FOOTINGS:
WHERE NO CONCRETE SLAB IS PROPOSED, CONCRETE FOOTINGS WITH DIMENSIONS SHOWN ON THIS PAGE MAY BE USED.

FOOTING DIMENSIONS:
W33 - 650 SQUARE x 550 DEEP
W41 - 800 SQUARE x 600 DEEP

WIND LOADINGS OF: W33/41

CONCRETE SLAB:
(SLAB SIZE 5500 x 5500 - REFER TO ENGINEER’S DRAWINGS ATTACHED)

Absco Industries
Skillion Carport Model: CPDW33-41

DOUBLE CARPORT-SKILLION ROOF
SITE PREPARATION

- Local council approval must be obtained prior to construction of the carport. Once you have selected your site you will need to create and lodge a site plan to your local council or certifier. You will also have to attach a copy of the engineering drawings at the back of these instructions to your site plan.

- The site for the carport must be level, refer to concrete and foundation notes on engineers drawing 06205-003-CP03.

GENERAL INSTRUCTIONS

- Before commencing any assembly, read through these instructions and engineers drawings in detail to gain a thorough understanding of assembly methods and associated details.

- Some components have been pre-punched. Some 10mm holes will still have to be drilled. It may be easier to drill a small pilot hole first.

- Measure, and check off all components using the parts lists on the following pages prior to commencement. To prevent damage in transit, some components may be packed inside others, almost hidden. Carefully examine inside each component to ensure that you have located every item. If a discrepancy is found, contact Absco industries immediately.

TOOLS REQUIRED

- SPIRIT LEVEL
- SPANNERS
- 10mm MASONARY DRILL BIT
- TAPE MEASURE
- CLAMP OR VICE GRIPS
- HACKSAW
- 10mm DRILL BIT AND MASONRY DRILL BIT

A NOTE ON SAFETY

- Some parts may have sharp edges. It is advisable to wear gloves when handling these items and safety glasses if drilling holes. Sensible shoes are highly recommended.

- It is highly recommended to erect the carport with at least two or more people.
### Components Packing List - Check Off All Components

<table>
<thead>
<tr>
<th>QTY</th>
<th>Component Description</th>
<th>Part No.</th>
<th>Check</th>
<th>QTY</th>
<th>Component Description</th>
<th>Part No.</th>
<th>Check</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>Edge Beam Right Hand L = 2750</td>
<td>EBRH</td>
<td></td>
<td>4</td>
<td>Edge Beam Left Hand L = 2750</td>
<td>EBLH</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Cross Beam L = 2610</td>
<td>CB</td>
<td></td>
<td>4</td>
<td>Edge Beam Splice Plate L = 608</td>
<td>EBSP</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Column Top Bracket Left Hand</td>
<td>CTBLH</td>
<td></td>
<td>4</td>
<td>Cross Beam Splice Plate L = 608</td>
<td>CBSP</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>30 x 30 Angle Roof Brace L = 1100</td>
<td>ARB</td>
<td></td>
<td>4</td>
<td>Cross Beam L = 2675</td>
<td>CB</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>65 x 65 Steel Column L = 2200</td>
<td>RHS</td>
<td></td>
<td>2</td>
<td>Column Top Bracket Right Hand</td>
<td>CTBRH</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>65 x 65 Steel Column L = 2250</td>
<td>RHS</td>
<td>16</td>
<td></td>
<td>Steel Sheet L = 2820</td>
<td>SHEET</td>
<td></td>
</tr>
</tbody>
</table>

**Bend Column Top Brackets (CTBLH & CTBRH)**

Bend each column top bracket along the slotted centre line, simply by holding the brackets at points A & B as shown.

Apply sufficient pressure to form a 90 degree angle along the bend line.

