

**ALTERATIONS TO MURRAY FARM SCOUT HALL  
11 HAINES AVENUE. CARLINGFORD. NSW 2118  
STRUCTURAL ENGINEERING SERVICES  
GENERAL NOTES & DRAWING INDEX**

## GENERAL

- [illegible]

LOADING:

- L1 The structural elements shown on these drawings have been designed for the superimposed loads generally in accordance with AS1170 as follows: CORRIDORS, STAIRS & LANDINGS = 4.0kPa  
WITH 4.5kPa POINT LOAD

## TIMBER

- |    |   |
|----|---|
| 11 | All workmanship and materials to be in accordance with AS                 |
| 12 | ASTM664 and ASTM720   |
| 13 | All timber to be minimum Stress Grade F7, seasoned U.N.O.                 |
| 14 | No timber beams or joists to be notched unless specified by the Engineer. |
| 15 | Provide double joists around openings and under walls above               |
| 16 | U.N.O. Provide double studs under lintels.                                |
| 17 | Trusses shall be precompressed span /200 at midspan.                      |

## FOUNDATIONS:

- F1 Folding design has been carried out in accordance with the findings of the GEOTECHNICAL ENGINEERS SITE CLASSIFICATION REPORT document reference AM 69317 REF A dated 10-05-2022 and the GEOTECHNICAL ENGINEERS SITE REPORT document reference AM 69317 REF B dated 05-10-2022. Documents produced by A.W. GEOTECHNICAL ENGINEERS PTY. LTD.
- F2 Ship berthing has been specially designed for 100 tonne and bearing pressure of 150 kPa on NATURAL GROUND ROCK.
- F3 Foundation material shall be approved by the Geotechnical Engineer prior to placing concrete & reinforcement in piers & footings.
- F4 Notify the Structural Engineer prior of inspection of piers, footings & reinforcement after completion of the Geotechnical Engineers inspection.
- F5 All concrete shall be placed in the dry.
- F6 The site shall be graded or drained so that water cannot pond against or near the building, or where pond pooling is required where it may affect the building, the drainage system shall be designed to meet the requirements shall be maintained for the economic life of the building.
- Exposure Classification A2.
- REV D

### TEMPORARY WORKS

- TW1** The building shall safely transfer the loads in carrying out the supported procedures, the building shall be able to resist the loads from the building and the building shall be able to resist the loads from the building and the building shall be able to resist the loads from the building.
- TW2** The building shall be able to resist the loads from the building and the building shall be able to resist the loads from the building and the building shall be able to resist the loads from the building.
- TW3** The building shall be able to resist the loads from the building and the building shall be able to resist the loads from the building and the building shall be able to resist the loads from the building.

CONCRETE:

- C1 All workmanship and materials shall be in accordance with current editions of AS 3600 except as varied by contract documents.
- C2 Cement to be type 'A' U.N.O. Concrete components and quality shall be as follows:—

Elements	f <sub>c</sub> MPa	Max Size Agg.	Density (kg/m <sup>3</sup> )
FOOTING PIERS, PADS, BEAMS, LEVELING STRIPS & SLABS	32	20	2400

SLUMP IN GENERAL SHALL BE 80mm

- C3 Clear cover to reinforcement including ties and stirrups shall be as shown on table below , except where noted otherwise on drawings and details.  
Note cover to reinforcement shall be obtained by the use of approved bar chairs  
All chairs shall be spaced at 1000 CTS maximum

CONCRETE ELEMENT	EXPOSURE CLASSIFICATION	MIN REQUIRED COVER WHERE STANDARD FORMWORK AND COMPACTION ARE USED
ALL CONCRETE	A2	50

### STRUCTURAL STEEL:

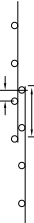
- 51 All workmanship and materials to be in accordance with AS 4100, AS 1594, and for tubular members, AS 1163 and the ACSE specification. Workmanship and erection shall be in accordance with the structural drawings, all relevant Australian Standards and the Provisions of the Australian Steel Institute Structural Steelwork Fabrication and Erection Code of Practice (COP). First edition. Where discrepancies exist, the COP shall take precedence. Such discrepancies shall be highlighted to the Engineer.

