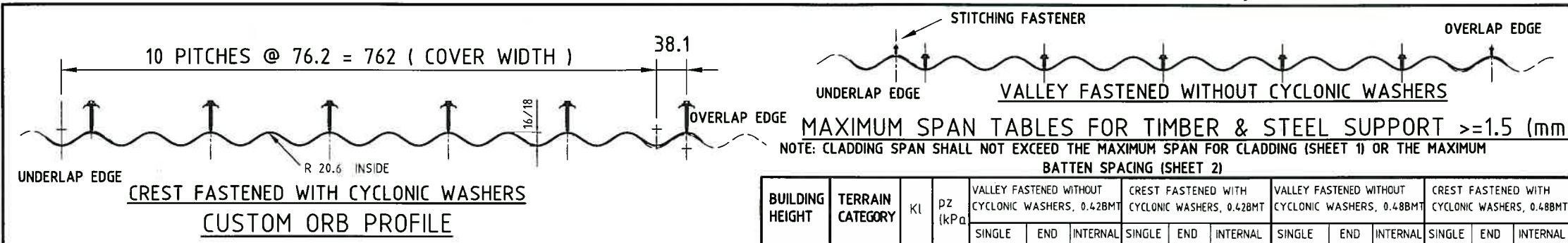


NORTHERN TERRITORY DEEMED TO COMPLY MANUAL - National Construction Code Volume 2 (Section 3.0.4 Structural resistance of materials in high wind areas)  
 This product has been determined to satisfy NCC Performance Requirement P2.1.1 for structural stability and resistance.



Product Name  
**CUSTOM ORB - WALLING FOR CYCLONIC REGIONS**  
 SHEET 1 OF 2

Product Description  
 CUSTOM ORB WALLING IS MANUFACTURED FROM 0.42mm & 0.48mm BMT G550, AM125 ZINCALUME, AM100 COLORBOND/COLORBOND METALLIC, AM150 COLORBOND ULTRA. Z450 GALVASPAN MATERIAL IS AVAILABLE IN SOME LOCATIONS.

Manufacturer's Name  
**LYSAGHT**  
 BlueScope Limited  
 A.B.N. 16 000 011 058  
 Trading as Lysaght

Design Criteria  
 A. THE FOLLOWING CRITERIA FROM AS/NZS 1170.2:2021 STRUCTURAL DESIGN ACTIONS PART 2: WIND ACTIONS HAVE BEEN USED TO GENERATE THE TABLES.  
 1. IMPORTANCE LEVEL 2 WITH RETURN PERIOD OF 500 YEARS  
 2. VR = 66 m/sec  
 3. Ms = Mf = Md = 1.0, Mc = 1.05  
 4. Cpe = +0.7 / -0.65, Cpi = -0.65 / +0.7 Kce & Kci = 0.9  
 5. HEIGHT MULTIPLIERS FROM TABLE 4.1 OF AS/NZS 1170.2:2021 STRUCTURAL DESIGN ACTIONS PART 2: WIND ACTIONS HAVE BEEN USED TO GENERATE THE TABLES.

HEIGHT (m)	TERRAIN / HEIGHT MULTIPLIER (Mz,cat)				
	1	2	2.5	3	4
<=5	1.01	0.91	0.87	0.83	0.75
<=10	1.08	1.00	0.92	0.83	0.75

