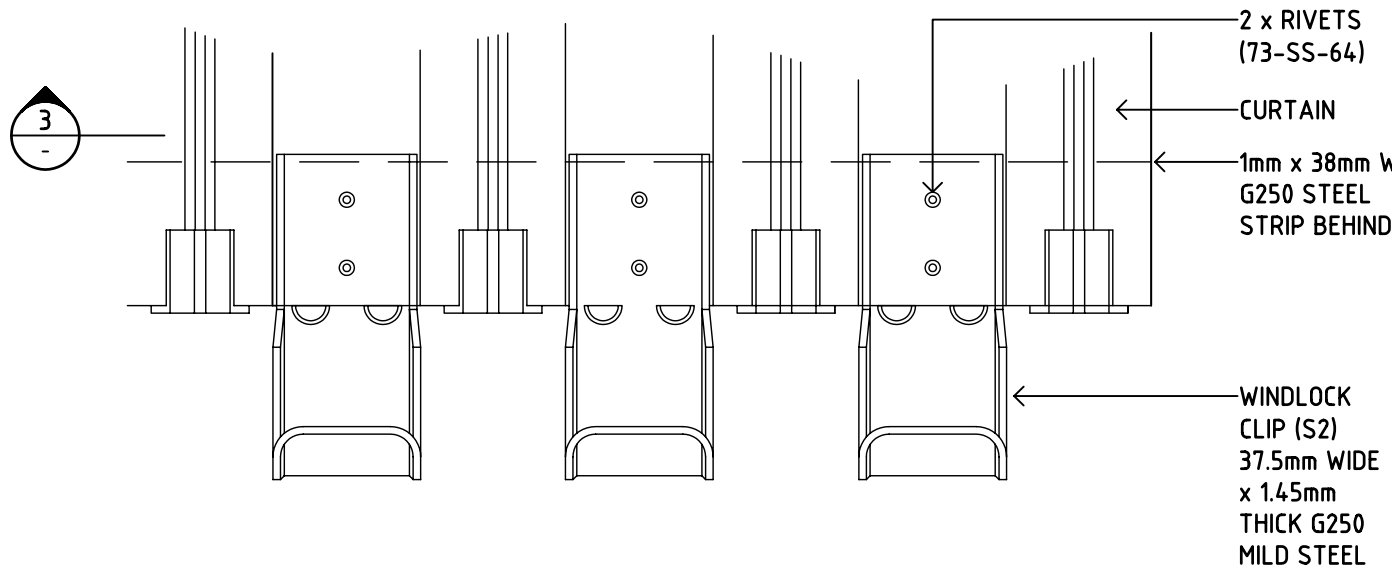


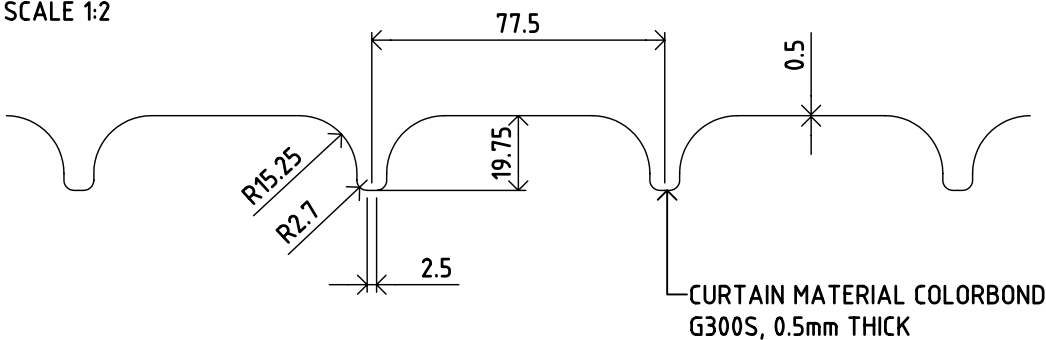
SERIES 2 ROLL-A-DOOR
ELEVATION - TYPICAL

SCALE 1:50
CURTAIN WIDTH (L) = OPENING WIDTH + CURTAIN OVERLAPS
(REFER TO DRAWINGS S05, S08 & S09)



CURTAIN MATERIAL AND
WIND-LOCK CLIPS - PART PLAN

AS VIEWED FROM BACK FACE
SCALE 1:2



SECTION
SCALE = 1:2

NOTES :

DESIGN CRITERIA

- (REFER ALSO TO NOTES COVERING BASIS OF DRAWINGS & LIMITATIONS)
- REGION C
- TERRAIN CATEGORY 2
- DOOR HEIGHT 5.1m MAX.
- INTERNAL PRESSURE COEFFICIENTS, Cpi = (-0.3,+0.6) NOMINAL
- BUILDING IMPORTANCE = LEVEL 2
- REGION WINDSPEED VR = 69.3m/s
- DOORS ARE RATED UP TO AN ULTIMATE DESIGN OUTWARD WIND PRESSURE = 3.01 kPa FOR A MAXIMUM ALLOWABLE CURTAIN WIDTH (L) OF 5500mm.
- FOR THE ABOVE DESIGN CRITERIA PROVIDE CLIPS AT EVERY FLAT AS SHOWN ON PART PLAN - CURTAIN MATERIAL AND WIND-LOCK CLIPS.
- CURTAIN HEIGHT = OPENING HEIGHT.
- OPENING WIDTH = CURTAIN WIDTH - CURTAIN OVERLAPS (REFER SECTION 4 ON DRAWINGS S05, S08 AND S09).

LIMITATIONS

- (REFER ALSO TO NOTES COVERING BASIS OF DRAWINGS AND DESIGN CRITERIA).
- STEEL ABUTMENT POSTS TO BE 2.4mm (MIN.) IN THICKNESS WITH A MINIMUM STRESS GRADE OF G250 U.N.O.
- CHARACTERISTIC UNCONFINED COMPRESSIVE STRENGTH OF BLOCK WALL UNIT (f'uc) = 15 MPa (MIN.)
- CORE FILLING OF BLOCKWALL (f'c) = 15 MPa (MIN.)
- THE STRUCTURE TO WHICH THE DOOR IS ATTACHED SHALL BE ASSESSED AND CERTIFIED INDEPENDENTLY AS REQUIRED BY A SUITABLY QUALIFIED ENGINEER.
- ALTERNATIVE DESIGN PARAMETERS TO WHAT ARE SPECIFIED ON THESE DRAWINGS ALONG WITH ALTERNATIVE SITE SPECIFIC LOCAL PRESSURE FACTORS MAY BE ADOPTED PROVIDED THE CALCULATED ULTIMATE DESIGN WIND PRESSURES DO NOT EXCEED THE VALUES GIVEN IN FIGURE A.
- THE BUILDING DESIGN ENGINEER IS TO ENSURE THAT THE SITE SPECIFIC DESIGN WIND LOADINGS DO NOT EXCEED THE ULTIMATE DESIGN WIND PRESSURE RATINGS GIVEN IN FIGURE A.
- DOORS MAY BE POSITIONED AT ANY LOCATION ALONG THE BUILDING ENVELOPE INCLUDING ALL LOCAL PRESSURE ZONES (ie. CORNERS OF BUILDINGS), PROVIDED THE CALCULATED ULTIMATE DESIGN WIND PRESSURES DO NOT EXCEED THE VALUES IN FIGURE A.
- PROVIDE CLIPS AT EVERY FLAT OR EVERY SECOND FLAT AS REQUIRED (REFER TO FIGURE A).

