

# Launceston City Council Aquatic Centre High Street Launceston

## SHEET INDEX

S00 Notes  
S01 Footing plan and section

### GENERAL

- G1 THE BUILDER SHALL BE RESPONSIBLE FOR MAINTAINING STABILITY OF THE STRUCTURE UNTIL COMPLETION OF CONSTRUCTION AND SHALL ENSURE THAT NO PART OF THE STRUCTURE IS OVER STRESSED BY EXCESSIVE CONSTRUCTION LOADING
- G2 STRUCTURAL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL ARCHITECTURAL AND OTHER CONSULTANTS DRAWINGS AND SPECIFICATIONS
- G3 ALL MATERIALS, CONSTRUCTION, AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE FOLLOWING CODES AS APPLICABLE EXCEPT WHERE VARIED BY THE SPECIFICATION AND / OR DRAWINGS  
AS 2870 RESIDENTIAL SLABS AND FOOTINGS  
AS 3600 CONCRETE STRUCTURES  
AS 3700 MASONRY STRUCTURES  
NATIONAL CONSTRUCTION CODE
- G4 DIMENSIONS NOT TO BE SCALED
- G5 SET OUT DIMENSIONS ARE TO BE VERIFIED WITH SUPERINTENDENT
- G6 ALL PROPRIETARY COMPONENTS TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS
- G7 FLAMMABLE CLADDING SHALL NOT BE USED. INFORM THE ENGINEER AND PROPOSE ALTERNATE WHERE FLAMMABLE CLADDING IS SPECIFIED IN THIS OR OTHER PROJECT DOCUMENTS. FLAMMABLE CLADDING SHALL NOT BE USED BY SUBSTITUTION OF SPECIFIED MATERIAL
- G8 DRAWINGS ISSUED FOR BUILDING APPROVAL ARE INDICATIVE. SUPERINTENDENT SHALL REQUEST CLARIFICATION FROM THE ENGINEER REGARDING CONSTRUCTION PHASE MATTERS. IF IN DOUBT ASK
- G9 DESIGN ENGINEER TO INSPECT FOOTINGS AND REINFORCEMENT PRIOR TO CONCRETE PLACEMENT

### FOUNDATIONS

- F2 FOUNDATION EXCAVATIONS TO BE MAINTAINED IN A FIRM DRY CONDITION
- F3 REMOVE ANY SOFT GROUND AND FILL WITH MASS CONCRETE
- F4 EXCAVATION SHALL NOT BE PERFORMED BELOW THE LINE OF INFLUENCE EXTENDING FROM THE EXISTING FOOTING OR AS SPECIFIED IN GEOTECHNICAL REPORT  
LINE OF INFLUENCE  
ROCK 2 VERTICAL TO 1 HORIZONTAL  
OTHER 1 VERTICAL TO 2 HORIZONTAL
- F6 ALL FOOTINGS SHALL BE COMPACTED IN ACCORDANCE WITH GEOTECHNICAL REPORT RECOMMENDATIONS AND FOUNDED ON NATURAL UNDISTURBED MATERIAL WITH MINIMUM ALLOWABLE BEARING CAPACITY OR AS NOTE ON DRAWINGS  
STRIP FOOTING 150 kPa  
BORED PIER 200 kPa
- F7 ASSESSMENT OF ALLOWABLE BEARING CAPACITY SHALL INCLUDE DETERMINATION OF SHORT AND LONG TERM SETTLEMENT RESPONSE TO APPLIED LOADS
- F8 STRUCTURAL FILL TO BE NON REACTIVE WITH MINIMUM C.B.R. 18% PLACED IN 200 THICK LOOSE LAYERS AND COMPACTED TO 98% MDD
- F10 WHERE ADEQUATE FOUNDING MATERIAL IS NOT ACHIEVED PROVIDE BORED CONCRETE PIERS NOMINAL 450 DIA 2500 MAXIMUM CENTRES CONFIRM LOCATION AND SIZE WITH ENGINEER
- F11 GEOTECHNICAL ENGINEER TO INSPECT FOUNDING MATERIAL PRIOR TO CONCRETE PLACEMENT