- B. CUSTOM ORB COMPLIES WITH AUSTRALIAN STANDARDS FOR THE FOLLOWING REQUIREMENTS:
- SERVICEABILITY: AS/NZS 1170.0: 2002 STRUCTURAL DESIGN ACTIONS PART 0: GENERAL PRINCIPLES (INCORPORATING AMENDMENT 1,2,3,4&5)
  - WIND LOADING: AS/NZS 1170.2: 2021 STRUCTURAL DESIGN ACTIONS PART 2: WIND ACTION
  - DESIGN TABLES ARE BASED ON TEST RESULTS COMPATIBLE TO AS 4040.3 - 2018 METHODS OF TESTING SHEET ROOF AND WALL CLADDING METHOD 3: RESISTANCE TO WIND PRESSURES FOR CYCLONE REGIONS.
  - PRODUCT METALLIC COATING COMPLIES WITH AS 1397-2021: CONTINUOUS HOT-DIP METALLIC COATED STEEL SHEET AND STRIP - COATINGS OF ZINC AND ZINC ALLOYED WITH ALUMINIUM AND MAGNESIUM & AS/NZS 2728: 2013 PREFINISHED/PREPAINTE SHEET METAL PRODUCTS FOR INTERIOR/EXTERIOR BUILDING APPLICATIONS - PERFORMANCE REQUIREMENTS
  - FOR STRENGTH GROUPS OF TIMBER, REFER TO AS 1720.2: 2006 TIMBER STRUCTURES PART 2: TIMBER PROPERTIES (INCORPORATING AMENDMENT No. 1).

**Limitations**

- THE DATA IN THIS SHEET SHALL BE APPLICABLE TO CUSTOM ORB WALLING ONLY. PROFILE DIMENSIONS OF CUSTOM ORB AS SUPPLIED FOR INSTALLATION SHALL COMPLY WITH CUSTOM ORB PRODUCT DRAWINGS AS DEVELOPED BY LYSAGHT.
- INSTALLATION SHALL BE IN ACCORDANCE WITH LYSAGHT CYCLONIC AREA DESIGN MANUAL AND CUSTOM ORB MANUAL.  
<https://cdn.dcs.lysaght.com/download/lysaght-cyclonic-design-manual-steel-roofing-walling-topspan>
- MAXIMUM SPAN TABLES ARE BASED ON MAXIMUM ROOF HEIGHT = 10M.
- MAXIMUM OVERHANG SHALL BE DETAILED ACCORDING TO CURRENT LYSAGHT ROOFING & WALLING INSTALLATION MANUAL.
- Pz (PRESSURE) IN THE TABLES SHALL BE INCREASED ACCORDING TO AS/NZS 1170.2:2021, STRUCTURAL DESIGN ACTIONS PART 2: WIND ACTIONS CLAUSE 5.4.1 IN THE CASE OF: ELEVATED BUILDING AND ROOF PITCH >=25 DEG
- NO PRE-BORED HOLES PERMITTED.
- INCREASE SCREW LENGTH IF FIXING OVER INSULATION TO MAINTAIN A MIN. OF 3 SCREW THREADS PROTRUDING ON THE FAR SIDE STEEL SUPPORT.

Accepted for Inclusion in Deemed to Comply Manual

DTCM drawing number: M/353/01

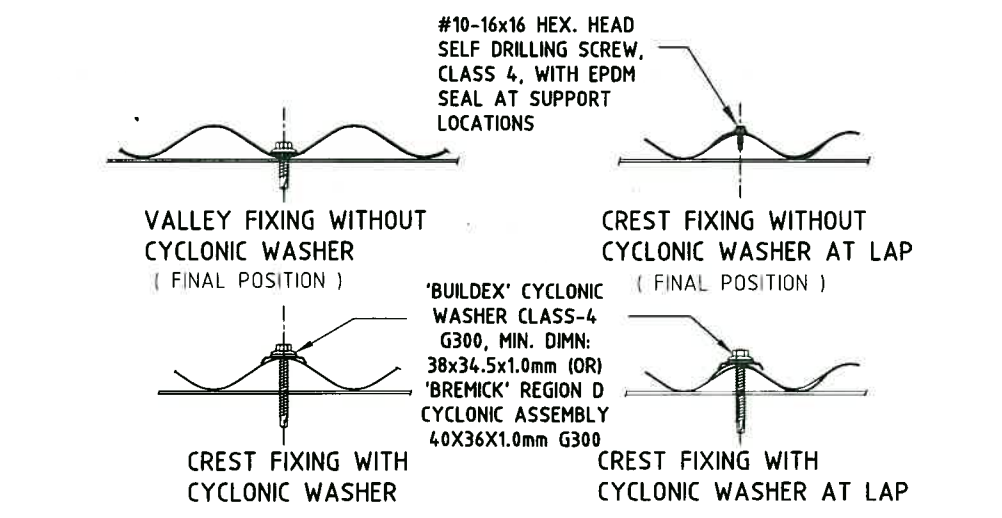
Chairperson Signature:

Chairperson Name: Paul Nowland

Date of Approval: 11/07/2022 Expiry: 11/07/2027

**MAXIMUM SPAN TABLES FOR TIMBER & STEEL SUPPORT >=1.5 (mm)**  
 NOTE: CLADDING SPAN SHALL NOT EXCEED THE MAXIMUM SPAN FOR CLADDING (SHEET 1) OR THE MAXIMUM BATTEN SPACING (SHEET 2)

BUILDING HEIGHT	TERRAIN CATEGORY	K1	Pz (kPa)	VALLEY FASTENED WITHOUT CYCLONIC WASHERS, 0.42BMT			CREST FASTENED WITH CYCLONIC WASHERS, 0.42BMT			VALLEY FASTENED WITHOUT CYCLONIC WASHERS, 0.48BMT			CREST FASTENED WITH CYCLONIC WASHERS, 0.48BMT		
				SINGLE	END	INTERNAL	SINGLE	END	INTERNAL	SINGLE	END	INTERNAL	SINGLE	END	INTERNAL
				UP TO 5M	1	1	3.57	1260	1120	1400	1270	1120	1440	1270	1200
1.5	4.43	1160	1000			1210	1140	1000	1300	1160	1070	1330	1160	1330	1580
2	5.29	1070	880			1050	1020	880	1160	1070	940	1180	1070	1150	1430
2	1	2.90	1360		1220	1550	1380	1220	1580	1360	1330	1660	1360	1690	1870
	1.5	3.60	1260		1110	1390	1270	1110	1440	1260	1190	1480	1260	1520	1730
	2	4.30	1170		1020	1240	1160	1020	1320	1170	1090	1350	1170	1360	1600
2.5	1	2.65	1400		1270	1620	1430	1270	1640	1400	1390	1720	1400	1750	1920
	1.5	3.29	1300		1160	1460	1320	1160	1490	1310	1250	1550	1310	1590	1790
	2	3.93	1210		1070	1320	1220	1070	1380	1210	1140	1420	1210	1440	1670
3	1	2.41	1430		1320	1680	1460	1320	1700	1440	1440	1790	1440	1810	1970
	1.5	2.99	1350		1200	1530	1370	1200	1560	1350	1320	1630	1350	1660	1850
	2	3.57	1260		1120	1400	1270	1120	1440	1270	1190	1480	1270	1520	1740
4	1	1.97	1490	1410	1800	1550	1410	1800	1510	1550	2010	1510	1930	2060	
	1.5	2.44	1430	1310	1670	1460	1310	1690	1430	1430	1780	1430	1800	1960	
	2	2.92	1360	1210	1550	1380	1210	1580	1360	1330	1650	1360	1680	1860	
UP TO 10M	1	1	4.08	1190	1050	1290	1190	1050	1360	1190	1120	1390	1190	1410	1640
		1.5	5.07	1090	910	1100	1050	910	1190	1090	970	1210	1090	1190	1460
		2	6.05	990	810	920	910	810	1060	990	840	1080	990	990	1300
	2	1	3.50	1270	1130	1410	1290	1130	1460	1280	1210	1500	1280	1540	1750
		1.5	4.34	1170	1010	1230	1150	1010	1310	1160	1080	1340	1160	1350	1590
		2	5.19	1080	890	1070	1040	890	1180	1080	950	1190	1080	1170	1440
	2.5	1	2.96	1350	1210	1540	1370	1210	1570	1360	1320	1640	1360	1670	1850
		1.5	3.68	1250	1100	1380	1260	1100	1430	1250	1180	1460	1250	1500	1720
		2	4.39	1160	1000	1220	1150	1000	1310	1160	1070	1340	1160	1340	1590
	3	1	2.41	1430	1320	1680	1460	1320	1700	1440	1440	1790	1440	1810	1970
		1.5	2.99	1350	1200	1530	1370	1200	1560	1350	1320	1630	1350	1660	1850
		2	3.57	1260	1120	1400	1270	1120	1440	1270	1190	1480	1270	1520	1740
4	1	1.97	1490	1410	1800	1550	1410	1800	1510	1550	2010	1510	1930	2060	
	1.5	2.44	1430	1310	1670	1460	1310	1690	1430	1430	1780	1430	1800	1960	
	2	2.92	1360	1210	1550	1380	1210	1580	1360	1330	1650	1360	1680	1860	
4	1	3.87	1220	1080	1340	1230	1080	1390	1220	1150	1430	1220	1460	1680	



