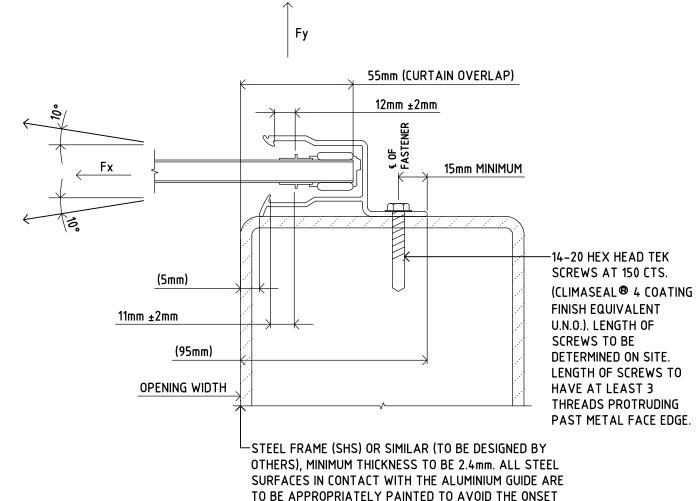


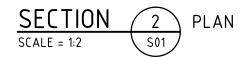
GUIDE SUPPORTED BY REINFORCED CONCRETE CORE FILLED MASONRY UNITS FOR A MAXIMUM DOOR SPAN (L) OF 3150mm IN REGION C TC2 AND UP TO A MAXIMUM DESIGN WIND PRESSURE OF 3.26 kPa.

### NOTE:

- THE ABOVE FIXING DETAIL HAS BEEN BASED ON A MAXIMUM DESIGN SPAN (L) OF 3150mm.
- 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





GUIDE SUPPORTED BY MILD STEEL FRAME FOR A MAXIMUM DOOR SPAN (L) OF 3150mm IN REGION C TC2 AND UP TO A MAXIMUM DESIGN WIND PRESSURE OF 3.26 kPa.

OF CORROSION (SPECIFICATION BY OTHERS).

### NOTE:

- THE ABOVE FIXING DETAIL HAS BEEN BASED ON A MAXIMUM DESIGN SPAN (L) OF 3150mm.
- FIXINGS INTO STRUCTURAL STEEL ABUTMENTS HAVE BEEN DESIGNED USING TECHNICAL DATA PROVIDED BY BUILDEX FASTERNERS.
- STAINLESS STEEL TEK SCREWS IN LIEU OF CLIMASEAL® 4 COATED TEK SCREWS ARE TO BE USED IN HIGHLY CORROSIVE ENVIRONMENTS.
- THE FOLLOWING CODES OF PRACTICE WERE ALSO CONSIDERED IN THE DESIGN OF THE ABOVE FIXING DETAIL:

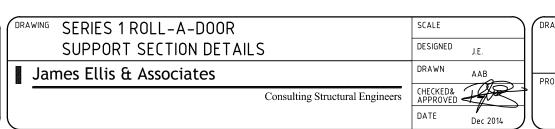
AS 4100:1998 STEEL STRUCTURES.
AS/NZS 4600:2005 COLD FORMED STEEL STRUCTURES
AS/NZS 1664.1:1997 ALUMINIUM STRUCTURES PART 1:LIMIT STATE DESIGN.

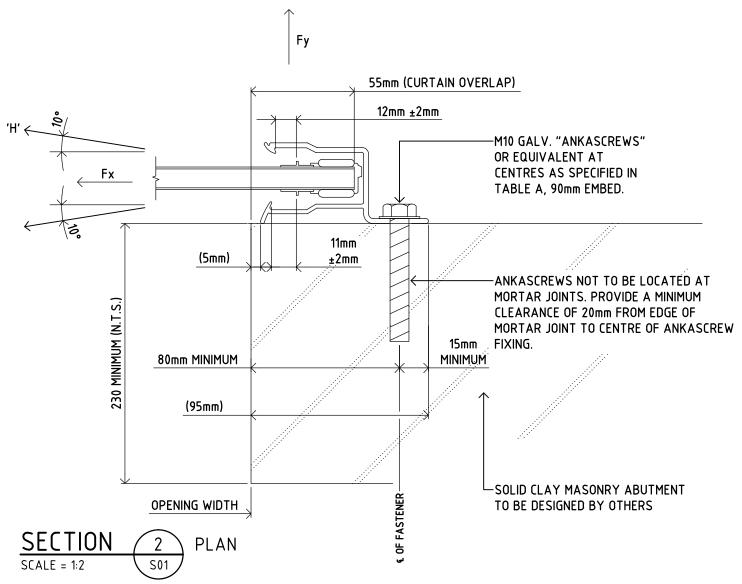
S02 ĸ

2212

ISSUE DATE		AMENDMENTS
F 16.06.13		GENERAL REVISION
G 09.07.13		GENERAL REVISION
H 01.11.13		GENERAL REVISION
J	02.06.14	GENERAL REVISION
K	24.12.14	GENERAL REVISION

