

Workplace Assessment 3 – Assessor’s Checklist

(This form is for the assessor’s use only)

Purpose

This *Assessor’s Checklist* lists the specific criteria that the candidate’s submission for **Workplace Assessment 3** must satisfactorily meet.

This form is to be completed by the candidate’s assessor to document their assessment of the candidate’s submission in Workplace Assessment 3.

Task Overview

For this task, the candidate is required to record the sizes, thickness, and quantity of the materials from the detail drawings used on the building and construction project by completing the Material Quantity Takeoff Form they obtained from the assessor.

In this task, the candidate will be assessed in their:

- Practical knowledge of the sizes, thickness and quantity of construction items.
- Practical skills relevant to examining detail drawings to determine sizes and thickness
- Practical skills relevant to interpreting two-dimensional and three-dimensional drawings and applying to estimation

Instructions to the Assessor

Before the assessment

- Provide the candidate with copies of the detail drawings.
- Organise workplace resources required for the candidate to complete this assessment.
- Contextualise the criteria in this checklist to ensure they reflect the actual project the candidate is undertaking as part of the assessment.
- Discuss this assessment task with the candidate, including the criteria they need to meet to complete this task satisfactorily.
- Review this form with the candidate and address any queries or concerns they may have about it.

Candidate Assessment Briefing

Date of assessment briefing	4/11/2022.
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The assessor confirms:	YES/NO
1. They have discussed with the candidate the workplace task they are required to complete for this assessment.	☒ YES ☐ NO
2. The candidate understands they will be assessed while completing this workplace task, as well as any document(s) they will complete as part of this task.	☒ YES ☐ NO
3. They have discussed with the candidate instructions how they are to undertake the workplace task.	☒ YES ☐ NO
4. They have provided the candidate guidance on how they can satisfactorily complete the task.	☒ YES ☐ NO
5. They have discussed with the candidate the criteria (listed below) they are required to meet to complete the task satisfactorily.	☒ YES ☐ NO
6. They have addressed the candidate's questions or concerns about the workplace task and the assessment process.	☒ YES ☐ NO

Material Quantity Takeoff Form

INSTRUCTIONS TO THE ASSESSOR:

The details listed below are not specific to any building and construction project. Before the actual assessment, access and review the detail drawings for the building and construction project the candidate is undertaking as part of this assessment. Update/adapt/revise the form below to ensure they reflect these drawings.

Completed by	Anya English
Date completed	04/11/2022

Items	Size		Thickness (mm)	Quantity (pcs)
	Height (mm)	Width (mm)		
Hinged Door and Gate				
HD-A: External Hinged Door	2040	920	40mm	8
HD-B: Internal Bathroom Hinged Door	2040	920	35mm	1
HG-01: Hinged Gate Type 01	2100	1125	75SHS	1
HG-02: Hinged Gate Type 02	2100	1125	75SHS	1

Construction Plan Details Verification Checklist

INSTRUCTIONS TO THE ASSESSOR:

The specifications below are not specific to any building and construction project. Before the actual assessment, access and review the specifications for the building and construction project the candidate is undertaking as part of this assessment. Update/adapt/revise the checklist below to ensure they reflect these specifications.

Completed by	Anya English
Date completed	4/11/2022

Plans	Version No.	Date Published
Architectural plans	T1	18/08/2022
Structural Plans	T1	18/08/2022
Mechanical Plans	N/A	N/A
Electrical Plans	T1	18/08/2022
Plumbing and Drainage Plans	T1	18/08/2022

1. Fitting and Connecting		☒ YES ☐ NO	
a.	Water main connector: Is the cold water system installed from the meter to draw off point or connections to the other services?	☒ YES ☐ NO	
b.	Pipe Fitting: Pipes are fitted similar so (if needed) taps or other services can be removed without obstruction of the other pipes around.	☒ YES ☐ NO	
2. Taps		☒ YES	
a.	Hose tap and vacuum breaker: Ensure hose tap has a vacuum breaker backflow prevention device and isolation valve	☒ YES	
b.	Hoes tap install: Installed against masonry or concrete wall	☒ YES	
3. Stormwater Drains		☒ YES	
a.	Location: The location must not interfere with other services and building elements.	☒ YES	

Note to Assessor: The categories above and items under each category are based on a fictitious company's project specifications. The assessor must update/adapt/revise the above to ensure they reflect the actual specifications for the building project.

0453 DOORS AND ACCESS PANELS**1 GENERAL****1.1 RESPONSIBILITIES****General**

Requirement: Provide doors, frames, doorsets, security screen doors and fire-resisting doorsets, as documented.

1.2 CROSS REFERENCES**General**

Requirement: Conform to the following:

- 0171 General requirements.
- 0455 Door hardware.

1.3 STANDARDS**General**

Timber and composite doors: To AS 2688.

1.4 INTERPRETATION**1.5 SUBMISSIONS****Operation and maintenance manuals**

Recommendations: Submit the manufacturer's published recommendations for service use.

1.6 INSPECTION**Notice**

Inspection: Give notice so that inspection may be made of the following:

- Door frames in place before building in to masonry.
- Door frames installed before fixing trim.

2 PRODUCTS**2.1 FRAMES****Steel frames**

Construction: Continuously welded from metallic-coated steel sheet sections, including accessories such as buffers, strike plates, spreaders, mortar guards, switch boxes, fixing ties or brackets, and cavity flashing with provision for fixing documented hardware and electronic security assemblies, and prefinished with a protective coating.

Base metal thickness (minimum):

- General: 1.1 mm.
- Fire-resisting doorsets: 1.5 mm.
- Security doorsets: 1.6 mm.

Metallic-coating class to AS 1397 interior: ZF100.

Metallic-coating class to AS 1397 exterior: ZF100

Finish: Grind the welds smooth, cold galvanize the welded joints and shop prime.

Hardware and accessories: Provide 4 mm backplates and lugs for fixing hardware including hinges and closers. Screw fix the hinges into tapped holes in the backplates.

2.2 DOORS**General**

Doors: Proprietary products manufactured for interior or exterior applications and for the finish required.

Materials

Standards: Conform to the following:

SWIFT STORAGE, FARM STREET
Project. No.: 2256

Rev. No.: T1
Rev. Date: 18/08/2022

Section 0453 Page 1 of 4
Tony Madden Architects

- Decorative laminated sheets: To AS/NZS 2924.1.
- Wet process fibreboard (including hardboard): To AS/NZS 1859.4.
- Dry process fibreboard (including medium density fibreboard): To AS/NZS 1859.2.
- Particleboard: To AS/NZS 1859.1.
- Plywood and blockboard for interior use: To AS/NZS 2270.
- Plywood and blockboard for exterior use: To AS/NZS 2271.
- Seasoned cypress pine: To AS 1810.
- Timber – hardwood: To AS 2796.1.
- Timber – softwood: To AS 4785.1.

Flush panel doors

General: Provide flush panel doors of balanced construction, as documented.

Medium density fibreboard doors: Single thickness of moisture resistant general purpose medium density fibreboard with the same surface finish to both sides, for internal use.

Construction

Adhesives:

- Internal: To AS/NZS 2270.
- External: To AS/NZS 2271.

Door thickness:

- General: 35 mm.
- External doors and doors over 900 mm wide: 40 mm.

Cut-outs: If openings are required in flush panel doors (e.g. for louvres or glazing), do not make cut-outs closer than the width of the stiles at the edges of the doors.

Edge strips: Minimum thickness 10 mm. Increase overall thickness to greater than 15 mm to accommodate the full depth of the rebate in rebated doors. Apply to the external edges of door after the facings are bonded to the door framing/core and finish flush with outside surface of the facings.

Edge strip location: Fix all round

Double doors

Square edged doors: Bevel as necessary to prevent binding between the leaves.

Rebated meeting stiles: If not double acting doors, provide rebated meeting stiles or fix equivalent metal T stop to one leaf. Form rebates to suit standard rebated hardware.

Tolerances

Standard: To AS 2688 clauses 4.1 and 5.3.

2.3 ANCILLARY MATERIALS

Extruded gaskets and seals

Materials: Non-cellular (solid) elastopressive seals as follows:

- Flexible polyvinyl chloride (PVC): To BS 2571, 100% solids with high consistency, ultraviolet stabilised.
- Rubber products (neoprene, ethylene propylene diene monomer (EPDM) or silicone rubber): To BS 4255-1.

Flashings

General: Corrosion resistant, compatible with the other materials in the installation, and coated with a non-staining compound where necessary.

Standard: To AS/NZS 2904.

Jointing materials

General: Compatible with each other and with the contact surfaces and non-staining to finished surfaces. Do not provide bituminous materials on absorbent surfaces.

Nylon brush seals

General: Dense nylon bristles locked into galvanized steel strips and fixed in a groove in the edge of the door or in purpose-made anodised aluminium holders fixed to the door with double sided PVC foam tape.

