



OVERALL SITE PLAN NOT TO SCALE

SITE INVESTIGATION

- A COMPLETE INVESTIGATION OF SERVICES HAS NOT BEEN UNDERTAKEN FOR THIS SITE PLAN.
- CONFIRMATION OF CRITICAL POSITIONS SHOULD BE OBTAINED WITH ON SITE DETECTION SERVICES.
- THIS PLAN SHOULD NOT BE USED FOR CRITICAL DESIGN DIMENSIONS IN RELATION TO EXISTING STRUCTURES AND SERVICES.
- PRIOR TO ANY DEMOLITION, EXCAVATION OR CONSTRUCTION ON THE SITE, AUTHORITIES SHOULD BE CONTACTED FOR LOCATION OF ALL SERVICES.
- NEGLECTING TO DIAL 1100 BEFORE DIGGING OR EXCAVATING CAN LEAD TO COSTLY DISRUPTION TO ESSENTIAL SERVICES, AND INJURY OR DEATH TO WORKERS AND THE GENERAL PUBLIC. IT CAN ALSO LEAD TO HEAVY FINANCIAL PENALTIES.



SITE PLAN NOT TO SCALE



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CLIENT

**WHEELER HEIGHTS
PUBLIC SCHOOL**

PROJECT

**INSTALLATION OF
DIGITAL SCHOOL SIGN**

LOCATION

**LOT 2 DP 518741
36 VETERANS PARADE
COLLAROY PLATEAU 2097**

GENERAL NOTES:

Figured dimensions take preference, do not scale from plans. IF IN DOUBT, ASK.

Contractors are responsible to check and verify all information prior to tendering and shall report any discrepancies or omissions.

Incorrect inclusions or omissions or typographical errors are not to be used in the interpretation of any information in these drawings. Nor can they be used to claim any additional or alternate items or services as a result of such errors. The incorrect or omitted details shall be subject to subsequent correction by CEO and the documentation re-issued.

These drawings are to be read in conjunction with the relevant client-builder contract. The contract is to take precedence over these drawings in all matters.

All work to be carried out in a tradesman like manner, and in accordance with local codes, the BCA, Australian Standards and any relevant authority requirements.

All concrete and structural details to engineer's specification.

Engineers details and specifications take precedence over these plans.

Finished ground levels are approximate only and should be confirmed onsite.

A	13.08.19	PRELIM FOR CLIENT CHECK
Issue	Date	Amendments
SHEET No.	JOB No.	
1		SPC2922

GENERAL

- G1. THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL ARCHITECTURAL AND OTHER CONSULTANTS DRAWINGS AND SPECIFICATIONS AND WITH SUCH OTHER WRITTEN INSTRUCTIONS AS MAY BE ISSUED.
- G2. ANY QUERIES OR DISCREPANCIES SHALL BE REFERRED TO THE ENGINEER OR PROJECT MANAGER FOR A DECISION PRIOR TO PROCEEDING WITH THE WORK.
- G3. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH THE APPROPRIATE AUSTRALIAN STANDARD AND THE BCA AS AMENDED.
- G4. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
- G5. ALL DIMENSIONS SHALL BE VERIFIED BY THE BUILDER ON SITE PRIOR TO ANY FABRICATION OR CONSTRUCTION.
- G6. DIMENSIONS AND SITE SETOUT SHALL NOT BE OBTAINED BY SCALING THE STRUCTURAL DRAWINGS.
- G7. TEMPORARY BRACING OR PROPPING TO ENSURE THE STRUCTURE IS KEPT IN A STABLE STATE IS THE RESPONSIBILITY OF THE BUILDER.
- G8. THE STRUCTURAL ELEMENTS SHOWN ON THESE DRAWINGS HAVE BEEN DESIGNED FOR THE FOLLOWING LIVE LOADS:

