED WITH CONFIDENCE

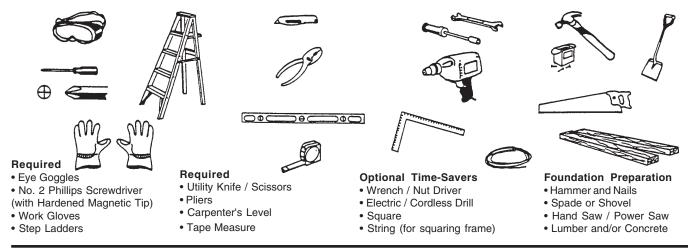
It might look complicated when you first unpack your building...but it really isn't. Simply follow the illustrated instructions and your building will go up quickly and accurately.

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 Parts List on Page 4 and the illustrations on Page 5...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.



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.

IMPORTANT

AK03

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

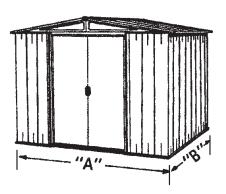
This building must be constructed on a **SOLID BASE FOUNDATION**. We recommend a poured concrete pad or large size concrete patio stone squares for a suitable floor and base. Which ever you select... make sure your foundation area is firm and level and will allow drainage away from the site. Make your 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.

YOUR BUILDING MUST BE ANCHORED

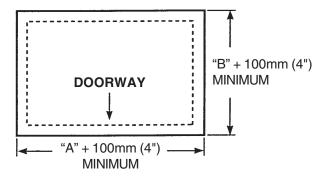
Your building must be firmly anchored to your concrete pad or large concrete patio stone squares...to help protect against damage in high winds.

FURTHER ANCHORING INSTRUCTIONS FOLLOW AFTER ALL WALL AND ROOF PANELS HAVE BEEN INSTALLED.



OUTSIDE MEASUREMENTS OF BUILDING AT BASE

MODEL	"A"	"A"	"B"	"B"	
	CM	INCH	CM	INCH	
8x5	235.0	92 1/2	146.1	57 1/2	
8x6	235.0	92 1/2	177.2	69 3/4	
8x7	235.0	92 1/2	208.3	82	
8x8	235.0	92 1/2	239.4	94 1/4	
8x9	235.0	92 1/2	270.5	106 1/2	



Parts List

M04

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.

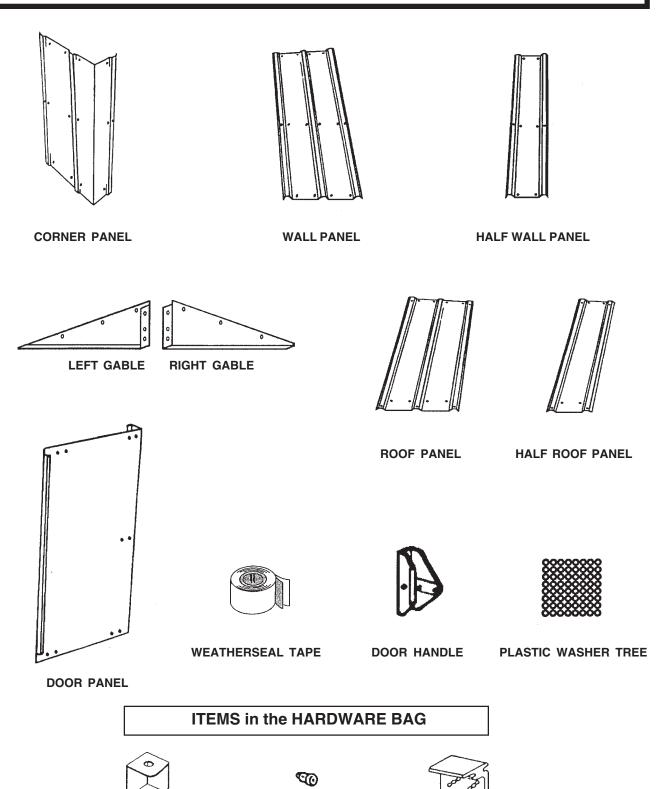
Part	Part	Quantity				
Number	Description	8x5	8x6	8x7	8x8	8x9
84H 53H 63H 73H 82H 810H * 840H 527M 627M 727M 86H 835H 828H * 840H 527M 627M 727M * 516L 616L H716H H516H 818H 844H * * 520H 820H 920H 541H 741H 832 C49 * * * * * *	Rear Base Rail Side Base Rail Side Base Rail Side Base Rail Side Base Rail Front Base Rail Entry Ramp Corner Panel Rear Top Rail Side Top Rail Side Top Rail Side Top Rail Side Top Rail Door Track Door Fascia Door Jamb Front Midwall Brace Wall Panel Half Wall Panel (Side Only) Rear Midwall Brace Side Midwall Brace Left Gable Right Gable Main Ridge Beam Main Ridge Beam Main Ridge Beam Main Ridge Beam Secondary Ridge Beam Left Roof Panel Ridge Cover	22 21422 21226 - 22 222 2 224 - 1 2 24412221 424	2 - 2 - 2142 - 2 - 2122622 - 2 - 22 - 2 2 2242 - 1 2 - 24412221 424	2''42142421228.242244.2262424412221 424	22,221422,221228222,222,222,322,32262,3262,32244122231	24 21424 21220 - 24 22 4 8228 - 1 14 24412231 424

