



QA3note-GSN001-3

GENERAL STRUCTURAL NOTES

Non-Cyclonic - Terrain Category 2.5 (Height to 3m).

Unless noted otherwise

General:

G.1 Design criteria (to AS1170 parts 0,1 & 2)
 Wind load: Region: **A2** Terrain category: **2.5**

G.2 All workmanship & materials shall be in accordance with any relevant Australian Standard prepared by the standards Association of Australia.

G.3 Where DTC standards are shown these refer to the Deemed to Comply standards prepared by the N.T. Dept. of Infrastructure, Planning and Environment.

G.4 The contractor shall be responsible for the structure during erection & shall provide adequate propping & support.

Fill material and compaction

F.1 Selected fill shall be gravel, decomposed or broken rock, free from clay lumps & organic matter.

conforming to the following grading & requirements:-

AS metric sieve	% passing by weight	AS metric sieve	% passing by weight	linear shrinkage	
75.0mm	100	2.36mm	15 - 65		
9.5mm	30 - 100	0.075mm	5 - 25	2% - 8%	

Prior to placement of fill (or compaction of approved natural material) the area of the works (min. 1000 beyond perimeter of slabs) shall be cleared & stripped of all topsoil and deleterious materials. Fill up to 150mm below slab level shall be compacted in 150mm layers to 90% MMDD.

F.2 Fill (or natural material where approved) in 150mm layer immediately below slab level shall be compacted to 95% MMDD Sand blinding layer below concrete slab (if used) shall be compacted by vibration plate compactor to 95% MMDD

F.3 Footings have been designed for an allowable bearing pressure of 150kPa and assume a Class A or S site classification to AS 2870. The builder shall verify site classification, bearing capacity of foundation materials prior to placing concrete. Pour concrete against undisturbed foundation material, backfill over excavation with lean mix concrete.

Concrete

C.1 Unless otherwise noted concrete for slabs & footings shall be class N25 (25 MPa f'c, 20mm max. aggregate), supplied & placed including vibration in accordance with AS3600. Concrete slump to be 75+- 15mm. No admixtures to be used unless noted otherwise or approved in writing by the engineer.

C.2 Cover to reinforcement shall be in accordance with AS3600. Concrete cover to be maintained by use of approved chairs spaced at 800 nominal crs. Conduits & pipes shall not be placed within cover concrete.

C.3 Mesh reinforcement laps shall be at least one full wire spacing plus 25mm. Reinforcement shall be in accordance with AS3600 and AS4671.

C.4 Concrete to be cured by an approved method for a minimum of 7 days. Selection of curing method should take into account the required surface for any applied finishes.

Steelwork

S.1 All structural steelwork shall be carried out in accordance with AS4100 - SAA Steel Structures code & associated Australian standards. Steel grades shall be in accordance with table 2.1 of AS4100.

S.2 Unless noted otherwise, steelwork shall be as follows:-

- * Rolled steel sections Grade 300 to AS3679.1&2.
- * Circular hollow sections Grade C350. to AS1163.
- * Square and rectangular hollow sections Grade C450 to AS1163.
- * Cold formed purlins/girts Grade C450 to AS1397.

S.3 Unless noted otherwise welds shall be 3mm continuous fillet welds & shall be of general purpose quality. All butt welds shall be of general purpose quality. Welding shall be in accordance with AS1554.

S.4 Bolts & bolting shall be carried out in accordance with AS4100 & associated standards. Unless noted otherwise:

- * Bolt grade & category shall be 4.6/s (provide washer under all nuts)
- * Thread projection beyond nut shall be minimum 1 thread.
- * Cold formed purlin & girt bolts shall be BHP Steel Products or equal with integral washer.

S.5 Steelwork, unless hot dip galvanised or noted otherwise shall be degreased, prepared as required & primed with zinc phosphate or other approved primer applied strictly to manuf. specification. Finish coats to exposed steelwork to be paint compatible with primer. (Duragal to be primed & painted as per manufacturers specifications).

S.6 Capped all opening with 4mm steel plate

Timber

T.1 Structural timber shall be minimum stress grade MGP12 (unless noted otherwise) in accordance with AS1720.