FABRICATION CATEGORY: FC1

- CONSTRUCTION MONITORING CATEGORY: GAO, MEDIUM STRUCTURES**
- S2 All structural steel to be F-360+ type U.L.O., in accordance with AISI 1304, tubular members AS 1163, block bolts AS 1111, and high grade 450 Mpa.
- S3 All weld to be from continuous line U.L.O. and welding to be in complete penetration welds as defined in AS/NZS 1554 shall be E4XX or E6XX.
- S4 Except where concrete encased or noted otherwise, all structural steel shall be galvanized.
- S5 Concrete used for concrete encased or noted otherwise, all structural class 1 standard and given area 50 micron dry/clean to primer to AS1676.

- [illegible]

- 516 Edging for steel to steel connections  
+4mm for steel to concrete connections
- 517 Edging for glass panels
- 518 Edging for glass panels
- 519 Edging for glass panels
- 520 All steelwork is to be temporarily but securely braced until all final  
bolting, cladding and stabilising brack, blockwork or wall framing  
is in place.
- 521 Timber to structural steel roof beams, trusses, eaves etc. to be 1  
for every 400 kg of span U.K.C.
- 522 For every 400 kg of span U.K.C. to be compatible with pultruded  
steel joists.
- 523 Under translucent sheeting is to conform with D.L.L. requirements.  
If standard gauge is used then additional pultr. trimmers are to be  
provided to support the translucent sheeting. The translucent sheeting  
on equivalent finish to adjacent steelwork, shall be reinforced to  
prevent cracking.
- ALL DEPOSED STEELWORK TO BE 100% DEPOSED AND RECYCLED AFTER  
FABRICATION IN ACCORDANCE WITH BS528:2002 AS FOLLOWS.
- 1.1. FOR DEPOSED STEELWORK STEEL DESIGNATION : H0550/750M THICKNESS  
(MIN) FABRICATED FROM STEEL TO ARCHITECT'S SPECIFICATION)



**BRICKWORK:**

- BR1 All workmanship and materials shall be in accordance AS 3700 and other relevant codes.
- BR2 Bricks used in load bearing construction shall be min.  $f_{uc} = 22 \text{ MPa}$  U.N.O.

- BR3 The design strength of masonry shall be as follows U.N.O:

- BR3 The design strength of masonry shall be as follows U.N.O:

Exposure Classification for AS5080	Masonry Compressive strength (N/m <sup>2</sup> )	Mortar mix	
		Masonry self-resistance grade	Durability classification of components
A1/A2	>6.3	General purpose R3 (dynamised)	OP Portland Cement/Lime Sand F <sub>ck</sub> M <sub>20</sub> 1.0:1.0:6.0 2.8
B1	>6.3	General purpose R3 (dynamised)	1.0:1.0:6.0 2.8
B2	>6.7	Exposure R4 (Stainless)	1.0:0.5:4.5 2.8

- B64 Was shown on structural drawings for load bearing walls.
- B65 Note that the slabs are to be cast in two lifts, with the slabs by 20mm thick dense polyethylene strip.
- B66 Provide a slifting surface consisting of 2 layers of 1.0 mm bearing monoslay with a 10mm gap between the two, run over sheets with graphite grease between to top of all load bearing monoslay walls in contact with suspended slabs. Prior to application of slifting surface, the concrete or monoslay shall be level and smooth. Protect top of slift joint with polythene sheeting or similar approved.
- B67 12mm polyisoprene bead breaker between vertical face of monoslay walls and concrete.
- B68 All masonry walls supporting or supported by concrete floors shall be provided with vertical joints to match any concrete joints in the floor.
- B69 The concrete shall be cast in accordance with BS 5463 (Concrete Design) and Concrete Association of Australia. Vertical control joints and exceed 5 metres maximum between concrete and extend maximum from corner in monoslay walls, and between new and existing brickwork.
- B70 Unless other stipulation is specified, build in durability grade B3.3.
- B71 Brickwork over openings, one of each leaf of wall, conforming to and B3.3.