^{*} Indicates that part number is NOT stamped in the part see illustrations.

Indicates letter or letters that designates different heights.
 Painted parts may contain a prefix that designates color / material.

Parts Not Identified with Part Number

M05



DOOR SPACER

DOOR GLIDE

A67

ROOF CORNER

CAP

STEP 1

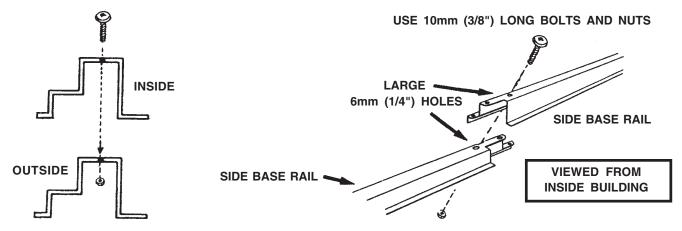
SIDE AND REAR BASE RAILS

 Assemble lengths of side base rails (2 pcs.) together with a lap joint. Align large holes. Repeat for other side.

NOTE - for product sizes 8x5 and 8x6 these parts are in one full length piece.

2. Repeat above procedure to assemble lengths of rear base rails No. 84H (2 pcs.).

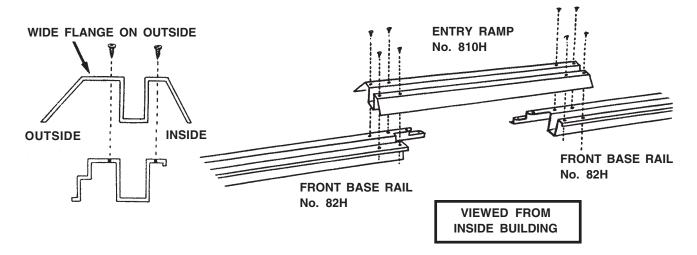
See Pages 4 and 5 for profile, correct part number and quantity required for your building.



STEP 2

FRONT BASE RAILS AND ENTRY RAMP

1. Space out lengths of front base rails No. 82H (2 pcs.) and fasten entry ramp No. 810H between lengths.



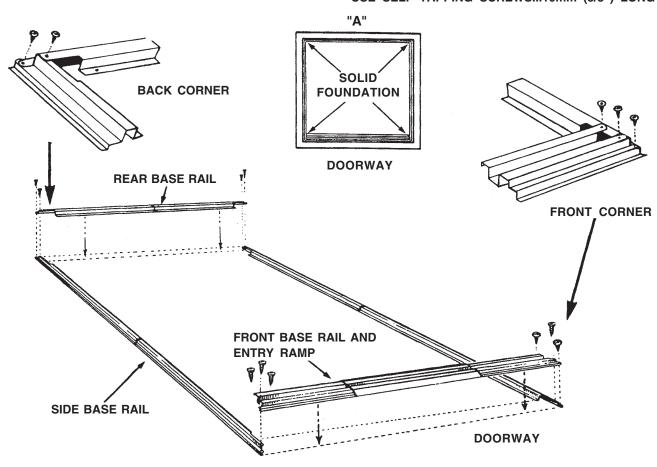
USE SELF TAPPING SCREWS..10mm (3/8") LONG

STEP 3

BASE FRAME ASSEMBLY

- 1. Assemble all 4 base rails into a base frame in proper position on your foundation. Use 10mm (3/8") self tapping screws on front and on back corners.
- 2. Check base frame for squareness by measuring diagonal corners. Your measurements should be equal. See "A"
 - * AFTER ASSEMBLY CHECK BASE DIMENSIONS (SEE PAGE 3) TO VERIFY CORRECT POSITION OF RAILS.

