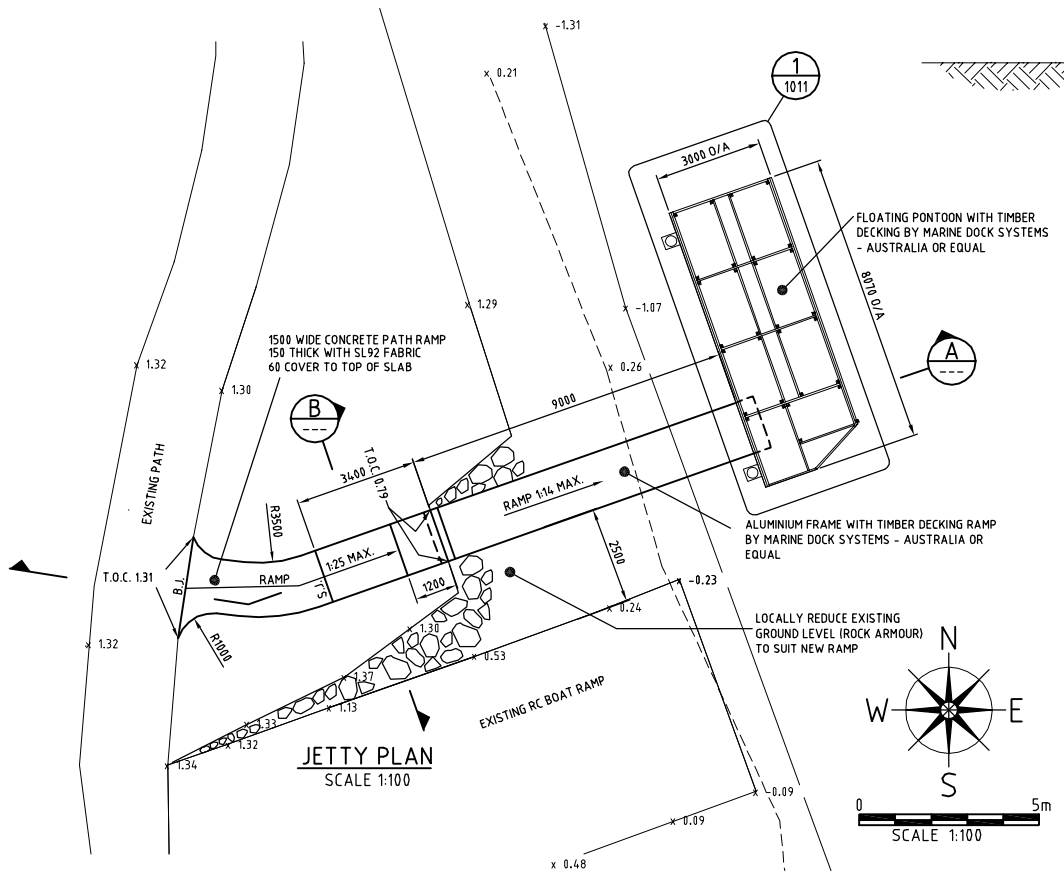
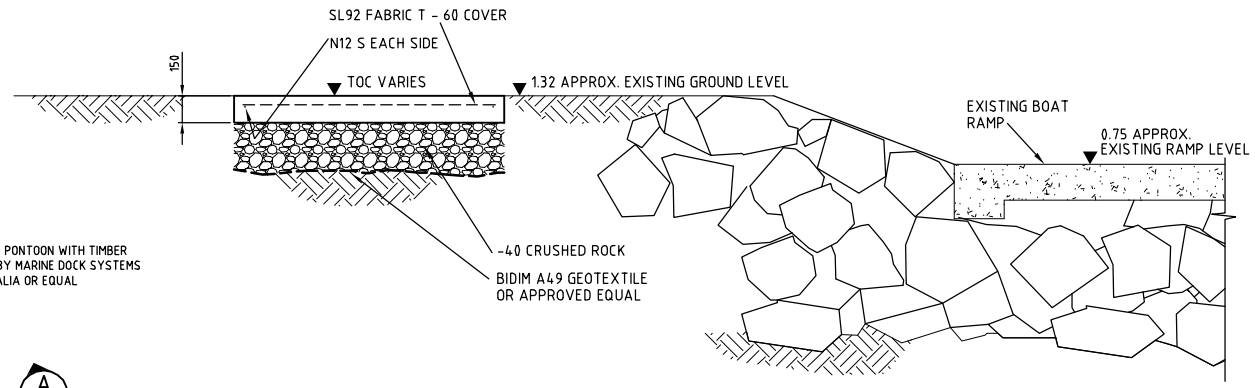
DO NOT SCALE IF IN DOUBT ASK

