





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 LEVELSPANNERS
 - SPANNERS C 10mm MASONARY DRILL BIT • F
- 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

CPDW33-41 DOUBLE CARPORT FRAME COMPONENTS							
QTY	COMPONENT DESCRIPTION	PART No.	СНЕСК	QTY	COMPONENT DESCRIPTION	PART No.	СНЕСК
4	EDGE BEAM RIGHT HAND L= 2750	EBRH		4	EDGE BEAM LEFT HAND L= 2750	EBLH	
4	CROSS BEAM L= 2610	СВ		4	EDGE BEAM SPLICE PLATE L= 608	EBSP	
2	COLUMN TOP BRACKET LEFT HAND	CTBLH		4	CROSS BEAM SPLICE PLATE L= 608	CBSP	
6	30 x 30 ANGLE ROOF BRACE L=1100	ARB		4	CROSS BEAM L= 2675	СВ	
2	65 x 65 STEEL COLUMN L = 2200	RHS		2	COLUMN TOP BRACKET RIGHT HAND	CTBRH	
2	65 x 65 STEEL COLUMN L = 2250	RHS		16	STEEL SHEET L= 2820	SHEET	

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.



COMPONENTS PACKING LIST - CHECK OFF ALL COMPONENTS

CPDW33-41 DOUBLE CARPORT FRAME ACCESSORIES							
QTY	COMPONENT DESCRIPTION	PART No.	СНЕСК	QTY	COMPONENT DESCRIPTION	PART No.	СНЕСК
4	JOINER ANGLE 50 x 50 L = 45mm (EDGE BEAM INNER CORNER CONNECTOR)	JA-1		4	JOINER ANGLE 50 x 50 L = 100mm (EDGE BEAM OUTER CORNER CONNECTOR)	JA-2	
8	JOINER ANGLE 100 x 50 L = 50mm (MID CROSS BEAM TO EDGE BEAM CONNECTOR)	JA-3		4	50mm JOINER PLATE L = 100mm (BACKING SUPPORT PLATE FOR JA-3)	JP	
8	75 x 75 ANGLE COLUMN BASE BRACKET L= 65mm (CONNECT COLUMNS TO CONCRETE)	CBB		16	25mm WIDE FLAT STRIPS L = 270mm (FOLD FOR LATER USE AS ROOF BRACKETS)	RB	
2	25mm WIDE FLAT STRIPS L = 270mm (FOLD FOR LATER USE AS DOWNPIPE STRAPS)	DS		1	50mm PVC DOWNPIPE L = 1880mm	DP-1	
1	50mm PVC DOWNPIPE L = 900mm	DP-2		2	50mm PVC DOWNPIPE 90° bend	DP-3	
1	50mm PVC DOWNPIPE 45° bend	DP-4		1	50mm ROUND GALV. GUTTER DROP FOR DOWNPIPE	DP-5	



COMPONENTS PACKING LIST - CHECK OFF ALL COMPONENTS

CPDW33-41 DOUBLE CARPORT FRAME ACCESSORIES (CONT.)					
QTY	COMPONENT DESCRIPTION	СНЕСК	QTY	COMPONENT DESCRIPTION	СНЕСК
8	10mm DYNABOLTS		240	NEOPREHNE WASHERS	
280	10mm x 16mm WAFER HEAD SELF DRILLING TEK SCREWS		280	WASHERS	
16	10mm x 80mm BOLTS & NUTS		1	ASSEMBLY INSTRUCTIONS	
124	10mm x 20mm BOLTS & NUTS		80	POP RIVETS	







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. **CTBRH** 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. **CTBLH** 0 USING THE COLUMN BASE BRACKETS AS TEMPLATES, DRILL FOUR 10mm Ο 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.

PAGE 10

ABSCO SHEDS So Tough. Too Easy.

JP

JA-3

CB-2675





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.





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 DYNABOLTS PROVIDED. YOU WILL REQUIRE AN M12 MASONRY DRILL BIT TO DRILL INTO THE CONCRETE.







SECURE 16 x 2820mm ROOF SHEETS TO FRAME.

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

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

THE EDGE ALONG THE LENGTH OF THE SHEET SHOULD BE HARD UP AGAINST THE INSIDE OF THE EDGE BEAM ON BOTH SIDES OF THE STRUCTURE. SECURE WITH SCREWS ALONG THIS EDGE AT 150mm CENTRES.





CUT A ROUND HOLE 51mm IN DIAMETER IN ONE END OF THE REAR EDGE BEAM. THIS CAN BE DONE BY DRILLING A SERIES OF 3mm HOLES AND THEN PUNCHING OUT THAT SECTION. FIT THE GALVANISED GUTTER DROP AND SEAL WITH SILICONE. FASTEN THE DOWNPIPES AND BENDS AS SHOWN. BEND THE 270 x 25 FLAT STRIPS (DS) TO SHAPE AND FASTEN THE DOWNPIPE TO THE COLUMNS.

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.





