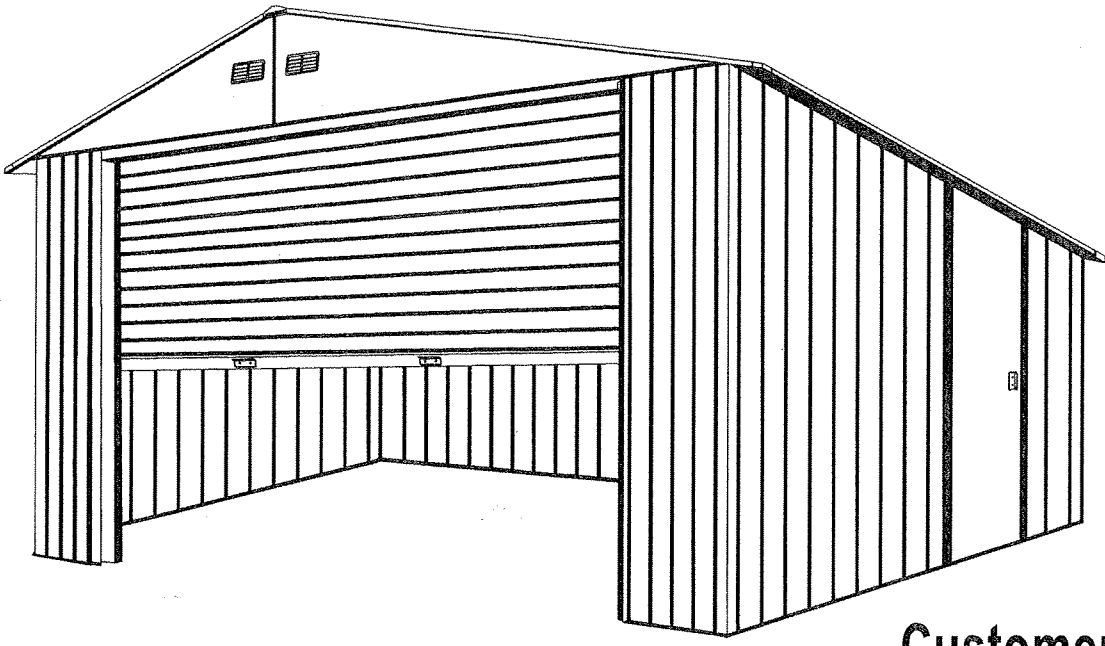


1 millimeter = 0.0393700787 INCHES

# Metal Garage

## OWNER'S MANUAL / Instructions for Assembly Size 12' x 20'

Ver: 1.1



**Customer  
Service Hotline  
(800) 483-4674  
[www.uspolymersinc.com](http://www.uspolymersinc.com)**

Requires two or three people and takes 8 – 12 hours for installation.

- ?? Tall Walk in Garage
- ?? Quick and Easy Assembly
- ?? Ridge Reinforced Walls
- ?? Wide Single Front Shutter Door

Call us for any missing or damaged parts.  
Do not return to store.

## **Duramax Metal Garage Limited Fifteen Year Warranty**

U.S. Polymer Inc. will send a replacement part free of charge, in the event of material defects and or workmanship for a period of fifteen years from the date of purchase.

This warranty is extended only to the original purchaser. A purchase receipt or other proof of date of original purchase will be required before warranty service is rendered. In no event shall we pay the cost of flooring, labor, installation or any other costs related thereto.

This warranty only covers failures due to defects in material or workmanship which occurs during normal use and does not extend to color change arising due to normal weathering or to damage resulting from misuse or neglect, commercial use, failure to follow assembly instructions and the owner's manual (including proper anchoring of the shed), painting, forces of nature and other causes which is beyond our control.

Claims under this warranty must be made within the warranty period by calling 1-800-483-4674 or mail in a dated sales slip and clear photograph of the part to:

U.S. Polymers, Inc.  
6915 Slauson Avenue  
Commerce, CA 90040

We reserve the right to discontinue or change components. If a component has been discontinued or is not available,

U.S. Polymers, Inc. reserves the right to substitute a component of equal quality as may be compatible.

### **Limits and Exclusions**

There are no express warranties except as listed above. The warrantor shall not be liable for incidental or consequential damages resulting from the use of this product, or arising out of any breach of this warranty. All express warranties are limited to the warranty period set forth above. Some states do not allow the exclusion or limitation on how long an implied warranty lasts, so the above limitations may not apply to you.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state or country to country.

2 100 1/2" x 1/2" + copy

Product line SDPT

① →

# Parts List

Note: Check all parts prior to installations.

DES.	CODE	DESCRIPTION	QTY	DES.	CODE	DESCRIPTION	QTY
BC1	BC001	BASE CHANNEL SIDE LEFT & RIGHT	4	WS8	WS008	WALL MIDDLE SUPPORT BACK LEFT & RIGHT	2
BC2	BC002	BASE CHANNEL SIDE (CENTER) LEFT & RIGHT	2	BS1	BS001	SHUTTER DOOR RUNNER LEFT & RIGHT	2
BC3	BC003	BASE CHANNEL BACK LEFT	1	BS2	BS002	BRACKET SHUTTER RUNNER LEFT & RIGHT	4
BC4	BC004	BASE CHANNEL BACK RIGHT	1	BS3	BS003	ROOF SUPPORT BRACKET SHORT LEFT & RIGHT	8
BC5	BC005	BASE CHANNEL FRONT LEFT & RIGHT	2	BS4	BS004	ROOF SUPPORT BRACKET LONG LEFT & RIGHT	4
FS1	FS001	CENTER COLUMN PROFILE FRONT & BACK/LEFT & RIGHT	4	BS5	BS005	TRIANGULAR PLATE OUTER FRONT & BACK	2
FS2	FS002	CORNER COLUMN PROFILE FRONT & BACK/LEFT & RIGHT	4	BS6	BS006	TRIANGULAR PLATE INNER FRONT & BACK/LEFT & RIGHT	2
FS3	FS003	COLUMN SUPPORT CENTER FRONT & BACK/LEFT & RIGHT	12	BS7	BS007	TRIANGULAR PLATE INNER CENTER/LEFT & RIGHT	2
FS4	FS004	HORIZONTAL TOP SUPPORT FRONT & BACK	4	BS8	BS008	ANGLE SUPPORT BRACKET LEFT & RIGHT	8
FS5	FS005	TOP CHORD FRONT & BACK	4	BS9	BS009	SLIDING ROLLER BRACKET BACK	1
FS6	FS006	TOP CHORD SUPPORT FRONT & BACK	4	BS10	BS010	SLIDING ROLLER BRACKET CENTER	1
FS7	FS007	COLUMN SUPPORT BOTTOM FRONT & BACK/LEFT & RIGHT	8	BS11	BS011	BRACKET SHUTTER SUPPORT LEFT & RIGHT	4
CS1	CS001	SIDE COLUMN CENTER LEFT & RIGHT	4	WP1	WP001	WALL PANEL SIDE	18
CS2	CS002	TOP CHORD CENTER FRONT RIGHT/ BACK LEFT	2	WP2	WP002	WALL PANEL SIDE CENTER	3
CS3	CS003	TOP CHORD CENTER FRONT LEFT/ BACK RIGHT	2	WP3	WP003	WALL PANEL DOOR SIDE BIG	1
CS4	CS004	TOP CHORD COVER LEFT & RIGHT	4	WP4	WP004	WALL PANEL DOOR SIDE SMALL	1
CS5	CS005	HORIZONTAL SUPPORT CENTER	2	WP5	WP005	WALL PANEL CORNER FRONT	2
CS6	CS006	STRUCTURE SIDE BRACKET LEFT	2	WP6	WP006	WALL PANEL CORNER DOOR SIDE	1
CS7	CS007	STRUCTURE SIDE BRACKET RIGHT	2	WP7	WP007	WALL PANEL CORNER BACK LEFT	1
CS8	CS008	TOP CHORD JOINT CENTER	2	RP1	RP001	ROOF PANEL FRONT LEFT/ BACK RIGHT	2
CS9	CS009	REINFORCEMENT SIDE CENTER LEFT & RIGHT	4	RP2	RP002	ROOF PANEL CENTER FRONT LEFT/ BACK RIGHT	8
RS1	RS001	ROOF SUPPORT LEFT & RIGHT	12	RP3	RP003	ROOF PANEL CENTER FRONT RIGHT/ BACK LEFT	8
RS2	RS002	HORIZONTAL SUPPORT RUNNER	2	RP4	RP004	ROOF PANEL FRONT RIGHT/ BACK LEFT	2
DF1	DF001	DOOR FLASHING TOP	1	GP1	GP001	GABLE PANEL FRONT RIGHT/ BACK LEFT	2
DF2	DF002	DOOR FLASHING SIDE RIGHT	1	GP2	GP002	GABLE PANEL FRONT LEFT/ BACK RIGHT	2
DF3	DF003	DOOR FLASHING SIDE LEFT	1	SP1	SP001	SHUTTER DOOR PANEL BIG	3
DF4	DF004	SHUTTER DOOR RAIL VERTICAL RIGHT	1	SP2	SP002	SHUTTER DOOR PANEL SMALL	1
DF5	DF005	SHUTTER DOOR RAIL VERTICAL LEFT	1	DP1	DP001	DOOR PANEL SLIDING with Sliding Wheel	1
DF6	DF006	SHUTTER DOOR RAIL INNER TOP LEFT	1				
DF7	DF007	SHUTTER DOOR RAIL INNER TOP RIGHT	1	CP1	CP001	COLUMN SUPPORT FOOTING CORNER/ LEFT & RIGHT	4
DS1	DS001	SHUTTER DOOR STRIP FRONT	1	CP2	CP002	COLUMN SUPPORT FOOTING CENTER/ LEFT & RIGHT	4
DS2	DS002	SHUTTER DOOR STRIP BACK	1	CP3	CP003	COLUMN SUPPORT FOOTING MIDDLE	2
DS3	DS003	SHUTTER DOOR STRIP CENTER	3				
SD1	SD001	DOOR COLUMN PROFILE RIGHT	1				
SD2	SD002	DOOR COLUMN PROFILE LEFT	1				
SD3	SD003	SLIDING CHANNEL COVER	1				
SD4	SD004	SLIDING CHANNEL RAIL	1				
SD5	SD005	ENTRANCE TAPER CHANNEL	1				
SD6	SD006	DOOR PANEL STRIP CENTER	3				
RF1	RF001	ROOF FLASHING SIDE FRONT & BACK/ LEFT & RIGHT	4				
RF2	RF002	ROOF FLASHING SIDE CENTER/ LEFT & RIGHT	4				
RF3	RF003	ROOF FLASHING FRONT & BACK LEFT & RIGHT	4				
RF4	RF004	ROOF FLASHING CENTER FRONT & BACK	2				
RF5	RF005	ROOF FLASHING CENTER MIDDLE	2				
WS1	WS001	WALL TOP SUPPORT FRONT & BACK/ LEFT & RIGHT	4				
WS2	WS002	WALL TOP SUPPORT SIDE LEFT & RIGHT	4				
WS3	WS003	WALL TOP SUPPORT SIDE CENTER LEFT & RIGHT	2				
WS4	WS004	WALL MIDDLE SUPPORT SIDE LEFT & RIGHT	3				
WS5	WS005	WALL MIDDLE SUPPORT CENTER LEFT	1				
WS6	WS006	WALL MIDDLE SUPPORT CENTER RIGHT	1				
WS7	WS007	WALL MIDDLE SUPPORT FRONT LEFT & RIGHT	2				

## Tools You Will Need

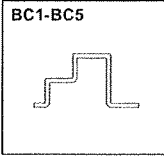
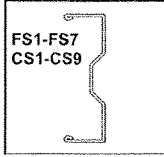
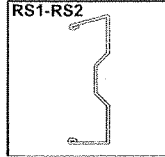
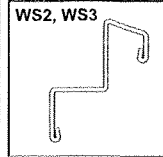
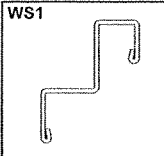
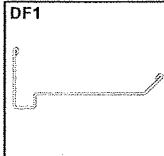
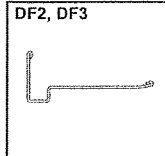
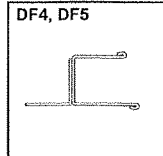
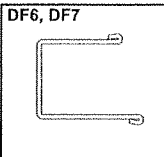
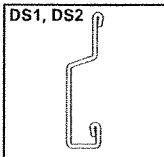
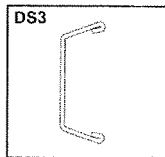
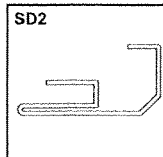
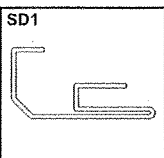
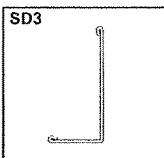
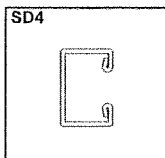
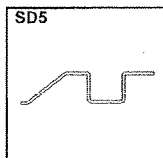
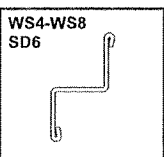
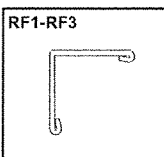
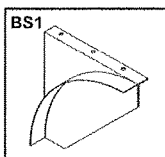
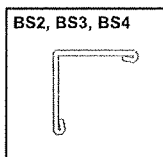
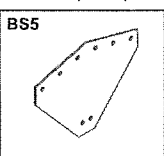
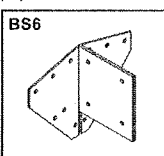
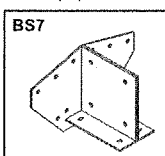
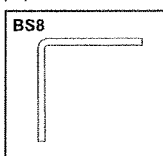
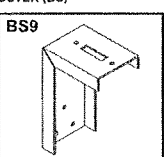
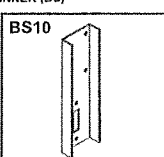
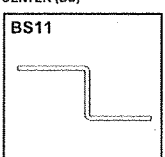
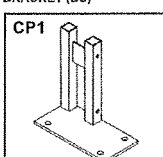
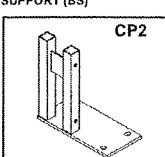
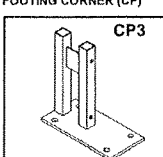
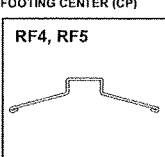
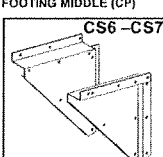
- Hand Gloves
- Cordless Drill – Philips Head
- Screw Driver – Philips head
- Carpenter's Square
- Eye Protector
- Plumb Line
- 8' Step Ladder
- Adjustable Pliers
- Level – 3ft.
- Tape Measure

**IMPORTANT: USE HAND GLOVES TO PREVENT INJURY**

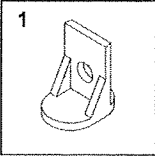
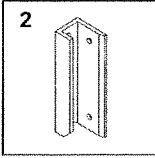
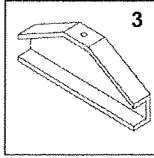
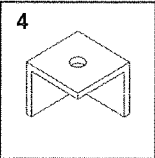
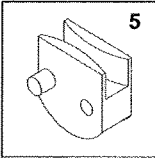
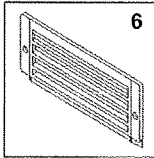
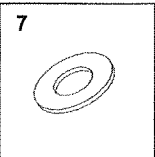
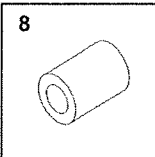
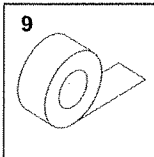
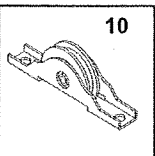
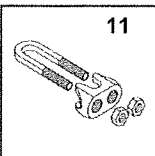
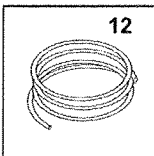
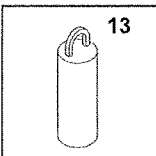
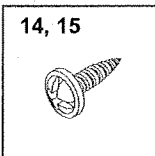
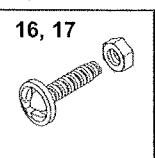
### ACCESSORIES

DES.	CODE	DESCRIPTION	QTY
1	PS	PLASTIC STOPPER	3
2	DH	DOOR HANDLE	6
3	FC	FLASHING END CAP	2
4	TC	TOP CORNER	4
5	TS	TOP SLIDER	2
6	VC	VENTILATION COVER	4
7	PW	PLASTIC WASHER	4 Slabs
8	PC	PLASTIC SCREW COVER	3 Slabs
9	WST	WEATHER STRIPPING TAPE	8MTR
10	SRW	SLIDING ROLLER 30mm	2
11	CU	G.I CLIPS/ U-TYPE Size: M4 with NUTS	2
12	STC	STEEL CABLE Size: 4mm.dia. with Sleeve	6.5MTR
13	CW	COUNTER WEIGHT 6.0KG	1
14	S1	DIA. 4.2 X 10mm. (5/32"x3/8") SHEET METAL SCREW	718
15	S2	DIA. 4.2 X 16mm. (5/32"x5/8") SHEET METAL SCREW	271
16	S3	M4 X 10mm. (5/32"x3/8") MACHINE SCREW WITH NUT	157
17	S4	M4 X 19mm. (5/32"x3/4") MACHINE SCREW WITH NUT	6

### PROFILES

 BC1-BC5 BASE CHANNELS (BC)	 FS1-FS7 CS1-CS9 STRUCTURE PROFILE (FS, CS)	 RS1-RS2 ROOF SUPPORT PROF (RS)	 WS2, WS3 WALL SUPPORT TOP (WS)
 WS1 WALL SUPPORT BOT (WS)	 DF1 DOOR FLASHING TOP (DF)	 DF2, DF3 DOOR FLASHING SIDE (DF)	 DF4, DF5 SHUTTER DOOR RAIL SIDE VERTICAL (DF)
 DF6, DF7 SHUTTER DOOR RAIL INNER TOP (DF)	 DS1, DS2 SHUTTER DOOR STRIP FRONT/BACK (DS)	 DS3 SHUTTER DOOR STRIP CENTER (DS)	 SD2 DOOR COLUMN PROFILE LEFT (SD)
 SD1 DOOR COLUMN PROFILE RIGHT (SD)	 SD3 SLIDING CHANNEL COVER (SD)	 SD4 SLIDING RAIL (SD)	 SD5 ENTRANCE TAPER CHANNEL (SD)
 WS4-WS8 SD6 WALL MIDDLE SUPPORT, DOOR STRIP (WS, SD)	 RF1-RF3 ROOF FLASHING (RF)	 BS1 SHUTTER DOOR RUNNER (BS)	 BS2, BS3, BS4 BRACKETS (BS)
 BS5 TRIANGULAR PLATE OUTER (BS)	 BS6 TRIANGULAR PLATE INNER (BS)	 BS7 TRIANGULAR PLATE CENTER (BS)	 BS8 ANGLE SUPPORT BRACKET (BS)
 BS9 SLIDING ROLLER BRACKET BACK (BS)	 BS10 SLIDING ROLLER BRACKET CENTER (BS)	 BS11 BRACKET SHUTTER SUPPORT (BS)	 CP1 COLUMN SUPPORT FOOTING CORNER (CP)
 CP2 COLUMN SUPPORT FOOTING CENTER (CP)	 CP3 COLUMN SUPPORT FOOTING MIDDLE (CP)	 RF4, RF5 ROOF FLASHING CENTER FRONT & BACK (RF)	 CS6-CS7 STRUCTURE SIDE BRACKET LEFT & RIGHT (CS)

### ACCESSORIES

 1 PLASTIC STOPPER (PS)	 2 DOOR HANDLE (DH)	 3 FLASHING END CAP (FC)
 4 TOP CORNERS (TC)	 5 TOP SLIDER (TS)	 6 VENTILATION COVER (VC)
 7 PLASTIC WASHER (PW)	 8 PLASTIC SCREW COVER (PC)	 9 WEATHER STRIPPING TAPE (WST)
 10 SLIDING ROLLER (SRW)	 11 G.I. CLIPS WITH NUTS (CU)	 12 STEEL CABLE (STC)
 13 COUNTER WEIGHT 6.0KG (CW)	 14, 15 SHEET METAL SCREW (S1, S2)	
 16, 17 SHEET METAL SCREW (S3, S4)		

**IMPORTANT: USE HAND GLOVES TO PREVENT INJURY**

# A. Foundation Column Stands & Base Channel

## Preparation

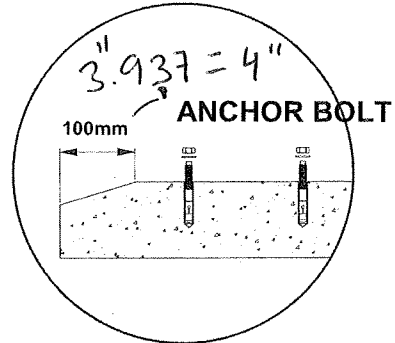
**Note:** It is important that these instructions are followed step by step.



**DuraMax must be installed on a level concrete foundation. Recommended thickness of concrete foundation: 100mm. (4") TO GET PERFECT SQUARE OF FOUNDATION LAYOUT, 3-4-5 PRINCIPLE MUST BE APPLIED.**

## Parts needed:

- |      |  |                |
|------|--|----------------|
| (4)  | Base Channel Side Left & Right                             | (BC001)        |
| (2)  | Base Channel Side Center Left & Right                      | (BC002)        |
| (1)  | Base Channel Back Left                                     | (BC003)        |
| (1)  | Base Channel Back Right                                    | (BC004)        |
| (2)  | Base Channel Front Left & Right                            | (BC005)        |
| (1)  | Entrance Taper Channel                                     | (SD005)        |
| (4)  | Column Support Footing Corner/ Left & Right                | (CP001)        |
| (4)  | Column Support Footing Center/ Left & Right                | (CP002)        |
| (2)  | Column Support Footing Middle                              | (CP003)        |
| (32) | Dia. 4.2mm. x 10mm. (5/32"x3/8") Sheet Metal Screw         | (S1)           |
| (32) | Anchor Bolt Size: M10 x 80mm. (Complete with Nut & Washer) | (Not included) |
| (27) | Hard PVC Fisher Plug Size: 6mm.                            | (Not included) |
| (27) | Dia. 5.0mm. x 38.1mm. (1-1/2") Self-Tapping Screw          | (Not included) |



## Location of holes for anchor bolt of Column Support Footing:

1. Reference to center line of the concrete foundation, measure and mark location of holes for anchor bolt of column support footings (CP001, CP002, CP003). Use 8.5mm. Concrete drill bit.

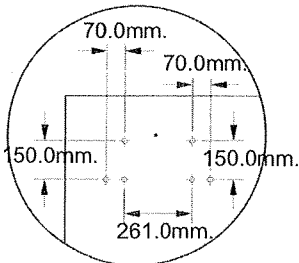


Fig. 1

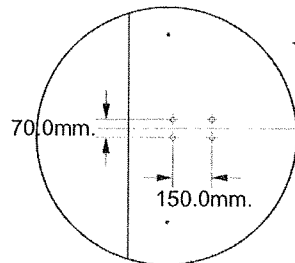


Fig. 2

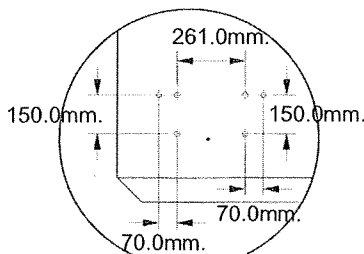
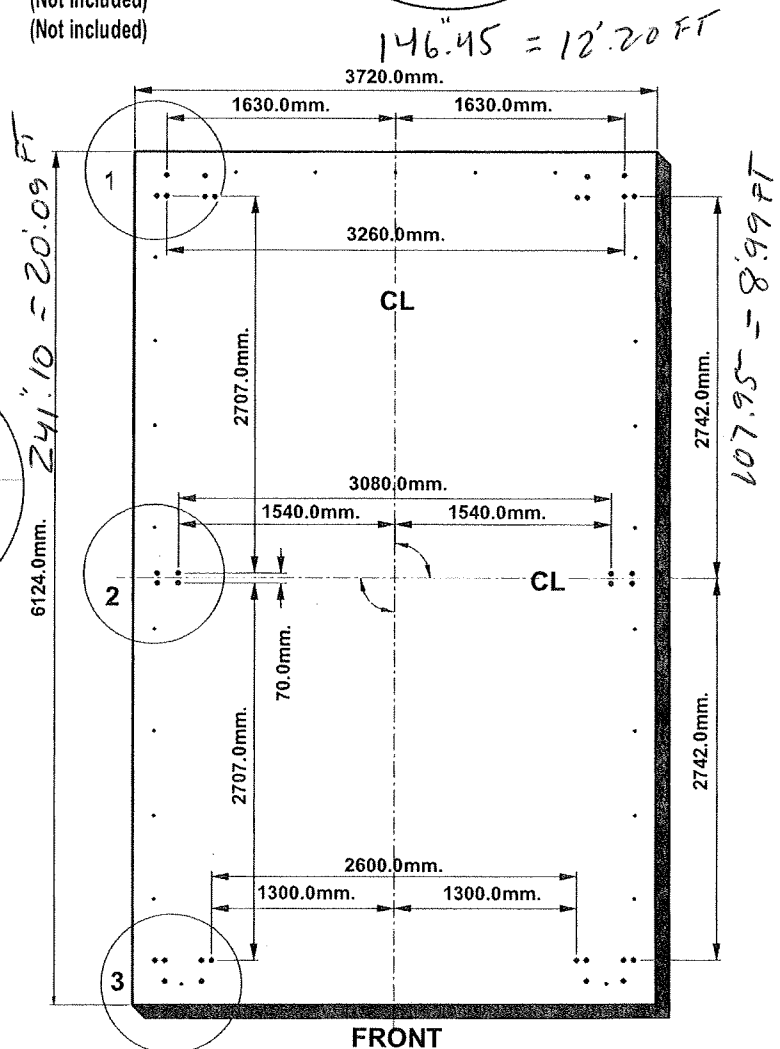


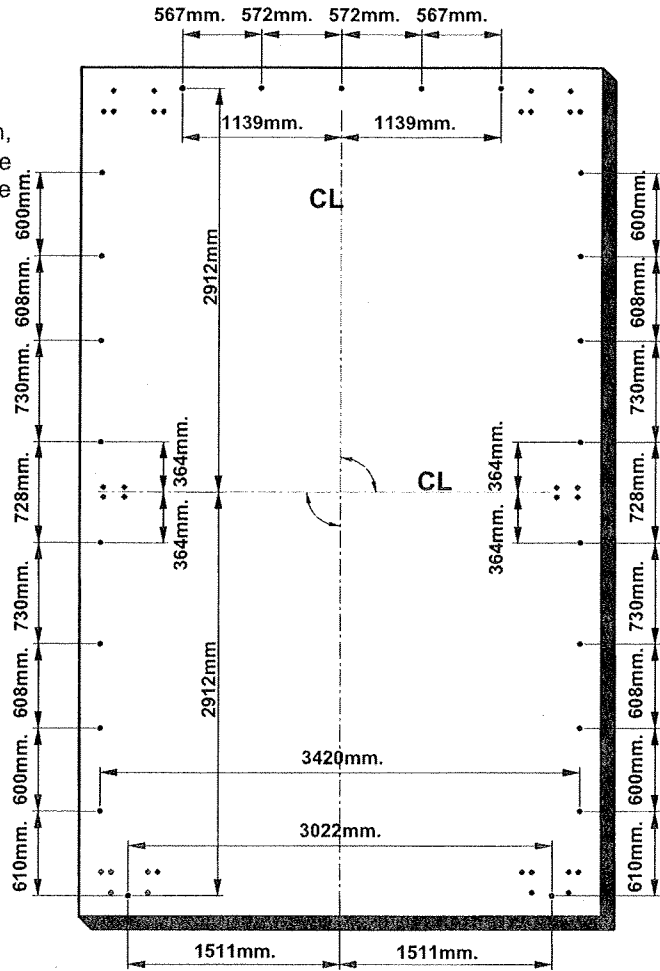
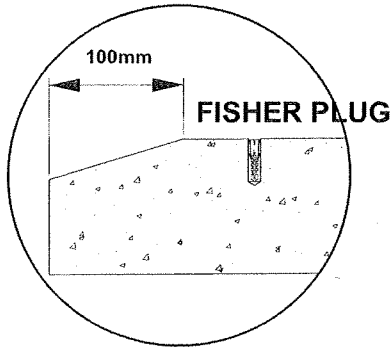
Fig. 3



FRONT

## Location of holes for PVC Fisher Plug of Base Channels:

2. Reference to center line of the concrete foundation, measure and mark location of holes for fisher plug of base channels (BC001, BC002, BC003, BC004, BC005). Use 5mm. concrete drill bit.



3. Assemble base channel side (BC001 & BC002) with eight (S1) screws. Base channels on both sides are similar. Make two sets. See fig. 1 & 2.

**Note** Take care of sharp edges .

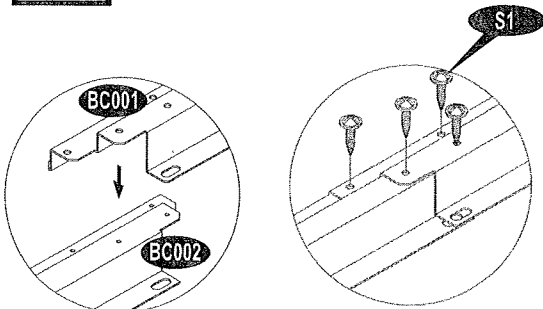
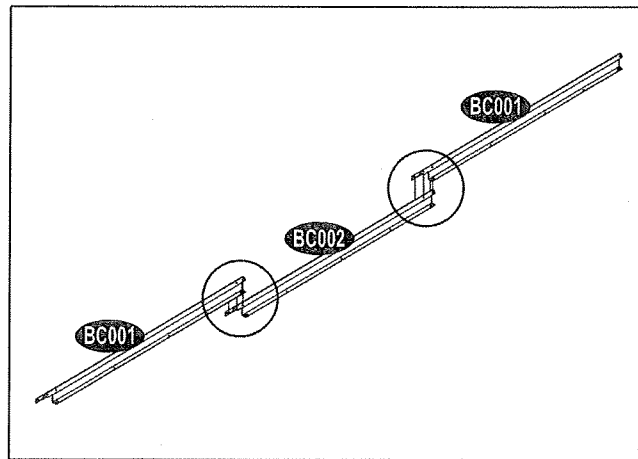
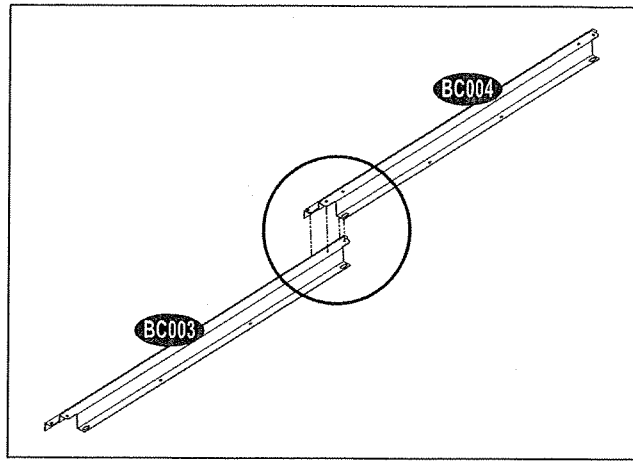
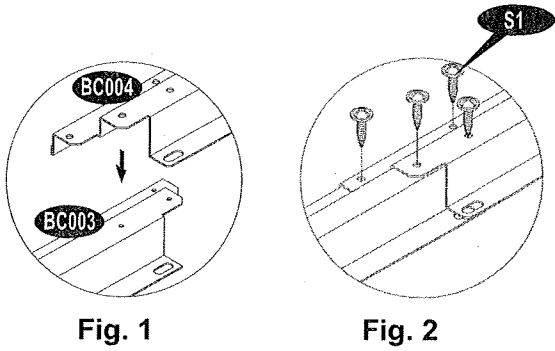


Fig. 1

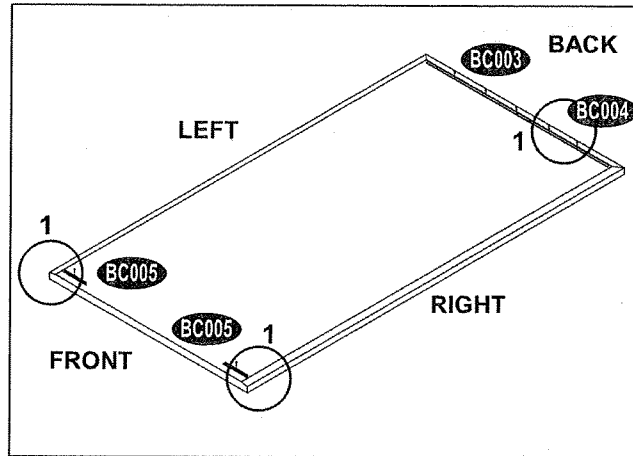
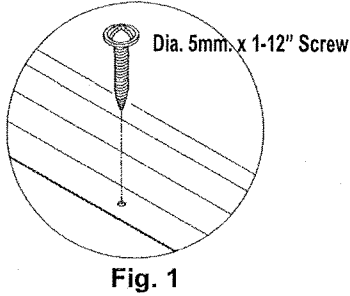
Fig. 2



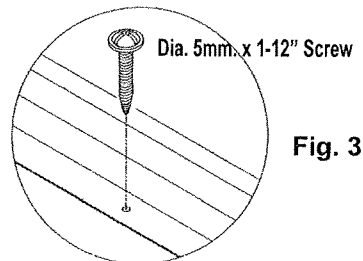
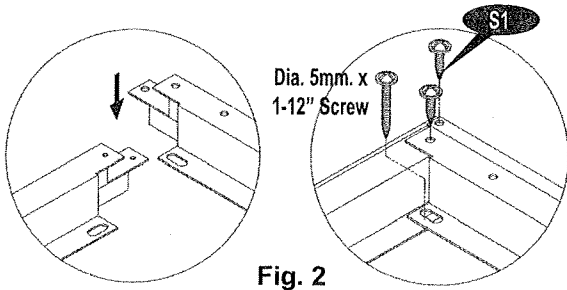
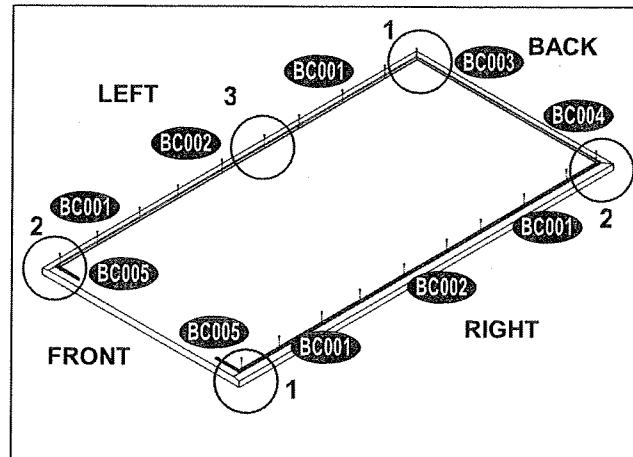
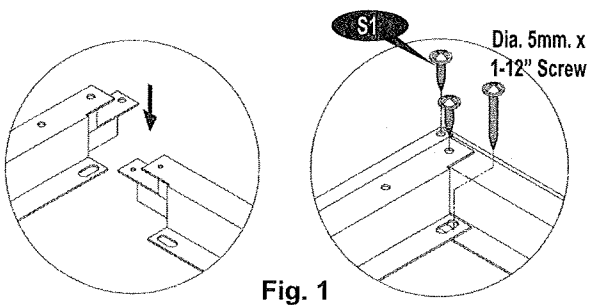
4. Assemble base channel back, left and right (BC003 & BC004) with four (S1) screws. See fig. 1 & 2.



5. Place base channel assembly (Back) and base channel front (BC005) on top of concrete foundation. Use screw size: dia. 5mm. x 1-12" (not provided) to fix channels to the foundation. See fig. 1.