T.2 Where applicable, framing shall be in accordance with AS1684.1-4

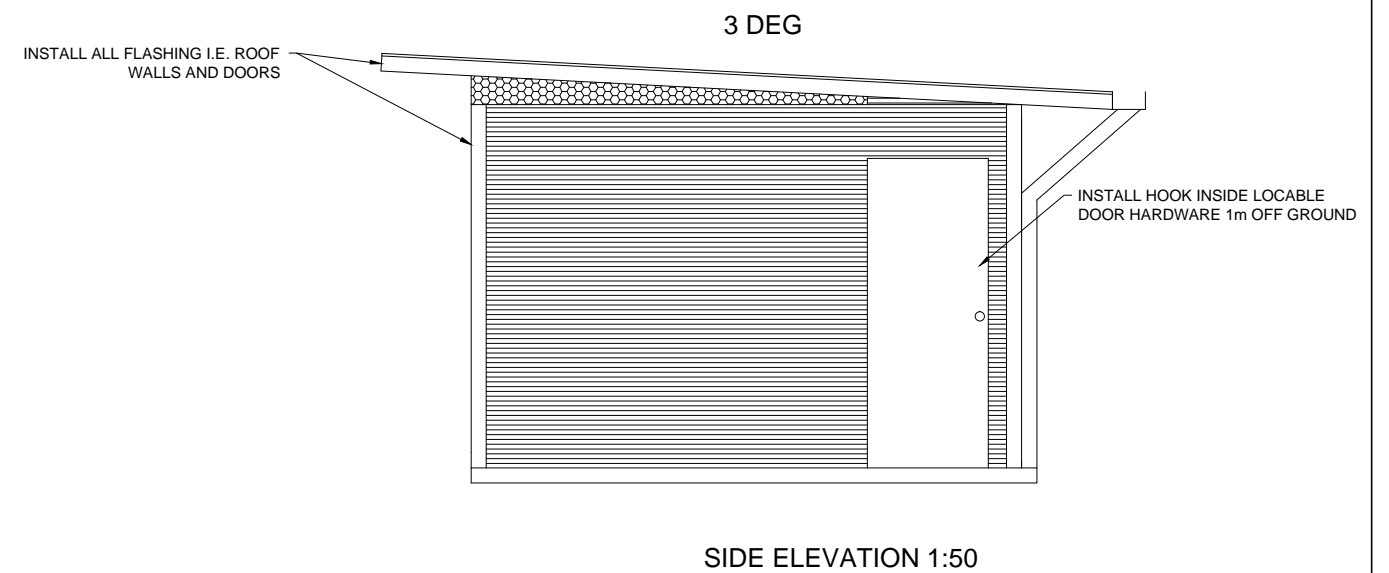
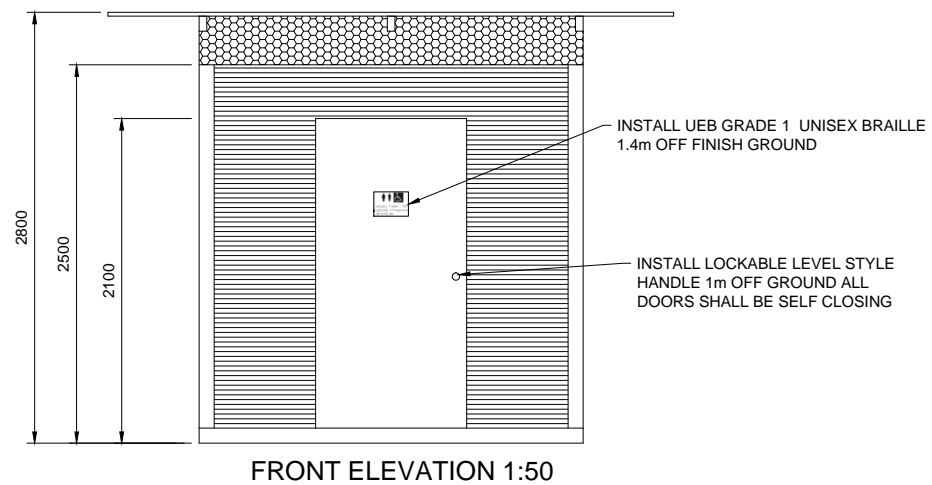
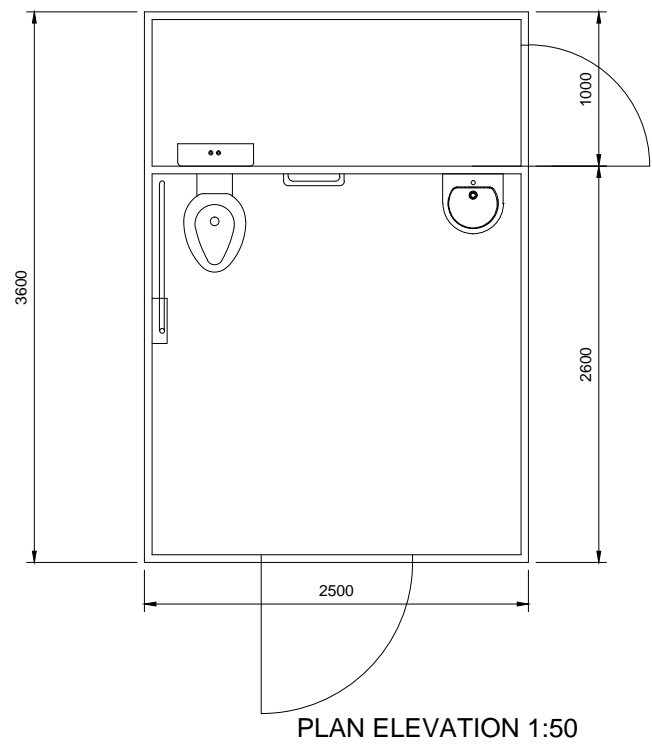
T.3 Provide standard circular or square pl. washers to all bolts in timber. Size and thickness as per AS1720.

WARNING: THE LOCATION OF EXISTING SERVICES ARE APPROXIMATE ONLY AND NOT ALL SERVICES MAY BE SHOWN. THE EXACT LOCATION SHOULD BE PROVED ON SITE BY THE CONTRACTOR PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.

No	Revision	Drawn	Checked	Date

FOR CONSTRUCTION

DO NOT SCALE	Drawn JL	Designed JL	Project GEORGE TOWN COUNCIL CEMETERY TOILET Title LOCALITY PLAN
	Checked AH	Checked AH	
	Approved		
	Date		
Scale		Original Size A3	Drawing No: W917 S01
 GEORGE TOWN COUNCIL 16-20 Anne Street, George Town, Tasmania, 7253		Rev: 0	