### MASONRY ANCHORS

- MA1 ANCHORS SHALL BE INSTALLED TO ACHIEVE CAPACITIES SPECIFIED IN THE MANUFACTURERS PRINTED INSTRUCTIONS
- MA2 CHEMICAL ANCHORS FIXED IN CONCRETE SHALL BE  
HILTI HIT RE 500 AND HAS-E STUD OR  
RAMSET CHEMSET INJECTION 800 SERIES AND RAMSET CHEMSET STUD
- MA3 CHEMICAL ANCHORS FIXED IN MASONRY SHALL BE  
HILTI HIT HY 170 AND HAS-E STUD OR  
RAMSET CHEMSET INJECTION 101 AND RAMSET CHEMSETSTUD
- MA4 MECHANICAL ANCHORS SHALL BE  
HILTI HSL-3 OR  
RAMSET TRUBOLTS
- MA5 ALL METAL PARTS SHALL BE GALVANISED – 5 MICRONS MINIMUM FOR INTERNAL ANCHORS, 60 MICRONS MINIMUM FOR EXTERNAL ANCHORS

### CONCRETE

- C1 CONCRETE SPECIFICATION  
SLUMP 80 mm  
MAXIMUM AGGREGATE 20 mm  
CEMENT TYPE 'A' PORTLAND  
PROJECT CONTROL TESTING SHALL BE IN ACCORDANCE WITH AS 3600 AND THE SPECIFICATION TEST REPORTS SHALL BE SUBMITTED TO THE PRINCIPAL FOR APPROVAL
- C2 CONCRETE MINIMUM STRENGTH SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE  
CONCRETE ON GROUND N25  
BORED PIERS N25
- C3 PROVIDE 200 µm DAMP PROOFING MEMBRANE IN ACCORDANCE WITH AS 2870 FOR ALL CONCRETE IN CONTACT WITH GROUND AND WITH INTERNAL SURFACES COVER
- C4 CONCRETE CAST AGAINST GROUND 50 mm
- C5 CURE ALL CONCRETE SURFACES IN ACCORDANCE WITH AS 3600 CURING OF ALL CONCRETE SHALL BE ACHIEVED BY KEEPING SURFACES CONTINUOUSLY WET FOR A PERIOD OF 3 DAYS AND PREVENTION OF LOSS OF MOISTURE FOR A TOTAL OF 7 DAYS FOLLOWED BY GRADUAL DRYING OUT
- C7 ALL HOOKS AND BENDS TO BE IN ACCORDANCE WITH AS 3600 LAPS TO BE  
GENERAL TOP BARS DEPTH > 300 mm
- |     |      |      |
|-----|------|------|
| N12 | 400  | 500  |
| N16 | 600  | 800  |
| N20 | 900  | 1100 |
| N24 | 1200 | 1400 |
| N28 | 1400 | 1700 |
| N32 | 1600 | 2000 |
- MESH LAP TO BE 2 BAR TRANSVERSE SPACING

- C8 PROVIDE PLASTIC OR PLASTIC TIPPED BAR CHAIRS AT NOT LESS THAN 1000 mm CENTRES EACH WAY
- C9 CONSTRUCTION JOINTS WHERE NOT SHOWN ON DRAWINGS SHALL BE LOCATED TO THE APPROVAL OF THE ENGINEER AND PRINCIPAL
- C11 BASIC DRYING SHRINKAGE STRAIN MEASURED IN ACCORDANCE WITH AS 1012 PART 13 SHALL NOT EXCEED 800 µm
- C12 REFER SUPERINTENDENT FOR FALLS, STEPS, CHAMFERS, DRIP GROVES, REGLETS, ETC. MAINTAIN COVER TO REINFORCEMENT AT THESE DETAILS
- C13 CONDUITS, PIPES, ETC SHALL ONLY BE LOCATED IN THE MIDDLE ONT THIRD OF SLAB DEPTH AND SPACED AT NOT LESS THAT 3 DIAMETERS
- C14 REINFORCEMENT SYMBOLS DENOTE  
N GRADE 500 DEFORMED REINFORCING BAR TO AS 4671  
R GRADE 250 ROUND BAR TO AS 4671  
2 N20 – 250  
2 NUMBER OF BARS  
N BAR GRADE AND TYPE  
20 NOMINAL BAR SIZE IN mm  
250PLACEMENT CENTRES IN mm  
SL82  
SL REINFORCEMENT FABRIC GRADE AND CONFIGURATION  
8 NOMINAL WIRE SIZE IN mm  
2 WIRE CENTRES x 100 mm
- C15 REINFORCEMENT LENGTHS TO BE DETERMINED FROM SITE MEASUREMENT AND NOMINATED DIMENSIONS
- C16 ALL CONCRETE TO BE VIBRATED DURING PLACEMENT
- C17 ALL REINFORCEMENT TO BE SECURELY TIED PRIOR TO PLACEMENT OF CONCRETE