6. Place base channel assembly (Side), left and right, on top of the concrete foundation. Use screw size: dia. 5mm. X 1-12" (not provided) to fix channels to the foundation. Join all channel corners with eight (S1) screws. See fig. 1,2 &3.



7. Place column support footings left, right & middle (CP001, CP002, CP003) on top of concrete foundation. Fix all footings **hand tight** in front, middle & back. See fig. 1 & 2.

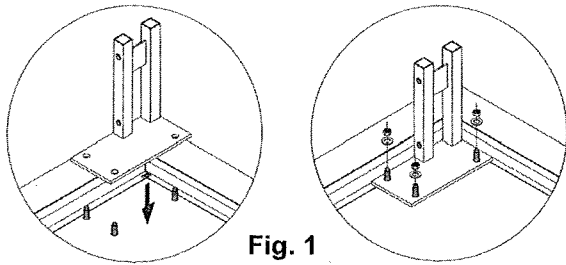


Fig. 1

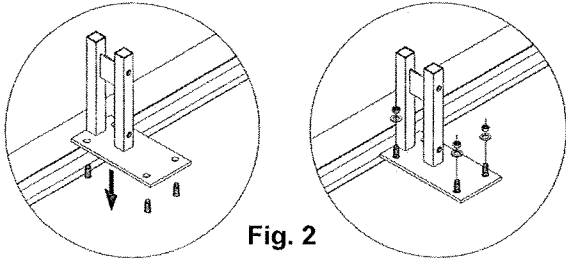
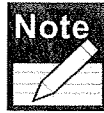
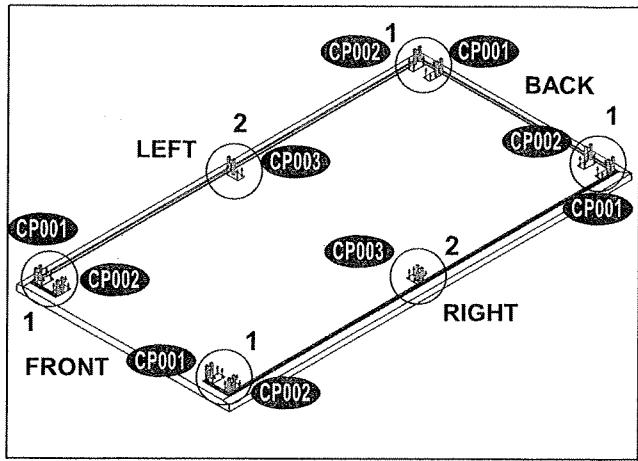


Fig. 2



**IMPORTANT:**

Be sure that bolts place in all column support footings must not be firmly tight and can be done only when all three structures (Front, Middle, Back) are already positioned.

8. Place the entrance taper channel (SD005) on top of base channel side (BC001) and secure with (S1) screws. See fig. 1

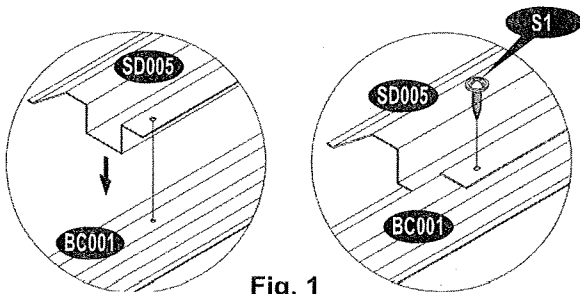
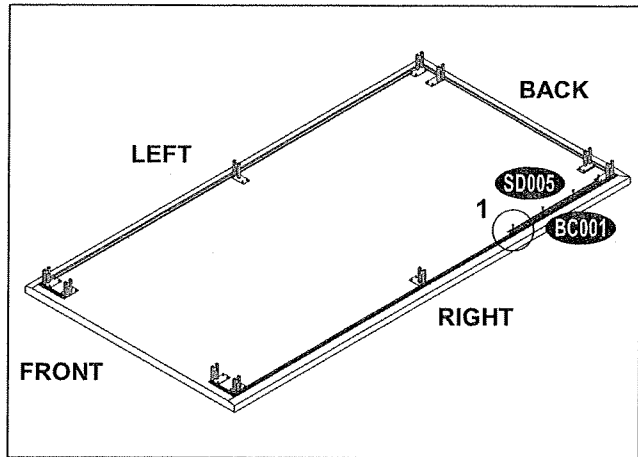
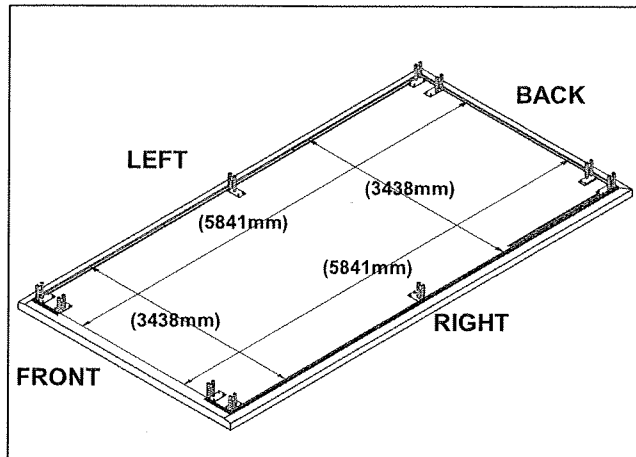
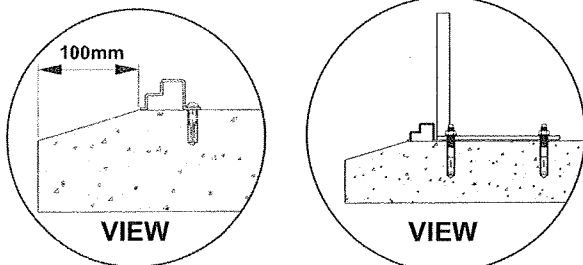


Fig. 1



9. Measure in all directions as shown in the figure. Make the base channel assembly in a perfect square.





## B. Front Structure (Preparation & Assembly)

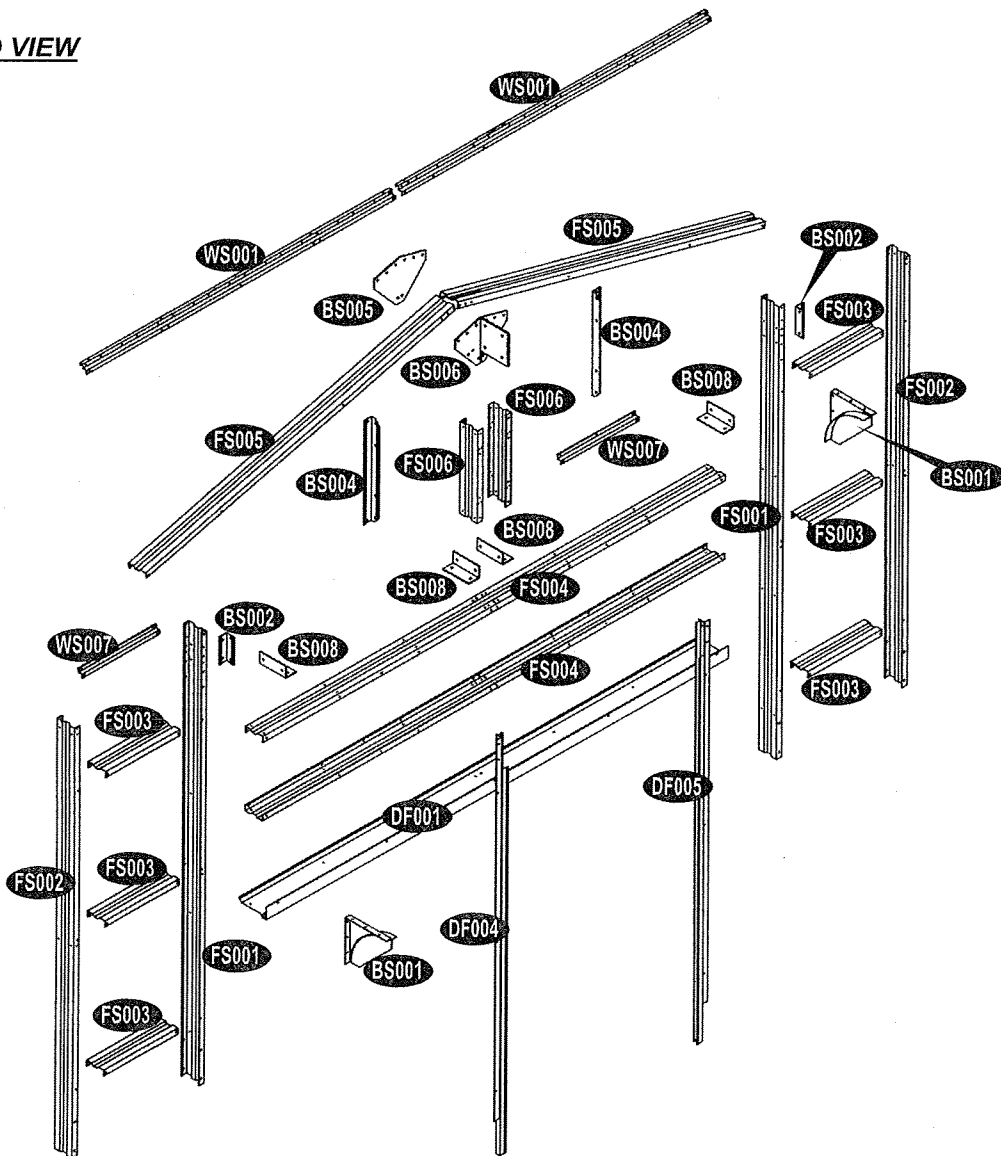


**Note** All front structure members are clearly marked and care should be taken to use the correct one.

### Parts needed:

(2)	Center Column Profile Front & Back	(FS001)	(2)	Shutter Door Runner Left & Right	(BS001)
(2)	Corner Column Profile Front & Back	(FS002)	(2)	Bracket Shutter Runner Left & Right	(BS002)
(6)	Column Support Center Front & Back	(FS003)	(2)	Roof Support Bracket Long Left & Right	(BS004)
(2)	Horizontal Top Support Front & Back	(FS004)	(1)	Triangular Plate Outer Front & Back	(BS005)
(2)	Top Chord Front & Back	(FS005)	(1)	Triangular Plate Inner Front & Back	(BS006)
(2)	Top Chord Support Front & Back	(FS006)	(4)	Angle Support Bracket Front & Back	(BS008)
(1)	Door Flashing Top	(DF001)	(66)	Dia. 4.2mm.x10.0mm. (5/32"x3/8")	(S1)
(1)	Shutter Door Rail Vertical Right	(DF004)		Sheet Metal Screw	
(1)	Shutter Door Rail Vertical Left	(DF005)	(58)	Dia. 4.2mm.x16.0mm. (5/32"x5/8")	(S2)
(2)	Wall Top Support front & Back /Left & Right	(WS001)		Sheet Metal Screw	
(2)	Wall Middle Support front /Left & Right	(WS007)	(6)	Dia. 4.0mm.x10.0mm. (5/32"x3/8")	(S3)
				Machine Screw with Nut	

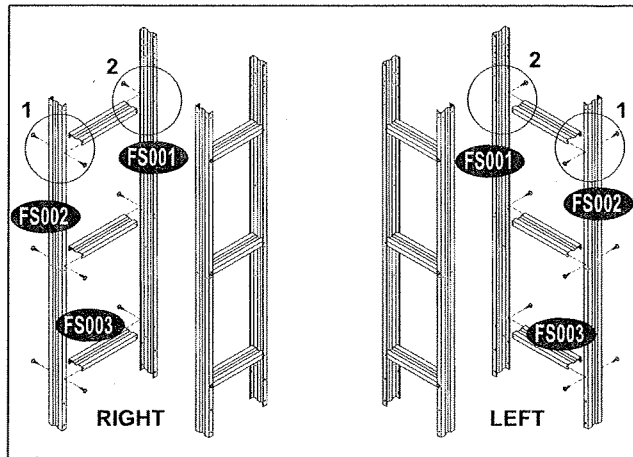
### EXPLODED VIEW



# PREPARE ALL FRONT STRUCTURE MEMBERS/ ASSEMBLY

1. Prepare and assemble front column profiles (FS001 & FS002) with all support members (FS003). Secure all with (S1) screws. Make left and right. See fig. 1 & 2.

**Note** *Assembly must be done in lay down position. Make sure that all steps and illustrations to be followed exactly during assembling of parts.*



NOTE: VIEW INSIDE

**Nota** *Make sure, only one side of FS001 with FS003 to be screwed first and other side to be screwed together with door rail vertical. See illustration.*

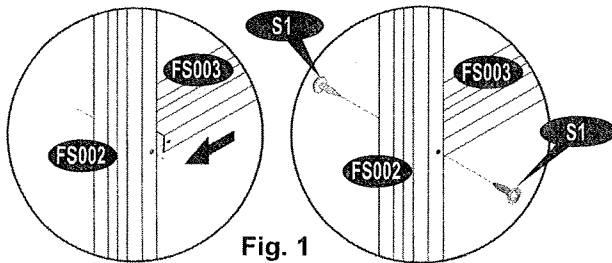


Fig. 1

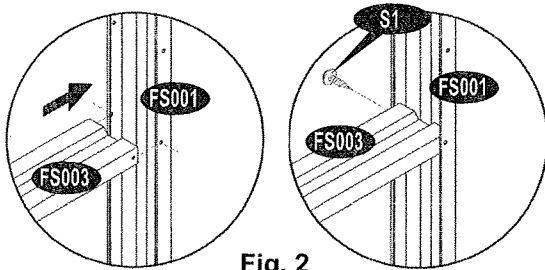
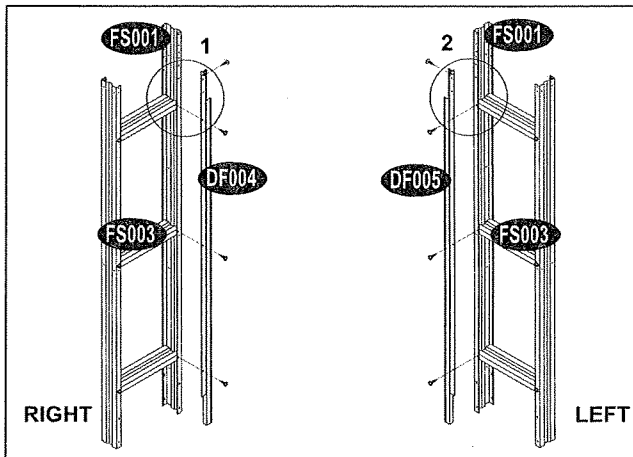


Fig. 2

2. Fix shutter door rail vertical (DF004 & DF005). Rail must be screwed together with FS001 & FS003. Secure all with (S2) screws. See fig. 1.



NOTE: VIEW INSIDE

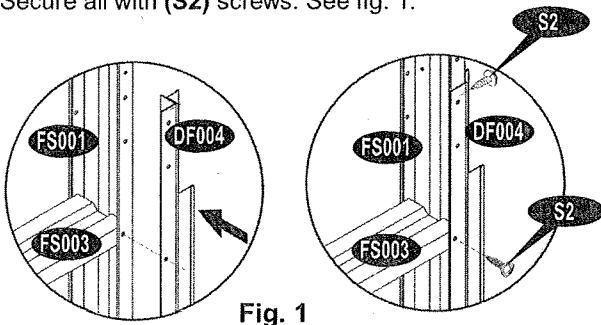


Fig. 1

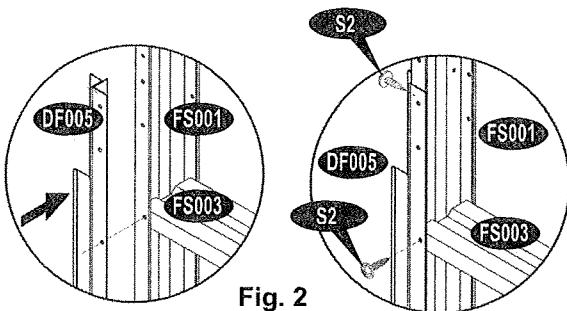


Fig. 2

3. Prepare and assemble top chord support (FS006) with angle support bracket (BS008). Use (S1) screws to join FS006 and (S2) screws to fix BS008.

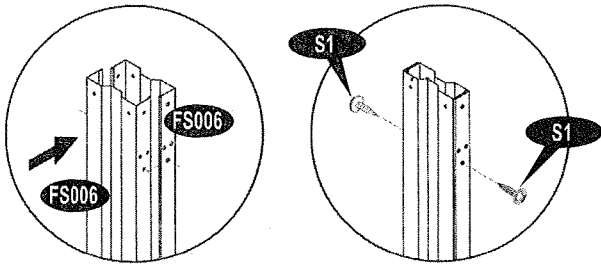
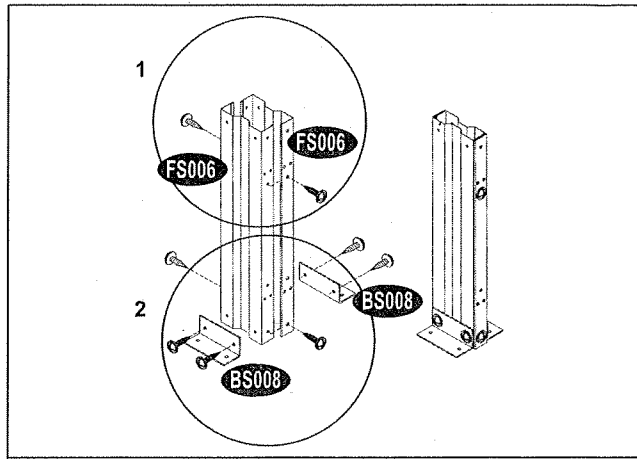
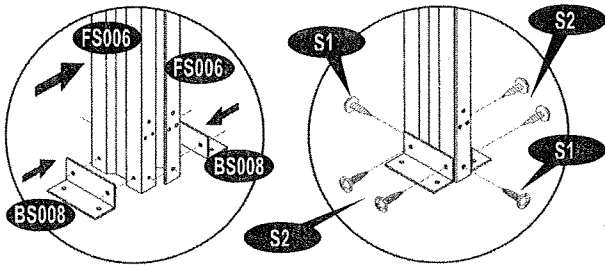


Fig. 1



**Note** Be sure that only one side of assembled horizontal top support (FS004) to be screwed first and one side to be screwed together with wall top support (WS001). See step 5.

4. Prepare and assemble horizontal top support (FS004) with angle support bracket (BS008). Use (S1) screws to join FS004 and (S2) screws to fix BS008. See fig. 1.

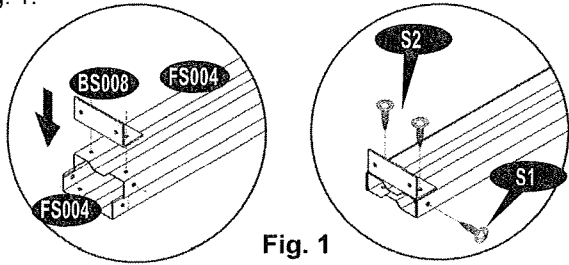
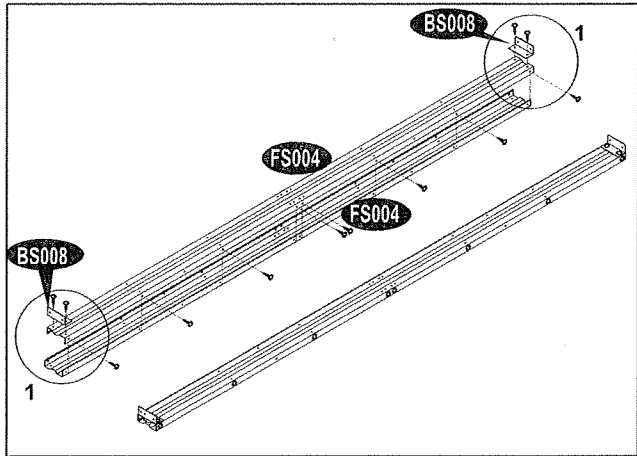


Fig. 1



5. Turn horizontal top support (FS004) and place wall top support left and right (WS001). Secure all with (S1) screws. See fig. 1 & 2.

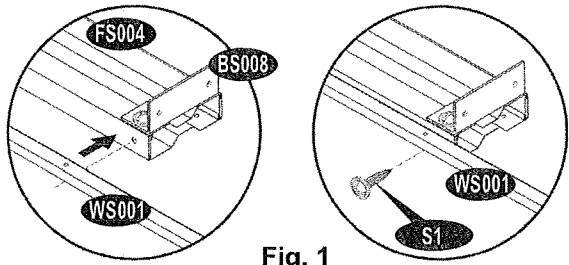


Fig. 1

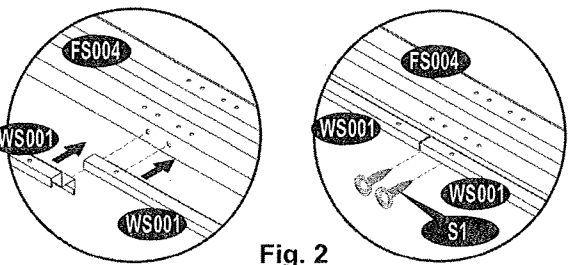
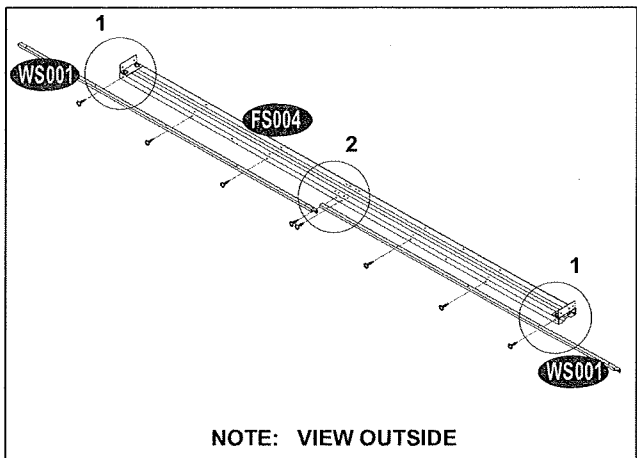


Fig. 2



6. Place assembled top chord support (FS006) on top of assembled horizontal top support (FS004). Secure with (S2) screws. See fig. 1.

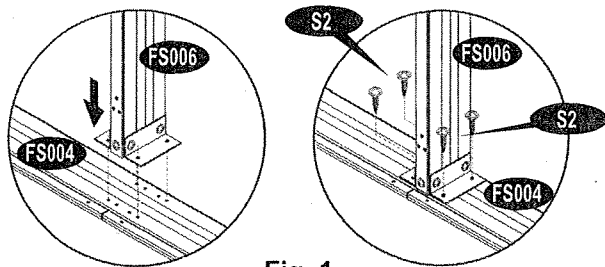
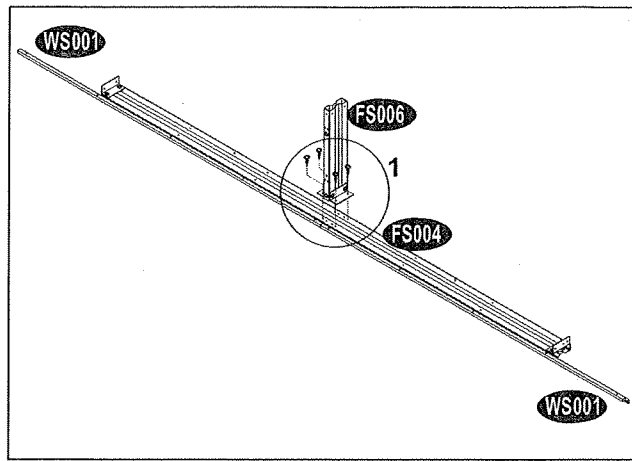


Fig. 1



NOTE: VIEW OUTSIDE

7. Fix top chord left and right (FS005) to the assembled front column profiles. Secure with (S1) & (S2) screws. See fig. 1 & 2. Observe screwing points.

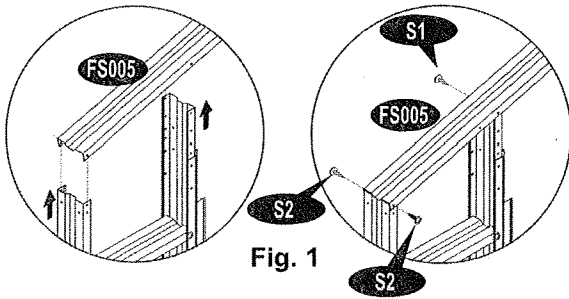


Fig. 1

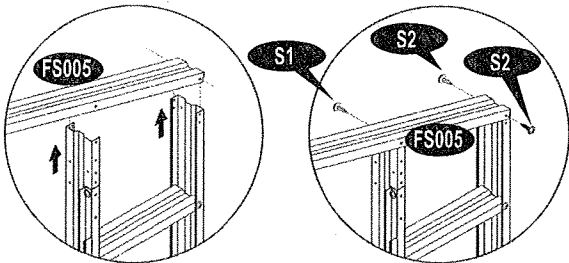
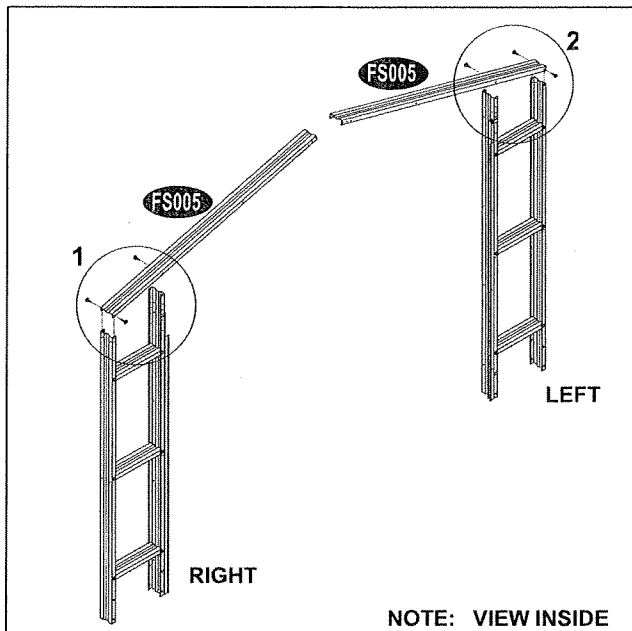


Fig. 2



NOTE: VIEW INSIDE

8. Join all assembled front structure members. Fix assembled horizontal top support (FS004 with FS006) and secure with (S2) screws. See fig. 1 & 2. (Use S1 & S2 screws where ever required)

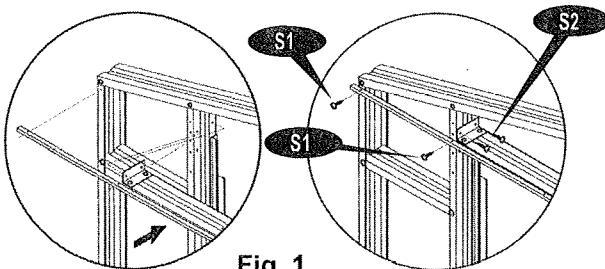
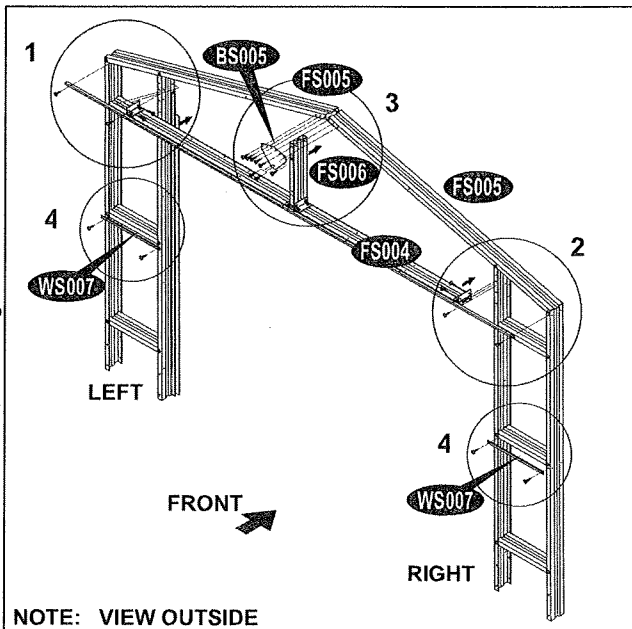


Fig. 1



NOTE: VIEW OUTSIDE

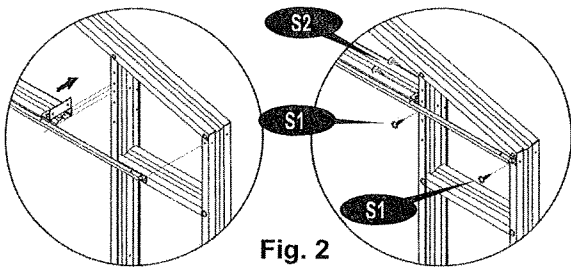


Fig. 2

9. Join the top chords (FS005) & support (FS006) with triangular bracket plate outer (BS005). Secure all with (S2) screws. See. Fig. 3.

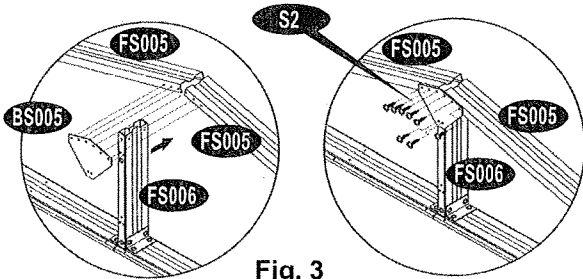


Fig. 3

10. Place wall middle support front (WS007) on both left and right with (S1) screws. See fig. 4.

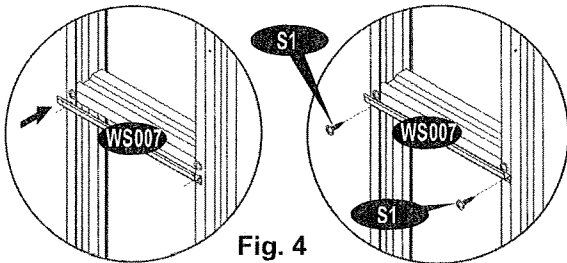


Fig. 4

11. Place door flashing top (DF001) and secure with (S1) screws. See fig. 1 & 2.

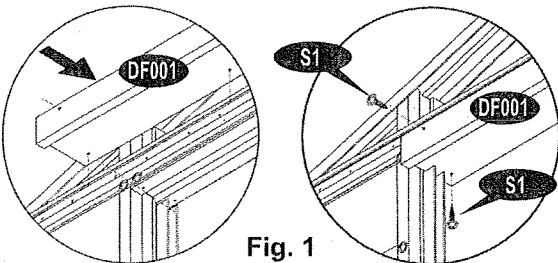


Fig. 1

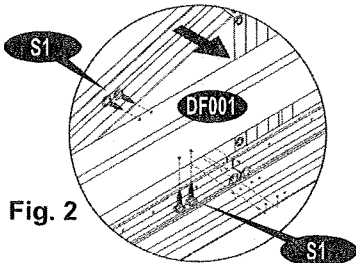
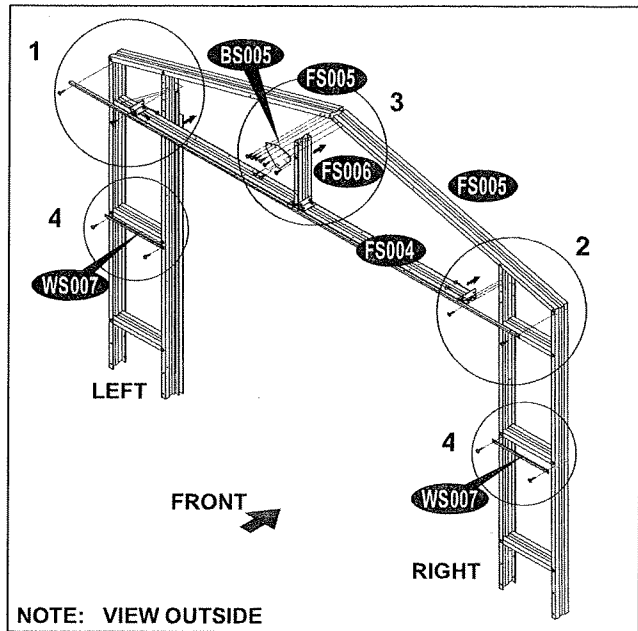
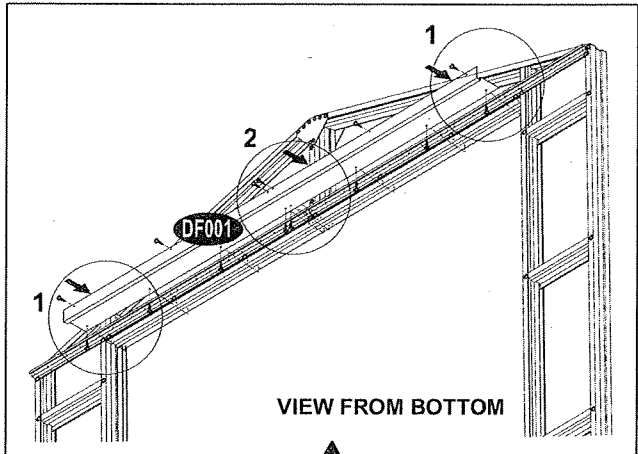


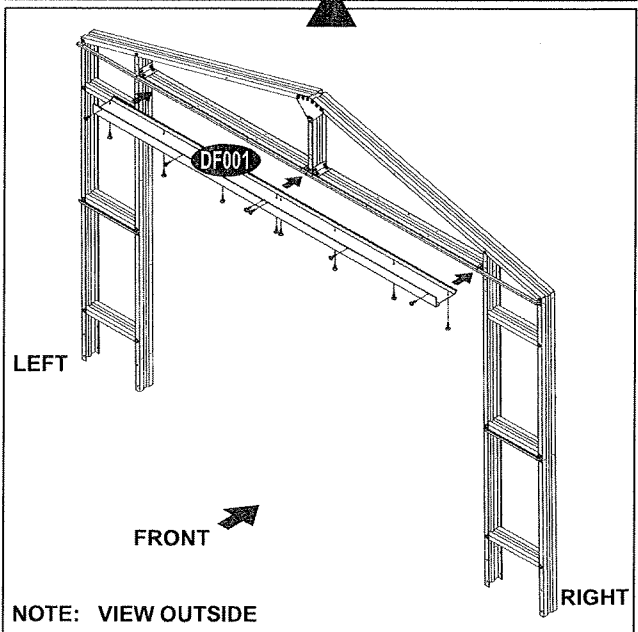
Fig. 2



NOTE: VIEW OUTSIDE



VIEW FROM BOTTOM



NOTE: VIEW OUTSIDE



**Note** Prior to complete the preparation of front structure assembly, fix all required accessories on the other side. Turn the structure. Always observe position of all brackets and follow the figure shown.

12. Fix shutter door runner left and right (BS001) with (S3) machine screws with nut. Fix the bracket shutter runner left and right (BS002) with (S2) screws. See fig. 1.

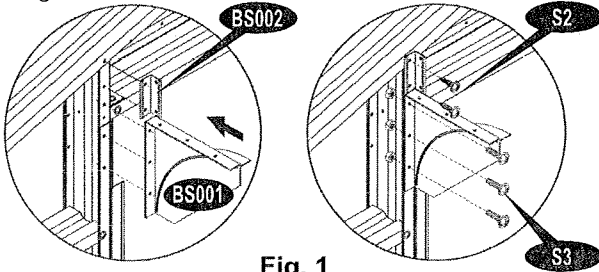


Fig. 1

13. Fix roof support bracket long/ left and right (BS004) with (S2) screws. See fig. 2. Bracket left and right must be face to each other.