Pile weather strips

General: Polypropylene or equivalent pile and backing, low friction silicone treated, ultraviolet stabilised.

Standard: To AAMA 701/702.

Weather bars

General: Provide a weather bar under hinged external doors, locate under the centres of closed doors.

3 EXECUTION

3.1 FRAMES

General

Frames: Install the frames as follows:

- Plumb, level, straight and true.
- Fixed or anchored to the building structure.
- Isolated from any building loads, including loads caused by structural deflection or shortening.

Frame fixing

Brackets: Metallic-coated steel:

- Width: Minimum 25 mm.
- Thickness: Minimum 1.5 mm.

Depth of fixing for building into masonry:

- Brackets: Minimum 200 mm.
- Expansion anchors: Minimum 50 mm.
- Plugs: Minimum 50 mm.
- Rods: Minimum 60 mm.

Jamb fixing centres: Maximum 600 mm.

Joints

General: Make accurately fitted joints where fasteners, pins, screws, adhesives and pressure indentations are not visible on exposed surfaces.

Steel frames

Building into masonry: Attach galvanized steel rods to jambs, build in and grout up.

Fixing to masonry openings: Build in hairpin anchors and install locking bars, or use proprietary expansion anchors and screw twice through jambs at each fixing.

Fixing to stud frame openings: Attach galvanized steel brackets to jambs and screw twice to studs at each fixing.

Finishing

Trim: Provide mouldings, architraves, reveal linings, and other internal trim using materials and finishes matching the door frames to make neat and clean junctions between the frame and the adjoining building surfaces.

Seals

General: Provide the fixings, rebates, grooves, and clearances required for installation and operation of the seals. Allow seals unwound from coils to settle before use.

Weatherproofing

Flashings and weatherings: Install flashings, weather bars, drips, storm moulds, caulking and pointing to prevent water from penetrating the building between the door frame and the building structure under the prevailing service conditions, including normal structural movement of the building.

3.2 DOORS

Priming

General: Prime timber door leaves on top and bottom edges before installation.

3.3 COMPLETION

Operation

General: Make sure moving parts operate freely and smoothly, without binding or sticking, at correct tensions or operating forces and that they are lubricated where appropriate.

Protection

Temporary coating: On or before the date for practical completion, or before joining up to other surfaces, remove all traces of temporary coatings used as a means of protection.

4 SELECTIONS

Refer to Architectural Drawings (701)

0454 OVERHEAD DOORS**1 GENERAL****1.1 RESPONSIBILITIES****General**

Requirement: Provide overhead doors, as documented.

1.2 CROSS REFERENCES**General**

Requirement: Conform to the following:

- 0171 General requirements.

1.3 STANDARDS**General**

Garage doors and other large access doors: To AS/NZS 4505.

1.4 SUBMISSIONS**Operation and maintenance manual**

General: Submit the manufacturer's published instructions for operation, care and maintenance.

Shop drawings

General: Submit shop drawings showing details of each assembly, component and connection, and information relevant to fabrication, surface treatment and installation.

Subcontractors

General: Submit names and contact details for proposed suppliers and installers.

1.5 INSPECTION**Notice**

Inspection: Give notice so that inspection may be made of the following:

- Framing or structure to receive tracks and motor.
- Tracks and guides installed before doors or shutters are hung.

2 PRODUCTS**2.1 GENERAL****Door assembly**

Requirement: Proprietary system complete with the manufacturer's standard operating system, hardware, and accessories.

Marking and labelling

General: To AS/NZS 4505 Section 8.

2.2 ROLLING CURTAIN AND ROLLING SHUTTER DOORS**General**

Requirement: Materials and finishes, as documented.

Curtain

Rolling curtain: Continuous roll formed profiled steel.

Rolling shutter: Individual horizontal interlocking slats with interlocking hinges.

Rolling grille: Articulated curtain formed of horizontal members spaced apart and connected by vertical links.

Bottom rail

Requirement: Provide a stiffening member as follows:

- Interlocking with the bottom edge or lowest part of the curtain.
- Extending between the inner faces of the vertical guides.
- Formed or adapted as required for sloping floors or threshold.

- Adapted to house a locking device, if required.

Wind locks

General: Provide wind lock end clips and guides to retain the curtain in wide openings or under extreme wind conditions.

Drum

Maximum drum deflection: 1/360th of the span.

Springs: Helical torsion springs housed in the drum and arranged to counterbalance the curtain weight without exceeding the safe working stress of the spring material.

Operation method

General: Method of opening and closing the door:

- Manual:
 - . D Handle to bottom rail, pull chord with ball suspended to 2m

2.3 OPERATION

Manual operation

General: Install so that the force required to operate the door manually does not exceed 220 N.

3 EXECUTION

3.1 INSTALLATION

General

Requirement: Install overhead doors in conformance with the manufacturer's recommendations and as documented.

Preparation

Substrate: Before start of installation, check the alignment of substrates or framing and adjust if required.

Frames, guides and tracks

Requirement: Install frames, guides and tracks as follows:

- Plumb, level, straight, true, and within tolerances and clearances recommended by the manufacturer.
- Fixed or anchored to the building structure using mechanical fixings suitable for the substrate and the imposed loads.
- Isolated from any building loads, including loads caused by structural deflection or shortening.

3.2 COMPLETION

Operation

General: Make sure moving parts operate freely and smoothly, without binding or sticking, at correct tensions or operating forces and that they are lubricated where appropriate.

Safety: Make sure all safety features are operating.

Remote control devices: Make sure devices are programmed and operating.

Protection

Temporary coating: On or before the date for practical completion of the works, or before joining up to other surfaces, remove all traces of temporary coatings used for protection.

Warranties

General: Submit the manufacturer's published product warranties.

4 SELECTIONS

Refer Architectural Drawings (701)

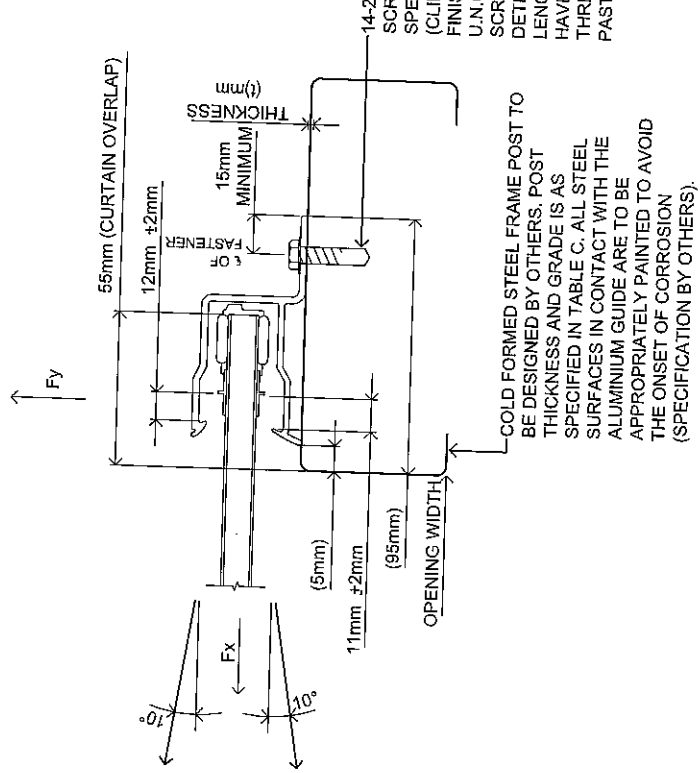


TABLE C
FASTENING SPECIFICATIONS INTO COLD FORMED STEEL
ABUTMENT SUPPORTS COMPLYING WITH AS 1397-2011

THICKNESS (t)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	G450	450 MPa	480 MPa	150mm

SECTION 2 PLAN
SCALE = 1:2

GUIDE SUPPORTED BY COLD FORMED STEEL FRAME FOR A
MAXIMUM DOOR SPAN (L) OF 3150mm IN REGION C TC2 AND UP TO A
MAXIMUM ULTIMATE DESIGN WIND PRESSURE 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 BUILDERS 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 4600:2018 COLD FORMED STEEL STRUCTURES
AS/NZS 1664.1:1997 ALUMINIUM STRUCTURES PART 1: LIMIT STATE DESIGN.

