

B&D STORM SHIELD HIGH WIND SECTIONAL DOOR - ELEVATION MAXIMUM DOOR WIDTH = 5.5m

NOTE: DOOR WIDTH (SPAN) (L) = OPENING WIDTH + CURTAIN OVERLAPS DOOR HEIGHT = OPENING HEIGHT + TOP PANEL OVERLAP 1:25

- ALL DOOR COMPONENTS TO BE IN ACCORDANCE WITH STANDARD B&D STORM SHIELD HIGH WIND SECTIONAL DOOR MANUFACTURING.
- DOOR INSTALLATION TO BE IN ACCORDANCE WITH STANDARD B&D STORM SHIELD HIGH WIND SECTIONAL DOOR INSTALLATION GUIDELINES.
- ALITEK SCREW FASTENER MECHANICAL PROPERTIES ARE TO BE OF A MINIMUM CAPACITY AS GIVEN IN THE BUILDEX FASTERNERS TECHNICAL
- SPECIFICATION SECTION OF THE PRODUCT CATALOGUE
- MECHANICAL ANKASCREW FASTENER CAPACITIES HAVE BEEN DERIVED FROM THE RAMSET SPECIFIERS RESOURCE BOOK

Notes covering basis of DTC (Relevant test reports etc)

- REPORT No. TS1026 Revision A DATED 19th JANUARY 2016 (CYCLONE TESTING STATION,
- SCHOOL OF ENGINEERING AND PHYSICAL SCIENCES, JAMES COOK UNIVERSITY).
- IN HOUSE TESTING CONDUCTED ON AUGUST 2015 AND DOCUMENTED ON THE 2nd DECEMBER 2015 (Report No. 2015-10-28)
- PRINCIPLES OF MECHANICS.

*Design Engineers Certification

Date:

*Certifying Engineers Certification

JAMES ELLIS Name: ASSET SERVICES PTY LTD 47429ES NT Registration Number: 152941ES Registration Number:

Signature:

Date: 07/12/16

07/12/16

*registered as a structural engineer in Australia

*registered as a structural engineer in

Product Name

B&D STORM SHIELD HIGH WIND SECTIONAL DOOR

Product Description

REINFORCED SECTIONAL DOOR WITH TRACKLOCK SYSTEM

Manufacturer's Name

B&D AUSTRALIA PTY LTD

34-36 MARIGOLD STREET, REVESBY NSW 2212 PH: 136 263

Design Criteria

- REGION C
- TERRAIN CATEGORY 2
- DOOR HEIGHT 2.85m MAX.
- BUILDING IMPORTANCE LEVEL 2
- REGION WINDSPEED VR = 69.3m/s • DOORS ARE RATED UP TO AN ULTIMATE DESIGN WIND PRESSURE OF:
 - INWARD = 2.92 kPa
 - OUTWARD =
 - 3.37 kPa (FOR DOOR SPANS < 4m) OUTWARD =
- 3.04 kPa (FOR DOOR SPANS > 4m)
- FOR A MAXIMUM DOOR WIDTH OF 5.5m.
- AS/NZS 1170.2:2011 STRUCTURAL DESIGN ACTIONS PART 2:WIND ACTIONS.
- AS/NZS 4505:2012 GARAGE DOORS & OTHER LARGE ACCESS DOORS. • AS/NZS 1170.0:2002 STRUCTURAL DESIGN ACTIONS - PART 0:GENERAL PRINCIPLES.
- AS 4100:1998 STEEL STRUCTURES
- AS 3700-2001 MASONRY STRUCTURES
- AS/NZS 4600: 2005 COLD FORMED STRUCTURES
- AS/NZS 1170.1:2002 STRUCTURAL DESIGN ACTIONS PART 1: PERMANENT, IMPOSED AND OTHER ACTIONS.

Limitations

- STRUCTURAL STEEL ABUTMENT POSTS TO BE 3mm (MIN.) IN THICKNESS WITH A MINIMUM STRESS GRADE OF G250 U.N.O. (REFER TO SECTION 1 ON DRAWING S03).
- 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 STRUCTURAL
- ALTERNATIVE DESIGN PARAMETERS TO WHAT ARE SPECIFIED ON THESE DRAWINGS ALONG WITH ALTERNATIVE SITE SPECIFIC LOCAL PRESSURE FACTORS MAY BE ADOPTED PROVIDED THE CALCULATED SITE SPECIFIC ULTIMATE DESIGN WIND PRESSURES DO NOT EXCEED THE ULTIMATE DESIGN WIND PRESSURE RATINGS SPECIFIED IN THE DESIGN CRITERIA.
- THE STRUCTURAL ENGINEER IS TO CHECK THAT THE SITE SPECIFIC DESIGN WIND LOADINGS DO NOT EXCEED THE ULTIMATE DESIGN WIND PRESSURE RATINGS SPECIFIED IN THE DESIGN CRITERIA.
- DOORS MAY BE POSITIONED AT ANY LOCATION ALONG THE BUILDING ENVELOPE INCLUDING ALL LOCAL PRESSURE ZONES (ie. CORNERS OF BUILDINGS), PROVIDED THE CALCULATED SITE SPECIFIC ULTIMATE DESIGN WIND PRESSURES DO NOT EXCEED THE ULTIMATE DESIGN WIND PRESSURE RATINGS SPECIFIED IN THE DESIGN