**SPAN TYPE**  
 SINGLE SPAN, END SPAN, INTERNAL SPAN  
**WALL DESIGN CAPACITY TABLES**  
 ULTIMATE LIMIT STATE PRESSURE (kPa)

SPAN mm	0.42 BMT						0.48 BMT					
	PAN FASTENED WITHOUT CYCLONIC WASHERS			CREST FASTENED WITH CYCLONIC WASHERS			PAN FASTENED WITHOUT CYCLONIC WASHERS			CREST FASTENED WITH CYCLONIC WASHERS		
	SGL.	END	INT.	SGL.	END	INT.	SGL.	END	INT.	SGL.	END	INT.
450	-	-	-	-	-	-	-	-	-	-	13.05	13.05
600	10.8	8.10	8.09	8.64	8.10	10.13	10.80	8.10	10.13	10.80	11.7	11.7
900	7.00	5.18	6.17	6.19	5.18	7.34	6.98	5.56	7.38	6.98	6.54	8.65
1200	4.05	3.01	4.52	4.05	3.01	5.05	4.05	3.57	5.18	4.05	5.05	6.68
1500	1.96	1.58	3.12	2.23	1.58	3.27	2.02	2.12	3.51	2.02	3.69	4.88
1800	0.72	0.90	1.99	0.72	0.90	1.99	0.88	1.22	2.39	0.88	2.46	3.25
2100	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.86	1.80	N/A	1.36	1.80

SGL. = SINGLE SPAN, END = END SPAN, INT. = INTERNAL SPAN

**RECOMMENDED FASTENERS**

LOCATION ON CLADDING	SINGLE & LAPPED THICKNESS 0.75mm UP TO 1.0mm bmt.	SINGLE THICKNESS >= 1.0mm UP TO 3.0mm bmt.	LAPPED THICKNESS > 1.0mm UP TO 1.9mm bmt. (3.8mm total)
CREST	M6.5 (#14)-12x55 CYCLONIC ZIPS	#14 - 10 x 42 HH	#14 - 10 x 42 HH
PAN	M6.5 (#14)-12x30 CYCLONIC ZIPS	#14 - 10 x 25 HH	#14 - 10 x 25 HH

STEEL SUPPORTS - CLASS 4: SELF DRILLING & SELF TAPPING HEX HEAD SCREW WITH EPDM SEAL  
 TIMBER SUPPORTS - CLASS 4: TYPE 17 SELF DRILLING HEX HEAD SCREW WITH EPDM SEAL

LOCATION ON CLADDING	HARDWOOD (STRENGTH GROUP J1-J3)	SOFTWOOD (STRENGTH GROUP J4)
CREST	#12 - 11 x 50 T17 HH TG/HG	#14 - 10 x 50 T17 HH M6 -11 x 50 ROOFZIPS
PAN	#12 - 11 x 25 T17 HH	#14 - 10 x 50 T17 HH

