

NOTE: PLEASE REFER TO THE ATTACHED CERTIFICATE AND DRAWING FOR THE CORRECT QUANTITIES OF SNOW FRAMES FOR YOUR SHED

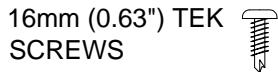
Absco Snow Support Frame

Model: SNOW3018

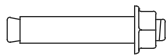
PORTAL FRAME ASSEMBLY

QTY DESCRIPTION

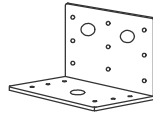
- 2 GALVANISED CHANNEL 1704 LONG (PART C1704)
- 2 GALVANISED CHANNEL 1482 LONG (PART C1482)
- 2 KNEE PLATE
- 2 APEX PLATE
- 2 RIDGE PLATE
- 2 MULTI PURPOSE BRACKETS
- 150 16mm (0.63") SELF DRILLING TEK SCREWS
- 4 10mm (0.39") DYNABOLTS



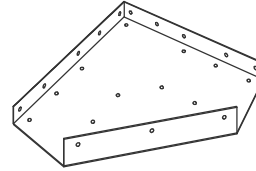
16mm (0.63") TEK SCREWS



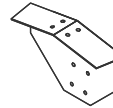
DYNABOLT



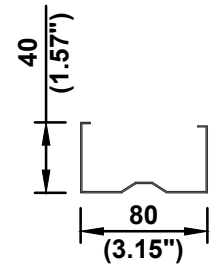
MULTI PURPOSE BRACKET



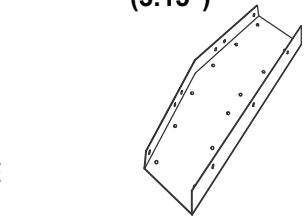
KNEE PLATE



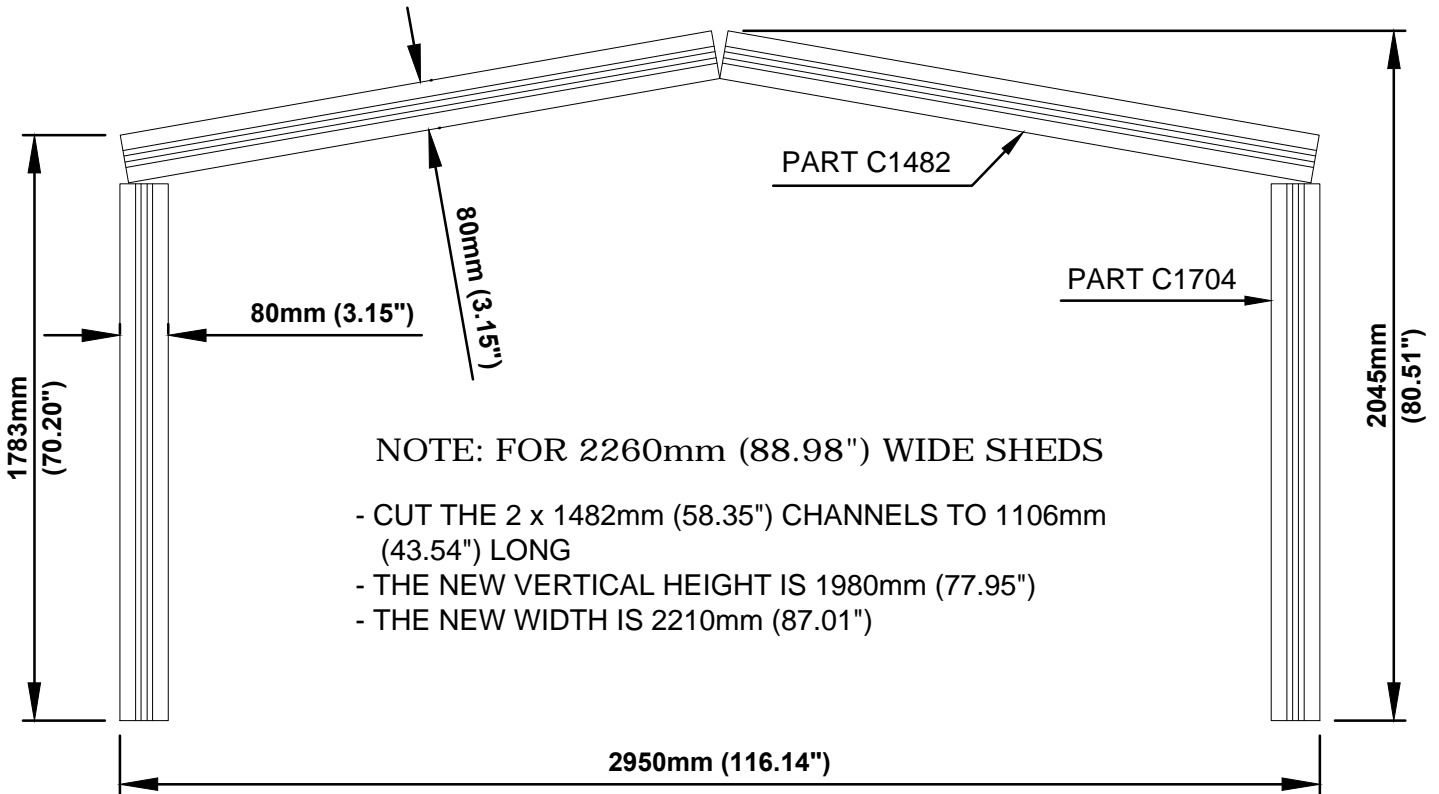
RIDGE PLATE (RBP)



GALVANISED CHANNEL



APEX PLATE



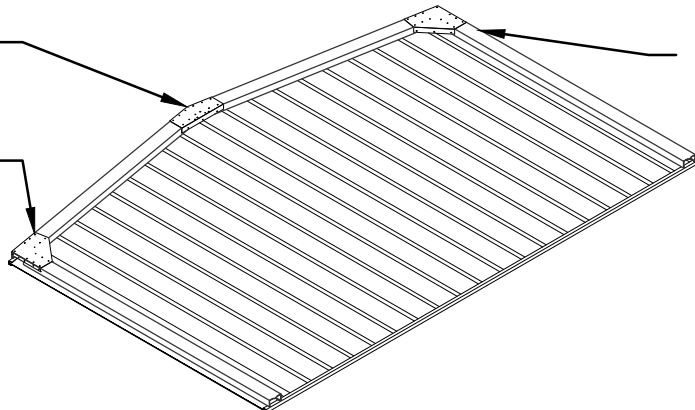
NOTE: FOR 2260mm (88.98") WIDE SHEDS

- CUT THE 2 x 1482mm (58.35") CHANNELS TO 1106mm (43.54") LONG
- THE NEW VERTICAL HEIGHT IS 1980mm (77.95")
- THE NEW WIDTH IS 2210mm (87.01")