### MASONRY

- M1 MASONRY SPECIFICATION
- |                | STRENGTH<br>MIN F'uc | MORTAR<br>(CEMENT:<br>LIME:SAND) | CLASS |
|----------------|----------------------|----------------------------------|-------|
| CONCRETE BLOCK |                      |                                  |       |
| GENERAL        | 15                   | 1 : 1 : 6                        | M3    |
| RETAINING WALL | 15                   | 2 : 1 : 9                        | M4    |
- M7 STARTER BARS SHALL BE SECURELY TIED PRIOR TO POURING WALL FOOTINGS
- M8 REINFORCED CONCRETE BLOCK WALLS  
CONCRETE STRENGTH f'c 20 MPa  
MAXIMUM SLUMP 230 mm  
MAXIMUM AGGREGATE SIZE 10 mm  
MAXIMUM LIFT HEIGHT 240 mm  
A CLEAN OUT BLOCK IS TO BE USED AT ALL CONCRETE FILLED CORES  
CLEAN OUT EXCESS MORTAR IN CORES WHICH ARE TO BE FILLED  
GROUT TO BE COMPACTED TO COMPLETELY FILL CORES
- M9 NO BACK FILLING TO BE PLACED BEHIND RETAINING WALLS UNTIL 14 DAYS AFTER FILLING OF CORES
- M11 PROVIDE VERTICAL CONTROL JOINTS NOT GREATER THAN 8 m CENTRES AND MAXIMUM 4 m FROM CORNERS. TIE ACROSS JOINTS WITH MASONRY FLEXIBLE MEDIUM DUTY ANCHORS AT 350 mm CENTRES. LOCATIONS OF JOINTS TO BE CO-ORDINATED WITH ARCHITECTS
- M12 BEFORE VARYING CONSTRUCTION SEQUENCE FOR BLOCK RETAINING WALLS, CONTRACTOR IS TO SUBMIT PROPOSAL TO ENGINEER

