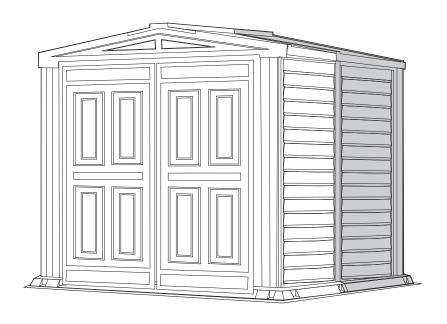




### Storage Shed

Patent #416.091

## OWNER'S MANUAL / Instructions for Assembly Size 5' x 3' with "Extension Kits"



Customer Service Hotline (800) 483-4674 www.uspolymersinc.com

- All Weather Durable PVC
- Available in Various Sizes
- Fire Retardant
- Rust or Rot Proof
- Maintenance Free
- Wide Double Doors
- Quick & Easy Assembly
- High Head Room for Garden Implements
- Never Needs Painting
- Good Insulator

PART 1

ASSEMBLING SHED WITH EXTENSION KIT

PART 2

ADDING EXTENSION KIT TO EXISTING SHED

Note: For shed with extension use this manual only.

Requires two people and takes under 1 hour for Installation.

### Duramax Storage Shed 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.

### Parts List

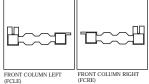


Note: Check all parts prior to installation.

CODE	DESCRIPTION	QTY
BPF	BASE PALLET	1
FCRE	FRONT COLUMN RIGHT	1
FCLE	FRONT COLUMN LEFT	1
CME	MIDDLE COLUMN	1
CCE	CORNER COLUMN	2
CB2E	SIDE CENTER BAND	2
CB2B	BACK CENTER BAND	1
RS1E	RS1 ROOF STRUCTURE	2
RS2E	RS2 ROOF STRUCTURE	4
RS3E	RS3 ROOF STRUCTURE	2
RS5E	RS5 ROOF SRTUCTURE	2
RS14E	SAGGING SUPPORT	2
DSHE	DOOR STOPPER HORIZONTAL	1
SPE↑	SIDE PANEL	4
FPE	FACIA PANEL	2
RP↑	ROOF PANEL	2
RRE	RIDGE COVER	1
DL	LEFT DOOR	1
DR	RIGHT DOOR	1

### **ACCESSORIES**

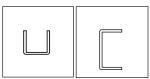
CODE	DESCRIPTION	QTY
FDCL	DOOR COLUMN FITTING LEFT	1
FDCR	DOOR COLUMN FITTING RIGHT	1
FCC	CORNER COLUMN FITTING	4
FMC	MIDDLE COLUMN FITTING	1
FCB	CENTER BAND FITTING	4
RJ	90 DEGREE JOINT	4
PPG	ROOF PLUG	34
PWS	ROOF PLUG WASHER	34
PIN	ROOF PIN	34
S1	DIA. 4.2 x 16mm. (5/32" x 5/8")	
	SHEET METAL SCREW	45
S2	DIA. 4.2 x 32mm. (5/32" x 1 1/4")	
	SHEET METAL SCREW	8
S5	DIA. 4.2 x 45mm. (5/32" x 1 3/4")	
	SHEET METAL SCREW	14
S6	METAL WASHER	14

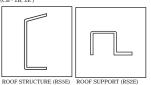


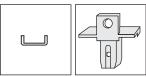
FRONT COLUMN LEFT (FCLE)



CORNER COLUMNS (CCE) MIDDLE COLUMNS (CME)

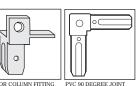






SAGGING SUPPORT (RS14E) MIDDLE COLUMN FITTING (FMC)





PVC 90 DEGREE JOINT (RJ)



CORNER COLUMN FITTING (FCC) ROOF PLUG WASHER (PWS)





ROOF PIN (PIN)

ROOF PLUG (PPG)

BASE PALLET (BPF)

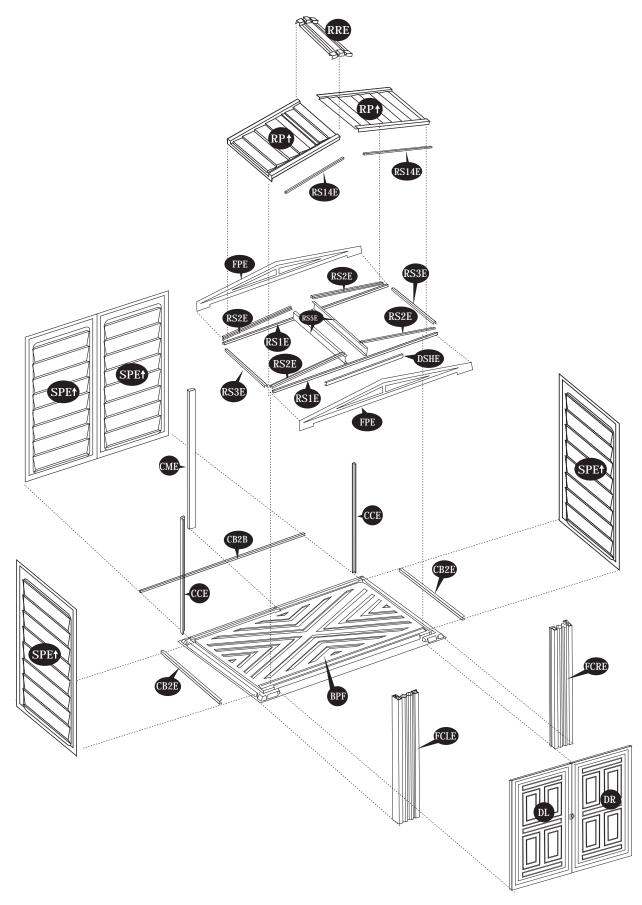
### Tools You Will Need

Cordless Drill - Philips Head Hammer or Rubber mallet **Carpenters Square** 8' Step Ladder Adjustable pliers Level - 3ft. Tape Measure Caulk Gun

Waterproof Clear Silicon

Sealant **Hand Gloves** 





### One Extension Parts List



Note: Check all parts prior to installation.

### **ACCESSORIES**

CODE	DESCRIPTION	QTY	CODE	DESCRIPTION	QTY
BPB	BASE PALLET	1	FMC	MIDDLE COLUMN FITTING	2
CME	MIDDLE COLUMN	2	PPG	ROOF PLUG	14
CB3SB	CENTER BAND SHORT	2	PWS	ROOF PLUG WASHER	14
RS3SB	RS3 ROOF STRUCTURE SHORT	2	PIN	ROOF PIN	14
RS4E	RS4 ROOF STRUCTURE	2	BPP	BASE PALLET PLUG	8
RS6E	RS6 ROOF STRUCTURE	1	BPIN	BASE PALLET PIN	8
RS7E	RS7 ROOF SRTUCTURE	1	PGC	BACK PANEL GROOVE COVER	2
RS11E	RS11 ROOF SRTUCTURE SUPPORT	1	MCC	MIDDLE COLUMN GROOVE COVER	1
RS14E	SAGGING SUPPORT	2	S1	DIA. 4.2 x 16mm. (5/32" x 5/8")	
SPE <b>↑</b>	SIDE PANEL	2		SHEET METAL SCREW	18
RP ↑	ROOF PANEL	2	S3	M4 x 10 mm. (M5/32" x 3/8")	
RRE	RIDGE COVER	1		MACHINE SCREW WITH NUT	10
			S5	DIA. 4.2 x 45mm. (5/32" x 1 3/4")	
				SHEET METAL SCREW	4
			S6	METAL WASHER	4