FASTENER NOTATION  
 HH - HEX HEAD  
 HG - HIGH GRIP  
 TG - TOP GRIP  
 T17 - TYPE 17

- Notes covering basis of DTC (relevant test reports etc).
- CUSTOM ORB 0.42 & 0.48 BMT CYCLONIC ROOF & WALL PRESSURE TEST. PROJECT #501855, JUNE 2008. BLUESCOPE STEEL LYSAGHT. No 7 FERNGROVE PLACE, CHESTER HILL 2162 NSW - AUSTRALIA.
  - STATIC & CYCLIC FATIGUE WITHDRAWAL CAPACITIES OF THE SELF DRILLING SCREWS IN TIMBER SUPPORTS: REPORT 5.1.2 - REPORT No 05. DECEMBER 2001. BLUESCOPE LYSAGHT No 27 STERLING RD. MINCHINBURY 2770 NSW AUSTRALIA.
  - CYCLIC PULL OUT CAPACITIES OF BUILDEX #14 - 12 X 55 CYCLONIC ROOFZIPS SCREWS. REPORT, 5.1.2 - REPORT 05 JUNE 2010. BLUESCOPE LYSAGHT No 27 STERLING RD. MINCHINBURY 2770 NSW AUSTRALIA.
  - SCREW PULL OUT CAPACITIES TO BUILDING CODE OF AUSTRALIA LOW-HI-LOW CYCLONIC TEST REGIME: REPORT.5.1.2 - REPORT 02. SEPTEMBER 2009. BLUESCOPE LYSAGHT No 27 STERLING RD. MINCHINBURY 2770 NSW AUSTRALIA.

Checking Engineer  
 Name: SANDEEP SHARMA  
 Rego Number: MIE. Aust. 3101165  
 Date: 28/03/2022  
 Signature:

Certifying Engineer  
 Name: STEPHEN HEALEY  
 NT Rego Number: 34856ES  
 Date: 07.06.2022  
 Signature:

Must be an Australian registered structural engineer

Date of Approval: 11/07/2022 Expiry: 11/07/2027



NORTHERN TERRITORY DEEMED TO COMPLY MANUAL - National Construction Code Volume 2 (Section 3.0.4 Structural resistance of materials in high wind areas)  
This product has been determined to satisfy NCC Performance Requirement P2.1.1 for structural stability and resistance.

Product Name  
CUSTOM ORB - WALLING FOR CYCLONIC REGIONS  
SHEET 2 OF 2

Product Description  
CUSTOM ORB WALLING IS MANUFACTURED FROM 0.42mm & 0.48mm BMT G550, AM125 ZINCALUME, AM100 COLORBOND/COLORBOND METALLIC, AM150 COLORBOND ULTRA. Z450 GALVSPAN MATERIAL IS AVAILABLE IN SOME LOCATIONS.

Manufacturer's Name  
**LYSAGHT**  
BlueScope Limited  
A.B.N. 16 000 011 058  
Trading as Lysaght



Design Criteria

- A. THE FOLLOWING CRITERIA FROM AS/NZS 1170.2:2021 STRUCTURAL DESIGN ACTIONS PART 2: WIND ACTIONS HAVE BEEN USED TO GENERATE THE TABLES.
  1. IMPORTANCE LEVEL 2 WITH RETURN PERIOD OF 500 YEARS
  2. VR = 66 m/sec
  3. Ms = Mt = Md = 1.0, Mc = 1.05
  4. Cpe = +0.7 / -0.65; Cpi = -0.65 / +0.7 Kce & Kci = 0.9
  5. HEIGHT MULTIPLIERS FROM TABLE 4.1 OF AS/NZS 1170.2:2021 STRUCTURAL DESIGN ACTIONS PART 2: WIND ACTIONS HAVE BEEN USED TO GENERATE THE TABLES.