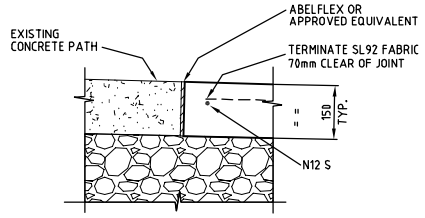


JETTY PLAN
SCALE 1:100

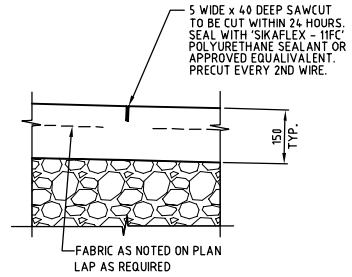
SCALE 1:100



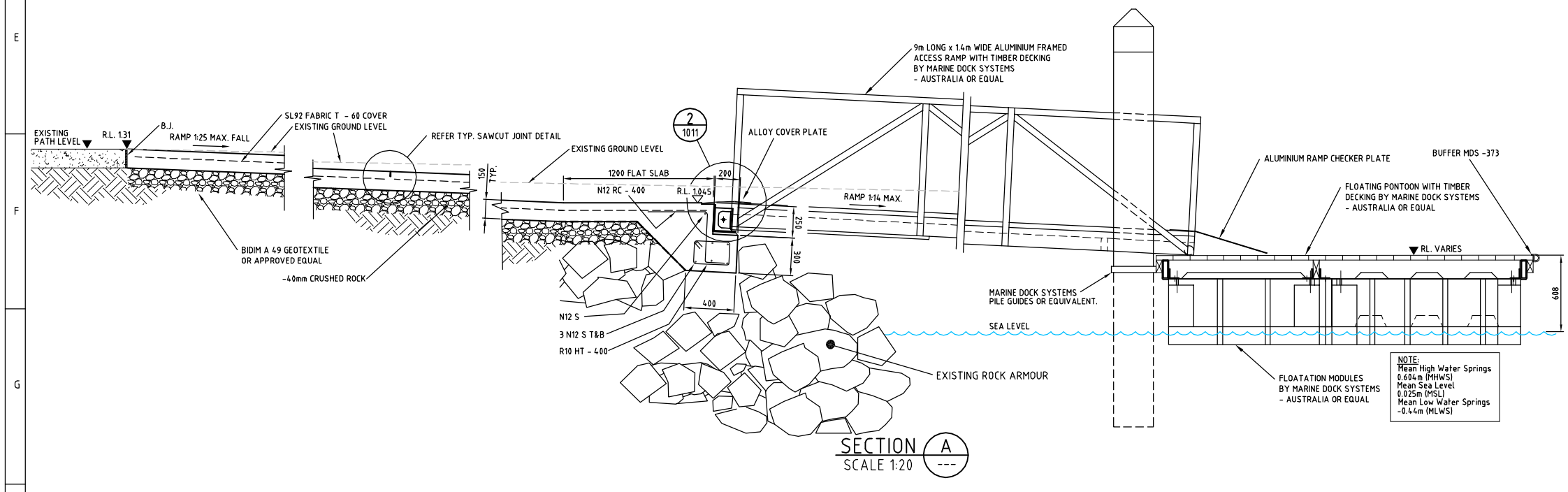
SECTION B
SCALE 1:20



BUTT JOINT (BJ)
SCALE 1:10



SAWCUT JOINT (SJ)
SCALE 1:10



SECTION A
SCALE 1:20

LOADING

L1. STRUCTURAL WORK SHOWN ON THESE DRAWINGS HAS BEEN DESIGNED ASSUMING A DESIGN LOADING OF 2.5KPa LIVE LOAD

CONCRETE

C1. EXECUTE ALL CONCRETE WORK IN ACCORDANCE WITH A.S. 3600 AND THE STANDARDS REFERENCED THEREIN UNLESS OTHERWISE VARIED BY THE CONTRACT DOCUMENTS.

C2. FORMWORK SHALL BE DESIGNED AND ERECTED IN ACCORDANCE WITH THE REQUIREMENTS AND RECOMMENDATIONS OF A.S. 3600 AND A.S. 3610. THE RESPONSIBILITY FOR THE ADEQUACY OF FORMWORK SHALL REST ENTIRELY WITH THE BUILDER.

C3. REINFORCEMENT SHALL BE :
GRADE 500N IN ACCORDANCE WITH AS/NZS 4671.
GRADE 500 WELDED FABRIC IN ACCORDANCE WITH AS/NZS 4671.
HOT DIP GALVANISED

C4. ALL REINFORCEMENT SHALL BE SUPPORTED AND WIRED TOGETHER TO PREVENT DISPLACEMENT DURING CONSTRUCTION , BEYOND THE TOLERANCES SPECIFIED IN A.S. 3600.

C5. REINFORCEMENT SHALL NOT BE HEATED OR WELDED ON SITE WITHOUT THE PROJECT ENGINEERS PRIOR APPROVAL.