MIDDLE COLUMNS (CME) BACK PANEL GROOVE COVER (PGC)





ROOF STRUCTURES (RS -3SB) (CB3SB)





ROOF STRUCTURE (RS6E) ROOF SUPPORT (RS4E) & (RS7E)





SAGGING SUPPORT (RS14E) MIDDLE COLUMN FITTING (FMC)

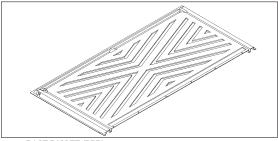




ROOF PIN (PIN),(BPIN)



ROOF PLUG (PPG),(BPP)



BASE PALLET (BPB)

# Exploded view with one extension RS6E BPB



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



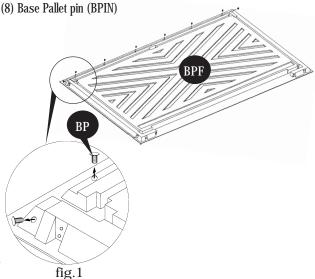
All panels are clearly marked and care should be taken to use the correct one.

### Parts Needed:

- (1) Base Pallet (BPF)
- (2) Corner Column (CCE)
- (1) Front Column Right (FCRE)
- (1) Front Column Left (FCLE)
- (1) Middle Column (CME)
- (4) Side Panels (SPE↑)
- (2) Side Center Band (CB2E)
- (1) Back Center Band (CB2B)
- (4) Center Band Fitting (FCB)
- 1. Place the base pallet (BPF) on the ground with the flat surface facing down.
- 2. Remove the blind plug (BP) from the back side of the base pallet. See fig.1
- 3. Assemble the base pallet (BPF) & (BPB) together using base pallet plug (BPP). Locate the holes in the base pallet (BPB) through the base pallet (BPF) and fix the base pallet plug into position. Use a hammer (rubber Mallet) to drive in base pallet pins (BPIN). Follow the steps (1 to 4).

### Parts Needed for each Extension

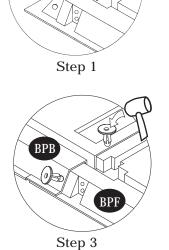
- (1) Base Pallet (BPB)
- (2) Middle Column (CME)
- (2) Side Panels (SPE↑)
- (2) Center Band (CB3SB)
- (8) Base Pallet plug (BPP)

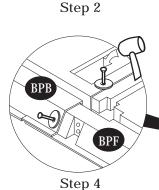


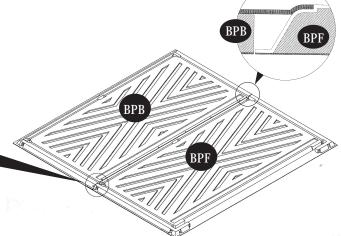
 $3a. \ {
m For\ each\ extension\ add\ one\ basepallet\ (BPB)}$  from back side.

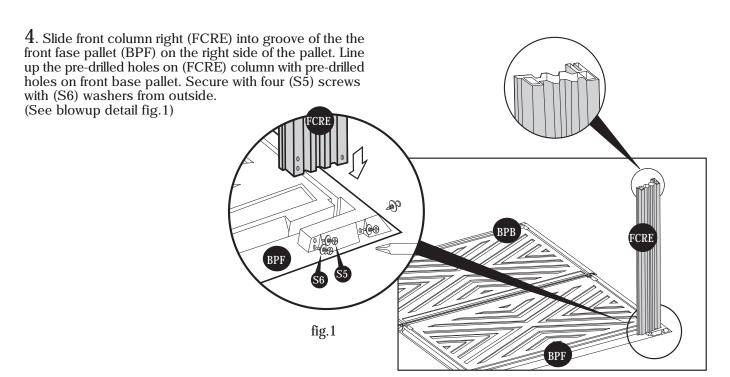


First insert all roof plugs with washers then drive in the roof pins.

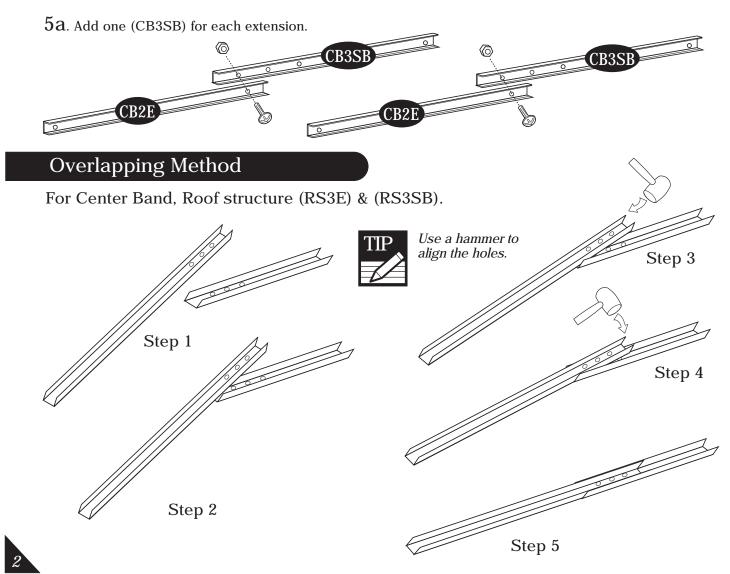


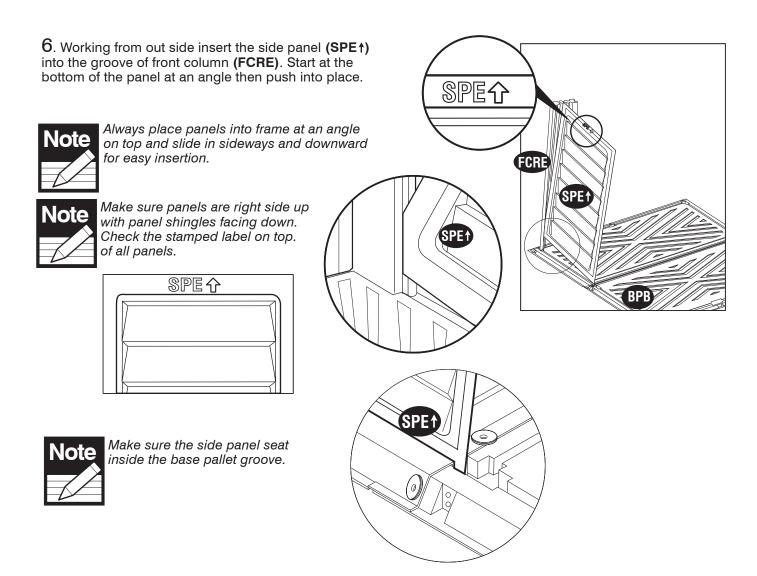


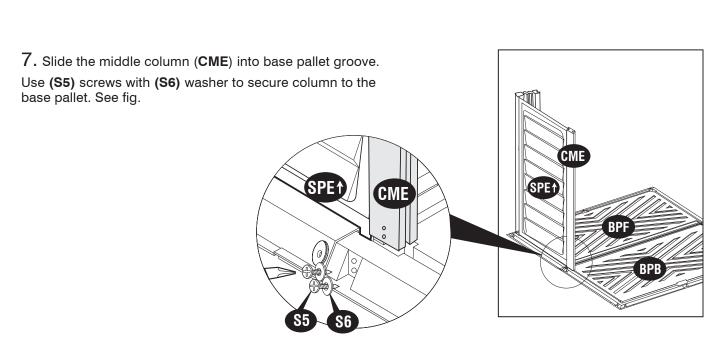




. Assemble the center bands (CB2E) & (CB3SB) with (S3) screws with nuts. Follow overlapping method shown below. Make two set.