STRUCTURAL ELEMENT	LIVE LOAD kPa
N/A	N/A

G9. WIND LOADS TO AS1170.2

REGION	A	B	C
WIND TERRAIN CATEGORY	3	3	3
REGION WIND SPEED ULS V500	45m/s	57m/s	69.3m/s
REGION WIND SPEED SLS V20	30m/s	26m/s	23m/s

FOUNDATIONS

- F1. THE FOUNDATIONS HAVE BEEN DESIGNED FOR AN ALLOWABLE BEARING PRESSURE OF 150 KPa.
- F2. APPROVAL OF THE FOUNDING MATERIAL SHALL BE OBTAINED FROM THE ENGINEER OR GEOTECHNICAL ENGINEER PRIOR TO PLACING THE CONCRETE.
- F3. EXCAVATION NEAR FOOTINGS SHALL NOT EXTEND BELOW THE BASE OF THE FOOTINGS WITHOUT THE APPROVAL OF THE ENGINEER.
- F4. THE BUILDER IS RESPONSIBLE FOR MAINTAINING ANY EXCAVATION IN A STABLE CONDITION WITHOUT AFFECTING SURROUNDING PROPERTY FOR SERVICES. BUILDER TO ALLOW FOR ALL SHORING REQUIRED FOR EXCAVATION OF PILE CAPS.
- F5. BUILDER TO ALLOW FOR REMOVAL OF ALL SPOIL FROM SITE FROM EXCAVATIONS, PILING AND PIERING.
- F6. ALL TOP-SOIL & LOOSE MATERIAL TO BE REMOVED FROM THE SLAB AREA. COMPACTED FILL IN ACCORDANCE WITH AS2870 SECTION 6.4 IF REQUIRED.

CONCRETE

- C1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST VERSION OF AS3600.
- C2. 'READYMIX' CONCRETE SHALL COMPLY WITH AS1379 AND HAVE THE FOLLOWING QUALITY.

STRUCTURAL ELEMENT	AS3600, f'c (Mpa) AT 28 DAYS	SLUMP (mm)	AGG SIZE (mm)
PIERS	32	80	20

- C3. ALL CONCRETE SHALL BE MECHANICALLY VIBRATED TO GIVE MAXIMUM COMPACTION WITHOUT SEGREGATION OF THE CONCRETE.
- C4. THE DESIGN, CONSTRUCTION, INSPECTION AND CERTIFICATION OF THE FALSEWORK, FORMWORK, PROPPING OR LOADING OF STRUCTURES DURING CONSTRUCTION BY THE FALSEWORK OR PROPPING SHALL BE THE RESPONSIBILITY OF THE BUILDER AND SUB-CONTRACTORS.
- C5. CLEAR CONCRETE COVER TO THE REINFORCEMENT SHALL BE AS FOLLOWS:

STRUCTURAL ELEMENT	COVER INTERNAL (mm)	COVER EXTERNAL (mm)
PIERS	45 ALL AROUND	

CONCRETE (CONTINUED)

- C6. LAPPED SPLICE LENGTHS FOR HORIZONTAL BARS WITH MORE THAN 300mm CONCRETE CAST BELOW THE BAR & SPACED AT ≥ 150 mm CENTRES TO COMPLY WITH THE FOLLOWING U.N.O:-

COVER	f _c	N12	N16	N20	N24	N28	N32
≥ 25	≥ 20	770	1150	1570	-	-	-
≥ 30	≥ 25	630	980	1350	1740	-	-
≥ 40	≥ 32	510	770	1100	1440	1810	2230
≥ 50	≥ 40	460	630	890	1200	1530	1890

DO NOT INTERPOLATE INTERMEDIATE VALUES OF SPLICE LENGTHS.
LAPPED SPLICE LENGTHS FOR BARS IN COLUMNS REFER TO AS3600 OR SUPERINTENDENT.
EPOXY COATED BARS, BARS IN LIGHTWEIGHT CONCRETE & SLIP FORMED CONCRETE WILL REQUIRE LONGER SPLICE LENGTHS. REFER TO AS3600 OR SUPERINTENDENT.