PAGE 16





ABSCO INDUSTRIES





Department of Housing and Public Works

Form 15—Compliance certificate for building design or specification Version 4 – July 2017

NOTE: This is to be used for the purposes of section 10 of the *Building Act* 1975 and/or section 46 of the *Building Regulation* 2006.

RESTRICTION: A building certifier (class B) can only give a compliance certificate about whether building work complies with the BCA or a provision of the Queensland Development Code (QDC). A building certifier (Class B) can not give a certificate regarding QDC boundary clearance and site cover provisions.

1. Property description	Street address (include no., street, suburb/locality and postcode)				
This section need only be completed if details of street address and property description are applicable.					
E.g. in the case of (standard/generic) pool lesign/shell manufacture and/or patio and arport systems this section may not be applicable.	Postcode Lot and plan details (attach list if necessary)				
he description must identify all land the ubject of the application. The lot and plan details (e.g. SP/RP) are	In which local government area is the land situated?				
hown on title documents or a rates notice. the plan is not registered by title, provide revious lot and plan details.					
2. Description of component/s certified Clearly describe the extent of work covered by his certificate, e.g. all structural aspects of the teel roof beams.	ABSCO standard range of kit-form garages, carports, awnings.				
Basis of certification Petail the basis for giving the ertificate and the extent to which ests, specifications, rules, tandards, codes of practice and other ublications, were relied upon.	 The structural design for the range of ABSCO kit-form buildings has been undertaken in accordance with the following design conditions. NCC - Building Code of Australia (2016) – Volume 2 – Class 1 and Class 10 Buildings AS1170.0-2002 - Structural design actions Part 0 General Principles AS1170.1-2002 - Structural design actions Part 1 Permanent, imposed and other actions AS1170.2-2011 - Structural design actions Part 2 Wind Actions AS1170.3-2003 - Snow Loads AS3600 - 2009 - Concrete Structures AS4100 - 1998 - Steel Structures AS4005 - 2012 - Wind loads for Housing AS4600 - 2005 - Cold-formed Steel Structures AS2870 - 2011 - Residential Slabs and Footings – Construction. Ramset - Specifiers Resource Book Buildex Fasteners - Technical Specification Low-High-Low testing of cyclonic area roof sheeting by University of Adelaide. Test results available on request. 				

ABSCO INDUSTRIES

Date received

Reference Number/s

PAGE 18



4. Reference documentation Clearly identify any relevant documentation,	NJA Consulting Pty Ltd Drawings:						
e.g. numbered structural engineering plans.	Carports:	Drawings: 06205-003-CP01, CP02A, CP03 to CP06, CP07A, CP08, CP09					
	Awnings:	Drawings: 06205-003-AW01A, AW02A, AW05					
	Garages:	Drawings: 06205-003-GR01A, 02A, 03B to 11B, 12A, 13B, 14A, 15B					
	Connections	Drawings: 06205-003-CN01					
	Scope or Limitations	Scope or Limitations					
	 The slab and classifications (garages) in a practitioner sl The building assembly ma structures not The structure 1, Group 2 a 	e relates to the structural aspects of the building only. footings nominated on the drawings are suitable for class A, S, M & H site (awnings, garden sheds and carports), class A, S & M site classifications accordance with AS2870. The applicant shall seek advice from a local building nould the site classification fall outside of this range ie class H, E and P sites. shall be constructed in accordance with the design drawings and ABSCO anuals. NJA accept no responsibility whatsoever for the performance of constructed in accordance with these documents. s are designed to sustain the wind loads nominated on the drawing for Group and Group 3 wind loadings. The site wind classification shall be derived in <i>i</i> th AS4055. Structural wind loads have been derived using AS1170.2-2011.					
	The following	criteria are applicable to structure wind loads:					
	Annual proba	ortance Level: 2 bility of exceedance: 1:500 Classification: T1					
	N2, N3 garag	sure Coefficients es: +0.2, -0.3 (non-cyclonic) +0.7, -0.65 (cyclonic)					
	is on the buik the intended rating. The sit	s are rated to meet the wind classifications nominated on the plans. The onus ling certifier or local authority to ensure that the wind classification relevant to siting of the ABSCO product does not exceed the product's individual wind the wind classification shall be determined in accordance with AS4055 Table 1 ic classification T1, for the relevant wind region.					
	certification.	Iting will not be providing site specific wind data as part of thi . Should the certifier require site specific wind data, then they shall refe t to a suitably qualified local building practitioner.					
	responsibilitie	te shall not be construed as relieving any party of their contractual s, and is valid until 8 October 2018. Beyond this date the certification will another engineering consultant.					
5. Building certifier reference number	Building certifie	r reference number					

PAGE 19



Name (in full)					
Darren John McDonald					
Company name (if applicable) NJA Consulting Pty Ltd	Contact person				
Phone no. (business hours) Mobile no.	Fax no.				
PO Box 64					
Springwood QLD	Postcode 4127				
Licence or registration number (if applicable)					
RPEQ 5453					
Signature	Date				
for and on behalf of					
	Darren John McDonald Company name (if applicable) NJA Consulting Pty Ltd Phone no. (business hours) Mobile no. Email address admin@nja.com.au Postal address PO Box 64 Springwood QLD Licence or registration number (if applicable RPEQ 5453 Signature ZMM				

The Building Act 1975 is administered by the Department of Housing and Public Works



12206-003-DMCD

3 May 2017

ABSCO PO Box 119 ACACIA RIDGE QLD 4110

STRUCTURAL CERTIFICATION OF ABSCO PRODUCT RANGE

We refer to above matter. We hereby certify that the range of ABSCO products indicated on the drawings listed below are structurally satisfactory in accordance with the Australian Standards outlined in the Design Certificate Criteria section of this certificate.