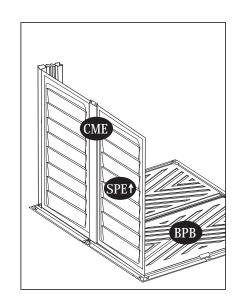


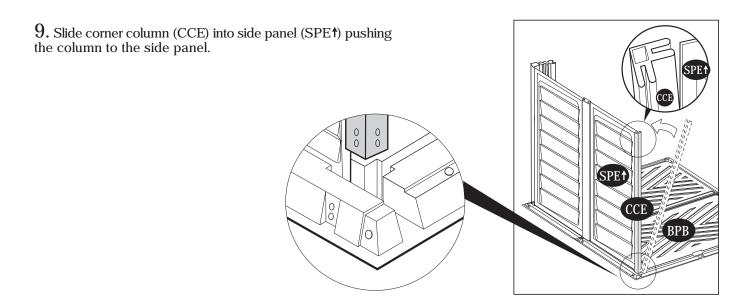


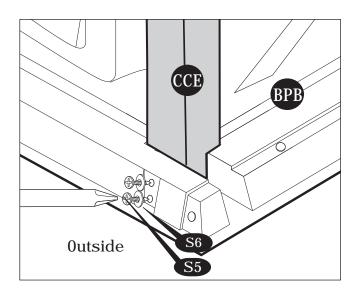


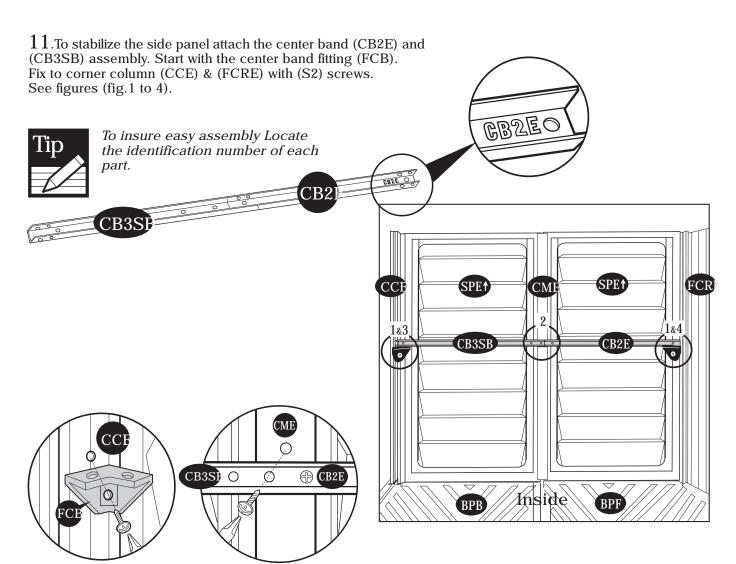
8. Insert the side panel (SPE1) into the groove of middle column (CME). Start at the bottom of the panel at an angle then push into place.

8a. For each extension add one side panel (SPE†) and one column (CME).











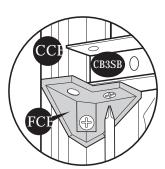


Fig.3: Use (S1) screw. Fix (CB3SB) to (FCB).

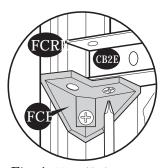
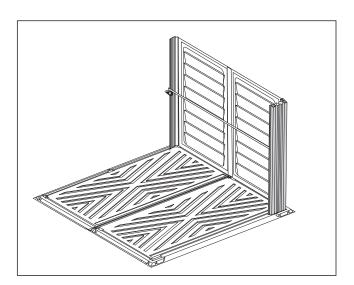
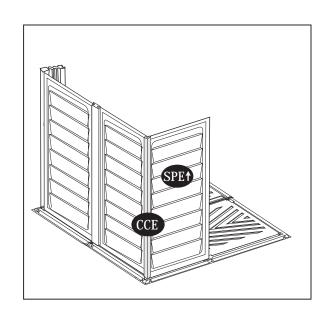


Fig.4: Use (S1) screw. Fix (CB2E) to (FCB).

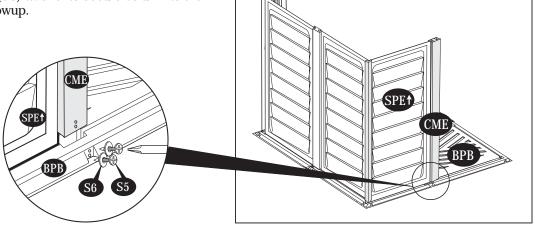


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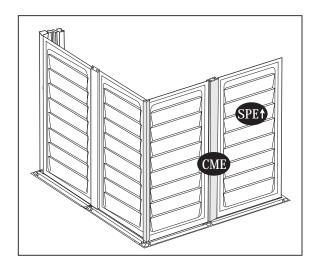
12. Insert the side panel (SPE†) into the groove of corner column (CCE). Start at the bottom of the panel at an angle then push into place.



 $13. \label{eq:column} \ \text{Slide the middle column (CME) into the base pallet groove.} \\ \ \text{Use two (S5) screws with (S6) washer to secure column to the base pallet (BPB). See Blowup.}$ 

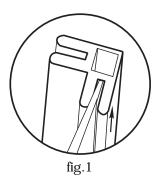


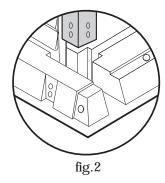
14. Insert the side panel (SPE†) into the groove of middle column (CME). Start at the bottom of the panel at an angle then push into place.



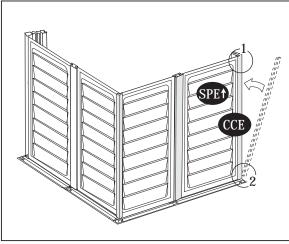
6

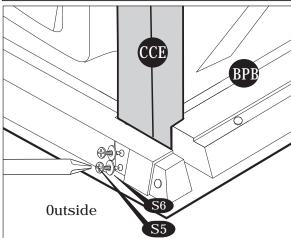
15. Slide the corner column (CCE) to the side panel (SPE  $\mbox{\uparrow}\mbox{)}$  pushing the column to the side panel. See fig (1 & 2).





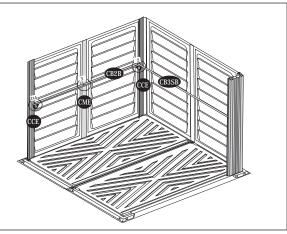
 $16. \ \ Working from \ outside \ use \ (S5) \ screws \ with \ (S6) \ washers \ to \ secure \ column \ to \ base \ pallet \ (BPB).$ 





17. Stabilize the side panel with the center band (CB2B). Fix (FCB) fitting to the corner column (CCE). Follow the fig. (1 to 4).





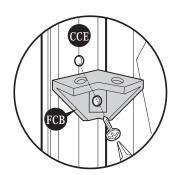


Fig.1: Use (S2) screw. Fix (FCB) to (CCE). Leave it loose.