Accepted for Inclusion

DTCM ref:

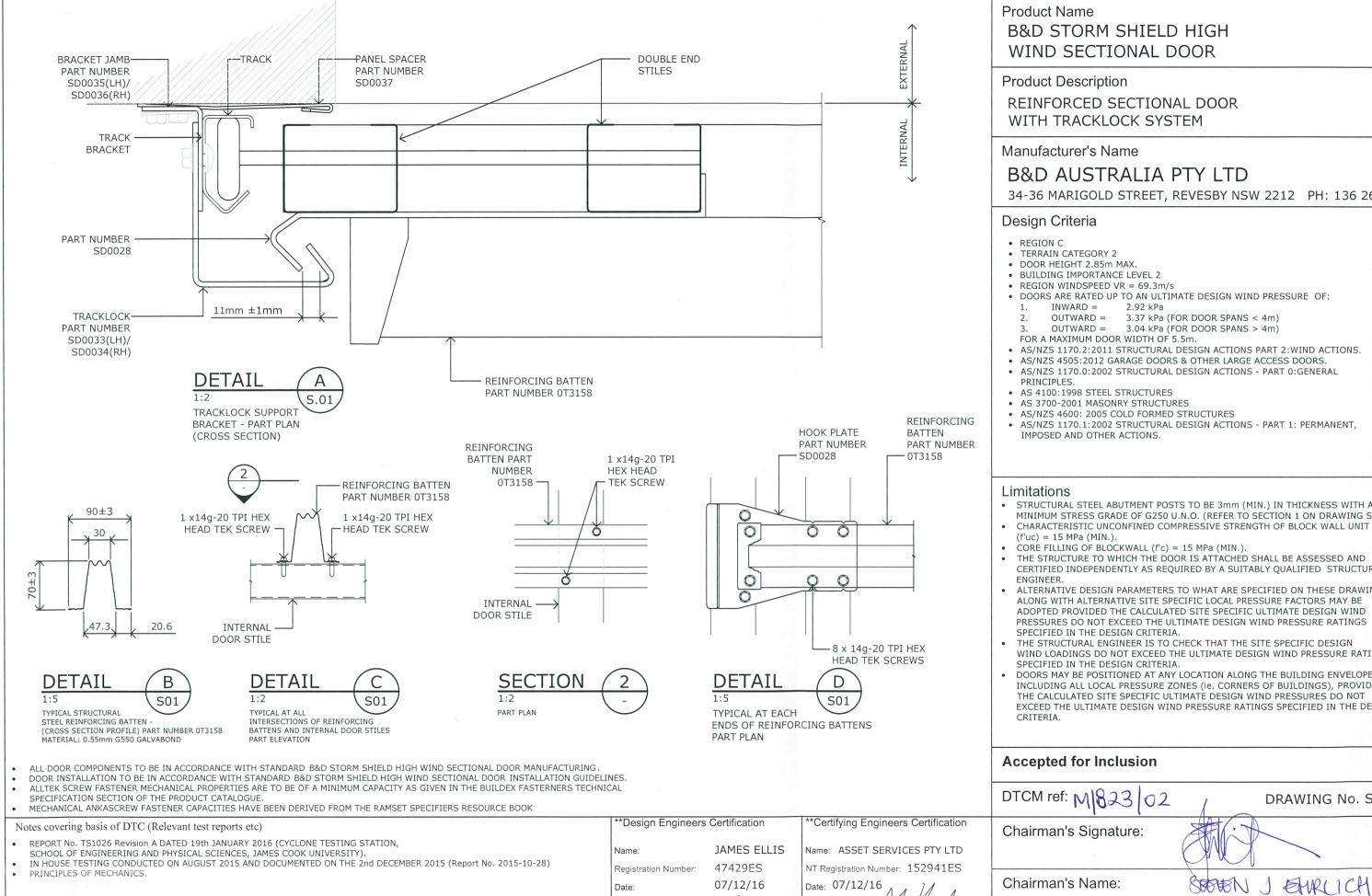
DRAWING No. S01

Chairman's Signature:

Chairman's Name:

Date of Approval: 8 6 2017 Expiry Date: 8

IN ACCORDANCE WITH NCC VOLUME 2 (SECTION P3.10.1), THIS PRODUCT SATISFIES PERFORMANCE REQUIREMENTS P2.1.1 FOR CONSTRUCTION IN A HIGH WIND AREA.