 USE SELF TAPPING SCREWS...10mm (3/8") LONG



* AFTER ASSEMBLY CHECK BASE DIMENSIONS (SEE PAGE 3) TO VERIFY CORRECT POSITION OF RAILS.

WARNING!

DO NOT ERECT ON A WINDY DAY. THE LARGE WALL AND ROOF PANELS PROVIDE A LARGE SURFACE AND THE WIND COULD EASILY CARRY THEM AWAY. ANY BUILDING LEFT PARTLY CONSTRUCTED MAY BE SERIOUSLY DAMAGED IF LEFT IN THIS STATE.

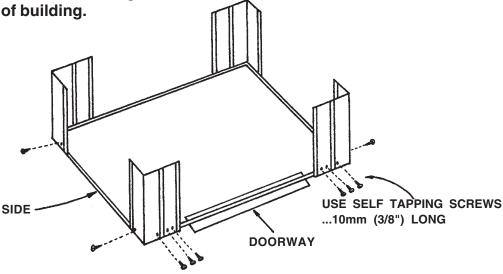


CORNER PANELS

1. Position rear corner panels and fasten to rear and side base rails...with narrow flange of panel along the side of the building.

2. Position front corner panels and fasten to front and side base rails...with narrow flange of panel along the side of building.

See Pages 4 and 5 for profile, correct part number and quantity required for your building.

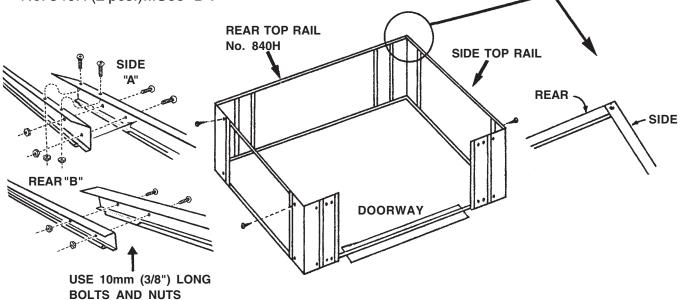


STEP 5

SIDE AND REAR TOP RAILS

1. Assemble lengths of side top rails (2 pcs.) together with a lap joint...see "A". Fasten to top of corner panels. Repeat for other side. **NOTE-for sizes 8x5 and 8x6 these parts are in one full length piece.**

2. Repeat above procedure to assemble and fasten lengths of rear top rail No. 840H (2 pcs.)...See "B".

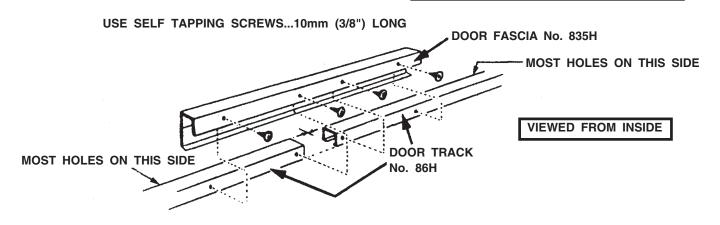


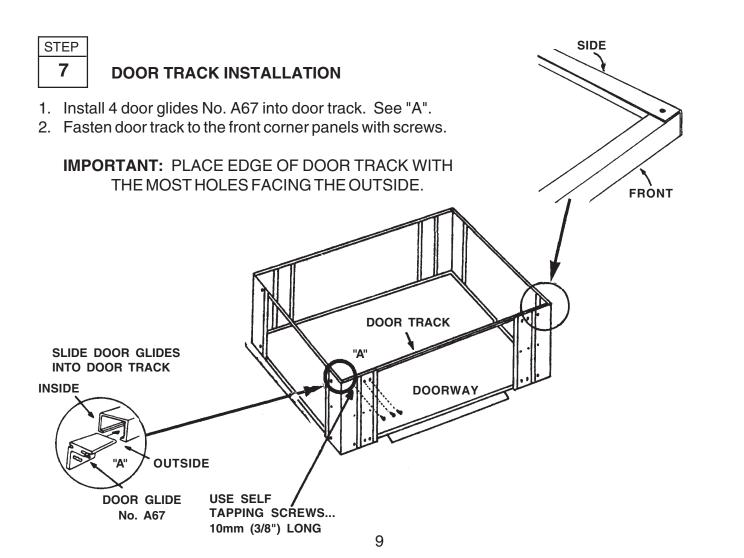


SPLICED ASSEMBLY OF DOOR TRACK AND DOOR FASCIA

Assemble lengths of door track No. 86H
 (2 pcs.) together with door fascia No. 835H.