2 x APEX PLATES

1 x KNEE PLATE

1 x KNEE PLATE

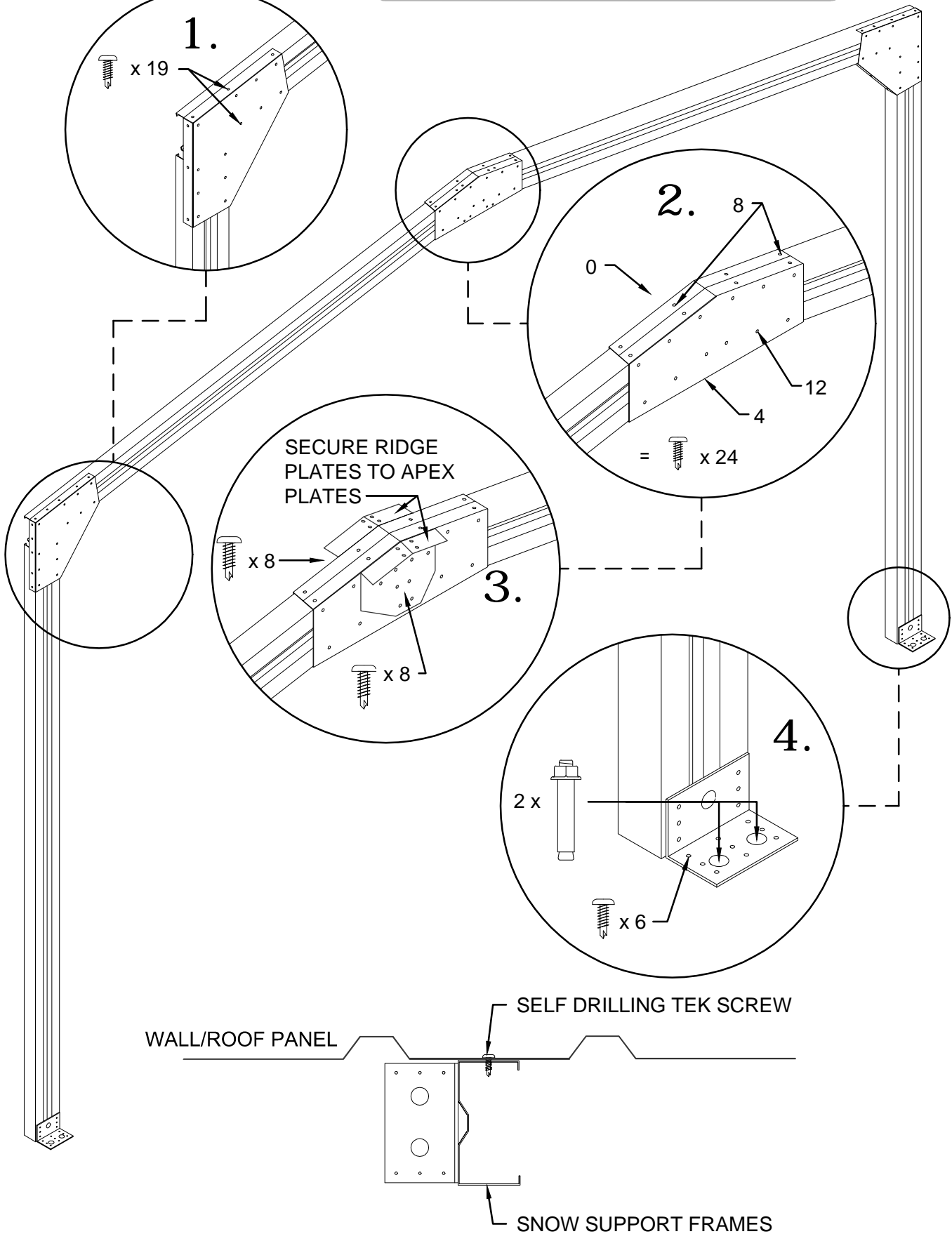


NOTE: IF THE GARDEN SHED IS ALREADY BUILT, ASSEMBLE THE SNOW FRAME ON THE GROUND, INSIDE THE GARDEN SHED, THEN LIFT INTO POSITION AND SECURE AS DETAILED ON PAGE 4 OR 5.

Absco Snow Support Frame

Model: SNOW3018

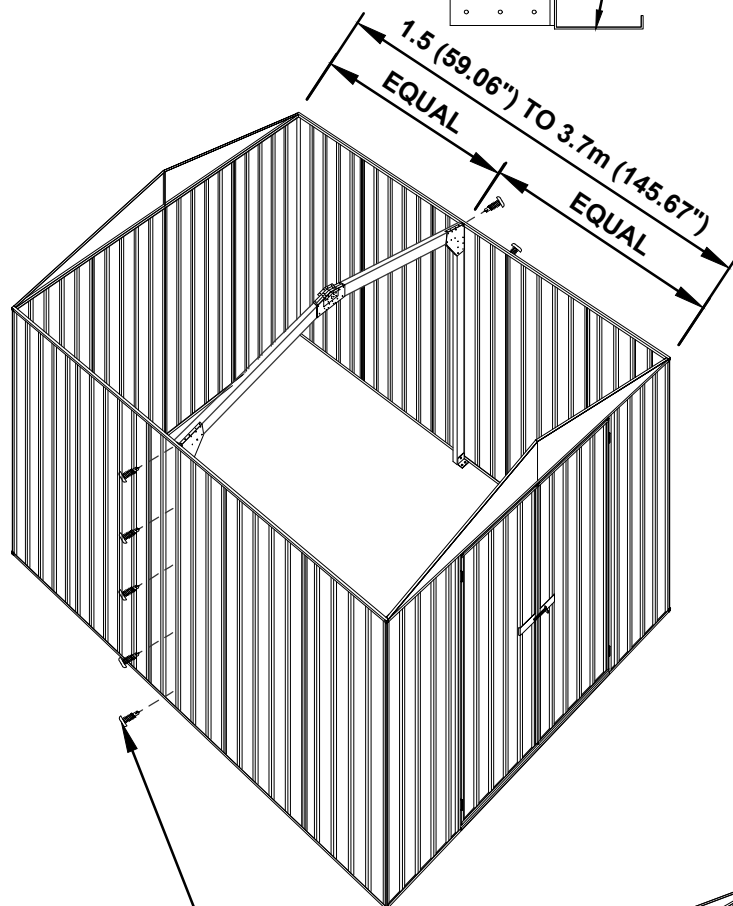
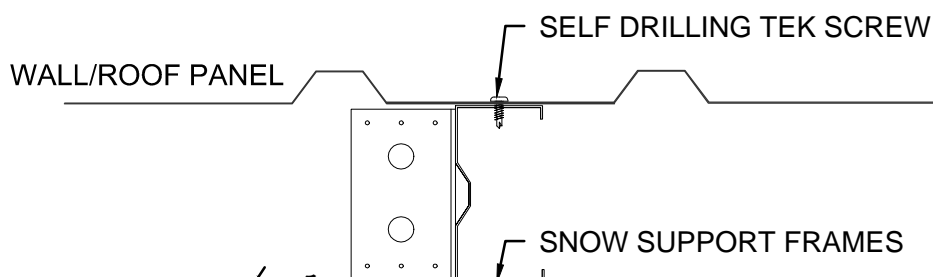
SNOW SUPPORT FRAME ASSEMBLY



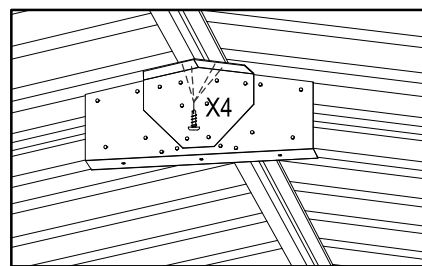
Absco Snow Support Frame

Model: SNOW3018

SNOW SUPPORT FRAME INSTALLATION

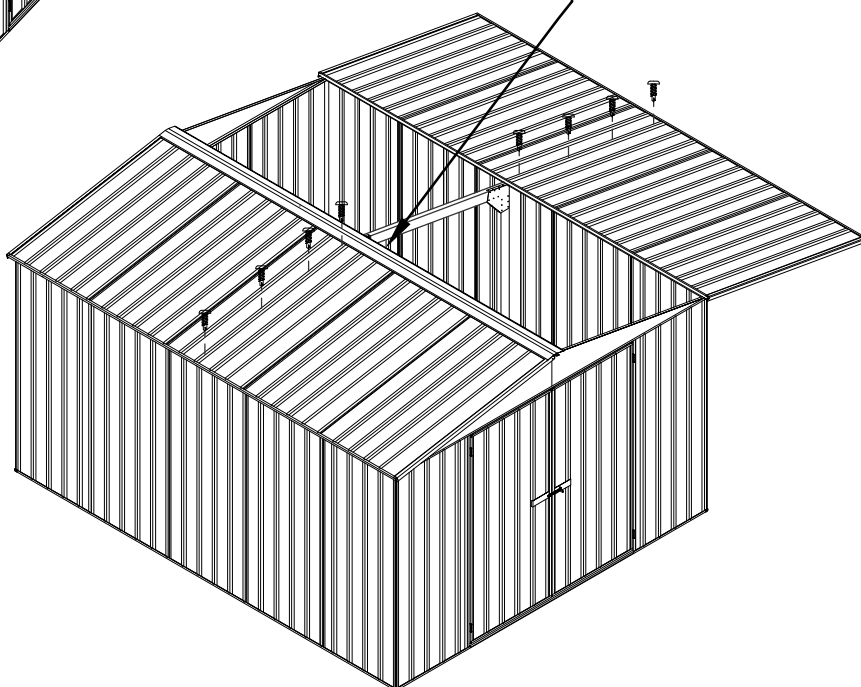


SECURE EACH RIDGE BEAM TO EACH RIDGE PLATE WITH 4 X 16mm (0.63") SELF DRILLING TEK SCREWS.



