

GENERAL NOTES

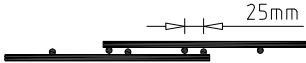
- G1** ALL CONSTRUCTION TO THE BUILDING CODE OF AUSTRALIA VOLUME 1 FOR GENERAL CONDITIONS & VOLUME 2 FOR WORKMANSHIP & MATERIALS
- G2** DURING CONSTRUCTION, THE STRUCTURE SHALL BE MAINTAINED IN A STABLE CONDITION AND NO PART SHALL BE OVERSTRESSED.
- G3** ALL DIMENSIONS ARE IN MILLIMETERS, UNO.
- G4** THE STRUCTURAL WORK SHOWN ON THE DRAWINGS HAS BEEN DESIGNED FOR THE FOLLOWING LOADS IN ACCORDANCE WITH AS1170 2002
- INCIDENTAL LOAD OF 100kg TO EACH GATE.
  - WIND LOAD CLASSIFICATION **N5**, WIND SPEED Vu = 55m/s TO 'AS 1170.2'.
  - SNOW & ICE LOADING TO AS1170.3
- G5** THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDER GROUND SERVICES PRIOR TO EXCAVATION.

CONCRETE NOTES

- C1** ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS3600.
- C2** CONCRETE SHALL BE N32 FOR FOOTINGS TO AS3600:
- MAXIMUM. AGG. SIZE 20mm WITH MINIMUM CEMENT CONTENT 300 kg/m3.  
MAXIMUM WATER/CEMENT RATIO = 0.5
- C3** VIBRATORS SHALL BE USED WHEN PLACING FOOTING CONCRETE.

REINFORCEMENT NOTES


- R1** REINFORCEMENT SHALL BE SUPPLIED, FABRICATED AND PLACED TO AS3600 AND IS GENERALLY DESIGNATED TO AS1100 PART 501.
- R2** REINFORCEMENT SHALL BE GRADE 500N OR 250R AS DESIGNATED TO AS1302. MESH SHALL BE 500L GRADE TO AS1304.
- R3** REINFORCING LAPS SHALL BE 40 BAR DIAMETERS, OR 500mm FOR TRENCH MESH, AND FOR SLAB MESH SHALL BE TWO CROSS BARS PLUS 25mm.



- R4** CLEAR COVER TO REINFORCEMENT SHALL BE 20mm FOR INTERNAL SLABS, 30mm FOR EXTERNAL SLABS AND 50mm FOR FOOTINGS.
- R5** BAR CHAIRS SHALL BE AT 60 BAR DIAMETERS EACH DIRECTION EXCEPT FOR MESH WHERE BAR CHAIRS SHALL BE AT 800c/c EACH DIRECTION. CHAIRS SHALL NOT PUNCTURE POLYTHENE MEMBRANE. TAPE POLYTHENE WITH TESA TAPE AT JOINS.

STEELWORK NOTES

- S1** ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS4100 AND AS1554 EXCEPT WHEN VARIED BY THE SPECIFICATION AND DRAWINGS.
- S2** ALL STEEL SHALL BE IN ACCORDANCE WITH AS3679 GRADE 300 OR AS1163 GRADE C350LO FOR RECTANGULAR AND SQUARE HOLLOW SECTIONS OR GRADE 300LO FOR CIRCULAR HOLLOW SECTIONS TO 165 O.D. AND GRADE C350LO ABOVE 165 O.D. COLD FORMED LIGHT GAUGE PURLIN AND GIRT SECTIONS SHALL BE GRADE 450 ZINC COATED Z200 TO AS1397.
- S3** WELD TYPE ABBREVIATIONS:-  
CFW = COMPLETE FILLET WELD  
FPBW= FULL PENETRATION BUTT WELD
- S4** WELDING SHALL BE 6mm CFW UNO AND SHALL COMPLY WITH AS1554.
- S5** ELECTRODES SHALL BE E41XX OR E48XX.
- S6** BUTT WELDS ARE TO BE COMPLETE PENETRATION BUTT WELDS AS DEFINED IN AS1554. E48XX ELECTRODES SHALL BE USED.
- S7** BOLTS SHALL BE M16 GRADE 8.8TB TO AS1252 UNO.
- S8** BOLT HOLES SHALL BE BOLT DIAMETER +2mm FOR STEEL TO STEEL CONNECTIONS, +4mm FOR STEEL TO CONCRETE CONNECTIONS. HOLES BEING +3mm SHALL HAVE MIN 4mm THICK LARGE WASHER UNDER NUTS.
- S9** ALL PLATES AND STIFFENERS SHALL BE 16mm THICK UNO.
- S10** CORROSION PROTECTION FOR STEELWORK SHALL BE HOT DIP GALVANIZED TO AS2312.
- S11** ALL EPOXY SHALL BE EPIREZ 133, RAMSETT C20 INJECTION OR HILTI HIT INSTALLED TO MANUFACTURERS SPECIFICATIONS.