- C7. LAPPED SPLICE LENGTHS FOR VERTICAL BARS (& HORIZONTAL BARS WITH LESS THAN 300mm CONCRETE CAST BELOW THE BAR) SPACED AT ≥ 150 mm CENTRES TO COMPLY WITH THE FOLLOWING:-

COVER	f _c	N12	N16	N20	N24	N28	N32
≥ 25	≥ 20	590	890	1210	-	-	-
≥ 30	≥ 25	490	750	1040	1340	-	-
≥ 40	≥ 32	390	600	840	1110	1400	1710
≥ 50	≥ 40	350	480	690	920	1180	1450

- NOT APPLICABLE FOR BARS IN COLUMNS.
DO NOT INTERPOLATE INTERMEDIATE VALUES OF SPLICE LENGTHS.
LAPPED SPLICE LENGTHS FOR BARS IN COLUMNS REFER TO AS3600 OR SUPERINTENDENT.
EPOXY COATED BARS, BARS IN LIGHTWEIGHT CONCRETE & SLIP FORMED CONCRETE WILL REQUIRE LONGER SPLICE LENGTHS. REFER TO AS3600 OR SUPERINTENDENT.
- C8. PROVIDE MINIMUM MESH LAPS TO CROSS WIRES OF REINFORCING MESH, SO THAT TWO OUTERMOST WIRES OF ONE SHEET OVERLAP TWO OUTERMOST WIRES OF ADJACENT SHEET BY AT LEAST 25mm, THUS:-

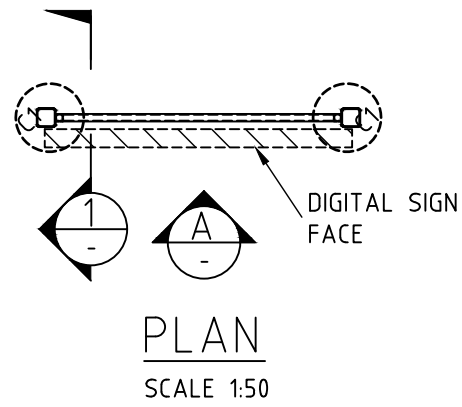
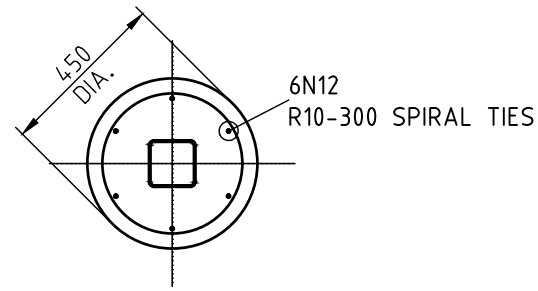
MESH TYPE	END LAP	SIDE LAP
RECTANGULAR MESHES	225	125
SQUARE MESHES SL102 TO SL42	225	225
SL81	125	125
TRENCH MESH	500	N/A

USE LAP LENGTHS BASED ON LARGEST WIRE SPACING. DO NOT LAP MORE THAN THREE SHEETS AT ANY ONE POINT.