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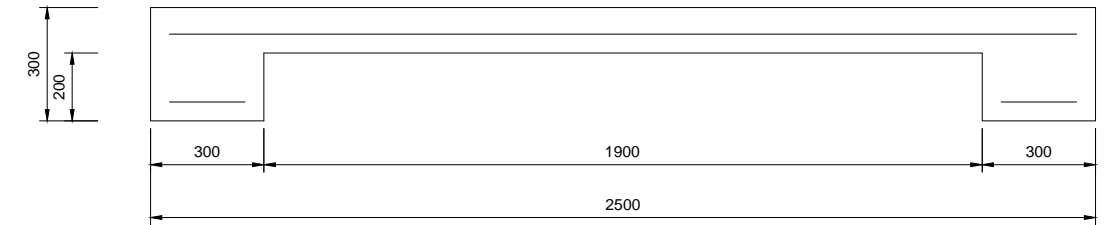
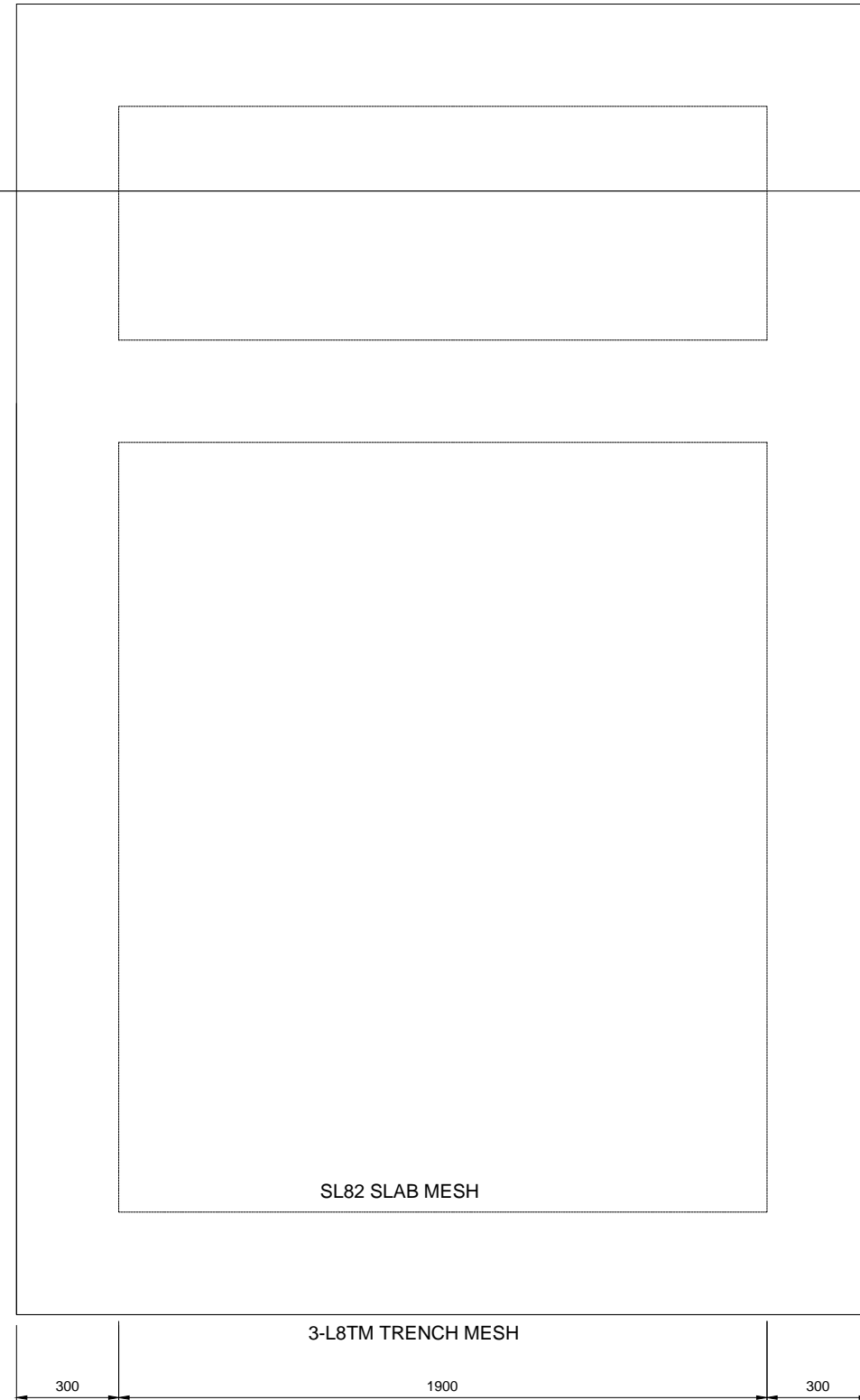
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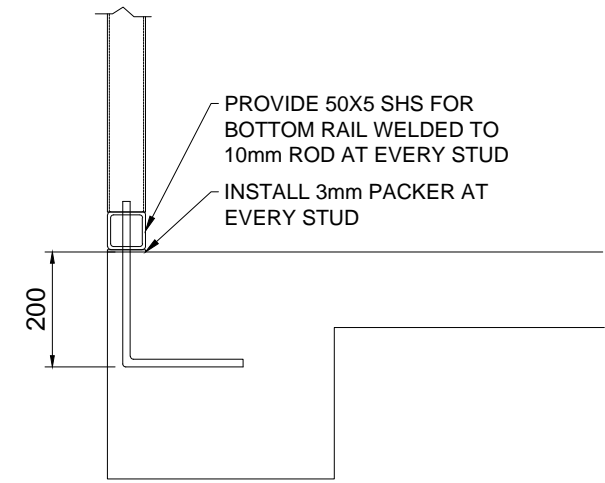
<p>GEORGE TOWN COUNCIL 15-20 Anne Street, George Town, Tasmania, 7253</p>	DO NOT SCALE		Drawn JL	Designed JL	Project GEORGE TOWN COUNCIL CEMETERY TOILET
	Checked AH	Checked AH	Title ELEVATION VIEW		
	Approved		Date		Original Size A3 Drawing No: W917 S02
	Scale		Rev: 0		

SD01
S03

SD01
S03



S03 SD01 1:20
SLAB CROSS SECTION



1:10
CAST IN PLATE DETAIL

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SLAB DETAIL 1:20

FOR CONSTRUCTION

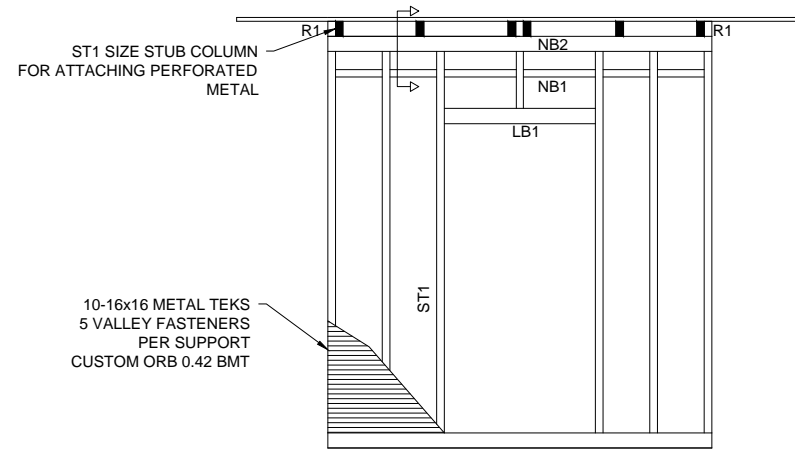
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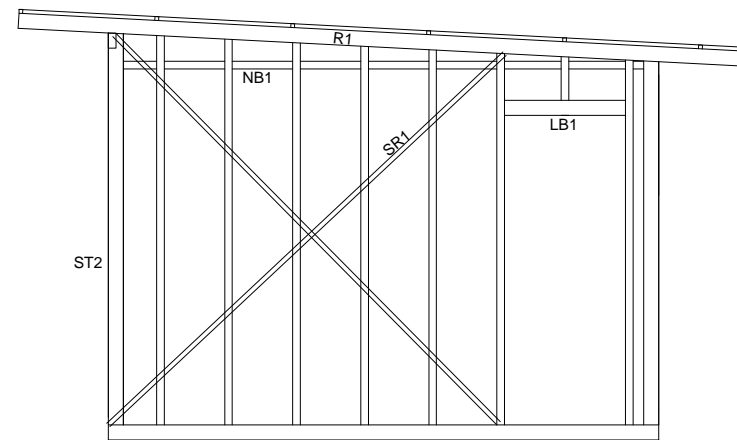
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Tasmania, 7253