Drawing Nos: Th following drawings:	is certificate covers the full range of ABSCO products as outlined on the
NJA Consulting Pt	y Ltd Drawings:
Garden Sheds:	Drawings: 06205-003-GS01C, GS02C, GS03B, GS04B, GS05A,
	GS06A, GS07A, GS08B, GS09 to GS11, GS12A, GS13B, GS14C, GS15,
GS16B, GS17.	
Carports:	Drawings: 06205-003-CP01, CP02A, CP3 to CP06, CP07A, CP08, CP09
Awnings	Drawings: 06205-003-AW01A, AW02A, AW05
Garages	Drawings: 06205-003-GR01A, GR02A, GR03B to GR11B, GR12A,
GR13B, GR14A, GI	
Connections	Drawings: 06205-003-CN01

Other Related Documents:

1. PI INSURANCE CERTIFICATE (attached)

DESIGN CERTIFICATE CRITERIA

The structural design for the range of ABSCO kit-form buildings has been undertaken in accordance with the following design conditions.

- Building Code of Australia Volume 2 (2016) Class 1 and Class 10 Buildings ۶
- Þ AS1170.0-2002 - Structural design actions Part 0 General Principles
- Þ AS1170.1-2002 - Structural design actions Part 1 Permanent, imposed and other actions
- ≻ AS1170.1-2011 - Structural design actions Part 2 Wind Actions
- AA AS1170.3-2003 - Snow Loads
- AS3600 2009 Concrete Structures
- AS4100 1998 Steel Structures
- AAA AS4055 - 2012- Wind loads for Housing
- AS4600 2005 Cold-formed Steel Structures
- AS2870 2011 Residential Slabs and Footings Construction.
- AAA Ramset - Specifiers Resource Book
- **Buildex Fasteners Technical Specification**
- Low-High-Low testing of cyclonic area roof sheeting by University of Adelaide.

Class of Building (BCA): 10a

Building Importance Level: (BCA Table B1.2a): 2

Annual Probability of Exceedance for wind: 1 in 500



NJA Consulting Pty Ltd ACN 089 515 720

Suite 14, Level 1 Plaza Chambers 3-15 Dennis Road PO Box 64 Springwood QLD 4127 Ph (07) 3208 4755 (07) 3208 1822 Fax Email admin@nja.com.au Web www.nja.com.au

ENGINEE

10-05-2018



COMMENTS / EXCLUSIONS (Exclusions to this Certificate must be clearly identified). This certificate relates to the structural aspects of the building only. The slab and footings nominated on the drawings are suitable for class A, S, M & H site classifications (awnings, garden sheds and carports), class A, S & M site classifications (garages) in accordance with AS2870. The applicant shall seek advice from a local building practitioner should the site classification fall outside of this range ie class H. E and P sites. The founding material shall have a minimum safe bearing capacity of 75kPa. > The building shall be constructed in accordance with the design drawings and ABSCO assembly manuals. NJA accept no responsibility whatsoever for the performance of structures not constructed strictly in accordance with these documents. The structures are designed to sustain the wind loads nominated on the drawing for Group 1, Group 2 and Group 3 wind loadings. The site wind classification shall be derived in accordance with AS4055. Structural wind loads have been derived using AS1170.2-2011. The following criteria are applicable to structure wind loads: Structure Importance Level: 2 Annual probability of exceedance: 1:500 Topographic Classification: T0 and T1 (ref AS4055) generally flat site with ground slope up to 1 in 10 Internal Pressure Coefficients N2, N3 garages: +0.2, -0.3 (non-cyclonic) C1 garages: +0.7, -0.3 (cyclonic) Garden Sheds: 0.0, -0.2 (all regions) Garden sheds are considered to be effectively sealed during major wind events. Roller doors are excluded from certification, and are assumed to have blown in during cyclonic wind events. The structures are rated to meet the wind classifications nominated on the plans. The onus is on the building certifier or local authority to ensure that the wind classification relevant to the intended siting of the ABSCO product does not exceed the product's individual wind rating. The site wind classification shall be determined in accordance with AS4055 Table 1 for topographic classification T0 or T1, for the relevant wind region. NJA Consulting will not be providing site specific wind data as part of this certification. Should the certifier require site specific wind data, then they shall refer the applicant to a suitably qualified local building practitioner. > All glazed windows and doors to be designed and certified by window manufacturer. The glazing shall be designed to the Wind Classification System specified above, as defined in AS4055-1992. The glazing manufacturer shall satisfy the requirements of AS2047 for the specified Wind Classification System. The wind classification system has been determined on the basis of the following additional assumptions:-Flat site. Where the site is not generally flat (i.e. average slope steeper than 1:10), advise the certifying engineer for a possible reclassification of the glazing requirements. > This certificate shall not be construed as relieving any party of their contractual responsibilities. NJA have prepared a range of engineering drawings for ABSCO garden sheds, GS01 to GS16 inclusive. These drawings nominate the maximum size garden shed structure, in length, width, and height permissible for each shed design. NJA acknowledge that for each garden shed design, as detailed on engineering plans GS01 to GS16 inclusive, that garden shed structures smaller in size are acceptable, providing that all structural elements are fully adhered to, including internal steel framework, which can be proportionately reduced in size and spacing, in accordance with the reduced garden shed size. Yours faithfully DAG. Darren McDonald B.E. (Civil) RPEQ