USE 16mm (0.63") SELF DRILLING SCREWS TO SECURE WALLS TO CENTRE FRAME

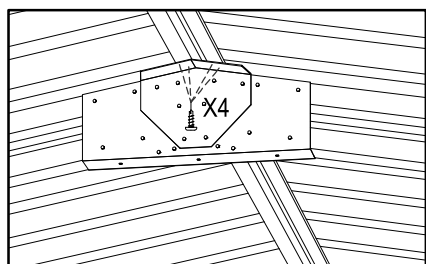
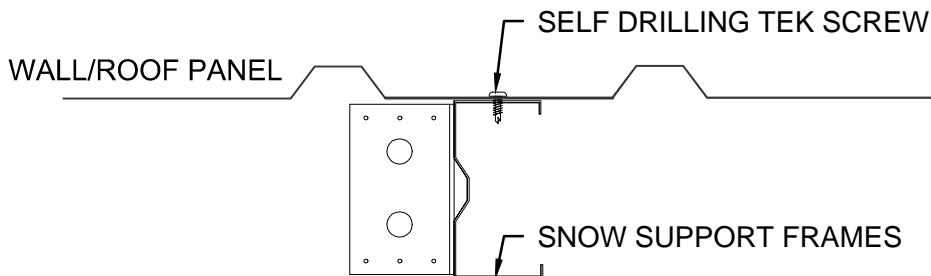
NOTE: PLEASE REFER TO THE ATTACHED CERTIFICATE AND DRAWING FOR THE CORRECT QUANTITIES OF SNOW FRAMES FOR YOUR SHED



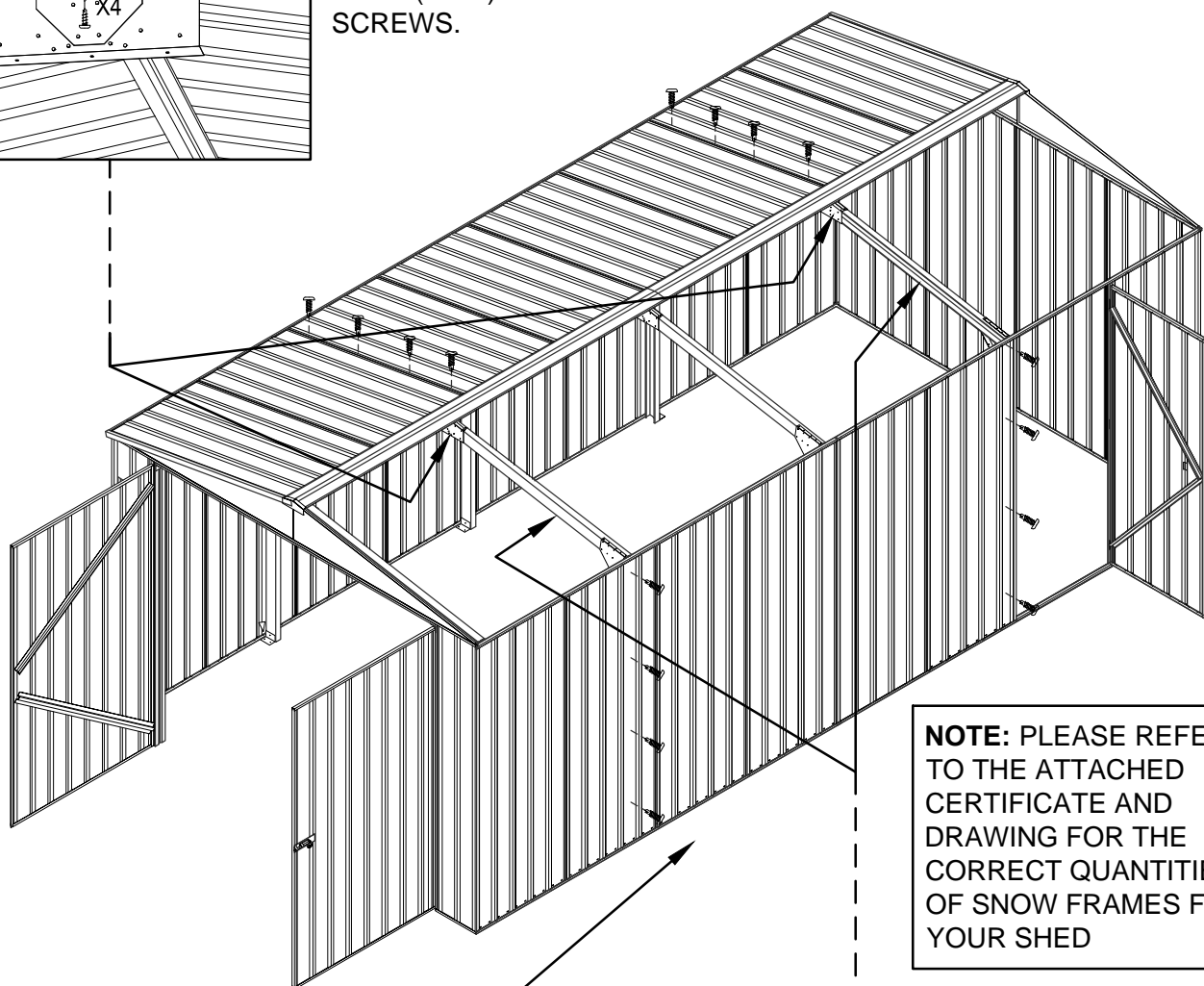
Absco Snow Support Frame

Model: SNOW3018

SNOW SUPPORT FRAME INSTALLATION MODELS: 4.5m & 6m long



SECURE EACH RIDGE BEAM TO EACH RIDGE PLATE WITH 4 X 16mm (0.63") SELF DRILLING TEK SCREWS.



NOTE: PLEASE REFER TO THE ATTACHED CERTIFICATE AND DRAWING FOR THE CORRECT QUANTITIES OF SNOW FRAMES FOR YOUR SHED

USE 16mm (0.63") SELF DRILLING SCREWS TO SECURE WALLS TO CENTRE FRAME

EQUALLY POSITION TWO SNOW SUPPORT FRAMES AS SHOWN.



ABSCO SNOW3018 SNOW SUPPORT FRAME ASSEMBLY ASSEMBLY SUPPORT PHOTOGRAPHS

REFER TO THESE PHOTOS AS YOU FOLLOW THE ASSEMBLY
PROCESS OF THE SNOW SUPPORT FRAME AS DETAILED IN
YOUR ABSCO ASSEMBLY INSTRUCTIONS

**STEP 1A, B, C: Draw pattern on concrete, in accordance
with the dimensions detailed in the
assembly instruction.**

**STEP 2A, B, C: Understand where components are to be
positioned**

STEP 3A, B, C: Join C1482 to C1704

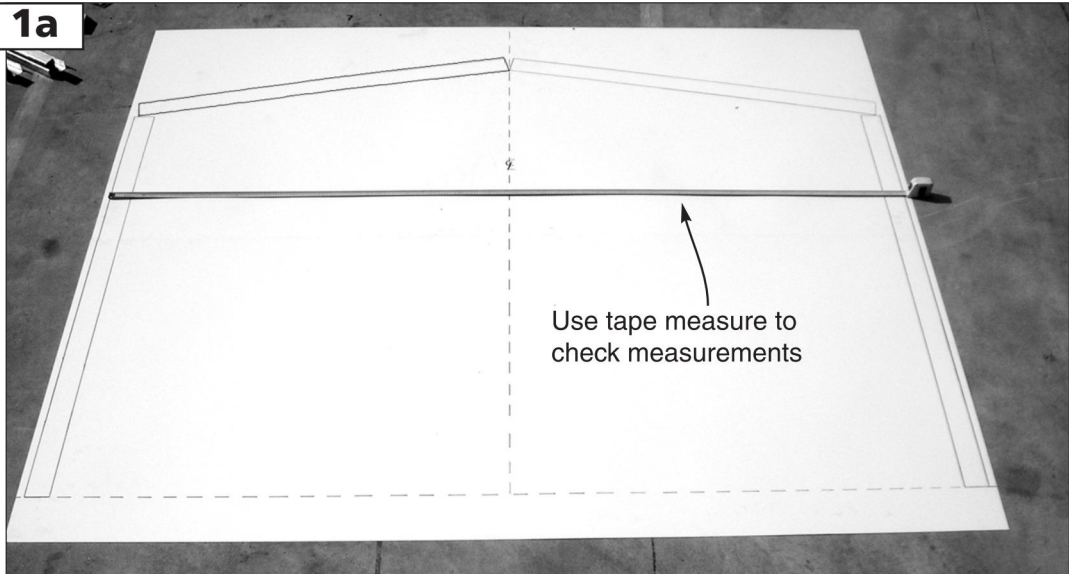
STEP 4A, B, C: Join C1482 to C1482

STEP 5A, B: Secure ridge plate (RBP)