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Approved	
Date	
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Project	GEORGE TOWN COUNCIL CEMETERY TOILET
Title	SLAB FRAMING PLAN AND CROSS SECTION
Original Size	A3 Drawing No: W917 S03
Rev:	0

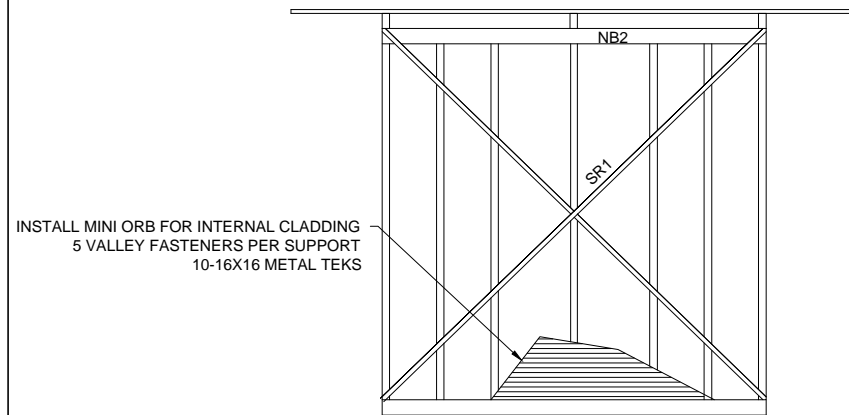


1:50
FRONT ELEVATION WALL FRAMING

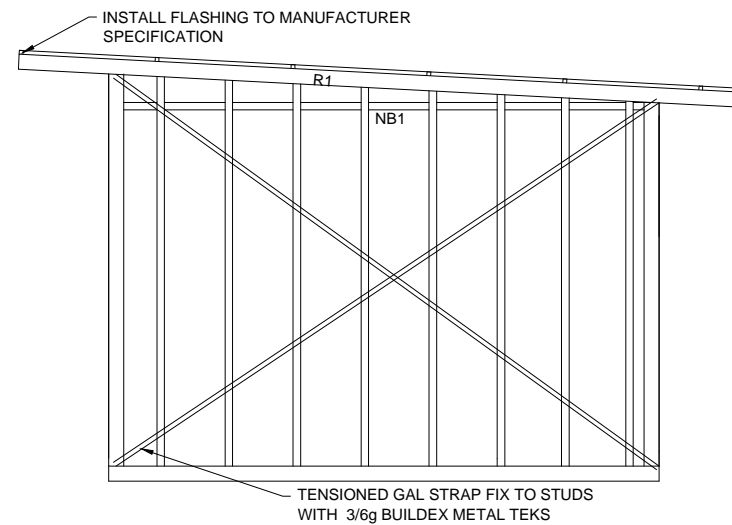


1:50
S04 SD03 SIDE FRAMING DETAIL

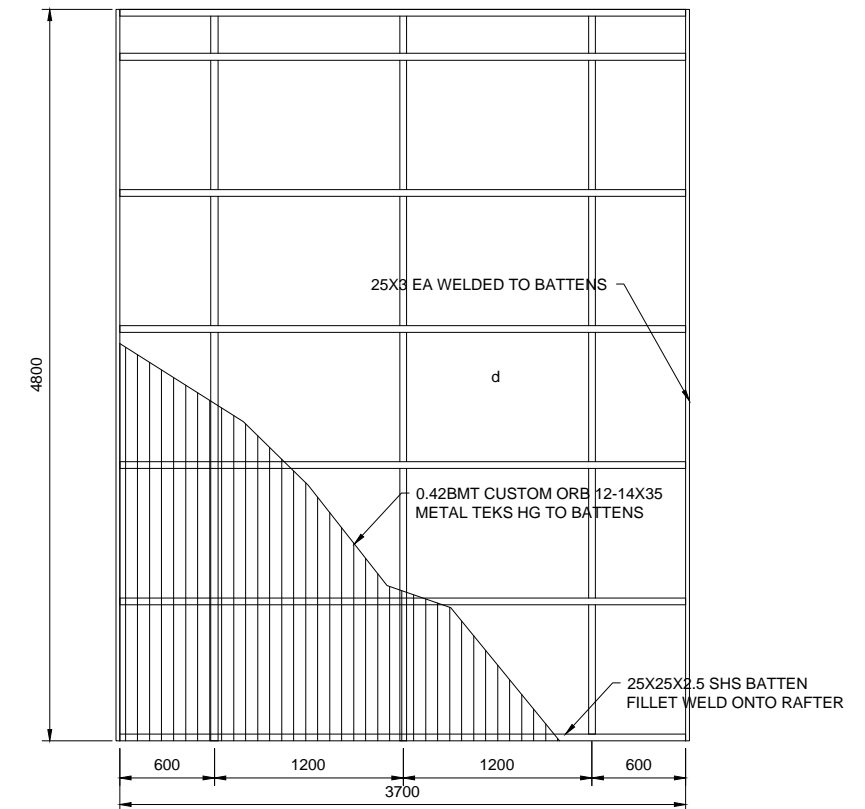
MEMBER SCHEDULE		
CODE	DESCRIPTION	SIZE
LB1	LINTEL BEAM	100X50X2.5 RHS
ST1	STEEL STUD	50X50X2.5 SHS
ST2	CORNER STUD	100X50X2.5 RHS
NB1	NOGGING BEAM	50X50X2.5 SHS
NB2	NOGGING BEAM	100X50X2.5 RHS
R1	RAFTER	100X50X2.5 SHS
SR1	STRAP	30X0.8 mm TENSIONED GAL STRAP
MAIN DOOR		2.045X1m DOUBLE STEEL CLAD TIMBER CORE DOOR AND INSTALL TO MANUFACTURER SPECS
SECONDARY DOOR		2.045X0.8 DOUBLE STEEL CLAD TIMBER CORE DOOR AND INSTALL TO MANUFACTURER SPECS