See Pages 4 and 5 for profile, correct part number and quantity required for your building.

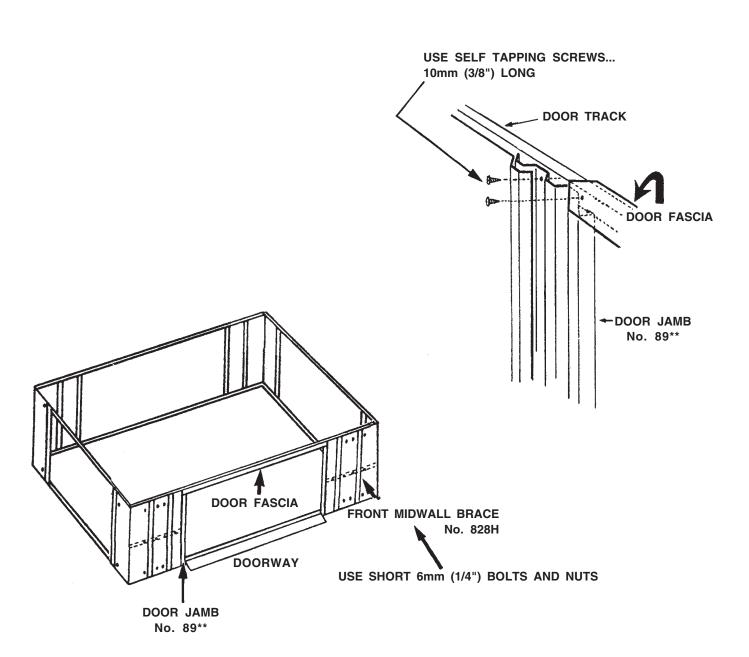






DOOR JAMBS, DOOR FASCIA AND FRONT MIDWALL BRACE

- 1. Remove corner panel screws as necessary and install door jambs No. 89** on each side of entry ramp...sliding door jamb **under** the wall panel and **under** door fascia. Fasten at base rail --- then fasten through the door fascia and door jamb into the side of door track. Replace corner panel screws.
- 2. Fasten door jamb to wall panels at midwall height with 10mm (3/8") bolts and nuts.
- 3. Install front midwall brace No.828H on each side of doorway. Use short bolts 6mm (1/4").

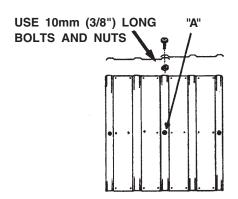


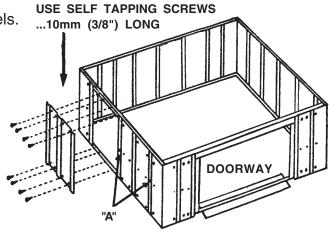


SIDE AND REAR WALL PANELS

- 1. Install wall panels on each side wall...fasten to base rails and top rails. **NOTE** Sizes 8x6 and 8x8 use a smaller half wall panel along the side walls only.
- 2. At the midwall height on the overlap ridge joint of each wall panel...fasten with 10mm (3/8") long bolts and nuts. See "A"

3. Repeat above procedure to install rear wall panels.

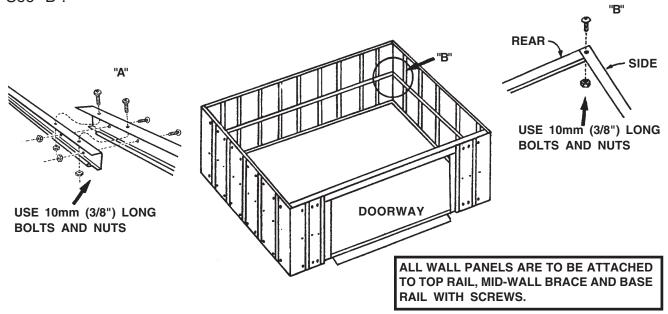




STEP 10

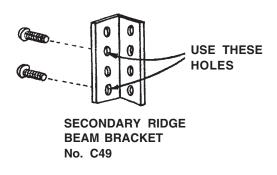
SIDE AND REAR MIDWALL BRACE

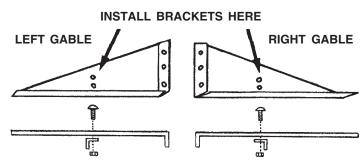
- 1. Assemble lengths of side midwall brace (2 pcs.) together with a lap joint. See "A" Fasten midwall brace to wall panels from the outside. Repeat for other side. **NOTE for sizes 8x5 and 8x6 these parts are in one full length piece.**
- 2. Repeat above procedure to assemble and fasten lengths of rear midwall brace No. 840H (2 pcs.)... See "B".