Planning,  
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Environment

*Issued under the Environmental Planning and Assessment Act 1979*

Approved Application No    DA 10115

Granted on the    9 September 2021

Signed    MB

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CIVIL & STRUCTURAL ENGINEER

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STEEL FABRICATOR

**RODNEY'S**  
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PROJECT

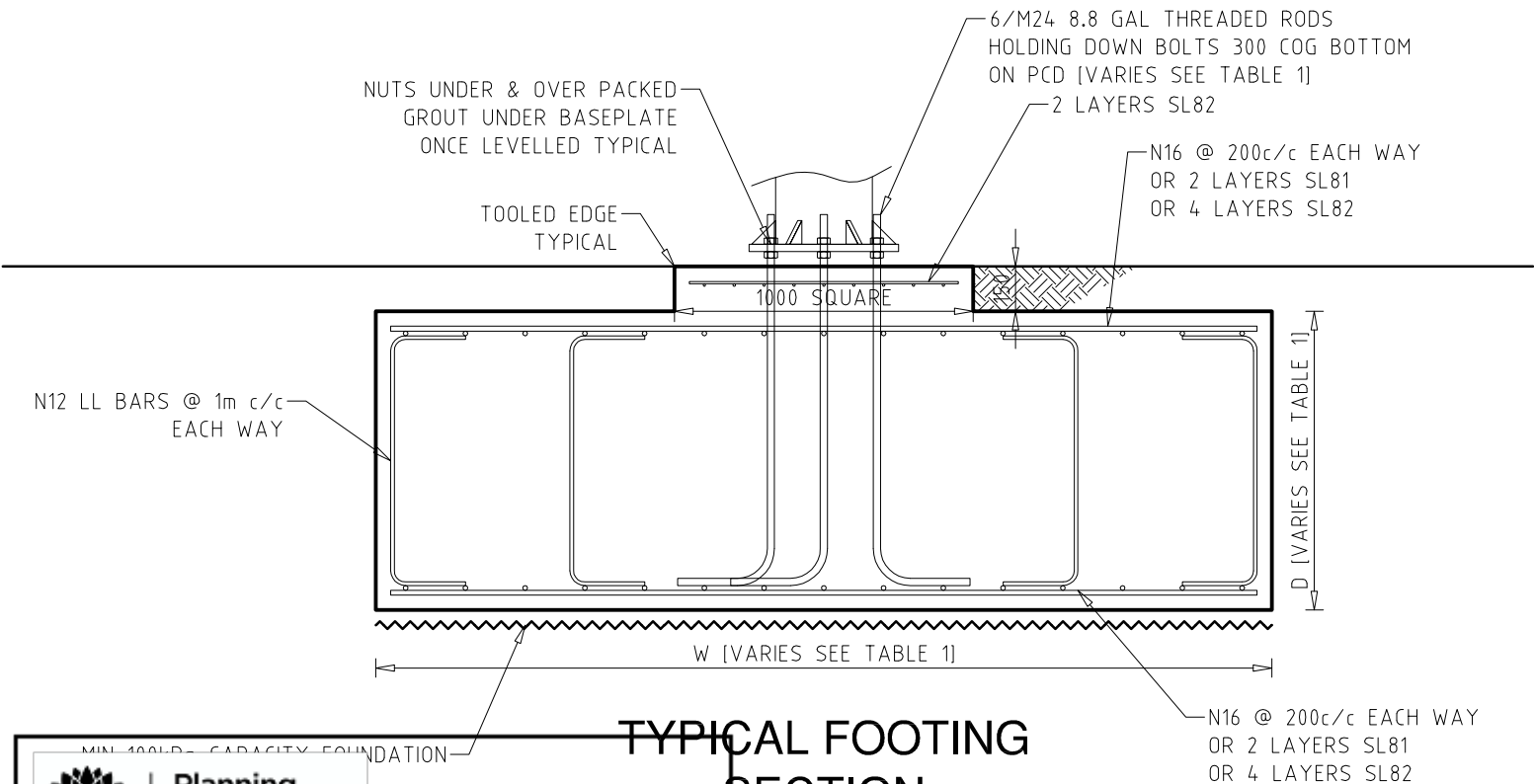
**RFID GATES**  
VARIOUS LOCATIONS  
PERISHER VALLEY NSW

TITLE

**STRUCTURAL NOTES**

DESIGNED	DRAWN	DATE	DRAWING No.
LC	LC	11/05/2011	<b>S1000</b>

TABLE 1			
PAD FOOTING SIZE FOR:	DEPTH D [MIN]	WIDTH W x W [MIN]	ANCHOR PCD SEE DETAILS ON S1002 & S1005
SMALL FRAME	750	3000	360
MEDIUM FRAME	1000	3000	410
LARGE FRAME	1000	3500	500