Darren McDonald B.E. (Civil) RPEQ Senior Structural Engineer - Director For an on behalf of NJA Consulting Pty Ltd



Building Act 1993 Building Interim Regulations 2017

REGULATION 1507: CERTIFICATE OF COMPLIANCE - DESIGN

Building Certifier or Local Authority (applicant to complete)

Relevant building surveyor: Postal address: Postcode:

From

 Building practitioner: Darren McDonald

 Category and class: Engineer - Civil
 Registration No: EC 25680

 Postal address: PO Box 64 Springwood QLD

 Postcode: 4127

Property details (applicant to complete)

Number:	Street/road:	<u></u> <u>e_</u>]
City/suburb/town:		
Lot/s:		LP/PS:
Volume:		Folio:
Crown allotment:		Section:
Parish:		County:
Municipal District:		

COMPLIANCE

I did prepare the design and I certify that the part of the design described as ABSCO garages, carports and awnings comply with the following provisions of the Regulations.

- NCC Building Code of Australia (2016) Volume 2 Class 1 and Class 10 Buildings
- AS1170.0-2002 Structural design actions Part 0 General Principles
- AS1170.1-2002 Structural design actions Part 1 Permanent, imposed and other actions
- AS1170.1-2011 Structural design actions Part 2 Wind Actions
- AS1170.3-2003 Snow Loads
- AS3600 2009 Concrete Structures
- AS4100 1998 Steel Structures
- AS4055 2012 Wind loads for Housing
- AS4600 2005 Cold-formed Steel Structures
- AS2870 2011 Residential Slabs and Footings Construction.
- Ramset Specifiers Resource Book
- Buildex Fasteners Technical Specification
- Low-High-Low testing of cyclonic area roof sheeting by University of Adelaide.



NJA Consulting Pty Ltd ACN 089 515 720
Suite 14, Level 1 Plaza Chambers 3-15 Dennis Road PO Box 64 Springwood QLD 4127
Ph (07) 3208 4755 Fax (07) 3208 1822 Email admin@nja.com.au Web www.nja.com.au
TR RTR
GINEERS
FORENSIC



DESIGN DOCUMENTS

Carports: Awnings: Garages: Connections	Drawings: 06205	-003-CP01, CP02A, CP03 to CP06, -003-AW01A, AW02A, AW05 -003-GR01A, 02A, 03B to 11B, 12A, -003-CN01	
Specifications: N/A	F	Prepared by:	Date:
Computations: N/A	Ē	Prepared by:	Date:
Test reports: N/A	F	Prepared by:	Date:
Other Documentatio	n: N/A F	Prepared by:	Date:

SCOPE OR LIMITATIONS

- > This certificate relates to the structural aspects of the building only.
- The slab and footings nominated on the drawings are suitable for class A, S, M & H site classifications (awnings, garden sheds and carports), class A, S & M site classifications (garages) in accordance with AS2870. The applicant shall seek advice from a local building practitioner should the site classification fall outside of this range ie class H, E and P sites. The founding material shall have a minimum safe bearing capacity of 75kPa.
- The building shall be constructed in accordance with the design drawings and ABSCO assembly manuals. NJA accept no responsibility whatsoever for the performance of structures not constructed strictly in accordance with these documents.
- The structures are designed to sustain the wind loads nominated on the drawing for Group 1, Group 2 and Group 3 wind loadings. The site wind classification shall be derived in accordance with AS4055. Structural wind loads have been derived using AS1170.2-2002.

The following criteria are applicable to structure wind loads:

Structure Importance Level: 2 Annual probability of exceedance: 1:500 Topographic Classification: T1 Internal Pressure Coefficients: N2, N3 gara

N2, N3 garages: +0.2, -0.3 (non-cyclonic) C1 garages: +0.7, -0.65 (cyclonic)

The structures are rated to meet the wind classifications nominated on the plans. The onus is on the building certifier or local authority to ensure that the wind classification relevant to the intended siting of the ABSCO product does not exceed the product's individual wind rating. The site wind classification shall be determined in accordance with AS4055 Table 1 for topographic classification T1, for the relevant wind region. NJA Consulting will not be providing site specific wind data as part of this certification. Should the certifier require site specific wind data, then they shall refer the applicant to a suitably qualified local building practitioner.