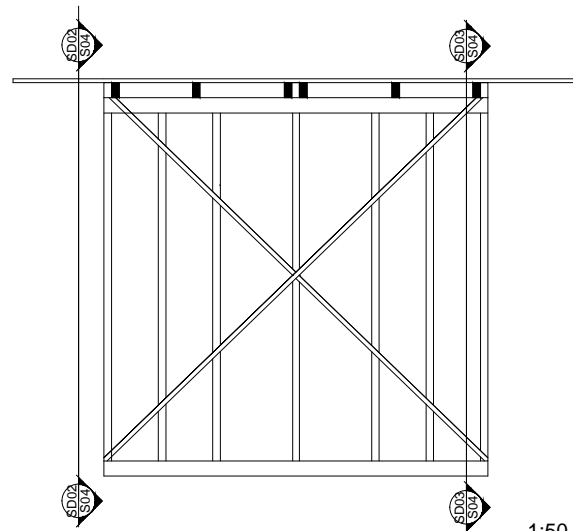
1:50
INTERMEDIATE ELEVATED WALL FRAMING



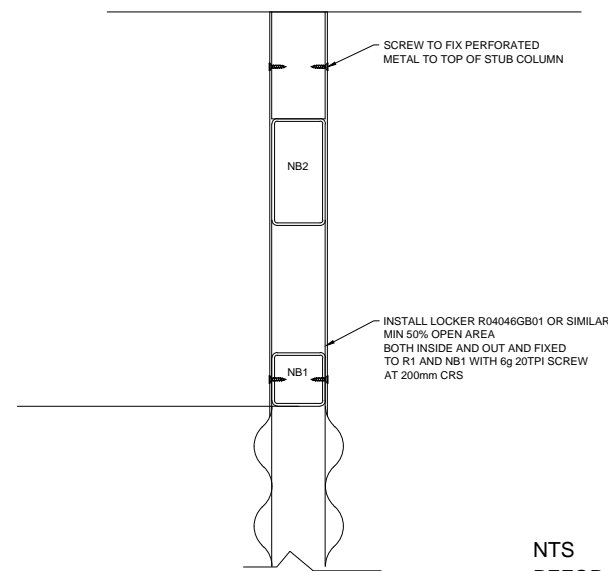
1:50
S04 SD02 SIDE FRAMING DETAIL



1:50
ROOF FRAMING PLAN



1:50
BACK ELEVATED WALL FRAMING



NTS
PERFORATED STEEL CONNECTION DETAIL

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FOR CONSTRUCTION

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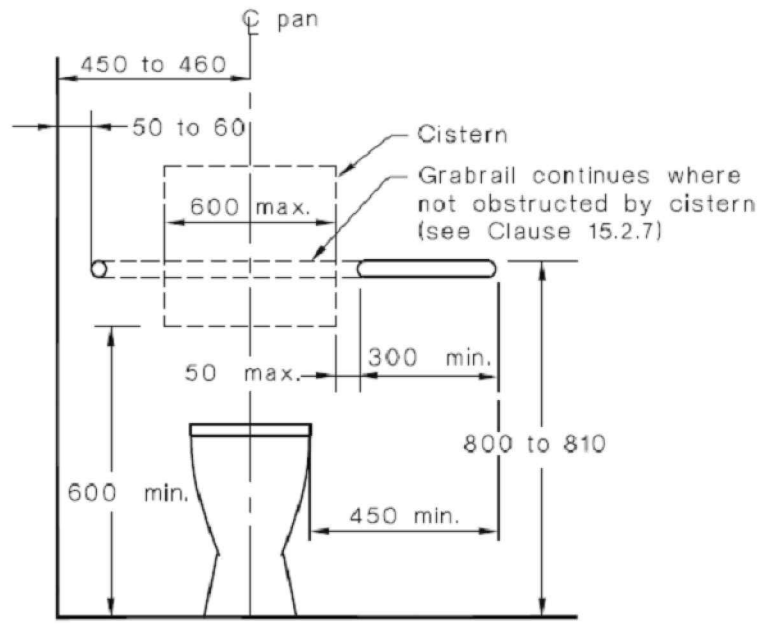
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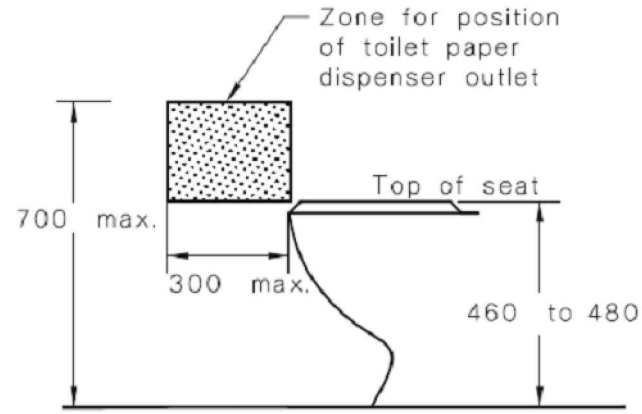
Project GEORGE TOWN COUNCIL
CEMETERY TOILET
Title WALL AND ROOF FRAMING PLAN