Ensure that the existing pre-folded edges always face inwards. The end result will give you two left hand and two right hand brackets.
## CPDW33-41 Double Carport Frame Accessories

<table>
<thead>
<tr>
<th>QTY</th>
<th>COMPONENT DESCRIPTION</th>
<th>PART No.</th>
<th>CHECK</th>
<th>QTY</th>
<th>COMPONENT DESCRIPTION</th>
<th>PART No.</th>
<th>CHECK</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>JOINER ANGLE 50 x 50 (EDGE BEAM INNER CORNER CONNECTOR)</td>
<td>JA-1</td>
<td>CHECK</td>
<td>4</td>
<td>JOINER ANGLE 50 x 50 (EDGE BEAM OUTER CORNER CONNECTOR)</td>
<td>JA-2</td>
<td>CHECK</td>
</tr>
<tr>
<td>8</td>
<td>JOINER ANGLE 100 x 50 (MID CROSS BEAM TO EDGE BEAM CONNECTOR)</td>
<td>JA-3</td>
<td>CHECK</td>
<td>4</td>
<td>JOINER ANGLE 100 x 50 (BACKING SUPPORT PLATE FOR JA-3)</td>
<td>JP</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>75 x 75 ANGLE COLUMN BASE BRACKET L= 65mm (CONNECT COLUMNS TO CONCRETE)</td>
<td>CBB</td>
<td>16</td>
<td>CHECK</td>
<td>25mm WIDE FLAT STRIPS L = 270mm (FOLD FOR LATER USE AS ROOF BRACKETS)</td>
<td>RB</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>25mm WIDE FLAT STRIPS L = 270mm (FOLD FOR LATER USE AS DOWNPIPE STRAPS)</td>
<td>DS</td>
<td>1</td>
<td>CHECK</td>
<td>50mm PVC DOWNPIPE L = 1880mm</td>
<td>DP-1</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>50mm PVC DOWNPIPE L = 900mm</td>
<td>DP-2</td>
<td>2</td>
<td>CHECK</td>
<td>50mm PVC DOWNPIPE 90° bend</td>
<td>DP-3</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>50mm PVC DOWNPIPE 45° bend</td>
<td>DP-4</td>
<td>1</td>
<td>CHECK</td>
<td>50mm ROUND GALV. GUTTER DROP FOR DOWNPIPE</td>
<td>DP-5</td>
<td></td>
</tr>
</tbody>
</table>
# COMPONENTS PACKING LIST - CHECK OFF ALL COMPONENTS

## CPDW33-41 DOUBLE CARPORT FRAME ACCESSORIES (CONT.)

<table>
<thead>
<tr>
<th>QTY</th>
<th>COMPONENT DESCRIPTION</th>
<th>CHECK</th>
<th>QTY</th>
<th>COMPONENT DESCRIPTION</th>
<th>CHECK</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>10mm DYNABOLTS</td>
<td></td>
<td>240</td>
<td>NEOPREHNE WASHERS</td>
<td></td>
</tr>
<tr>
<td>280</td>
<td>10mm x 16mm WAFER HEAD SELF DRILLING TEK SCREWS</td>
<td></td>
<td>280</td>
<td>WASHERS</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>10mm x 80mm BOLTS &amp; NUTS</td>
<td></td>
<td>1</td>
<td>ASSEMBLY INSTRUCTIONS</td>
<td></td>
</tr>
<tr>
<td>124</td>
<td>10mm x 20mm BOLTS &amp; NUTS</td>
<td></td>
<td>80</td>
<td>POP RIVETS</td>
<td></td>
</tr>
</tbody>
</table>
NOTE: THE COMPONENT PART NUMBERS SHOWN THROUGHOUT THIS INSTRUCTION ARE FOR ILLUSTRATIVE IDENTIFICATION ONLY. THE ACTUAL COMPONENTS HAVE NOT BEEN BRANDED WITH PART NUMBERS, BUT CAN BE IDENTIFIED BY THEIR SIZE AND DESCRIPTION AS NOTED THROUGHOUT THIS INSTRUCTION.
STEP 1.

JOIN THE EDGE BEAMS AND CROSS BEAMS TOGETHER WITH THE SPLICE PLATES, USING M10 x 20 BOLTS, NUTS AND WASHERS AS SHOWN.
STEP 2.

SECURE THE EDGE BEAMS TOGETHER AT EACH CORNER USING THE JOINER ANGLES AS SHOWN.

THE JOINER ANGLES SHOULD BE POSITIONED ON THE INSIDE OF THE EDGE BEAMS, HELD WITH 'G' CLAMPS, AND FASTENED WITH TEK SCREWS FROM THE OUTSIDE OF THE EDGE BEAMS.

