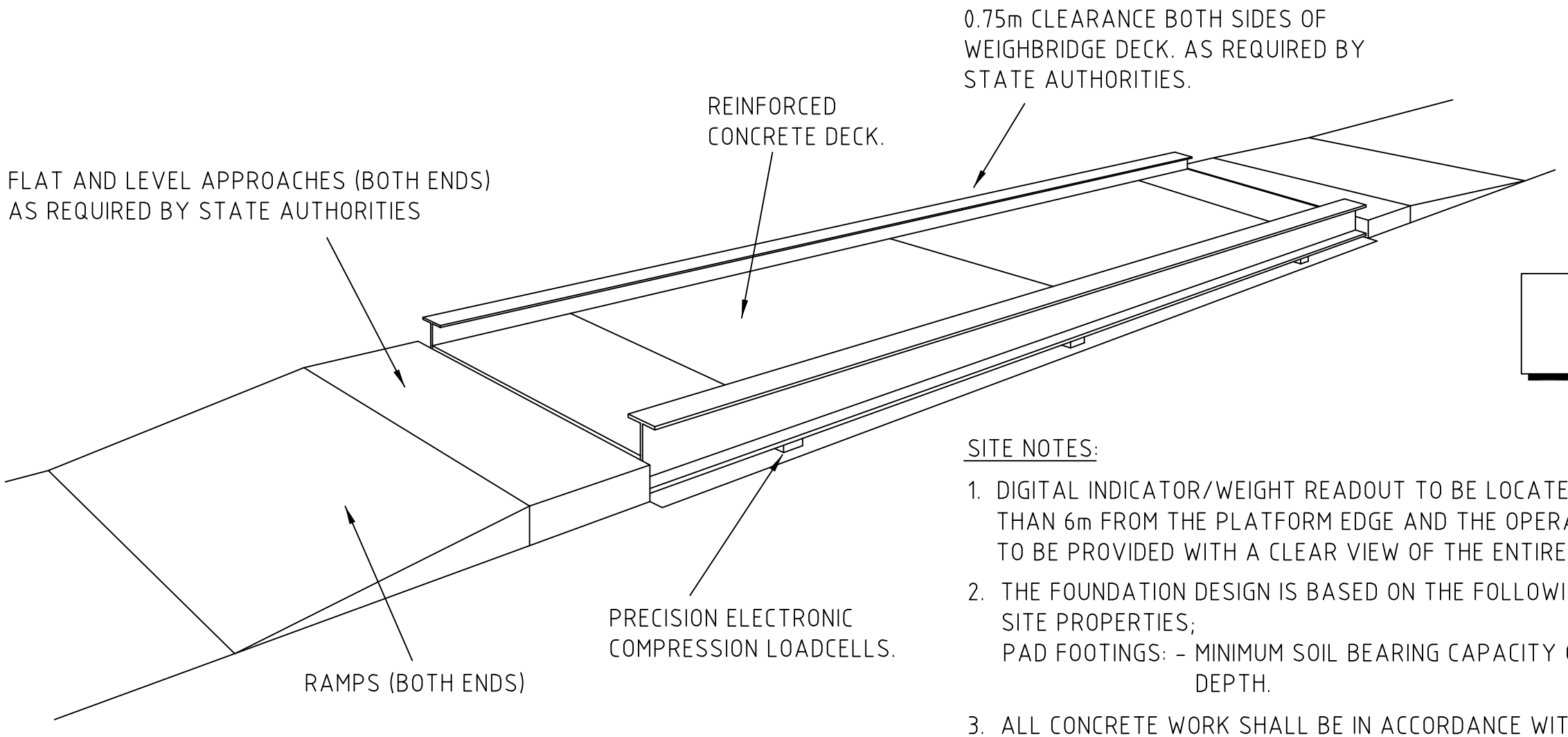
THIS DRAWING SHOULD NOT BE SCALED – IF IN DOUBT ASK.