Original Size **A3** Drawing No: W917 S04

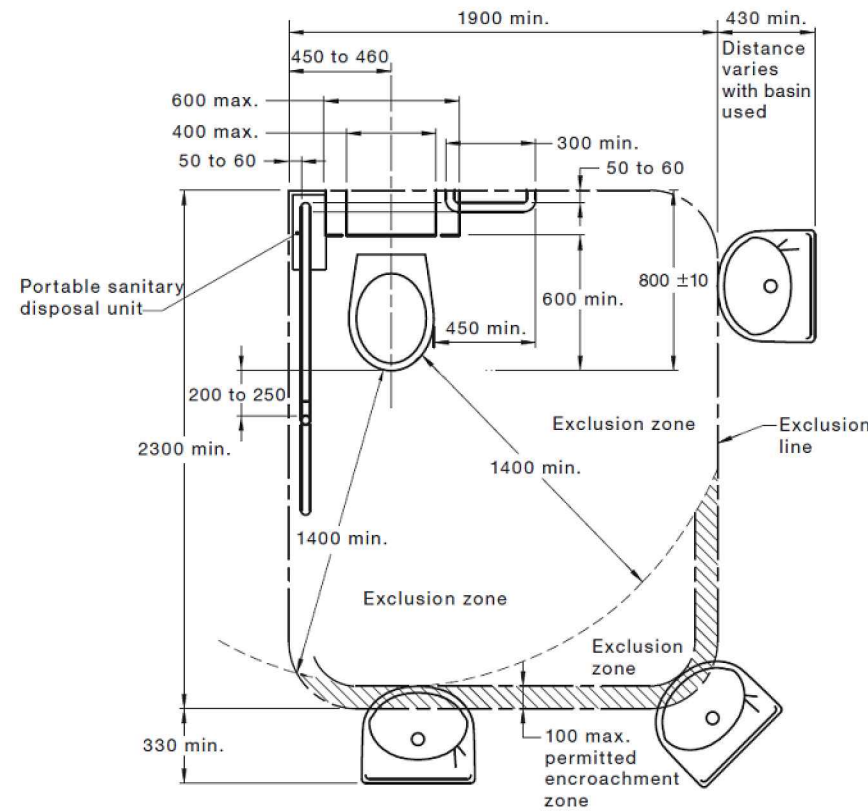
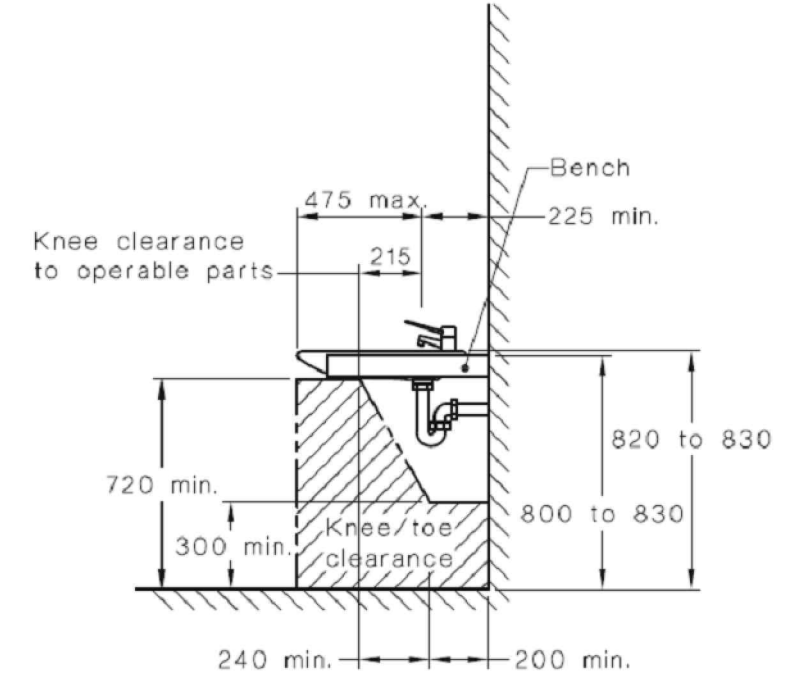
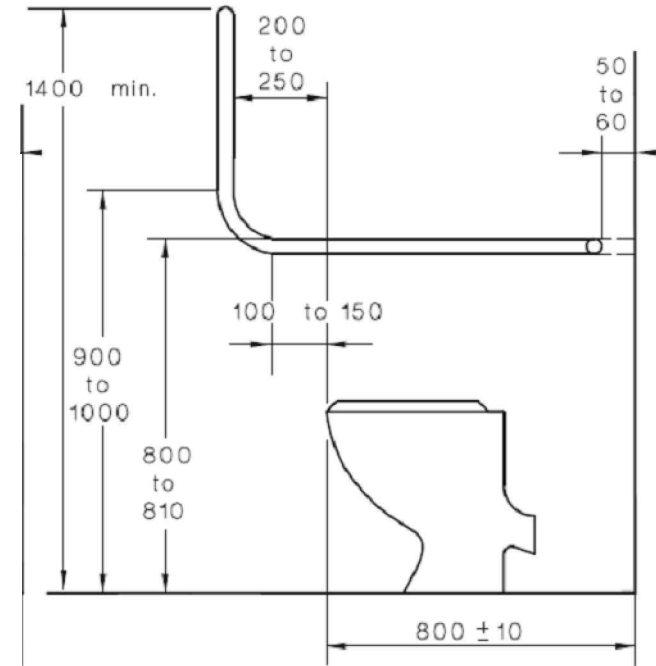
Rev: 0