NOTES COVERING BASIS OF DRAWINGS

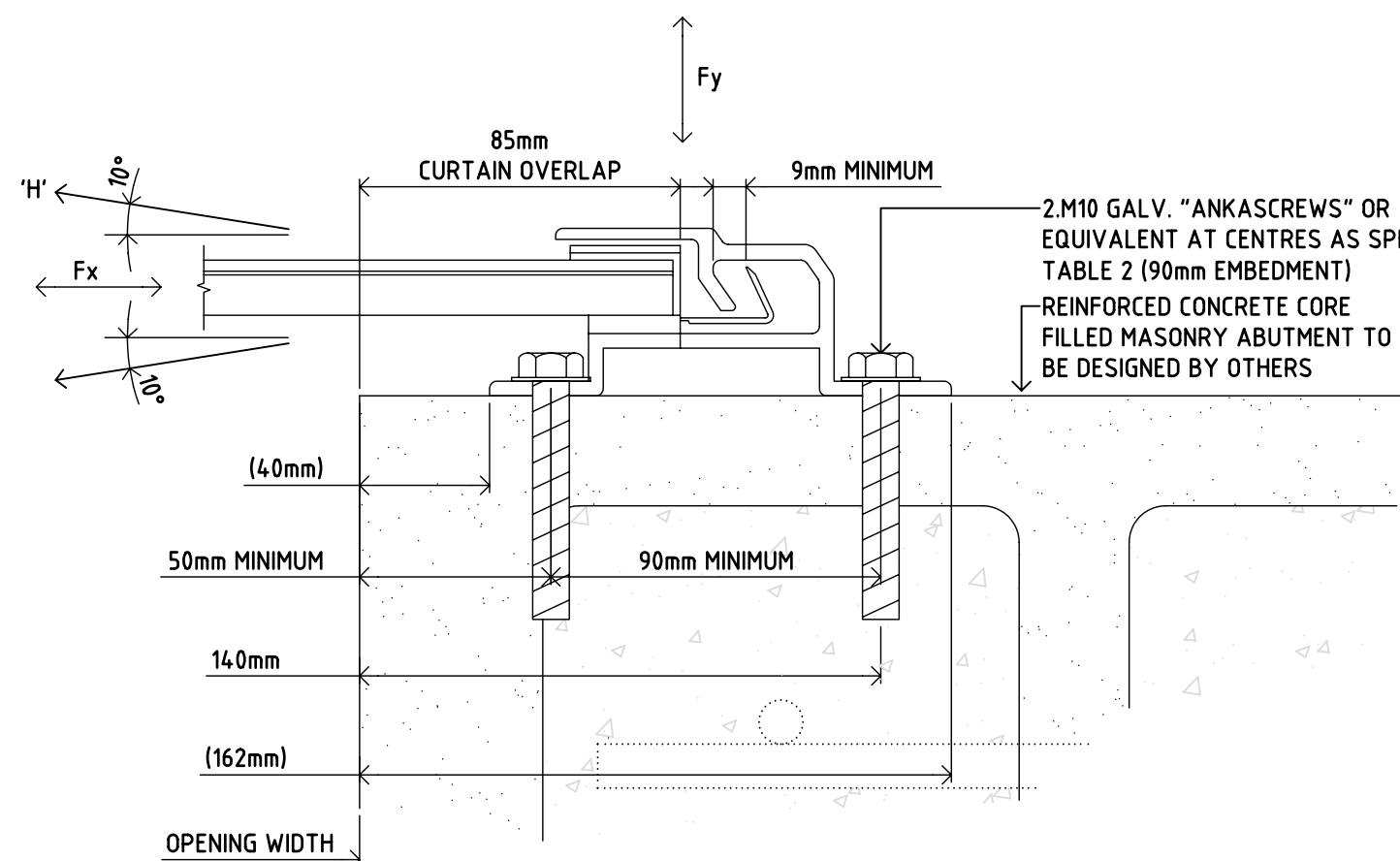
- REFER ALSO TO DESIGN CRITERIA AND LIMITATIONS.
- TEST REPORT NO.'s TS895 AND TS907 (CYCLONE TESTING STATION, SCHOOL OF ENGINEERING AND PHYSICAL SCIENCES, JAMES COOK UNIVERSITY).
- PRINCIPLES OF MECHANICS.
- AS/NZS 1170.2:2011 STRUCTURAL DESIGN ACTIONS - PART 2: WIND ACTIONS.
- AS/NZS 1170.0:2002 STRUCTURAL DESIGN ACTIONS - PART 0: GENERAL PRINCIPLES.
- AS/ANZ 4505:2012 GARAGE DOORS AND OTHER LARGE ACCESS DOORS.
- AS 4100:1998 STEEL STRUCTURES.
- AS 3700:2001 MASONRY STRUCTURES.
- AS/NZS 4600:2005 COLD FORMED STEEL STRUCTURES.
- AS/NZS 1664.1:1997 ALUMINIUM STRUCTURES PART 1 - LIMIT STATE DESIGN.
- AS/NZS 1170.1:2002 STRUCTURAL DESIGN ACTIONS - PART 1: PERMANENT, IMPOSED AND OTHER ACTIONS.
- AS 1720.1:2010 TIMBER STRUCTURES, PART 1 - DESIGN METHODS.
- ALL DOOR COMPONENTS TO BE IN ACCORDANCE WITH STANDARD B&D SERIES 2 ROLL-A-DOOR MANUFACTURING.
- DOOR INSTALLATION TO BE IN ACCORDANCE WITH STANDARD B&D SERIES 2 ROLL-A-DOOR INSTALLATION GUIDELINES.

ISSUE	DATE	AMENDMENTS
E	13.05.13	ISSUED FOR CONSTRUCTION
F	26.06.13	GENERAL REVISION
G	09.07.13	GENERAL REVISION
H	02.11.13	GENERAL REVISION
J	02.06.14	GENERAL REVISION

CLIENT	B&D AUSTRALIA PTY LTD
PROJECT	B&D SERIES 2 ROLL-A-DOOR FOR USE IN ALL WIND REGIONS

DRAWING	SERIES 2 ROLL-A-DOOR, ELEVATION PART PLAN, SECTION AND NOTES
DESIGNED	J.E.
DRAWN	AAB
CHECKED & APPROVED	
DATE	June 2014