HEIGHT (m)	TERRAIN / HEIGHT MULTIPLIER (Mz,cat)				
	1	2	2.5	3	4
<=5	1.01	0.91	0.87	0.83	0.75
<=10	1.08	1.00	0.92	0.83	0.75

- B. CUSTOM ORB COMPLIES WITH AUSTRALIAN STANDARDS FOR THE FOLLOWING REQUIREMENTS:
  1. SERVICEABILITY: AS/NZS 1170.0: 2002 STRUCTURAL DESIGN ACTIONS PART 0: GENERAL PRINCIPLES (INCORPORATING AMENDMENT 1,2,3,4&5)
  2. WIND LOADING: AS/NZS 1170.2: 2021 STRUCTURAL DESIGN ACTIONS PART 2: WIND ACTION.
- C. DESIGN TABLES ARE BASED ON TEST RESULTS COMPATIBLE TO AS 4040.3 - 2018 METHODS OF TESTING SHEET ROOF AND WALL CLADDING METHOD 3: RESISTANCE TO WIND PRESSURES FOR CYCLONE REGIONS.
- D. PRODUCT METALLIC COATING COMPLIES WITH AS 1397-2021 - CONTINUOUS HOT-DIP METALLIC COATED STEEL SHEET AND STRIP - COATINGS OF ZINC AND ZINC ALLOYED WITH ALUMINIUM AND MAGNESIUM & AS/NZS 2728: 2013 PREFINISHED/PREPARED SHEET METAL PRODUCTS FOR INTERIOR/EXTERIOR BUILDING APPLICATIONS - PERFORMANCE REQUIREMENTS
- E. FOR STRENGTH GROUPS OF TIMBER, REFER TO AS 1728.2: 2006 TIMBER STRUCTURES PART 2: TIMBER PROPERTIES (INCORPORATING AMENDMENT No. 1).

Limitations

1. THE DATA IN THIS SHEET SHALL BE APPLICABLE TO CUSTOM ORB WALLING ONLY. PROFILE DIMENSIONS OF CUSTOM ORB AS SUPPLIED FOR INSTALLATION SHALL COMPLY WITH CUSTOM ORB PRODUCT DRAWINGS AS DEVELOPED BY LYSAGHT.
2. INSTALLATION SHALL BE IN ACCORDANCE WITH LYSAGHT CYCLONIC AREA DESIGN MANUAL AND CUSTOM ORB MANUAL.  
<https://cdn.dcs.lysaght.com/download/lysaght-cyclonic-design-manual-steel-roofing-walling-topspan>
3. MAXIMUM SPAN TABLES ARE BASED ON MAXIMUM ROOF HEIGHT = 10M.
4. MAXIMUM OVERHANG SHALL BE DETAILED ACCORDING TO CURRENT LYSAGHT ROOFING & WALLING INSTALLATION MANUAL.
5. P2 (PRESSURE) IN THE TABLES SHALL BE INCREASED ACCORDING TO AS/NZS 1170.2:2021, STRUCTURAL DESIGN ACTIONS PART 2: WIND ACTIONS CLAUSE 5.4.1 IN THE CASE OF: ELEVATED BUILDING AND ROOF PITCH >=25 DEG
6. NO PRE-BORED HOLES PERMITTED.
7. INCREASE SCREW LENGTH IF FIXING OVER INSULATION TO MAINTAIN A MIN. OF 3 SCREW THREADS PROTRUDING ON THE FAR SIDE STEEL SUPPORT.

Accepted for Inclusion in Deemed to Comply Manual

DTCM drawing number: M/353/02

Chairperson Signature:

Chairperson Name: Paul Nowland

Date of Approval: 11/07/2022 Expiry 11/07/2027

BUILDING HEIGHT	TERRAIN CATEGORY	K1	pz (kPa)	TS4075										TS6175					TS6110									
				BATTEN SPAN (SUPPORT SPACING), mm										BATTEN SPAN (SUPPORT SPACING), mm					BATTEN SPAN (SUPPORT SPACING), mm									
				≤600	900	1200	1500	1800	≤1500	2000	2500	3000	3500	4000	≤1500	2000	2500	3000	3500	4000	≤1500	2000	2500	3000	3500	4000		
UP TO 5M	1	1	3.57	1455	1030	675	510	350	200	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100