C6. MINIMUM CONCRETE COVER TO REINFORCEMENT SHALL BE:
60mm TOP, 60mm SIDE & BOTTOM

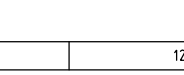
C7. DO NOT EMBED ITEMS WITHIN THE REINFORCEMENT COVER, CAST IN ITEMS OR CHASES UNLESS SHOWN ON THE STRUCTURAL DRAWINGS OR APPROVED BY THE PROJECT ENGINEER.

C8. REINFORCEMENT NOTATION. (CIA STANDARD)
(NO. OFF)(BAR TYPE)(BAR DIA.) - (SHAPE) - (SPACING)(LOCATION)

TYPE/GRADE:	SHAPE CODES
L - GRADE 500F WIRE MESH R - GRADE 230R ROUND BAR. S - GRADE 230S DEFORMED BAR N - GRADE 500 DEFORMED BAR.	S, L, H, V, U, J, RC, LL, CC, NS AS DRAWN; T, HT, SH, XT, SC, CT, RT, LH
LOCATION:	
T - TOP B - BOTTOM H - HORIZONTAL V - VERTICAL EW - EACH WAY EF - EACH FACE NF - NEAR FACE FF - FAR FACE	

C9. REINFORCEMENT SPLICE & COG LENGTHS:
MINIMUM REINFORCEMENT LAPS/SPLICE LENGTHS (L_1) UNLESS NOTED OTHERWISE

	SLABS/BEAMS	COLUMNS/WALLS
N12	500mm	400mm
N16	660mm	500mm
N20	700mm	600mm



MINIMUM REINFORCEMENT COG LENGTHS (L_2) UNLESS NOTED OTHERWISE

N12	300mm
N16	300mm
N20	350mm

C10. DETAILS OF ALL CONCRETE MIXES TO BE PROVIDED FOR ACCEPTANCE PRIOR TO COMMENCEMENT OF CONSTRUCTION. THIS TO INCLUDE DETAILS OF QUANTITY & TYPE OF CEMENT, AGGREGATE & ADMIXTURES.