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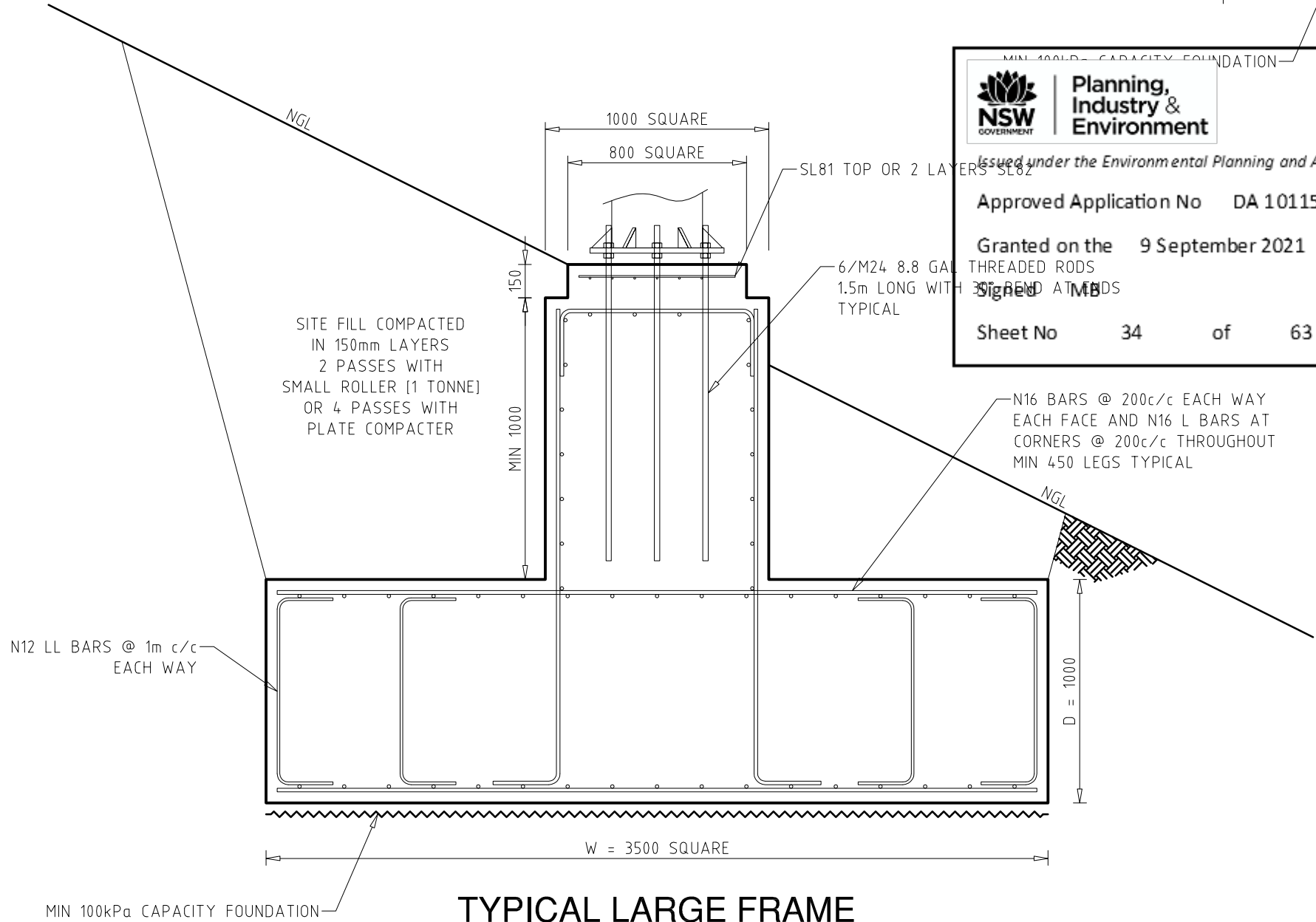
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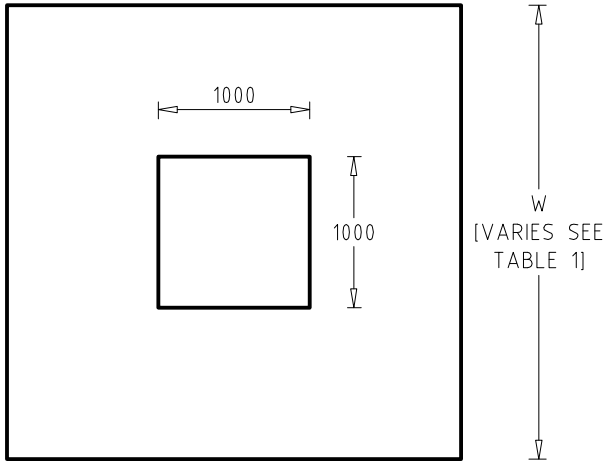
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TYPICAL FOOTING  
SECTION  
1:25 @ A3