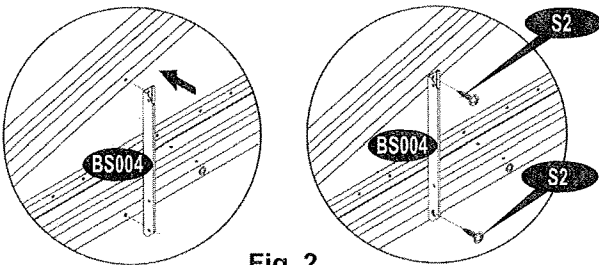


Fig. 2

14. Fix triangular plate inner (BS006) and secure all with (S2) screws. See fig. 3.

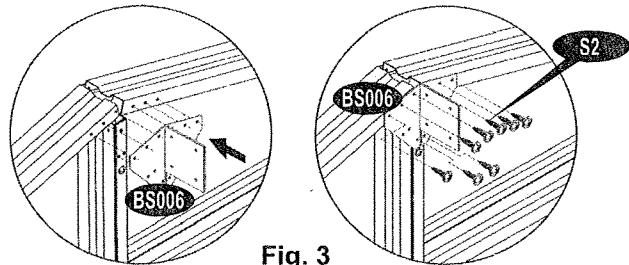
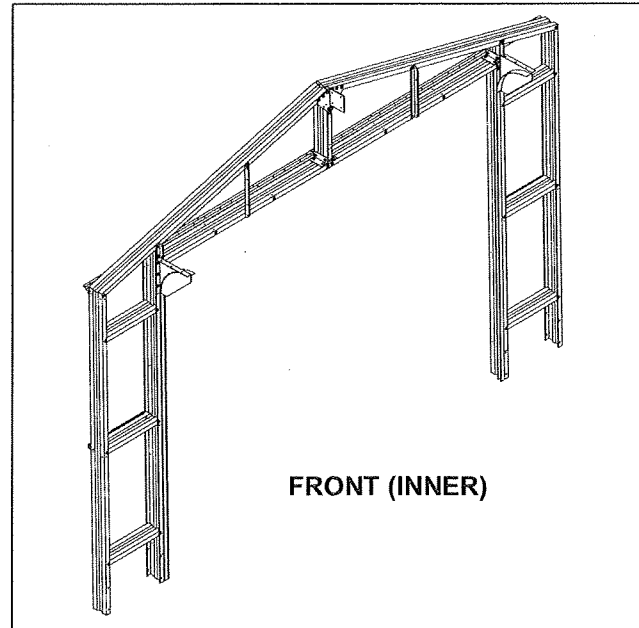
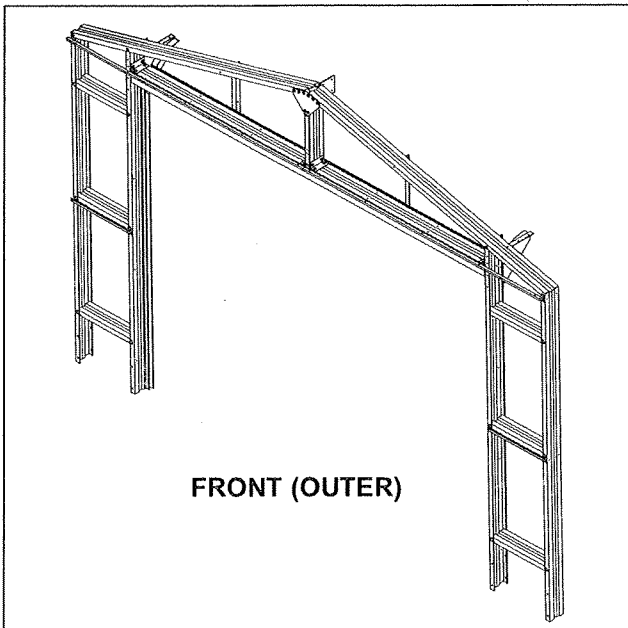


Fig. 3

15. Check assembled front structure and its members.



## C. Back Structure (Preparation & Assembly)

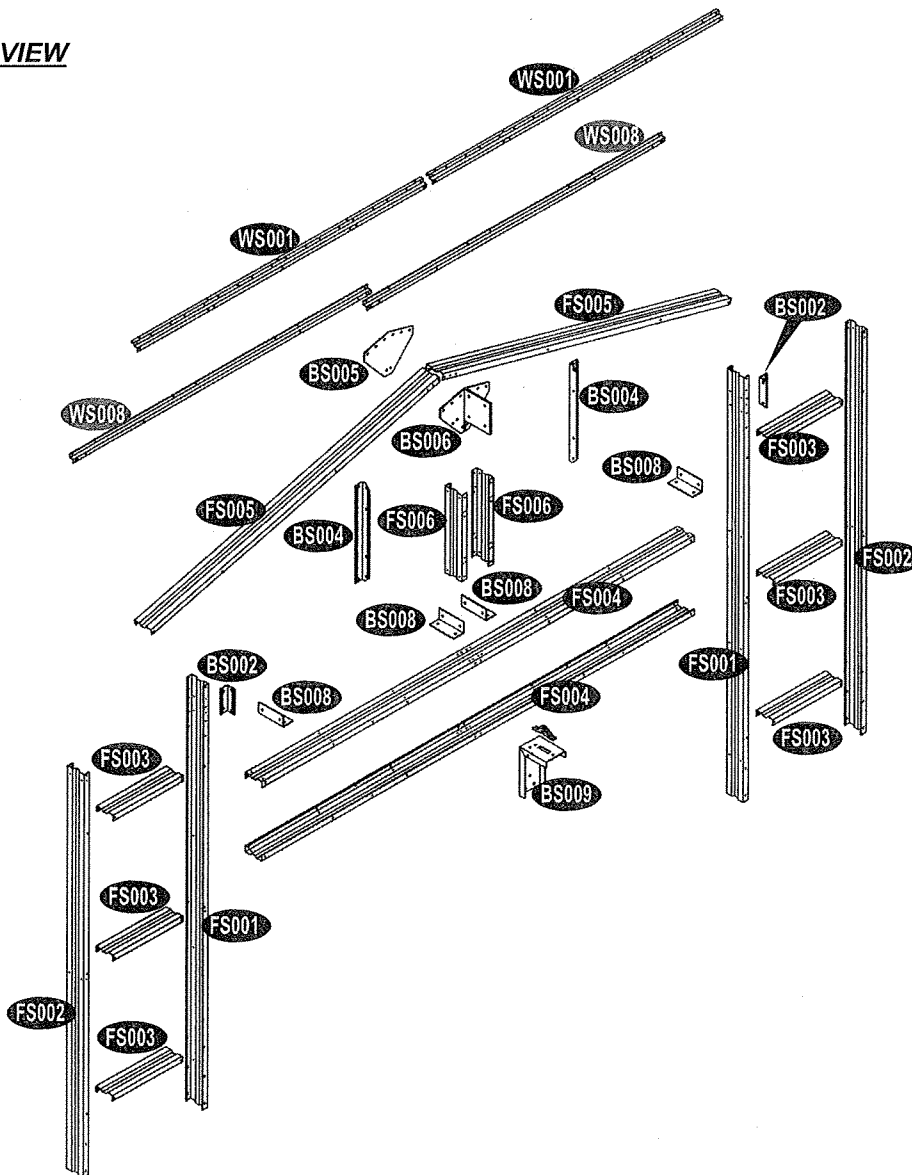


**Note** All back structure members are clearly marked and care should be taken to use the correct one.

### Parts needed:

(2)	Center Column Profile Front & Back	(FS001)	(2)	Roof Support Bracket Long Left & Right	(BS004)
(2)	Corner Column Profile Front & Back	(FS002)	(1)	Triangular Plate Outer Front & Back	(BS005)
(6)	Column Support Center Front & Back	(FS003)	(1)	Triangular Plate Inner Front & Back	(BS006)
(2)	Horizontal Top Support Front & Back	(FS004)	(4)	Angle Support Bracket Front & Back	(BS008)
(2)	Top Chord Front & Back	(FS005)	(56)	Dia. 4.2mm.x10.0mm. (5/32"x3/8")	(S1)
(2)	Top Chord Support Front & Back	(FS006)		Sheet Metal Screw	
(2)	Wall Top Support Front & Back /Left & Right	(WS001)	(47)	Dia. 4.2mm.x10.0mm. (5/32"x5/8")	(S2)
(2)	Wall Middle Support Back /Left & Right	(WS008)		Sheet Metal Screw	
(2)	Bracket Shutter Runner Left & Right	(BS002)	(2)	Dia. 4.0mm.x10.0mm. (5/32"x3/8")	(S3)
				Machine Screw with Nut	

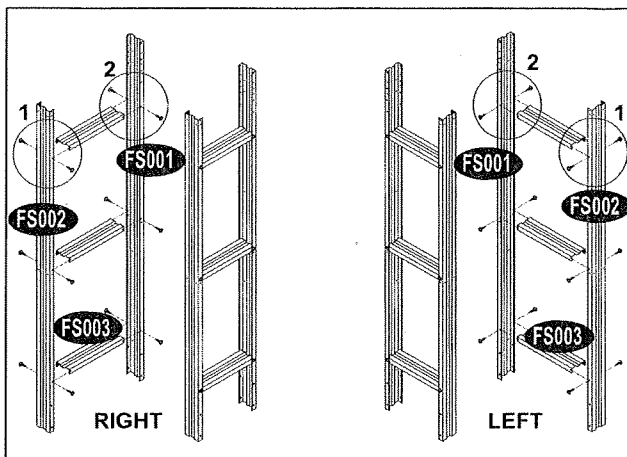
### EXPLODED VIEW



## PREPARE ALL BACK STRUCTURE MEMBERS/ ASSEMBLY

1. Prepare and assemble back column profiles (FS001 & FS002) with all support members (FS003). Secure all with (S1) screws. Make left and right. See fig. 1 & 2.

**Note** *Assembly must be done in lay down position. Make sure that all steps and illustrations to be followed exactly during assembling of parts.*



NOTE: VIEW INSIDE

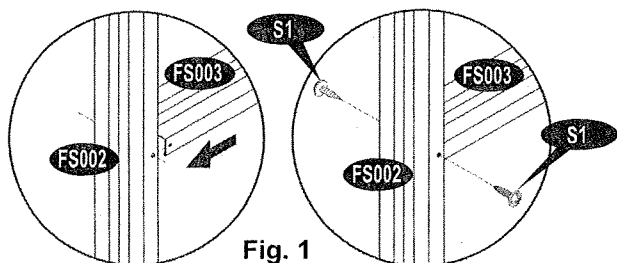


Fig. 1

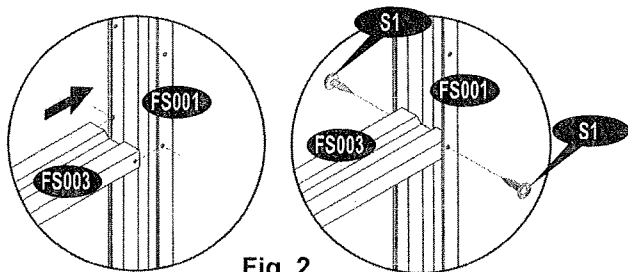


Fig. 2

2. Prepare and assemble top chord support (FS006) and angle support bracket (BS008). Use (S1) screws to join FS006 and (S2) screws to fix BS008.

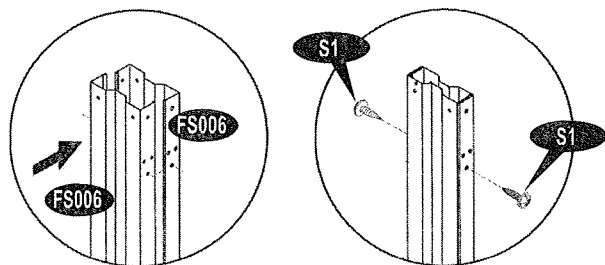
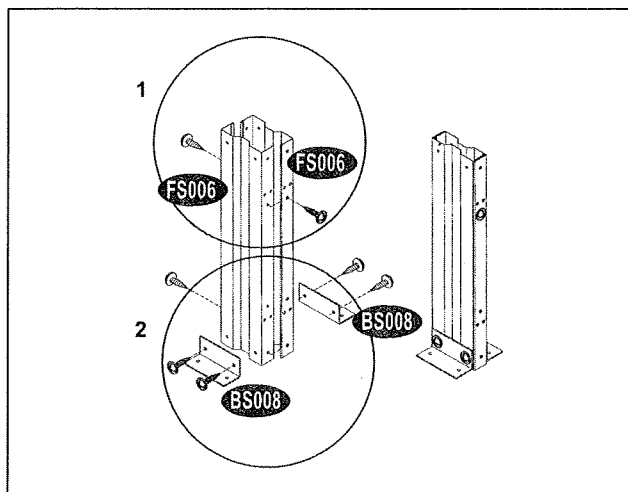


Fig. 1

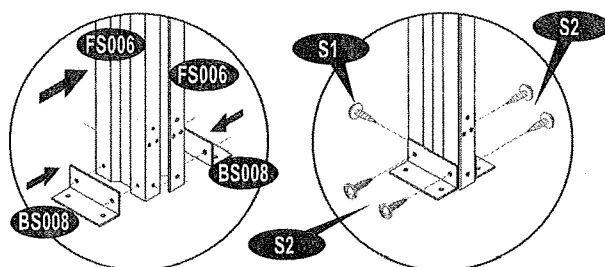


Fig. 2



3. Prepare and assemble horizontal top support (FS004) with angle support bracket (BS008). Use (S1) screws to join FS004 and (S2) screws to fix BS008. See fig. 1.



**Note** Be sure that only one side of assembled horizontal top support (FS004) to be screwed first and one side to be screwed together with wall top support (WS001). See step 4.

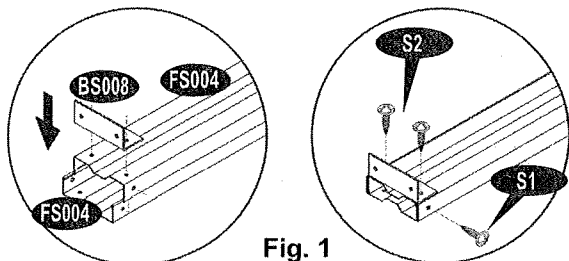
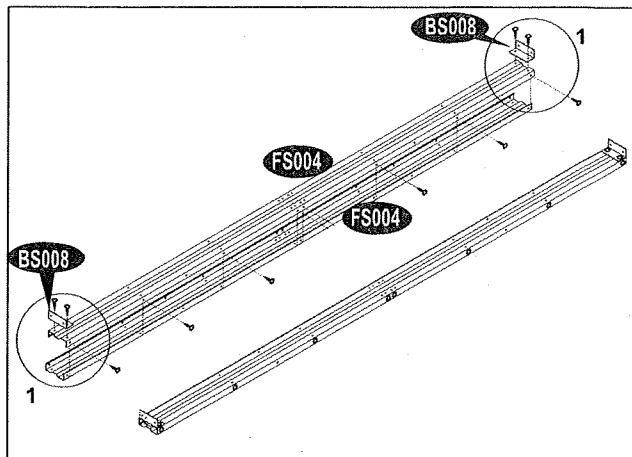


Fig. 1



NOTE: VIEW INSIDE

4. Turn horizontal top support (FS004) and place wall top support left and right (WS001). Secure all with (S1) screws. See fig. 1 & 2.

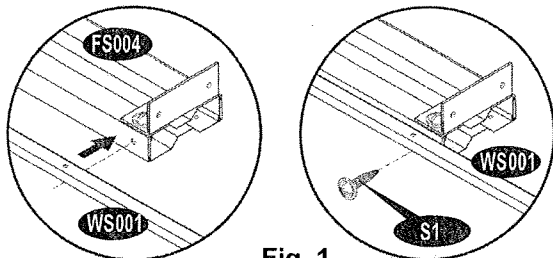


Fig. 1

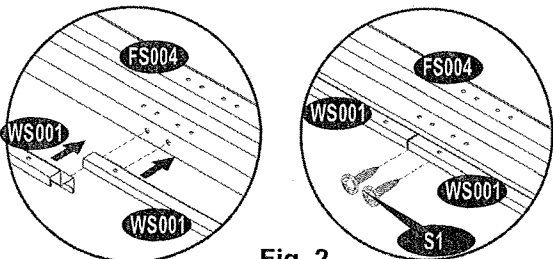
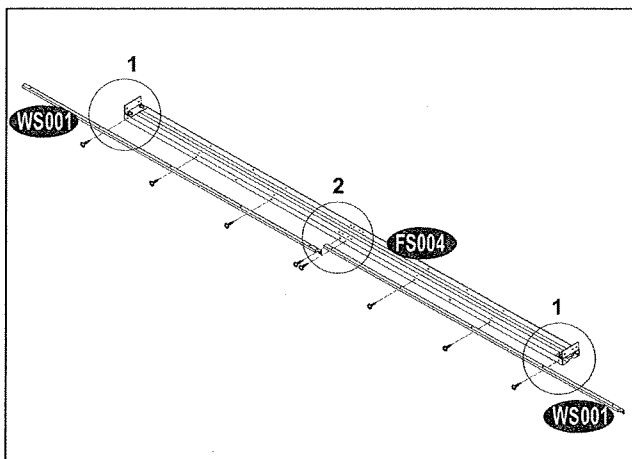


Fig. 2



NOTE: VIEW OUTSIDE

5. Place assembled top chord support (FS006) on top of assembled horizontal top support (FS004). Secure with (S2) screws. See fig. 1.

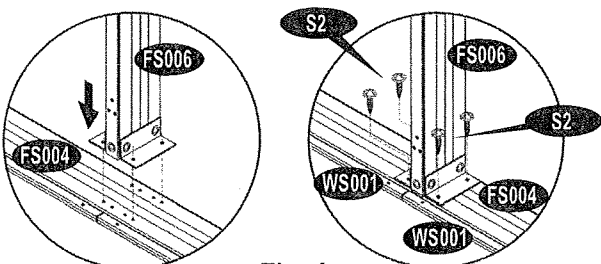
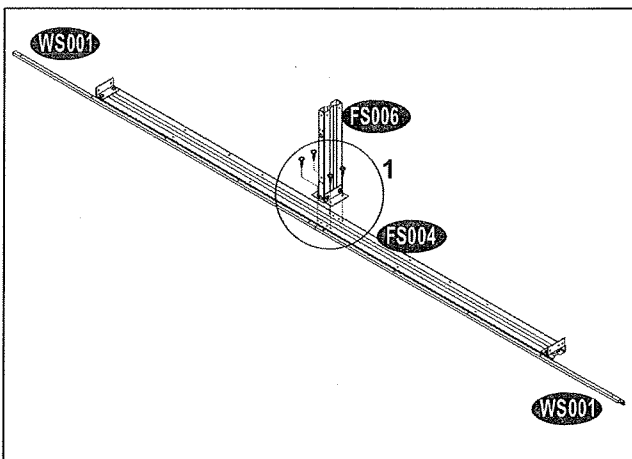
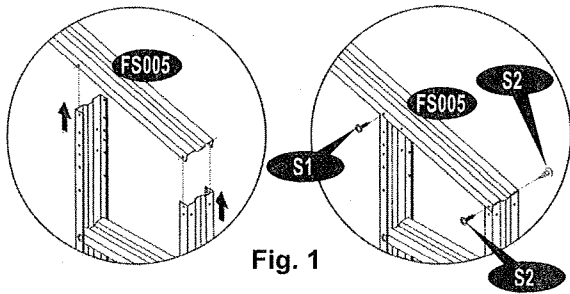


Fig. 1

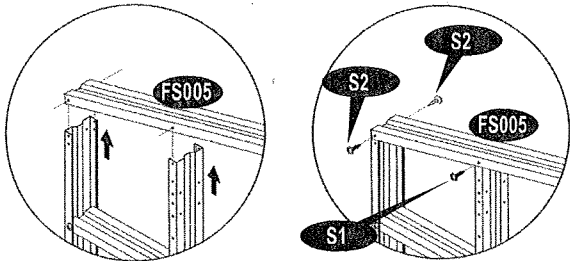


NOTE: VIEW OUTSIDE

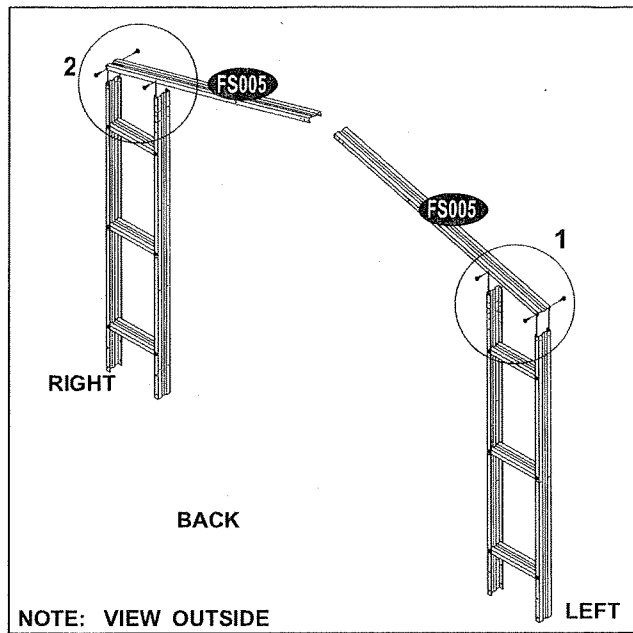
**6.** Fix top chord left and right (**FS005**) to the assembled back column profiles. Secure with (**S1**) & (**S2**) screws. See fig. 1 & 2.



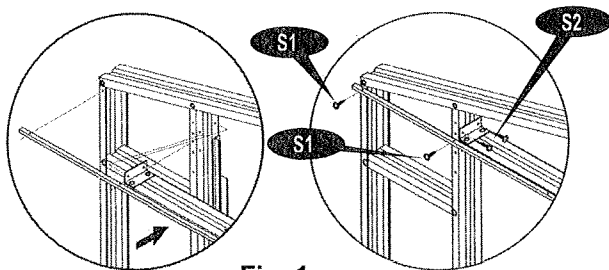
**Fig. 1**



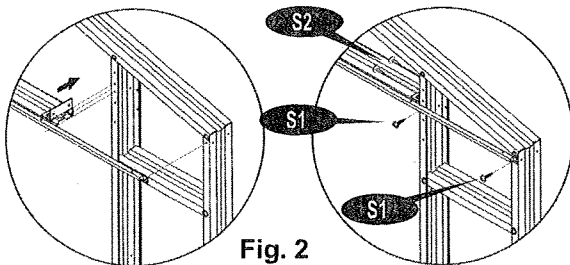
**Fig. 2**



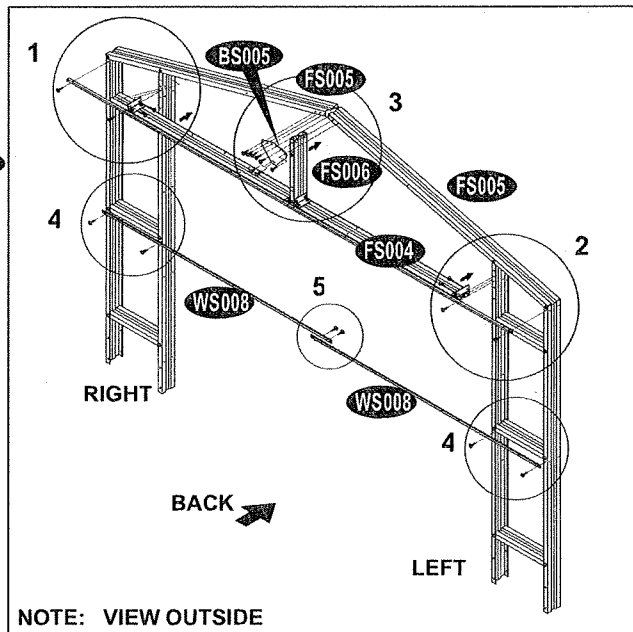
**7.** Join all assembled back structure members. Fix assembled horizontal top support (**FS004** with **FS006**) and secure with (**S2**) screws. See fig. 1 & 2. (Use **S1** & **S2** screws where ever required)



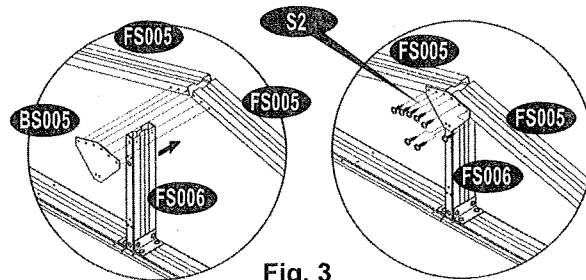
**Fig. 1**



**Fig. 2**



**8.** Join the top chords (**FS005**) & support (**FS006**) with triangular bracket plate outer (**BS005**). Secure all with (**S2**) screws. See. Fig. 3.



**Fig. 3**

9. Place wall middle support back (WS008) on both left and right with (S1) screws. See fig. 4.

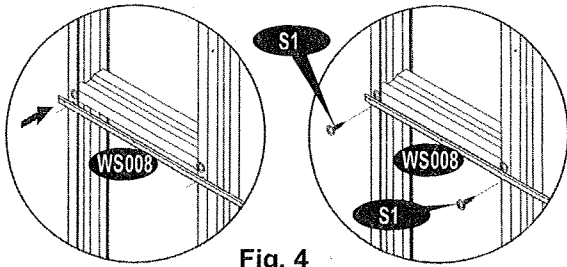


Fig. 4

10. Join the two wall middle support back (WS008) with (S1) screws. See fig. 5.

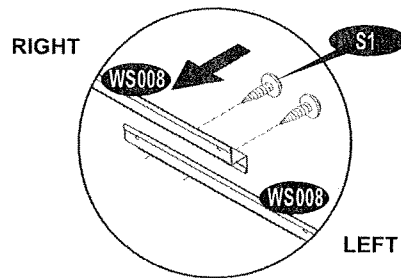


Fig. 5



**Note** Prior to complete the preparation of front structure assembly, fix all required accessories on the other side. Turn the structure. Always observe position of all brackets and follow the figure shown.

11. Fix the bracket shutter runner left and right (BS002) with (S2) screws. See fig. 1.

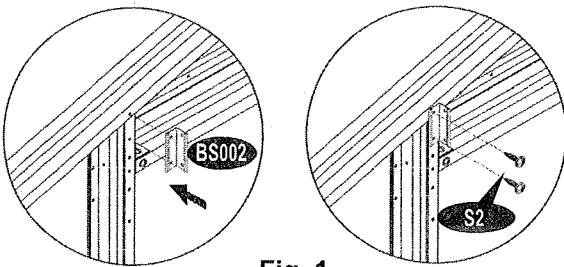


Fig. 1

12. Fix roof support bracket long/ left and right (BS004) with (S2) screws. See fig. 2. Brackets left and right must be face to each other.

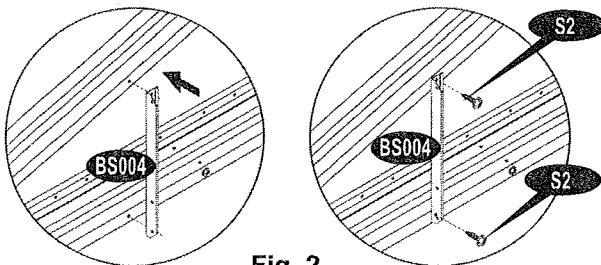


Fig. 2

13. Fix triangular plate inner (BS006) and secure all with (S2) screws. See fig. 3.

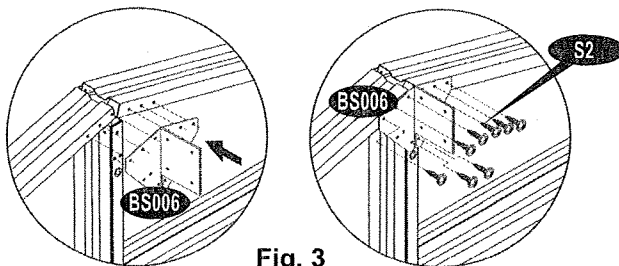
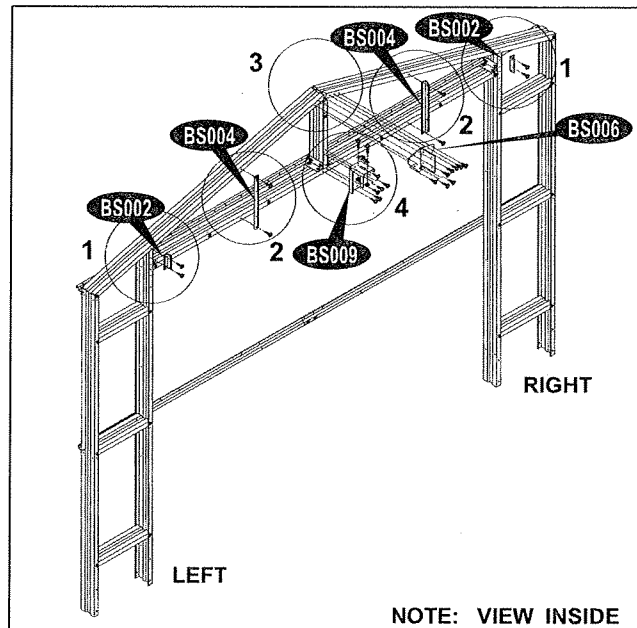


Fig. 3



14. Fix sliding roller bracket/ back (BS009) all with (S2) screws. See fig. 4.

**NOTE: Provided sliding roller must be assembled first before fixing the sliding roller bracket.**

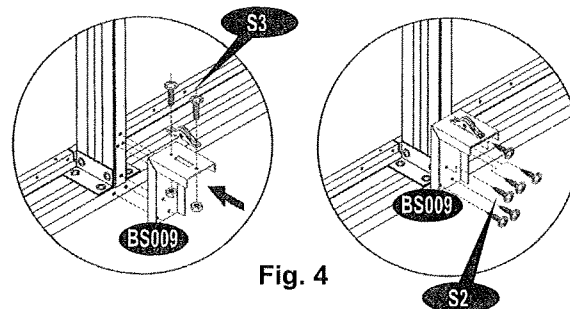
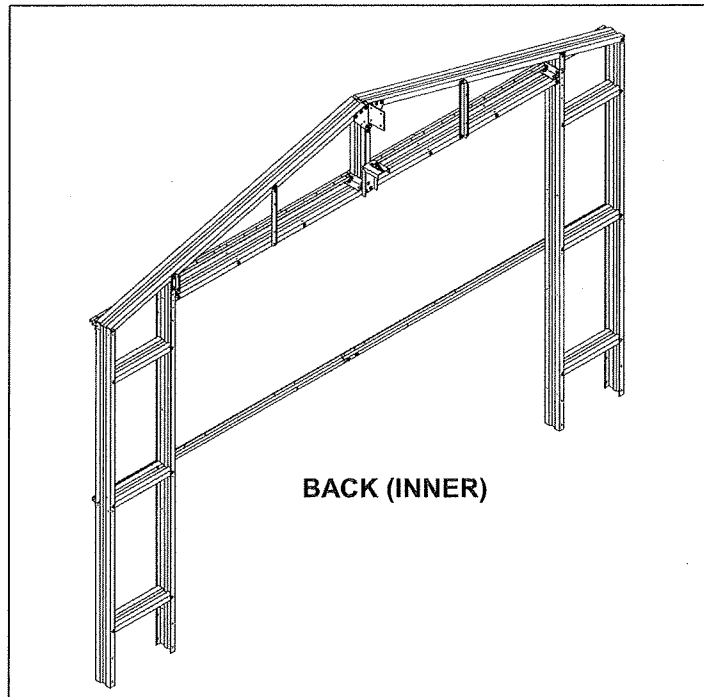
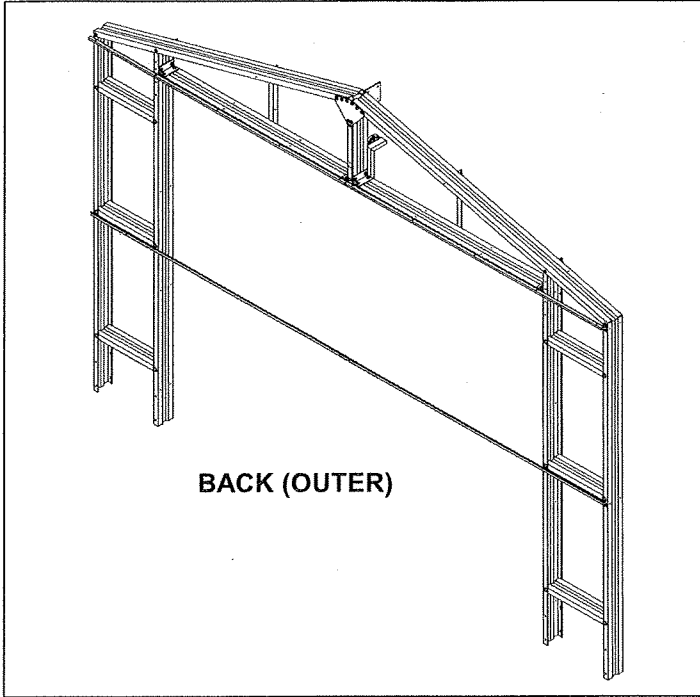


Fig. 4

15. Check assembled back structure and its members.



## D. Center Structure (Preparation & Assembly)

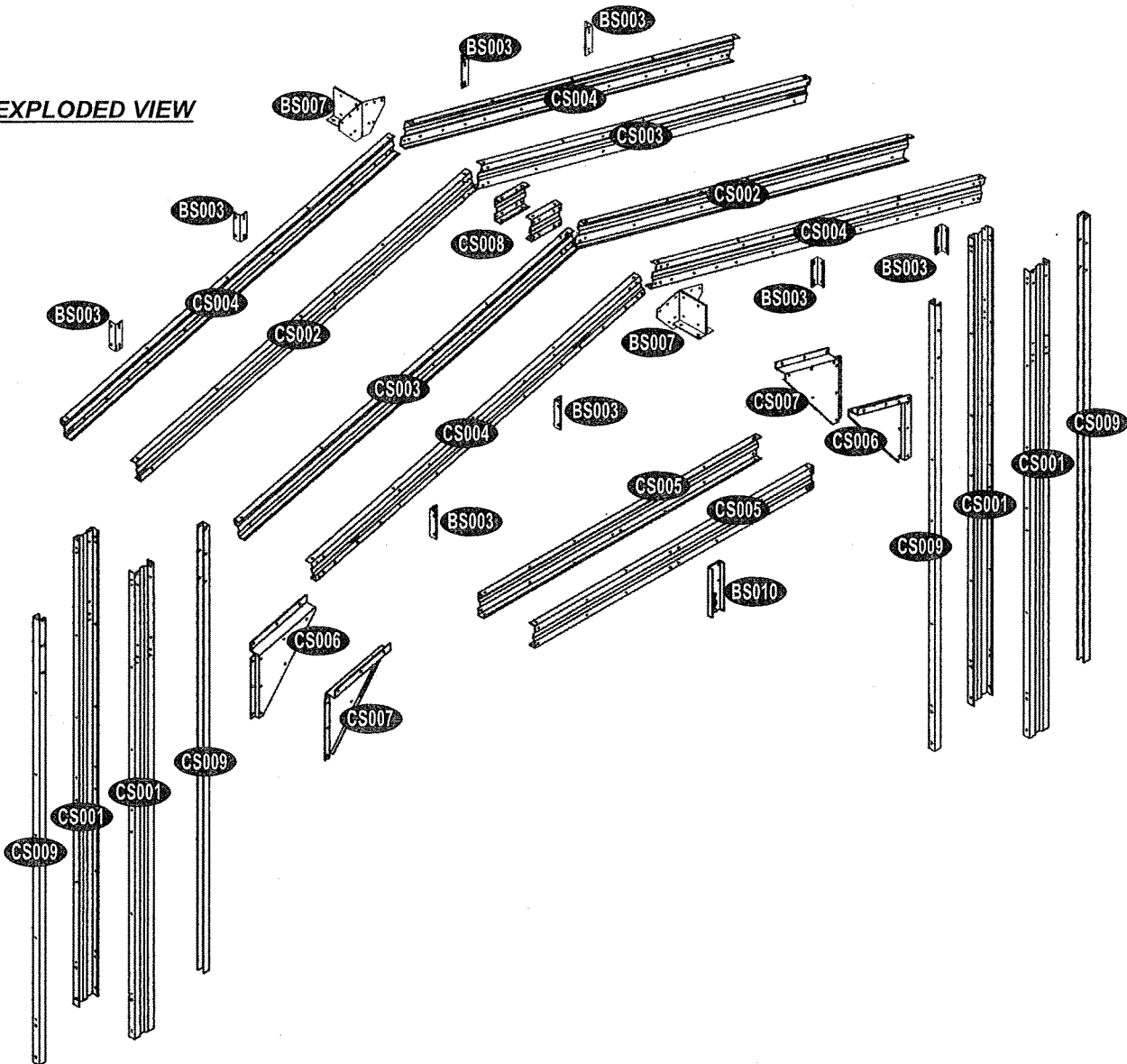


All center structure members are clearly marked and care should be taken to use the correct one.