This certificate shall not be construed as relieving any party of their contractual or duty of care responsibilities, and is valid until 08 October 2018. Beyond this date the certification is to be carried by another consultant.

Signature

TM9.

Signed: Darren McDonald EC25680

for and on behalf of NJA Consulting Pty Ltd

Date: 10 April 2018



Our Ref: 12206-003: DMCD

4 February 2016

ABSCO PO Box 119 ACACIA RIDGE QLD 4110

Attn: Ms Lisa Holtby

Dear Lisa

ABSCO KIT-FORM BUILDING PRODUCTS – REGULATION 88 - CERTIFICATE OF INDEPENDENT TECHNICAL EXPERT

We refer to the above matter.

We advise that NJA Consulting have been providing structural engineering certification services to ABSCO since 2006.

The current structural designs were originally prepared and certified by Cardno prior to NJA being engaged as the structural engineering certifier for ABSCO. The structural design verification process was undertaken by NJA Consulting based on the Cardno designs prior to providing certification services.

The structural design verification process has been undertaken, which complies with the following Australian standards and design conditions:

- NCC Building Code of Australia (2015) Volume 2 Class 1 and Class 10 Buildings
- AS1170.0-2002 Structural design actions Part 0 General Principles
- AS1170.1-2002 Structural design actions Part 1 Permanent, imposed and other actions
- AS1170.1-2011 Structural design actions Part 2 Wind Actions
- AS3600 2009 Concrete Structures
- AS4100 1998 Steel Structures
- AS4055 2012 Wind loads for Housing
- AS4600 2005 Cold-formed Steel Structures
- AS2870 2011 Residential Slabs and Footings Construction.
- Ramset Specifiers Resource Book
- Buildex Fasteners Technical Specification
- Low-High-Low testing of cyclonic area roof sheeting by University of Adelaide.

The current product range was originally indicated on Cardno drawings as follows:

 Sheds/Garages:
 1685/11/01-045, 049 to 050, 200 to 211, 224 to 227

 Garden Sheds:
 1685/11/01-017 to 019, 028, 031, 038, 039, 040, 055, 056, 059, 062

 Awnings:
 1685/11/01-060, 063, 231, 232

 Carports:
 1685/11/01-041 to 044, 051, 052, 100, 101



NJA Consulting Pty Ltd ACN 089 515 720

Plaza 3-15 E PO Bo	14, Level 1 Chambers Dennis Road px 64 gwood QLD 4127	
Ph Fax Email	(07) 3208 4755 (07) 3208 1822 admin@nja.com.au	
Web	www.nia.com.au	



PAGE 25



The ABSCO product range is currently indicated on NJA drawings as follows:

Garden Sheds: 06205-003-GS01C, GS02C, GS03B, GS04B, GS05B, GS06A, GS07A, GS08B, GS09 to GS11, GS12B, GS13B, GS14C, GS15, GS16C, GS17 Carports: 06205-003-CP01, CP02A, CP03 to CP06, CP07A, CP08, CP09 Awnings: 06205-003-AW01A, AW02A, AW05 Garages: 06205-003-GR01A, 02A, 03B to 11B, 12A, 13B, 14A, 15B Connections: 06205-003-CN01

If constructed in accordance with the above plans the range of structures indicated will comply with the relevant parts of the Building Code of Australia, and should be structurally sound.

We advise as independent technical experts;

- 1. We are not direct employees of the product manufacturer or building owner;
- We were not involved in any aspect whatsoever of the product development or original design process by the previous consultant;
- We have no pecuniary interest whatsoever in any aspect of proposed developments involving ABSCO products;
- 4. We have qualifications (Bachelor Degree suitable for corporate membership of the Institution of Engineers Australia) that qualify NJA Consulting Pty Ltd to act as an independent technical expert under regulation 85 of the South Australian Development Regulations.

Specifically in relation to the range of ABSCO Products the following limitations apply;

SCOPE OR LIMITATIONS

- This certificate relates to the structural aspects of the building only.
- The slab and footings nominated on the drawings are suitable for class A, S, M & H site classifications (awnings, garden sheds and carports), class A, S & M site classifications (garages) in accordance with AS2870. The applicant shall seek advice from a local building practitioner should the site classification fall outside of this range is class H, E and P sites. The founding material shall have a minimum safe bearing capacity of 75kPa.
- The building shall be constructed in accordance with the design drawings and ABSCO assembly manuals. NJA accept no responsibility whatsoever for the performance of structures not constructed strictly in accordance with these documents.
- The structures are designed to sustain the wind loads nominated on the drawing for Group 1, Group 2 and Group 3 wind loadings. The site wind classification shall be derived in accordance with AS4055. Structural wind loads have been derived using AS1170.2-2002.