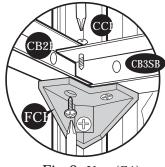


Fig.2: Use (S1) screws. Fix (CB2B) to (FCB) and (CB3SB)

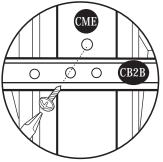


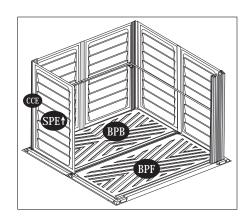
Fig.3: Use (S1) screws. Fix (CB2B) to (CME) column.



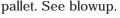
Fig.4: Use (S1) screw. Fix (CB2B) to (FCB).

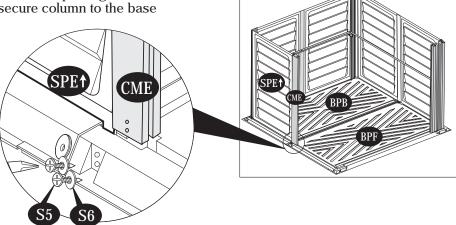


18. Insert the side panel (SPE†) into the groove of column (CCE). Start at the bottom with panel at an angle then push into place.

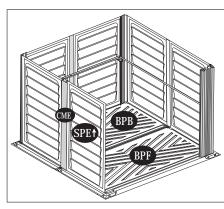


 $19. \ \,$  Slide the middle column (CME) into base pallet groove. Use (S5) screws with (S6) washer to secure column to the base pallet. See blowup.

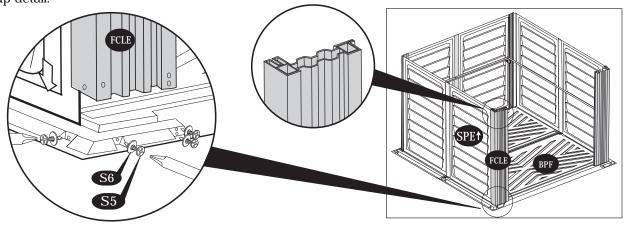




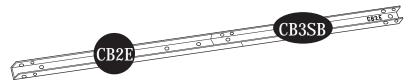
20. Insert the side panel (SPE†) into the groove of middle column (CME). Start at the bottom of the panel at an angle then push into place.

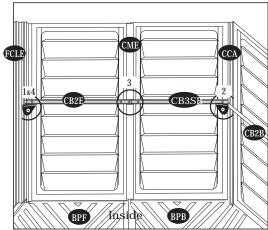


 $21. \ \,$  Slide the front column (FCLE) into the groove of the front base pallet (BPF). Line up the pre-drilled holes on (FCLE) column with pre-drilled holes on base pallet. Fix with (S5) screws with (S6) washers from outside. See blowup detail.



22. To stabilize the side panel attach the center band (CB2E) and (CB3SB) assembly. Start with the center band fitting (FCB). Fix to corner column (CCE) & (FCRE) with (S2) screws. See figures (fig.1 to 4).





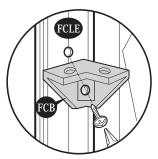


Fig.1: Use (S2) screw. Fix (FCB) to (FCLE). Leave it loose.



Fig2: Use (S1) screws. Fix (CB3SB) to (FCB) and (CB2B).

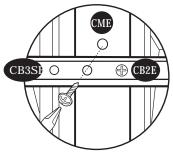


Fig.3: Fix to (CME) with (S1) screw.

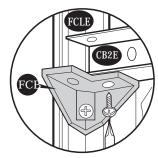


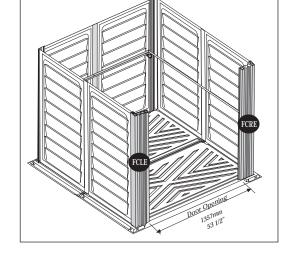
Fig.4: Use (S1) screw. Fix (CB2E) to (FCB).



After completing the center band assembly fully tighten the four center band fittings (FCB) to the columns.

### B. Roof Frame





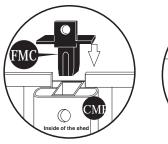
### Parts Needed:

(2) RS1 Roof Structure	(RS1E)
(4) RS2 Roof Structure	(RS2E)
(2) RS3 Roof Structure	(RS3E)
(2) RS5 Roof Structure	(RS5E)
(1) Door Stopper Horizantal	(DSHE)
(1) Door Column Fitting Left	(FDCL)
(1) Door Column Fitting Right	(FDCR)
(4) Corner Column Fitting	(FCC)
(1) Middle Column Fitting	(FMC)
(4) 90 Degree Joint	(RJ)

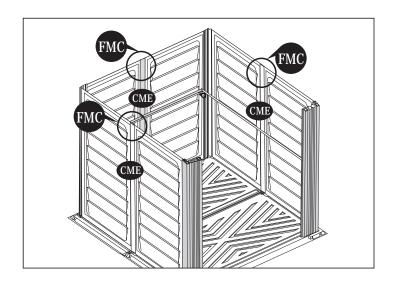
### Parts needed for each extension:

(2) RS3 Roof Structure Short	(RS3SB)
(2) RS4 Roof Structure	(RS4E)
(1) RS6 Roof Structure	(RS6E)
(1) RS7 Roof Structure	(RS7E)
(1) RS11 Roof Structure Support	(RS11E)
(2) Middle Column Fitting	(FMC)

1. Insert the middle column fitting (FMC) into top of middle columns (CME) square tubing inserts. Fix the column fittings (FMC) to columns (CME) with (S1) screws from inside the shed.

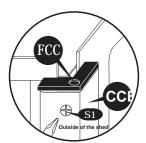






2. Insert the corner column fittings (FCC) into the corner columns (CCE) and the corner of (FCLE) & (FCRE) square tubing insert. Fix with (S1) screws from outside of the shed.