ISSUED FOR CONSTRUCTION

SITE NOTES:

1. DIGITAL INDICATOR/WEIGHT READOUT TO BE LOCATED NOT MORE THAN 6m FROM THE PLATFORM EDGE AND THE OPERATOR IS TO BE PROVIDED WITH A CLEAR VIEW OF THE ENTIRE PLATFORM.
2. THE FOUNDATION DESIGN IS BASED ON THE FOLLOWING GEOTECHNICAL SITE PROPERTIES;
   PAD FOOTINGS: – MINIMUM SOIL BEARING CAPACITY OF 160kPa AT 500mm DEPTH.
3. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH A.S.3600, MINIMUM STRENGTH TO BE 32MPa AT 28 DAYS.
4. REINFORCEMENT TO A.S.1302, 1303, AND 1304.
5. DESIGN AND SITE WORK MUST BE APPROVED, AUTHORIZED AND SUPERVISED BY CUSTOMER'S QUALIFIED CIVIL ENGINEER.
6. MAXIMUM LOADINGS: 9000kg PER SINGLE AXLE, 17000kg PER TANDEM AXLE WITH SPACINGS BETWEEN 1.3m AND 2.8m, AND 3m (MAXIMUM) BETWEEN INSIDE OF ADJACENT TANDEMS, 21000kg PER TRI-AXLE BOGIE WITH AXLE CENTRES OF 1.3m
7. IT IS THE CUSTOMERS/SITE OWNERS RESPONSIBILITY TO PROVIDE SUCH ITEMS AS PLATFORMS, STEPS, GUARD RAILS, SIGNAGE ETC. THAT MAY BE REQUIRED TO SATISFY THE REQUIREMENTS OF THE OCCUPATIONAL HEALTH AND SAFETY ACT.

REV.	DESCRIPTION	DATE	APP.
G	SIDE CLEARANCE CHANGED TO 0.75m WAS 1m	16.11.11	SIMON
F	MAXIMUM LOADING CHANGED	21.04.09	SIMON
E	RAMP ALTERED&CONCRETE STRENGTH CHANGE TO 32Mpa	29.07.08	SIMON
D	REDRAWN ON CAD	23.10.02	AR

Diverseco

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12 Kembla Way,
Willetton, WA, 6155
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DR. BY: AR	DATE: 23.10.2002	
CH. BY: SK	DATE: 21.04.2009	
APP. BY: SK	DATE: 21.04.2009	
SCALE: N.T.S.		

TITLE:

ABOVE GROUND – RAMPED ELECTRONIC WEIGHBRIDGE

GENERAL LAYOUT

DRAWING No. A3-9630/1

REV. No. G

SHEET 1 OF 1

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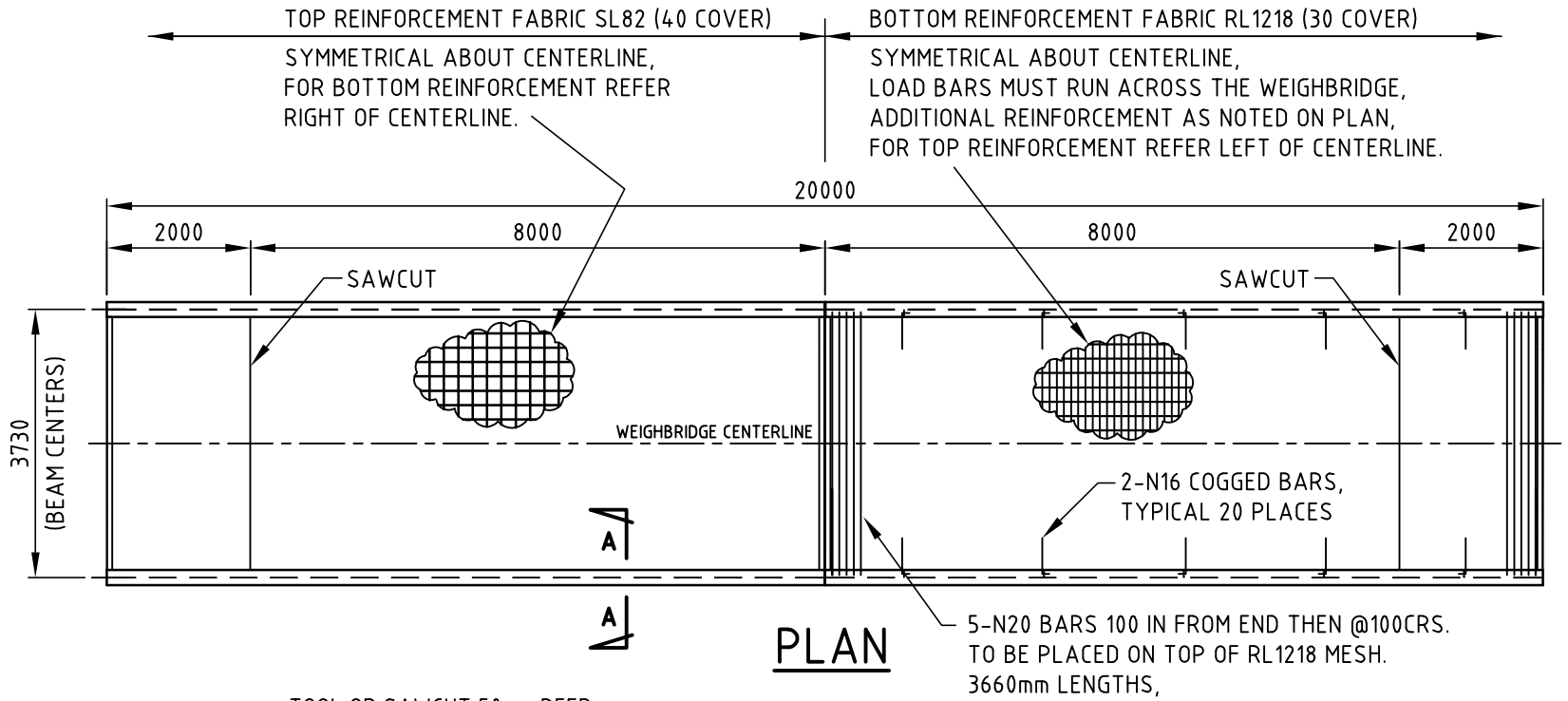
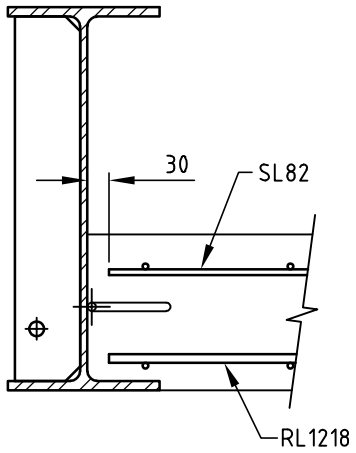
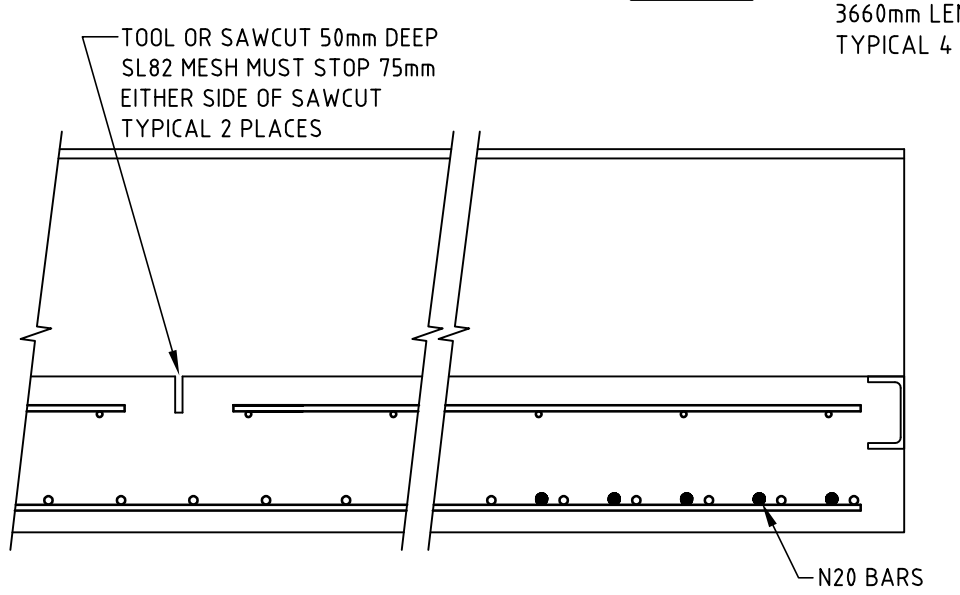