### Parts needed:

(4)	Side Column Center Left & Right	(CS001)	(8)	Roof Support Bracket Short Left & Right	(BS003)
(2)	Top Chord Center Front Right & Back Left	(CS002)	(2)	Triangular Plate Inner Center Left & Right	(BS007)
(2)	Top Chord Center Front Left & Back Right	(CS003)	(1)	Sliding Roller Bracket Center	(BS010)
(4)	Top Chord Cover Left & Right	(CS004)			
(2)	Horizontal Support Center	(CS005)	(58)	Dia. 4.2mm.x10.0mm. (5/32"x3/8")	(S1)
(2)	Structure Side Bracket Left	(CS006)		Sheet Metal Screw	
(2)	Structure Side Bracket Right	(CS007)	(126)	Dia. 4.2mm.x16.0mm. (5/32"x5/8")	(S2)
(2)	Top Chord Join Center	(CS008)		Sheet Metal Screw	
(4)	Reinforcement Side Center Left & Right	(CS009)	(14)	Dia. 4.0mm.x10.0mm. (5/32"x3/8")	(S3)
				Machine Screw with Nut	

### EXPLODED VIEW



# PREPARE ALL CENTER STRUCTURE MEMBERS/ ASSEMBLY

1. Prepare and assemble two side center column (CS001) with (S1) screws. See fig. 1. Make two sets.

**Note** *Assembly must be done in lay down position. Make sure that all steps and illustrations to be followed exactly during assembling of parts.*

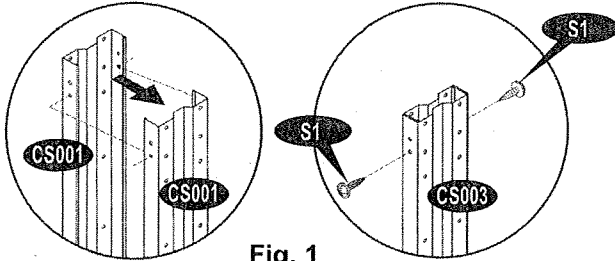


Fig. 1

2. Fix reinforcement side center (CS009) on both sides of assembled (CS001) and secure all with (S2) screws where ever required. See fig. 1 & 2. Make two sets.

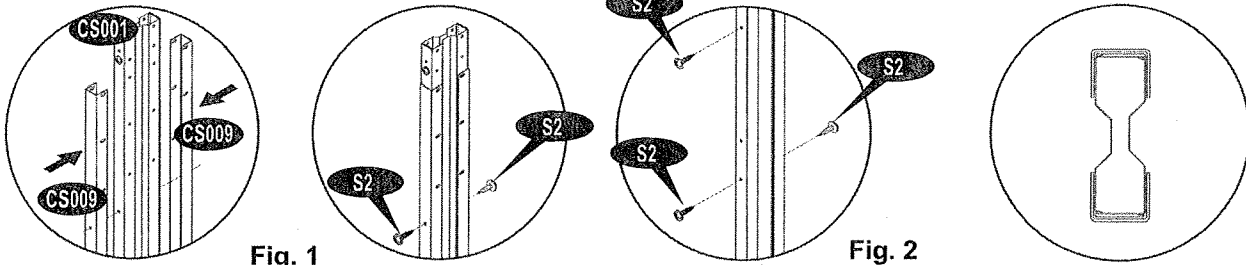


Fig. 1

Fig. 2

3. Prepare and assemble horizontal support center (CS005) with (S1) screws. See fig. 1.

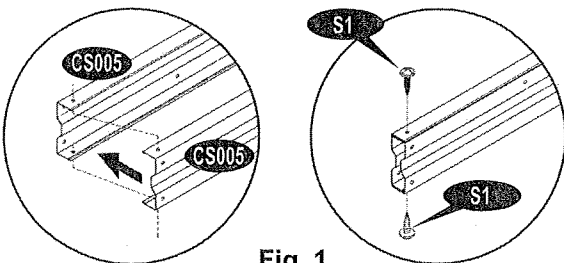
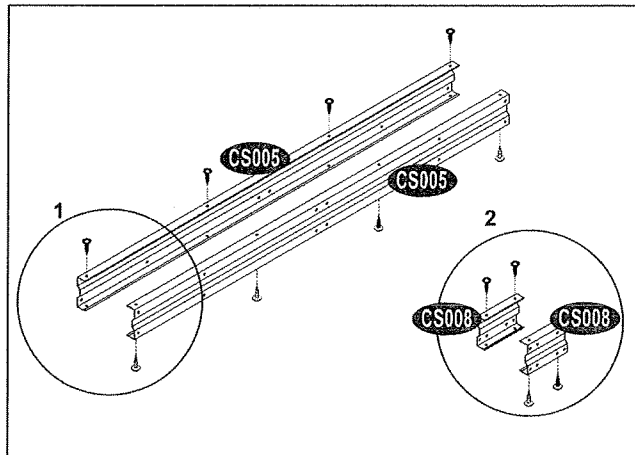


Fig. 1



4. Prepare and assemble top chord joint center (CS008) with (S1) screws. See fig. 2.

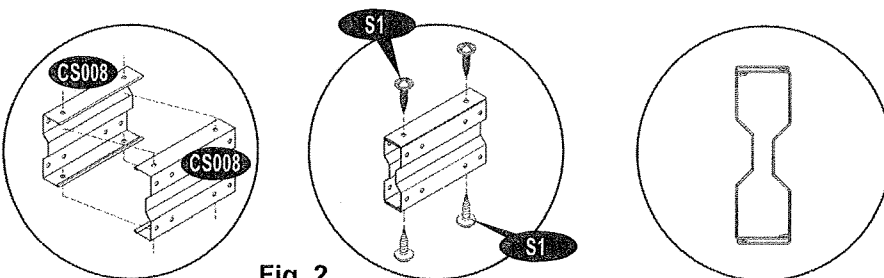


Fig. 2

5. Fix top chord center (CS002) with assembled right center column (CS001), and (CS003) with left center column (CS001). Secure all with (S2) screws. See fig. 1 & 2.

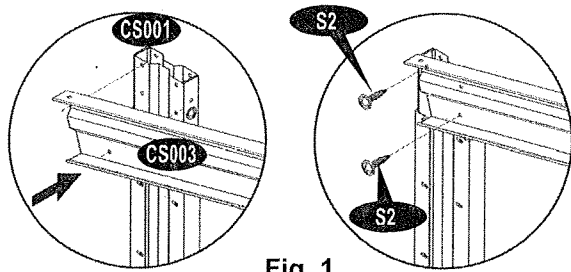


Fig. 1

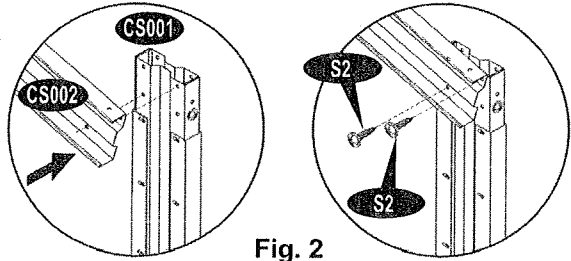
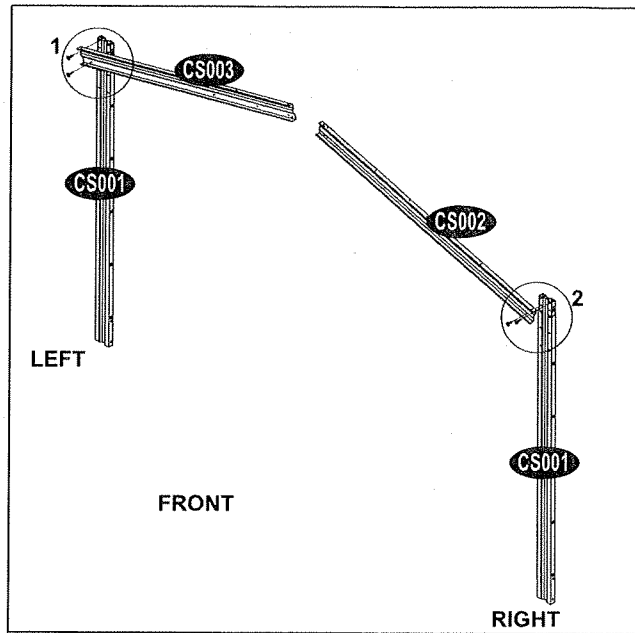


Fig. 2



6. Place assembled top chord joint center (CS008) to the top chord center (CS002 & CS003) and secure all with (S2) screws. See fig. 1.

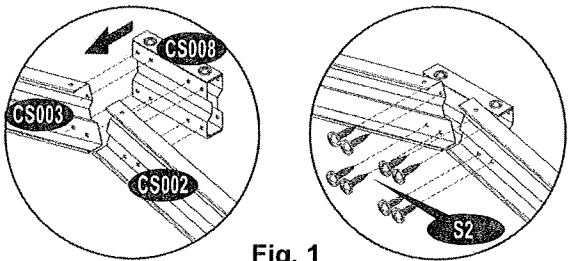
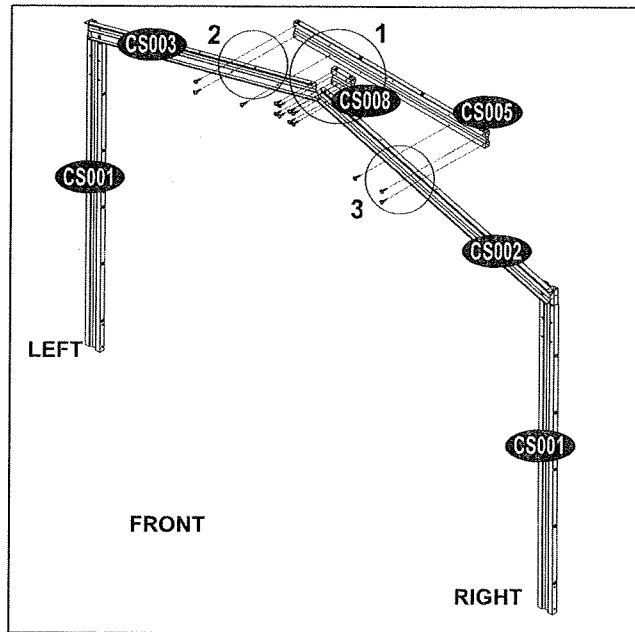


Fig. 1



7. Place assembled horizontal support center (CS005) to the top chord center (CS002 & CS003) and secure all with (S2) screws. See fig. 2 & 3.

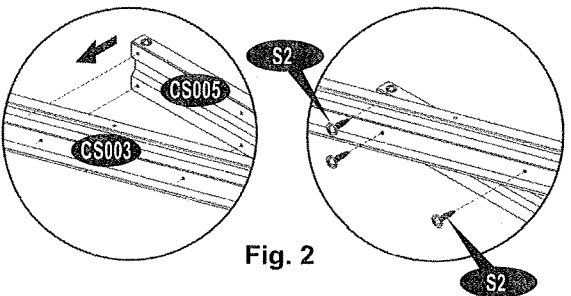


Fig. 2

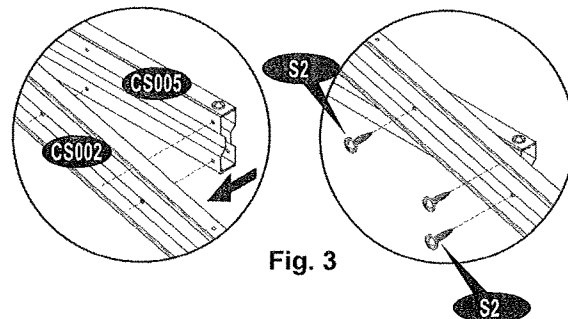


Fig. 3

8. Fix top chord center cover (CS004) to top chord center left and right (CS002 & CS003) and secure all with (S1) screws. See fig. 1 & 2.

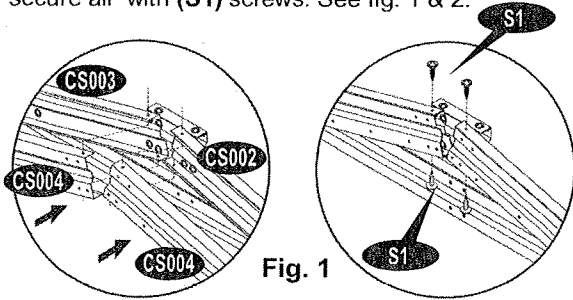


Fig. 1

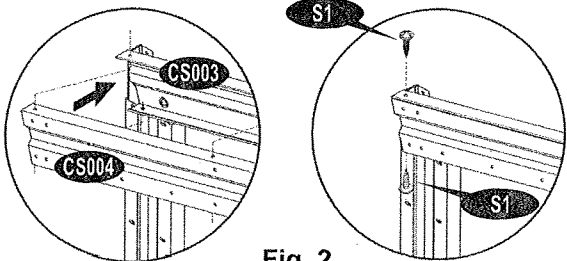


Fig. 2

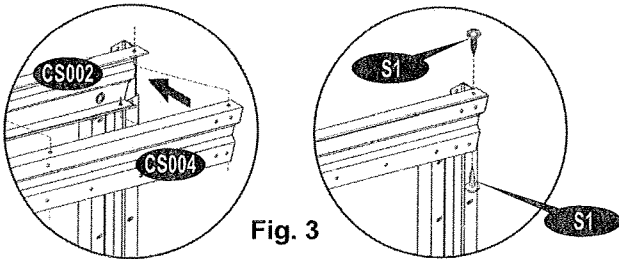
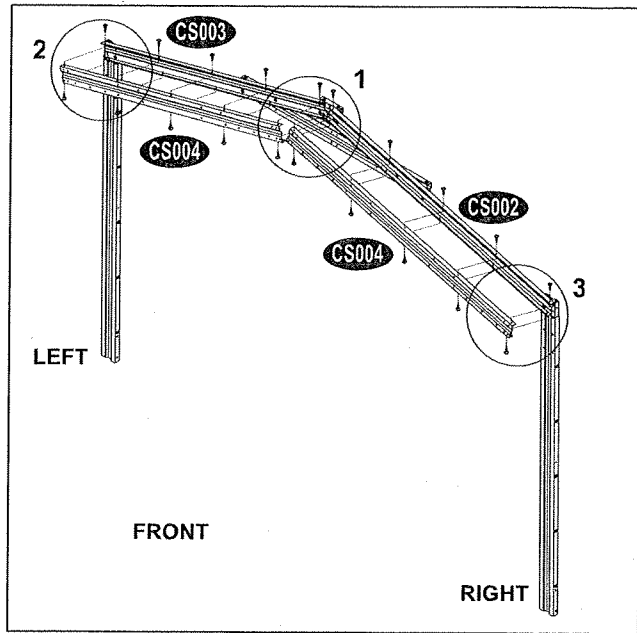


Fig. 3



**Fix all the accessories**

9. Fix roof support bracket short (BS003) on left side (CS004) and secure with (S2) screws. See fig. 1.

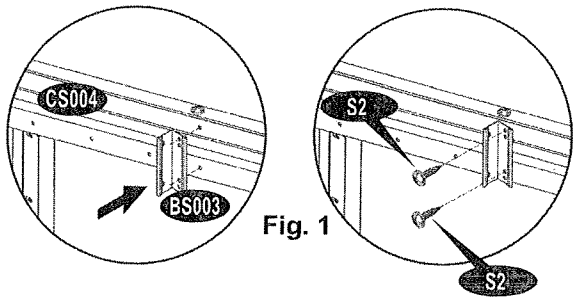


Fig. 1

10. Fix roof support bracket short (BS003) on right side (CS004) and secure with (S2) screws. See fig. 2.

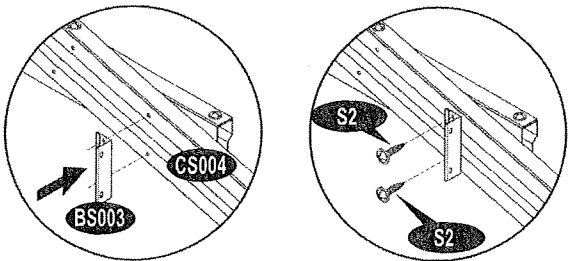
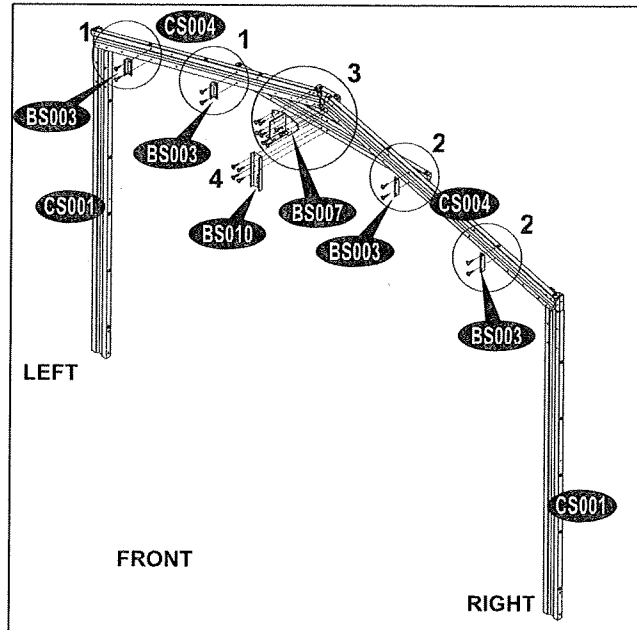


Fig. 2





**11.** Fix triangular plate inner center (BS007) and secure all with (S2) screws. See fig. 3.

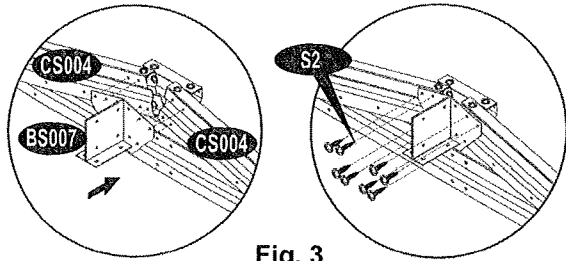


Fig. 3

**12.** Fix sliding roller bracket/ center (BS010) and secure all with (S2) screws. See fig. 4.

**NOTE:** Provided sliding roller must be assembled first before fixing the sliding roller bracket. See View A.

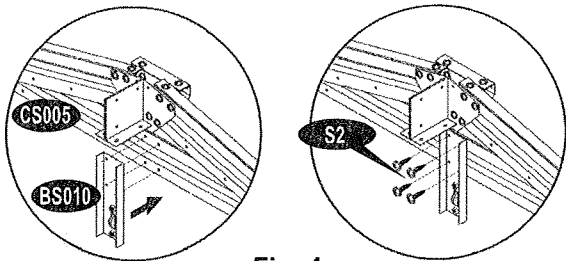
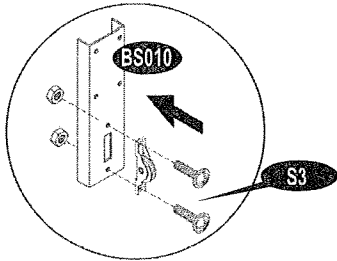
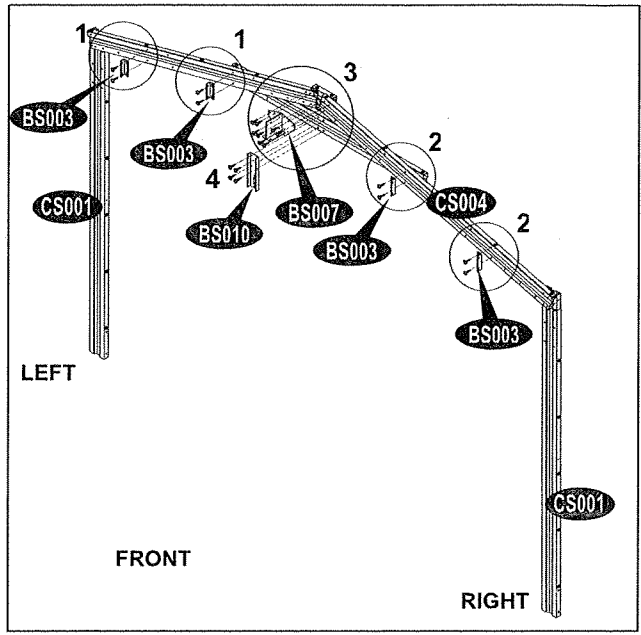


Fig. 4



View A



**Note** Prior to complete the preparation of center structure assembly, fix all required accessories on the other side. Turn the structure.

**13.** Fix top chord center (CS002 & CS003) on the other side following the illustration. Secure all with (S2) screws. See fig. 1, 2 & 3.

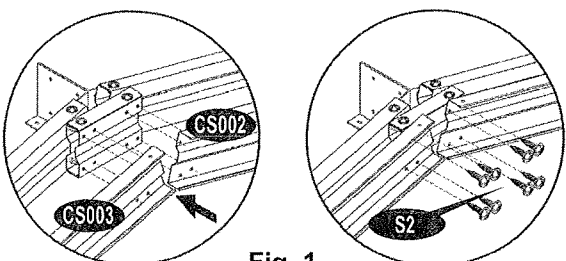


Fig. 1

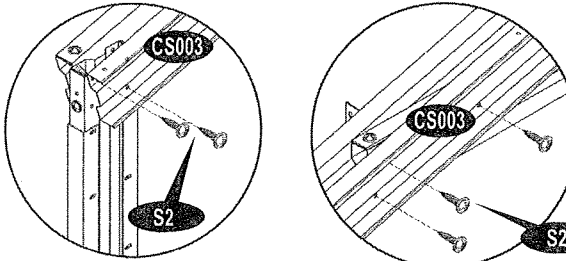
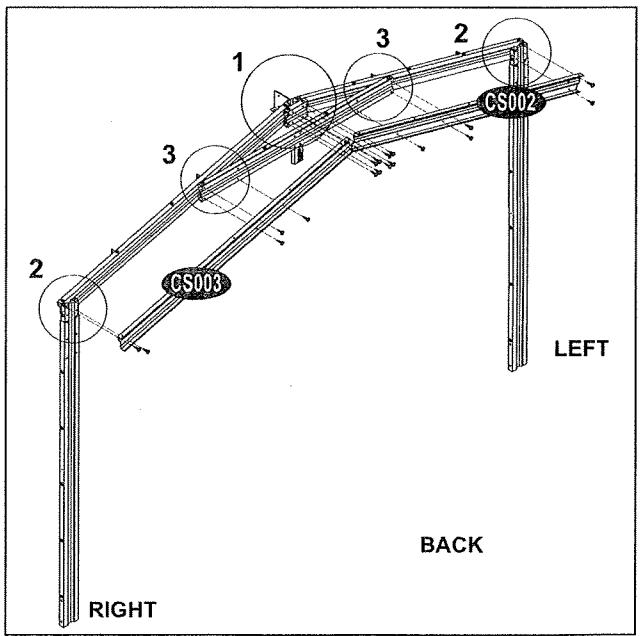


Fig. 2

Fig. 3



14. Fix top chord cover left and right (CS004) and secure with (S1) screws. See fig 1, 2 & 3.

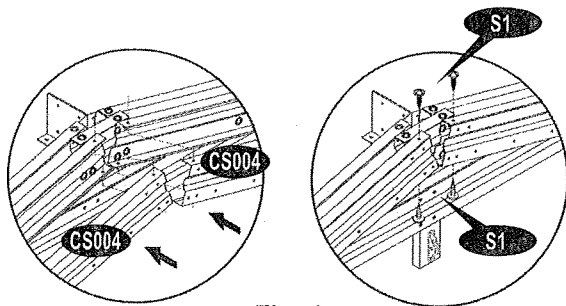


Fig. 1

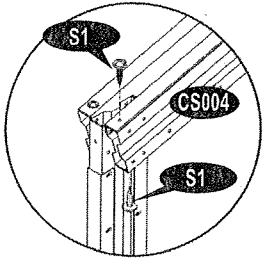


Fig. 2

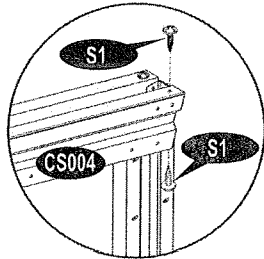
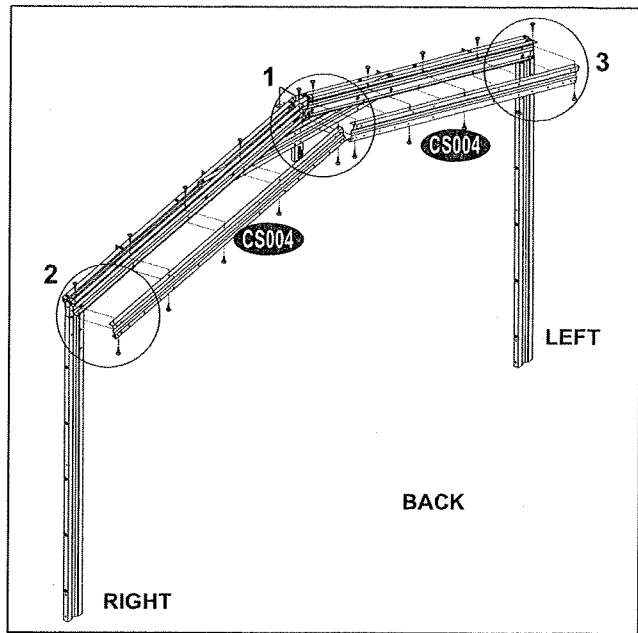


Fig. 3



15. Fix triangular plate inner center (BS007) and secure all with (S2) screws. See fig. 1.

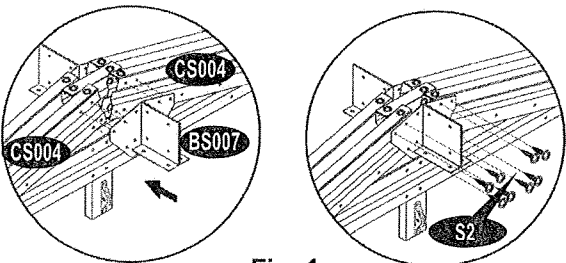
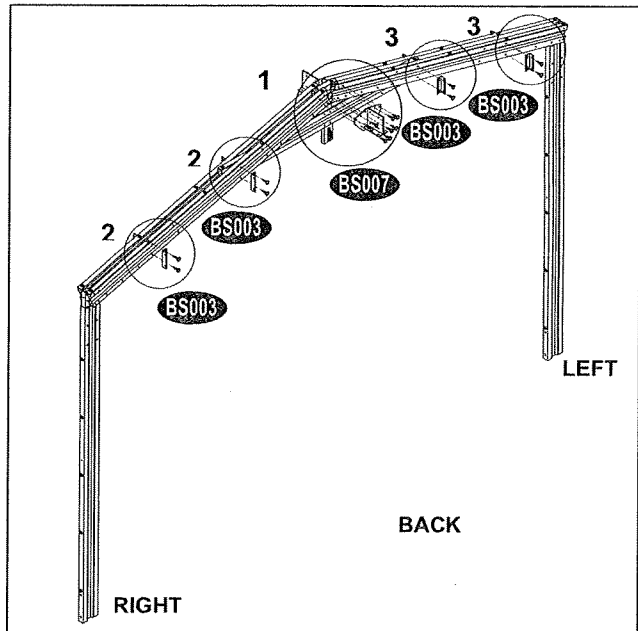


Fig. 1



16. Fix roof support bracket short left & right (BS003) and secure all with (S2) screws. See fig. 1 & 2.

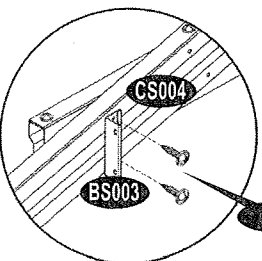


Fig. 2

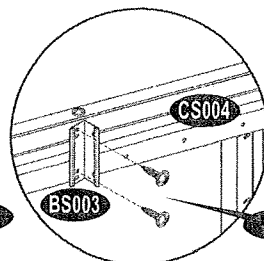


Fig. 3

17. Fix structure side bracket left (CS006) and structure side bracket right (CS007). Line up the holes and secure with (S2) screws. See fig. 1 & 2.

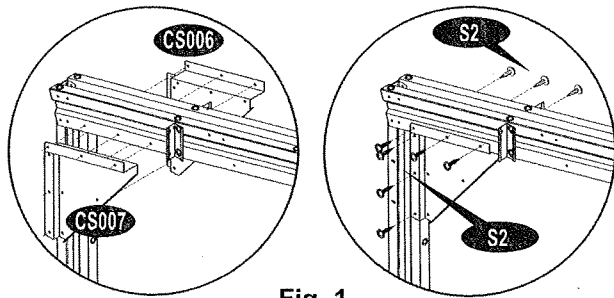


Fig. 1

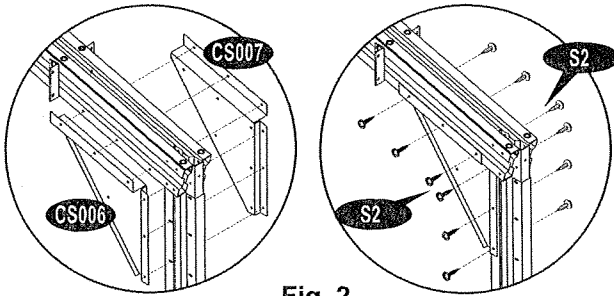
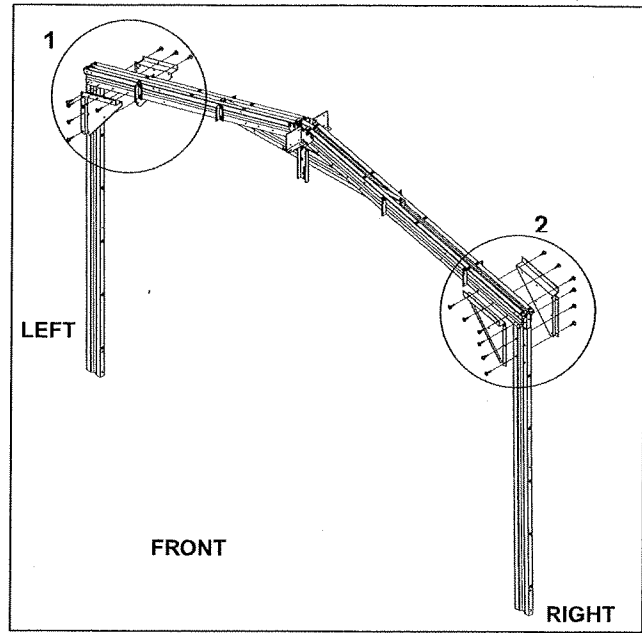


Fig. 2



18. Join the structure side bracket left and right (CS006 & CS007). Secure with (S3) machine screws with nuts. See figure 1 and 2.