DRAWING No.	S04 J
PROJECT No.	2289



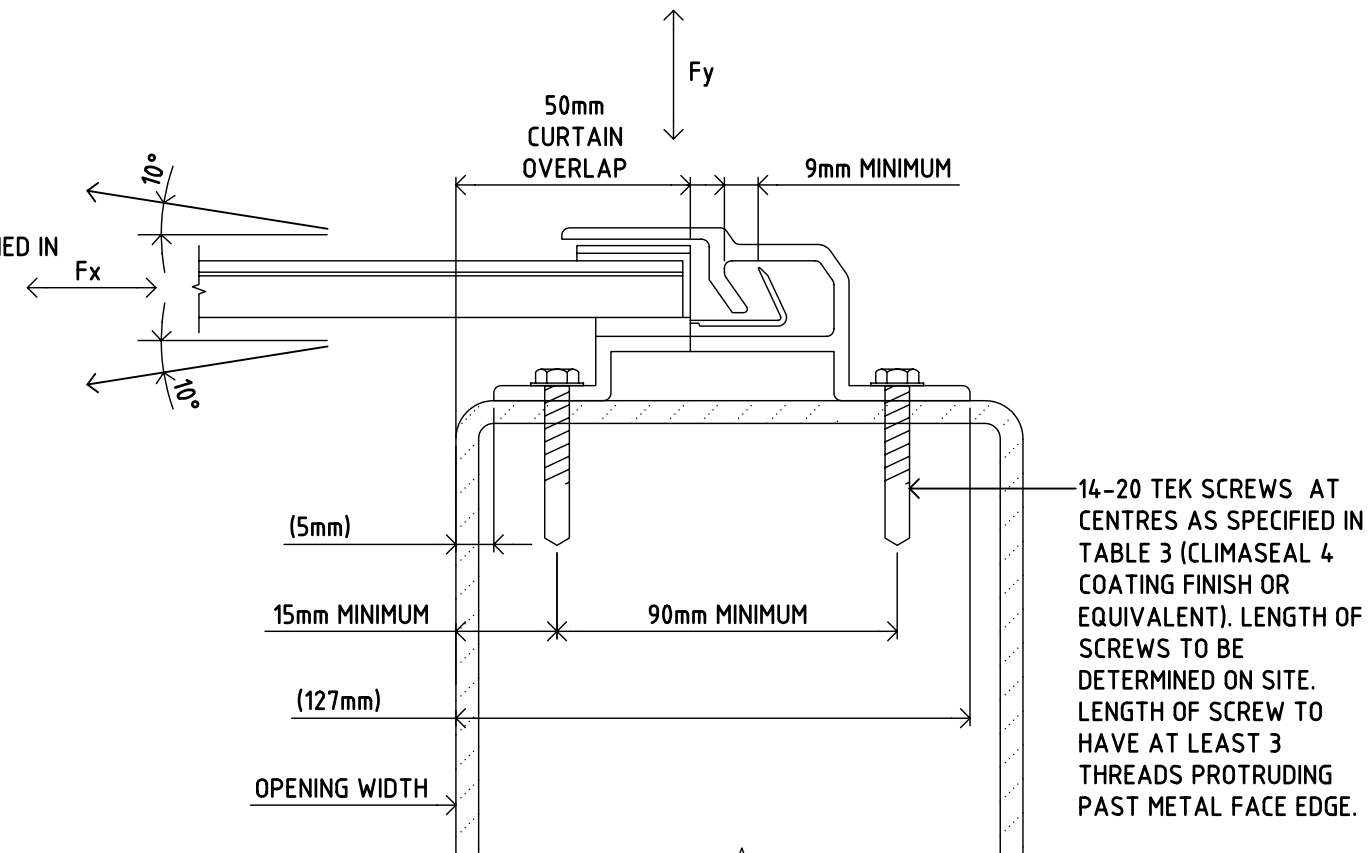
SECTION 4 PLAN

SCALE = 1:2

GUIDE SUPPORTED BY REINFORCED CONCRETE CORE FILLED MASONRY UNITS (REFER TO TABLE 2 FOR DETAILS).

NOTE:

- THE ABOVE FIXING DETAIL HAS BEEN BASED ON THE RELEVANT MAXIMUM DESIGN SPANS AS GIVEN IN TABLE 2.
- FIXINGS INTO REINFORCED CONCRETE CORE FILLED BLOCK WALL ABUTMENTS HAVE BEEN DESIGNED USING THE RAMSET-SPECIFIERS RESOURCE BOOK.
- THE FOLLOWING CODES OF PRACTICE WERE ALSO CONSIDERED IN THE DESIGN OF THE ABOVE FIXING DETAIL:
AS/NZS 1664.1:1997 ALUMINIUM STRUCTURES PART 1: LIMIT STATE DESIGN.
AS 3700-2001 MASONRY STRUCTURES.



SECTION 4 PLAN

SCALE = 1:2

GUIDE SUPPORTED BY STEEL FRAME (REFER TO TABLE 3 FOR DETAILS).

NOTE:

- THE ABOVE FIXING DETAIL HAS BEEN BASED ON THE RELEVANT MAXIMUM DESIGN SPANS AS GIVEN IN TABLE 3.
- FIXINGS INTO STRUCTURAL STEEL ABUTMENTS HAVE BEEN DESIGNED USING TECHNICAL DATA PROVIDED BY BUILDEX FASTENERS.
- THE FOLLOWING CODES OF PRACTICE WERE ALSO CONSIDERED IN THE DESIGN OF THE ABOVE FIXING DETAIL:
AS 4100:1998 STEEL STRUCTURES.
AS/NZS 4600:2005 COLD FORMED STEEL STRUCTURES
AS/NZS 1664.1:1997 ALUMINIUM STRUCTURES PART 1: LIMIT STATE DESIGN.

ISSUE	DATE	AMENDMENTS
D	13.05.13	ISSUED FOR CONSTRUCTION
E	13.05.13	ISSUED FOR CONSTRUCTION
G	09.07.13	GENERAL REVISION
H	02.11.13	GENERAL REVISION
J	02.06.14	GENERAL REVISION

CLIENT	B&D AUSTRALIA PTY LTD
PROJECT	B&D SERIES 2 ROLL-A-DOOR FOR USE IN ALL WIND REGIONS

DRAWING	SERIES 2 ROLL-A-DOOR SUPPORT SECTION DETAILS
James Ellis & Associates	Consulting Structural Engineers
SCALE	DESIGNED J.E.
DRAWN AAB	CHECKED & APPROVED [Signature]
DATE	June 2014