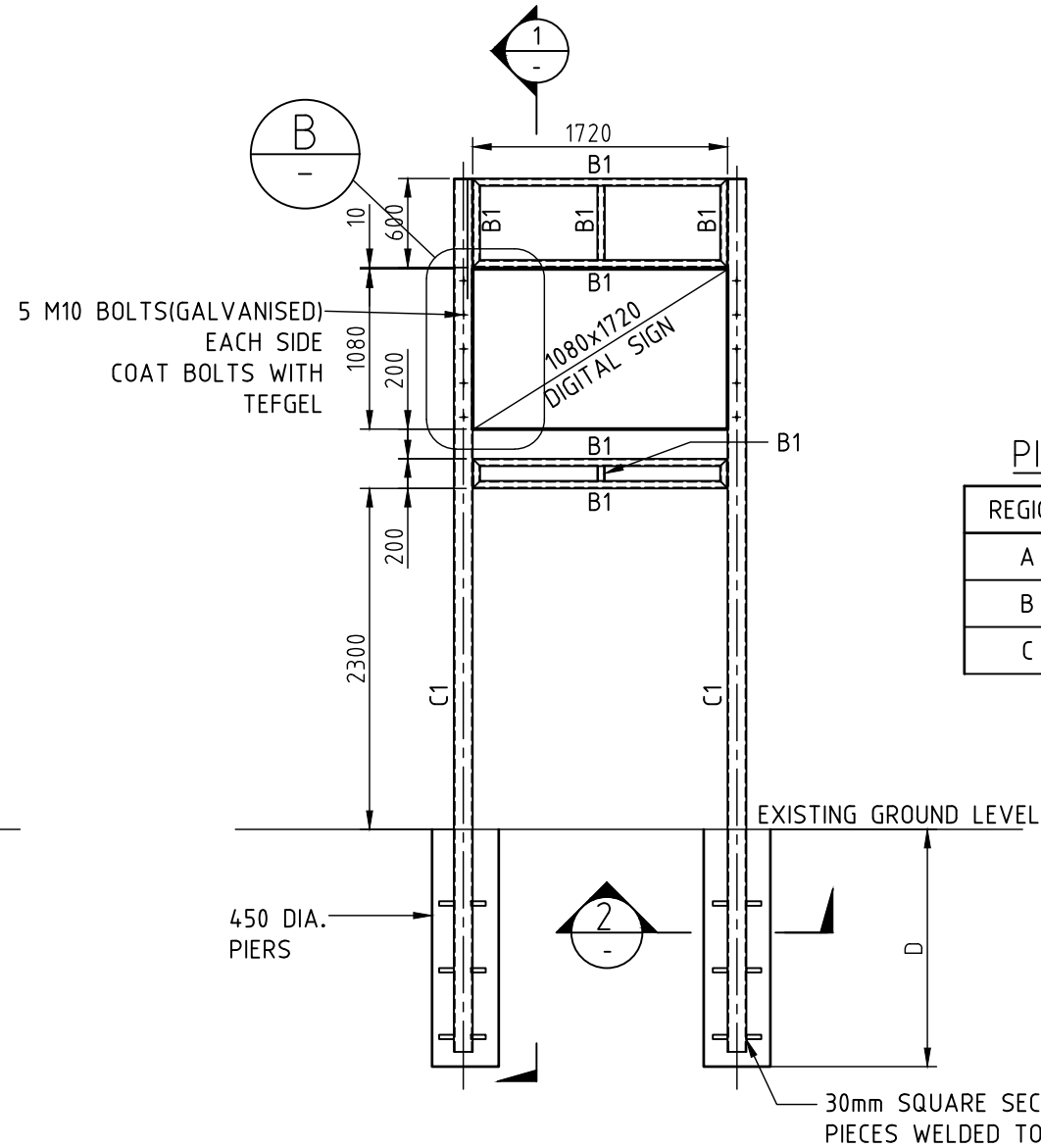
- C9. REINFORCEMENT SHALL NOT BE HEATED OR WELDED ON SITE WITHOUT THE APPROVAL OF THE ENGINEER.
- C10. ALLOW FOR N12-300 SUPPORT BARS PERPENDICULAR TO ALL REINFORCEMENT WHERE NO PERPENDICULAR BARS ARE SHOWN ON PLAN.
- C11. REINFORCEMENT SHALL BE IN ACCORDANCE WITH AS1302 AND AS4671 FOR 500 MPa REINFORCEMENT AND DUCTILITY CLASS N.
IN ACCORDANCE WITH AS1303, 1304 AND AS4671 FOR 500 MPa REINFORCEMENT DUCTILITY CLASS L.
- C12. DAMP PROOF MEMBRANE SHALL BE 'FORTECON' ORANGE POLYTHENE.
- C13. 250 INDICATES SUSPENDED SLAB THICKNESS.
- C14. 250 INDICATES SLAB ON GROUND THICKNESS.