C11. THE CONTRACTOR SHALL SEEK & OBTAIN ACCEPTANCE OF METHODS FOR PLACING, FINISHING AND CURING CONCRETE INCLUDING THE FOLLOWING:
- READY MIXED CONCRETE SUPPLIER
- HANDLING, PLACING, COMPACTION AND FINISHING METHODS AND EQUIPMENT
- TEMPERATURE CONTROL METHODS
- CURING AND PROTECTION METHODS

C12. READY MIXED CONCRETE SUPPLY SHALL BE IN ACCORDANCE WITH AS 1379 BY THE BATCH PRODUCTION PROCESS.
DO NOT ADD WATER AT SITE WITHOUT THE PRIOR APPROVAL OF THE ENGINEER

C13. CONSOLIDATE ALL CONCRETE WITH HIGH SPEED IMMERSION VIBRATORS. DO NOT USE VIBRATORS TO MOVE CONCRETE ACROSS FORMS.
TENDERERS SHALL ALLOW TO HAVE A STANDBY MEANS OF PLACING CONCRETE IN THE EVENT OF A CONCRETE PUMP BREAKDOWN DURING THE MAIN POUR.

C14. CONSTRUCTION JOINTS SHALL BE LOCATED AS SHOWN ON DRAWINGS.

C15. ALL CONCRETE SHALL BE S50 GRADE MARINE CEMENT - MAX SLUMP = 60mm
(PUMPING PERMITTED IF PLASTICISERS USED - MAX SLUMP = 80mm)
MAX SHRINKAGE STRAIN 750μM @ 56 DAYS

C16. TESTING AND ASSESSMENT OF CONCRETE AND CONCRETE MATERIALS SHALL BE CARRIED OUT BY AN ORGANISATION REGISTERED WITH THE NATIONAL ASSOCIATION OF TESTING AUTHORITIES AUSTRALIA (NATA) TO PREFORM THE SPECIFIED TESTING.

TEST RECORDS: FOR EACH REQUIRED TEST MAINTAIN THE RECORDS AND REPORTS OF TEST RESULTS REQUIRED BY A.S. 1012.

C17. WHERE THE ENGINEERS ARE ENGAGED TO INSPECT REINFORCEMENT AND/OR SUPERVISE A CONCRETE POUR, A MINIMUM OF 24 HOURS NOTICE SHALL BE GIVEN AND ALL PREPARATORY WORK SHALL HAVE BEEN COMPLETED.

REV	DATE	BY	APP.	DETAILS
P1	15.04.09	RES		PRELIMINARY – FOR YOUR APPROVAL

DRAWING STATUS		
DESIGN BY	CSH	09/04/09
DRAWN BY	RES	14/04/09
DRAFTING CHECK	PJS	04/05/09
DESIGN CHECK	CSH	04/05/09
FINAL APPROVAL	CSH	04/05/09

CONSTRUCTION

SCALE: (on A1 Original) 1:100

HEIGHT DATUM AHD

Cardno Forbes Rigby
278 KEIRA STREET, WOLLONGONG, NSW 2500
Ph: (02) 4228 4133 Facsimile: (02) 4228 6811 ACN 003 936 981

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PROJECT TITLE
REDDALL RESERVE
PONTOON JETTY
LAKE ILLAWARRA
for
LAKE ILLAWARRA AUTHORITY

DRAWING TITLE
JETTY ARRANGEMENT
PLAN AND SECTIONS

Project No.	Com No.	Drawing No.	REV
109054	1	1010	0

File Plotted: U:\2009\109-054-01 - CSH - REDDALL RESERVE PONTOON JETTY\DRAWING\BUILD\1010 -PLAN & SECTIONS.DWG
May 04, 2009 1:58:24 p.m.

A1