DRAWING No.	S05
PROJECT No.	2289

FIGURE (A)
ULTIMATE DESIGN WIND
CAPACITY FOR A GIVEN SPAN

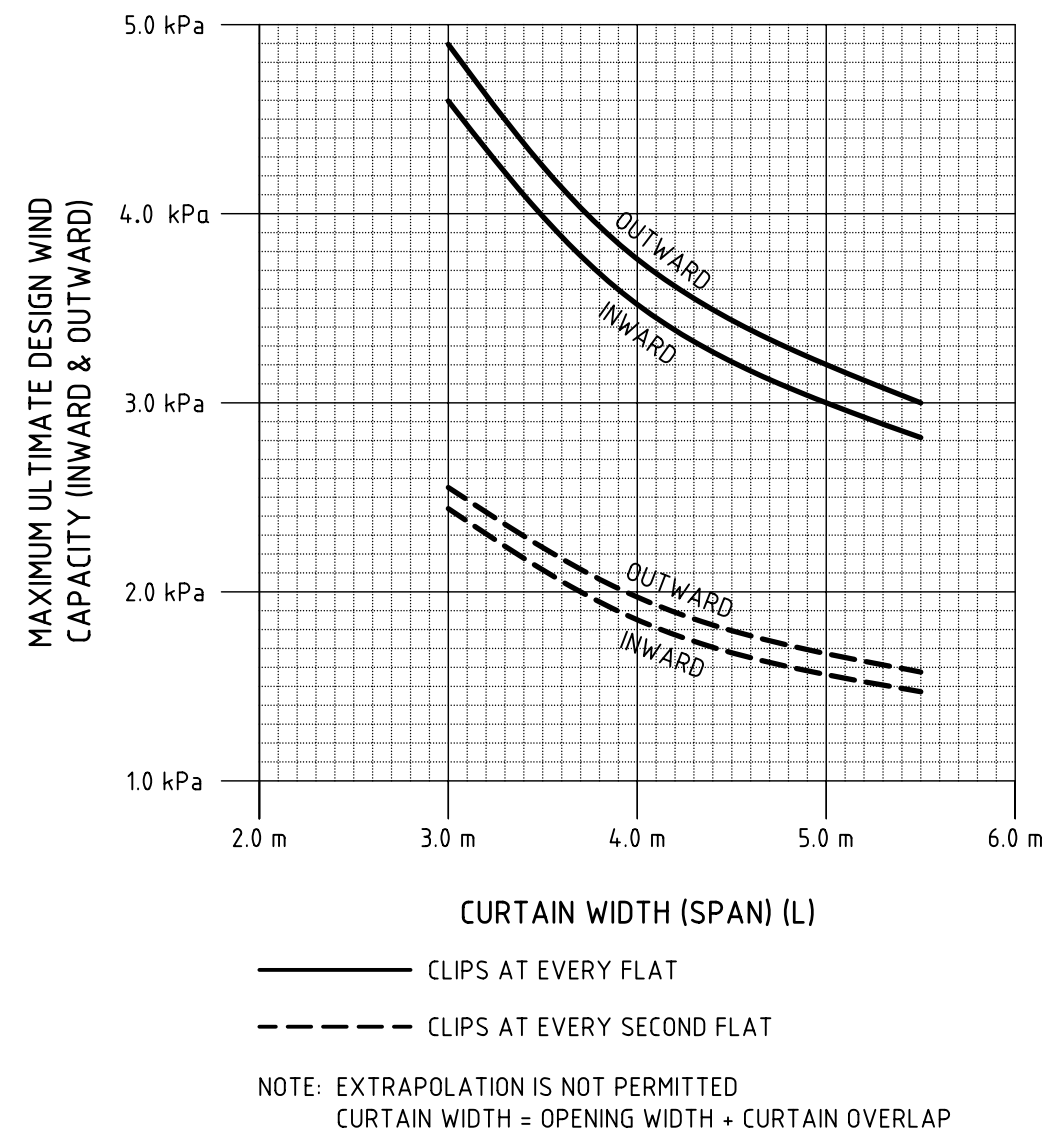
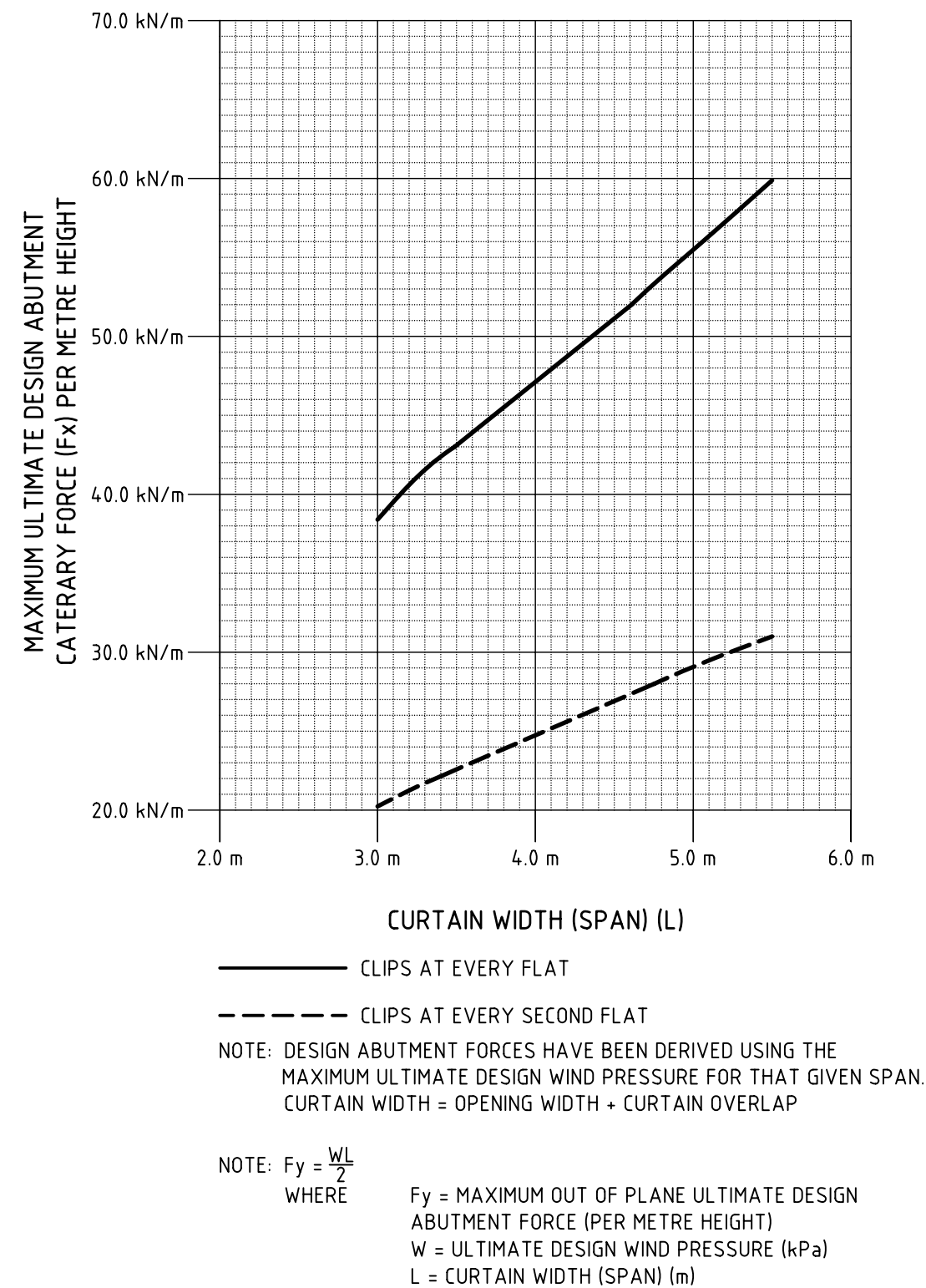


FIGURE (B)
ULTIMATE DESIGN CATENARY
FORCE FOR A GIVEN SPAN



ISSUE	DATE	AMENDMENTS
D	13.05.13	ISSUED FOR CONSTRUCTION
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J	02.06.14	GENERAL REVISION

CLIENT	B&D AUSTRALIA PTY LTD
PROJECT	B&D SERIES 2 ROLL-A-DOOR FOR USE IN ALL WIND REGIONS

DRAWING	SERIES 2 ROLL-A-DOOR DESIGN GRAPHS	SCALE
	James Ellis & Associates	DESIGNED J.E.
	Consulting Structural Engineers	DRAWN AAB
		CHECKED & APPROVED [Signature]
		DATE June 2014