The following criteria are applicable to structure wind loads:

Structure Importance Level: 2 Annual probability of exceedance: **1:500** Topographic Classification: **T1**

Internal Pressure Coefficients:

N2, N3 garages: +0.2, -0.3 (non-cyclonic) C1 garages: +0.7, -0.3 (cyclonic) Garden Sheds: 0.0, -0.2 (all regions)

Garden sheds are considered to be effectively sealed during major wind events.

The structures are rated to meet the wind classifications nominated on the plans. The onus is on the building certifier or local authority to ensure that the wind classification relevant to the intended siting of the ABSCO product does not exceed the product's individual wind rating. The site wind classification shall be determined in accordance with AS4055 Table 1 for topographic classification T1, for the relevant wind region. NJA Consulting will not be providing site specific wind data as part of this certification. Should the certifier require site specific wind data, then they shall refer the applicant to a suitably qualified local building practitioner.

> This certificate shall not be construed as relieving any party of their contractual or duty of care responsibilities.



The range of engineering drawings for ABSCO garden sheds is Indicated as GS01 to GS16 inclusive. These drawings nominate the maximum size garden shed structure, in length, width, and height permissible for each shed design. NJA acknowledge that for each garden shed design, as detailed on engineering plans GS01 to GS16 inclusive, that garden shed structures smaller in size are acceptable, providing that all structural elements are fully adhered to, including internal steel framework, which can be proportionately reduced in size and spacing, in accordance with the reduced garden shed size.

Please contact us if you have any further queries in relation to this matter.

Yours faithfully

BM9

Darren McDonald – Senior Structural Engineer (Director)

B.E. (Civil) RPEQ 5453 QLD 24619ES NT EC25680 VIC CC 4481E TAS

for and on behalf of NJA Consulting Pty Ltd



CERTIFICAT	E OF THE RESPONSI	BLE DESIGN	ER	Section 94 Section 106 Section 129 Section 155
То:			Owner name Address Suburb/postcod	Form 35
Designer detai				A State of the sta
Name:	Darren McDonald		Category:	CIVIL
Business name:	NJA Consulting Pty Ltd		Phone No:	07 3208 4755
Business address:	PO Box 64 (3-15 Dennis F Springwood	Road)		
	QLD	4127	Fax No:	07 3208 1822
Licence No:	CC-4481E Email add	ress: d.mcdonal	d@nja.com.a	<u>u</u>
Details of the p	roposed work:			
Owner/Applicant			Designer's proje	
			reference No.	
Address:			Lot No	
Type of work: Description of work	Building work	X	Plumbing work	(X all applicable)
	eel structure (Carport, Awn		ad re- wa stc on ma ba	ew building / alteration / dition / repair / removal / erection ter / sewerage / ormwater / -site wastewater nagement system / ckflow prevention / other)
	Design Work (Scope, limitation	· ·		
Certificate Type:	Certificate		sponsible Prac hitect or Buildir	
	Structural design		gineer or Civil	
	Fire Safety design		e Engineer	
	Civil design	Civ	il Engineer or C	Civil Designer
	Hydraulic design	Bui	Iding Services	Designer
	□Fire service design	Bui	Iding Services	Designer
	Electrical design		Iding Services	
	Mechanical design		Iding Service D	
	Plumbing design		mber-Certifier; signer or Engin	Architect, Building
		De	orginal of Eligin	
	Other (specify)			

Director of Building Control - date approved:2 August 2017

Building Act 2016- Approved Form No 35

10-05-2018



Other details: NIL

Design documents provided:

The following documents are provided with this Certificate -

Document description:

Drawing number	ITS:		
NJA Consultin	g Pty Ltd Drawings:		
Carports: Awnings: Garages: Connections	Drawings 06205-003-AW01A,	202A, CP03 to CP06, CP07A AW02A, AW05 02A, 03B to 11B, 12A, 13B, 14	
· · ·	wings for each individual ABSCO p vings are required for each individu		application.
-	certificate for kit-form steel buildin be completed by the applicant in co		
Schedules: NIL		Prepared by:	Date:
Specifications: I	NIL	Prepared by:	Date:
Computations: 1	NIL	Prepared by:	Date:
Performance so	lution proposals: NIL	Prepared by:	Date:

2

Director of Building Control - date approved:2 August 2017

ASSEMBLY INSTRUCTION MANUAL

Building Act 2016- Approved Form No 35

CARPORT MODEL: CPDW33-41



Standards, codes or guidelines relied on in design process:

Substance of Certificate:

The structural design for the range of ABSCO kit-form buildings has been undertaken in accordance with the following design conditions.