PLAN

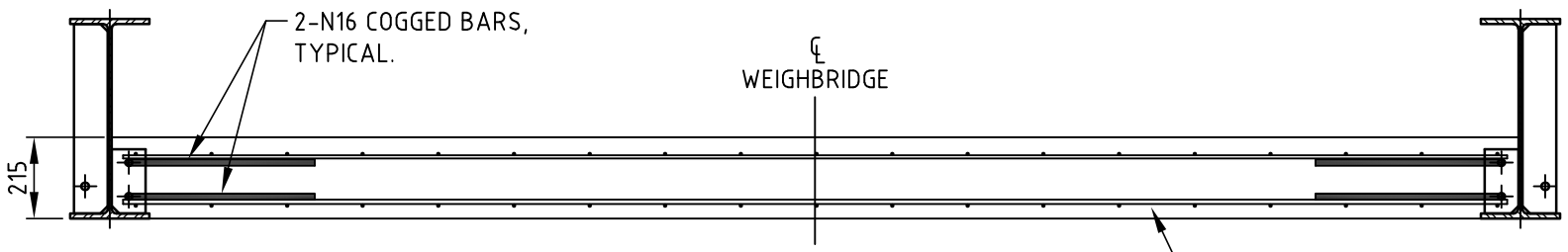
ISSUED FOR CONSTRUCTION



SECTION A-A



SAWCUT DETAILS

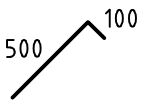


TYPICAL CROSS SECTION

REINFORCEMENT QUANTITIES

MESH : SL82 – 6 SHEETS
RL1218 – 6 SHEETS
(6m x 2.4m SHEETS)

BAR: 20 OFF N20 BARS AT 3660mm LENGTHS
40 OFF N16 COGGED BARS AS SHOWN



NOTES:
1. ALL CONCRETE WORK SHALL BE DONE IN ACCORDANCE WITH AS3600. MINIMUM CONCRETE CONCRETE STRENGTH SHALL BE 32MPa AT 28 DAYS.
2. REINFORCEMENT SHALL BE DONE TO AS1302, 1303, 1304.
3. (A) FOR DRAINAGE PURPOSES SCREED CONCRETE TO 1:100 TRANSVERSELY AND LONGITUDINALLY, AND BE FLUSH WITH TOP OF CHANNELS AND ANGLES.
   (B) CONCRETE TO BE LIGHTLY BROOM FINISHED (ie NON SKID SURFACE), AND ALL EDGES OF CONCRETE AGAINST STEEL WORK TO BE TROWELED WITH RADIUS EDGING TOOL.
4. FOR STEEL WORK ASSEMBLY DETAILS REFER DRAWING A3-4500-2.
5. FOR CONDUIT LAYOUT DETAILS REFER DRAWING A3-4485-2.

ITEM	QTY.	DESCRIPTION / MATERIAL	PART NO.
2	AS REQ'D	REINFORCEMENT, REFER TABLE	
1	16.5m^3	APPROX. OF CONCRETE Fc' = 32 MPa	

CALCS107.12.B
CALCS107.12

REV.	DESCRIPTION	DATE	APP.
F	6-N24 BARS REPLACED BY 5-N20	29.05.19	
E	N24 1200 LN BARS REPLACED BY N24 3660 LN BARS	29.11.11	
D	N24 BARS REARRANGED	04.12.08	
C	REDRAWN TO NEW DESIGN	09.09.08	

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Web: diverseco.com.au

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DR. BY: AK DATE: 29.05.2019
CH. BY: S.K DATE: 29.05.2019
APP. BY: S.K DATE: 29.05.2019
SCALE: 1:100, 1:20, 1:5

