

Signature:

registered as a structural engineer in Northern Territor

Product name

ROLLER SHUTTER DOORS 1.0mm BMT. WITH WIND LOCKS

Product Description

ROLLER SHUTTER DOORS 1.0mm BMT WITH WIND LOCKS

Manufacturer's Name

ARCO (QLD) PTY LTD PH (07) 38078041

Design Criteria

- ULTIMATE DOOR DESIGN RESISTANCE
 3.0 kPa.
- 2. ROLLER DOOR SUPPORT STRUCTURE TO BE DESIGN ENGINEER BY MAIN BUILDING DESIGNER FOR LOADING INDICATED.
 SEPARATE SECTION 40 CERTIFICATE IS REQUIRED FOR MAIN BUILDING DESIGN.
- 3. SUITABILITY OF DOOR FOR ACTUAL SITE CONDITIONS TO BE MADE BY MAIN BUILDING DESIGN ENGINEER. (LIMITED TO 3.0kPa ULTIMATE DESIGN PRESSURE).

Limitations

- 6500 MAX DOOR HEIGHT
- 2. 8000 MAX DOOR WIDTH
- END GAPS MUST BE SET AS INDICATED IN TABLE.
- 4. 10,000 MAX BUILDING EAVES HEIGHT
- 5. LOCAL PRESSURE EFFECTS ARE DEPENDANT ON THE FINAL BUILDING CONFIGURATION. WHERE DOORS ARE LOCATED WITHIN 6.0m OF AN EXTERNAL CORNER, THE DOOR SHALL BE ASSESSED FOR LOCAL PRESSURE EFFECTS IN LINE WITH ITEM 1 OF THE DESIGN CRITERIA STATED ABOVE, AND THE DESIGN REAPPRAISED AS REQUIRED. THE ASSUMED MAXIMUM PLAN DIMENSION (B or D) FOR THE CALCULATION OF LOCAL PRESSURE DIMENSION 'α' SPECIFIED IN CLAUSE 5.4.4 OF AS1170.2 IS 36.0m.

Accepted for Inclusion

DTCM ref: M / 175

SHEET 1 OF 2

Chairman's Signature:

Chairman's Name: Spen J turlicy

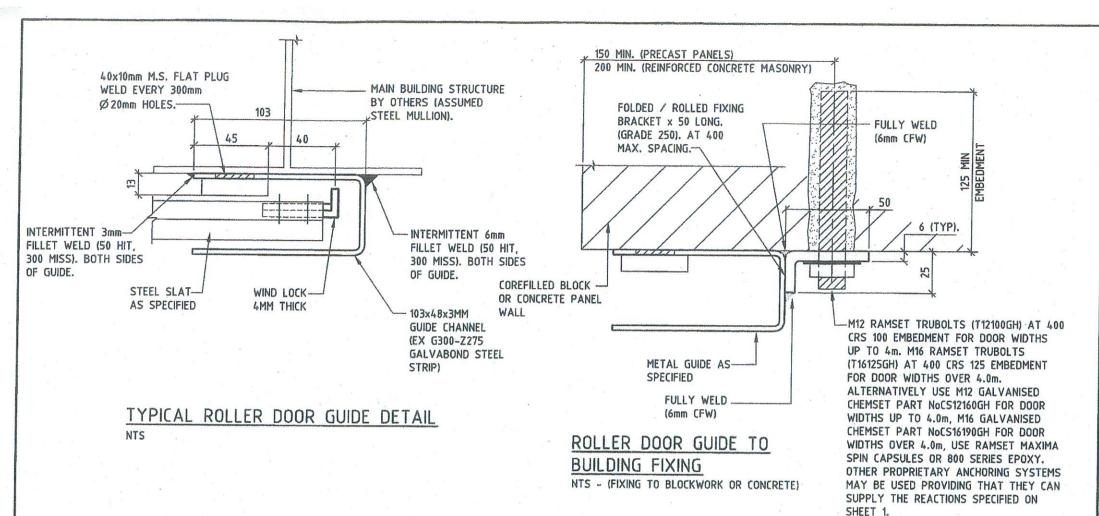
Date of Approval:

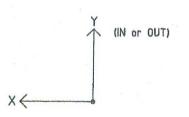
registered as a structural engineer in Australia

Expiry Date:

29/11/2012

29/11/2015





REACTIONS ON DOOR GUIDE

REFER TABLE ON SHEET 1

Notes covering basis of DTC (Relevant test report etc)

REFER TO NJA CONSULTING REPORT -REFERENCE No. 11106-028-02

THE MAXIMUM DOOR DESIGN RESISTANCE & APPLIED GUIDE FORCES HAVE BEEN CALCULATED USING TEST DATA & THEORETICAL ANALYSIS CARRIED OUT BY NJA CONSULTING:- AS REPORTED IN SUMMARY REPORT REF:- 09208-001-01.

*Certifying Engineer's Certification

Name: RONALD A. BELL

Registration Number: 60596 ES

Date: OCTOBER 201 Signature:

registered as a structural engineer in Northern Territory

*Design Engineer's Certification

Name: DARREN McDONALD

Registration Number: 24619 ES **RPEQ 5453**

Date: OCTOBER 2011

Signature: "registered as a structural engineer in Australia Product name

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Design Criteria

1. ULTIMATE DOOR DESIGN RESISTANCE 3.0 kPm.

2. ROLLER DOOR SUPPORT STRUCTURE TO BE DESIGNED BY MAIN BUILDING DESIGN ENGINEER FOR LOADING INDICATED. SEPARATE SECTION 40 CERTIFICATE IS REQUIRED FOR MAIN BUILDING DESIGN.

3. SUITABILITY OF DOOR FOR ACTUAL SITE CONDITIONS TO BE MADE BY MAIN BUILDING DESIGN ENGINEER. (LIMITED TO 3.0kPa ULTIMATE DESIGN

4. THE INSTALLED ROLLER DOOR IMPOSES SIGNIFICANT FORCES ON THE MAIN BUILDING STRUCTURE. THE IMMEDIATE SUPPORTING STRUCTURE MUST BE DESIGNED TO RESIST THE LOADINGS APPLIED AT EACH END OF THE DOOR AS INDICATED IN THE TABLE. A SEPARATE SECTION 40 CERTIFICATE SHALL BE OBTAINED COVERING THE IMMEDIATE SUPPORTING STRUCTURE.

5. THE RATED DESIGN WIND LOAD RESISTANCE FOR EACH DOOR WIDTH IS AS INDICATED IN THE TABLE. THE STRUCTURAL ENGINEER INVOLVED WITH THE MAIN BUILDING DESIGN SHALL VERIFY THAT THE STATED DESIGN RESISTANCE EXCEEDS THE SITE SPECIFIC DESIGN WIND LOADING

6. THE DOORS HAVE NOT BEEN TESTED FOR DEBRIS IMPACT AS INDICATED IN AS1170.2. THE BUILDING SHALL BE DESIGNED ON THE BASIS THAT THE DOOR CAN BECOME A DOMINATE OPENING. INTERNAL PRESSURES FOR THE MAIN BUILDING DESIGN SHALL BE SELECTED FROM TABLE 5.1(B) OF AS1170.2.

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IT IS CRITICAL THAT THE ROLLER DOOR WIND LOCKS BE SET WITH THE END GAP INDICATED IN THE TABLE. THE SLAT & WINDLOCK SHALL BE ACCURATELY INSTALLED SO THAT THE SPECIFIED END GAP

7. ALL WELDED CONNECTIONS SHALL BE COLD GALVANISED.

8. THE ROLLER DOOR INSTALLATION SHALL BE TREATED AS REQUIRED IN ORDER TO COMPLY WITH THE DURABILITY REQUIREMENTS OF THE BCA FOR THE ACTUAL SITE EXPOSURE CONDITIONS.

PERSONNEL DOORS ARE NOT PERMITTED WITHIN THE ROLLER SHUTTER.

Accepted for Inclusion

DTCM ref:

SHEET 2 OF 2

Chairman's Signature:

Chairman's Name: Spiel J thruch

Date of Approval:

Expiry Date:

29/11/2012