ISSUE	DATE	AMENDMENTS
A	14.10.13	ISSUED FOR CONSTRUCTION
H	01.11.13	GENERAL REVISION
J	02.06.14	GENERAL REVISION
K	24.12.14	GENERAL REVISION
L	14.10.21	GENERAL REVISION

CLIENT
B&D AUSTRALIA PTY LTD

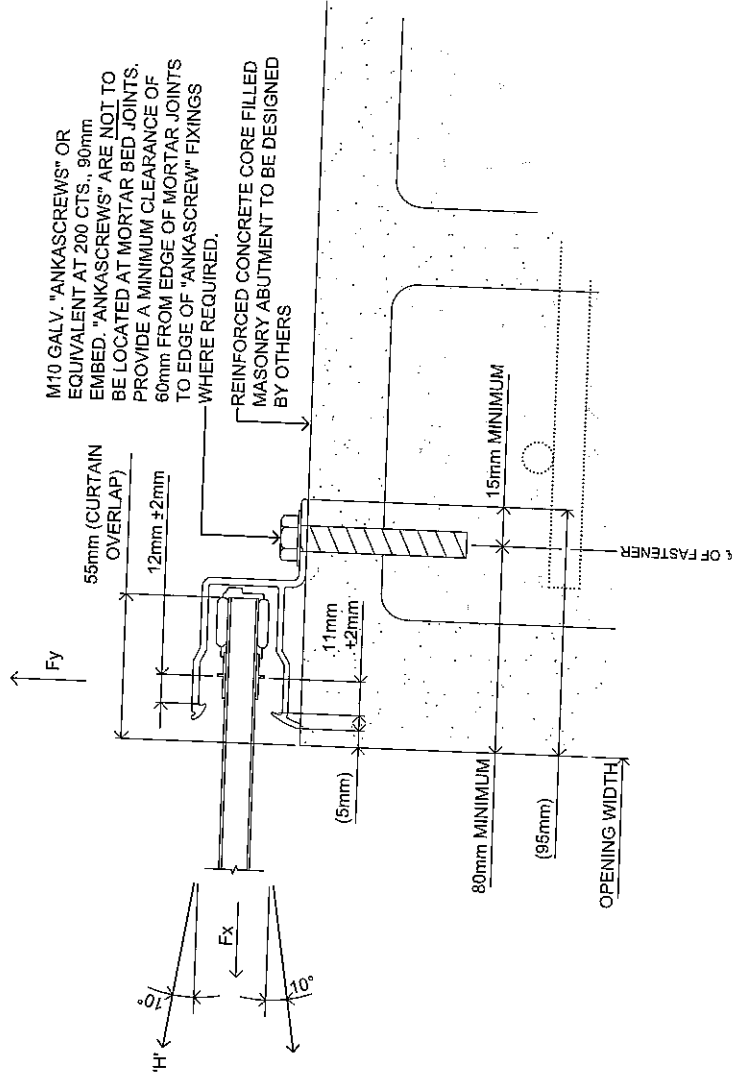
PROJECT
B&D SERIES 1 ROLL-A-DOOR (WINDLOCKED)
FOR USE IN WIND REGION C, TC2

DRAWING
SERIES 1 ROLL-A-DOOR
SUPPORT SECTION DETAIL

JAMES ELLIS & ASSOCIATES PTY LTD
Consulting Structural Engineers
www.jamesellisengineers.com.au
PO Box 251, Padstow NSW 2211
Ph: 8764 1035

SCALE
DESIGNED J.E.
DRAWN AAB
CHECKED
APPROVED
DATE
04/2021

DRAWING No.
S04 L
PROJECT No.
2212



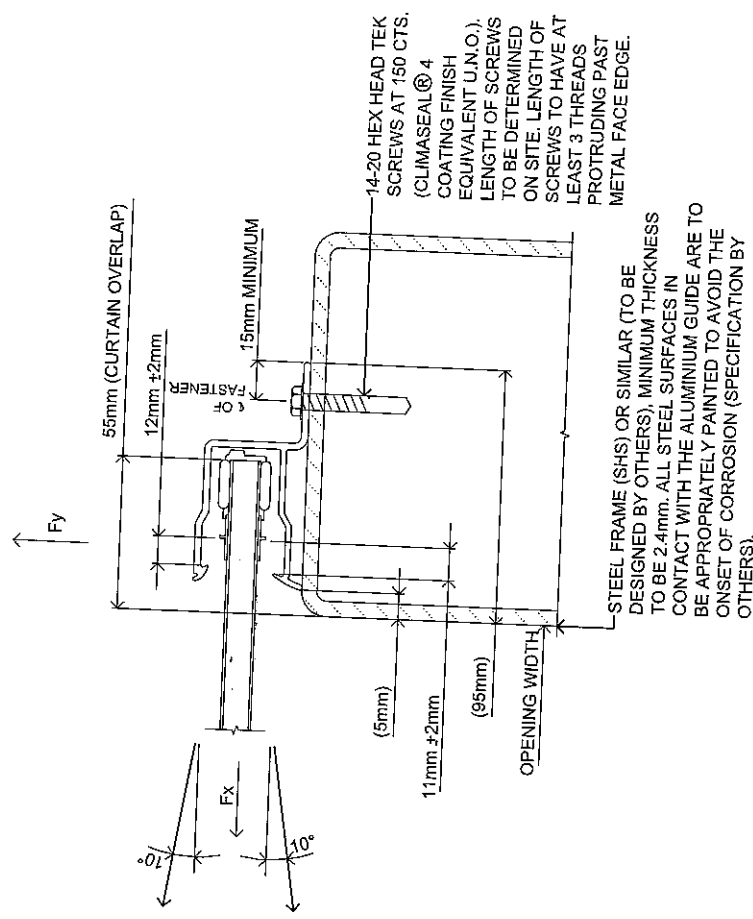
SECTION 2 PLAN

SCALE = 1:2

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 ULTIMATE 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 3700-2018 MASONRY STRUCTURES



SECTION 2 PLAN

SCALE = 1:2

GUIDE SUPPORTED BY MILD STEEL FRAME FOR A MAXIMUM DOOR SPAN (L) OF 3150mm IN REGION C TC2 AND UP TO A MAXIMUM ULTIMATE 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 STRUCTURAL STEEL ABUTMENTS HAVE BEEN DESIGNED USING TECHNICAL DATA PROVIDED BY BUILDDEX 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 4100:1998 STEEL STRUCTURES.
AS/NZS 4600:2018 COLD FORMED STEEL STRUCTURES
AS/NZS 1664.1:1997 ALUMINIUM STRUCTURES PART 1: LIMIT STATE DESIGN.

AS/NZS 1664.1:1997 ALUMINIUM STRUCTURES PART 1: LIMIT STATE DESIGN.

ISSUE	DATE	AMENDMENTS
G	09.07.13	GENERAL REVISION
H	01.11.13	GENERAL REVISION
J	02.05.14	GENERAL REVISION
K	24.12.14	GENERAL REVISION
L	14.10.21	GENERAL REVISION

CLIENT
B&D AUSTRALIA PTY LTD

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

DRAWING
SERIES 1 ROLL-A-DOOR
SUPPORT SECTION

JAMES ELLIS
& ASSOCIATES PTY LTD
Consulting Structural Engineers

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PO Box 251, Padstow NSW 2211
Ph: 8764 1035

DRAWING No.

S02 L

PROJECT No.

2212

SCALE

DESIGNED J.E.

DRAWN AAB

CHECKED

APPROVED

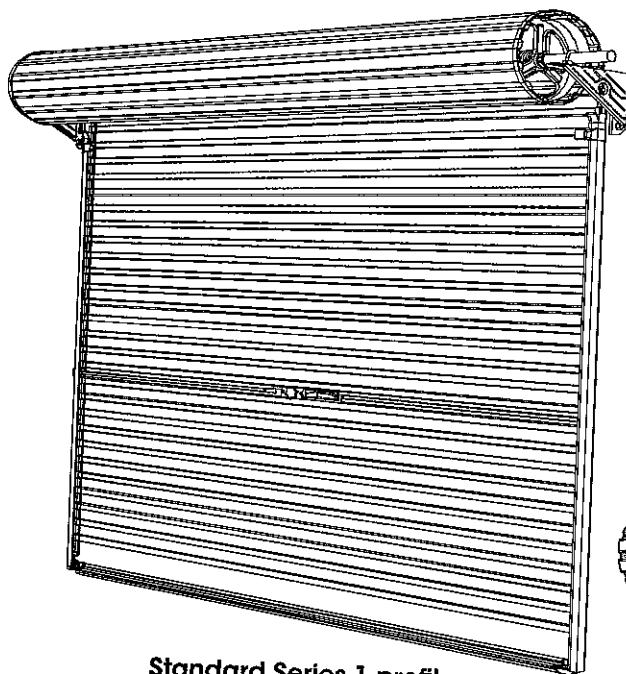
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01/2021

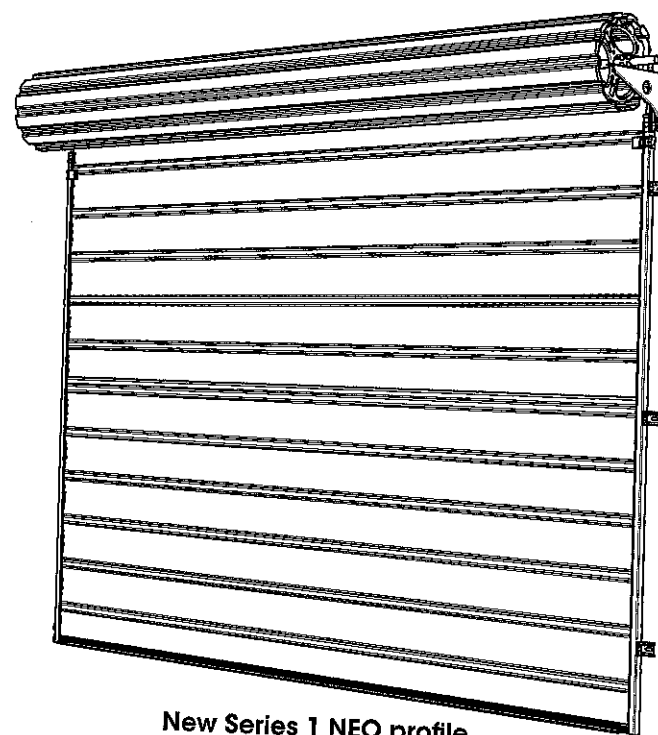
b&d

Roll-A-Door®

Series 1 - Installation instructions
(including Windlock option)



Standard Series 1 profile
(R1D, R1M, R1P)



New Series 1 NEO profile
(R1N)

These instructions are intended for professional garage door installers. All references are taken from inside looking out.