TITLE:
20m x 3.5m LOW PROFILE ELECTRONIC WEIGHBRIDGE

CONCRETE DECK DETAILS

DRAWING No.
A3-4033/B
20m x 3.5m

REV. No. F

SHEET 1 OF 1

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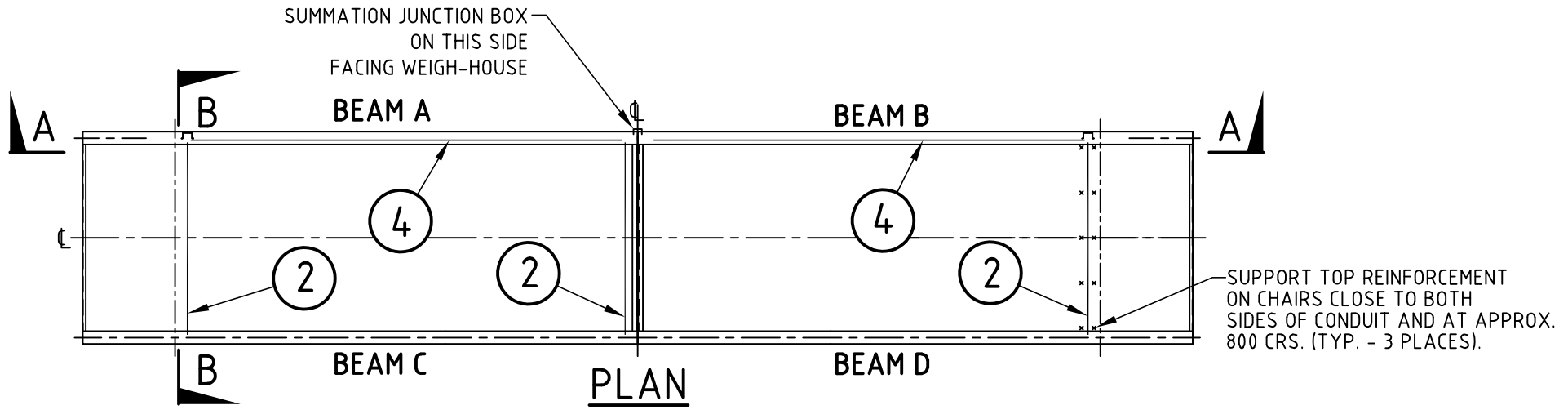
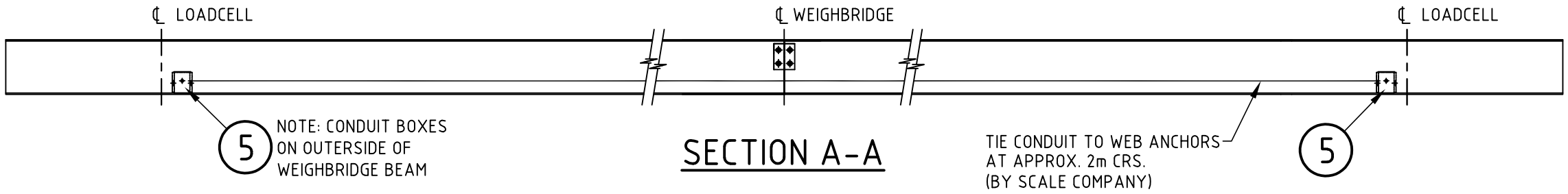


PLAN



SECTION A-A

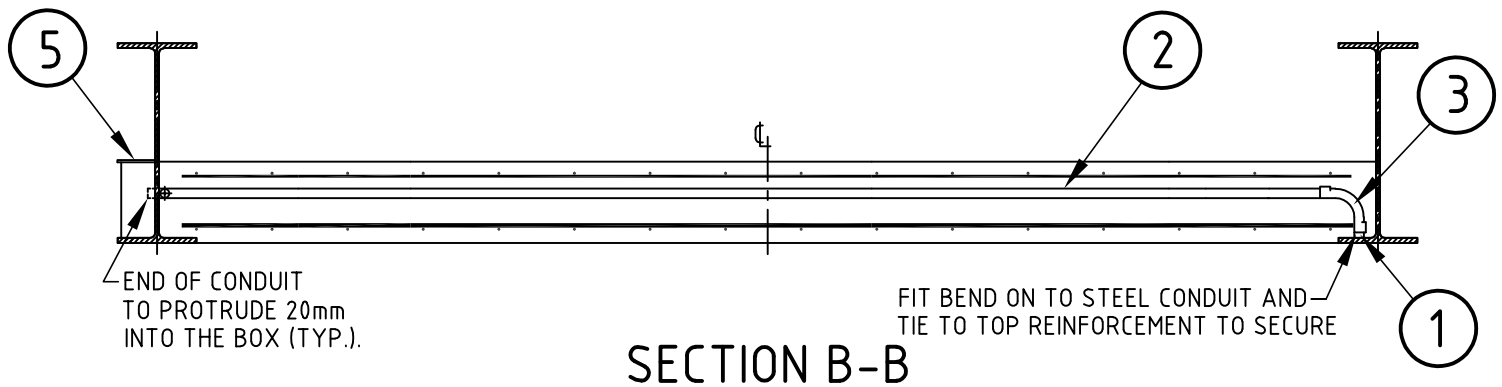
TABLE 1.