DRAWING No.	S06 J
PROJECT No.	2289

TABLE 1

QUICK REFERENCE GUIDE ON MAXIMUM ALLOWABLE SPANS FOR BUILDERS AND BUILDING CERTIFIERS

REGION	TERRAIN CATEGORY	UP TO 5.1m HIGH	
		CLIPS AT EVERY FLAT	CLIPS AT EVERY SECOND FLAT
A	2	5.5m	5.5m
	2.5	5.5m	5.5m
	3	5.5m	5.5m
B	2	5.5m	4.0m
	2.5	5.5m	4.5m
	3	5.5m	5.0m
C	2	5.5m	N/A
	2.5	5.5m	N/A
D	2	3.0m	N/A
	2.5	3.3m	N/A

- NOTE:
- FOR WIND REGIONS A & B, INTERNAL PRESSURE COEFFICIENTS (Cpi) OF -0.3 & +0.2 WERE ADOPTED.
 - FOR WIND REGIONS C & D, INTERNAL PRESSURE COEFFICIENTS (Cpi) OF -0.3 & +0.6 WERE ADOPTED.
 - MAXIMUM ALLOWABLE SPANS = CURTAIN WIDTH.
 - CURTAIN WIDTH = OPENING WIDTH + CURTAIN OVERLAP (REFER DRAWINGS S02,S03,S07 & S08).

TABLE 2

QUICK REFERENCE GUIDE ON FASTENING SPECIFICATIONS ONTO BLOCKWORK ABUTMENTS FOR BUILDERS AND BUILDING CERTIFIERS

FASTENING SPECIFICATION ONTO BLOCKWORK ABUTMENTS		
SPAN	CLIPS AT EVERY FLAT	CLIPS AT EVERY SECOND FLAT
3000-3499mm	2 x M10 GAL ANKASCREW AT 300 CTS.	2 x M10 GAL ANKASCREW AT 400 CTS.
3500-3999mm	2 x M10 GAL ANKASCREW AT 275 CTS.	2 x M10 GAL ANKASCREW AT 400 CTS.
4000-4499mm	2 x M10 GAL ANKASCREW AT 250 CTS.	2 x M10 GAL ANKASCREW AT 400 CTS.
4500-4999mm	2 x M10 GAL ANKASCREW AT 225 CTS.	2 x M10 GAL ANKASCREW AT 400 CTS.
5000-5500mm	2 x M10 GAL ANKASCREW AT 200 CTS.	2 x M10 GAL ANKASCREW AT 400 CTS.

- NOTE:
- SPAN = CURTAIN WIDTH
 - CURTAIN WIDTH = OPENING WIDTH + CURTAIN OVERLAP (REFER TO DRAWING DRAWINGS S02,S03,S07 & S08).

TABLE 4

QUICK REFERENCE GUIDE ON FASTENING SPECIFICATIONS ONTO TIMBER FRAMED ABUTMENTS FOR BUILDERS AND BUILDING CERTIFIERS

FASTENING SPECIFICATION ONTO TIMBER FRAMED ABUTMENTS		
SPAN	CLIPS AT EVERY FLAT	CLIPS AT EVERY SECOND FLAT
3000-3499mm	2 x 14-20 TYPE 17 WOOD SCREWS AT 100 CTS.	2 x 14-20 TYPE 17 WOOD SCREWS AT 200 CTS.
3500-3999mm	2 x 14-20 TYPE 17 WOOD SCREWS AT 100 CTS.	2 x 14-20 TYPE 17 WOOD SCREWS AT 200 CTS.
4000-4499mm	2 x 14-20 TYPE 17 WOOD SCREWS AT 75 CTS.	2 x 14-20 TYPE 17 WOOD SCREWS AT 150 CTS.
4500-4999mm	2 x 14-20 TYPE 17 WOOD SCREWS AT 75 CTS.	2 x 14-20 TYPE 17 WOOD SCREWS AT 150 CTS.
5000-5500mm	2 x 14-20 TYPE 17 WOOD SCREWS AT 75 CTS.	2 x 14-20 TYPE 17 WOOD SCREWS AT 150 CTS.

- NOTE:
- SPAN = CURTAIN WIDTH
 - CURTAIN WIDTH = OPENING WIDTH + CURTAIN OVERLAP (REFER TO DRAWING DRAWINGS S02,S03,S07 & S08).
 - FASTENING SPECIFICATIONS WERE DERIVED USING THE MAXIMUM ULTIMATE DESIGN WIND PRESSURE FOR EACH GIVEN SPAN.

TABLE 3

QUICK REFERENCE GUIDE ON FASTENING SPECIFICATIONS ONTO STEEL ABUTMENTS FOR BUILDERS AND BUILDING CERTIFIERS

FASTENING SPECIFICATION ONTO 2.4mm (MINIMUM) THICK G250 STEEL ABUTMENTS		
SPAN	CLIPS AT EVERY FLAT	CLIPS AT EVERY SECOND FLAT
3000-3499mm	2 x 14-20 TEK SCREWS AT 250 CTS.	2 x 14-20 TEK SCREWS AT 400 CTS.
3500-3999mm	2 x 14-20 TEK SCREWS AT 225 CTS.	2 x 14-20 TEK SCREWS AT 400 CTS.
4000-4499mm	2 x 14-20 TEK SCREWS AT 200 CTS.	2 x 14-20 TEK SCREWS AT 400 CTS.
4500-4999mm	2 x 14-20 TEK SCREWS AT 175 CTS.	2 x 14-20 TEK SCREWS AT 375 CTS.
5000-5500mm	2 x 14-20 TEK SCREWS AT 150 CTS.	2 x 14-20 TEK SCREWS AT 350 CTS.

- NOTE:
- SPAN = CURTAIN WIDTH
 - CURTAIN WIDTH = OPENING WIDTH + CURTAIN OVERLAP (REFER TO DRAWINGS SS02,S03,S07 & S08).

TABLE 5


QUICK REFERENCE GUIDE ON FASTENING SPECIFICATIONS ONTO UNREINFORCED CLAY MASONRY ABUTMENTS FOR BUILDERS AND BUILDING CERTIFIERS

FASTENING SPECIFICATION ONTO UNREINFORCED CLAY MASONRY ABUTMENTS		
SPAN	CLIPS AT EVERY FLAT	CLIPS AT EVERY SECOND FLAT
3000-3499mm	REFER TO COMMENTS IN NOTES BELOW	2.M10 ANKASCREWS AT EVERY THIRD BRICK COURSE (MAX. 255 CTS.)
3500-3999mm	REFER TO COMMENTS IN NOTES BELOW	2.M10 ANKASCREWS AT EVERY THIRD BRICK COURSE (MAX. 255 CTS.)
4000-4499mm	REFER TO COMMENTS IN NOTES BELOW	2.M10 ANKASCREWS AT EVERY SECOND BRICK COURSE (MAX. 170 CTS.)
4500-4999mm	REFER TO COMMENTS IN NOTES BELOW	2.M10 ANKASCREWS AT EVERY SECOND BRICK COURSE (MAX. 170 CTS.)
5000-5500mm	REFER TO COMMENTS IN NOTES BELOW	2.M10 ANKASCREWS AT EVERY SECOND BRICK COURSE (MAX. 170 CTS.)