DOC# 165100_13
PART NO# 007488
RELEASED: 29/03/22

b&d

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1.0 before you begin

1.1 installation safety warnings

This B&D Roll-A-Door is designed and tested to provide security, attractive appearance and smooth, low effort operation provided it is installed and operated in strict accordance with the following safety warnings. Failure to comply with the following instructions may result in death, serious personal injury or property damage.

NOTE: No guarantee will be given or responsibility accepted by the manufacturers if the door is not installed as instructed.



WARNING!

Crush injury from unsecured door

Tension Springs



ELECTROCUTION!



LACERATION:



CAUTION:

Muscular strain

Fall from ladder

Hand Tools

Entanglement



TWO PERSON LIFT:

- Place a 2 metre exclusion zone around area under the garage opening while installing door. If sufficient area is not available DO NOT install door.
- Do not move under a door while it is on the door support (or lifting device).
- Follow the installation instructions.
- Fit door support (or lifting device) snugly under door before lifting.
- Ensure door support (or lifting device) is on flat ground.
- Ensure the door is immediately fastened to the bracket with the "U" Bolt.
- Ensure no-one walks under a door sitting on brackets.
- Ensure door is correctly secured at all times when making adjustments.
- Ensure the correct length pipe wrench is utilised.
- Ensure that pipe wrench is fitted correctly to the axle and if it is gripped onto the axle do not underestimate the tension in the spring when undoing the clamps.
- Ensure correct bolts are tightened or loosened to ensure there is no release or controlled release of energy from the spring through the pipe wrench.
- Keep head clear of the pipe wrench at all times.
- Check risk assessment for any highlighted electrical power concerns.
- Ensure power source is isolated prior to commencement of job.
- Turn off electricity to site when necessary.
- Wear rubber soled footwear.
- Wear appropriate PPE (Dyneema cut off gloves) and keep hands well clear of pinch points.
- Follow instructions explicitly, particularly for the installation of some parts of the doors, as the unrolled cut out edges presents a very sharp edge.
- Practice correct lifting techniques when required to lift the door.
- Use mechanical aids such as lifting devices, forklift and cranes where possible.
- Avoid twisting.
- Use correct technique of knotted rope installation aids.
- Ensure ladder is the correct type for job.
- Ensure ladder is on flat firm ground that will take the weight without the legs sinking.
- Ensure user has 3 points of contact while on ladder.
- Wear appropriate PPE and utilise operators manual of all tools.
- Use appropriate noise/hearing protection in the form of ear plugs or ear muffs.
- Ensure appropriate fire protection available and housekeeping to ensure that flammable liquids or materials are removed from the area of work.
- Keep hands and loose clothing clear of moving door and guides at all times.
- When a mechanical aid is not used this product requires a two person lift to raise onto the brackets. Use proper techniques and equipment to lift the door from the trailer and up onto brackets.

1.2 substrate fastener recommendations

! WARNING! Coach bolts/screws are NOT suitable for windrated doors. Refer to High Wind drawings on the B&D Website for Region A&B or Region C.

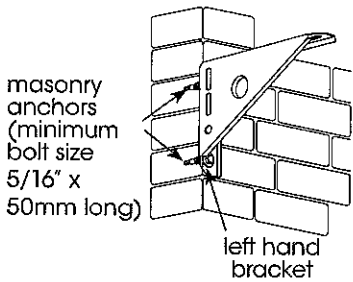
! WARNING! The installer must select and use fasteners appropriate to the material into which they are being fixed.

important notes

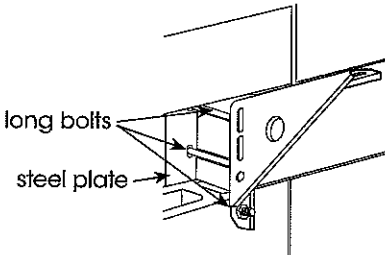
- a) For installation to materials not covered in the chart, the installer should seek expert advice from a qualified builder.
- b) Minimum length of fastener does not exclude use of longer lengths. Decision must be made by fitter to ensure adequate strength.
- c) Recommendations for old materials or materials not in good condition are not included. If in doubt about the strength of the material seek specialist advice.
- d) Fasteners for brackets in masonry should be at least 5/16" x 2.5" long or metric equivalent.
- e) Use the washers supplied in the parts bag to all fixings.

material	fastener type(s)	diameter or type	length of fastener (see note)	BKT	GUIDE
New Solid Brick	Coach Bolts (Hex Lag Screw) and washers - combined with wall plugs	5/16"	x 1½"		•
		3/8"	x 2"	•	•
	Macplugs (wall plugs) to suit above	5/16"	x 50mm		•
		3/8"	x 60mm	•	•
	HLC Sleeve Anchors (Dyna Bolts) with washers	12mm	x 55mm	•	
New Hollow Brick	HRD-VGK or HGK-VGS (Hex Head) Frame Anchors with washers	10mm	x 60mm	•	•
New Solid Concrete	Coach Bolts (Hex Lag Screw) and washers - combined with wall plugs	5/16"	x 1½"		•
		3/8"	x 2"	•	•
	Macplugs (wall plugs) to suit above	5/16"	x 50mm		•
		3/8"	x 60mm	•	•
	HLC Sleeve Anchors (Dyna Bolts) with washers	12mm	x 55mm	•	
Steel Framing e.g. BHP Framing (with rear access)	Hex Head Bolt Zinc Plated, Hexagon Nuts Zinc Plated, Washers Zinc Plated	5/16"	x 1"		•
		3/8"	x 1"	•	•
		10mm	x 25mm	•	•
		12mm	x 25mm	•	
Heavy Gauge Steel	Hex Head Tek and washers	14-20	x 22mm	•	•
Light Steel Framing e.g. BHP House Framing (no rear access)	Heavy Duty Kap Toggle	10mm	x 100mm	•	•
		12mm	x 100mm	•	
	Hex Head Tek and washers	6-10	x 20mm		•
New Timber	Coach Bolts (Hex Lag Screw) and washers	5/16"	x 1½"		•
		3/8"	x 2"	•	•
	Hex Head Tek and washers	14-10	x 50mm	•	•

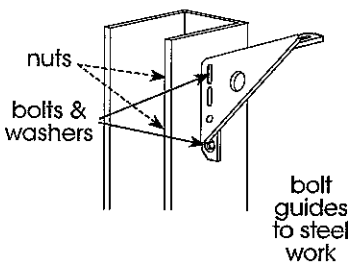
BRICK CONSTRUCTION



MASONRY BLOCK CONSTRUCTION



STEEL CONSTRUCTION



! WARNING! Masonry blockwork should be properly filled and reinforced if brackets are to be mounted directly to blockwork with masonry anchors. Where the blockwork is not solidly filled but structurally sound, long bolts should be passed through the blockwork using suitable steel plates under bolt heads. Special consideration should be given to brick type and construction of wall, to ensure satisfactory fixing.

1.3 requirements before installation

- 
- WARNING!** If you need to remove an old door prior to installing a B&D door ensure to:

 - Roll the door up and place a secure tie around the middle
 - Place door support on flat ground
 - Fit door support snugly under door before loosening the brackets or locating U bolts.
 - Slowly undo bolts to release the spring tension and the door from the brackets.
 - Slowly lift the door from the brackets keeping it balanced as it is lowered to the ground.

mounting - The door is designed to be mounted behind the opening.

obstructions - Ensure that the surface where the door will be fitted is flush and smooth, and the area behind the opening is free from any protrusions.

structural suitability - Ensure the opening is strong enough to support the door. If unsure, consult a builder.

level and plumb - The door must be installed in an absolutely level position, If opening is not level and square, appearance and/or sideroom requirements will be affected. The floor should be level or recessed across the opening to avoid gaps.