WEIGHBRIDGE LENGTH	ϕ25mm CONDUIT LENGTHS
15m	2 x 6.5m
18m	2 x 7m
20m	2 x 8m
24m	2 x 9.3m

TABLE 2.

WEIGHBRIDGE WIDTH	ϕ25mm CONDUIT LENGTHS
3.0m	3 x 3.13m
3.5m	3 x 3.63m

ISSUED FOR CONSTRUCTION



SECTION B-B

ITEMS SUPPLIED BY SCALE COMPANY			
5	2	CONDUIT BOX	KL082015
4	AS REQ'D	ϕ25mm PVC CONDUIT (REFER TABLE 1)	9025
3	3	ϕ25mm PVC 90° BEND	247/25
2	AS REQ'D	ϕ25mm PVC CONDUIT (REFER TABLE 2)	9025
1	4	ϕ25mm STEEL CONDUIT x 50mm LONG	9025
ITEM	**REQ'D**	**MATERIAL/DESCRIPTION**	**PART No.**

REV.	DESCRIPTION	DATE	APP.
C	GENERAL REVISION	6.5.09	SIMON
B	NEW JUNCTIONBOX ADDED	15.7.08	SIMON
A	TWO TABLES ADDED	2.6.00	AR

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DR. BY: AR DATE: 02.06.2000
CH. BY: S.K DATE: 07.05.2009
APP. BY: S.K DATE: 07.05.2009
SCALE: 1:100, 1:50, 1:20

TITLE:
ABOVE GROUND WEIGHBRIDGE
6 LOADCELL

BEAM AND CONDUIT ARRANGEMENT

DRAWING No.
A3-4485-2

REV. No. C

SHEET 1 OF 1

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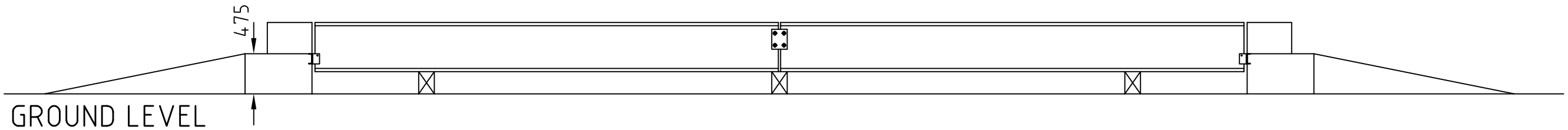