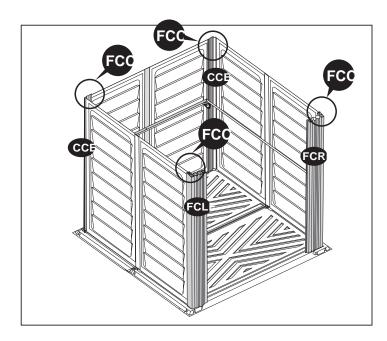


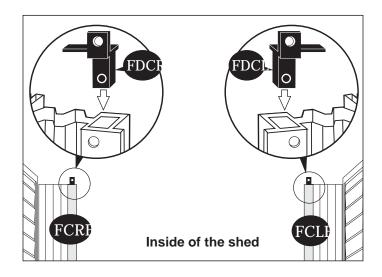


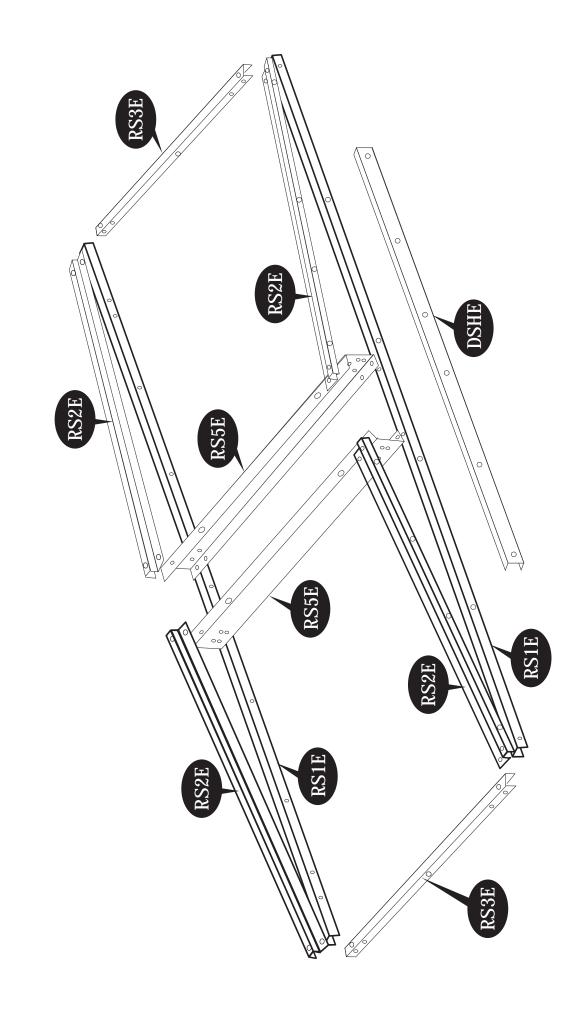


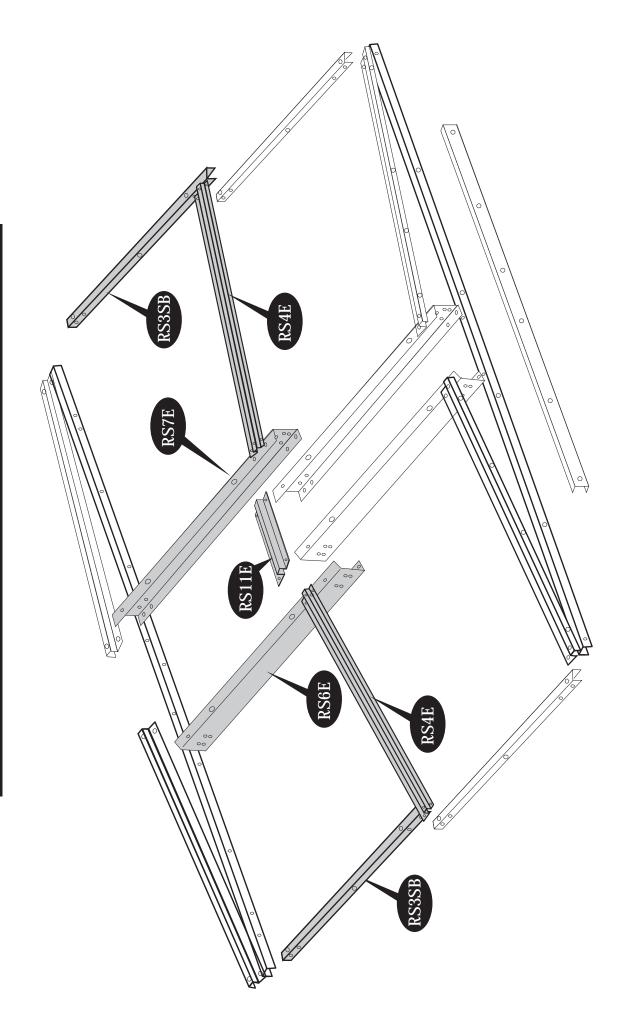
 $3. \ \mbox{Insert the front column fittings (FDCL)} \ \mbox{and (FDCR)} \ \mbox{left and right into the front columns (FCLE)} \ \mbox{and} \ \mbox{(FCRE)} \ \mbox{square tubing inserts.} \ \mbox{Fix with (S1) screw.}$ 





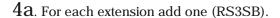


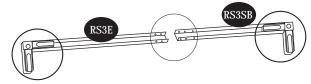


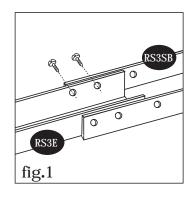


### Roof structure assembly

4. Assemble (RS3E) & (RS3SB) with (S1) screws (2 sets). See Fig.1.



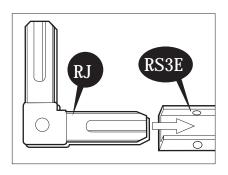


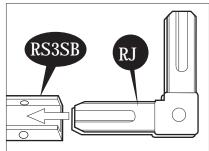


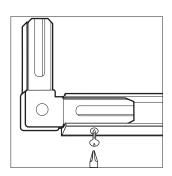


Refer Page No. 2 for Overlapping Method of (RS3E) & (RS3SB).

5. Insert 90 degree joint (RJ) into the (RS3E) U-channel Roof support. Use a hammer to push in. Use (S1) screws to fix. Repeat on other end of (RS3SB). See fig.

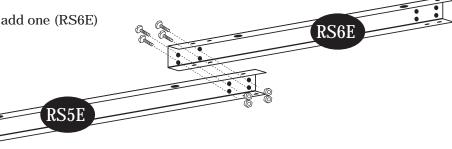




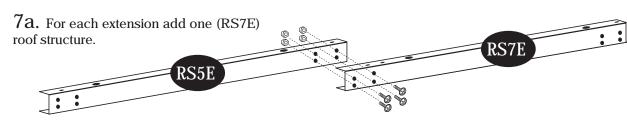


**6.** Assemble the roof structure (RS5E) into (RS6E) with 4 (S3) screws with nuts.

 $\begin{tabular}{ll} 6a. For each extension add one (RS6E) \\ roof structure. \end{tabular}$ 

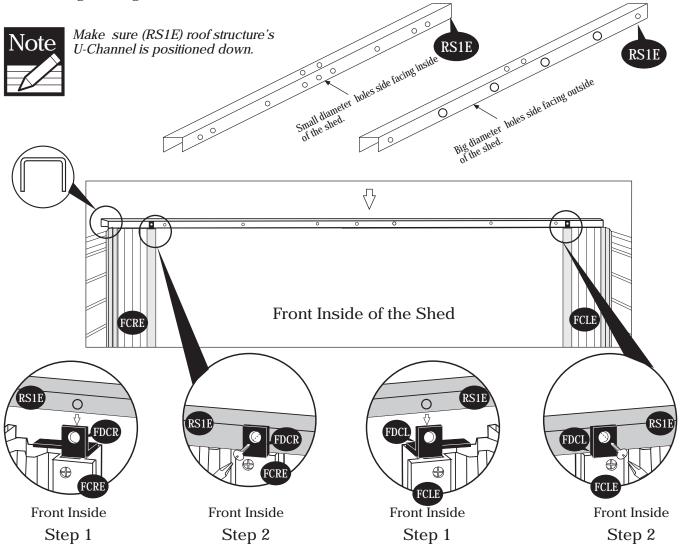


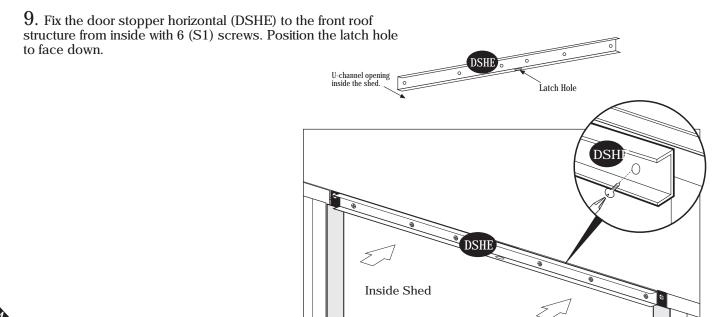
7. Assemble the roof structure (RS5E) into (RS7E) with 4 (S3) screws with nuts.