1.3.1 measurements

opening width - As the standard door overlaps each side by 30mm or more, the door should be 60mm wider than the opening. A wider door like NEO R1N (40mm each side overlap, 80mm wider than opening) can be fitted as long as additional sideroom and fixing is available. **(Fig 1.3.1a)** Max drive through heights for each door height are listed in **Fig 1.3.1b**. Wind-Locked doors require additional overlap dependent on the substrate, consult the B&D High Wind Certification Drawings for more detail.

opening height - The door opening height (or drive through clearance) indicates the distance between the ground and rubber seal at the bottom of the door, with door fully open. For doors with a handle, the bottom rail is recommended to hang a minimum of **80mm below** the lintel. **(Fig 1.3.2)**

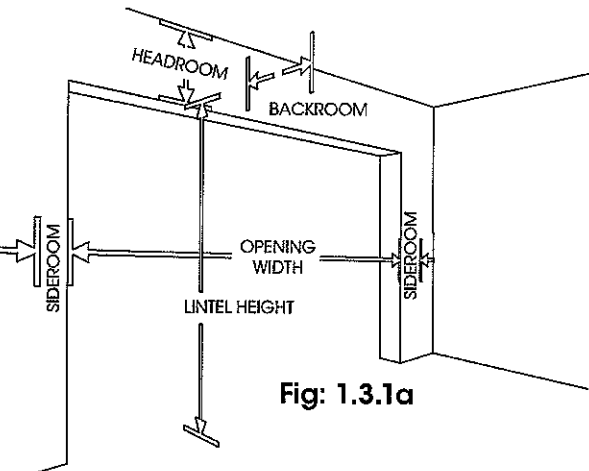


Fig: 1.3.1a

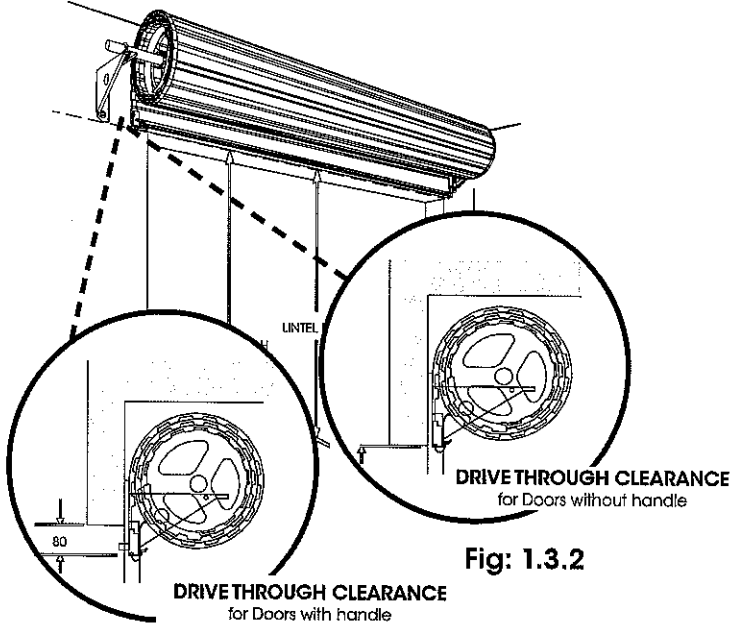


Fig: 1.3.2

Fig: 1.3.1b

Description	Neo		Squaring Bridge		Rollacur		Mini Warehouse	
Model code	R1N		R1D		R1P		R1M	
Door & Max Drive Through Heights (mm)	Door Height	Max Drive Height	Door Height	Max Drive Height	Door Height	Max Drive Height	Door Height	Max Drive Height
	-	-	1250	1250	1250	1250	1250	1250
	2100	2100	2100	2100	2100	2100	2100	2100
	2400	2400	2400	2400	2400	2400	2400	2400
	2700	2700	2700	2700	2700	2700	2700	2700
	3000	3000	3000	3000	3000	3000	3000	3000
Max Door Width (including overlap)	3150mm		3150mm		3150mm		3150mm	

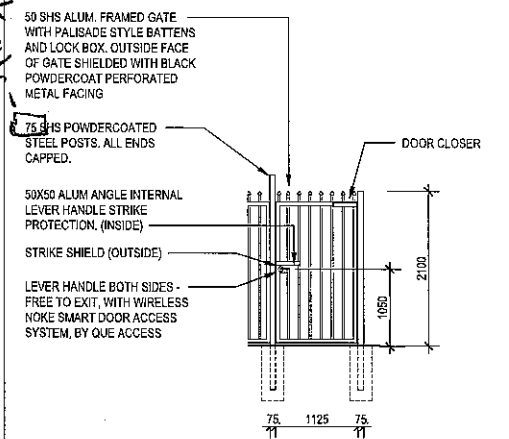
HINGED DOOR-DOOR SCHEDULE										
TYPE	DESCRIPTION	QTY	DOOR TYPE	DOOR FINISH - EXTERNAL	DOOR FINISH - INTERNAL	FRAME	FRAME FINISH	SEALS	LOCK	HARDWARE
HD-A	HINGED DOOR TYPE A - 2040 X 2204 - EXTERNAL	8	METAL CLAD-HINGED SOLID CORE DOUBLE DOOR	PREFINISHED COLORBOND BASALT METAL FACING AND EDGE CAPPING	STANDARD ZINC METAL FACING-PAINT - COLOUR RED	STEEL DOOR FRAME	PAINT- COLORBOND BASALT	RAVEN RP8851 DOOR BOTTOM SEAL, RAVEN RP37 MEETING STILE SEAL	ELECTRONIC LOCK WITH, WIRED SMART ACCESS "NOKE VOLT" ELECTRONIC DOOR CONTROL BY QUE ACCESS, LEVER HANDLE BOTH SIDES. ALWAYS FREE TO EXIT, PROVIDE A REQUEST TO EXIT PUSH BUTTON (MIN. 500mm CLEAR FROM AN INTERNAL CORNER)	2x DOOR CLOSERS, primary leaf- STRIKE SHIELD, WIRED SMART ACCESS "NOKE VOLT" ELECTRONIC DOOR CONTROL WITH CABLE TRANSFER DEVICE AND A SMART ACCESS ELECTRONIC MAGNETIC DOOR HOLD OPEN DEVICE. secondary leaf 1x DOOR STOP, TOP BOLT AND BOTTOM BOLT WITH FLOOR FERRULE TUBES.
HD-B	HINGED DOOR TYPE B - 2040 X 220 - INTERNAL	1	FLUSH PANEL-HINGED SOLID CORE SINGLE DOOR	PAINT- COLORBOND BASALT	PAINT- COLORBOND BASALT	STEEL DOOR FRAME	PAINT- COLORBOND BASALT	NONE	LEVER HANDLE, PRIVACY LATCH WITH INDICATOR BOLT	DOOR CLOSER, DOOR STOP, (BRAILLE & TACTILE SIGNAGE REFER TO SPEC.)
HINGED GATE SCHEDULE										
TYPE	DESCRIPTION	QTY	DOOR TYPE	DOOR FINISH	FRAME	FRAME FINISH	SEALS	LOCK	HARDWARE	
HG-01	HINGED GATE 01 - FARM STREET	1	50 SHS ALUM. FRAMED GATE WITH PALISADE STYLE BATTENS, LOCK BOX AND INTERNAL LEVER HANDLE STRIKE PROTECTION. REFER TO ELEVATION DETAIL.	BLACK POWDERCOAT	75 SHS POWDERCOATED STEEL POSTS, ALL ENDS CAPPED.	BLACK POWDERCOAT	NONE	LEVER HANDLE BOTH SIDES - FREE TO EXIT, WITH WIRELESS NOKE SMART DOOR ACCESS SYSTEM, BY QUE ACCESS	DOOR CLOSER, STRIKE SHIELD	
HG-02	HINGED GATE 02 - ALEXANDRA STREET	1	50 SHS ALUM. FRAMED GATE WITH PALISADE STYLE BATTENS, LOCK BOX AND INTERNAL LEVER HANDLE STRIKE PROTECTION. REFER TO ELEVATION DETAIL.	BLACK POWDERCOAT	75 SHS POWDERCOATED STEEL POSTS, ALL ENDS CAPPED.	BLACK POWDERCOAT	NONE	LEVER HANDLE BOTH SIDES - FREE TO EXIT, WITH WIRELESS NOKE SMART DOOR ACCESS SYSTEM, BY QUE ACCESS	DOOR CLOSER, STRIKE SHIELD	
ROLLER DOOR SCHEDULE										
TYPE	DESCRIPTION	QTY	ROLLER DOOR TYPE	DOOR FINISH	SEALS	LOCK	HARDWARE			
RD-A	ROLLER DOOR TYPE A - 2600 WIDE X 2400 HIGH - EXTERNAL	63	B&D ROLL-A-DOOR SERIES 1 HIGH WIND DOOR WITH REGION C WINDLOCK GUIDE	COLORBOND BASALT	ALUMINIUM BOTTOM RAIL WITH WEATHER SEAL	ELECTRONIC LOCK WITH, WIRED "NOKE VOLT" SMART DOOR ACCESS SYSTEM, BY QUE ACCESS	"D" HANDLE TO BOTTOM RAIL, PULL CHORD WITH BALL SUSPENDED TO 2m			
RD-B	ROLLER DOOR TYPE B - 3000 WIDE X 2700 HIGH - EXTERNAL	17	B&D ROLL-A-DOOR SERIES 1 HIGH WIND DOOR WITH REGION C WINDLOCK GUIDE	COLORBOND BASALT	ALUMINIUM BOTTOM RAIL WITH WEATHER SEAL	ELECTRONIC LOCK WITH, WIRED "NOKE VOLT" SMART DOOR ACCESS SYSTEM, BY QUE ACCESS	"D" HANDLE TO BOTTOM RAIL, PULL CHORD WITH BALL SUSPENDED TO 2m			
RD-C	ROLLER DOOR TYPE C - 1000 WIDE X 2400 HIGH - INTERNAL	26	B&D ROLL-A-DOOR SERIES 1 WITH STANDARD GUIDE (INTERNAL ROLLER DOOR)	COLORBOND BASALT	ALUMINIUM BOTTOM RAIL WITH WEATHER SEAL	ELECTRONIC LOCK WITH, WIRED "NOKE VOLT" SMART DOOR ACCESS SYSTEM, BY QUE ACCESS	"D" HANDLE TO BOTTOM RAIL, PULL CHORD WITH BALL SUSPENDED TO 2m			
RD-D	ROLLER DOOR TYPE D - 2500 WIDE X 2400 HIGH - INTERNAL	7	B&D ROLL-A-DOOR SERIES 1 WITH STANDARD GUIDE (INTERNAL ROLLER DOOR)	COLORBOND BASALT	ALUMINIUM BOTTOM RAIL WITH WEATHER SEAL	ELECTRONIC LOCK WITH, WIRED "NOKE VOLT" SMART DOOR ACCESS SYSTEM, BY QUE ACCESS	"D" HANDLE TO BOTTOM RAIL, PULL CHORD WITH BALL SUSPENDED TO 2m			
RD-E	ROLLER DOOR TYPE E - 2500 WIDE X 2480 HIGH - EXTERNAL	5	B&D ROLL-A-DOOR SERIES 1 HIGH WIND DOOR WITH REGION C WINDLOCK GUIDE	COLORBOND BASALT	ALUMINIUM BOTTOM RAIL WITH WEATHER SEAL	ELECTRONIC LOCK WITH, WIRED "NOKE VOLT" SMART DOOR ACCESS SYSTEM, BY QUE ACCESS	"D" HANDLE TO BOTTOM RAIL, PULL CHORD WITH BALL SUSPENDED TO 2m			
RD-F	ROLLER DOOR TYPE F - 2500 WIDE X 2480 HIGH - EXTERNAL	1	B&D ROLL-A-DOOR SERIES 1 HIGH WIND DOOR WITH REGION C WINDLOCK GUIDE	COLORBOND BASALT	ALUMINIUM BOTTOM RAIL WITH WEATHER SEAL	ELECTRONIC LOCK WITH, WIRED "NOKE VOLT" SMART DOOR ACCESS SYSTEM, BY QUE ACCESS	"D" HANDLE TO BOTTOM RAIL, PULL CHORD WITH BALL SUSPENDED TO 2m			