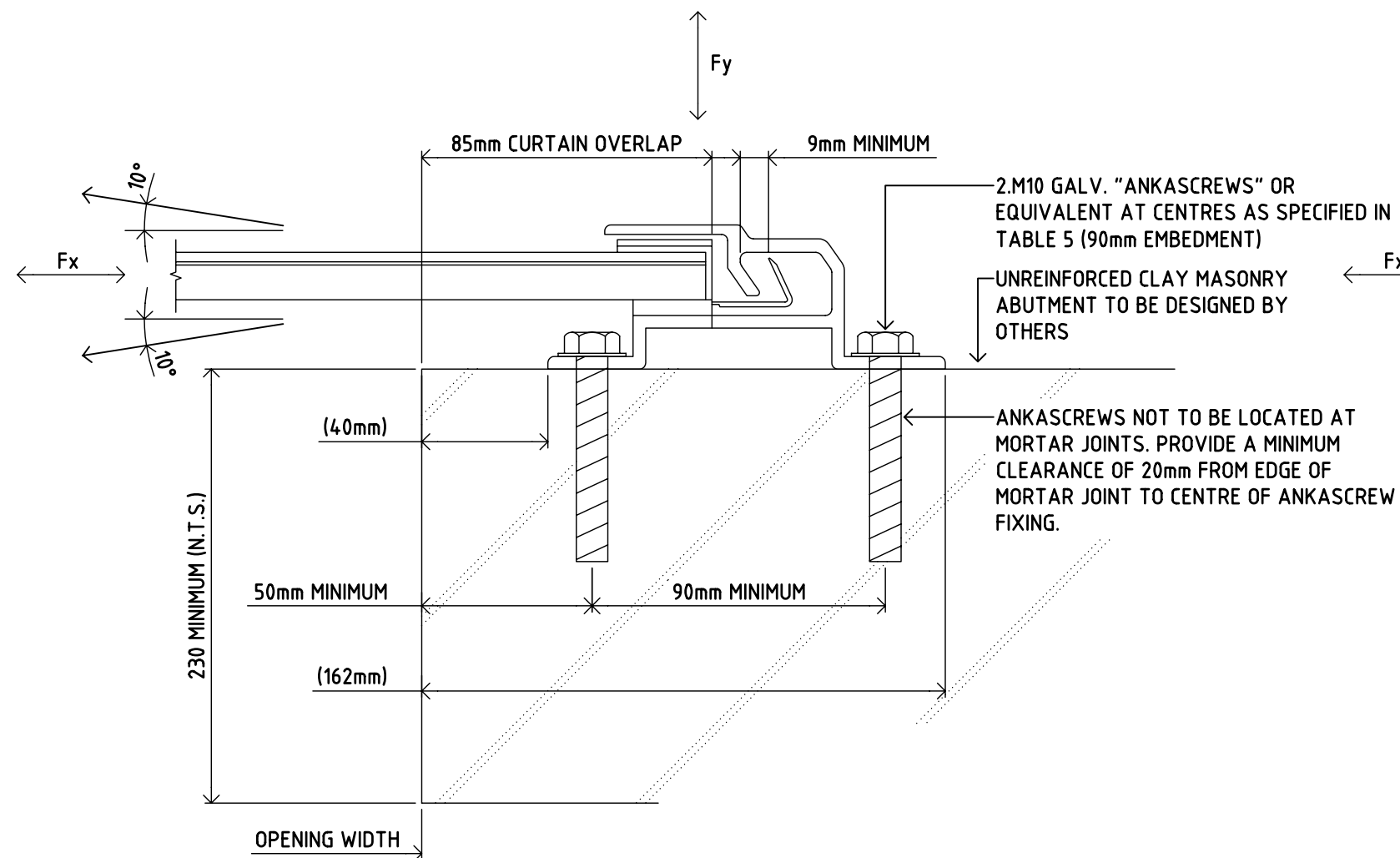
- NOTE:
- SPAN = CURTAIN WIDTH
 - CURTAIN WIDTH = OPENING WIDTH + CURTAIN OVERLAP (REFER TO DRAWINGS S02,S03,S07 & S08).
 - FASTENING SPECIFICATIONS WERE DERIVED USING THE MAXIMUM ULTIMATE DESIGN WIND PRESSURE FOR EACH GIVEN SPAN.
 - FASTENING SPECIFICATIONS INTO UNREINFORCED CLAY MASONRY FOR CURTAINS WITH CLIPS AT EVERY FLAT CAN ONLY BE SPECIFIED FOR REGIONS A OR B. FASTENING SPECIFICATION FOR THIS VARY DEPENDING ON WIND REGION AND TERRAIN CATEGORY.

ISSUE	DATE	AMENDMENTS
C	13.05.13	ISSUED FOR CONSTRUCTION
E	13.05.13	ISSUED FOR CONSTRUCTION
G	09.07.13	GENERAL REVISION
H	02.11.13	GENERAL REVISION
J	02.06.14	GENERAL REVISION

CLIENT	B&D AUSTRALIA PTY LTD
PROJECT	B&D SERIES 2 ROLL-A-DOOR FOR USE IN ALL WIND REGIONS

DRAWING	SERIES 2 ROLL-A-DOOR SPAN AND FASTENING SPECIFICATION TABLES	SCALE
		DESIGNED J.E.
	James Ellis & Associates	DRAWN AAB
	Consulting Structural Engineers	CHECKED& APPROVED 
		DATE June 2014