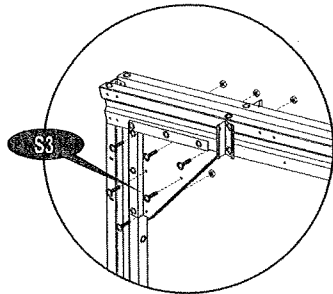


Fig. 1

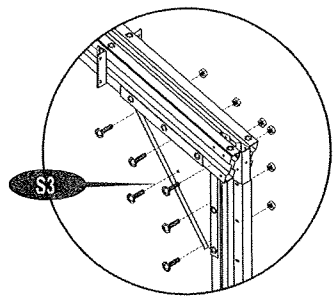
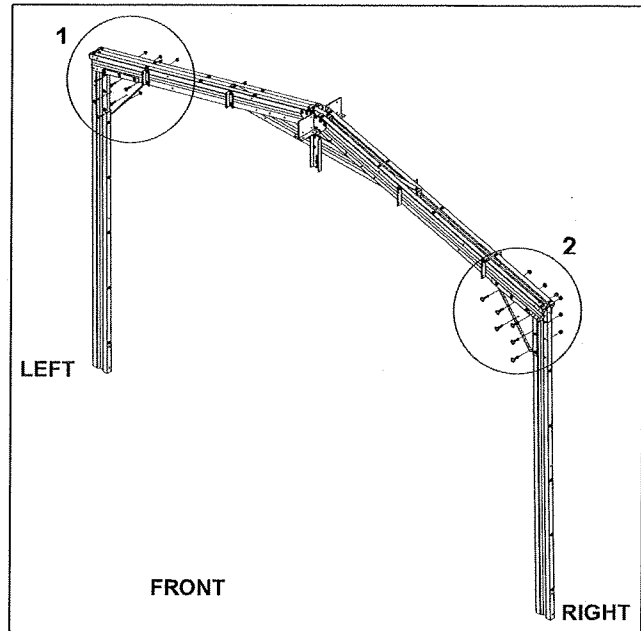
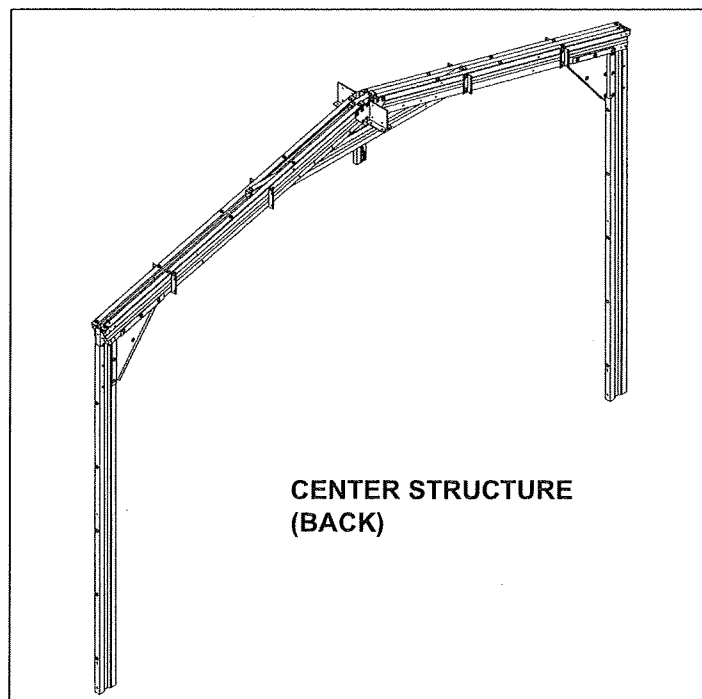
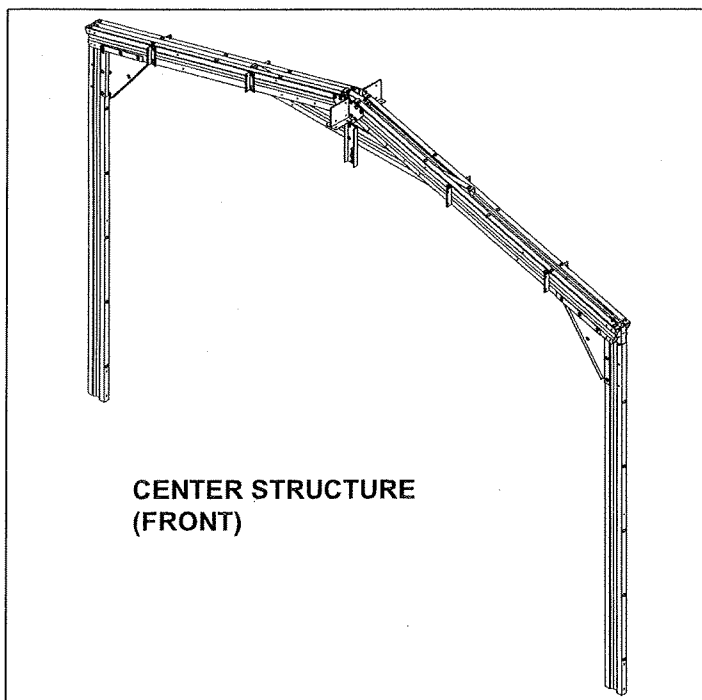


Fig. 2



**19.** Check assembled center structure and its members.



## E. Assembly & Erection of Structure

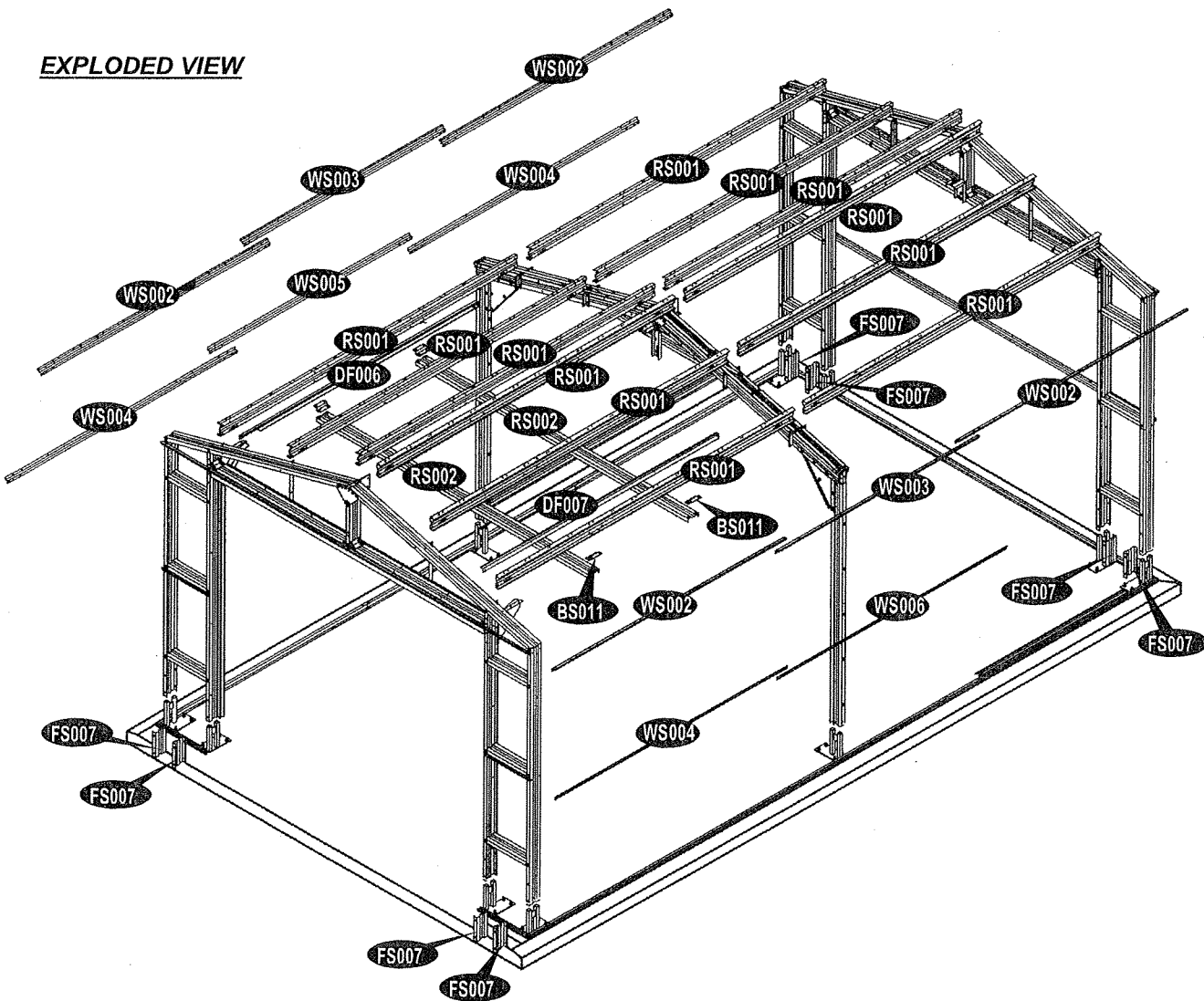


**Note** Structure elements are clearly marked and care should be taken to use the correct one.

### Parts needed:

(12)	Roof Support Left & Right	(RS001)	(8)	Column Support Bottom Left & Right	(FS007)
(2)	Horizontal Support Runner	(RS002)	(35)	Dia. 4.2mm.x10.0mm. (5/32"x3/8")	(S1)
(1)	Shutter Door Rail Inner Top Left	(DF006)		Sheet Metal Screw	
(1)	Shutter Door Rail Inner Top Right	(DF007)	(60)	Dia. 4.2mm.x10.0mm. (5/32"x5/8")	(S2)
(4)	Wall Top Support Side Left & Right	(WS002)		Sheet Metal Screw	
(2)	Wall Top Support Center Left & Right	(WS003)	(68)	Dia. 4.0mm.x10.0mm. (5/32"x3/8")	(S3)
(3)	Wall Middle Support Side Left & Right	(WS004)		Machine Screw with Nut	
(1)	Wall Middle Support Center Left	(WS005)			
(1)	Wall Middle Support Center Right	(WS006)			
(4)	Bracket Shutter Support Left & Right	(BS011)			

### EXPLODED VIEW



# ERECTION OF FRONT, CENTER & BACK STRUCTURE

1. Place assembled front structure to the column support footings (CP001 & CP002). Insert column support bottom (FS007) and secure with (S2) screws all together. Repeat step to place the back structure. See fig. 1

**Note** All column support footings must be inserted firmly inside the columns. Observe position of all the structure.

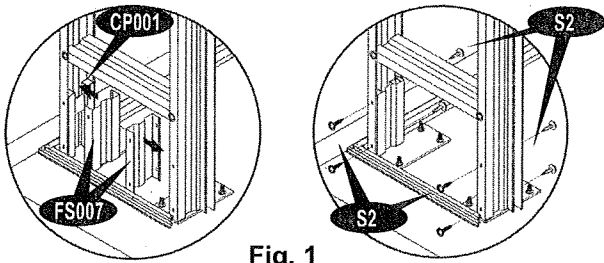


Fig. 1

2. Place assembled center structure to the column support footings (CP003) and secure with (S2) screws. See fig. 2.

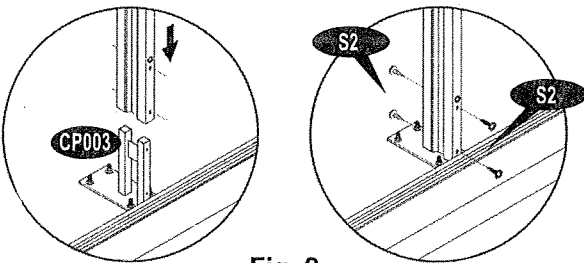


Fig. 2

3. Prepare and assemble wall top support side (WS002) and (WS003) with (S1) screws. See fig. 1 & 2. Make two sets.

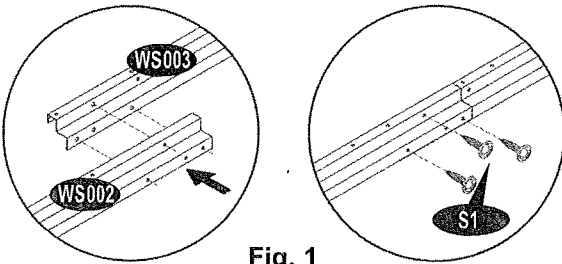


Fig. 1

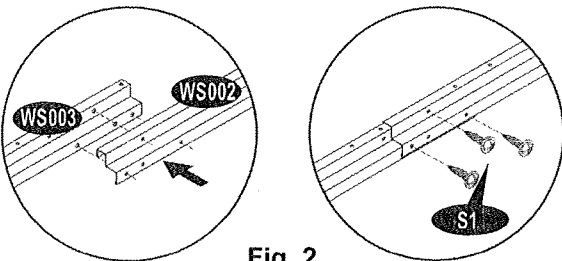
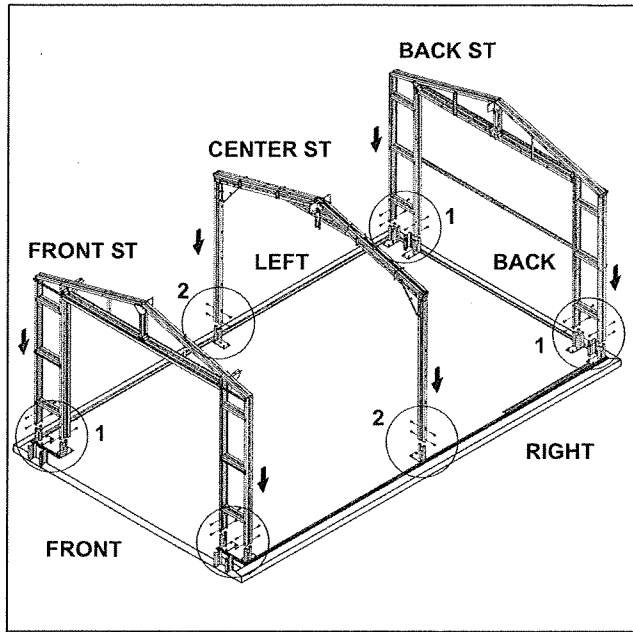
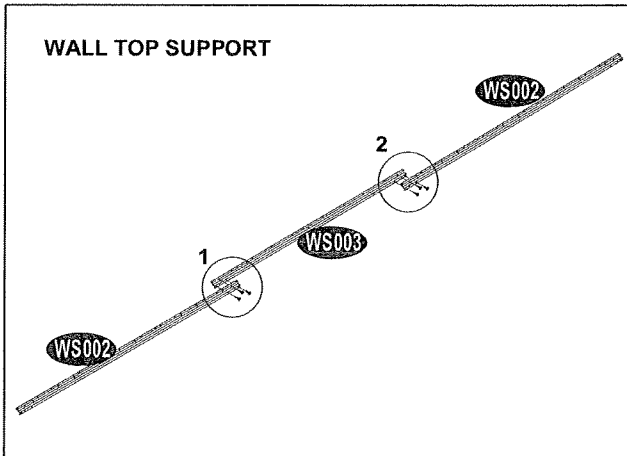


Fig. 2



**Note** After placing all assembled structure (Front, Center, Back) to each location, full tight all the bolts in the column support footings.



4. Prepare and assemble wall middle support (WS004) and (WS005) with (S1) screws. See fig. 1 & 2. One set.

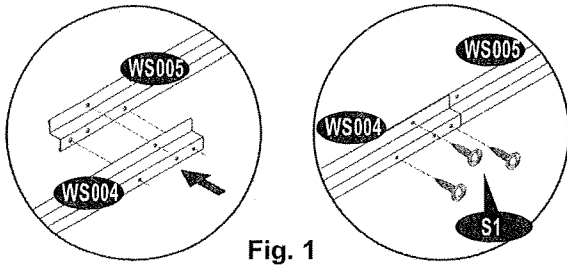


Fig. 1

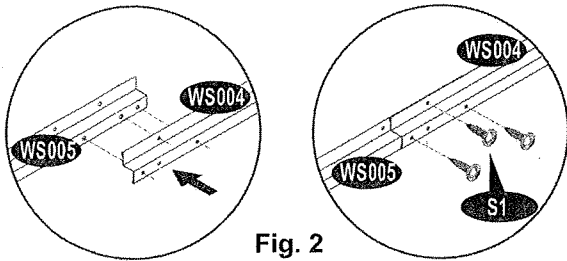


Fig. 2

6. Prepare and assemble roof support (RS001) with shutter door rail top left (DF006) and secure with (S3) screws.

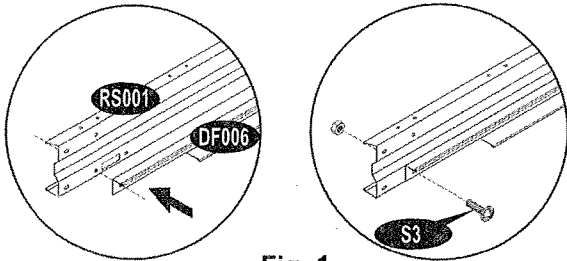


Fig. 1

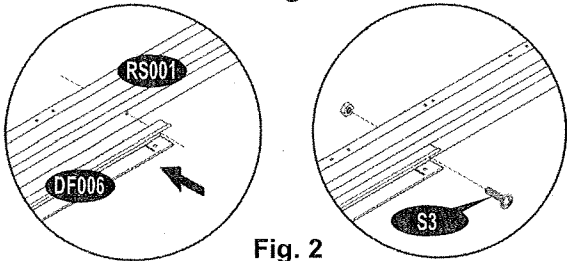


Fig. 2

7. Prepare and assemble roof support (RS001) with shutter door rail top right (DF007) and secure with (S3) screws.

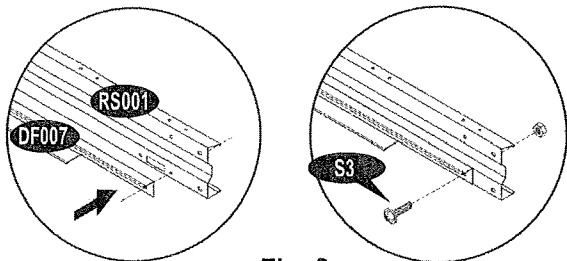
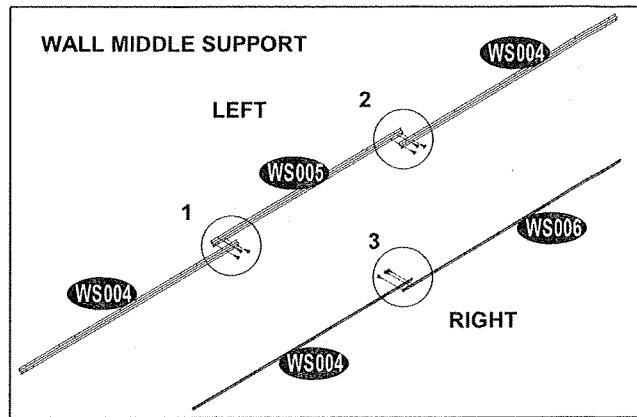


Fig. 3



5. Prepare and assemble wall middle support (WS004) and (WS006) with (S1) screws. See fig. 3. One set.

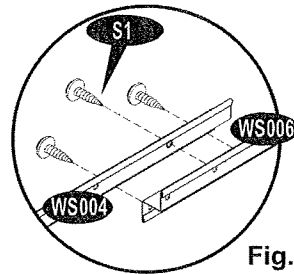


Fig. 3

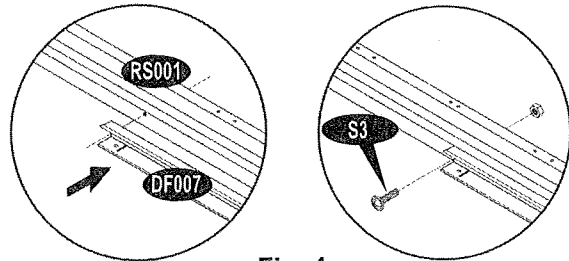
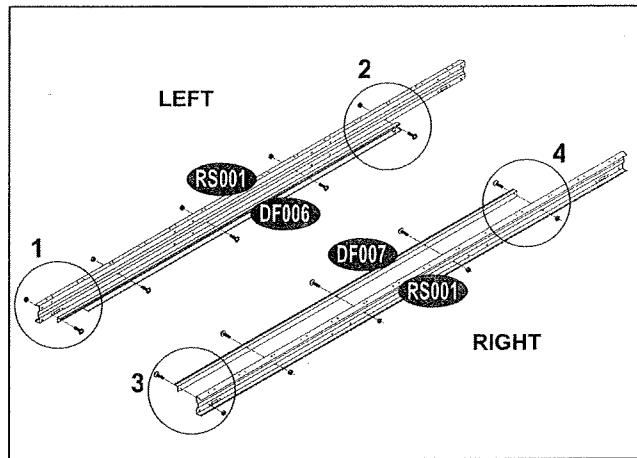


Fig. 4

8. Prepare and assemble two roof support (RS001) with (S3) screws. Make 2 sets. Use this assembled roof support at the top-middle of the structure.

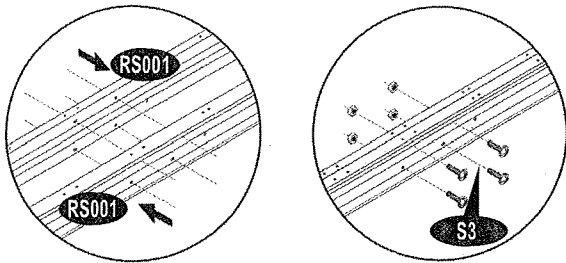
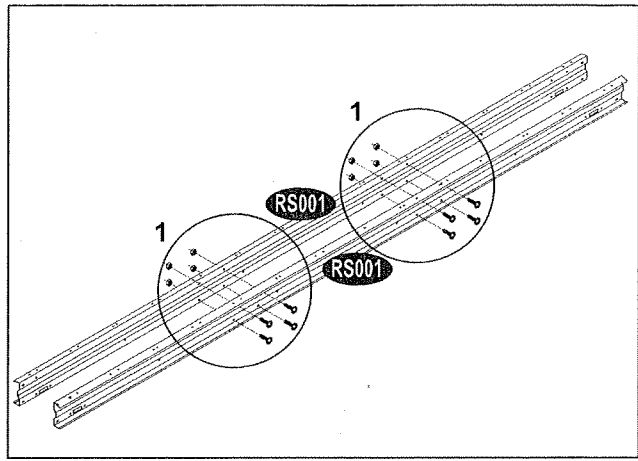
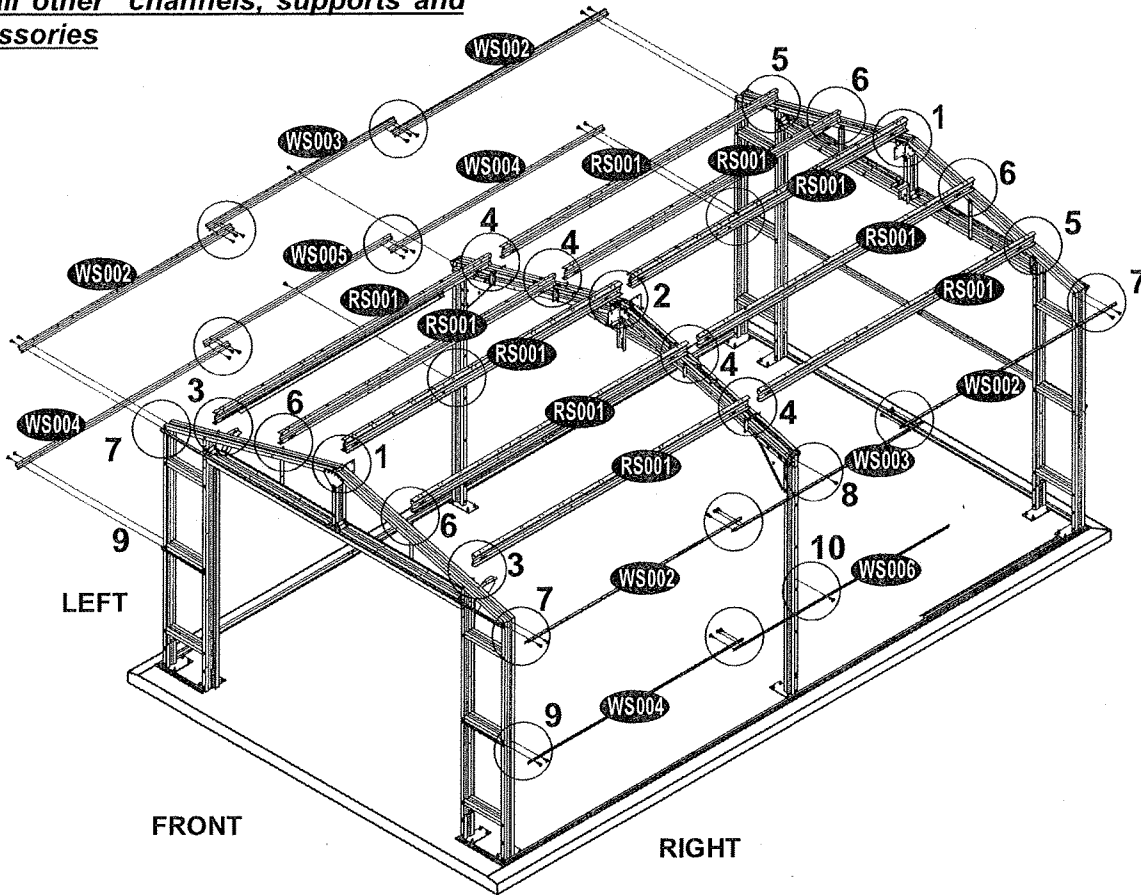


Fig. 1



Fix all other channels, supports and accessories



9. Fix assembled roof support (RS001) to (BS006) & (BS007) at the middle and secure all with (S3) machine screws. See fig. 1.

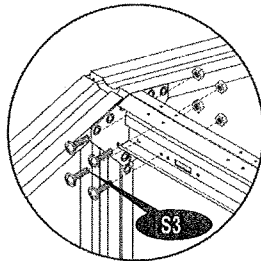
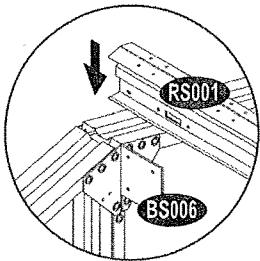


Fig. 1

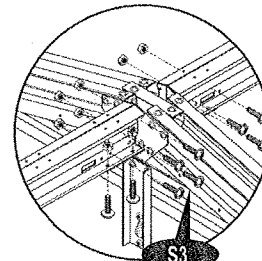
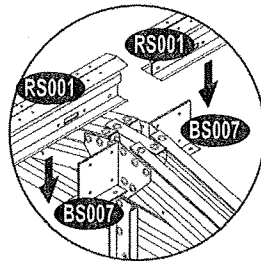


Fig. 2



10. Fix assembled roof support (RS001) with shutter door rail top right (DF007) to (BS002 & BS001) and to (BS003) on the other end. Secure all with (S3) machine screws. See fig. 3 & 4. Repeat step to fix assembled roof support to the left (RS001 & DF006).

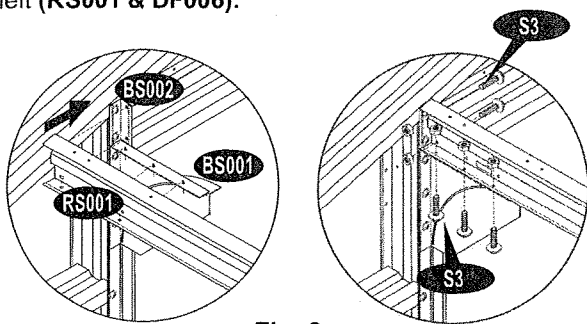


Fig. 3

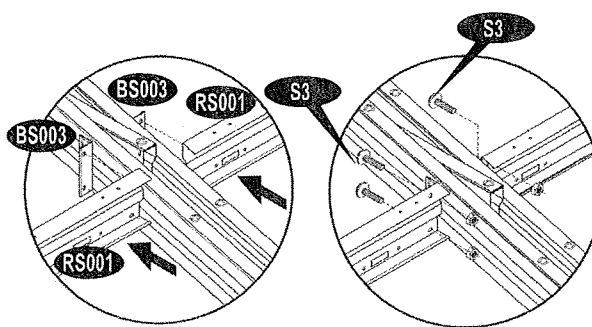


Fig. 4

11. Fix all required single roof support (RS001) to brackets (BS007, BS002, BS003, BS004). All must be secured with (S3) machine screws. See. Fig. 4, 5 & 6.

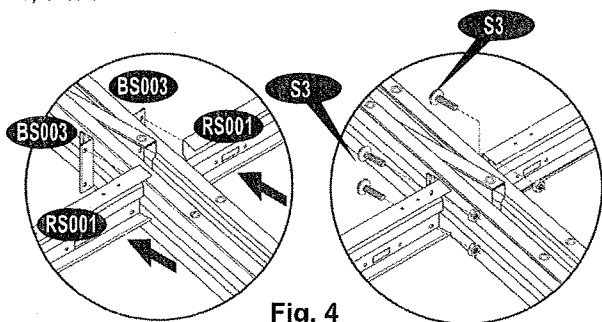


Fig. 4

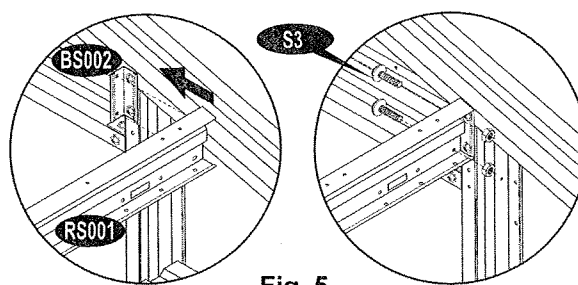


Fig. 5

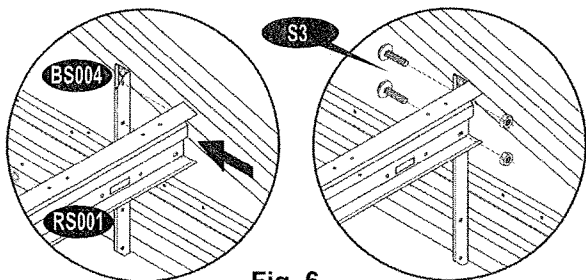


Fig. 6

12. Fix assembled wall top supports (WS002 & WS003) and secure with (S1) screws on both ends and (S2) screws at the middle. See fig. 7 & 8. Repeat step to fix support to the other side.

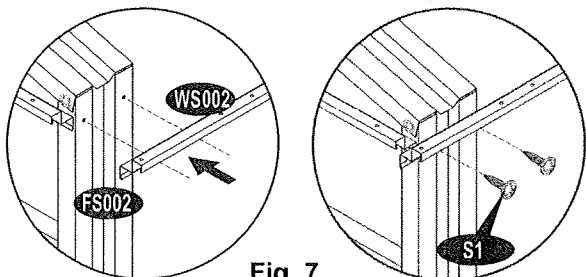


Fig. 7

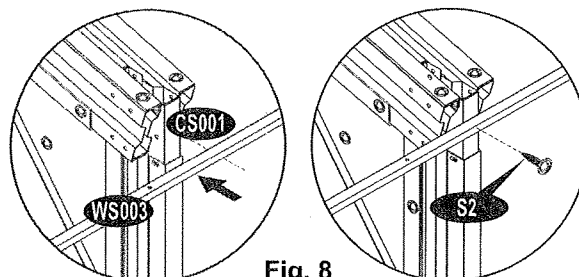


Fig. 8

**13.** Fix assembled wall middle support left (**WS004 & WS005**) and right (**WS004 & WS006**). Secure with (**S1**) screws on both ends and (**S2**) screws at the middle. See. Fig. 9 & 10.

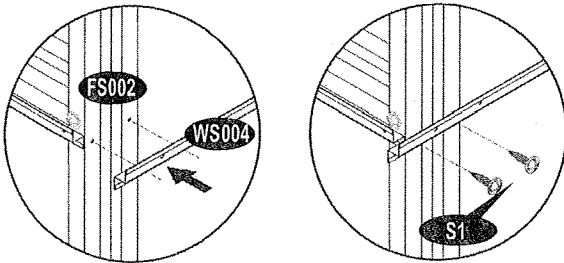


Fig. 9

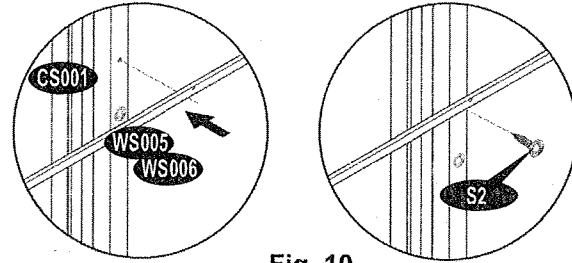


Fig. 10

**14.** Fix horizontal support runner (**RS002**) with brackets (**BS011**). Secure all with (**S3**) machine screws with nuts. See fig. 1 & 2.

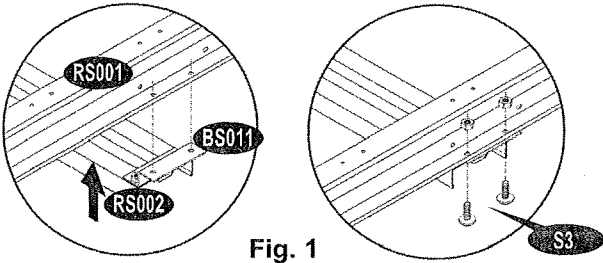


Fig. 1

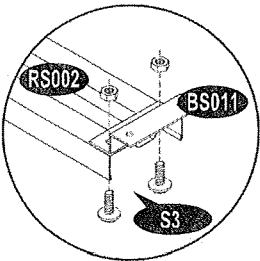
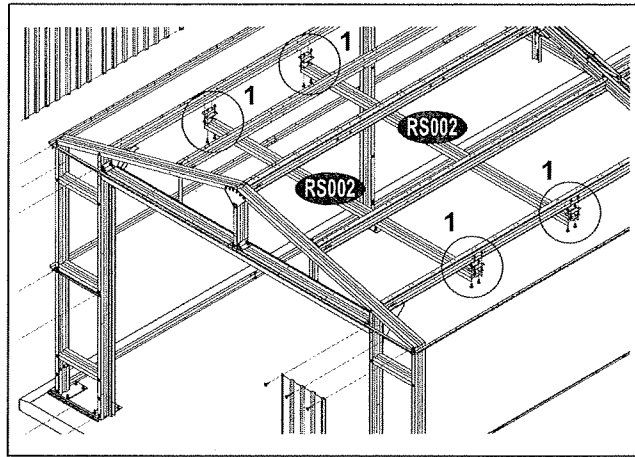
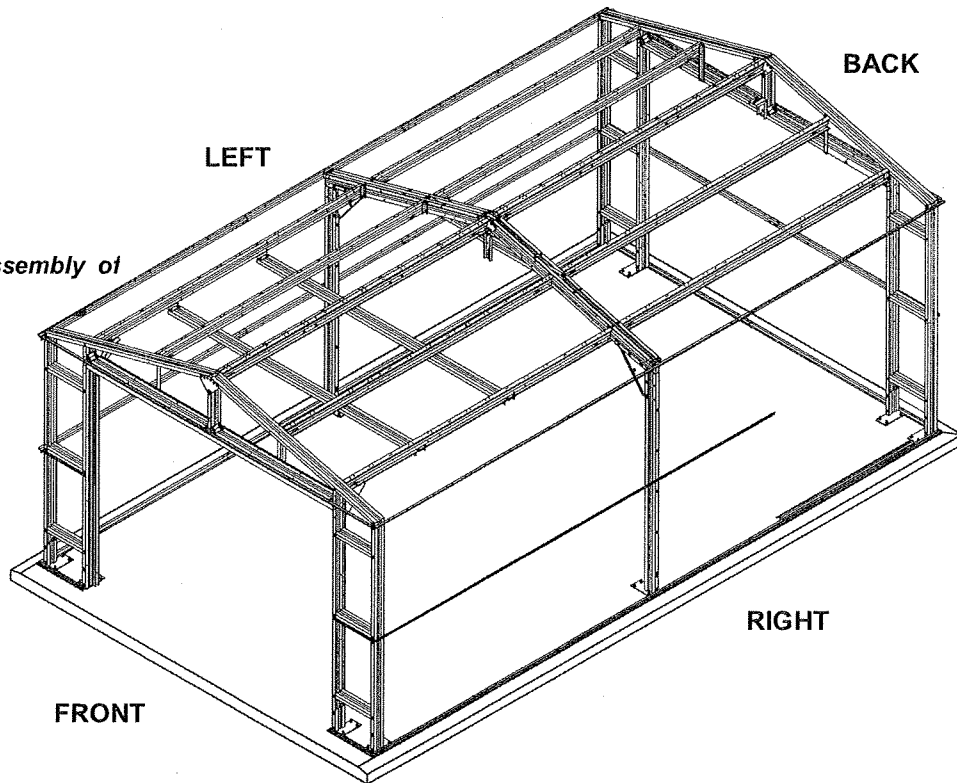


Fig. 2

**15.** Check complete assembly of structure and its members.



## F. Wall Panel Installations and Accessories

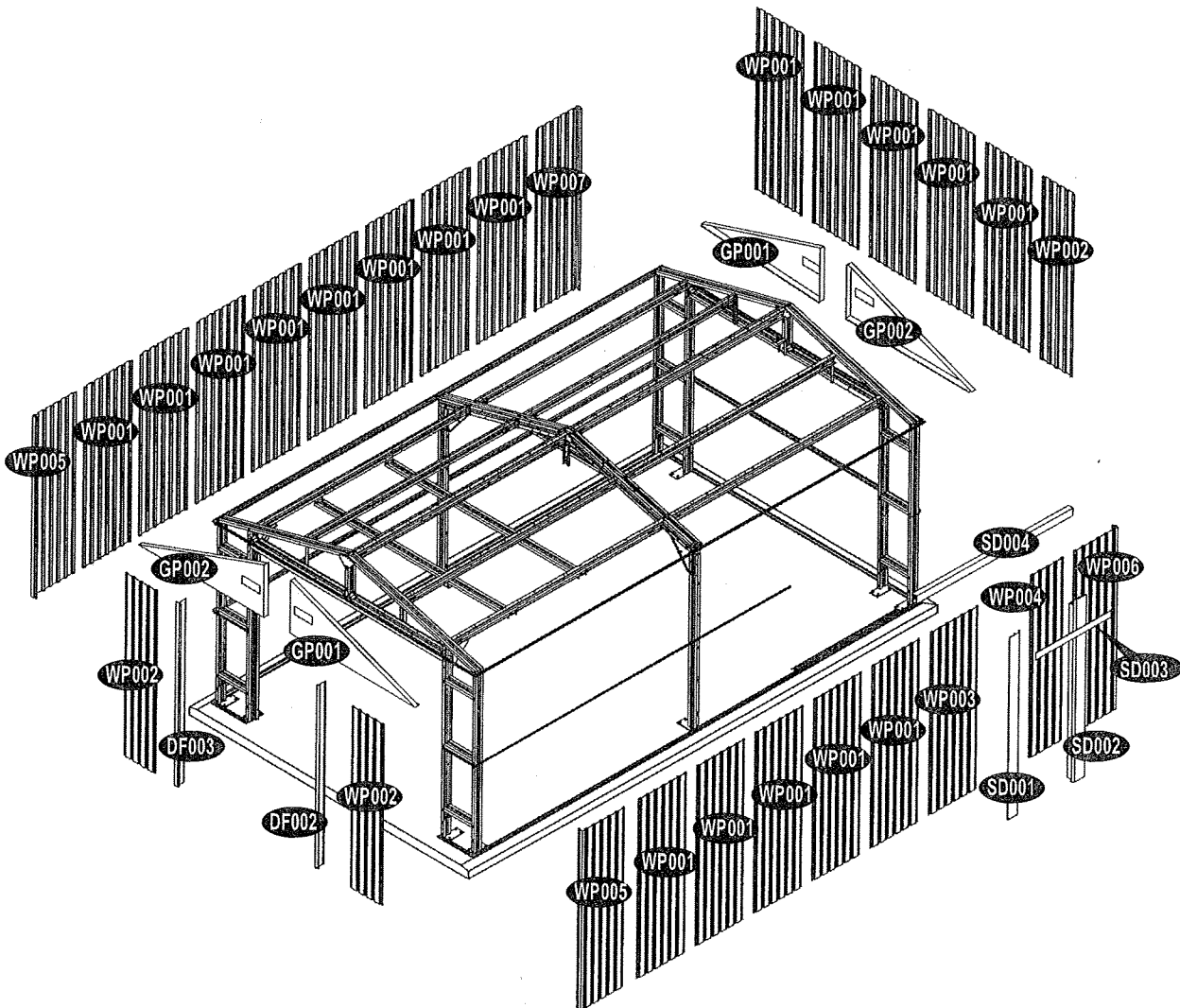


**Note** Wall Panels are clearly marked and care should be taken to use the correct one.

### Parts needed:

(18)	Wall Panel Side	(WP001)	(1)	Door Column Profile Right	(SD001)
(3)	Wall Panel Side Center	(WP002)	(1)	Door Column Profile Left	(SD002)
(1)	Wall Panel Door Side Big	(WP003)	(1)	Sliding Channel Cover	(SD003)
(1)	Wall Panel Side Door Side Small	(WP004)	(1)	Sliding Channel Rail	(SD004)
(2)	Wall Panel Corner Front	(WP005)			
(1)	Wall Panel Corner Door Side	(WP006)	(190)	Dia. 4.2mm.x10.0mm. (5/32"x3/8")	(S1)
(1)	Wall Panel Corner Back Left	(WP007)			
(2)	Gable Panel Front Right/ Back Left	(GP001)		Sheet Metal Screw	
(2)	Gable Panel Front Left/Back Right	(GP002)	(5)	Dia. 4.0mm.x10.0mm. (5/32"x3/8")	(S3)
(1)	Door Flashing Side Right	(DF002)		Machine Screw with Nut	
(1)	Door Flashing Side Left	(DF003)	(27)	Plastic Washer	(PW)

### EXPLODED VIEW



# INSTALL WALL PANELS IN FRONT AND RIGHT SIDE OF THE GARAGE

1. Start wall panel installations as **NUMBERED**. Wall panels must be placed on top of the other as shown in the figure. See fig. 1 & 2.