NOTE:
• SCHEDULED ROLLER DOOR WIDTHS EQUALS OPENING WIDTH
• SCHEDULED ROLLER DOOR HEIGHTS ARE MEASURED FROM FLOOR LEVEL AND DOES NOT INCLUDE THE ADDITIONAL EXTERNAL DOOR THRESHOLD SETDOWN HEIGHT.

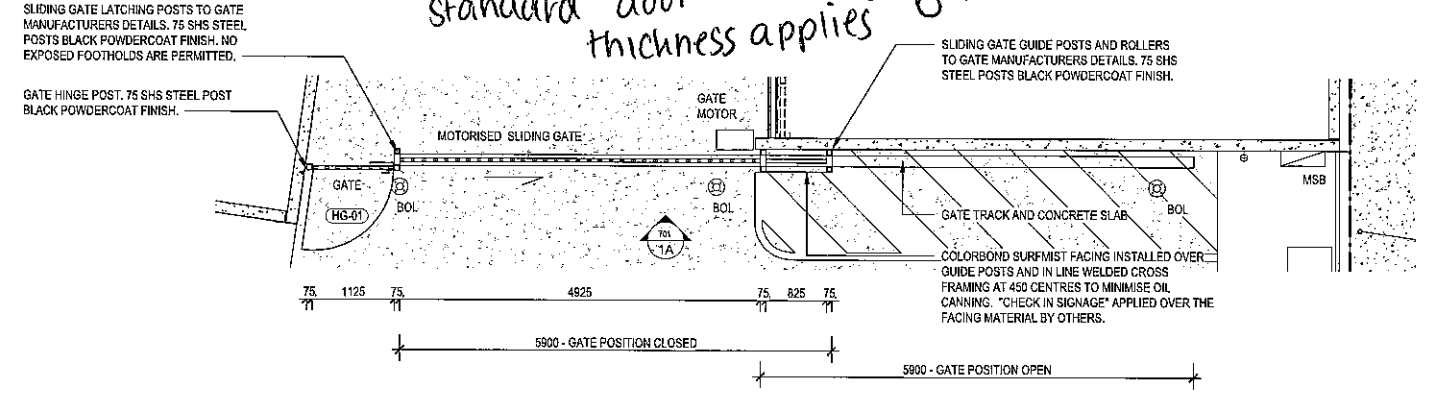
These are all the items

specific sizes of each item
standard door thickness applies in specifications
0453 doors and access panels

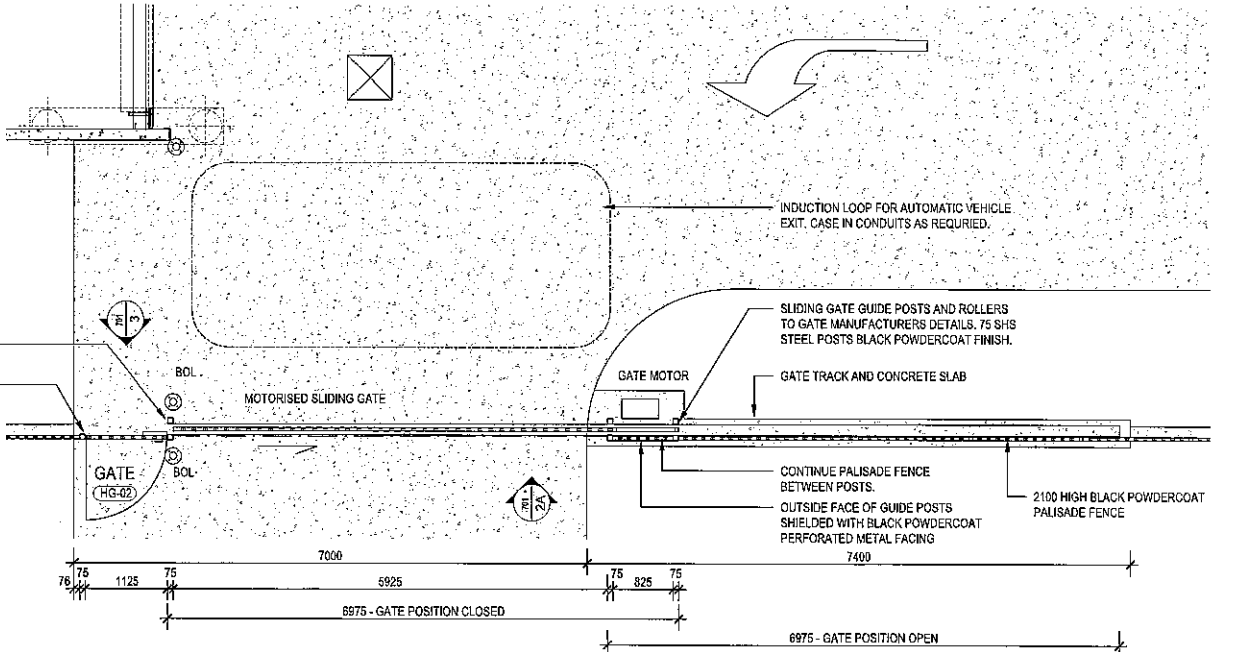
match paint specifications (basalt)