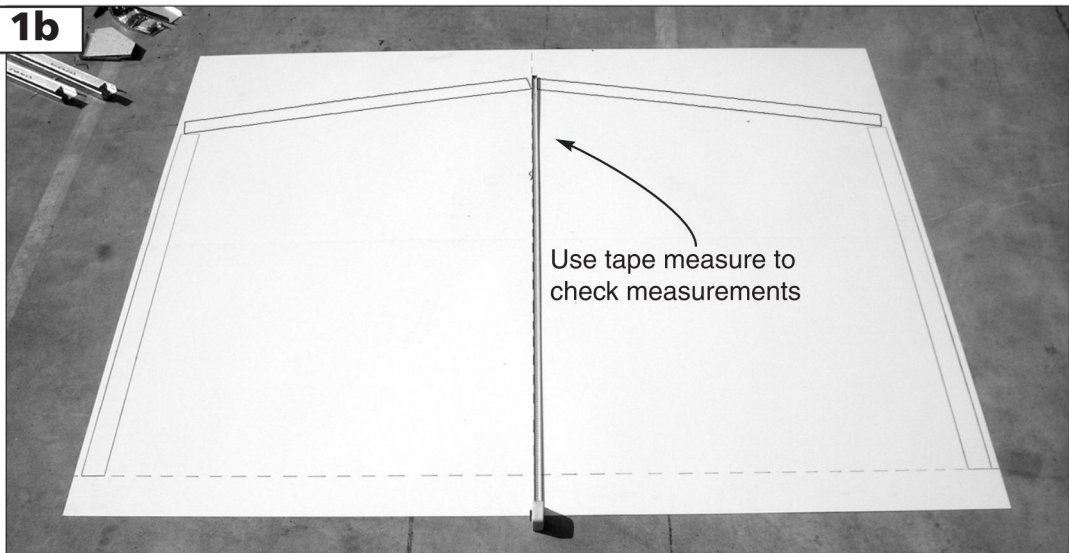
STEP 6A, B: Secure multi purpose brackets