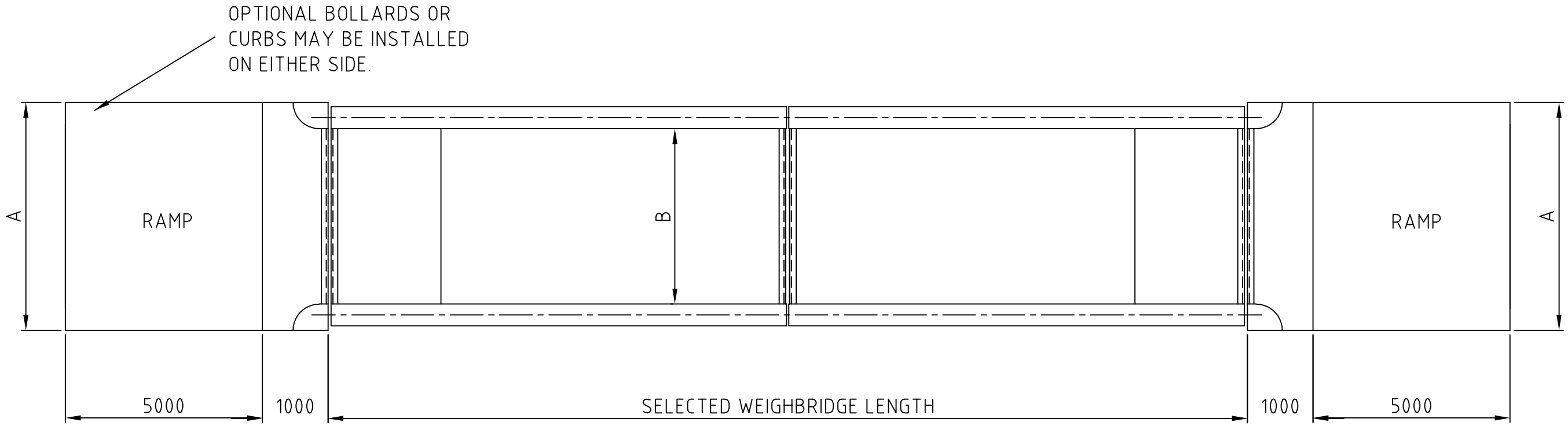

WEIGHBRIDGE WIDTH	DIMENSION 'A'	DIMENSION 'B'
3.0m	3500mm	3000mm
3.5m	4000mm	3500mm

ISSUED FOR CONSTRUCTION

REV.	DESCRIPTION	DATE	APP.

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12 Kembla Way,
Willetton, WA, 6155
Phone: (08) 9259 6219
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DR. BY:	A.K	DATE: 31.05.2021
CH. BY:	S.K	DATE: 31.05.2021
APP. BY:	S.K	DATE: 31.05.2021
SCALE:	N.T.S.	

TITLE:
ABOVE GROUND – RAMPED
6 LOADCELL
ELECTRONIC WEIGHBRIDGE
GENERAL LAYOUT

DRAWING No.
A3-J31.05.2021/1
6 CELL

REV. No.