FRONT AND REAR GABLES AND SECONDARY RIDGE BEAM BRACKETS

1. Fasten (1) secondary ridge beam bracket No. C49 on the **inside** of each of the 4 gables.



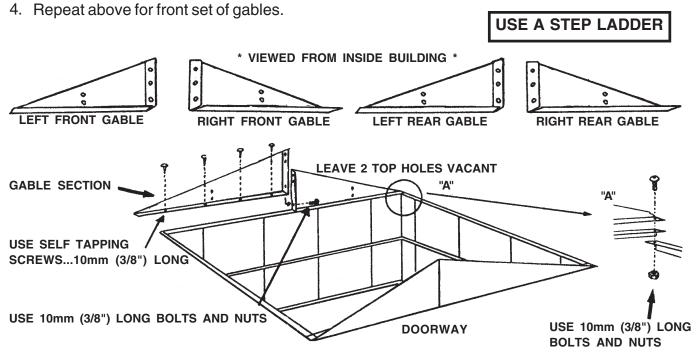


USE 10mm (3/8") LONG BOLTS AND NUTS

12

GABLE INSTALLATION

- 1. Place right rear gable in position and fasten to rear top rail with screws. See "A"
- 2. Install left rear gable as above.
- 3. Fasten right and left gables together...leaving 2 top holes vacant.



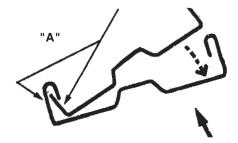


MAIN AND SECONDARY RIDGE BEAM ASSEMBLY

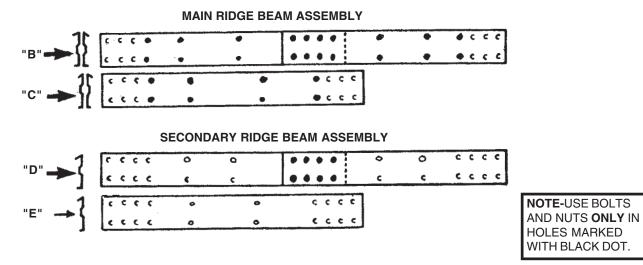
- 1. To combine the **main ridge beam**...select 2 pieces that combine (when lapped) to make the proper length for your building. **NOTE For sizes 8x5 and 8x6 these parts are in one full length piece.**
- 2. Lay pieces on hard surface. Position one end (with flange cutout---See "A" and note small holes position) into the second piece (at the end with the full flange---See "A" and note small holes position). Align holes in beams --- then step on raised edge to snap top beam into place. Tap beams into place to align holes if necessary.
- 3. Assemble another set in same manner and fasten the 2 sets together with bolts and nuts as per "B". (For sizes 8x5 and 8x6 fasten together as per "C".)
- 4. To make the **secondary ridge beam**...use the same length combinations to assemble 2 separate sets...as per 1, 2 and 3 above. See "B" **NOTE For size 8x7 use single pieces in combination...as per 1 and 2 above. See "D". NOTE For sizes 8x5 and 8x6 these parts are in one full length piece. See "E".**

MODEL	RIDGE BEAM COMBINATIONS		
MODEL	RIDGE BEAM COMBINATIONS		
8x5	516L		
8x6	616L		
8x7	H716H H716H		
8x8	H716H H516H		
8x9	H516H H516H		

NOTE-SMALL HOLES ON BOTH THESE FLANGES.