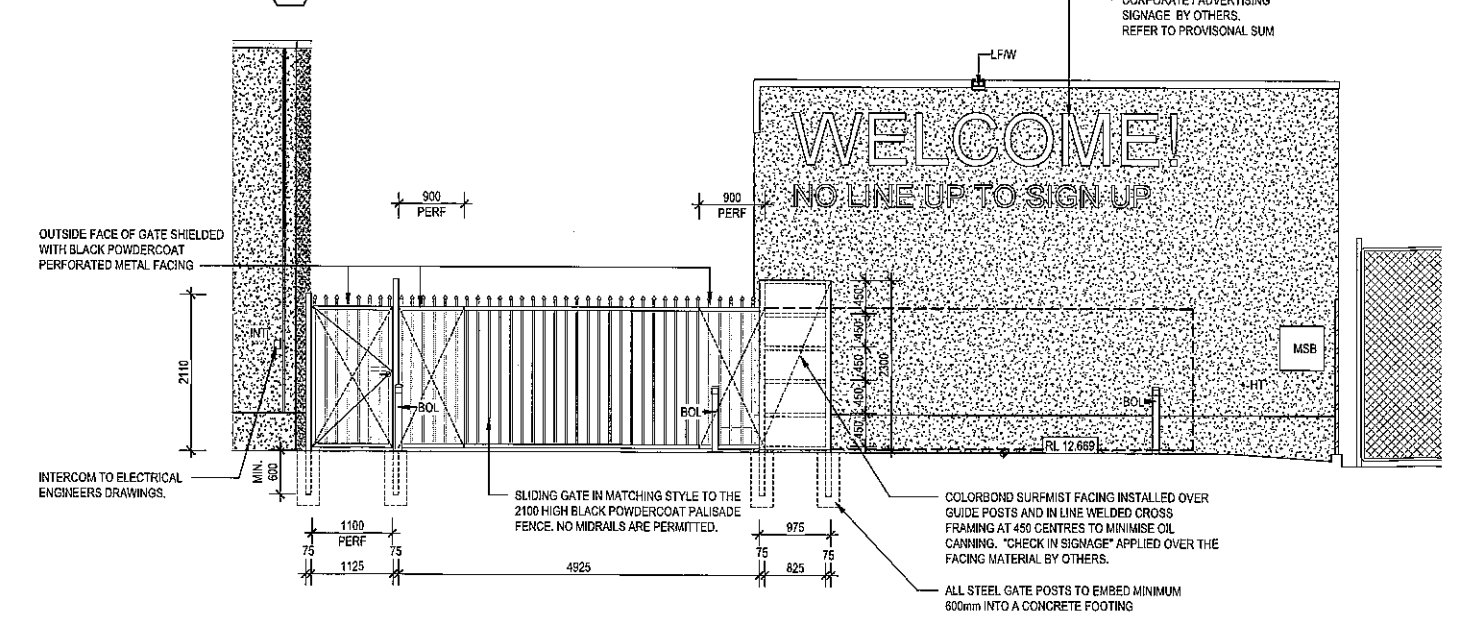
3 (HG) HINGED GATE ELEVATION
1:50 @ A1



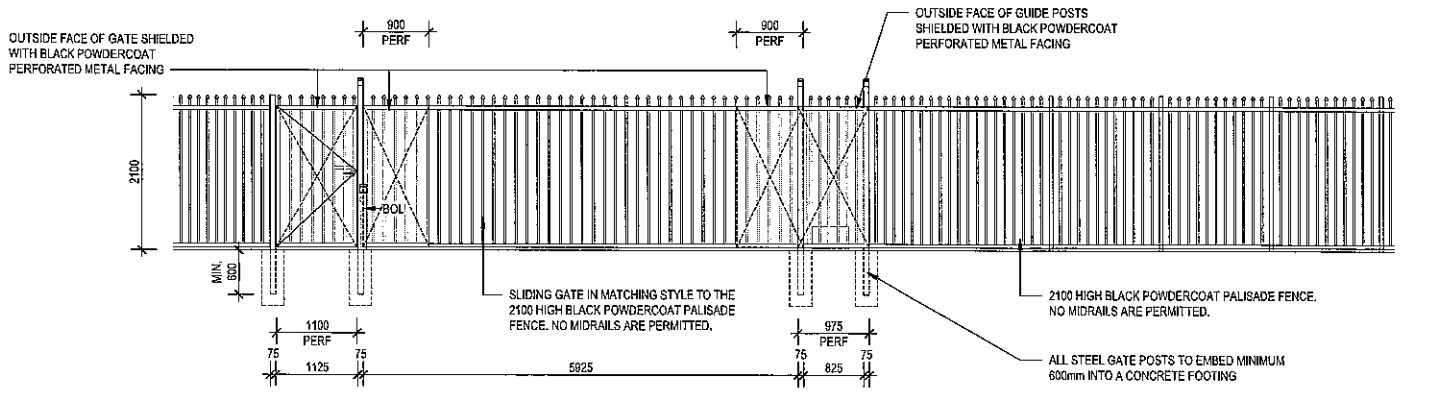
1 GATE DETAIL PLAN - FARM STREET
1:50 @ A1



2 GATE DETAIL PLAN - ALEXANDRA STREET
1:50 @ A1



1A GATE ELEVATION - FARM STREET
1:50 @ A1



2A GATE ELEVATION - ALEXANDRA STREET
1:50 @ A1

GENERAL NOTES
• CONTRACTOR TO CONFIRM ALL DIMENSIONS ON SITE BEFORE COMMENCING WORK.
• ALL WORKS TO BE CARRIED OUT TO LOCAL AUTHORITY REQUIREMENTS.
• THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH SPECIFICATION AND ASSOCIATED NOTES.
• DO NOT SCALE THIS DRAWING. IF IN DOUBT, ASK.

LEGEND
(E) DENOTES EXISTING
BOL BOLLARD, REFER D161 SUNDRY ITEMS.
HT HOSE TAP
INT INTERCOM
LFW LIGHT FITTING/ WALL MOUNTED, REFER ELEC DWGS
MSB MAIN SWITCHBOARD, REFER ELEC DWGS

DOOR NOTES:
• REFER TO PLANS FOR DOOR SWING DIRECTION
• ALL LEVER HANDLE DOOR FURNITURE TO BE 1050mm AFL

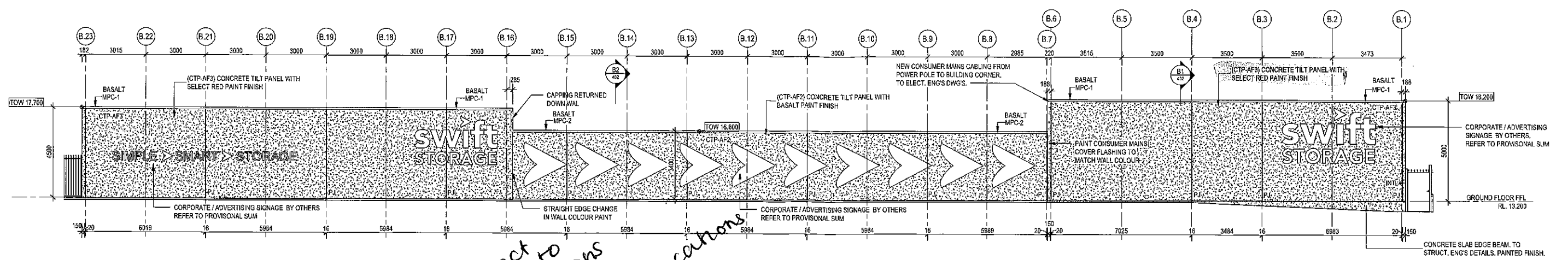
HINGES:
• ALL HINGED DOORS TO HAVE 4 No. 100mm HINGES.