CTIONERS

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A 2020-05-25 Comment

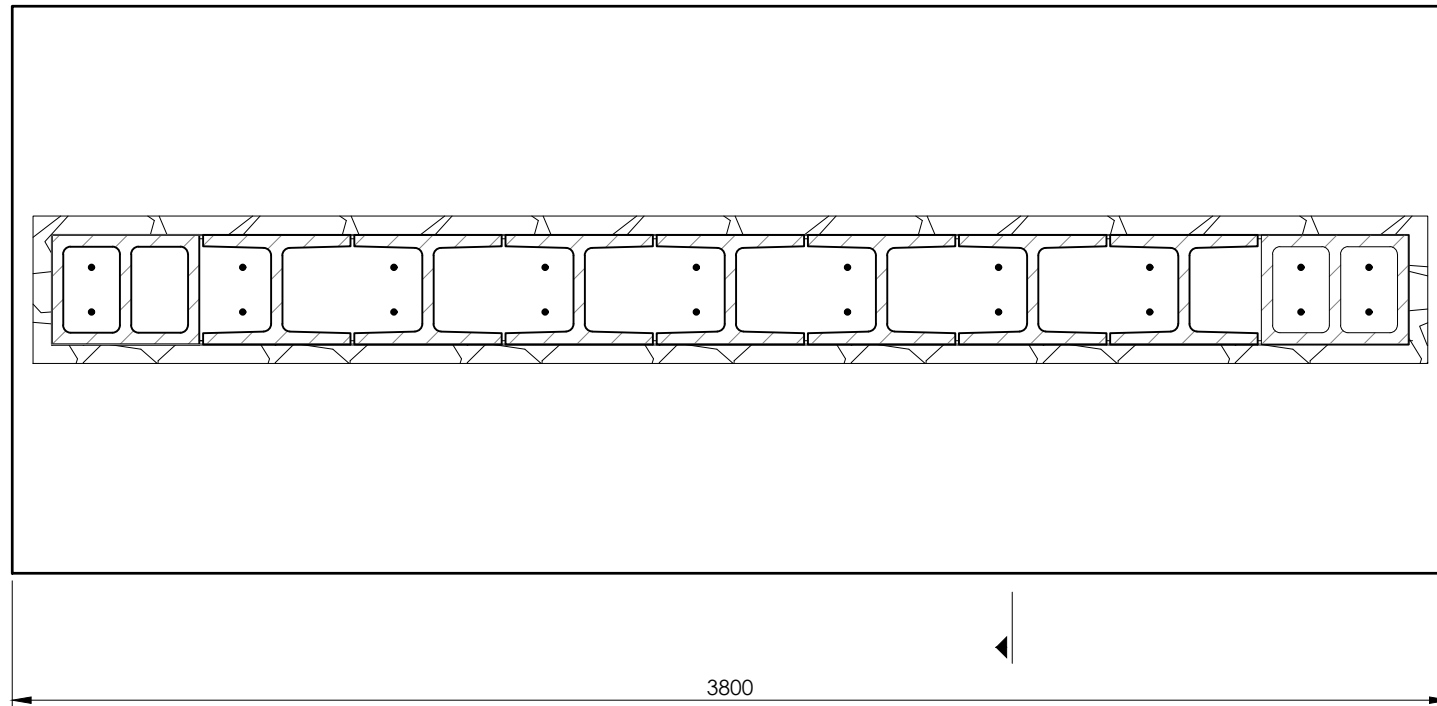
NOT FOR  
CONSTRUCTION

Sheet A3 1:100 1:20 Project No 2002A

Drawing No S01

Rev A To be read in conjunction with all other project documentation  
0459 150 012 engine@brierley.id.au





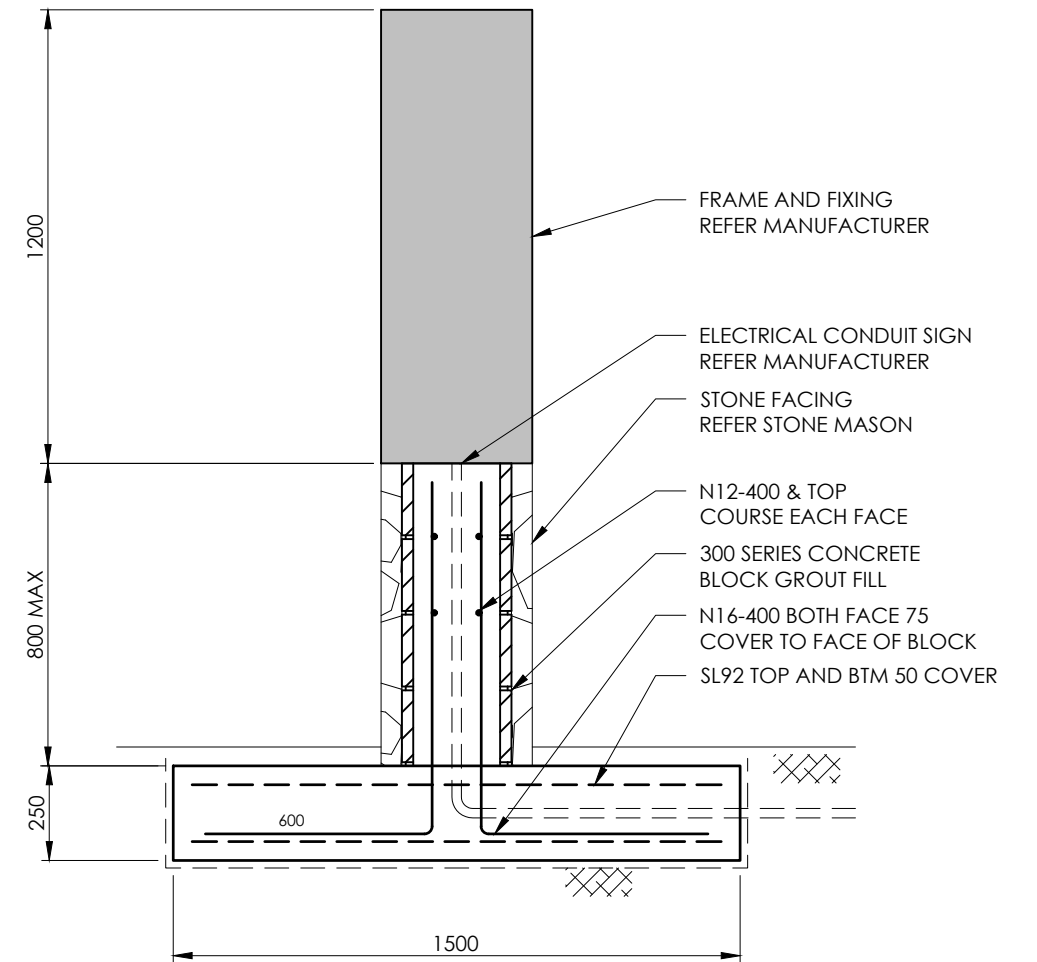
**FOOTING PLAN**

SCALE 1:20

**NOTES**

REFER SUPERINTENDENT FOR

- BOUNDARY OFFSETS
- IN-GROUND SERVICES



**SECTION TYP**

SCALE 1:20

**NOTES**

FOUND ON NATURAL UNDISTURBED MATERIAL WITH 150 kPa ALLOWABLE BEARING CAPACITY REFER AS2870 AS REQUIRED

**NOT FOR CONSTRUCTION**

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Sheet A3 1:100 1:20 Project No 2002A

Drawing No S02

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