NO UNDERGROUND INVESTIGATION HAS BEEN MADE.



**RESPONSIBLE BY THE ASSET OWNER  
SHOULD THEY DAMAGE UNDERGROUND NETWORKS.  
MINIMISE YOUR RISK AND DIAL BEFORE YOU DIG.**

DWG. NO.	DRAWING DESCRIPTION
S00	GENERAL NOTES AND DRAWING INDEX
S01	CONCRETE WORKS – PLANS & DETAILS
S02	STRUCTURAL STEELWORK FRAMING PLANS, ELEVATIONS & DETAILS .
S03	STRUCTURAL STEELWORK DETAILS

NOTE N1.

This drawing shall be read in conjunction with all other MAACON working drawings S00 S01 S02 S03 and specifications and with such other written instructions as may be issued during the course of the construction. All discrepancies and variations shall be referred to the Engineer before proceeding.

TENDER ISSUE  
NOT FOR CONSTRUCTION

PERSON	DESCRIPTION	DATE	APPROVED
D	NOTES MOORED AFTER GEOTECH REPORT INPUT, TENDER ISSUE	17 03 2022	
C	CONCRETE PUMP BOMMER NOTES ADDED, ISSUED FOR INFORMATION	07 03 2022	
B	CONCRETE PUMP BOMMER NOTES ADDED, ISSUED FOR INFORMATION	04 02 2022	
A	ISSUED FOR TENDER	03 06 2021	
D	ISSUED FOR INITIAL PRELIMINARY INFORMATION	27 05 2021	

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APPROVED		DRAWN	MC
DRG. CHKED		DESIGN	PH
DES. CHKED		DATE	MAY 2021
MICHAEL JAROSZEWICZ FICE FIE(Aust) CPENG NIPER APEC Building Practitioner (Victoria) REPO			
SCALE AS SHOWN			

DRAWING TITLE  
GENERAL NOTES & DRAWING INDEX

PROJECT TITLE  
MURRAY FARM SCOUT HALL  
11 HAINES AVE. CARLINGFORD NSW 2118

CLIENT	CITY OF PARRAMATTA
ARCHITECT	NIMBUS ARCHITECTURE and HERITAGE



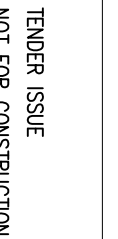
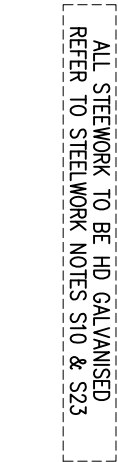