(b) Grabrail at back of pan and sectional view of grabrail at side of pan



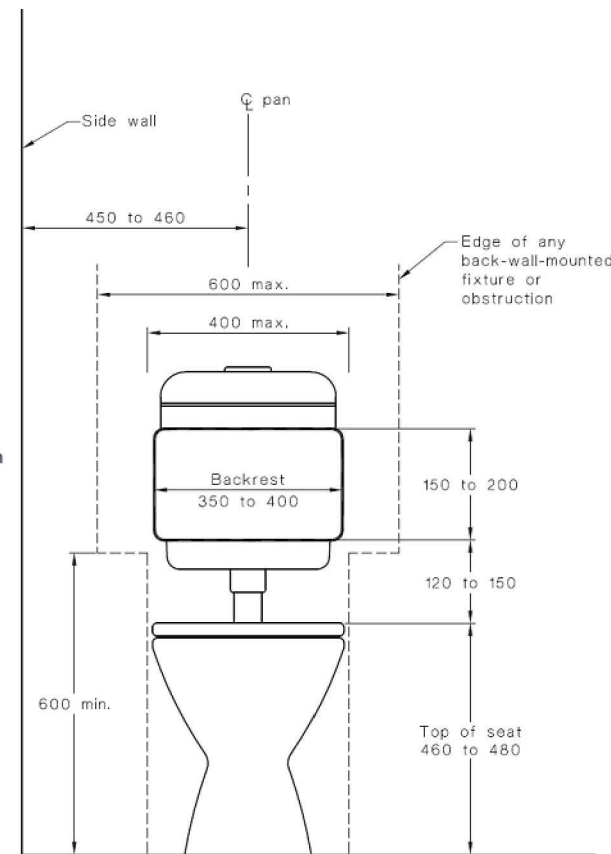
DIMENSIONS IN MILLIMETRES



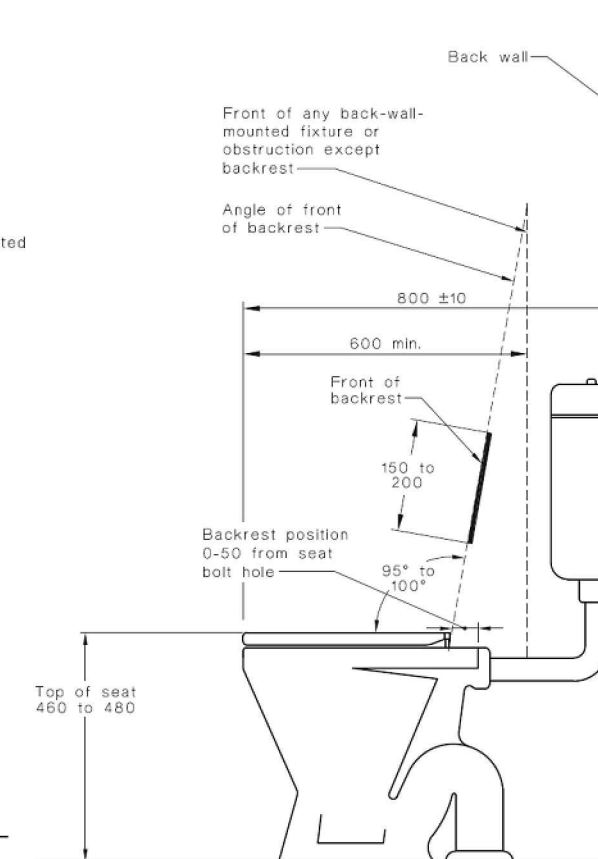
LEGEND
 --- Circulation space line

NOTE: This circulation space may overlap any other circulation spaces specified in this Standard.

1:50
 BACK ELEVATED WALL FRAMING

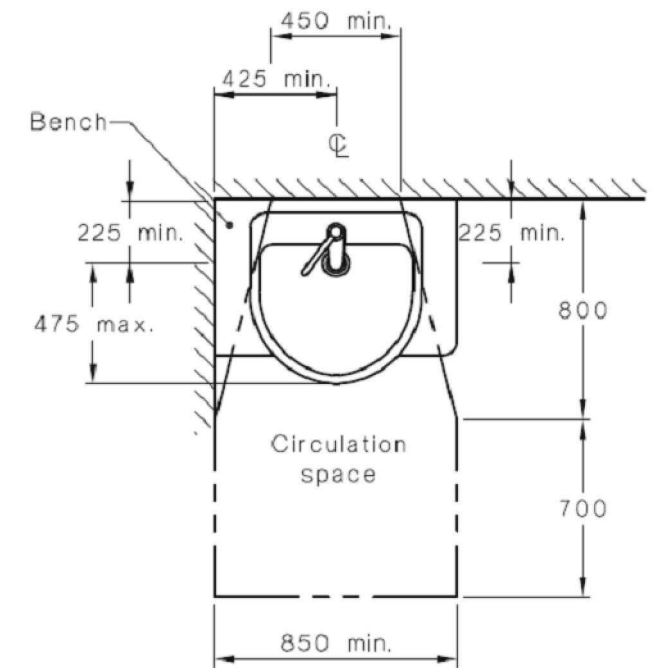


(a) Front view
 DIMENSIONS IN MILLIMETRES



(b) Side view

1:5
 PERORATED STEEL CONNECTION DETAIL



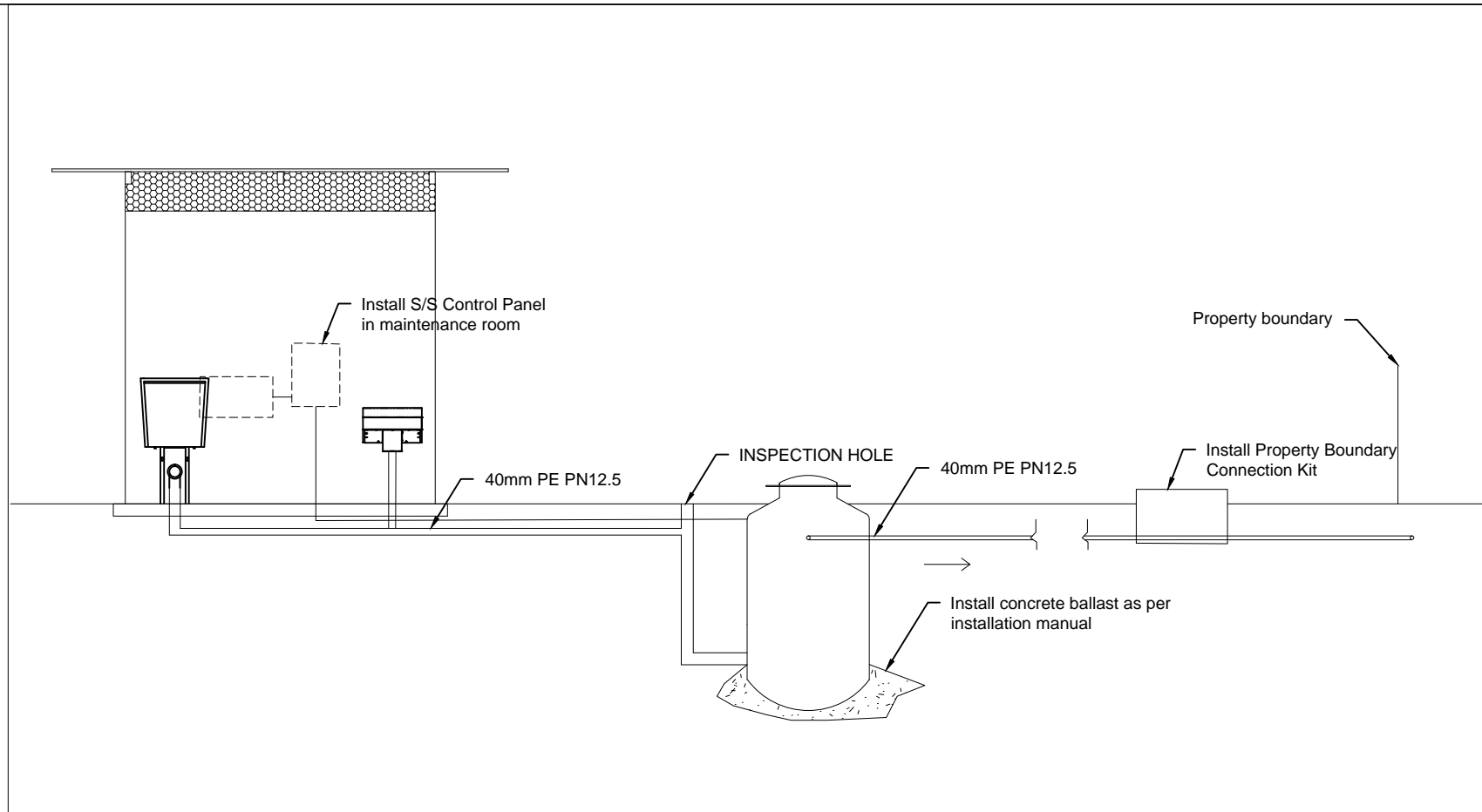
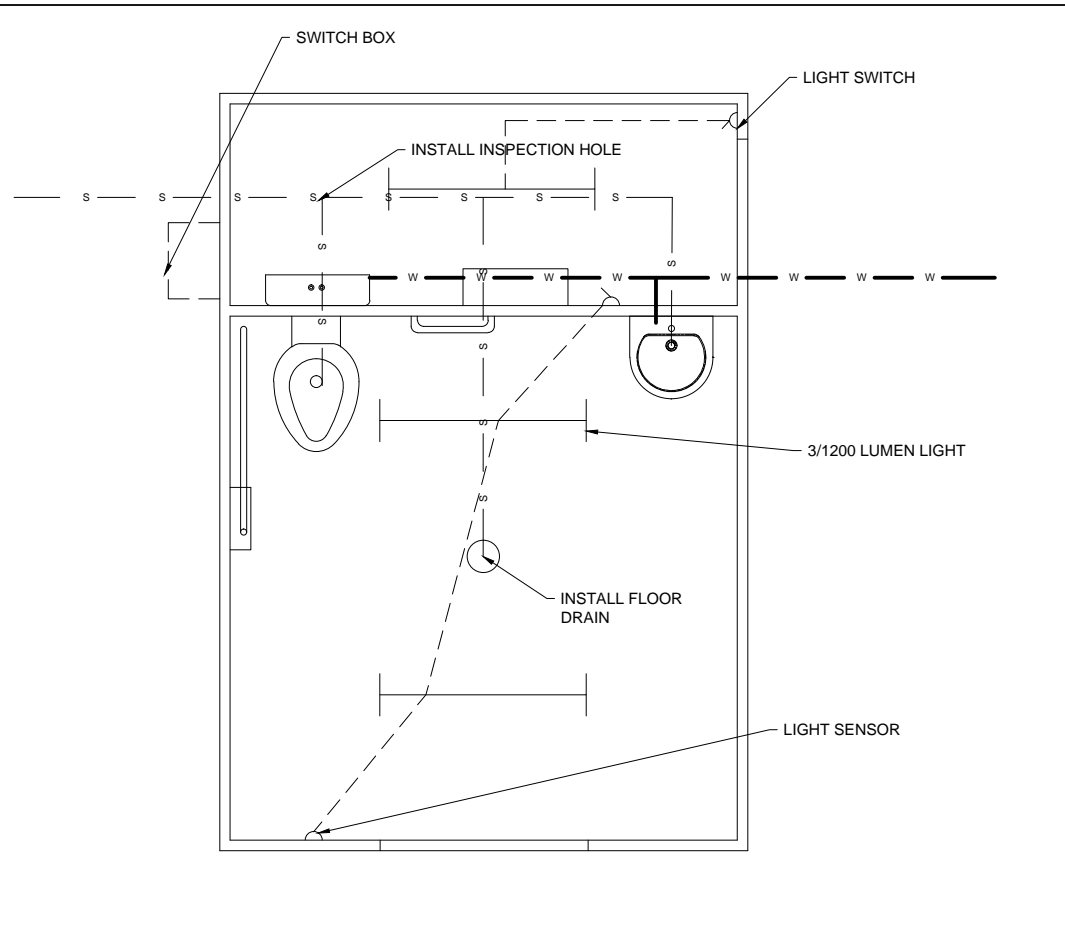
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Project	GEORGE TOWN COUNCIL CEMETERY TOILET
Title	DISABILITY TOILET, RAIL AND BASIN ARRANGEMENT
Original Size	A3
Drawing No:	W917 S05
Rev:	0