- NCC Building Code of Australia (2016) Volume 2 Class 1 and Class 10 Buildings
- AS1170.0-2002 Structural design actions Part 0 General Principles
- > AS1170.1-2002 Structural design actions Part 1 Permanent, imposed and other actions
- > AS1170.2-2011 Structural design actions Part 2 Wind Actions
- > AS1170.3-2003 Snow Loads
- AS3600 2009 Concrete Structures
- AS4100 1998 Steel Structures
- AS4055 2012 Wind loads for Housing
- AS4600 2005 Cold-formed Steel Structures
- > AS2870 2011 Residential Slabs and Footings Construction.
- Ramset Specifiers Resource Book
- Buildex Fasteners Technical Specification
- Low-High-Low testing of cyclonic area roof sheeting by University of Adelaide. Test results available on request.

Scope or Limitations

- > This certificate relates to the structural aspects of the building only.
- The slab and footings nominated on the drawings are suitable for class A, S, M, and H site classifications (awnings, garden sheds and carports), class A, S & M site classifications (garages) in accordance with AS2870. The applicant shall seek advice from a local building practitioner should the site classification fall outside of this range i.e. class E and P sites. The foundation material shall have a minimum safe bearing capacity of 75 kPa.
- The building shall be constructed in accordance with the design drawings and ABSCO assembly manuals. NJA accept no responsibility whatsoever for the performance of structures not constructed in accordance with these documents.
- The structures are designed to sustain the wind loads nominated on the drawing for Group 1, Group 2 and Group 3 wind loadings. The site wind classification shall be derived in accordance with AS4055. Structural wind loads have been derived using AS1170.2-2002.

The following criteria are applicable to structure wind loads:

Structure Importance Level: 2 Annual probability of exceedance: 1:500 Topographic Classification: T1 Internal Pressure Coefficients N2

N2, N3 garages: +0.2, -0.3 (non-cyclonic) C1 garages: +0.7, -0.65 (cyclonic)

The structures are rated to meet the wind classifications nominated on the plans. The onus is on the building certifier or local authority to ensure that the wind classification relevant to the intended siting of the ABSCO product does not exceed the product's individual wind rating. The site wind classification shall be determined in accordance with AS4055 Table 1 for topographic classification T1, for the relevant wind region.

NJA Consulting will not be providing site specific wind data as part of this certification. Should the certifier require site specific wind data, then they shall refer the applicant to a suitably qualified local building practitioner.

This certificate shall not be construed as relieving any party of their contractual responsibilities, and is valid until 8 October 2018. Beyond this date the certification shall be carried by another consultant.

Director of Building Control - date approved:2 August 2017

Building Act 2016- Approved Form No 35

10-05-2018



14

Absco Industries Skillion Carport Model: CPDW33-41

NORTHERN TERRITORY OF AUSTRALIA **BUILDING ACT** SECTION 40 - CERTIFICATE OF COMPLIANCE - STRUCTURAL DESIGN

Address:
Town / Hundred :
Ī

DOCUMENTS A	TTACHED (as built drawings or latest amendments)
Drawing Nos:	This certificate covers the full range of ABSCO products as outlined on the following drawings:
NJA Consultin	g Pty Ltd Drawings:
Carports:	Drawings: 06205-003-CP01, CP02A, CP3 to CP06, CP07A, CP08, CP09
Awnings	Drawings: 06205-003-AW01A, AW02A, AW05
Garages	Drawings: 06205-003-GR01A, GR02A, GR03B to GR11B, GR12A, GR13B, GR14A, GR15B
Connections	Drawings: 06205-003-CN01
Other Related D	ocuments:
	le of inspections : see over JRANCE CERTIFICATE (attached)

DESIGN CERTIFICATE CRITERIA

The structural design for the range of ABSCO kit-form buildings has been undertaken in accordance with the following design conditions.

- > NCC - Building Code of Australia (2016) - Volume 2 - Class 1 and Class 10 Buildings
- AS1170.0-2002 Structural design actions Part 0 General Principles Þ
- \triangleright AS1170.1-2002 - Structural design actions Part 1 Permanent, imposed and other actions
- AS1170.1-2011 - Structural design actions Part 2 Wind Actions
- ۶ AS1170.3-2003 - Snow Loads
- ۶ AS3600 - 2009 - Concrete Structures
- AA AS4100 - 1998 - Steel Structures
- AS4055 2012 Wind loads for Housing
- ⊳ AS4600 - 2005 - Cold-formed Steel Structures
- ≻ AS2870 - 2011 - Residential Slabs and Footings - Construction.
- ≽ Ramset - Specifiers Resource Book
- **Buildex Fasteners Technical Specification** ≻
- ≻ Low-High-Low testing of cyclonic area roof sheeting by University of Adelaide.