USE 10mm (3/8") LONG BOLTS AND NUTS

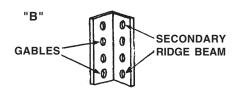


INSTALLATION OF RIDGE BEAMS

- 1. Position the main ridge beam section on the gables...with the extended lips of the gable section fitting between the 2 pieces...See "A". Fasten with bolts and nuts.
- 2. For sizes 8x5, 8x6 and 8x7...fasten one secondary ridge beam section to the outside of the brackets on gables with bolts and nuts. Repeat for other side. See "B"

3. For sizes 8x8 and 8x9...position the secondary ridge beam section with the extended lip of the bracket fitting between the 2 pieces. Repeat for other side. See "B"

SECONDARY RIDGE BEAM BRACKET No. C49 USE THESE HOLES



NOTE - THE SURFACE OF THE RIDGE BEAM CONTAINING THE MOST NUMBER OF FIXING HOLES TO FACE

UPWARD

SIZES

8x5.....8x6.....8x7

USE 10mm (3/8") LONG BOLTS AND NUTS

MAIN RIDGE BEAM

SIZES

8x8.....8x9

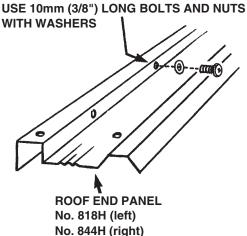
LEFT MAIN RIGHT

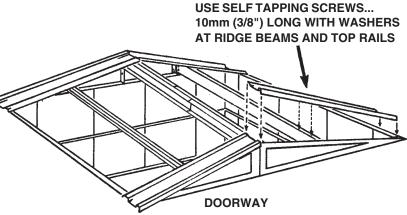
15

ROOF END PANELS

- Position roof end panel over gable section...line up holes and fasten with bolts and washers through the roof end panel and with nuts on the outside of the gable.
- 2. Then fasten to ridge beams and side top rails with screws and washers.





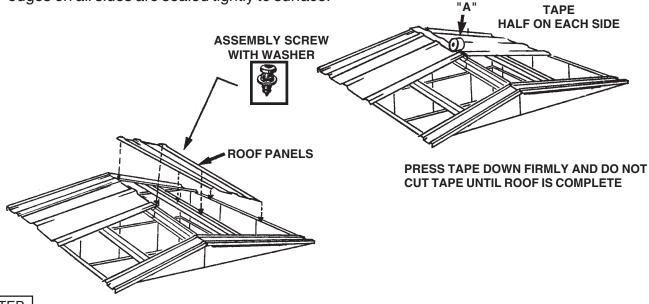


ROOF PANELS AND TAPE

- Install roof panels by overlapping the adjacent panel. Fasten to ridge beams and top rails with screws and washers.
 NOTE Sizes 8x6 and 8x8 use a small half roof panel on each side at the center.
- Start panels at one end and do both sides. Carefully apply tape (as you progress) between the top of the roof panels on each side of the roof. See "A" This is a weatherseal and must be applied with care with no air gaps.

NOTE - Be sure surface is clean, dry and dust free and apply only when temperature is above 13°C (55°F). Be sure all edges on all sides are sealed tightly to surface.

See Pages 4 and 5 for profile, correct part number and quantity required for your building.



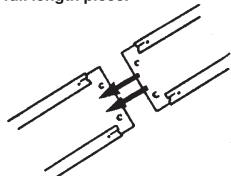
17

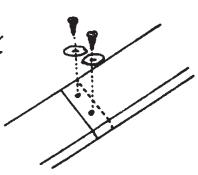
RIDGE COVER ASSEMBLY

 Assemble lengths of ridge cover together by inserting one end inside the other. Fasten with screws and washers and handle carefully! NOTE - for sizes 8x5 and 8x6 these parts are in one full length piece.







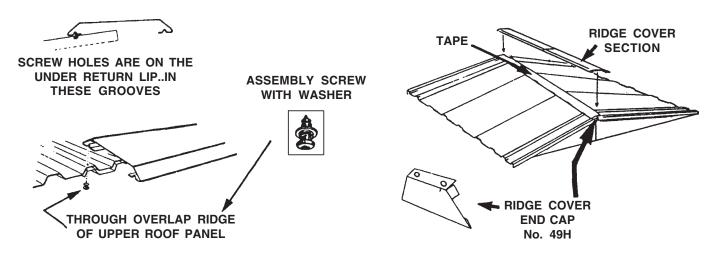


USE SELF TAPPING SCREWS...10mm (3/8") LONG WITH WASHERS

RIDGE COVER AND END CAP INSTALLATION

- Carefully position ridge cover section and arrange for a helper outside on a ladder to adjust position and to apply pressure as necessary.
- 2. From the inside of building start from the gable ends and fasten with screws and washers up through the holes in the overlap ridge of the upper roof panels. The screws go through into the under return lip of the ridge cover.
- 3. Continue to fasten both sides as you work from the ends to the center.
- 4. Clip ridge end caps No. 49H in place and fasten with screws.