- BATTEN SPACING TABLE NOTES:**
1. MAXIMUM SPACING COULD BE GOVERNED BY CAPACITY OF BATTENS AND THEIR CONNECTIONS TO SUPPORTING MEMBERS AS WELL AS PULL-OUT CAPACITIES OF FASTENERS CONNECTING LYSAGHT CLADDINGS TO BATTEN.
  2. SPACING OF BATTENS SHALL NOT EXCEED BOTH MAXIMUM SPAN AND MAXIMUM SUPPORT SPACING OF CLADDING AS GIVEN IN SHEET 1.
  3. FASTENER REQUIREMENTS FOR FIXING TS4075 TO SUPPORTS IN BATTEN SPACING TABLE:
    - STEEL SUPPORTS:
      - 1.00mm BMT: 2x #14(M6.5)-12X30 CYCLONIC ROOF ZIPS®
      - 1.20-1.9mm BMT: 2x #14-10X25 HEX. HEAD SELF DRILLING SELF TAPPING TEKS®
      - 'BUILDEX' M6.5-12X30 CYCLONIC ROOF ZIPS = #14-12X30 CYCLONIC ROOF ZIPS
    - TIMBER SUPPORTS:
      - 2x 'BUILDEX' #12(M5.5)-11x40 BATTENZIPS
  4. FASTENER REQUIREMENTS FOR FIXING TS6175 OR TS6110 TO SUPPORTS IN BATTEN SPACING TABLE:
    - STEEL SUPPORT 1.20-1.9mm BMT: 4x #14-10X25 HEX. HEAD SELF DRILLING SELF TAPPING TEKS®
    - TIMBER SUPPORTS: 4x 'BUILDEX' #12(M5.5)-11x40 BATTENZIPS

- DESIGN CAPACITY TABLE NOTES:**
1. STEEL SUPPORT FASTENER SPECIFICATION:
    - 1.00mm BMT: #14(M6.5)-12X30 CYCLONIC ROOF ZIPS®
    - 1.20-1.9mm BMT: #14-10X25 HEX. HEAD SELF DRILLING SELF TAPPING TEKS®
    - 'BUILDEX' M6.5-12X30 CYCLONIC ROOF ZIPS = #14-12X30 CYCLONIC ROOF ZIPS
  2. TIMBER SUPPORT FASTENER SPECIFICATION: 'BUILDEX' #12(M5.5)-11x40 BATTENZIPS
  3. DESIGN CAPACITY TABLE CAN BE USED TO DESIGN TS4075, TS6175 & TS6110 WITH TIMBER SUPPORTS:
    - 2 FASTENER CONNECTION: SOFTWOOD TIMBER = 1.5mm bmt STEEL SUPPORT, HARDWOOD TIMBER = 1.9mm bmt STEEL SUPPORT.
    - 4 FASTENER CONNECTION: HARDWOOD/SOFTWOOD TIMBER SUPPORT = 1.9bmt STEEL SUPPORT.
  4. OUTWARD CAPACITY SHALL BE LIMITED BY THE MINIMUM VALUE BETWEEN MEMBER STRENGTH AND FASTENERS CAPACITY.
  5. TS4075 BATTEN SHALL BE CONTINUOUS OVER AT LEAST 2 SPANS, LAPPED 40mm MINIMUM AT THE SUPPORT LOCATIONS.
  6. TS6175 AND TS6110 BATTENS SHALL BE CONTINUOUS OVER AT LEAST 2 SPANS, STRUCTURAL LAPPING DISTANCE AT SUPPORT IS MINIMUM 15% OF THE LONGER SPAN. NON STRUCTURAL LAPPING DISTANCE IS 40mm MINIMUM AT THE SUPPORT LOCATIONS.