CLIENT	B&D AUSTRALIA PTY LTD	Ì
PROJECT	B&D SERIES 1 ROLL-A-DOOR (WINDLOCKED) FOR USE IN WIND REGION C, TC2	
		1





GUIDE SUPPORTED BY SOLID CLAY MASONRY WALLS FOR A MAXIMUM DOOR SPAN (L) OF 3150mm.
FOR USE IN WIND REGIONS A AND B, TC2 AND UP TO A MAXIMUM DESIGN WIND PRESSURE AS NOMINATED IN TABLE A.

## TABLE A

FASTENING SPECIFICATIONS INTO SOLID CLAY MASONRY ABUTMENTS

AS 3700-2001 MASONRY STRUCTURES

WIND REGION	TERRAIN CATEGORY	MAXIMUM DESIGN WIND PRESSURE (kPa)	SPACING (mm)	
А	A TC2		255mm (ie. AT EVERY 3rd BRICK COURSE)	
В	TC2	1.77 kPa	170mm (ie. AT EVERY 2nd BRICK COURSE)	

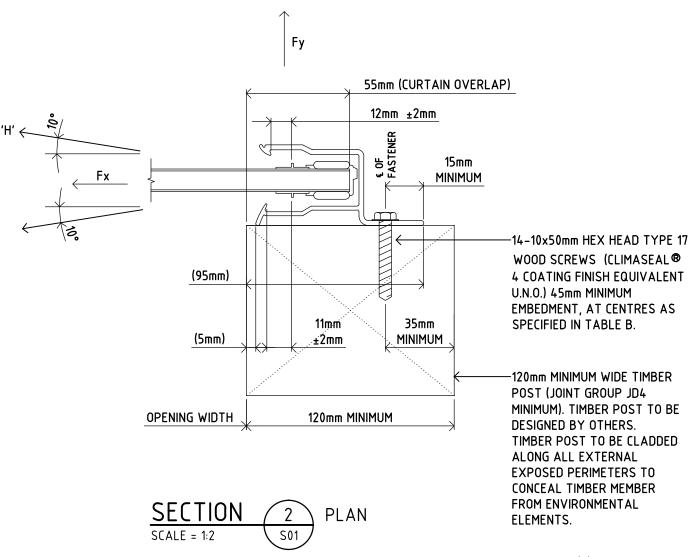
#### <u>NOTE</u>

- THE ABOVE FIXING DETAIL HAS BEEN BASED ON A MAXIMUM DESIGN SPAN (L) OF 3150mm.
- THE ABOVE FIXING DETAIL APPLIES TO THE USE OF SOLID CLAY MASONRY UNITS FOR THE CONSTRUCTION OF THE ABUTMENTS.
- FIXINGS INTO SOLID 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.

ISSUE	DATE	AMENDMENTS
F 16.06.13		GENERAL REVISION
G	09.07.13	GENERAL REVISION
н	01.11.13	GENERAL REVISION
J 02.06.14		GENERAL REVISION
ĸ	24, 12 14	GENERAL REVISION

B&D AUSTRALIA PTY LTD

PROJECT
B&D SERIES 1 ROLL-A-DOOR (WINDLOCKED)
FOR USE IN WIND REGION C, TC2



GUIDE SUPPORTED BY TIMBER FRAMED WALLS FOR A MAXIMUM DOOR SPAN (L) OF 3150mm IN REGIONS A, B AND C, TC2 AND UP TO A MAXIMUM DESIGN WIND PRESSURE AS NOMINATED IN TABLE B.