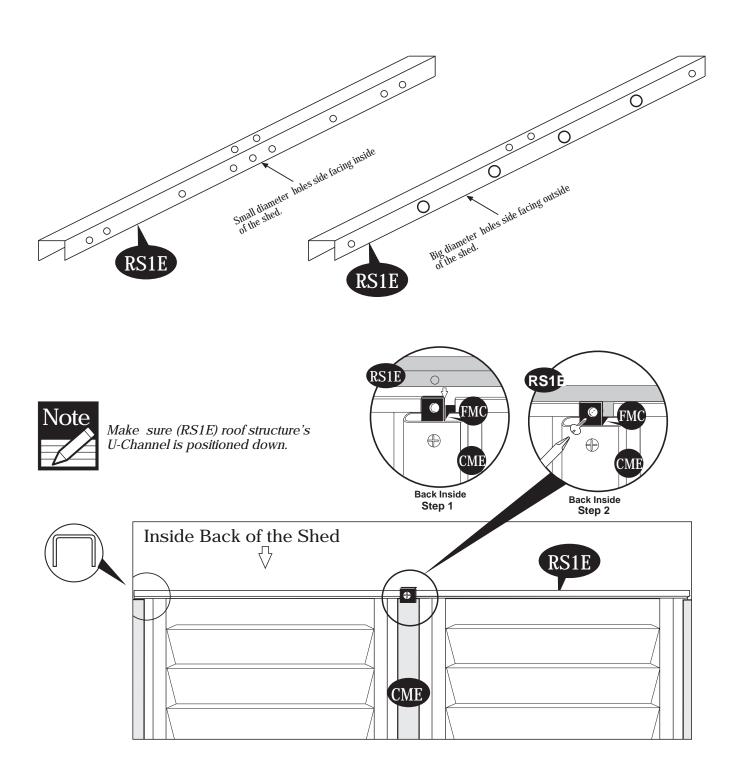
### Roof structure assembly

**8.** Place the (RS1E) roof structure into position on top of front columns. Line up pre-drilled holes with door column fittings (FDCL) & (FDCR). Use (S1) screws to fix (RS1E) roof structure to the front columns with left and right door-column fittings. See fig.





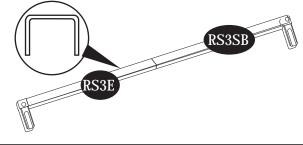
. Place the (RS1E) roof structure into position on top of back middle columns (CME). Line up pre-drilled holes with column fittings (FMC). Use (S1) screws to fix (RS1E) roof structure to (FMC).



 $11. \ \mbox{Insert}$  the roof supports (RS3E) & (RS3SB) assembly into the roof structure (RS1E). See (fig.1 & 2)



After assembly make sure (RS3E) & (RS3SB) roof structure's U-Channel is positioned down.



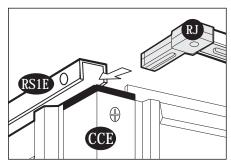
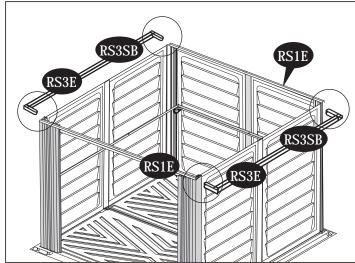
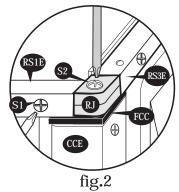


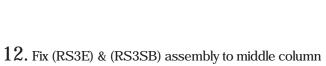
fig.1

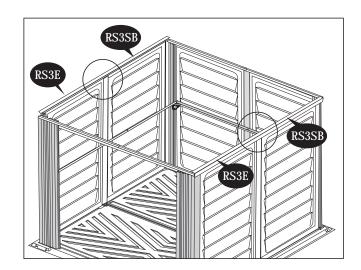


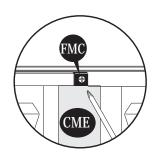


Secure (RJ) 90 degree joint to (RS1E) with (S1) screws on top of the four corner columns.

Secure (RJ) with (FCC) using (S2) screw on all the four corner columns.

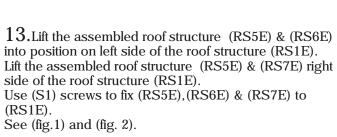


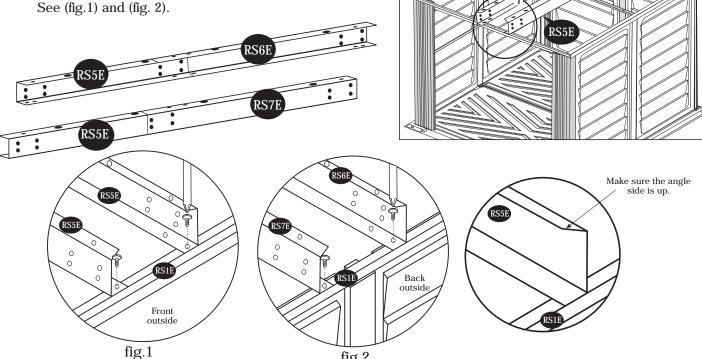




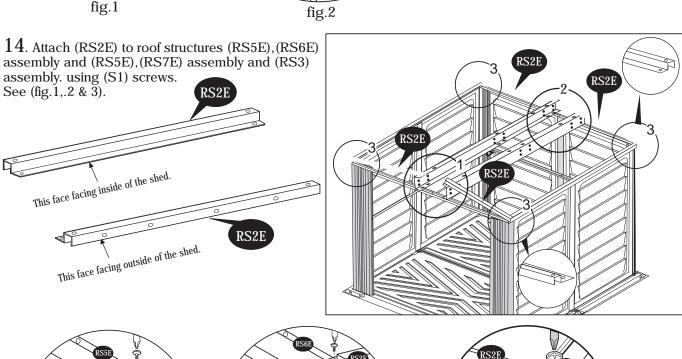
fitting (FMC) with (S1) screws.

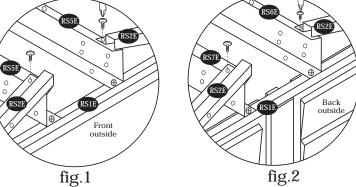


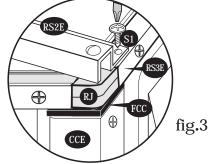




RS5E







Fix (RS2E) to 90 degree joint (RJ) through (RS3E) and (RS3SB) with (S1) screw.

 $15. \ \rm{Attach} \ (RS11E) \ to \ roof \ structures \ (RS5E), (RS6E) \ and \ (RS7E) \ using \ (S1) \ screws. \ See \ (fig.1)$ 

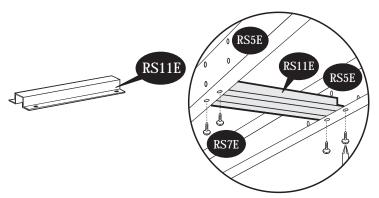
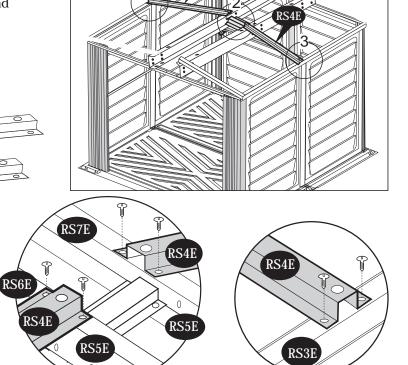


fig.1

 $16. \ \,$  Attach the roof structures (RS4E) to (RS5E), (RS6E) assembly and (RS5E),(RS7E) assembly and (RS3) assembly with (S1) screws. See (fig.1,2) and (fig.3).