**TS6175, TS6110 DESIGN CAPACITY TABLE - OUTWARD, CONTINUOUS/LAPPED SPAN**

SPAN (mm)	MEMBER STRENGTH (kN/m)	2 FASTENER CAPACITY (kN/m)		4 FASTENER CAPACITY (kN/m)						
		SUPPORT THICKNESS (mm/bmt)		SUPPORT THICKNESS (mm/bmt)						
		#14(M6.5)-12x30	#14-10x25	#14(M6.5)-12x30	#14-10x25					
		1.0mm	1.2mm	1.5mm	1.9mm	1.0mm	1.2mm	1.5mm	1.9mm	
≤1500	4.31	5.88	1.90	2.48	3.10	4.12	2.67	3.59	4.52	5.41
2000	2.68	2.91	1.43	1.86	2.33	3.09	2.01	2.69	3.39	4.06
2500	1.48	2.17	1.14	1.49	1.86	2.47	1.60	2.16	2.71	3.25
3000	1.13	1.66	0.95	1.24	1.55	2.06	1.34	1.80	2.26	2.71
3500	0.94	1.20	0.82	1.06	1.33	1.76	1.15	1.54	1.94	2.32
4000	0.74	0.94	0.71	0.93	1.16	1.54	1.00	1.35	1.69	2.03

**TS4075 DESIGN CAPACITY TABLE - OUTWARD, CONTINUOUS SPAN**

SPAN (mm)	MEMBER STRENGTH (kN/m)	2 FASTENER CAPACITY (kN/m)		4 FASTENER CAPACITY (kN/m)	
		SUPPORT THICKNESS (mm/bmt)		SUPPORT THICKNESS (mm/bmt)	
		#14(M6.5)-12x30	#14-10x25	#14(M6.5)-12x30	#14-10x25
		1.0mm	1.2mm	1.5mm	1.9mm
≤600	7.98	5.51	7.19	8.99	11.93
900	4.72	3.68	4.79	5.99	7.95
1200	2.41	2.76	3.59	4.49	5.96
1500	1.83	2.21	2.88	3.60	4.77
1800	1.25	1.84	2.40	3.00	3.98

NOTES:

1. REFER TO "TOPSPAN 61 WALLING BATTENS FOR CYCLONIC REGIONS" & "TOPSPAN 4075 WALLING BATTENS FOR CYCLONIC REGION FOR BATTEN" DTCM DRAWINGS FOR DIMENSIONS, SPACING, SPANS, CONNECTIONS DETAILS AND TEST REPORTS.
2. 'FULL SCALE TOPSPAN 4075,6175,6110 ROOFING BATTENS TESTING TO BUILDING CODES OF AUSTRALIA'S LOW-HIGH-LOW CYCLONIC TEST', REGIME. INDEX No. 5.1.2 - REPORT 04, AUGUST 2010, BLUESCOPE LYSAGHT No. 27 STERLING RD, MINCHINBURY 2770 AUSTRALIA.
3. 'WITHDRAWAL CAPACITIES OF TOPSPAN BATTEN TO TIMBER SUPPORT CONNECTIONS USING BUILDEX BATTENZIPS M5.5 - 11 x 40 FASTENERS', INDEX No. 5.1.2 - REPORT 06, DECEMBER 2010, BLUESCOPE LYSAGHT No. 27 STERLING RD, MINCHINBURY 2770 AUSTRALIA.
4. 'PULLOUT CAPACITIES OF SCREW FASTENED CONNECTIONS THROUGH LYSAGHT TOPSPAN BATTENS TO STEEL PURLINS', INDEX No. 5.4.3 - REPORT 01, NOVEMBER 2010, BLUESCOPE LYSAGHT No. 27 STERLING RD, MINCHINBURY 2770 AUSTRALIA.

Checking Engineer  
Name: SANDEEP SHARMA  
Rego. Number: MIE AUST. 3101165  
Date: 23/03/2022  
Signature:

Certifying Engineer  
Name: STEPHEN HEALEY  
NT Rego. Number: 34856ES  
Date: 07.06.2022  
Signature:

Must be an Australian registered structural engineer

Must be a registered structural engineer in the Northern Territory