**Note** Always observe position of wall panels. Flat edge must be place on top of the grooved edge.

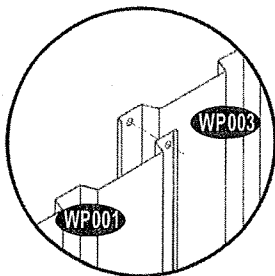


Fig. 1

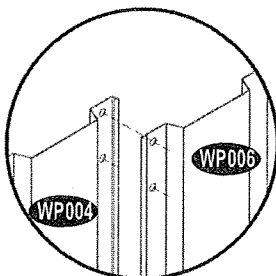


Fig. 2

2. Place wall panel (WP003) and insert inside the wall top support. Secure with (S1) screws on top and bottom. See fig. 1 & 2. Observe position of holes on both sides of the wall panels.

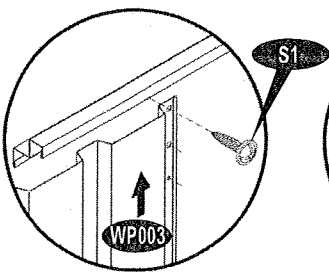


Fig. 1

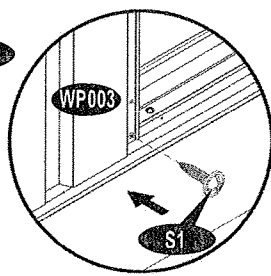


Fig. 2

3. Following the same steps, place wall panels (WP001, WP005, WP002) as numbered. Observe panels overlapping. Secure all with (S1) screws on top and bottom. See fig. 3 & 4.

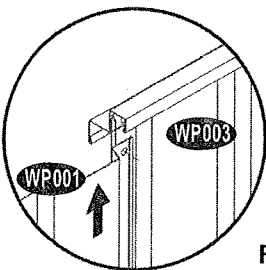


Fig. 3

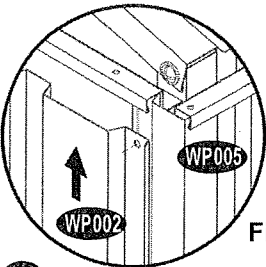
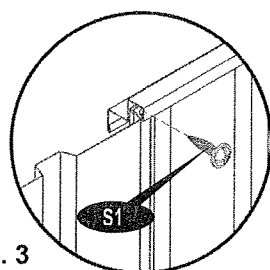
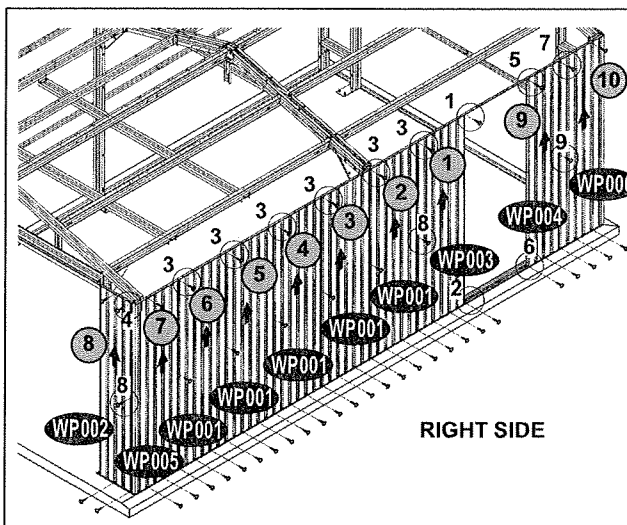
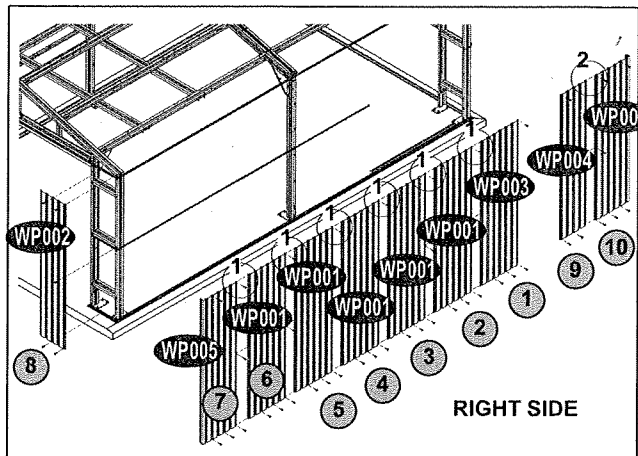
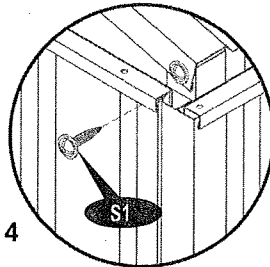
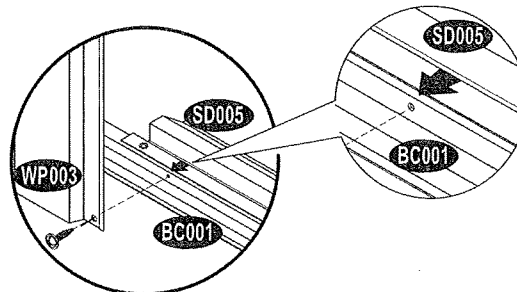


Fig. 4



**Note** **IMPORTANT:** When installing first wall panel (WS003), fix the screw to the hole of (BC001) pointed with arrow mark paste in the entrance taper channel (SD005). See figure below.



4. Place wall panels (WP004 & WP006) and secure with (S1) screws on top & bottom. See fig. 5, 6, & 7.



**IMPORTANT:**  
When installing wall panel (WS004), fix the screw to the hole of (BC001) pointed with arrow mark paste in the entrance taper channel (SD005). See figure below.

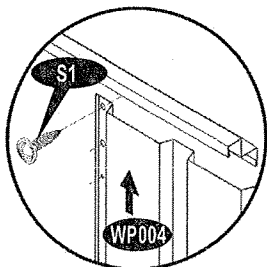


Fig. 5

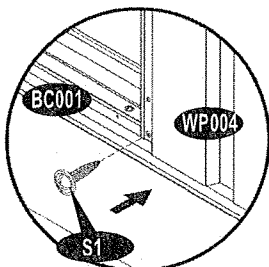
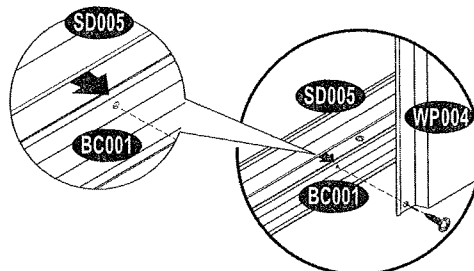


Fig. 6



5. Secure wall panels at the middle with (S1, S3) screws and plastic washer (PW). See fig. 8 & 9.

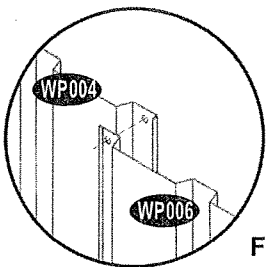


Fig. 7

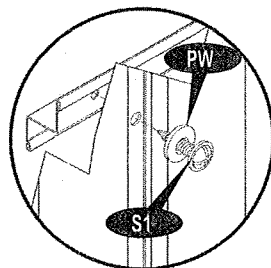
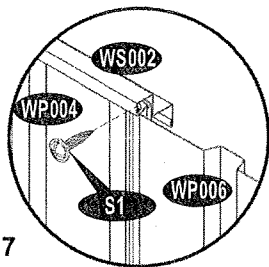


Fig. 8

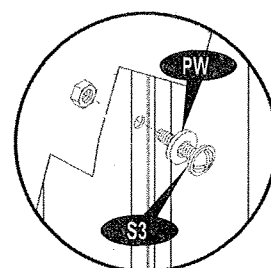


Fig. 9

### INSTALL WALL PANELS AT THE BACK OF THE GARAGE

6. Place wall panels at the back of the garage as **Numbered**. Following the same steps, always observe panel overlapping. See fig. 1 & 2.

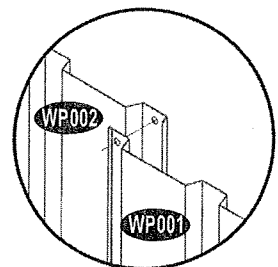
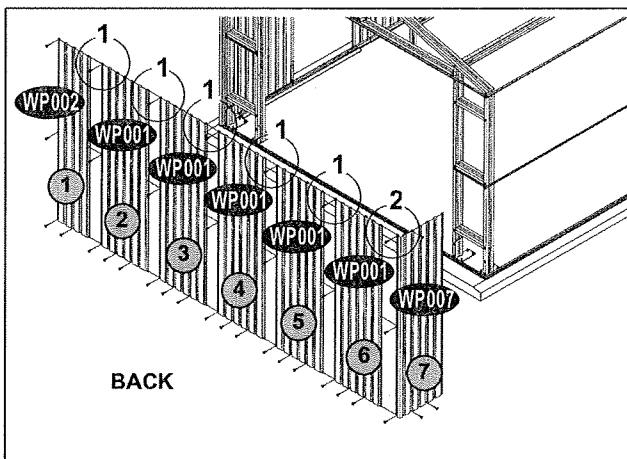


Fig. 1

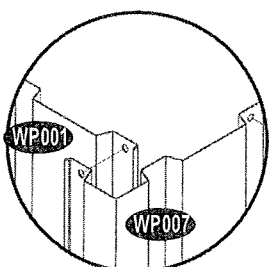


Fig. 2

7. Secure all with (S1) screws on top and bottom. See fig. 1, 2, 3 & 5.

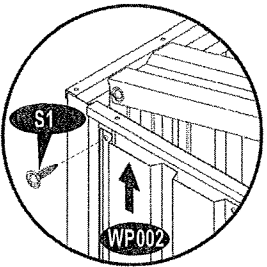
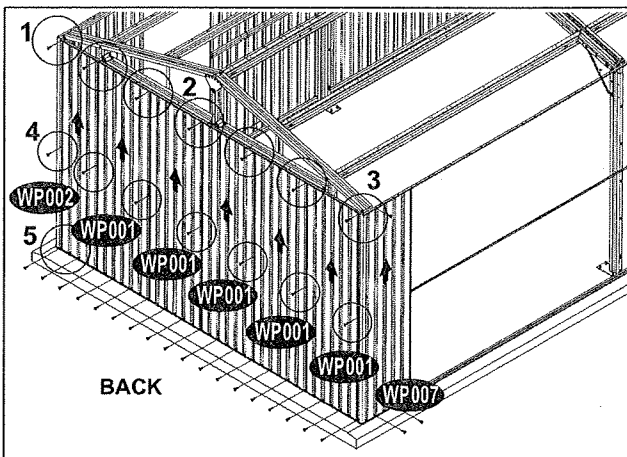


Fig. 1

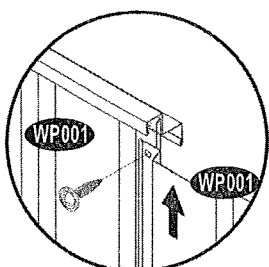


Fig. 2

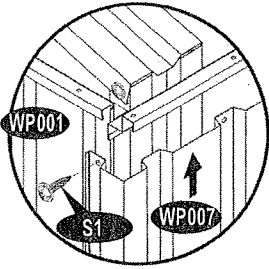


Fig. 3

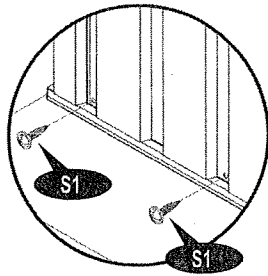


Fig. 5

8. Secure wall panels at the middle with (S1) screws and plastic washer (PW). See fig. 4.

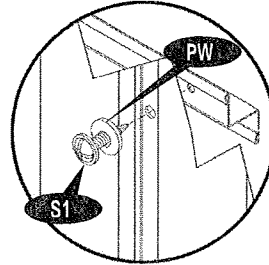


Fig. 4

**INSTALL WALL PANELS IN FRONT AND LEFT SIDE OF THE GARAGE**

9. Place wall panels on left side of the garage as **Numbered**. Following the same steps, always observe panel overlapping. See fig. 1 & 2

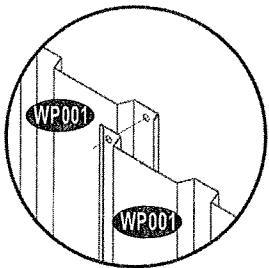


Fig. 1

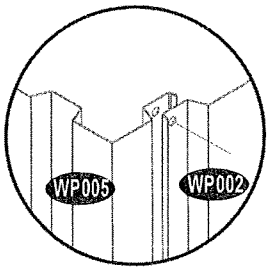
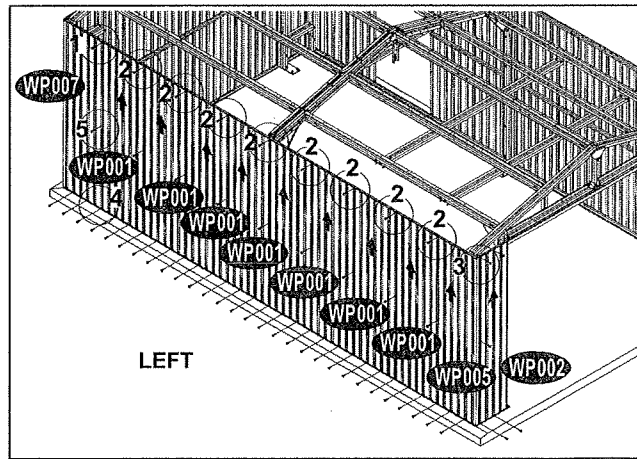
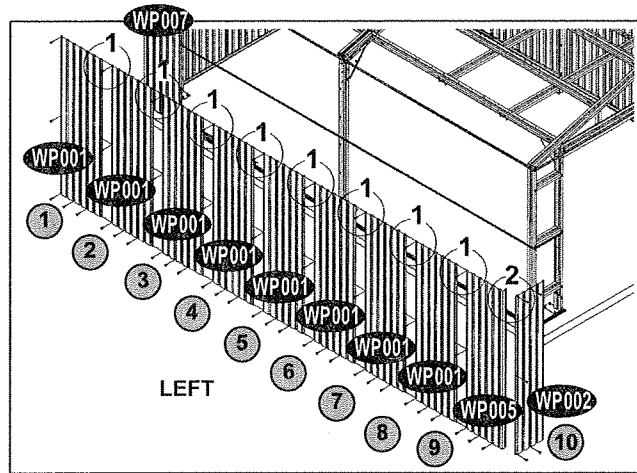


Fig. 2



**Note** When installing first wall panel (WP001) on left side overlap to corner wall panel (WP007), figure shown below must be followed. (Both flat side overlapped)

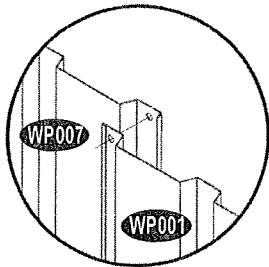


Fig. 1

**10.** Place wall panels one by one and secure with (S1) screws on top and bottom. See fig. 2, 3 & 4.

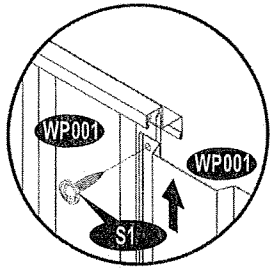


Fig. 2

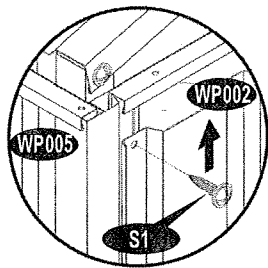


Fig. 3

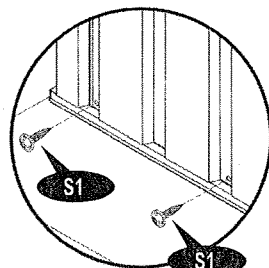


Fig. 4

**11.** Secure wall panels at the middle with (S1) screws and plastic washer (PW). See fig. 5.

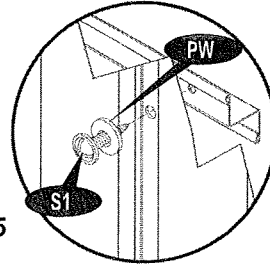


Fig. 5

**12.** Place right door flashing side (DF002) and secure with (S1) screws. Be sure that flashing will be screwed with wall panels on top and bottom. Repeat steps to place left door flashing side (DF003). See fig. 1, 2 & 3.

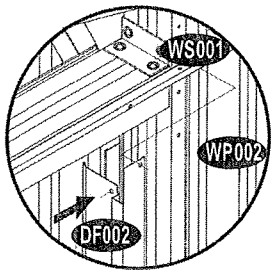
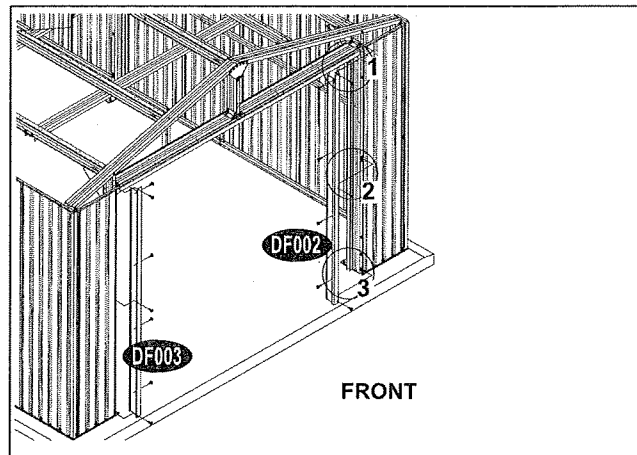
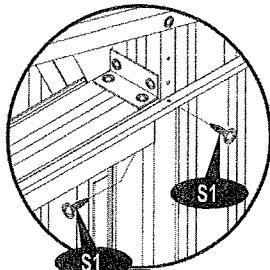


Fig. 1



FRONT

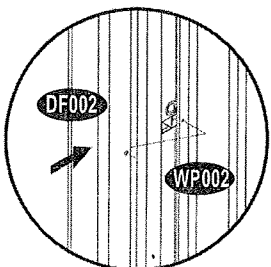


Fig. 2

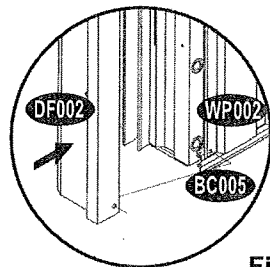
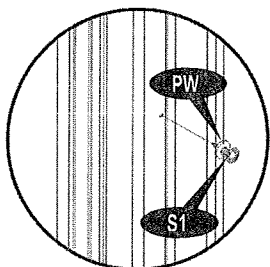
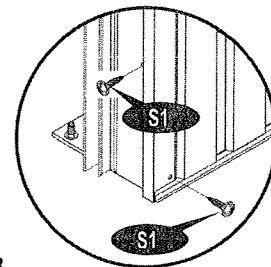


Fig. 3



**13.** Place the sliding channel rail (SD004) on top of the wall panel (WP003, WP004 & WP006) from inside. Line up the holes with wall panels and secure with (S1) screws. See fig 1.

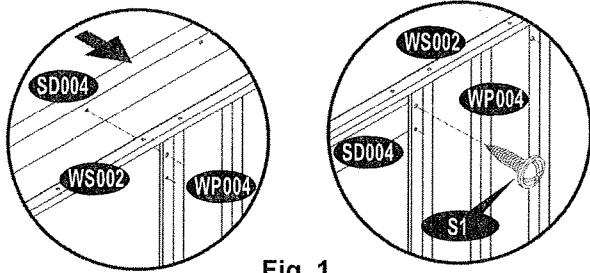
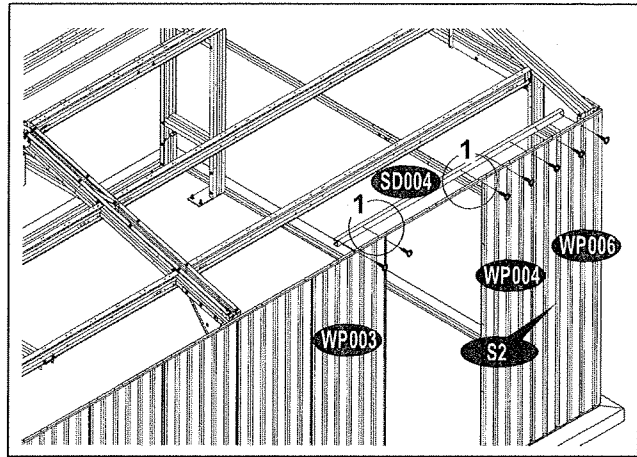


Fig. 1



**14.** Place right door column (SD001) on top of the entrance taper channel (SD005) and insert wall panel (WP003) in between the column groove. Secure all with (S1) screws. See fig. 1, 2 & 3. Repeat step to fix the left door column (SD002)

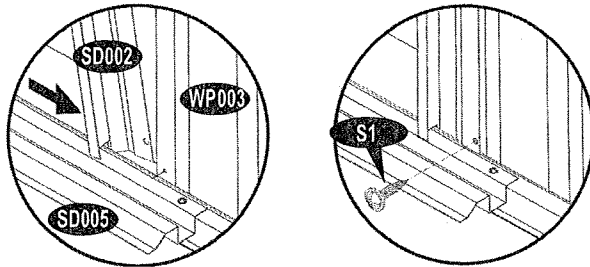


Fig. 1

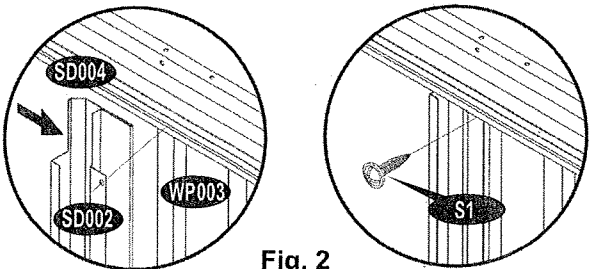
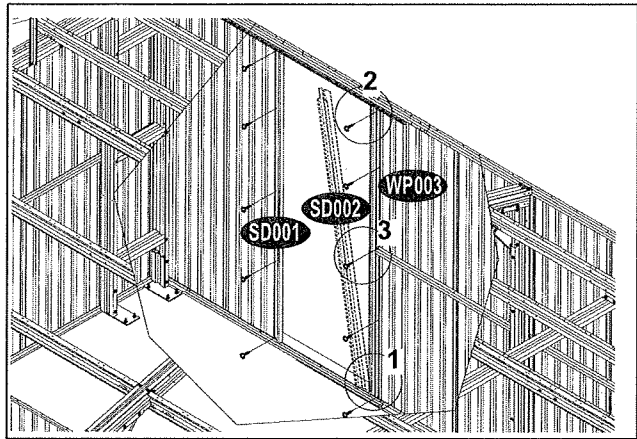


Fig. 2

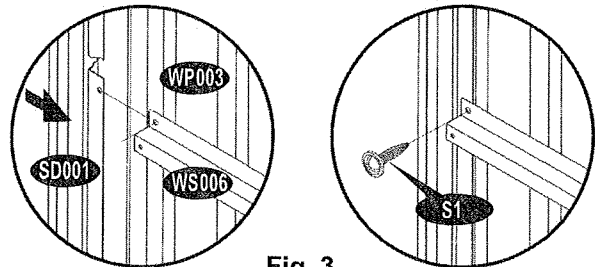


Fig. 3

**15.** Place sliding channel cover (SD003) and insert to wall top support (WS002). Channel cover must be screwed to sliding channel rail (SD004) with (S1) screws. See figure.

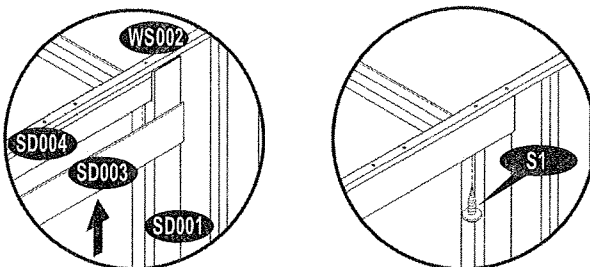
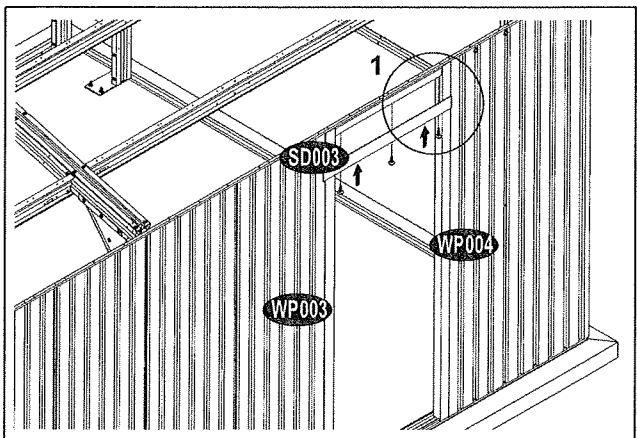


Fig. 1





**15.** Assemble gable panels left and right (GP001 & GP002) together. Align the holes and join with (S3) machine screws with nut. See fig. 1. Make two sets.

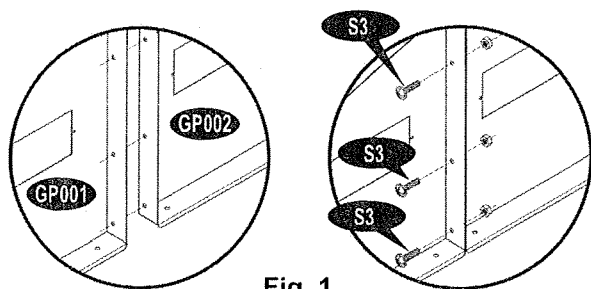
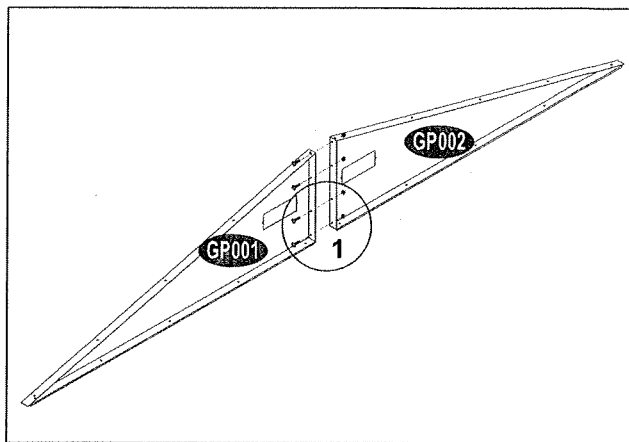


Fig. 1



**16.** Place the assembled gable panel (GP001 & GP002) to the front and back of the garage. Locate and align all screwing holes to the wall top support front and back. Secure all with (S1) screws. See figures.

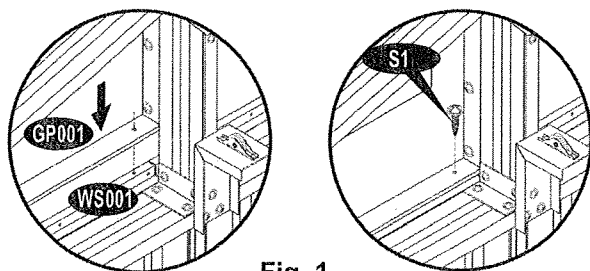


Fig. 1

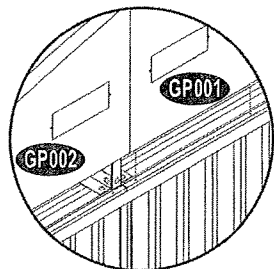
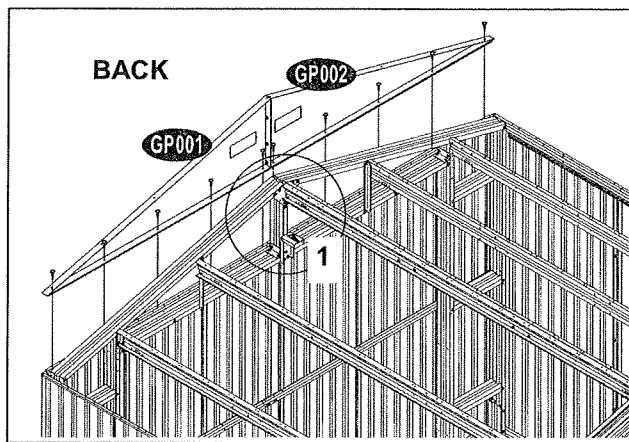
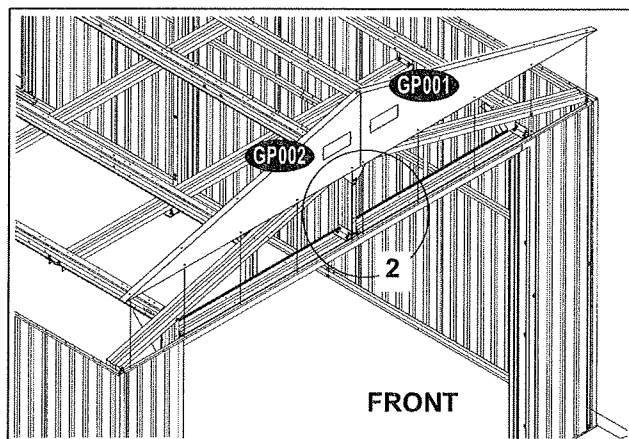
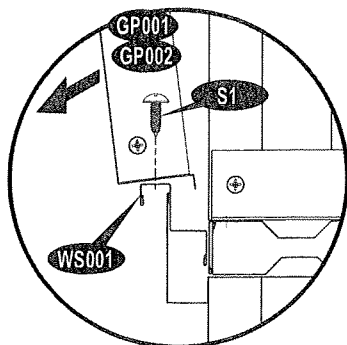


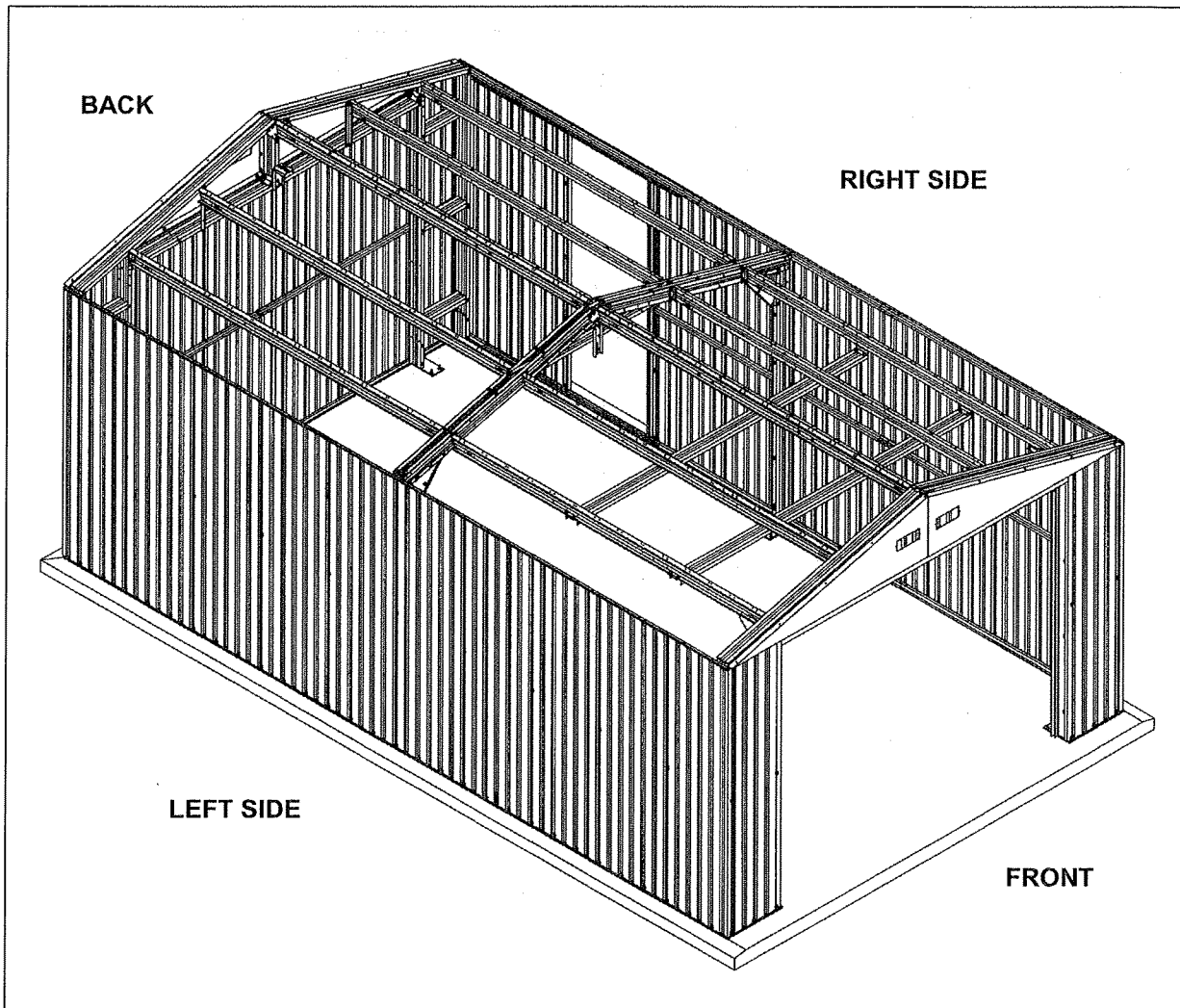
Fig. 2



**17.** To have a space when fixing gable panels to the wall top support, pull the gable panels little outward to access screws. See blown up.