STEP 7A, B, C, D: Turn frame over, repeat steps 4,5

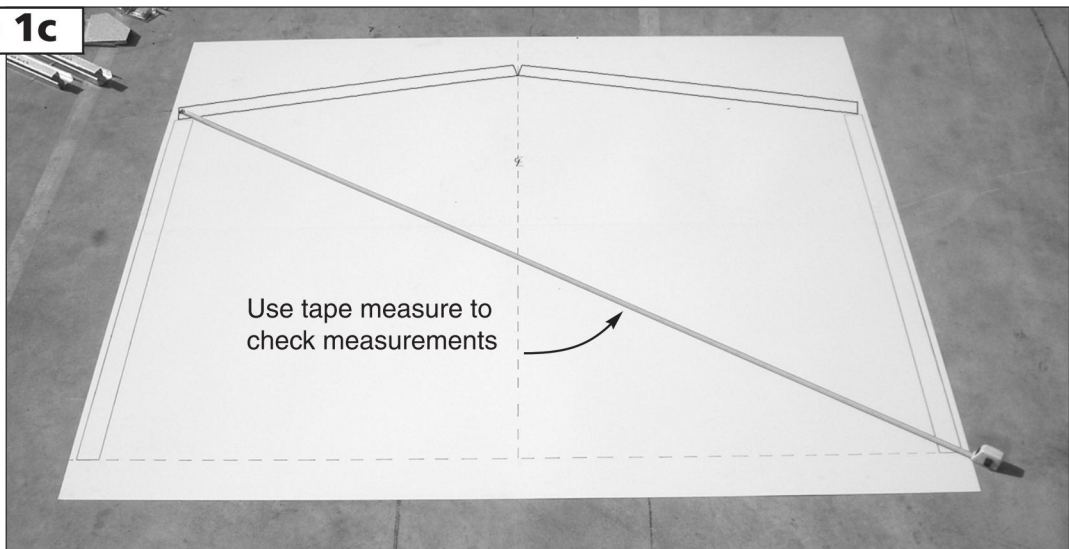
Step 1a



Step 1b



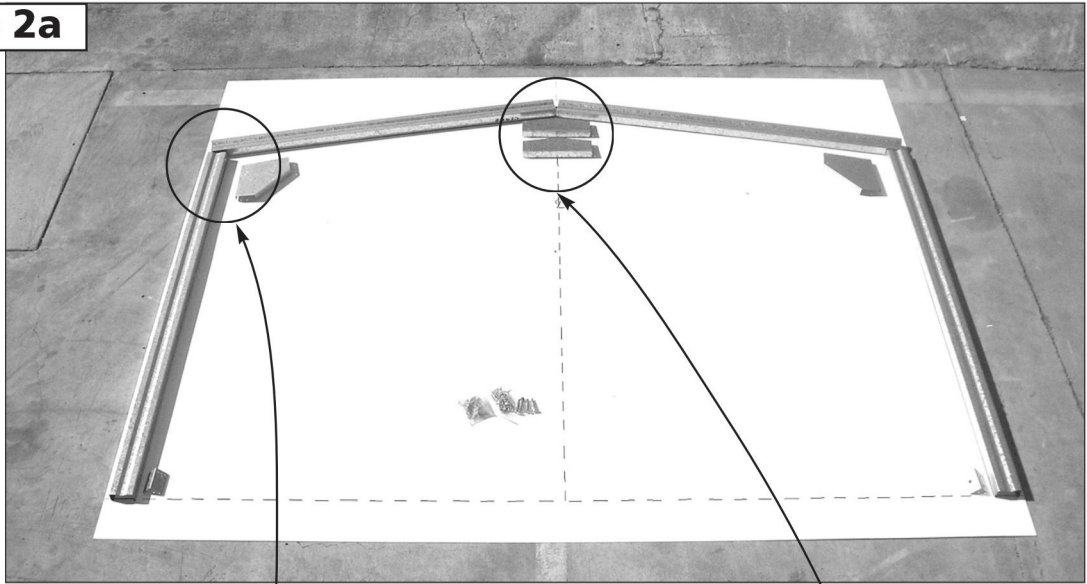
Step 1c



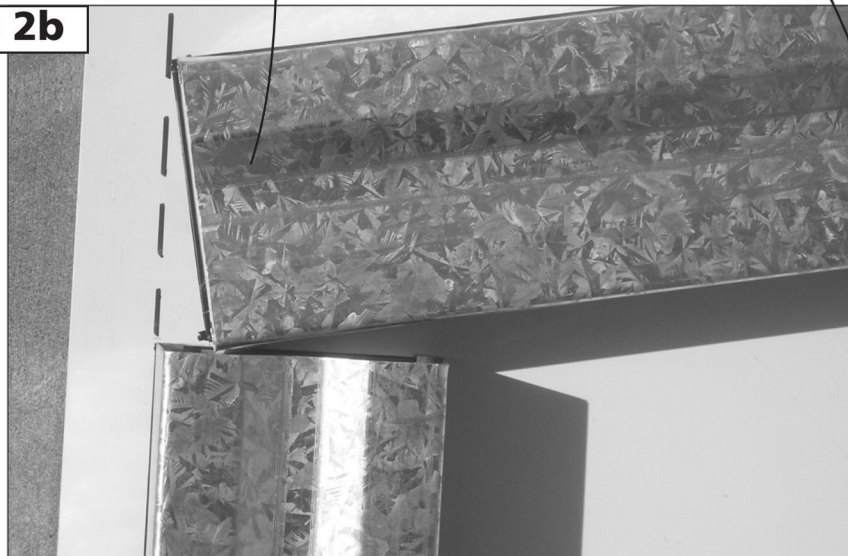
Absco Snow Support Frame

Model: SNOW3018

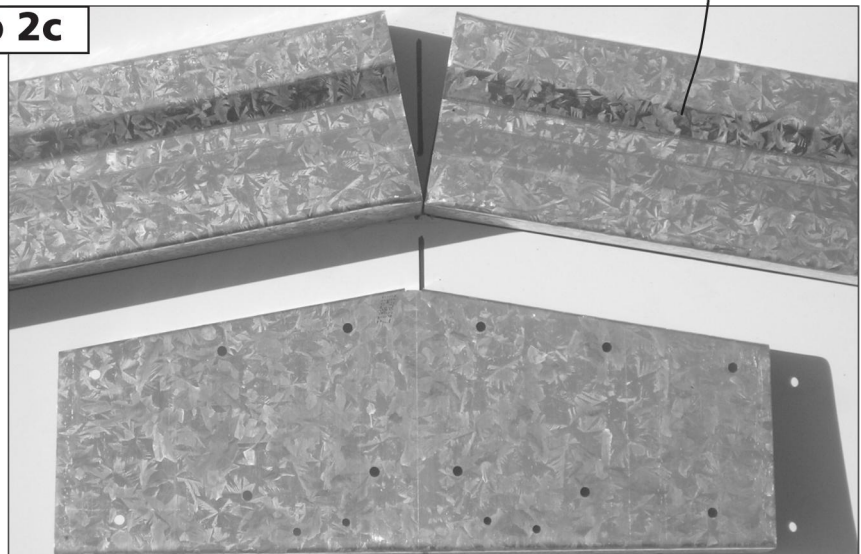
Step 2a



Step 2b



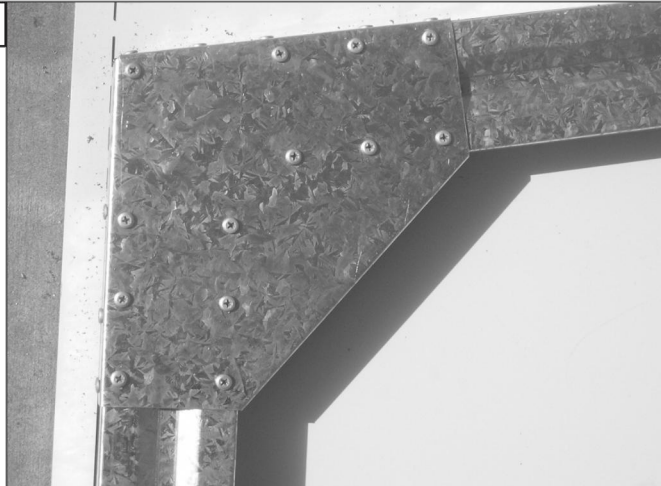
Step 2c



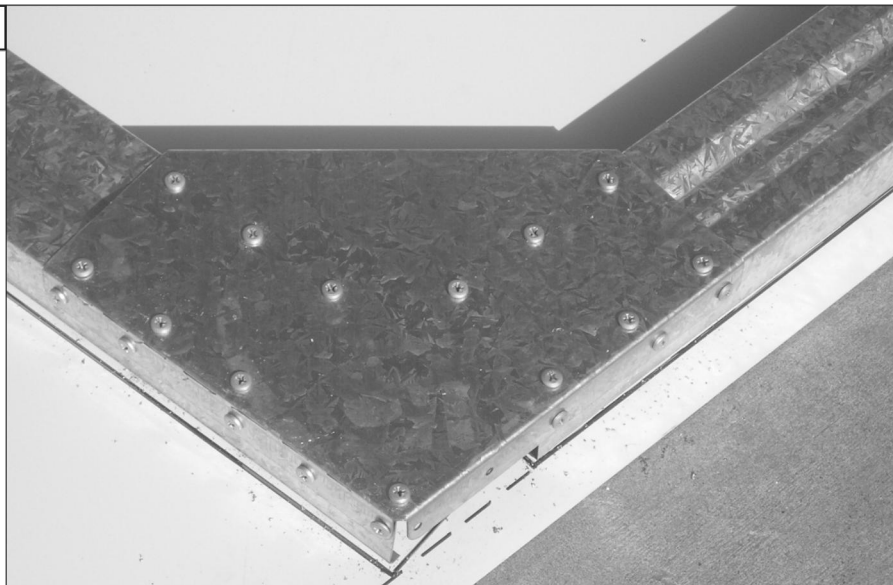
Step 3a



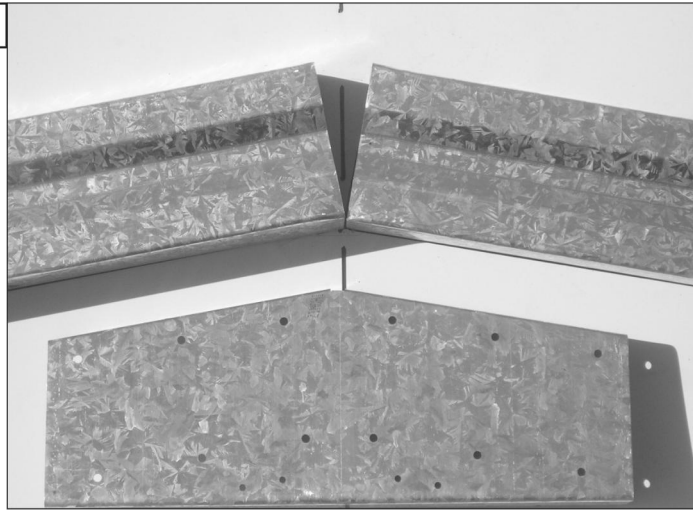
Step 3b



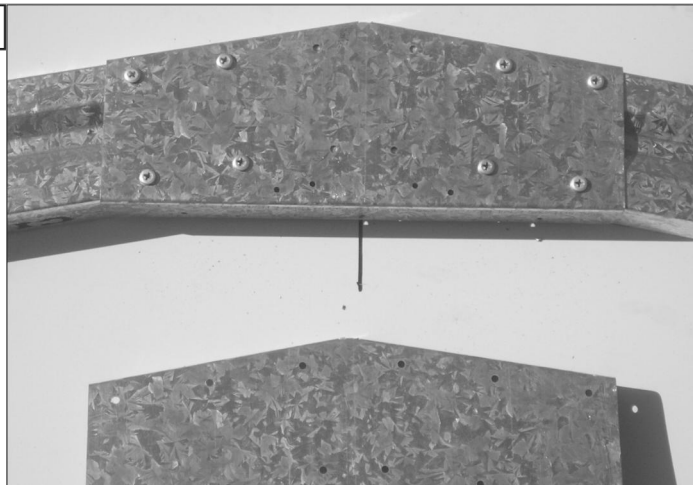
Step 3c



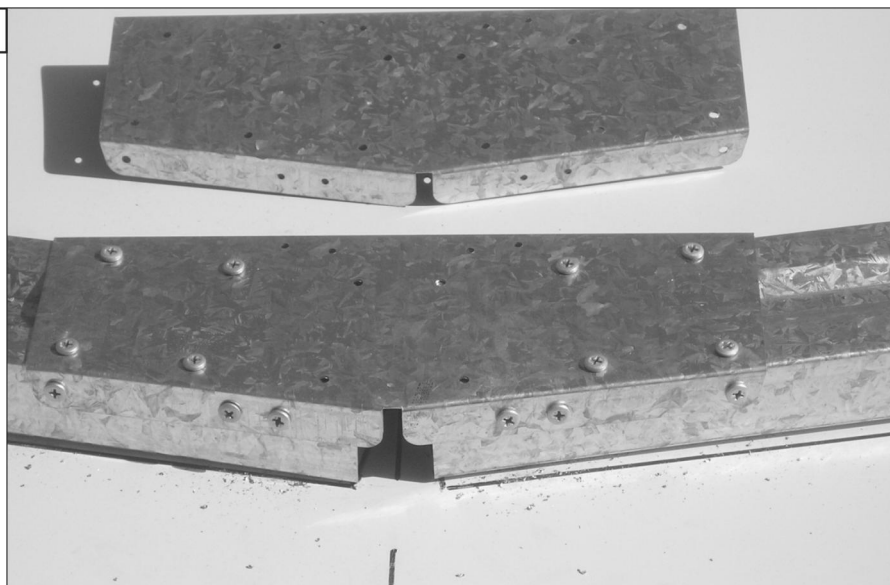
Step 4a



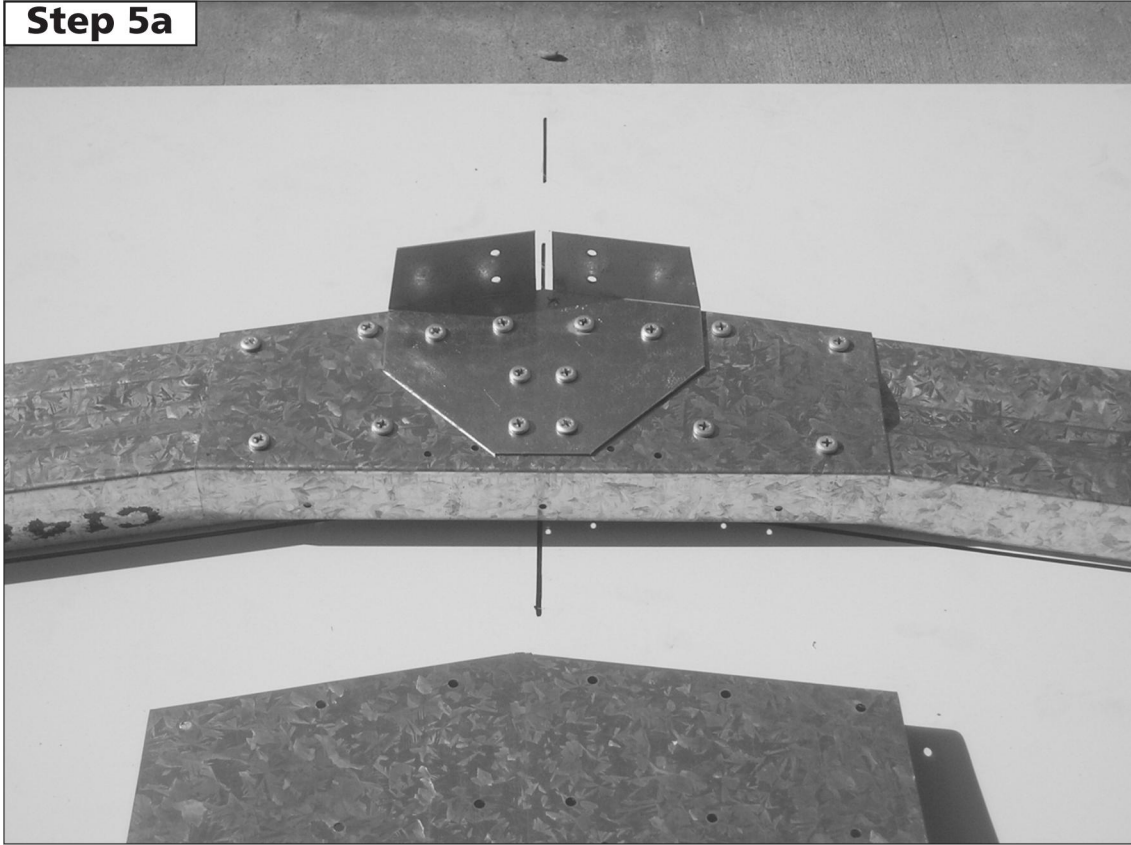
Step 4b



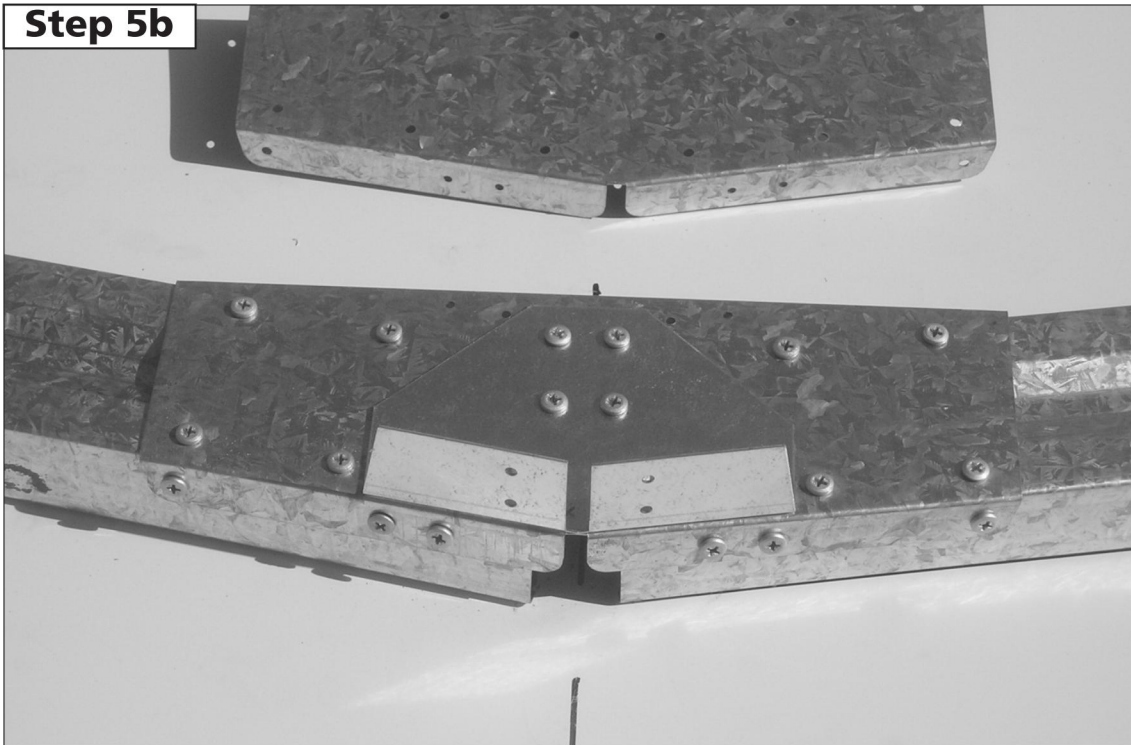
Step 4c



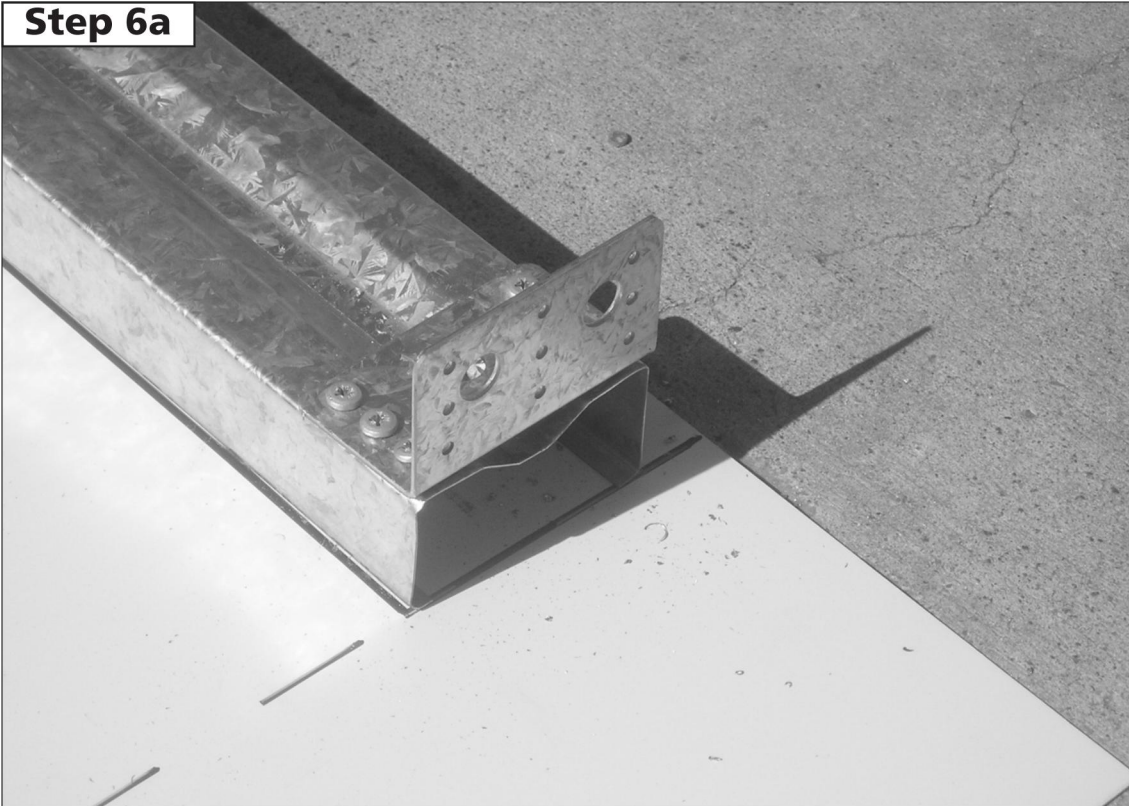
Step 5a



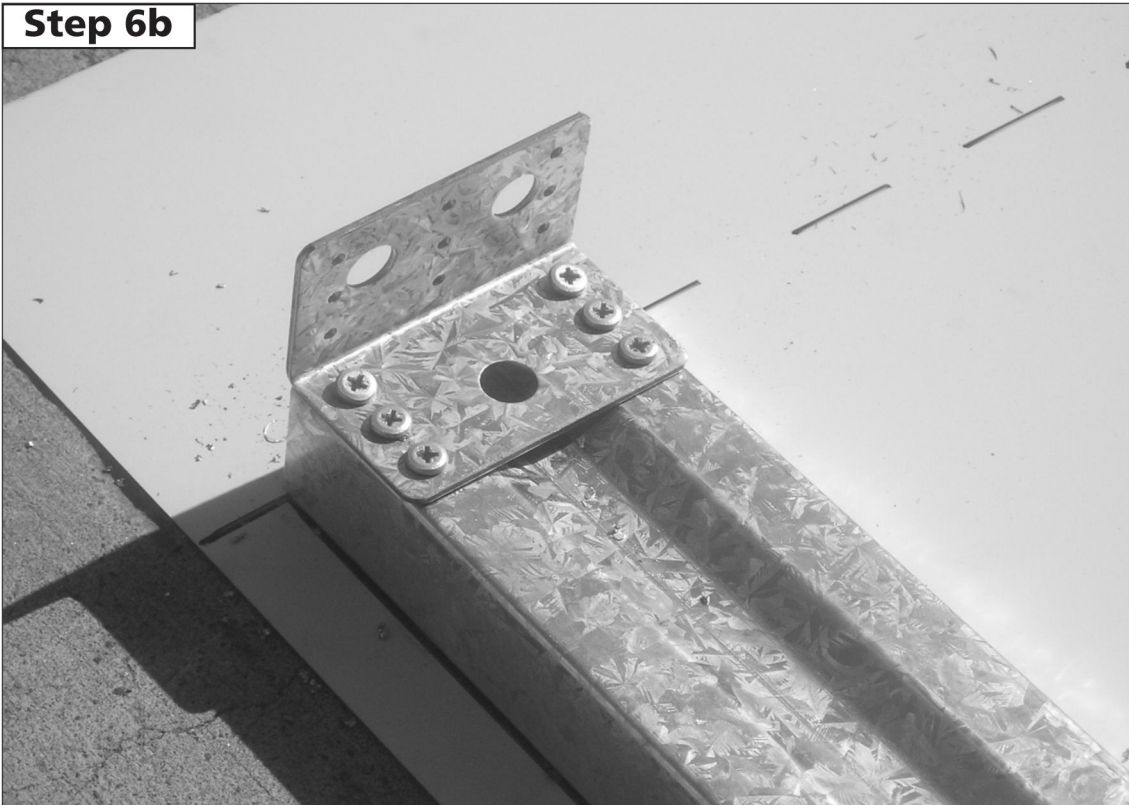
Step 5b



Step 6a

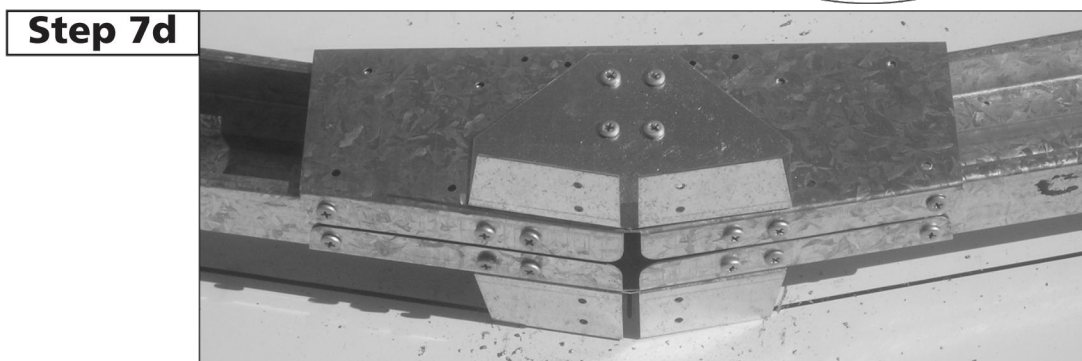
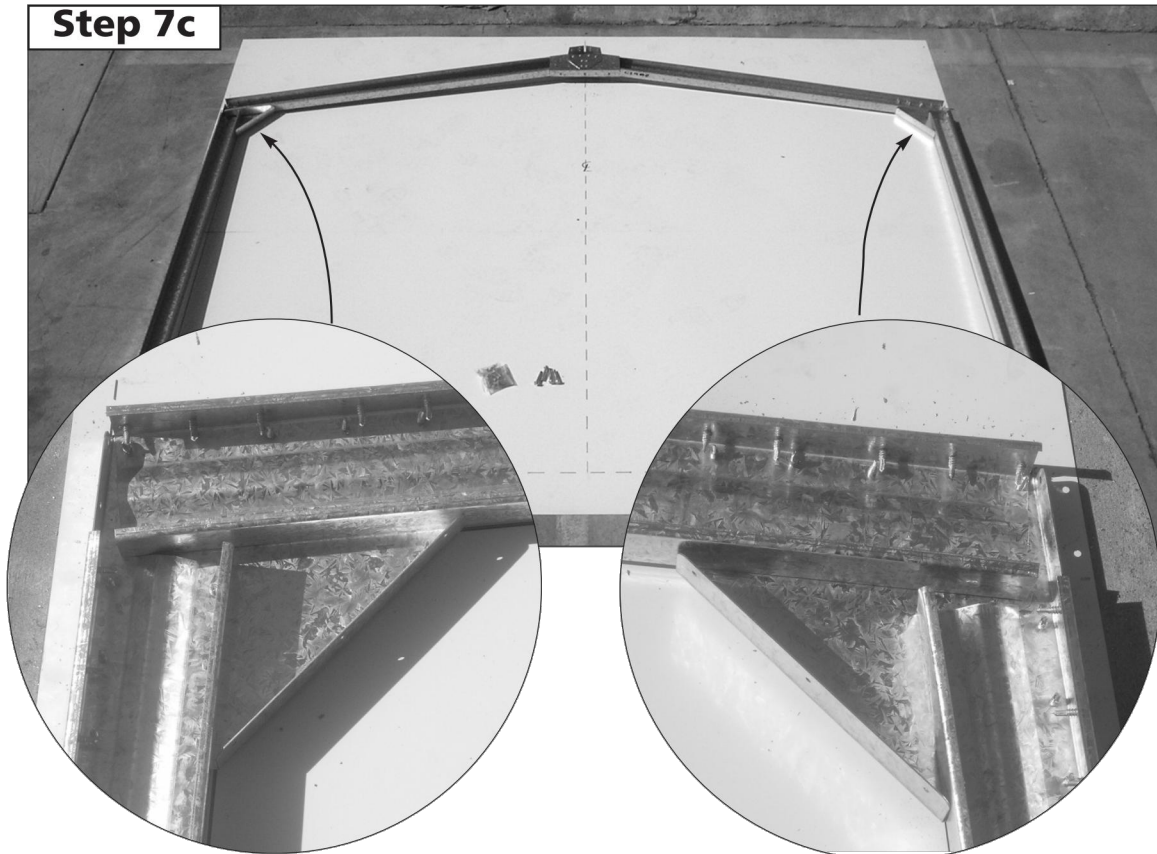
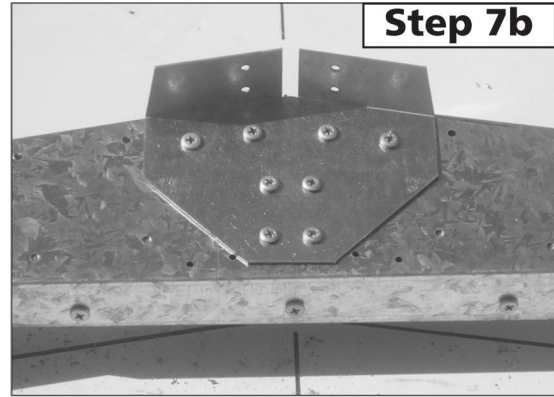
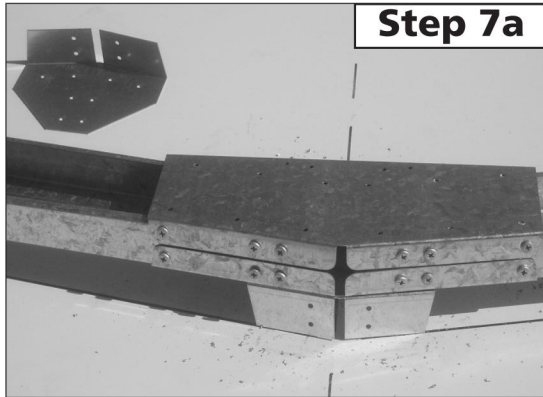


Step 6b