 $16a.\ {\rm For\ each\ extension\ add\ two\ (RS4E)\ roof\ structure.}$ 



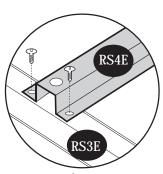
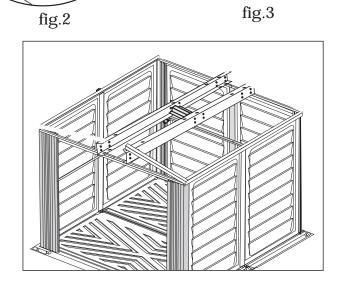


fig.1



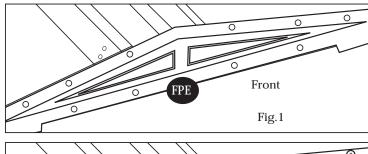
### C. Roof panels

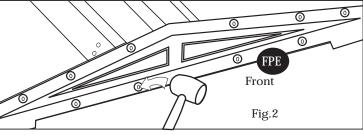
### Parts needed:

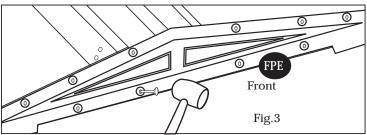
- (2) Roof Panels (RP1)
- (2) Facia Panel (FPE)
- (1) Ridge Cover (RRE)
- (34) Roof Plug Washer (PWS)
- (34) Roof Plugs (PPG)
- (34) Roof Pins (PIN)
- (2) Sagging Support (RS14E)

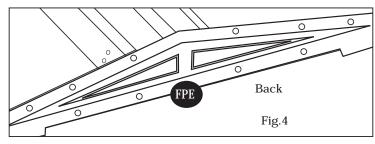
### Parts needed for each extension:

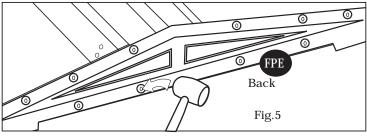
- (2) Roof Panels (RP†)
- (1) Ridge Cover (RRE)
- (14) Roof Plug Washer (PWS)
- (14 Roof Plugs (PPG)
- (14) Roof Pins (PIN)
- (2) Sagging Support (RS14E)
- (2) Back panel groove cover (PGC)
- (1) Middle column groove cover (MCC)
- 1. Place facia panel (FPE) to front roof structure.
- 2. First put the roof plug washer on the roof plug. Locate the holes in the facia panel through roof structure and fix with roof plugs w/washers. Use a hammer to drive in plastic pins (rubber mallet). See figures 1, 2 & 3 for details. Repeat action to fix facia panels on backside. See figures 4, 5 & 6

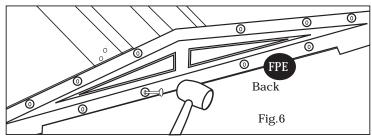


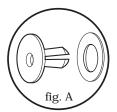


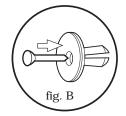














First insert all roof plugs with washers to the panels (left & right) then drive in the roof pins.

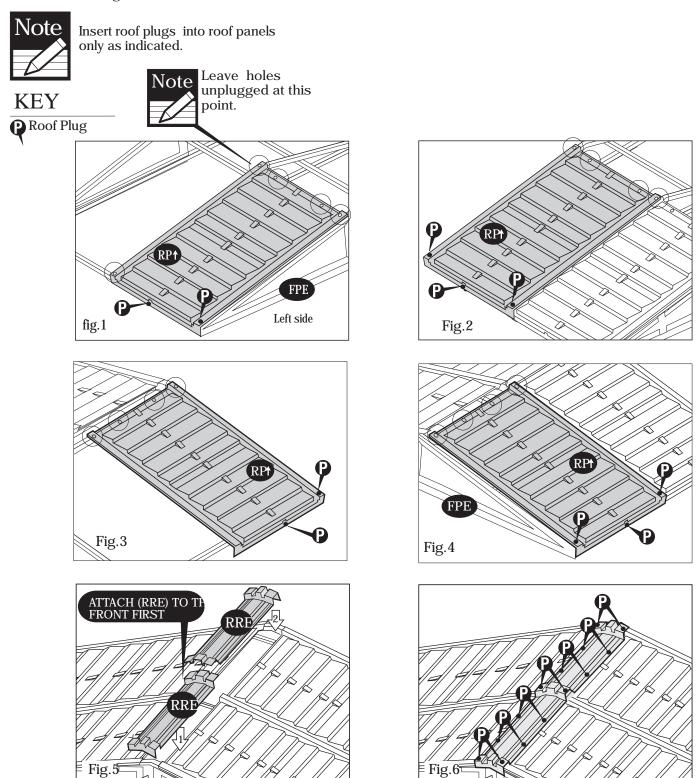
3. Start attaching the roof panels from left side of the shed by sliding the roof panel (RP†) on roof structure. Locate the hole positions of the roof panel and roof structure. Fix with plastic washers and plugs. Use a hammer to drive in plastic pins. See figures 1 thru 4.

3a. Add two roof panel for each extension.

4. Attaching the ridge cover (RRE) on top of the roof panels (RP1), start from the front side of the shed. See fig.5 & 6

4a. Add one ridge cover for each extension.

Front of Shed

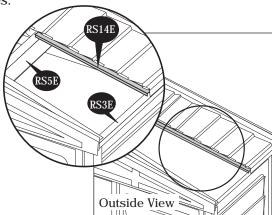


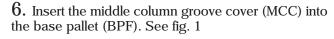
Front of Shed



Finish the roof panels with a little silicone glue around the roof plugs holes.

5. Insert the sagging support (RS14E) from inside the shed by sliding it between roof support (RS5E) and roof panel until it reaches (RS3E) roof support for each panel. See figures.





 $7. \ \ \$  Insert the back panel groove cover (PGC) into the base pallet (BPF). See fig. 2

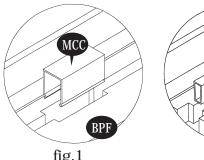


fig.1

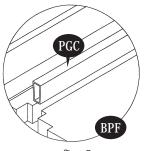
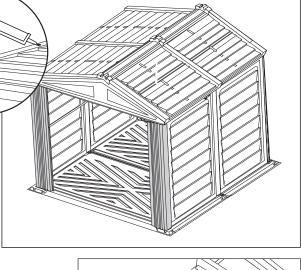
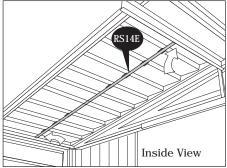
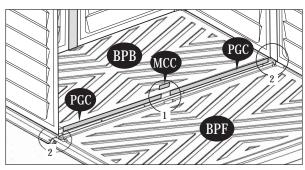


fig.2



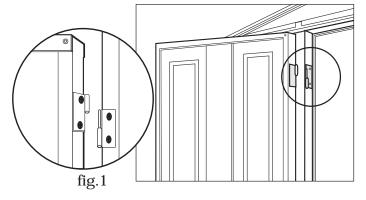


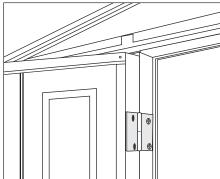


### D. Doors

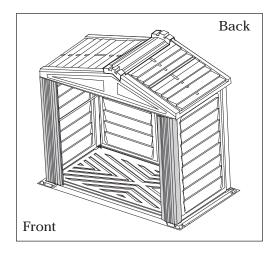
### Parts Needed:

- (1) Door Left
- (1) Door Right
- 1. Attach the doors left and right (see fig.1) with Loose pin hinges on front columns (FCLE) and (FCRE).