**18.** Check assembled wall panels and other accessories.



## G. Roof Panel Installations and Accessories

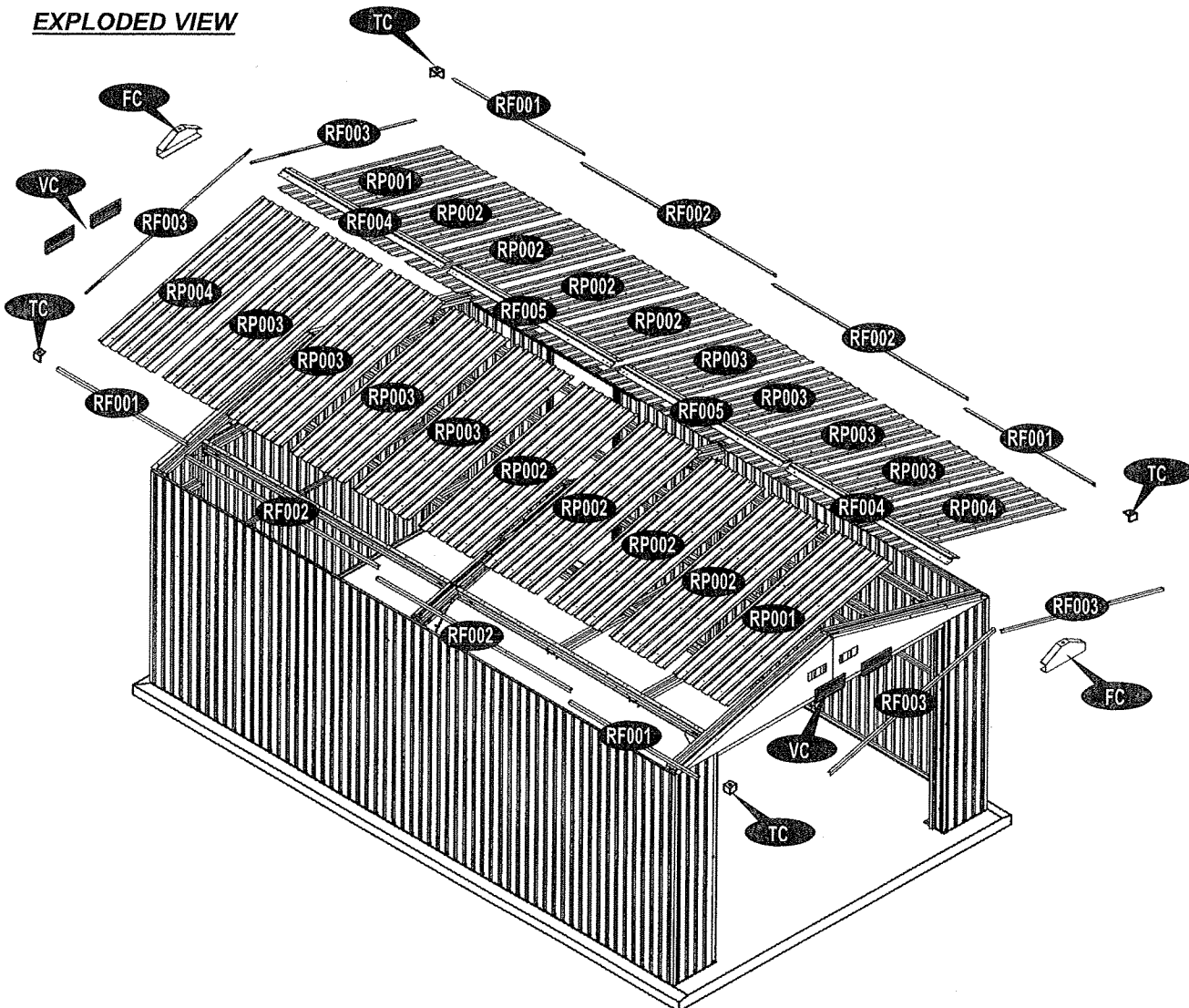


**Note** Roof Panels are clearly marked and care should be taken to use the correct one.

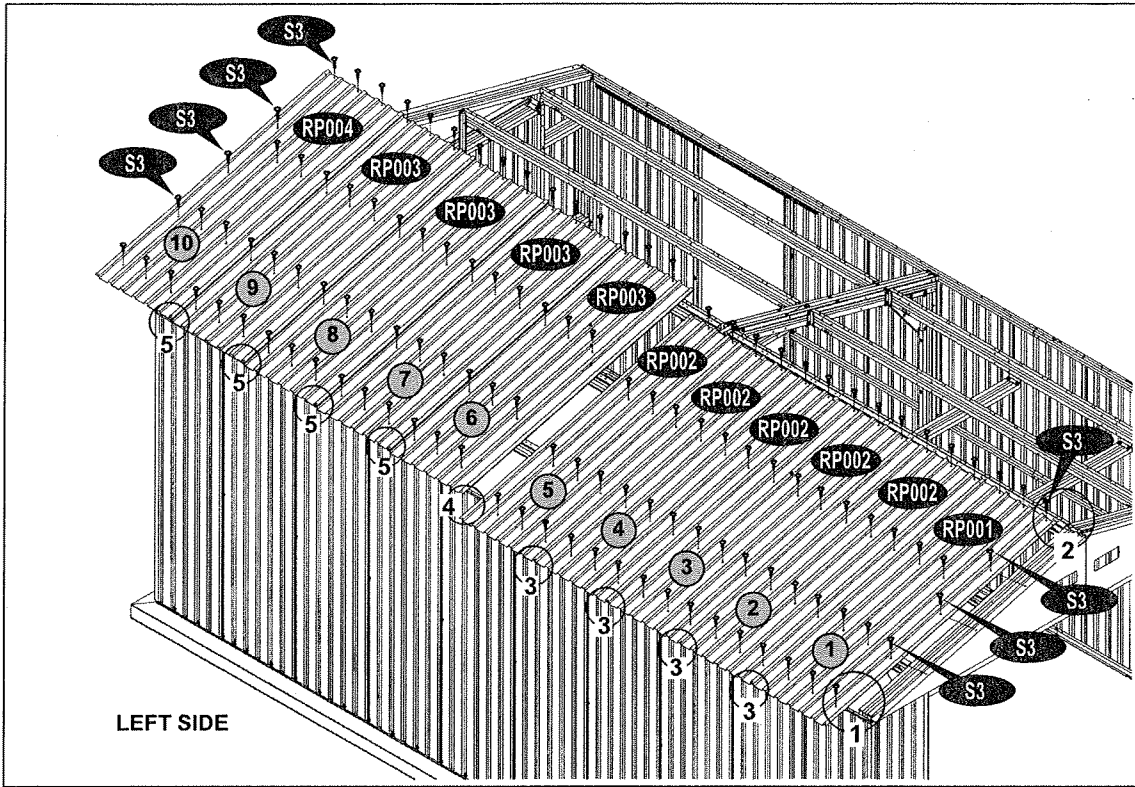
### Parts needed:

(4)	Roof Flashing Side Front & Back/Left & Right	(RF001)	(1)	Plastic Stopper	(PS)
(4)	Roof Flashing Side Center/Left & Right	(RF002)	(2)	Flashing End Cap	(FC)
(4)	Roof Flashing Front/Back Left & Right	(RF003)	(4)	Ventilation Cover	(VC)
(2)	Roof Flashing Center Front & Back	(RF004)	(4)	Top Corner	(TS)
(2)	Roof Flashing Center Front & Back	(RF005)	(268)	Dia. 4.2mm.x10.0mm. (5/32"x3/8")	(S1)
(2)	Roof Panel Front Left / Back Right	(RP001)		Sheet Metal Screw	
(8)	Roof Panel Center Front Left / Back Right	(RP002)	(38)	Dia. 4.2mm.x16.0mm. (5/32"x5/8")	(S2)
(8)	Roof Panel Center Front Right / Back Left	(RP003)		Sheet Metal Screw	
(2)	Roof Panel Front Right / Back Left	(RP004)	(16)	Dia. 4.0mm.x10.0mm. (5/32"x3/8")	(S3)
				Machine Screw with Nut	
			(306)	Plastic Washer	(PW)

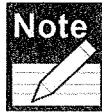
### EXPLODED VIEW



**INSTALL ROOF PANELS ON LEFT & RIGHT SIDE OF THE GARAGE**



**1.** Place roof panels on left side of the garage as **Numbered**. Start to fix roof panel (RP001), line up the holes with the gable panel (GP002) and secure with (S3) bolt and nut with plastic washer (PW) Fig. 2. Line up the holes with roof support and wall top support, and secure with (S1) screws with washer (PW) Fig. 1.



**Note** Make sure overlapping of roof panels must follow the figure shown. (See figure below). Use other type of screws where mentioned.

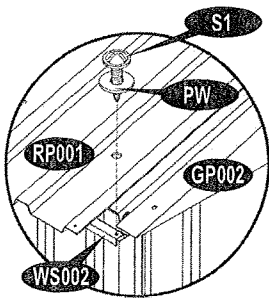


Fig. 1

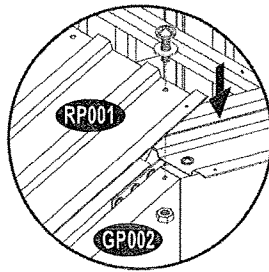


Fig. 2

**2.** Place the next roof panels (RP002 & RP003) as **Numbered**. Overlapping of each panels must followed exactly the figure shown. (See fig. 3, 4 & 5). Line up the holes with roof support and wall top support and secure all with (S1) screws and plastic washer (PW).

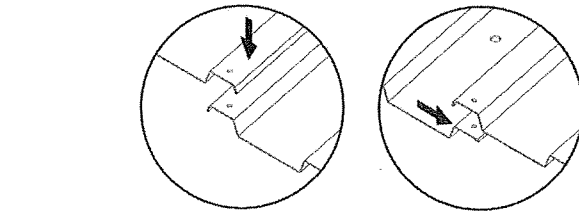


Fig. 3

Fig. 4

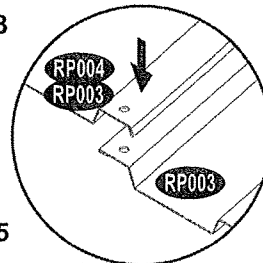
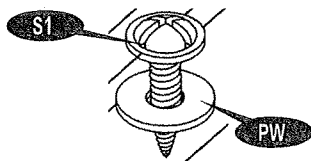


Fig. 5

3. Place the roof panel (RP001) on top of the gable panel and roof structure. Use (S3) bolt and nut with washers for gable and use (S1) screws with washers to secure all with roof structure and wall top support.

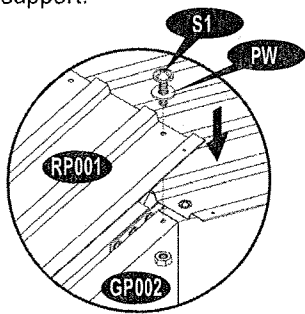


Fig. 1

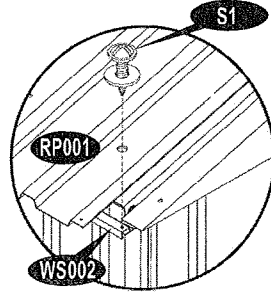
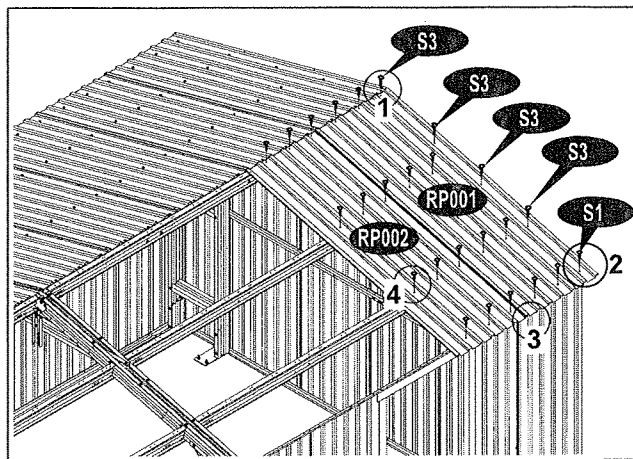


Fig. 2



4. Place the roof panel (RP002) on the roof structure and secure all with (S1) screws with washers. See fig. 4.

**Note** Make sure overlapping of roof panels must follow the figure shown. (See fig. 3). Use other type of screws where mentioned.

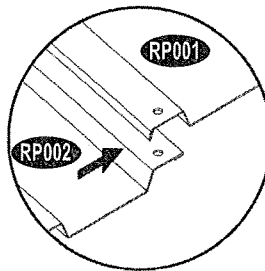


Fig. 3

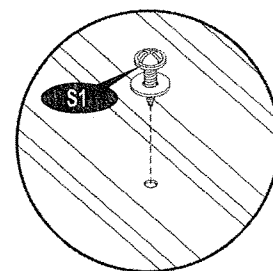
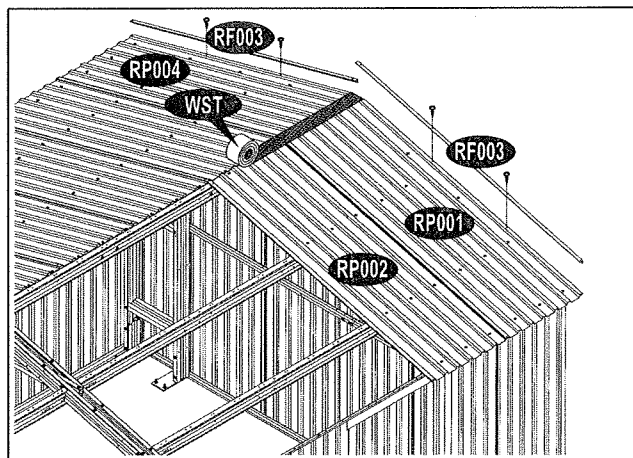


Fig. 4

5. After placing the two roof panels, put weather stripping tape (WST) up to the edge of (RP002) then cut. Place the roof flashing (RF003) at the back/ left and right. Line up the holes with roof panels (RP004 & RP001) and secure with (S1) screws with washers.

**Note** Put weather stripping tape after fixing every single roof panel.



6. Place roof panel (RP002) on the roof structure and secure with (S1) screws with washer.

**Note** Make sure overlapping of roof panels must follow the figure shown.

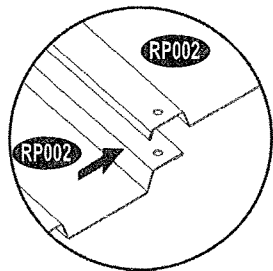


Fig. 1

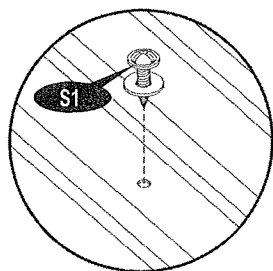
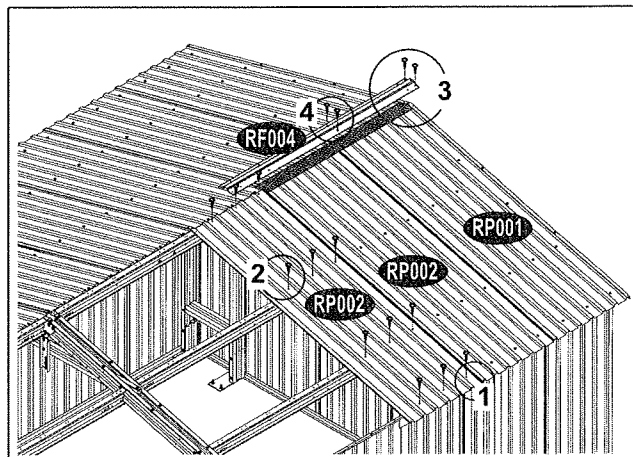


Fig. 2



7. Place center roof flashing (RF004) and secure with (S2) screws with washers. Observe position of roof flashing and put screws where mentioned.

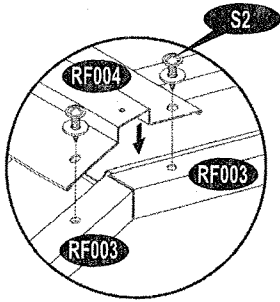


Fig. 3

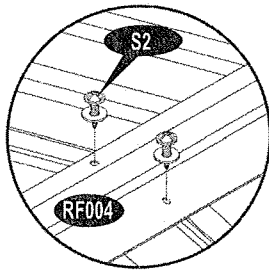
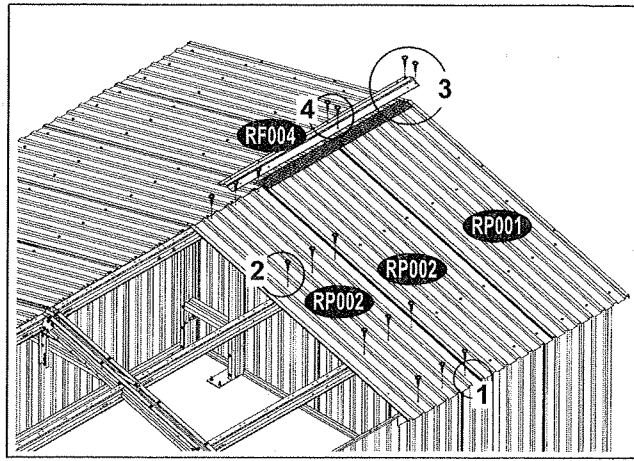


Fig. 4



8. Put weather stripping tape (WST) on the roof panel. Join middle roof flashing (RF005) with (RF004). Use (S1) screws with washers. See fig. 1.

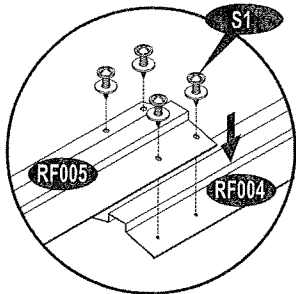
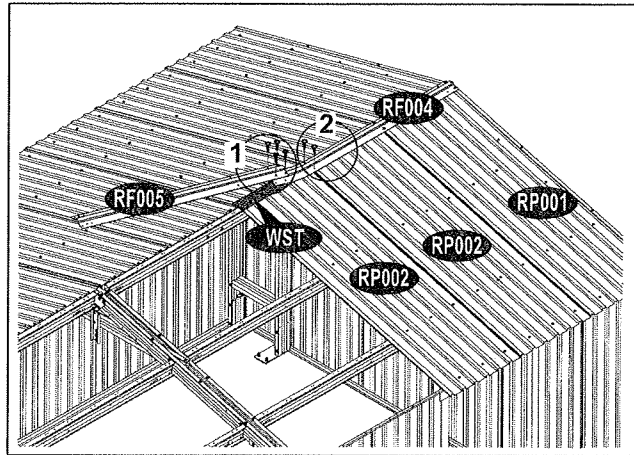


Fig. 1



9. Line up the holes of roof flashing (RF004) to the roof panels and secure with (S2) screws with washer. See fig. 2.

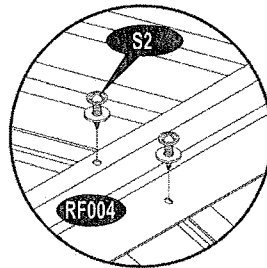


Fig. 2

10. Place roof panel (RP002) to the roof structure and secure all with (S1) screws with washer. Lift roof flashing (RF005) little upward when screwing the roof panel to the middle roof structure.

**Note** Make sure overlapping of roof panels must follow the figure shown.

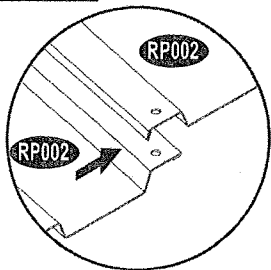


Fig. 1

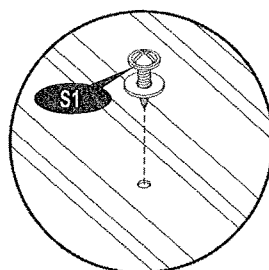
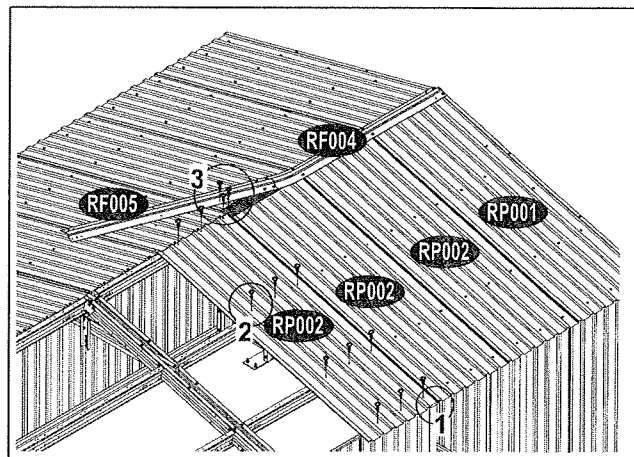


Fig. 2





11. Put weather stripping tape then line up the holes of roof flashing (RF005) to the roof panel and secure with (S2) screws with washers. See fig. 3.

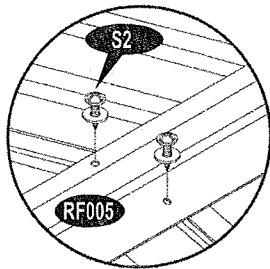
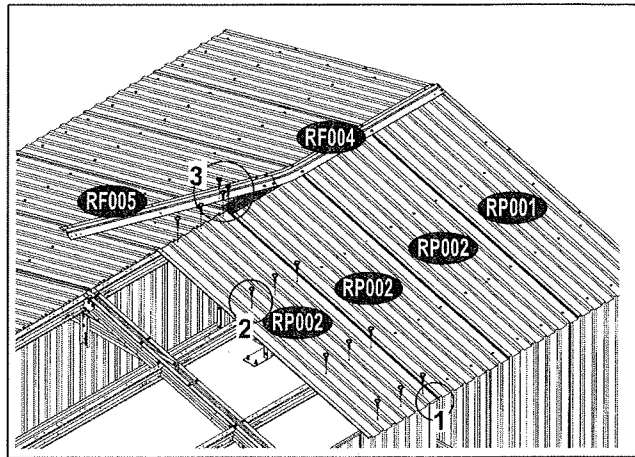


Fig. 3



12. Place roof panel (RP002) to the roof structure and secure all with (S1) screws with washer. Lift roof flashing (RF005) little upward when screwing the roof panel to the middle roof structure.

**Note** *Make sure overlapping of roof panels must follow the figure shown.*

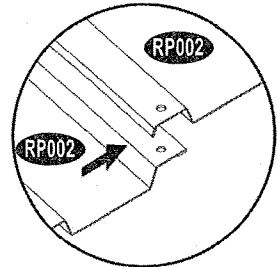


Fig. 1

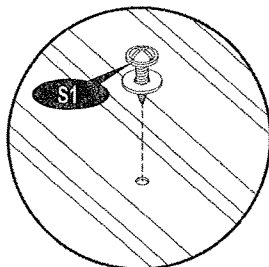
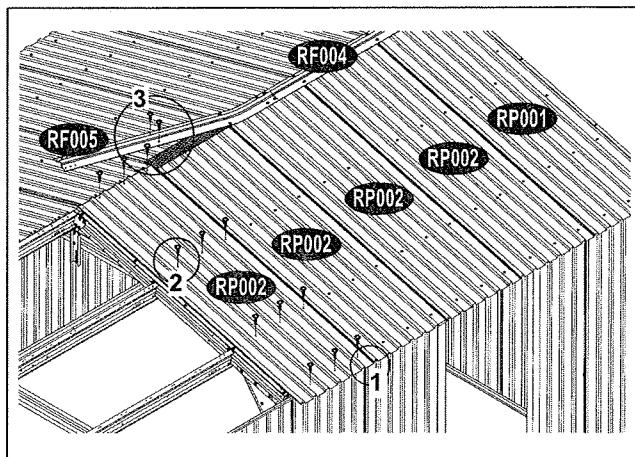


Fig. 2



13. Put weather stripping tape then line up the holes of roof flashing (RF005) to the roof panel and secure with (S2) screws with washers. See fig. 3.

**Note** *Always put weather stripping tape at the middle after fixing every single roof panel.*

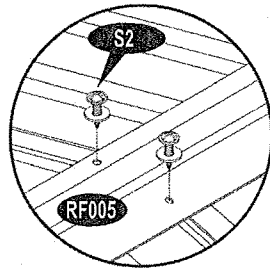


Fig. 3

14. Join center roof flashing (RF005) with (RF005). Observe position of roof flashing. Use (S1) screws with washers. See fig. 1.

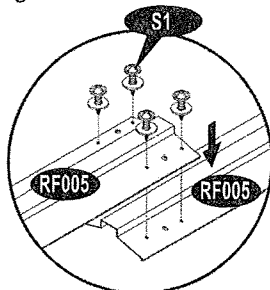
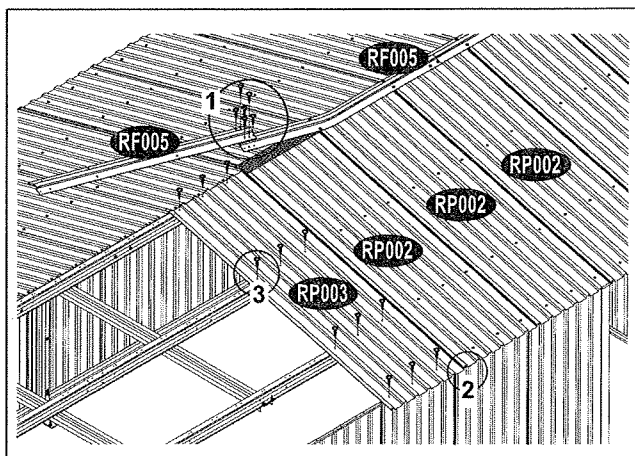


Fig. 1



15. Place roof panel (RP003) to the roof structure and secure all with (S1) screws with washer. Lift roof flashing (RF005) little upward when screwing the roof panel to the middle roof structure.

**Note** *Make sure overlapping of roof panels must follow the figure shown.*

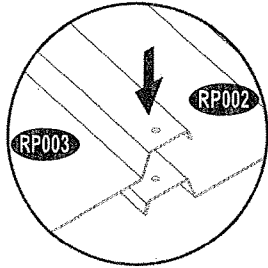


Fig. 2

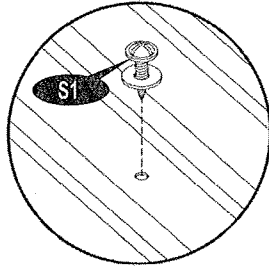


Fig. 3

16. Put weather stripping tape then line up the holes of roof flashing (RF005) to the roof panel and secure with (S2) screws with washers. See fig. 1.

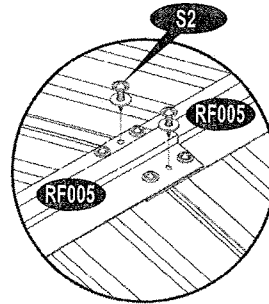
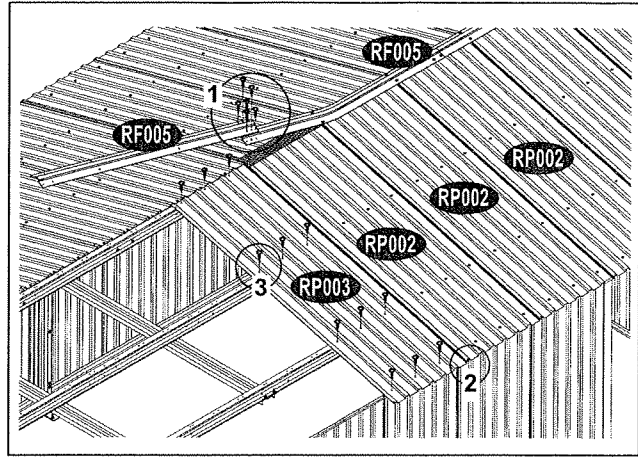


Fig. 1

17. Place roof panel (RP003) to the roof structure and secure all with (S1) screws with washer. Lift roof flashing (RF005) little upward when screwing the roof panel to the middle roof structure.

**Note** *Make sure overlapping of roof panels must follow the figure shown.*

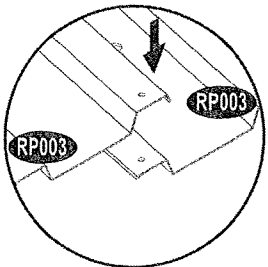


Fig. 2

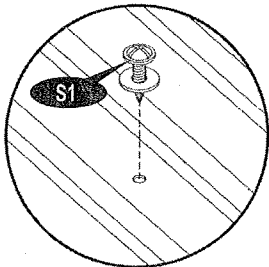
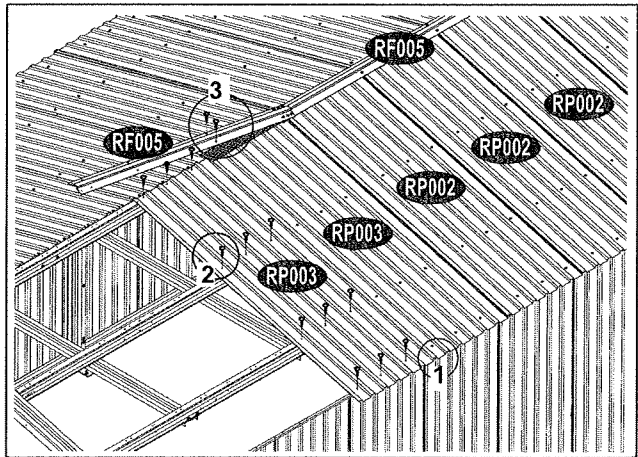


Fig. 3



18. Put weather stripping tape then line up the holes of roof flashing (RF005) to the roof panel and secure with (S2) screws with washers. See fig. 3.

**Note** *Always put weather stripping tape at the middle after fixing every single roof panel.*

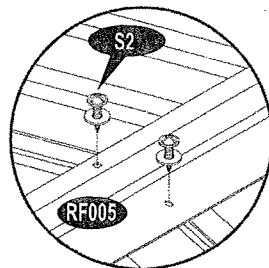


Fig. 3



**19.** Place roof panel (RP003) to the roof structure and secure all with (S1) screws with washer. Lift roof flashing (RF005) little upward when screwing the roof panel to the middle roof structure.

**Note** *Make sure overlapping of roof panels must follow the figure shown.*

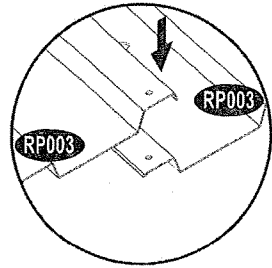


Fig. 2

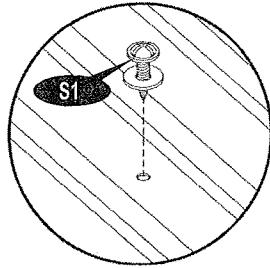
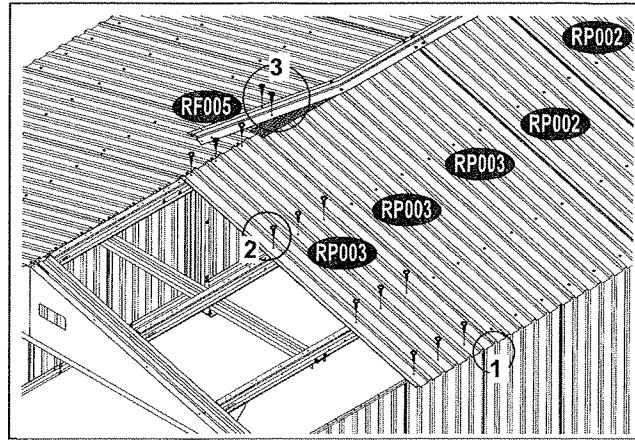


Fig. 3



**20.** Put weather stripping tape then line up the holes of roof flashing (RF005) to the roof panel and secure with (S2) screws with washers. See fig. 3.

**Note** *Always put weather stripping tape at the middle after fixing every single roof panel.*

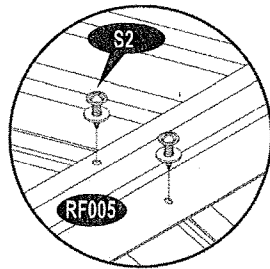


Fig. 3

**21.** Join center roof flashing (RF004) with (RF005). Observe position of roof flashing. Use (S1) screws with washers. See fig. 1.

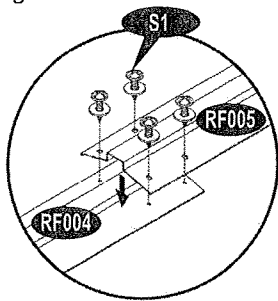
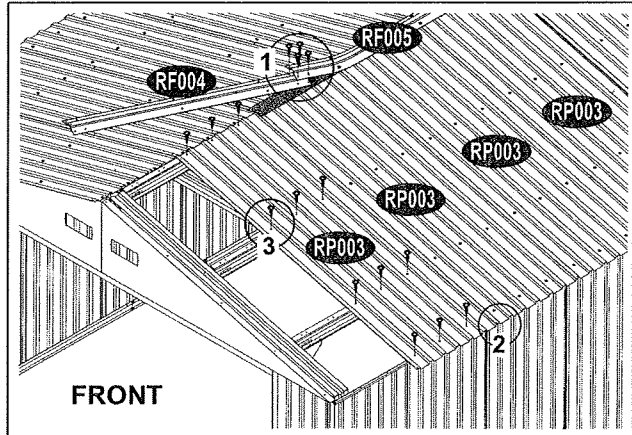


Fig. 1



**22.** Place roof panel (RP003) to the roof structure and secure all with (S1) screws with washer. Lift roof flashing (RF005) little upward when screwing the roof panel to the middle roof structure.

**Note** *Make sure overlapping of roof panels must follow the figure shown.*

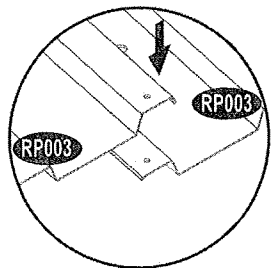


Fig. 2

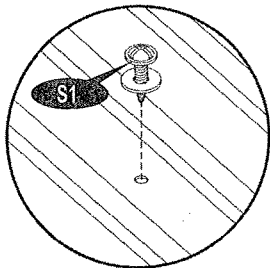


Fig. 3

23. Put weather stripping tape then line up the holes of roof flashing (RF004) to the roof panel and secure with (S2) screws with washers. See fig. 3.



**Note** Always put weather stripping tape at the middle after fixing every single roof panel.

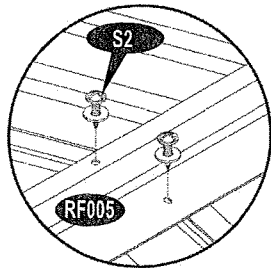
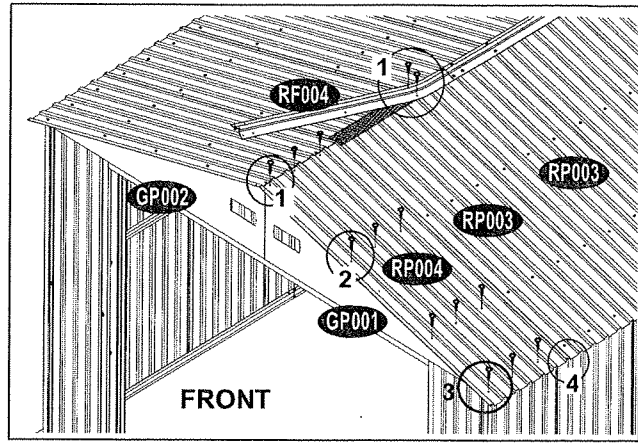
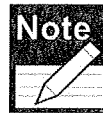


Fig. 1



24. Place roof panel (RP004), line up the holes with the gable panel (GP001) and secure with (S3) bolt and nut with plastic washer (PW) Fig. 1 & 2. Line up the holes with roof support and wall top support, and secure with (S1) screws with washer (PW) Fig. 3.



**Note** Make sure overlapping of roof panels must follow the figure shown.

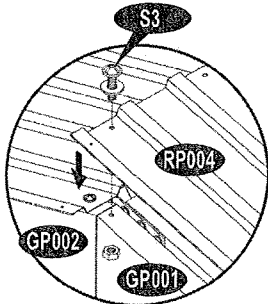


Fig. 1

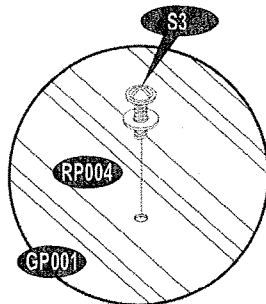


Fig. 2

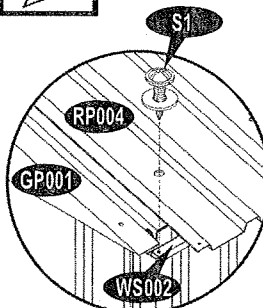


Fig. 3

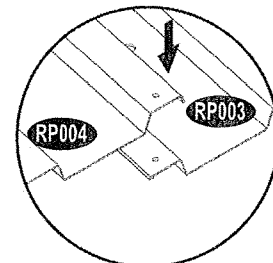
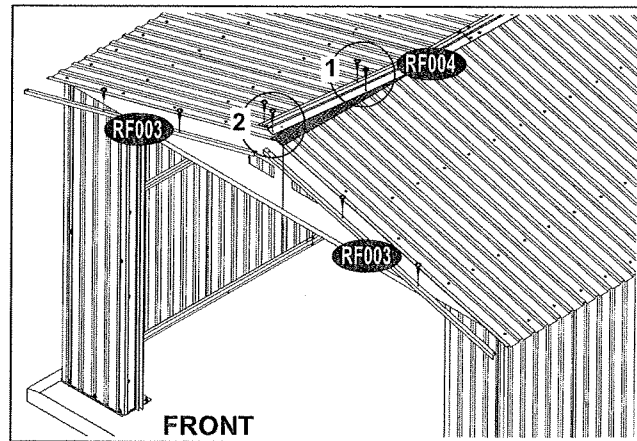
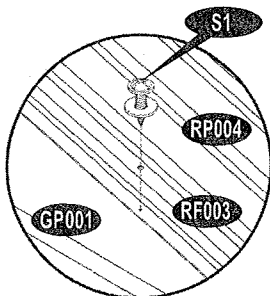


Fig. 4

25. Place roof flashing left and right (RF003). Line up the holes with the roof panels and secure with (S1) screws with washer. See figure.