Absco Snow Support Frame

Model: SNOW3018



SNOW WARNING

In areas where snow falls occur **YOU MUST ANCHOR** the shed to a solid foundation (concrete is recommended), in accordance with the chart below.

ABSCO QUALITY STEEL SHEDS are designed to handle light snow falls ONLY, up to 10 lbs/ft2 e.g.

Equivalent inches of snow	Snow Weight
38.4 inches of light/dry snow	10 lbs/ft2
5.8 inches of heavy/wet snow	10 lbs/ft2
2.1 inches of ice	10 lbs/ft2

In heavy snow fall areas you must install ABSCO SNOW BRACING KITS SNOW3018

The following charts indicate the number of anchors and Snow Frame bracing kits required.

Model Number	Anchors required	*Maximum Number of Snow Braces Required	Door Bridging Kit
23221RK	12	3	0
30222DK	14	8	0
30292RK	14	8	0
30372RK	16	12	0
45232WK	16	10	1

***Please refer to the attached Snow Table for the number of Snow braces required for your local snow fall area.**

WARNINGS:

A. DO NOT OPEN THE SHED DOOR IF THERE IS SNOW ON THE ROOF OF THE SHED. OPENING THE DOOR WILL REDUCE THE STRUCTURAL INTEGRITY OF THE SHED.

B. REMOVE THE SNOW FROM THE ROOF BEFORE OPENING THE SHED DOOR.

C. AS SOON AS THERE IS SNOW ON THE SHED ROOF, REMOVE THE SNOW AS SOON AS POSSIBLE TO AVOID FURTHER SNOW BUILD UP.

DISCLAIMER:

The snow load table has been prepared from load tests carried out in ABSCO INDUSTRIES. Bags of weight were used to simulate the weight of snow and the sheds were assembled in accordance with instructions supplied by ABSCO. The ABSCO snow frames were also fitted in accordance with instructions supplied by ABSCO INDUSTRIES. The ABSCO sheds were erected and anchored to a level concrete slab in accordance with the ABSCO ASSEMBLY Instructions provided with the sheds. The calculations shown in the tables should be used as a guide only, as ABSCO INDUSTRIES and Fernandes & Associates Pty. Ltd. accepts no responsibility, nor offers any warranty or guarantee for snow damage to your ABSCO Shed or its contents.