SEAL ALL JOINTS WITH SILICONE.

THE EXTERNAL DIMENSIONS OF THIS FRAME SHOULD MATCH THE CONCRETE SLAB SIZE OF 5500 x 5500 WITH A DIAGONAL MEASUREMENT OF 7778, AS SHOWN ON THE FRONT PAGE OF THIS INSTRUCTION.

ALSO FASTEN THE BOTTOM OVERLAP SECTIONS OF THE EDGE BEAMS WITH THREE TEK SCREWS.
STEP 3.

FOR LOCATING THE COLUMN TOP BRACKETS, TO WHICH THE COLUMNS AND CROSS BEAMS WILL BE LATER CONNECTED.

THE REAR RHS COLUMNS ARE 50mm SHORTER THAN THE FRONT RHS COLUMNS. THIS PRODUCES ABOUT A ONE DEGREE FALL IN THE ROOF, TO ALLOW RAINWATER TO FLOW TO THE REAR DOWNPIPE.

THEREFORE, TO ENSURE THAT THE COLUMNS WILL REMAIN VERTICAL WHEN THE STRUCTURE IS RAISED, EACH COLUMN TOP BRACKET MUST BE OFFSET BY 6mm AS SHOWN BELOW. YOU CAN SEE BELOW HOW THE END RESULT WILL KEEP THE COLUMNS VERTICAL BUT TILT THE ROOF.

MARK THE HOLE POSITIONS FOR THE FOUR HOLES TO BE DRILLED IN THE BEAMS AT EACH LOCATION, AND DRILL 10mm HOLES. DO NOT FASTEN THE COLUMN TOP BRACKETS TO THE EDGE BEAMS AT THIS STAGE.
STEP 4. CONSTRUCTION PIVOT HOLE

USING THE COLUMN TOP BRACKET AS A TEMPLATE, DRILL THIS HOLE IN EACH COLUMN. IT WILL LATER BE USED AS THE PIVOT POINT TO LIFT UP THE STRUCTURE.

ALSO USING THE COLUMN TOP BRACKET AS A TEMPLATE, DRILL THESE FOUR HOLES THROUGH 'BOTH' SIDES OF THE COLUMN. JOIN BOTH SECTIONS TOGETHER WITH FOUR M10 X 80mm LONG BOLTS, NUTS AND WASHERS.

NOTE: (16 x 80mm LONG BOLTS SUPPLIED = 4 PER COLUMN)

M10 x 20mm BOLTS ARE USED AT ALL OTHER LOCATIONS.

USING THE COLUMN BASE BRACKETS AS TEMPLATES, DRILL FOUR 10mm HOLES IN EACH COLUMN. JOIN TWO COLUMN BASE BRACKETS TO EACH COLUMN WITH FOUR M10 x 20mm BOLTS, NUTS AND WASHERS.

FIT EACH DOUBLE CROSS BEAM TO THE COLUMN TOP BRACKETS WITH FOUR M10 x 20mm BOLTS, NUTS AND WASHERS.

THE COLUMN TOP BRACKET SHOULD FIT BETWEEN THE TWO CROSS BEAM SECTIONS AT EACH END.
STEP 5. MARK THE POSITIONS FOR THE REMAINING CROSS BEAM ON THE EDGE BEAMS. LEVEL SURFACE TO ATTACH ROOF SHEETS TO.

REAR | 1080 1060 1060 1060 1080 |
FRONT | 40 40 40 40 5500 |

USING THE JA-3 JOINER ANGLE AS A TEMPLATE, DRILL TWO 10mm HOLES IN EACH END OF THE CROSS BEAM. SECURE TWO JA-3 JOINER ANGLES TO EACH END OF THE CROSS BEAM WITH TWO M10 x 20mm BOLTS, NUTS AND WASHERS. THE JOINER ANGLES SHOULD BE FLUSH WITH THE TOP OF THE CROSS BEAM TO ACHIEVE A LEVEL SURFACE TO ATTACH THE ROOF SHEETS TO.