DRAWING No.	S07 J
PROJECT No.	2289



SECTION 4 PLAN

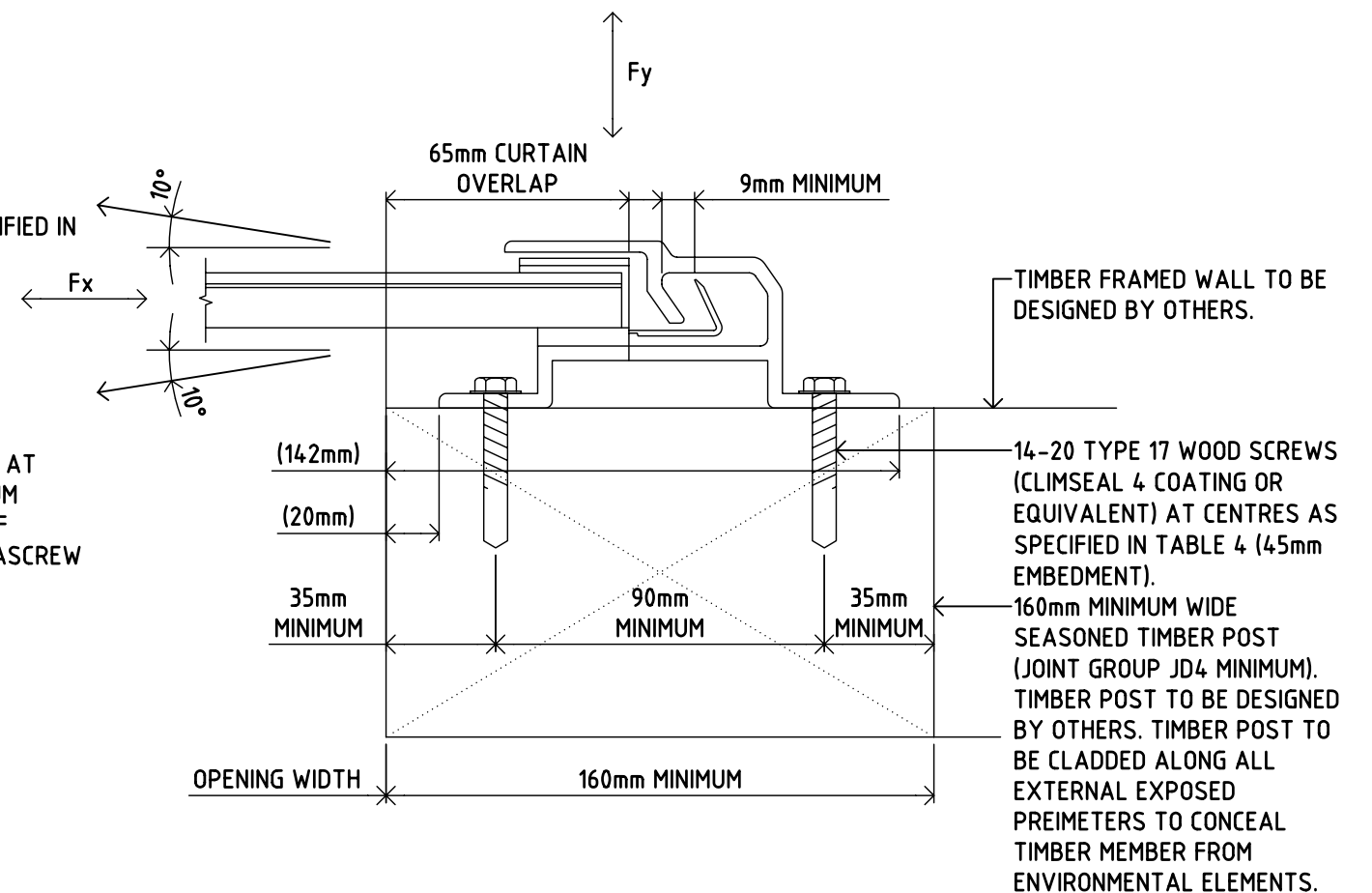
SCALE = 1:2

GUIDE SUPPORTED BY UNREINFORCED CLAY MASONRY WALLS (REFER TO TABLE 5 FOR DETAILS).

NOTE:

- THE ABOVE FIXING DETAIL HAS BEEN BASED ON THE RELEVANT MAXIMUM DESIGN SPANS AS GIVEN IN TABLE 5.
- FIXINGS INTO UNREINFORCED CLAY MASONRY ABUTMENTS HAVE BEEN DESIGNED USING THE RAMSET-SPECIFIERS RESOURCE BOOK.
- THE FOLLOWING CODES OF PRACTICE WERE ALSO CONSIDERED IN THE DESIGN OF THE ABOVE FIXING DETAIL:

AS/NZS 1664.1:1997 ALUMINIUM STRUCTURES PART 1: LIMIT STATE DESIGN.
AS 3700-2001 MASONRY STRUCTURES.



SECTION 4 PLAN

SCALE = 1:2

GUIDE SUPPORTED BY TIMBER (REFER TO TABLE 4 FOR DETAILS).

NOTE:

- THE ABOVE FIXING DETAIL HAS BEEN BASED ON THE RELEVANT MAXIMUM DESIGN SPANS AS GIVEN IN TABLE 4.
- FIXINGS INTO TIMBER FRAMED ABUTMENTS HAVE BEEN DESIGNED USING TECHNICAL DATA PROVIDED BY BUILDEX FASTENERS.
- THE FOLLOWING CODES OF PRACTICE WERE ALSO CONSIDERED IN THE DESIGN OF THE ABOVE FIXING DETAIL:

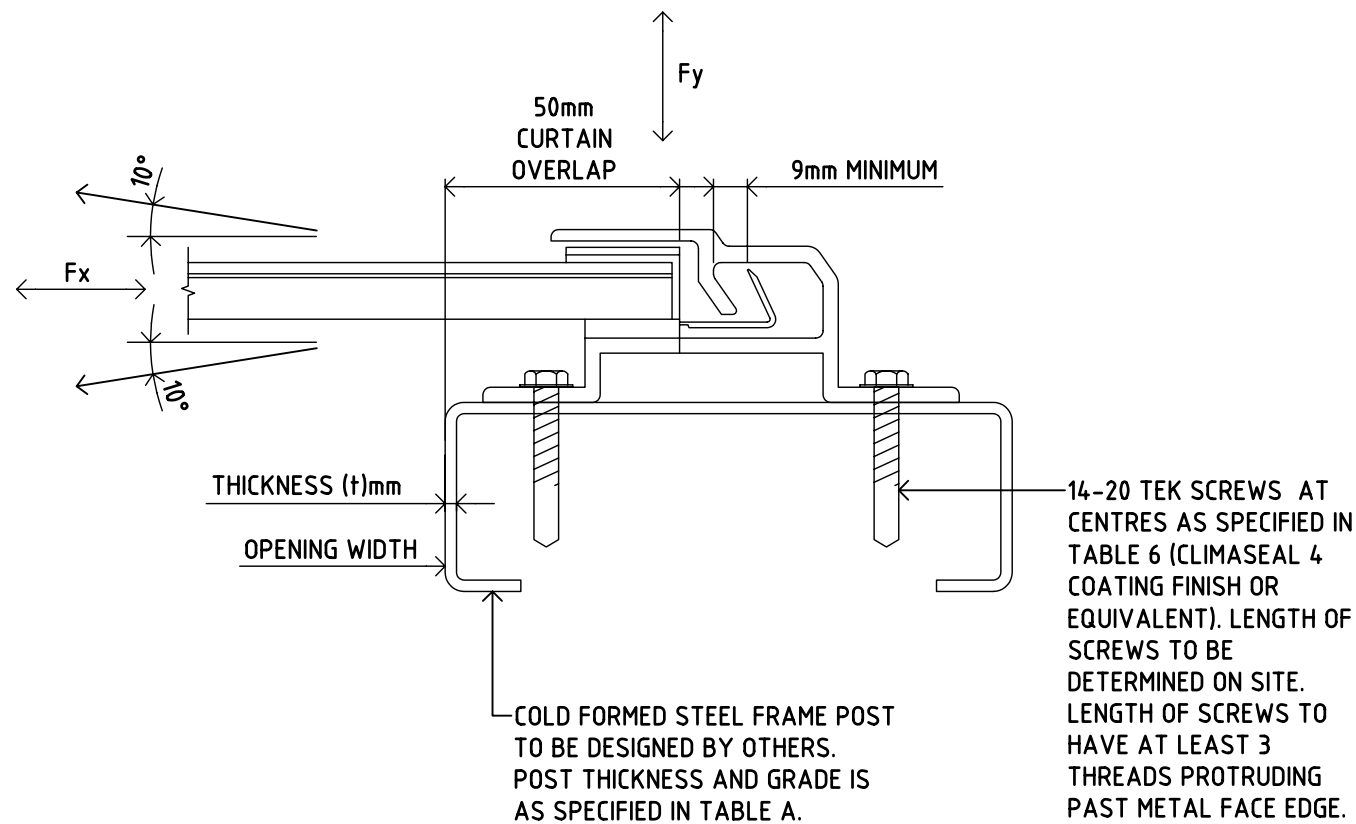
AS 1720.1-2010 TIMBER STRUCTURES PART 1: DESIGN METHODS.
AS/NZS 1664.1:1997 ALUMINIUM STRUCTURES PART 1: LIMIT STATE DESIGN.