Fernandes & Associates Pty Ltd

Consulting Mechanical & Structural Engineers
 ABN: 56 059 624 565

21st July 2010

Engineering Certificate

We certify that the snow load table below was prepared from load tests carried out at ABSCO INDUSTRIES and by theoretical analysis. These tests were carried out on ABSCO Sheds assembled and erected in accordance with instructions provided by ABSCO.

These tests did not account for wind loads, and it would be expected that wind loads would lower the snow loading capacity of the sheds. This table is valid for sheds with ABSCO snow frames equally spaced inside the sheds, with the doors closed and with a maximum gable height of 2.3 meters (7.55 ft).

Shed Roof Area		Vertical Loads on Roof with Additional Snow Frames																								
		No Frame		1 Frame		2 Frames		3 Frames		4 Frames		5 Frames		6 Frames		8 Frames		10 Frames		12 Frames		14 Frames		16 Frames		
m2	ft2	kg/m2	lbs/ft2	kg/m2	lbs/ft2	kg/m2	lbs/ft2	kg/m2	lbs/ft2	kg/m2	lbs/ft2	kg/m2	lbs/ft2	kg/m2	lbs/ft2	kg/m2	lbs/ft2	kg/m2	lbs/ft2	kg/m2	lbs/ft2	kg/m2	lbs/ft2	kg/m2	lbs/ft2	
1.2	12.9	293.5	60.1																							
2.3	24.8	306.9	62.8																							
5.3	57.0	91.2	18.7	148.5	30.4	222.8	45.6	297.1	60.8																	
9.0	96.9	47.4	9.7	NA	97.8	20.0	130.4	26.6	163.0	33.3	195.6	40.0	228.1	46.6	293.9	60.1										
13.5	145.2	43.5	8.9	NA	86.9	17.7	NA	NA	130.4	26.6	NA	NA	173.8	35.5	217.3	44.3	260.8	53.2	304.3	62.1						
18.0	193.8	33.0	6.8	NA	66.1	13.5	NA	NA	99.1	20.3	NA	NA	132.2	27.0	165.1	33.8	198.2	40.5	231.2	47.3	264.3	54.0	297.3	60.1		

ABSCO GARDEN SHEDS – SNOW LOAD TABLES

Milton Fernandes
 B.Sc. Eng. (Hons), MEngSc. MIEAust, RPEQ
 Chartered Professional Engineer

Note: Refer to page 2 for snow load guide, warnings and disclaimer.



The following table should be used as a guide only, as the weight and depth of snow will vary according to the density of the snow.

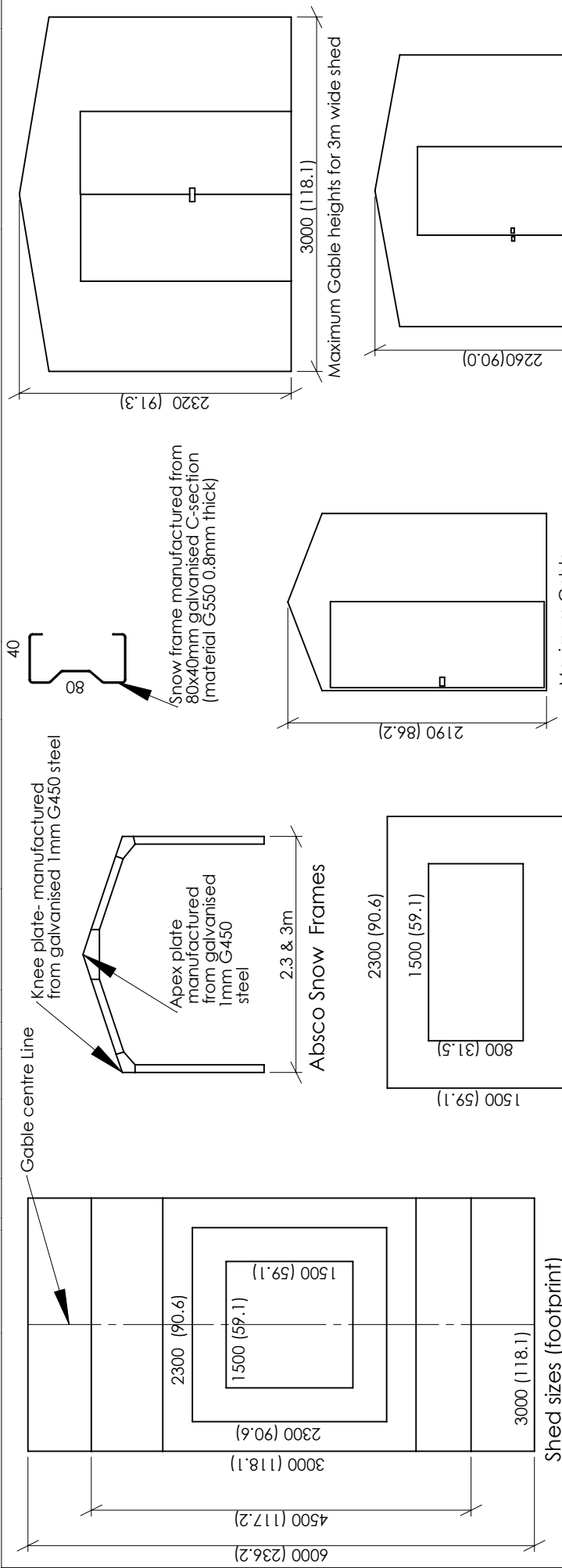
Snow weight	Equivalent inches of snow
10 lbs/ft ²	38.4 inches of light/dry snow
10 lbs/ft ²	5.8 inches of heavy/wet snow
10 lbs/ft ²	2.1 inches of ice

WARNINGS:

- A. DO NOT OPEN THE SHED DOOR IF THERE IS SNOW ON THE ROOF OF THE SHED. OPENING THE DOOR WILL REDUCE THE STRUCTURAL INTEGRITY OF THE SHED.
- B. REMOVE THE SNOW FROM THE ROOF BEFORE OPENING THE SHED DOOR.
- C. AS SOON AS THERE IS SNOW ON THE SHED ROOF, REMOVE THE SNOW AS SOON AS POSSIBLE TO AVOID FURTHER SNOW BUILD UP.

DISCLAIMER:

The snow load table on page 1 has been prepared from load tests carried out in ABSCO INDUSTRIES. Bags of weight were used to simulate the weight of snow and the sheds were assembled in accordance with instructions supplied by ABSCO. The ABSCO snow frames were also fitted in accordance with instructions supplied by ABSCO INDUSTRIES. The ABSCO sheds were erected and anchored to a level concrete slab in accordance with the ABSCO ASSEMBLY Instructions provided with the sheds. The calculations shown in the tables should be used as a guide only, as ABSCO INDUSTRIES and Fernandes & Associates Pty. Ltd. accepts no responsibility, nor offers any warranty or guarantee for snow damage to your ABSCO Shed or its contents.



Appvd: **Milton Fernandes**
 B.Sc. (Hons), MEngSc., MIEAust, RPEQ
 Chartered Professional Engineer

Vertical Loads on Shed Roof with Additional Snow Frames

Shed roof area	No Frame		1 Frame		2 Frames		3 Frames		4 Frames		5 Frames		6 Frames		8 Frames		10 Frames		12 Frames		14 Frames		16 Frames		
	kg/m2	lbs/ft2	kg/m2	lbs/ft2	kg/m2	lbs/ft2	kg/m2	lbs/ft2	kg/m2	lbs/ft2	kg/m2	lbs/ft2	kg/m2	lbs/ft2	kg/m2	lbs/ft2	kg/m2	lbs/ft2	kg/m2	lbs/ft2	kg/m2	lbs/ft2	kg/m2	lbs/ft2	
m2																									
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13.5	145.2	43.5	8.9	NA	NA	86.9	17.7	NA	NA	130.4	26.6	NA	NA	173.8	35.5	217.3	44.3	260.8	53.2	304.3	62.1				
18.0	193.8	33.0	6.8	NA	NA	66.1	13.5	NA	NA	99.1	20.3	NA	NA	132.2	27.0	165.1	33.8	198.2	40.5	231.2	47.3	264.3	54.0	297.3	60.1

Scale: N.T.S. Dimensions in mm and inches
Do not scale drawings

Absco Industries

Absco Sheds

Consulting Engineers: **Fernandes & Associates P/L**
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 The Mews Commercial, Unit 1/141 Campbell St.
 Bowen Hills Qld 4006 Tel: 61 7 3852 1371

Snow Load Details

1	New - ISSUED FOR USE.	MJF	MJF	24July10
Rev.	Description	Drawn	APPVD	Date

Dwg. No. FA-AI-382 Sheet 1 Rev. 1