Date: Signature

*registered as a structural engineer in Australia

B&D STORM SHIELD HIGH WIND SECTIONAL DOOR

REINFORCED SECTIONAL DOOR

B&D AUSTRALIA PTY LTD

34-36 MARIGOLD STREET, REVESBY NSW 2212 PH: 136 263

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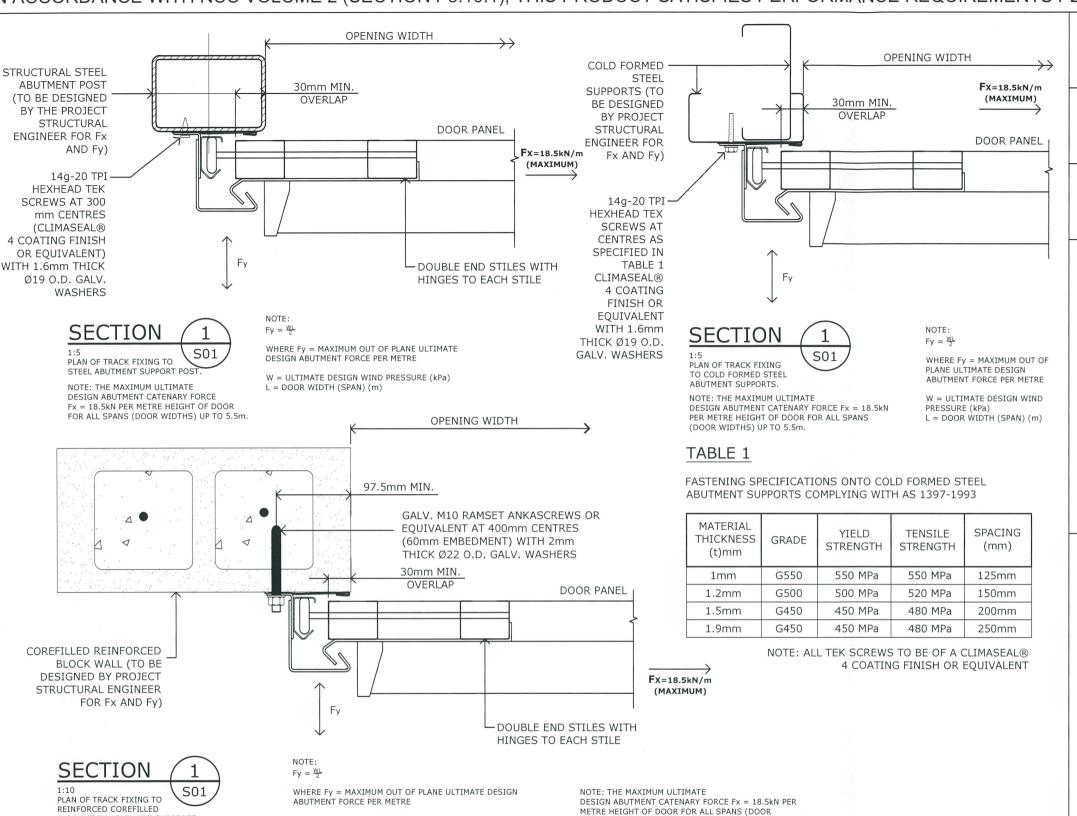
DRAWING No. S02

Chairman's Name:

*registered as a structural engineer in Northern Territory

Date of Approval: 8 06/2017 Expiry Date: 8/06/2022

IN ACCORDANCE WITH NCC VOLUME 2 (SECTION P3.10.1), THIS PRODUCT SATISFIES PERFORMANCE REQUIREMENTS P2.1.1 FOR CONSTRUCTION IN A HIGH WIND AREA.



Product Name

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Manufacturer's Name

B&D AUSTRALIA PTY LTD

34-36 MARIGOLD STREET, REVESBY NSW 2212 PH: 136 263

Design Criteria

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- DOOR HEIGHT 2.85m MAX.
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Accepted for Inclusion

DTCM ref: M1823/03

DRAWING No. S03

Chairman's Signature:

Chairman's Name:

SPARN J THRLICH

Date of Approval: 8 06 20 F Expiry Date: 8 06

ALL DOOR COMPONENTS TO BE IN ACCORDANCE WITH STANDARD B&D STORM SHIELD HIGH WIND SECTIONAL DOOR MANUFACTURING

W = ULTIMATE DESIGN WIND PRESSURE (kPa)

- DOOR INSTALLATION TO BE IN ACCORDANCE WITH STANDARD B&D STORM SHIELD HIGH WIND SECTIONAL DOOR INSTALLATION GUIDELINES.
- ALLTEK SCREW FASTENER MECHANICAL PROPERTIES ARE TO BE OF A MINIMUM CAPACITY AS GIVEN IN THE BUILDEX FASTERNERS TECHNICAL
- SPECIFICATION SECTION OF THE PRODUCT CATALOGUE

BLOCKWORK ABUTMENT SUPPORTS.

MECHANICAL ANKASCREW FASTENER CAPACITIES HAVE BEEN DERIVED FROM THE RAMSET SPECIFIERS RESOURCE BOOK

Notes covering basis of DTC (Relevant test reports etc)

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- PRINCIPLES OF MECHANICS

Design Engineers Certification

WIDTHS) UP TO 5.5m

JAMES ELLIS Registration Number: 47429ES

07/12/16 Date:

*registered as a structural engineer in Northern Territor

Signature *registered as a structural engineer in Australia

*Certifying Engineers Certification

Name: ASSET SERVICES PTY LTD

NT Registration Number: 152941ES

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