TYPICAL LARGE FRAME  
FOOTING DETAIL  
1:25 @ A3



TYPICAL FOOTING PLAN  
1:25 @ A3

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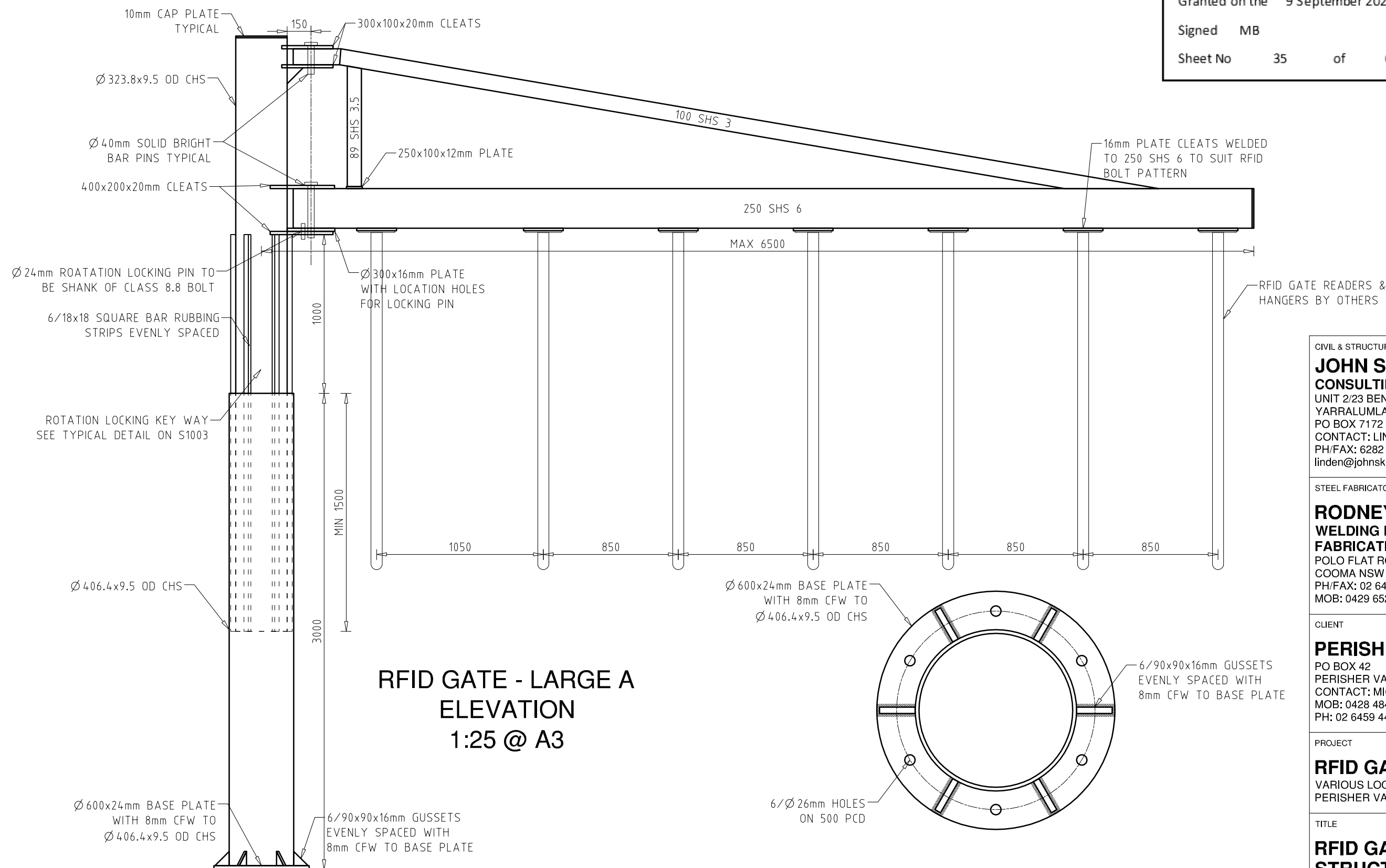
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VARIOUS LOCATIONS  
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TITLE

**FOOTING DETAILS**

DESIGNED DRAWN DATE DRAWING No.

LC LC 11/05/2011 **S1001**



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**RFID GATES**

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TITLE

**RFID GATE - LARGE A  
STRUCTURAL DETAILS**

DESIGNED DRAWN DATE DRAWING No.

LC LC 11/05/2011 **S1004**