POSITION THE JOINER PLATE (JP) ON THE EDGE BEAM TO THE DIMENSIONS SHOWN ABOVE, AND DRILL TWO 10mm HOLES IN THE EDGE BEAM. MOVE THE JOINER PLATE TO THE INSIDE OF THE EDGE BEAM, TO ACT AS A LARGE WASHER FOR THE BOLTS. SECURE THE CROSS BEAMS TO THE EDGE BEAMS AS SHOWN BELOW WITH TWO M10 BOLTS, NUTS AND WASHERS AT EACH END.
STEP 6.

YOU WILL REQUIRE ASSISTANCE FROM ANOTHER PERSON TO LIFT THE ROOF STRUCTURE UP.

PIVOT HOLE CONNECTION.

REFER BACK TO STEP 4. LOCATE ONE M10 x 20mm BOLT, NUT AND WASHER AT EACH END OF THE CROSS BEAM/COLUMN ASSEMBLY TO THE PRE-DRILLED HOLE IN THE EDGE BEAM. ONLY TIGHTEN FINGER TIGHT TO ALLOW THE SECTIONS TO MOVE DURING LIFTING.

WITH ONE PERSON HOLDING EACH COLUMN, BEGIN TO LIFT THE ROOF STRUCTURE.

CONTINUE LIFTING THE ROOF STRUCTURE UNTIL A SECOND BOLT CAN BE FASTENED TO THE COLUMN TOP BRACKET AND EDGE BEAM.

SECURE AND TIGHTEN ALL FOUR M10 x 20mm BOLTS NUTS AND WASHERS AT EACH END OF THE CROSS BEAM.
STEP 6. CONTINUED

REPEAT THE LIFTING PROCEDURE FOR THE FRONT CROSS BEAM ASSEMBLY. WITH THE STRUCTURE NOW STANDING, POSITION AND SECURE THE CENTRE CROSS BEAM ASSEMBLY.

DOUBLE CHECK TO ENSURE THAT ALL BOLTS AND NUTS (INCLUDING SPLICE PLATE CONNECTIONS) ARE STILL FULLY TIGHTENED. IT IS ALSO VERY IMPORTANT (ALTHOUGH AWKWARD) TO ENSURE THAT THE BOLTS SECURING THE BASE BRACKETS TO THE COLUMNS ARE VERY TIGHT, TO REDUCE THE AMOUNT OF SWAY IN THE STRUCTURE.

STEP 7.

TO THE DIMENSIONS SHOWN ON THE FRONT PAGE OF THIS INSTRUCTION, SECURE THE FRAME TO THE CONCRETE SLAB WITH THE M12 DYNA BOLTS PROVIDED. YOU WILL REQUIRE AN M12 MASONRY DRILL BIT TO DRILL INTO THE CONCRETE.

STEP 8.

EQUALLY SPACE THE EIGHT ANGLE ROOF BRACES (ARB) AS SHOWN, AND SECURE TO THE UNDERSIDE OF THE CROSSBEAMS WITH TWO TEK SCREWS PER CONNECTION.
STEP 9.

SLIP THE NEOPRENE WASHERS ON TO THE SELF DRILLING SCREWS FOR A WATER TIGHT CONNECTION.

ALL ROOF SHEETS ARE PAN-FIXED. ie SCREW THROUGH THE FLAT PAN OF THE SHEET INTO THE FRAMEWORK.


SECURE 16 x 2820mm ROOF SHEETS TO FRAME.

SECURE WITH SCREWS ALONG THIS EDGE AT 150mm CENTRES.

OVERLAP THE TWO CENTRE SHEETS ONLY, BY THREE FULL PANS TO ATTAIN AN OVERALL ROOF WIDTH OF 5500mm.

ONE SCREW AT EVERY PAN
ONE SCREW AT EVERY SECOND PAN
ONE POP RIVET AT EVERY PAN
ONE POP RIVET AT EVERY SECOND PAN
OVERLAP FOOF SHEETS & FASTEN WITH SCREWS
STEP 10

BEND THE ENDS OF 16 FLAT STRIPS (270mm X 25mm) AS SHOWN AND SECURE AT MAXIMUM 1500mm CENTRES WITH ONE SCREW AT EACH END.