ISSUE	DATE	AMENDMENTS
A	13.05.13	ISSUED FOR CONSTRUCTION
E	13.05.13	ISSUED FOR CONSTRUCTION
G	09.07.13	GENERAL REVISION
H	02.11.13	GENERAL REVISION
J	02.06.14	GENERAL REVISION

CLIENT	B&D AUSTRALIA PTY LTD
PROJECT	B&D SERIES 2 ROLL-A-DOOR FOR USE IN ALL WIND REGIONS

DRAWING	SERIES 2 ROLL-A-DOOR SUPPORT SECTION DETAILS
DESIGNED	J.E.
DRAWN	AAB
CHECKED & APPROVED	<i>[Signature]</i>
DATE	June 2014

DRAWING No.	S08 J
PROJECT No.	2289



SECTION 4 PLAN
SCALE = 1:2

GUIDE SUPPORTED BY COLD FORMED STEEL FRAME (REFER TO TABLE 6 FOR DETAILS).

NOTE:

- THE ABOVE FIXING DETAIL HAS BEEN BASED ON THE RELEVANT MAXIMUM DESIGN SPANS AS GIVEN IN TABLE 6.
- FIXINGS ONTO COLD FORMED STEEL ABUTMENTS HAVE BEEN DESIGNED USING TECHNICAL DATA PROVIDED BY BUILDEX FASTENERS.
- THE FOLLOWING CODES OF PRACTICE WERE ALSO CONSIDERED IN THE DESIGN OF THE ABOVE FIXING DETAIL:
AS/NZS 4600:2005 COLD FORMED STEEL STRUCTURES
AS/NZS 1664.1:1997 ALUMINIUM STRUCTURES PART 1: LIMIT STATE DESIGN.

TABLE 6
QUICK REFERENCE GUIDE ON FASTENING SPECIFICATIONS ONTO
COLD FORMED STEEL ABUTMENTS COMPLYING WITH AS 1397-1993

THICKNESS AND GRADE	SPAN	CLIPS AT EVERY FLAT	CLIPS AT EVERY SECOND FLAT
1mm (G550)	3000-3499mm	2 x 14-20 TEK SCREWS AT 150 CTS.	2 x 14-20 TEK SCREWS AT 250 CTS.
	3500-3999mm	2 x 14-20 TEK SCREWS AT 125 CTS.	2 x 14-20 TEK SCREWS AT 225 CTS.
	4000-4499mm	2 x 14-20 TEK SCREWS AT 100 CTS.	2 x 14-20 TEK SCREWS AT 200 CTS.
	4500-4999mm	2 x 14-20 TEK SCREWS AT 100 CTS.	2 x 14-20 TEK SCREWS AT 200 CTS.
	5000-5500mm	2 x 14-20 TEK SCREWS AT 100 CTS.	2 x 14-20 TEK SCREWS AT 175 CTS.
1.2mm (G500)	3000-3499mm	2 x 14-20 TEK SCREWS AT 175 CTS.	2 x 14-20 TEK SCREWS AT 325 CTS.
	3500-3999mm	2 x 14-20 TEK SCREWS AT 150 CTS.	2 x 14-20 TEK SCREWS AT 300 CTS.
	4000-4499mm	2 x 14-20 TEK SCREWS AT 125 CTS.	2 x 14-20 TEK SCREWS AT 250 CTS.
	4500-4999mm	2 x 14-20 TEK SCREWS AT 125 CTS.	2 x 14-20 TEK SCREWS AT 250 CTS.
	5000-5500mm	2 x 14-20 TEK SCREWS AT 125 CTS.	2 x 14-20 TEK SCREWS AT 225 CTS.
1.5mm (G450)	3000-3499mm	2 x 14-20 TEK SCREWS AT 200 CTS.	2 x 14-20 TEK SCREWS AT 400 CTS.
	3500-3999mm	2 x 14-20 TEK SCREWS AT 200 CTS.	2 x 14-20 TEK SCREWS AT 400 CTS.
	4000-4499mm	2 x 14-20 TEK SCREWS AT 175 CTS.	2 x 14-20 TEK SCREWS AT 350 CTS.
	4500-4999mm	2 x 14-20 TEK SCREWS AT 150 CTS.	2 x 14-20 TEK SCREWS AT 300 CTS.
	5000-5500mm	2 x 14-20 TEK SCREWS AT 150 CTS.	2 x 14-20 TEK SCREWS AT 300 CTS.
1.9mm (G450)	3000-3499mm	2 x 14-20 TEK SCREWS AT 250 CTS.	2 x 14-20 TEK SCREWS AT 400 CTS.
	3500-3999mm	2 x 14-20 TEK SCREWS AT 225 CTS.	2 x 14-20 TEK SCREWS AT 400 CTS.
	4000-4499mm	2 x 14-20 TEK SCREWS AT 200 CTS.	2 x 14-20 TEK SCREWS AT 400 CTS.
	4500-4999mm	2 x 14-20 TEK SCREWS AT 175 CTS.	2 x 14-20 TEK SCREWS AT 350 CTS.
	5000-5500mm	2 x 14-20 TEK SCREWS AT 175 CTS.	2 x 14-20 TEK SCREWS AT 325 CTS.
2.4mm (G450)	3000-3499mm	2 x 14-20 TEK SCREWS AT 250 CTS.	2 x 14-20 TEK SCREWS AT 400 CTS.
	3500-3999mm	2 x 14-20 TEK SCREWS AT 225 CTS.	2 x 14-20 TEK SCREWS AT 400 CTS.
	4000-4499mm	2 x 14-20 TEK SCREWS AT 200 CTS.	2 x 14-20 TEK SCREWS AT 400 CTS.
	4500-4999mm	2 x 14-20 TEK SCREWS AT 175 CTS.	2 x 14-20 TEK SCREWS AT 350 CTS.
	5000-5500mm	2 x 14-20 TEK SCREWS AT 175 CTS.	2 x 14-20 TEK SCREWS AT 325 CTS.

TABLE A
MINIMUM STRENGTHS OF STEEL
COMPLYING WITH AS 1397-1997

THICKNESS (t)mm	GRADE	YEILD STRENGTH	TENSILE STRENGTH
1mm	G550	550 MPa	550 MPa
1.2mm	G500	500 MPa	520 MPa
1.5mm	G450	450 MPa	480 MPa
1.9mm	G450	450 MPa	480 MPa
2.4mm	G450	450 MPa	480 MPa

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H	12.11.13	ISSUED FOR CONSTRUCTION
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CLIENT	B&D AUSTRALIA PTY LTD
PROJECT	B&D SERIES 2 ROLL-A-DOOR FOR USE IN ALL WIND REGIONS

DRAWING	SERIES 2 ROLL-A-DOOR SUPPORT SECTION DETAIL AND TABLE	SCALE	DESIGNED J.E.
	James Ellis & Associates	DRAWN AAB	CHECKED & APPROVED
	Consulting Structural Engineers	DATE	June 2014

DRAWING No.	S09 J
PROJECT No.	2289