26. Line up the holes of the roof flashing (RF004) with the flashing (RF003) and roof panel. Secure with (S2) screws with washer. See fig. 1 & 2.

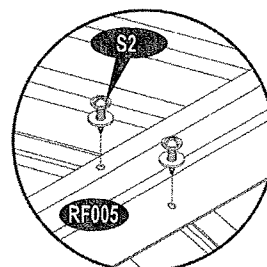


Fig. 1

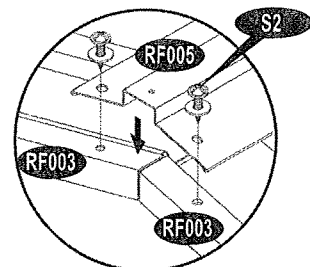


Fig. 2

**27.** Place side roof flashing (**RF001** and **RF002**) and secure all with (**S1**) screws with washer. See fig. 1 and 2.

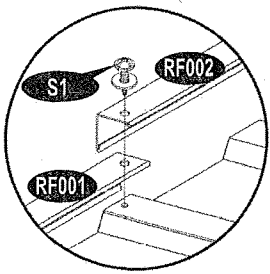


Fig. 1

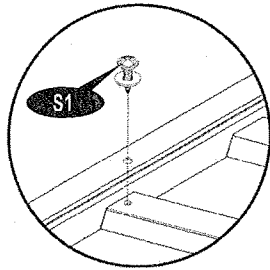
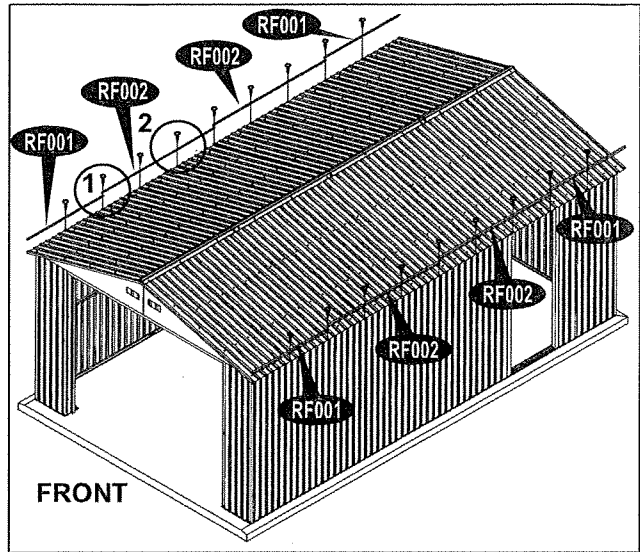


Fig. 2



**28.** Slide the flashing end cap (**FC**) to the front and back / top of the roof and secure with (**S1**) screws with washers. See fig. 1.

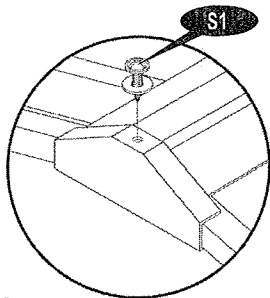
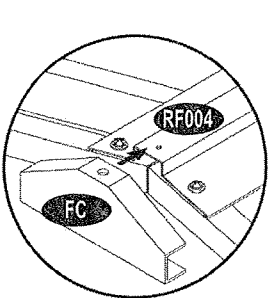
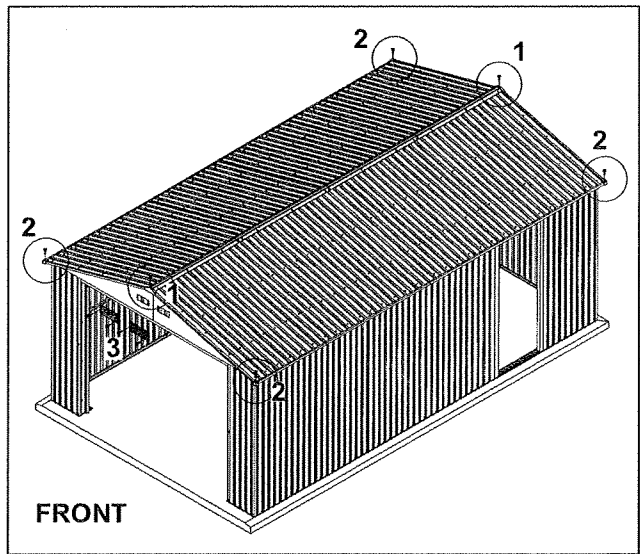


Fig. 1



**29.** Place the top corner (**TC**) on the roof flashing joint and secure with (**S2**) screws.

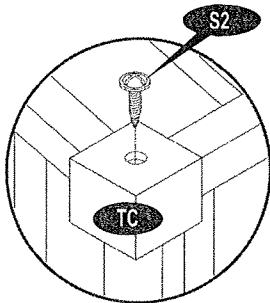


Fig. 2

**30.** Insert the ventilation cover (**VC**) into the front and back gable panel and secure with (**S1**) screws.

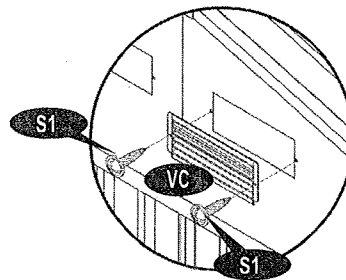
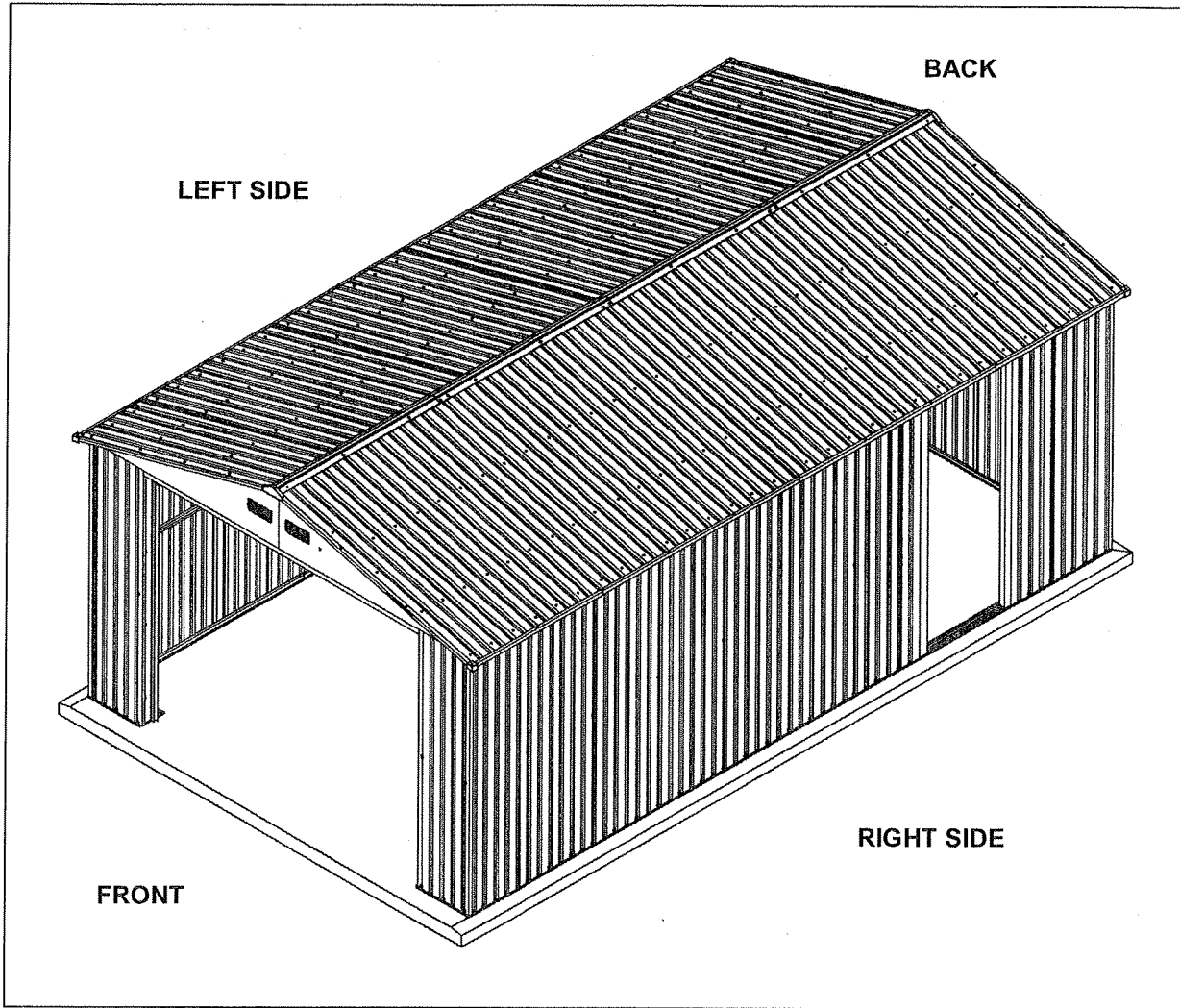


Fig. 3

**31.** Check assembled roof panels and other accessories.



## H. Assembly and Installations of Doors



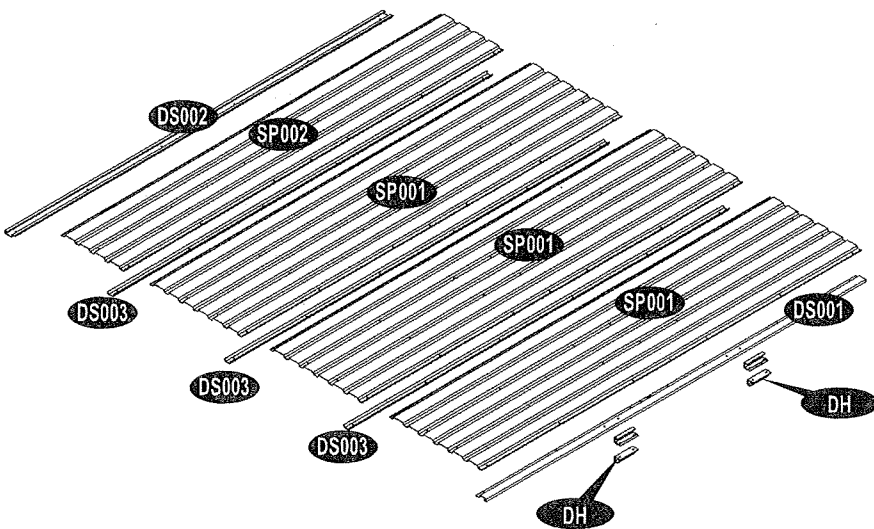
**Note** Door Panels and its accessories are clearly marked and care should be taken to use the correct one.

### Parts needed:

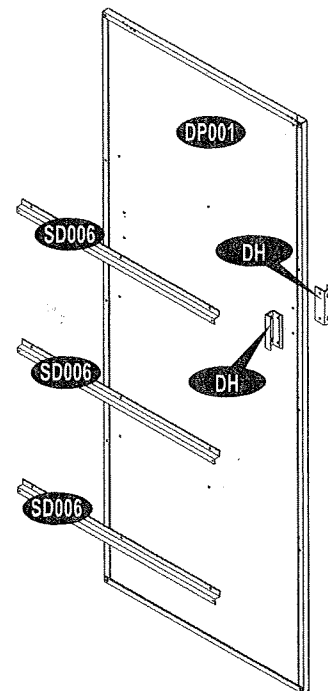
(3)	Shutter Door Panel Big	(SP001)	(1)	Plastic Stopper	(PS)
(1)	Shutter Door Panel Small	(SP002)	(2)	Top Slider	(TS)
(1)	Shutter Door Strip Front	(DS001)	(6)	Door Handle	(DH)
(1)	Shutter Door Strip Back	(DS002)	(13)	Dia. 4.2mm.x10.0mm. (5/32"x3/8")	(S1)
(3)	Shutter Door Strip Center	(DS003)		Sheet Metal Screw	
(1)	Door Panel Sliding	(DP001)	(37)	Dia. 4.0mm.x10.0mm. (5/32"x3/8")	(S3)
(3)	Door Panel Strip Center	(SD006)		Machine Screws with Nuts	
			(5)	Dia. 4.0mm.x19.0mm. (5/32"x3/4")	(S4)
				Machine Screw with Nut	
			(44)	Plastic Washer	(PW)

### EXPLODED VIEW

#### Shutter Door



#### Sliding Door



# ASSEMBLY AND INSTALLATIONS OF SLIDING DOOR and SHUTTER DOOR

1. Assemble sliding door panel (DP001) with door panel strip (SD006). Before fixing all the strips, secure all corners first with (S1) screws. See fig. 1. Fix (SD006) and secure with (S1) screws from inside and (S3) bolts and nuts with washers from outside. See fig. 2.

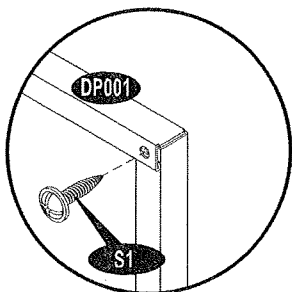


Fig. 1

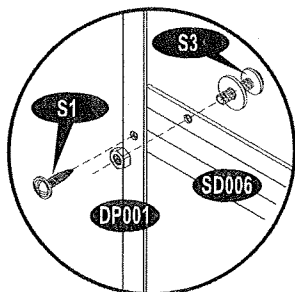
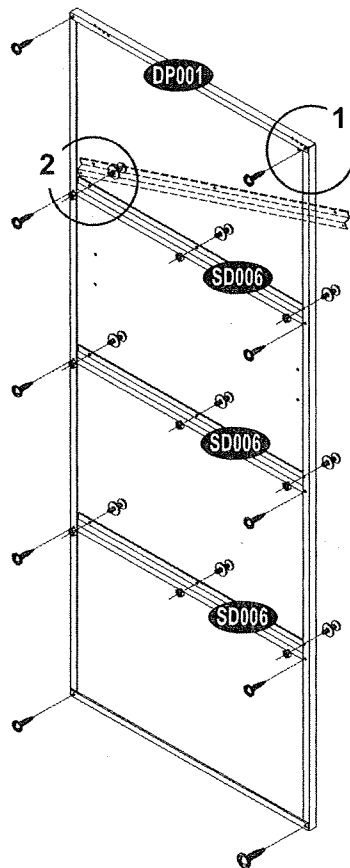


Fig. 2



2. Insert top sliders (TS) into the sliding channel rail (SD004). Place the sliding door assembly into the entrance taper channel (SD005) and line up the holes on top of the door panel with the top sliders. Secure and tight with (S1) screws. See fig. 1, 2 & 3.

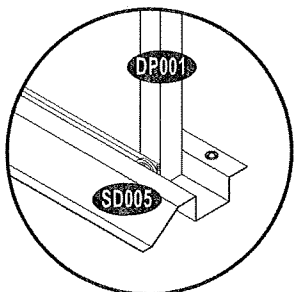


Fig. 1

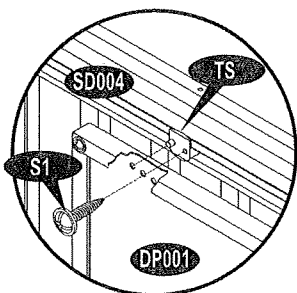
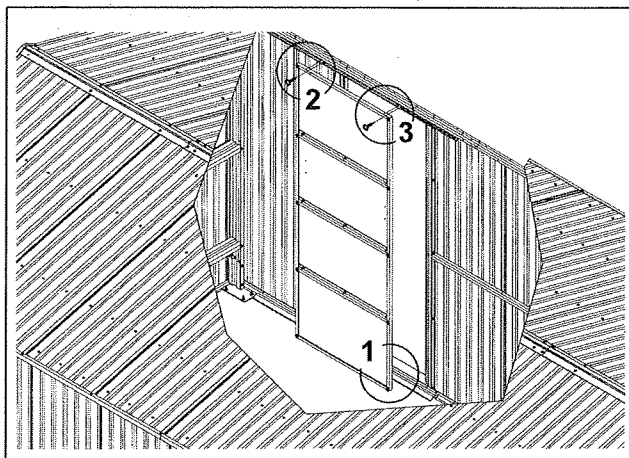


Fig. 2

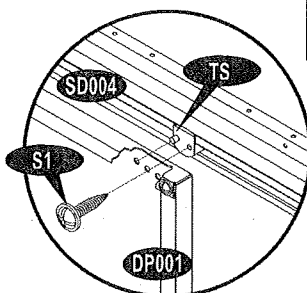
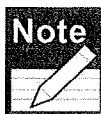


Fig. 3



Alignment of door can be adjusted by placing top slider to desired location holes on top of the door panel.

3. Fix the door handle (DH) from inside and outside of the door panel. Use (S4) bolt and nut. See fig. 1.



**Note** Observe position of the door handle.

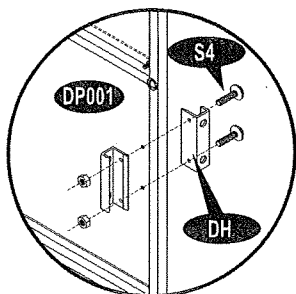
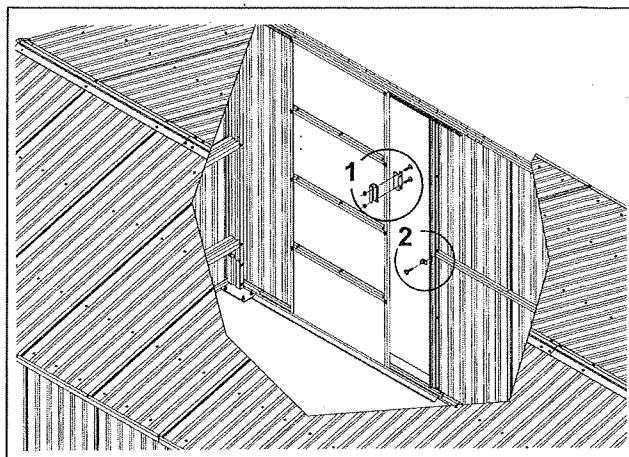


Fig. 1



4. Fix the plastic stopper (PS) to wall middle support center right (WS006) and secure with (S1) screw. See fig. 2.

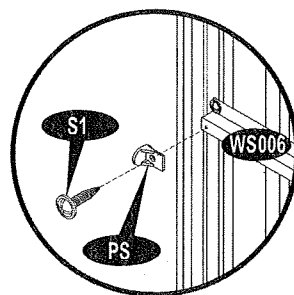


Fig. 2

5. Assemble shutter door panel (SP001 and SP002) with shutter door strip center (DS003). Line up the holes and secure all with (S3) bolt and nut with washer. See fig. 1.

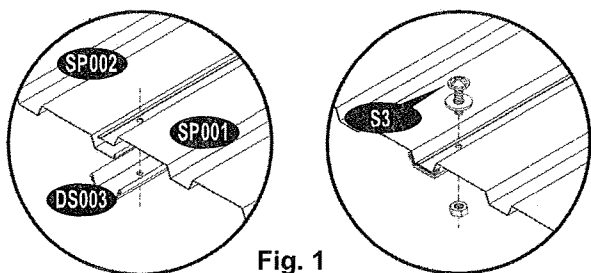
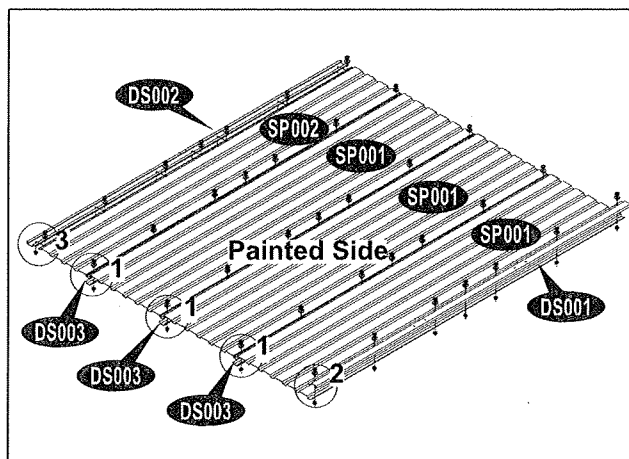


Fig. 1



6. Fix shutter door strip front (DS001). Line up the holes with the shutter door panel (SP001) and secure with (S3) bolts and nuts with washers. See fig. 2.

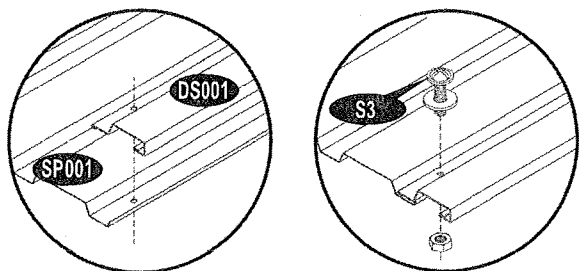


Fig. 2

7. Fix shutter door strip back (DS002). Insert (SP001) and line up the holes with the shutter door strip (DS002). Secure with (S3) bolts and nuts with washers. See fig. 3. (Observe position of the strip)

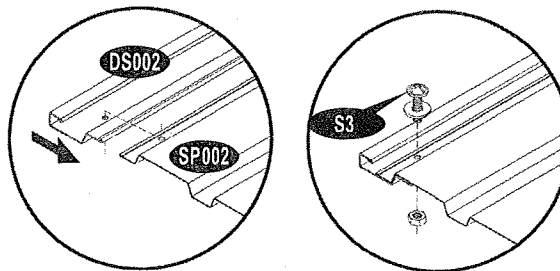


Fig. 3

8. Lift the assembled shutter door panel up. Insert and align the two corners to shutter door rail (DF006 & DF007). Pull & slide the two corners at the same time towards to the front of the garage until it reach the shutter door runner left and right (BS001).

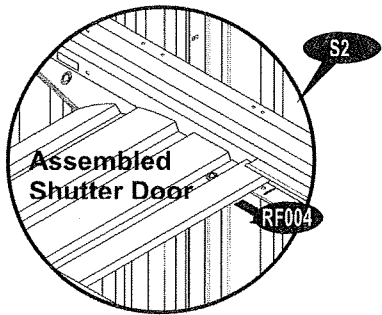
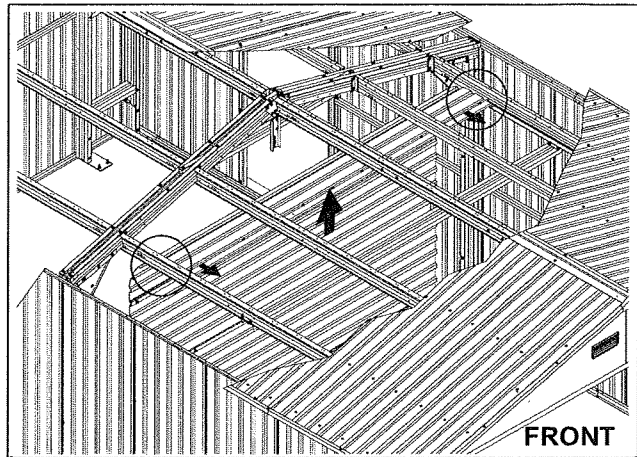
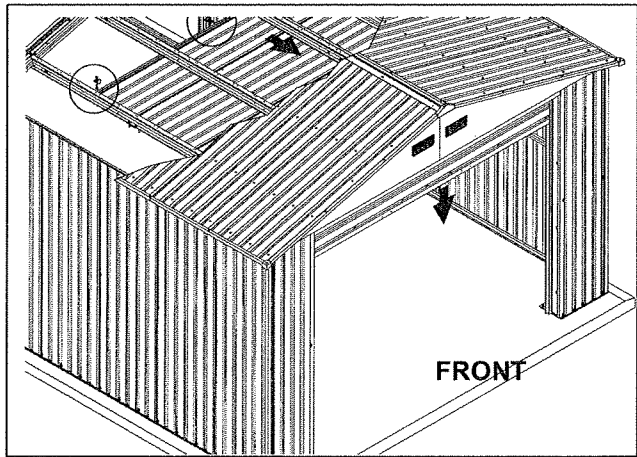


Fig. 1



**Note** Shutter door panel must be pulled slowly towards to the front and hand guide must be applied at the bottom during installations. Be sure that panels will reach up to the shutter runner and keep some space at the back to fix the stopper on two ends of the rail.



9. Fix the door plastic stopper (PS) at the end of shutter door rail (DF007). Secure with (S3) bolt and nut. See fig. 1. Repeat step to fix the other side.

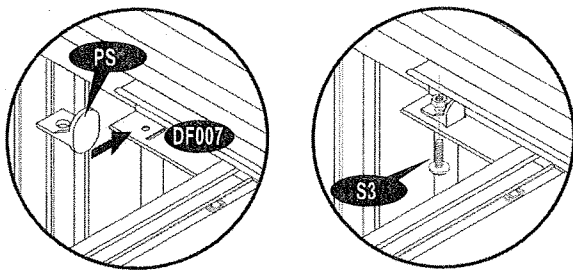
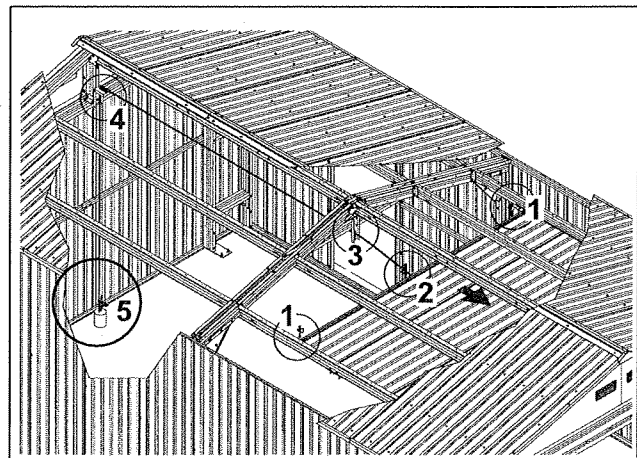


Fig. 1



10. Put steel cable (STC) to the two holes located at the middle of shutter door strip back (DS002). Pull the cable end 100mm. out and squeeze. Fix G. I. Clips (CU) and tight together firmly with M4 bolt. Be sure clip is well tight to avoid disconnection. See fig. 3.

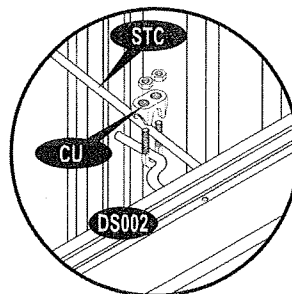


Fig. 3



11. Insert and pull the end of steel cable (STC) passing through the sliding roller (SRW) fixed to the center roller bracket (BS010). Pull and stretch the steel cable until it reach the other sliding roller fixed to the back roller bracket. See fig. 3.

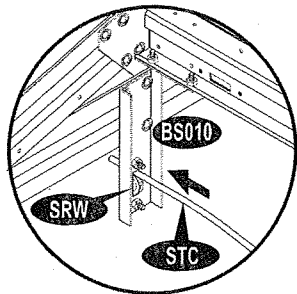


Fig. 3

12. Insert and pull the end of steel cable (STC) passing through the sliding roller (SRW) fixed to the back roller bracket (BS009). Pull and stretch the steel cable vertically downward. See fig. 4.

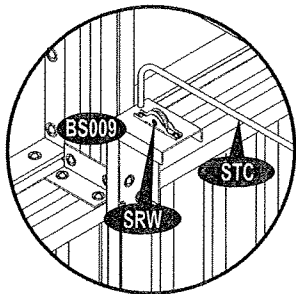
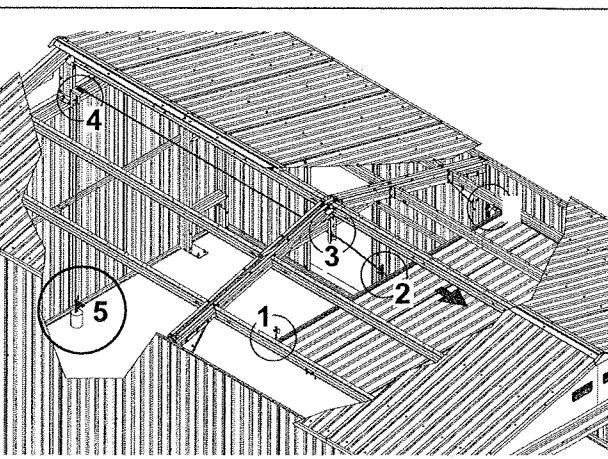
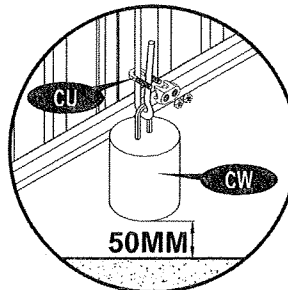


Fig. 4

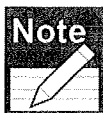


13. Stretch the cable downward and while holding, hang the counter weight (CW). Keep at least 75mm. loop and secure with G.I. clip (CU) with M4 bolt. Keep 50mm. distance of counter weight above the floor level.



**Note** Make sure the two corners of shutter door must touch the plastic door stopper on both sides while fixing the counter weight. Steel Cable must be straight and stretch firmly.

14. Fix door handle (DH). Line up the holes with shutter door strip (DS001) and secure with (S4) bolts and nuts. See fig. 1.



**Note** Observe position of door handle.

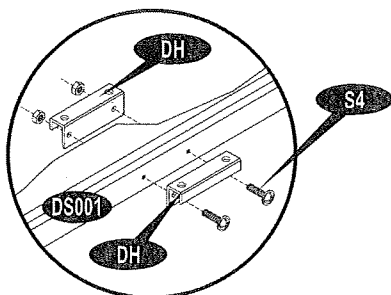
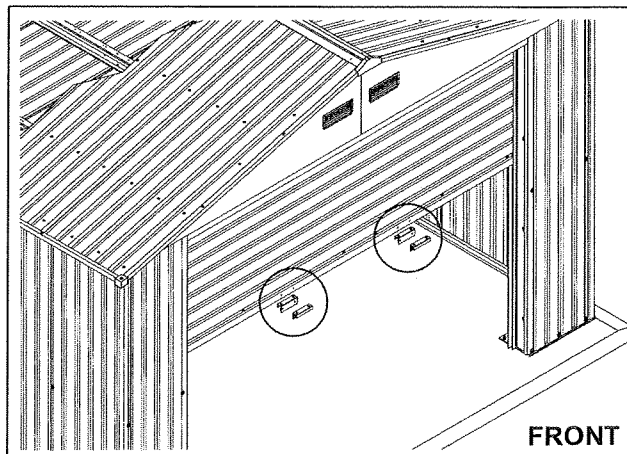
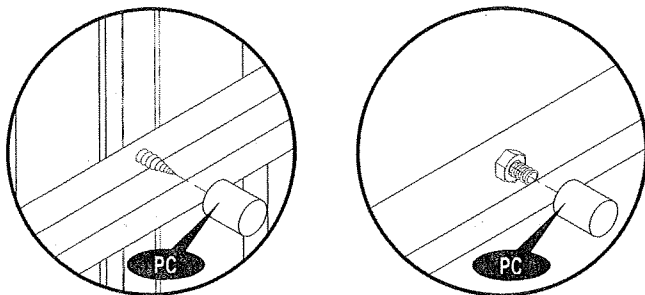


Fig. 1

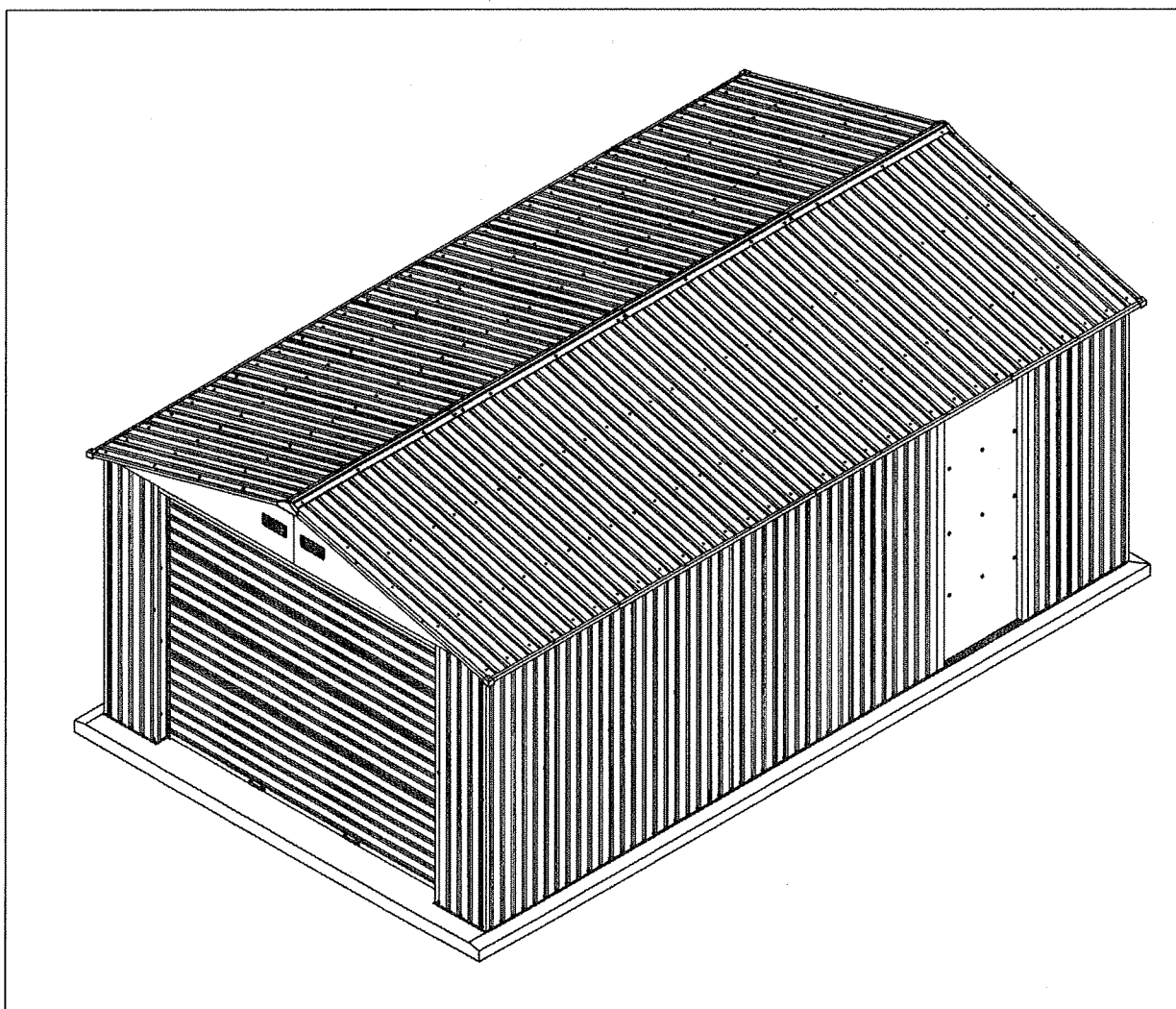


## IMPORTANT

**15.** Fix the plastic screw cover (PC) to the screws and bolts edge from inside to avoid possible injury.



**16.** Check and inspect complete garage assembly.



We recommend to clear your metal garage of snow after each snowfall