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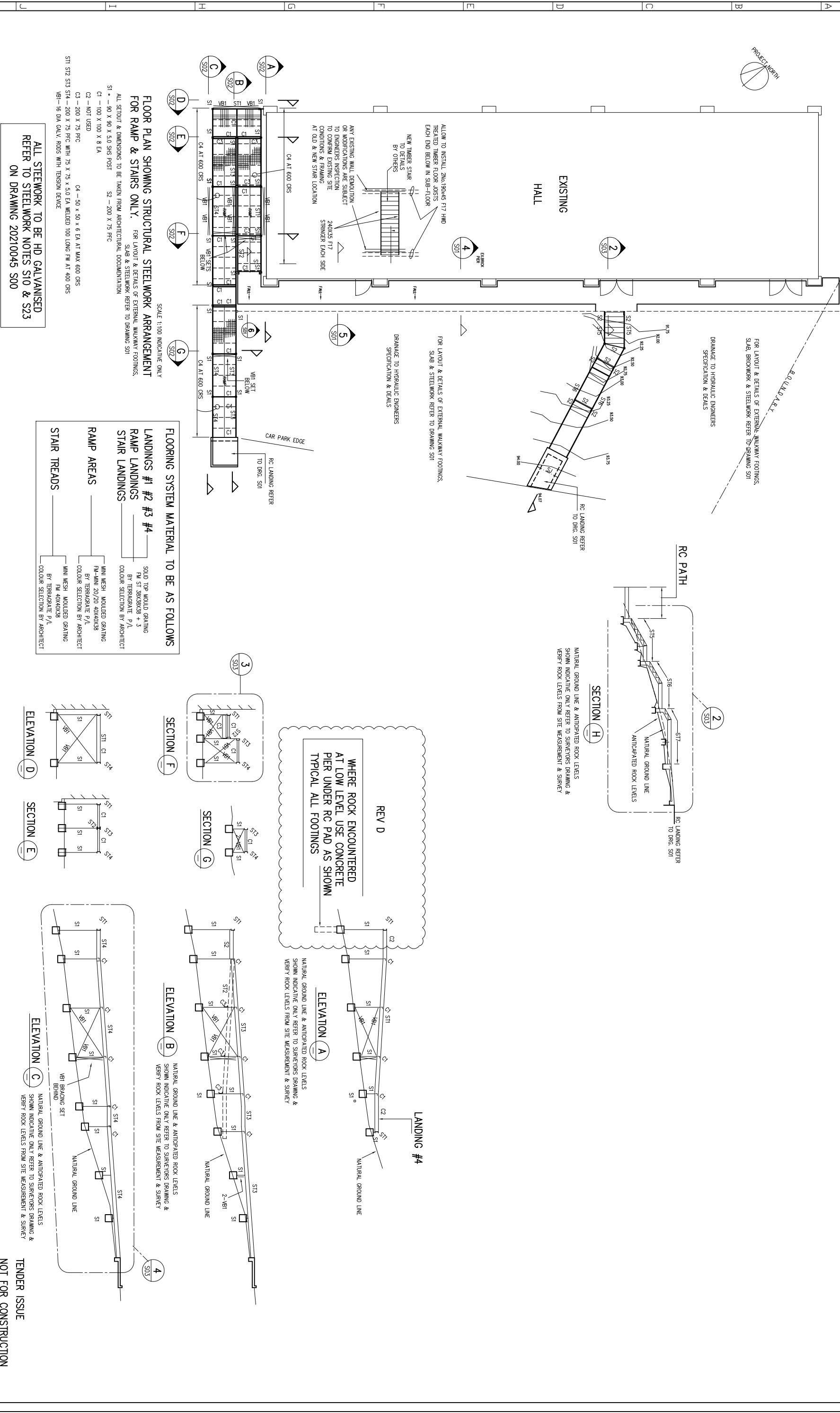
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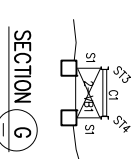
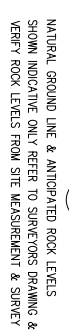
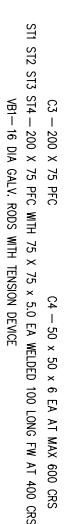
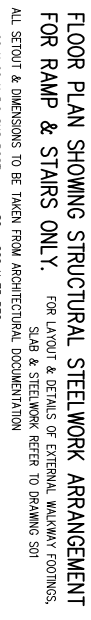
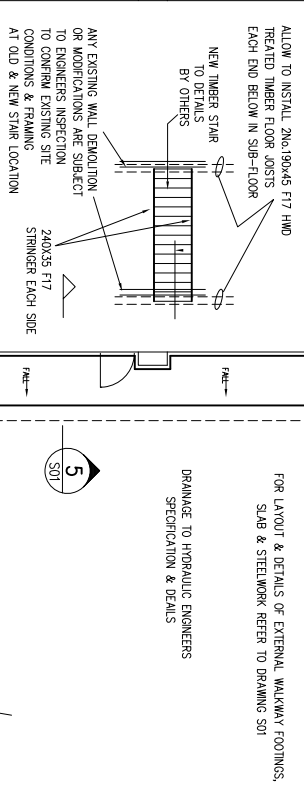
DRAWING STATUS	TENDER ISSUE
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DRAWING No.	REVISION
20210045 S00 D	



REMISSION	01 D
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This drawing shall be read in conjunction with all other MAJCON working drawings S00 S01 S02 S03 and specifications and with such other drawings and specifications as may be referred to in this drawing.  
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