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	Approved		Date	
	Scale		Original Size	A3
Drawing No: W917 S06			Rev:	0

NOTES TO CONTRACTOR

- COLORBOND ROOFING SHALL BE TERRAIN IN COLOUR
- COLORBOND EXTERNAL WALL SHALL BE TERRAIN IN COLOUR
- MINI ORB INTERNAL WALL SHALL BE SURFMIST IN COLOUR
- WELDED STEEL SHALL BE PAINTED OVER
- ALL HOLLOW STEEL OPENING SHALL BE COVERED WITH 4mm PLATE
- DOORS SHALL BE TIMBER CORED WITH BOTH SIDED CLAD WITH STEEL. SELF CLOSING MECHANISM SHALL BE INSTALLED ON ALL DOORS. MAIN DOOR SHALL BE 1m IN WIDTH AND SECONDARY DOOR IS 820mm
- ALL WALL AND ROOF FLASHING SHALL BE INSTALLED TO MANUFACTURER SPECIFICATIONS
- INSTALL SUITABLE GUTTER AND 50mm DOWNPIPE. ALLOW STORMWATER TO FLOW NATURALLY AWAY FROM THE STRUCTURE
- ALL TOILET AMENITIES SHALL BE STAINLESS STEEL
- CONTRACTOR SHALL SEND IN ELECTRICAL WORK REQUEST FOR AURORA POWER CONNECTION
- CONTRACTOR SHALL INSTALL LOCKING MECHANISM ON ALL DOORS. THE MAIN TOILET DOOR SHALL HAVE LEVELSET DOOR HANDLE THAT IS LOCKABLE ON BOTH SIDES.
- CONTRACTOR SHALL INSTALL A MOTION DETECTOR IN THE TOILET FOR LIGHT ACTIVATION.
- CONTRACTOR SHALL LOCATE WATER MAINS AT THE CEMETERY AND CONNECT IT TO THE TOILET
- CONTRACTOR SHALL INSTALL SEWER PIPE FROM THE TOILET TO BLW SEWER PIT LOCATED AT WILLIAM STREET. THIS WORK INCLUDE BUT NOT LIMITED TO PIPE TRENCHING, INSTSALLATION OF SEWER TANK AND PUMP, PIPE TRENCHING AND LAYING, INSTALL PROPERTY BOUNDARY KIT, CONNECTING PIPE TO THE SIDE OF WILLIAM STREET BRIDGE AND CONNECTING TO SEWER PIT.
- CONTRACTOR SHALL COAT SLAB WITH A NON SLIP COATING

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FOR CONSTRUCTION				DO NOT SCALE	Drawn JL	Designed JL	Project GEORGE TOWN COUNCIL CEMETERY TOILET
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				Approved			Original Size
				Date			A3
				Scale			Drawing No: W917 S07
				GEORGE TOWN COUNCIL 16-20 Anne Street, George Town, Tasmania, 7253			Rev: 0
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