FOR CONSTRUCTION

ISS	DATE	COMMENT	<div><div><div>DBCE</div><div>Dennis Bunt Consulting Engineers Pty Ltd</div></div><div>Suite 1, Building 8, 49 Frenchs Forest Road East, Frenchs Forest, NSW 2086 P.O. Box 652, Forestville, NSW 2087 Ph: 02 9451 3455 Fax: 02 9451 3466 Email: info@dbce.com.au ABN 23 039 013 724</div></div>	CLIENT: SIGNPAC	TITLE: STRUCTURAL NOTES	DRAWN RAS	DESIGN JL	DATE: Nov'16
1	23/11/16	FOR CONSTRUCTION		PROJECT: SIGNPAC DIGITAL SIGN		JOB NO: 16335	DWG NO: S01	
						SCALE @ A3: AS SHOWN	REV: 1	

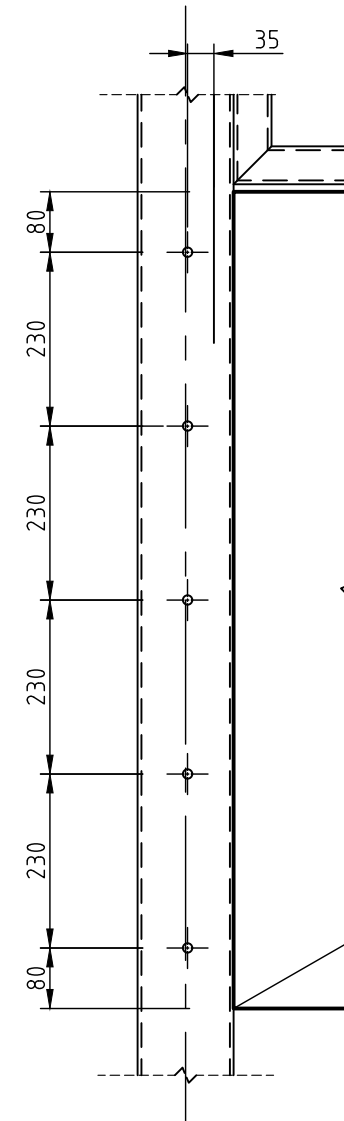


SECTION 2
SCALE 1:20



PIER DEPTH SCHEDULE

REGION	PIER DEPTH 'D'
A	1300
B	1400
C	1600



DETAIL B
SCALE 1:10

MEMBER SCHEDULE


MEMBER	SIZE	COMMENTS
C1	127x127x6 SHS	ALU 6060 T5 (FULLY WELDED FRAME)
B1	50x50x3.0 RHS	ALU 6060 T5 (FULLY WELDED FRAME)

SECTION 1
SCALE 1:50

ELEVATION A
SCALE 1:50

NOTE:
ALL ALUMINIUM & STEEL TO BE SEPARATED
WITH NEOPRENE WASHERS/PADS + 'TEFGEL'.

FOR CONSTRUCTION

ISS	DATE	COMMENT	 <p>Suite 1, Building 8, 49 Frenchs Forest Road East, Frenchs Forest, NSW 2086 P.O. Box 652, Forestville, NSW 2087 Ph: 02 9451 3455 Fax: 02 9451 3466 Email: info@dbce.com.au ABN 23 039 013 724</p>		<p>CLIENT: SIGNPAC</p> <p>PROJECT: SIGNPAC DIGITAL SIGN</p>		<p>TITLE: SINGLE SIDED DIGITAL SIGN 1720x1080</p>		DRAWN	DESIGN	DATE:
1	23/11/16	FOR CONSTRUCTION							RAS	JL	Nov'16
2	08/09/17	RE-ISSUED FOR CONSTRUCTION							JOB NO: 16335		DWG NO: S03
3	8/12/18	ISSUED FOR CONSTRUCTION							SCALE @ A3: AS SHOWN		REV: 3