# TABLE B

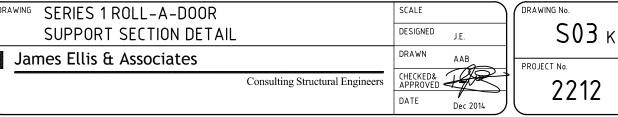
FASTENING SPECIFICATIONS INTO TIMBER FRAMED ABUTMENTS

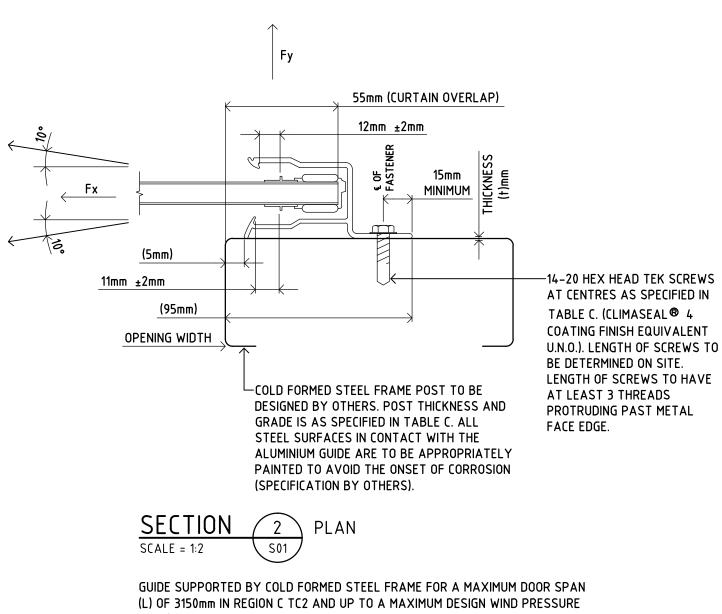
WIND REGION	TERRAIN CATEGORY	MAXIMUM DESIGN WIND PRESSURE (kPa)	SPACING (mm)
Α	TC2	1.10 kPa	250mm
В	TC2	1.77 kPa	160mm
С	TC2	3.26 kPa	90mm

#### NOTE

- THE ABOVE FIXING DETAIL HAS BEEN BASED ON A MAXIMUM DESIGN SPAN (L) OF 3150mm.
- FIXINGS INTO TIMBER FRAMED ABUTMENTS HAVE BEEN DESIGNED USING TECHNICAL DATA PROVIDED BY BUILDEX FASTERNERS.
- STAINLESS STEEL TEK SCREWS IN LIEU OF CLIMASEAL® 4 COATED TEK SCREWS ARE TO BE USED IN HIGHLY CORROSIVE ENVIRONMENTS.
- 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.





OF 3.26 KPa.

### NOTE:

- THE ABOVE FIXING DETAIL HAS BEEN BASED ON A MAXIMUM DESIGN SPAN OF 3150mm.
- FIXINGS INTO COLD FORMED STEEL ABUTMENTS HAVE BEEN DESIGNED USING TECHNICAL DATA PROVIDED BY BUILDEX FASTENERS.
- STAINLESS STEEL TEK SCREWS IN LIEU OF CLIMASEAL® 4 COATED TEK SCREWS ARE TO BE USED IN HIGHLY CORROSIVE ENVIRONMENTS.
- 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.

#### ISSUE DATE AMENDMENTS ISSUED FOR CONSTRUCTION 14.10.13 Α GENERAL REVISION 01.11.13 GENERAL REVISION 02.06.14 J 24.12.14 GENERAL REVISION

CLIENT	
CLILIA	B&D AUSTRALIA PTY LTD
PROJECT	
	B&D SERIES 1 ROLL-A-DOOR (WINDLOCKED)
	FOR USE IN WIND REGION C, TC2
1	

# TABLE C

FASTENING SPECIFICATIONS INTO COLD FORMED STEEL ABUTMENT SUPPORTS COMPLYING WITH AS 1397-1993

THICKNESS (†)mm GRADE		YIELD STRENGTH	TENSILE STRENGTH	SPACING (mm)	
1mm G550		550 MPa	550 MPa	100mm	
1.2mm	G500	500 MPa	520 MPa	125mm	
1.5mm	1.5mm G450 450 MPa 480 MPa		480 MPa	150mm	
1.9mm	G450	450 MPa	480 MPa	150mm	

NG	SERIES 1 ROLL-A-DOOR		SCALE	
	SUPPORT SECTION DETAIL		DESIGNED	J.E.
an	nes Ellis & Associates		DRAWN	AAB
		Consulting Structural Engineers	CHECKED& APPROVED	
			DATE	Dec 2014