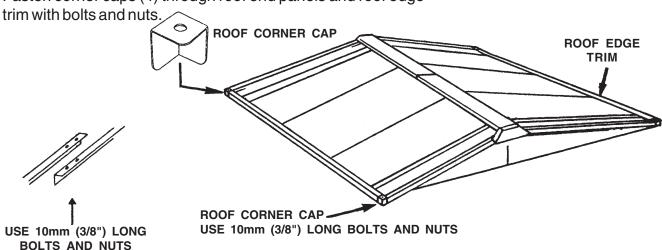
See Pages 4 and 5 for profile, correct part number and quantity required for your building.



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ROOF EDGE TRIM AND ROOF CORNER CAP

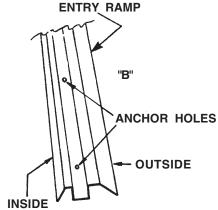
- Install lengths of roof edge trim (2 pcs.) separately and place over edge of roof panels with a lap joint. Fasten with bolts and nuts. NOTE - for sizes 8x5 and 8x6 these parts are in one full length piece.
- 2. Fasten corner caps (4) through roof end panels and roof edge

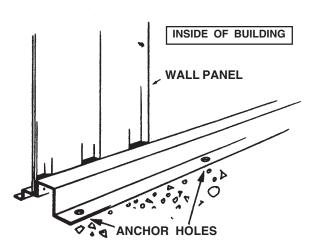


COMPLETE THE ANCHORING OF YOUR BUILDING NOW!

YOUR BUILDING MUST BE ANCHORED!

- 1. Check building position on concrete base and adjust to original planned position.
- 2. Carefully position base frame in the center of solid base foundation --- to allow at least 100mm (4") of solid base outside the frame.
- Check base frame for squareness by measuring diagonal corners. Your measurements should be equal! See "A"
- 4. Inside your base frame...there are 6mm (1/4") holes in the entry ramp and on the inside flange of the front, side and rear base rails. These are anchor holes...for installation of anchor screws into the concrete or patio stones. See "B" and "C"
- 5. When your base frame is square...use a black felt pen to mark location of anchor hole center on the concrete. **Mark for all anchor holes.**
- 6. With an electric drill and a Carbide Bit (Check size to suit anchor shield)...drill proper holes into concrete at each mark.
- 7. Insert anchor shields into each hole.
- 8. Fasten all base rails to concrete with anchor screws.

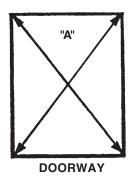




NOTE: Anchor screws, washers and shields are **NOT** supplied as part of the hardware package and may be purchased at your local store. You will require No. 10 concrete anchor screws 38mm (1 1/2") long with washers and expansion shields **PLUS** a Carbide Bit to suit.

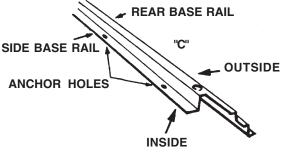
QUANTITY REQUIRED

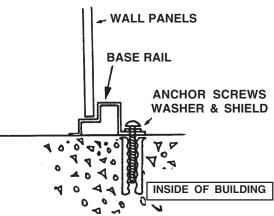
8x5 - 16 8x6 - 16 8x7 - 16 8x8 - 20 8x9 - 20