### PART 2: Adding Extension Kit to Existing Shed



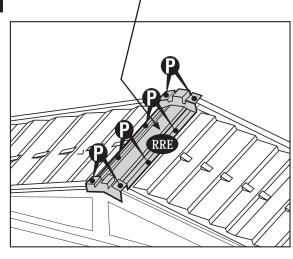


Remove this Ridge cover.

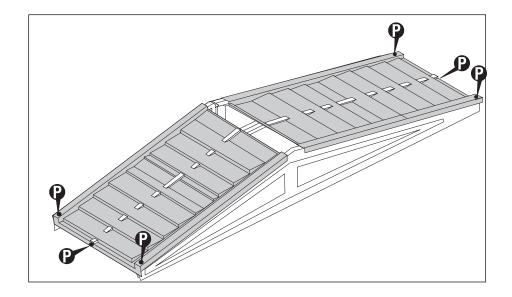
1. Remove the ridge cover (RRE) from the shed . See the figure.



Use a drilling machine to remove the pins and plugs from the ridge cover, roof panel and facia panel. Care should be taken not to damage the panels. Extra pins, plugs and washers are available in the accessory box.

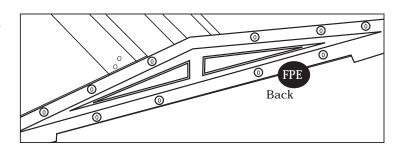


2. Remove the left and right roof panels. See the figure.





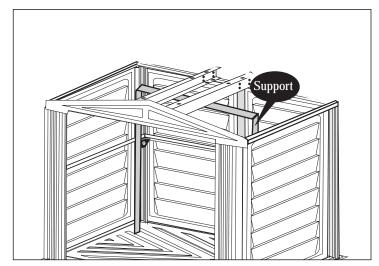
3. Remove the roof plugs and pins from backside facia panel and detach it from the shed.



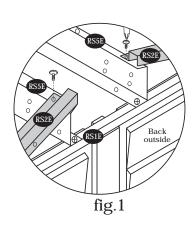
 $4. \ \mbox{Support the roof structure (RS5E)}$  by using an appropriate support to avoid the roof structure from collapsing.

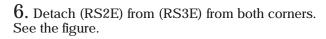


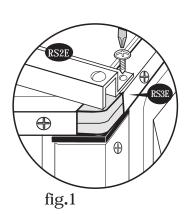
Support not included.

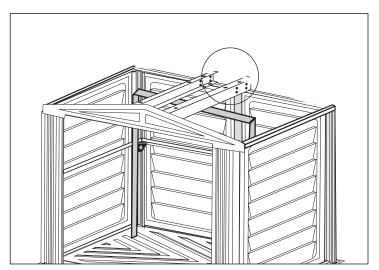


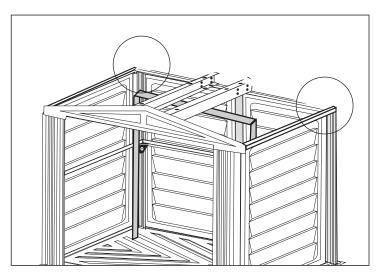
**5.** Detach back side (RS2E) from (RS5E). See the figure.





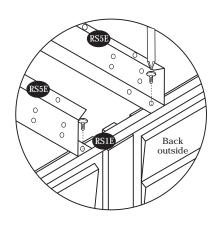




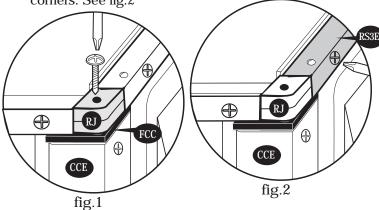




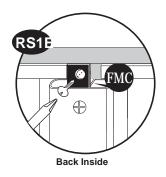
### $7. \ \mathsf{Detach} \ (\mathsf{RS5E}) \ \mathsf{from} \ (\mathsf{RS1E}).$



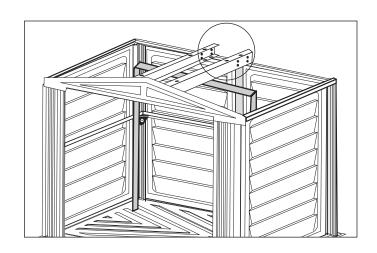
**8.** Detach 90 degree joint (RJ) from corner column fitting (FCC) from both corners. See fig.1. Detach 90 degree joint (RJ) from (RS3E) from both corners. See fig.2

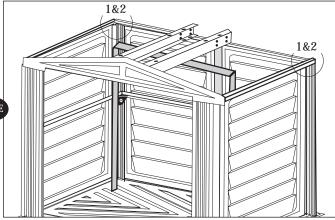


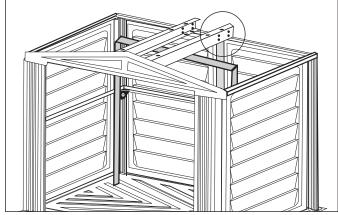
 $9.\ \mbox{Detach}$  the middle column fitting (FMC) from roof structure (RS1E). See fig.

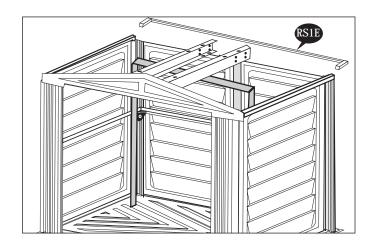


 $10. \ \mbox{Pull back the roof structure (RS1E) with 90 degree joint (RJ). See fig.$ 









11. Detach the center band (CB2B) from the back wall of the shed. Follow the fig.

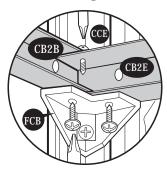


Fig.1: Detach (CB2B) from (CB2E). Then detach (CB2B) & (CB2E) from (FCB).

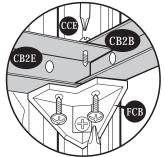
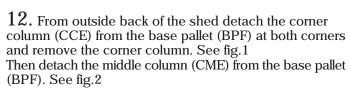


Fig.2: Detach (CB2B) from (CB2E). Then detach (CB2B) & (CB2E) from (FCB).



Fig.3: Detach (CB2B) from (CME).



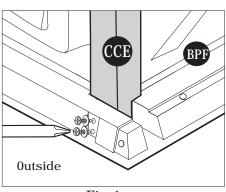


Fig.1

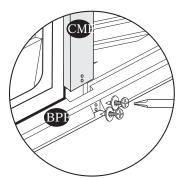


Fig.2

- 13. Remove the back side panel and column from the base pallet. See fig.
- **14.** Come back to 5.2' x 2.6' extension kit manual (PART 1) and follow the steps accordingly.