IMMEDIATE MAINTENANCE:

CLEAN DOWN ALL ROOF AND EDGE/CROSS BEAM INTERNAL AREAS. METAL FILINGS FROM DRILLING HOLES AND USING SELF DRILLING SCREWS CAN CAUSE DISCOLORATION AND CORROSION TO ROOF SHEETS AND GALVANIZED FRAMING SECTIONS.
AUSTRALIA PRODUCT WARRANTY AGAINST DEFECTS

Congratulations on your purchase of an ABSCO SHED

ABSCO SHEDS, including garden sheds, garden beds, aviaries, storage units, garages, awnings and carports are made using high quality Australian made steel.

We are pleased to advise we warrant that the steel coating will not rust, crack, flake peel or blister for 30 years from date of purchase, when installed within Australia.

This warranty does not apply to surface deterioration of panels caused by “Swarf” (Tiny particles of steel debris left from cutting, grinding or drilling operations) that has not been removed after building construction, or as a result of contact with damp soil, chemicals, fertilisers or other corrosive substances.

This warranty covers any Absco product used for normal domestic use and installed in accordance with the installation instructions. The warranty does NOT cover Damage caused by storms, wind, rain snow or poor foundations.

This warranty does NOT cover ABSCO products installed in severe coastal, industrial or other highly corrosive environments. The warranty does not cover fasteners (screws, nuts, bolts, rivets, hasps or sliding padbolts).

The warranty is limited to replacement and delivery of components and does not include any labour or installation costs. The benefits given by the warranty are in addition to your other rights and remedies under a law in relation to the goods or services to which the warranty relates.

The warranty applies to the exclusion of all other representations, guarantees or warranties express or implied, our goods come with guarantees that cannot be excluded under the Australian consumer law and is not transferable. You are entitled to a replacement or refund for a major failure and for compensation for any other foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of an acceptable quality and the failure does not amount to a major failure. For further information go to http://www.consumerlaw.gov.au.

Please retain a proof of purchase (sales docket or invoice) or register your warranty within 30 days of purchase here:


In the unlikely event a warranty claim is made, it must be supported by photographic evidence and details of the defect, including component part numbers, together with proof of purchase documentation (or on-line registration of purchase) and forwarded to the address below. Upon receipt of the warranty claim, the Customer Service Manager will contact you within three business days to advise you of the assessment outcome of the claim, which may include your expenses incurred in making the claim.

THE CUSTOMER SERVICE MANAGER, ABSCO INDUSTRIES, PO BOX 119 ACACIA RIDGE QLD AUSTRALIA 4110

PHONE: 1800 029701 FAX: 07-33441191 EMAIL: warranty@absco.com.au

Issued 01 January 2013
ABSCO SHEDS - STORAGE GUIDELINES

ABSCO SHEDS include garden sheds, garden beds, storage units, aviaries, garages, awnings and carports.

ABSCO SHEDS are designed to be weatherproof for normal weather conditions. In the event of extreme weather conditions such as heavy rain, combined with high wind gusts, the ridge capping, sheeting joins, screw fixings etc., may exhibit minor deformations which may allow some water entry. These areas should be checked regularly to ensure that maximum strength and protection is maintained.

Other weather conditions such as extreme heat and extreme cold, moist or dry air can influence the effects of concrete floor moisture and/or condensation on the underside of the roof sheets.

ABSCO SHEDS and storage units are primarily used for storage of garden equipment such as lawnmowers, wheelbarrows, garden tools etc. Storage items that might be adversely affected by any of the above conditions may require additional protection such as being sealed or covered by plastic sheets and/or stacked above the concrete floor on timber slats.

Waterproof sealants may be used to offer further protection where required around joins and screw fixings, as can rubber door seals and other products which are available from most hardware outlets.

Placement of waterproof sealants (silicone) between the base of the shed and concrete slab is not recommended, as this process can have a reverse effect, preventing excess water from escaping, resulting with water accumulating and being trapped inside the shed.

Absco accepts no responsibility for water entry, floor moisture, condensation or the condition of the Contents inside your Absco steel building arising from any of the pre-mentioned weather conditions.