ANCHOR SCREWS WASHER & SHIELD





IMPORTANT

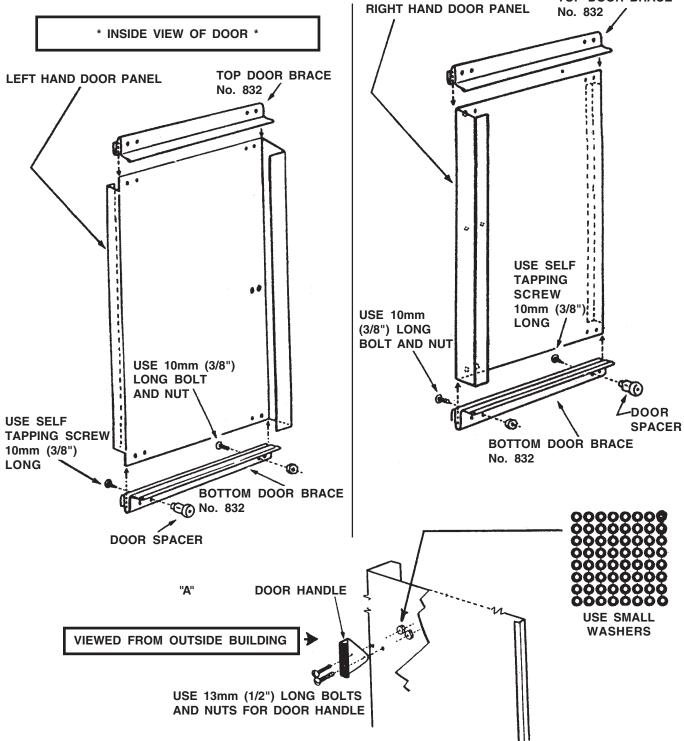
This building is designed to withstand normal wind loads when installed according to instructions. The manufacturer cannot be held responsible for any consequences due to buildings that are not installed per instructions or for damage due to any weather conditions or acts of God.

TOP DOOR BRACE

STEP **21**

DOOR AND HARDWARE ASSEMBLY

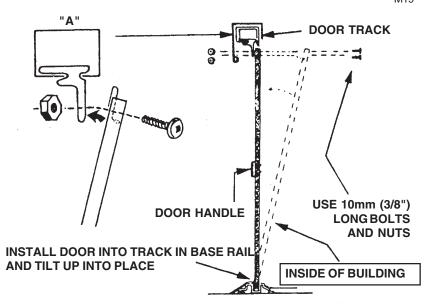
- 1. Install door braces No. 832 overtop and bottom of left door panel... **exactly as illustrated below.** Line up holes in brace with holes in door panel.
- 2. **Fasten bottom brace only**...with screw and door spacer on door jamb end and bolt and nut on the other end. Use hole positions exactly as shown below.
- 3. Repeat for right door panel...be sure to position door spacer in correct position.
- 4. Install door handles. See "A"



STEP **22**

DOOR INSTALLATION (FROM INSIDE)

- Inside and near the corner of building, install bottom lip of left door into track formed in base rail.
- Position top of door so that holes in door line up with CENTER holes in door glide. Fasten door glides to door with 10mm (3/8") long bolts and nuts from THE INSIDE. See "A"
- 3. Install right hand door in the same manner.



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DOOR ADJUSTMENT (FROM INSIDE)

1. Close doors to see if they meet squarely. There are 3 holes in each of the door glides to raise or lower doors as required for a square fit.



CARE AND MAINTENANCE

- **Finish:** For long lasting finish, periodically clean and wax the exterior surface. Touch up scratches as soon as you notice them on your building. Immediately clean the area with a wire brush; wash it and apply touch up paint per manufacturer's recommendation.
- **Roof:** Keep roof clean of leaves and snow with long handled, soft bristled broom. Heavy amounts of snow on roof can damage the building making it unsafe to enter.
- **Doors:** Keep doors closed to prevent wind damage.
- **Fasteners:** Regularly check your building for loose screws, bolts, nuts, etc. and retighten them as necessary.
- Moisture: With changing temperatures, condensation can accumulate inside the building.
- Other Tips: A non-corrosive caulking is helpful to seal the building.

Do not store swimming pool chemical in your building. Combustibles and corrosives must be stored in airtight containers.

REPLACEMENT PARTS OR ANY QUESTIONS REGARDING YOUR BUILDING SHOULD BE REFERRED DIRECTLY TO CUSTOMER SERVICE. DO NOT CONTACT YOUR DEALER, THEY ARE NOT EQUIPPED TO SERVICE YOUR REQUESTS AS PROMPTLY AS THE CUSTOMER SERVICE DEPARTMENT (1-800-851-1085).

**	MODEL NO		**	
				NAME:
۾ ا	PART NO.	QTY.	COLOR	ADDRESS:
Required				
ed				CITY: PROVINCE/STATE:
Parts B				POSTAL CODE/ZIP: TELEPHONE:
Pa				PURCHASED FROM:
FOR PARTS REPLACEMENT PLEASE CONTACT CUSTOMER SERVICE DEPARTMENT. TELEPHONE NO. (1-800-851-1085)		EASE CONTACT	STORE ADDRESS:	
		ARTMENT.	DATE PURCHASED:	

PARTS REPLACEMENT ORDER FORM

or Mail To: 3069 Wolfedale Road

Mississauga, Ontario L5C 1V9