Class of Building (BCA): 10a Building Importance Level: (BCA Table B1.2a): 2 Annual Probability of Exceedance for wind: 1 in 500

No changes to the declaration are permitted

Page 1 of 3



This certificate relates to the struct	ural aspects of the building only.
The slab and footings nominated c sheds and carports), class A, S & advice from a local building practil	In the drawings are suitable for class A, S, M & H site classifications (awnings, garde M site classifications (garages) in accordance with AS2870. The applicant shall see tioner should the site classification fall outside of this range ie class H, E and P sites i minimum safe bearing capacity of 75kPa.
The building shall be constructed in	in accordance with the design drawings and ABSCO assembly manuals. NJA accept the performance of structures not constructed strictly in accordance with these structures are constructed strictly in accordance with the structures.
The structures are designed to sus	stain the wind loads nominated on the drawing for Group 1, Group 2 and Group 3 win n shall be derived in accordance with AS4055. Structural wind loads have been derive
The following criteria are applicable to	structure wind loads:
Structure Importance Level: 2	
Annual probability of exceedance: 1:50	00
Topographic Classification: T1	
Internal Pressure Coefficients	N2, N3 garages: +0.2, -0.3 (non-cyclonic)
	C1 garages: +0.7, -0.3 (cyclonic)
The structures are rated to meet the w	ind classifications nominated on the plans. The onus is on the building certifier or loca
authority to ensure that the wind class product's individual wind rating. The topographic classification T1, for the re	sification relevant to the intended siting of the ABSCO product does not exceed the site wind classification shall be determined in accordance with AS4055 Table 1 for elevant wind region. NJA Consulting will not be providing site specific wind data the certifier require site specific wind data, then they shall refer the applicant to the certifier require site specific wind data.
to the Wind Classification System the requirements of AS2047 for the determined on the basis of the fol	
 Flat site. Where the site is not get a possible reclassification of the g 	nerally flat (i.e. average slope steeper than 1:10), advise the certifying engineer fo plazing requirements.
	as relieving any party of their contractual responsibilities and is valid until 8 Octobe tion will be carried by another engineering consultant.
	103

	CERTIFICATION BY ST	RUCTURAL ENGINEER	
Company Name it certification issued NJA CONSULTING PTY LTD	on behalf of a corporation	Company NT Registrat	ion Number: 53639ES
Leartify that reasonable care has be	en taken to ensure that the structural e	noineering aspects of the works	
	ts of the Building Code of Australia an		

* Name and registration number of nominee signing on behalf of the company or if no company, name of individual issuing certification.

Page 2 of 3

ABSCO INDUSTRIES



SCHEDULE OF STRUCTURAL INSPECTIONS (CERTIFIER TO DETERMINE REQUIREMENTS)

- [] 1. Completion of site preparation/site filling/excavations for footings prior to placement of any reinforcement or concrete.
- [] 2. Completion of preparations for placing of concrete strip footings including placement of reinforcement.
- [*] 3. Completion of preparations for placing concrete slabs including compaction of fill and sand blinding, placement of formwork, reinforcement, starter bars and cast in items.
- [] 4. Completion of preparations for placing of concrete pier footings including reinforcement (if any).
- [] 5. Starter bars and cast in items after placing of concrete and prior to any covering up work.
- [] 6 Reinforcement to walls completed prior to core filling (inspection holes and cleanout cores to be completed).
- [*]7. Structural steelwork and cold formed steelwork completed and prior to any covering up work. Floor framing system completed before floors are laid or underside is lined.
- [] 8. Suspended concrete floor slabs with formwork, reinforcement and cast in items completed, prior to placing of concrete.
- [] 9. Wall framing or blockwork wall core filling completed (with windows fixed in place) and roof framing with connections completed and prior to sheeting or lining.
 - Note: [] Prior lodgement of truss manufacturer's drawings, details and certification required. [] Prior lodgement of windows manufacturer's drawings including fixings and certification required.
- [] 10. Structural wall linings completed and prior to any covering up work.
- [] 11. Final inspection upon completion of all structural work including fixings of external roof and wall claddings, flashings, barges & vents.
- [] 12. Other Inspections

Important Information:

- The above inspections are required to be carried out by either the certifying engineer or the building certifier who issued the Building Permit for the work. (If no inspections are indicated refer to the certifying engineer for advice).
- 2) Where works are prescribed building works under the NT Building Act, the building certifier must be provided with a copy of the inspection record and no further works must be carried out by the builder until the building certifier issues a release to proceed with further works.
- Additional non-structural inspections may be required during the course of construction before the issue of an Occupancy Permit (refer to building certifier for requirements).
- Failure to obtain inspections may prevent the issue of an Occupancy Permit upon completion of the building works.

Page 3 of 3



tificate of Curren	NJA Consulting Pty Ltd	
Class of Insurance:	Professional Indemnity Insurance	
Policy Number:	TKSCC1709131736	
Policy Term:	From 4pm 8/10/2017 to 4pm 8/10/2018	
lmit of Liability:	Professional Indemnity: \$3,000,000 Costs Inclusive	
ixcess:	Professional Indemnity: \$10,000	
Nording:	TKSR CCB 2016	
letroactive Date:	Unlimited, excluding known claims and/or circumstances	
Insurer:	100% Certain Underwriters at Lloyd's	
The above is a brief outlin he terms and conditions	ne of the Policy only, and coverage is at all times subject to of the Policy.	

PAGE 34



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: www.absco.com.au/register_warranty.php

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.