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scale @A3 1:100
TENDER ISSUE
REV. DESCRIPTION ISSUED BY DATE
P1 PRELIMINARY ISSUE KR 28/05/2022
P2 PRELIMINARY ISSUE KR 21/07/2022
P3 PRELIMINARY ISSUE KR 03/08/2022
T1 TENDER ISSUE KR 18/08/2022

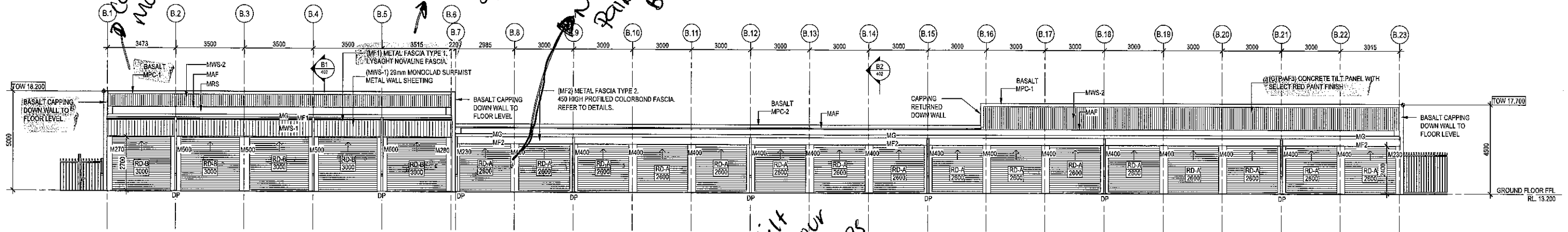
TONY MADDEN ARCHITECTS
www.tmachitects.com.au
(07) 4927 9700

client: SS PROPERTY TRUST
location: 146 - 152 FARM STREET KAWANA QLD 4701

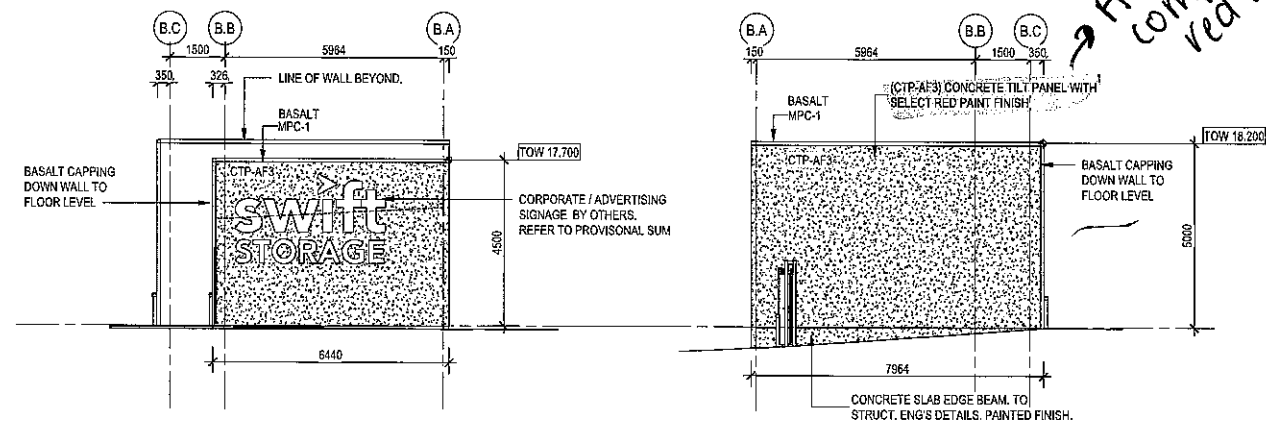
project: SWIFT STORAGE - FARM STREET KAWANA ROCKHAMPTON
drawing title: DOOR & GATE SCHEDULE
job no: 2256
drawing no: 701
rev: T1



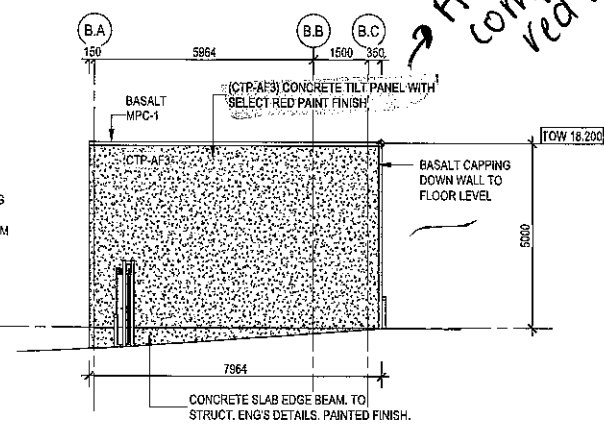
1 BUILDING B - NORTH ELEVATION



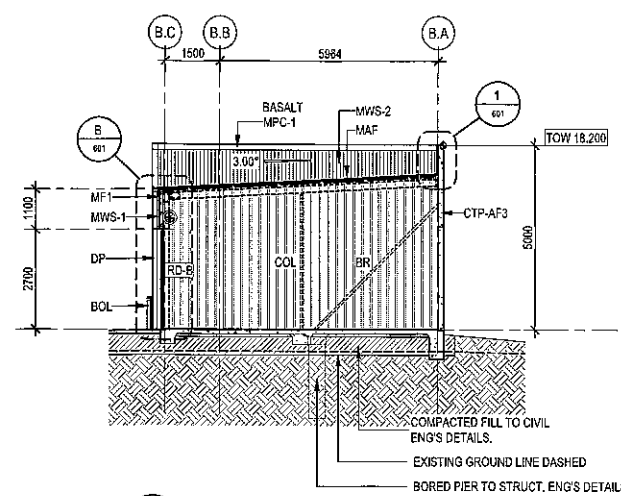
2 BUILDING B - SOUTH ELEVATION



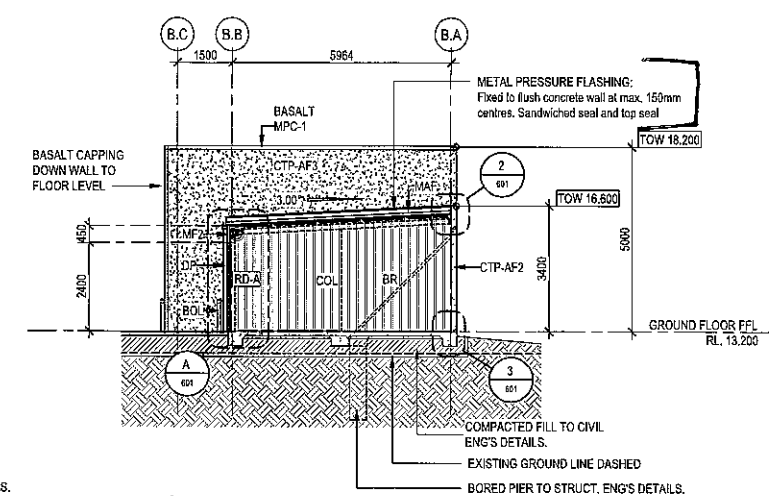
3 BUILDING B - EAST ELEVATION



4 BUILDING B - WEST ELEVATION



B1 BUILDING B SECTION B1



B2 BUILDING B SECTION B2

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18/08/2022 1:00 PM
Author: Dora / 0275 - Swift Storage/2025 - Swift Storage - Farm Street

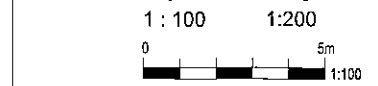
LEGEND

(E) DENOTES EXISTING

- BOL BOLLARD, REFER 0191 SUNDRY ITEMS.
- BR STEEL BRACING TO STRUCT. ENG'S DETAILS
- COL COLUMN - TO ENGINEERS DWG'S
- CTP-AF2 CONCRETE TILT-UP PANEL - TO ENGINEERS DWG'S, APPLIED BASALT PAINT FINISH.
- CTP-AF3 CONCRETE TILT-UP PANEL - TO ENGINEERS DWG'S, APPLIED RED PAINT FINISH.
- DP DOWNPIPE, REFER HYDRA DRAWINGS.
- INT INTERCOM
- M230 230 MILLION - TO ENGINEERS DWG'S
- M270 270 MILLION - TO ENGINEERS DWG'S
- M280 280 MILLION - TO ENGINEERS DWG'S
- M400 400 MILLION - TO ENGINEERS DWG'S

- M500 500 MILLION - TO ENGINEERS DWG'S
- MAF METAL APRON FLASHING, REFER 0421 ROOFING
- MF1 METAL FASCIA TYPE 1 - LYSAGHT NOVALINE
- MF2 METAL FASCIA TYPE 2 - 450 HIGH PROFILED COLORBOND
- MG METAL GUTTER - SLOTTED LYSAGHT EMLINE
- MPC-1 METAL PARAPET CAPPING-TYPE 1, REFER 0421 ROOFING
- MPC-2 METAL PARAPET CAPPING-TYPE 2, REFER 0421 ROOFING
- MRS METAL ROOF SHEETING - MONOCLAD
- MWS-1 METAL WALL SHEETING - TYPE 1-29mm MONOCLAD SURFMIST
- MWS-2 METAL WALL SHEETING - TYPE 2-16mm CORRUGATED SURFMIST
- PJ TILT PANEL JOINT - TO ENGINEERS DWG'S

scale @A1 1:100 scale @A3 1:200



TENDER ISSUE

REV.	DESCRIPTION	ISSUED BY	DATE
P4	PRELIMINARY ISSUE	IR	26/05/2022
P5	PRELIMINARY ISSUE	IR	29/07/2022
P6	PRELIMINARY ISSUE	IR	03/08/2022
T1	TENDER ISSUE	IR	18/08/2022



client: SS PROPERTY TRUST

project: SWIFT STORAGE - FARM STREET KAWANA ROCKHAMPTON

drawing title: ELEVATIONS & SECTIONS - BUILDING B

location: 146 - 152 FARM STREET KAWANA QLD 4701

job no: 2256

drawing no: 402

rev: T1