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



## **B&D STORM SHIELD HIGH** WIND SECTIONAL DOOR

**REINFORCED SECTIONAL DOOR** WITH TRACKLOCK SYSTEM

# **B&D AUSTRALIA PTY LTD**

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

 BUILDING IMPORTANCE LEVEL 2 • REGION WINDSPEED VR = 69.3m/s • DOORS ARE RATED UP TO AN ULTIMATE DESIGN WIND PRESSURE OF: 2.92 kPa 3.37 kPa (FOR DOOR SPANS < 4m) 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 AS 4100:2020 STEEL STRUCTURES • AS 3700-2018 MASONRY STRUCTURES • AS/NZS 4600: 2018 COLD FORMED STRUCTURES

• AS/NZS 1170.1:2002 STRUCTURAL DESIGN ACTIONS - PART 1: PERMANENT, IMPOSED AND OTHER ACTIONS

• 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

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

or inclusion in Deemed to Comply Manual				
ng number:M/439/01-03DRAWING No. S01 - Rev 2				
's Signature:				
's Name: Paul Nowland				

Date of Approval: 28/04/2023 Expiry Date: 27/04/2028

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