SHEET 1 OF 1

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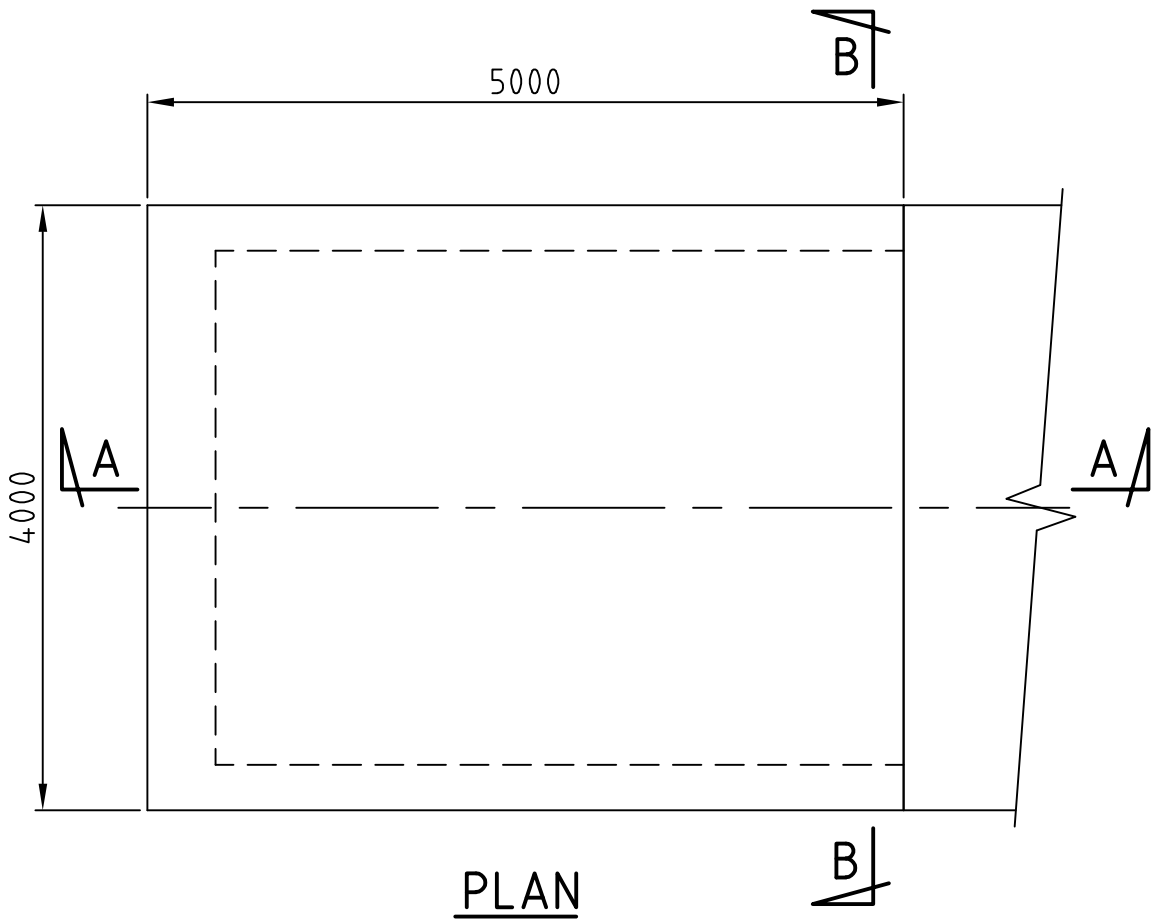
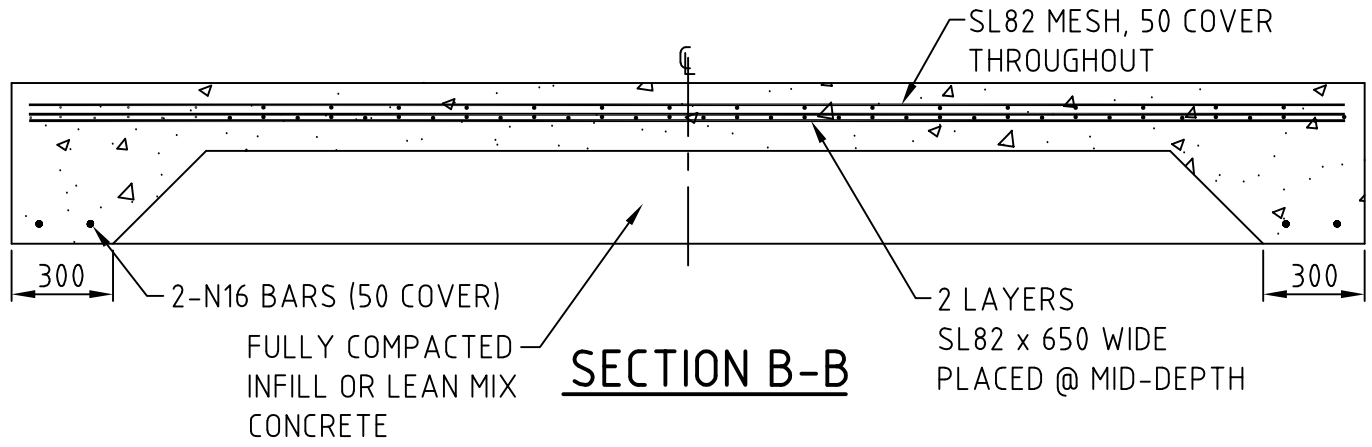
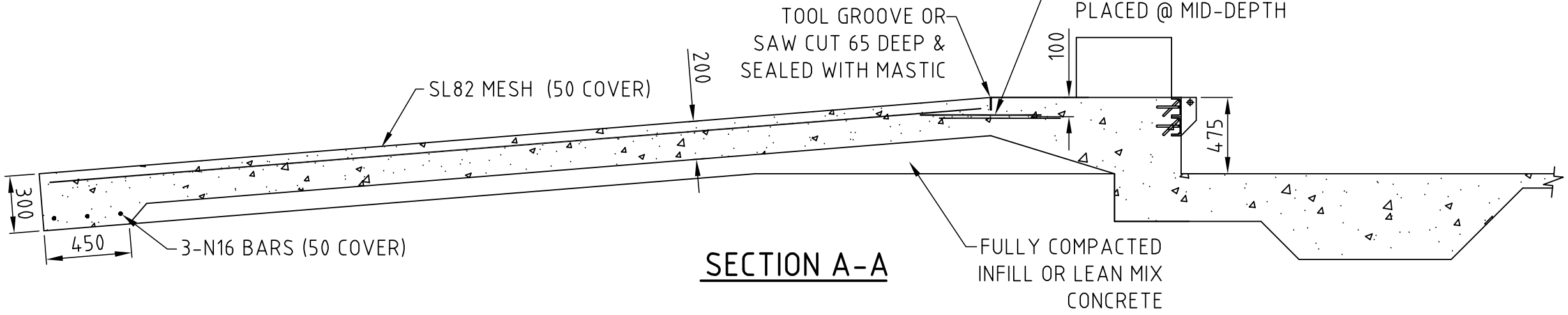


PLAN



SECTION B-B

ISSUED FOR CONSTRUCTION



SECTION A-A

ITEM	REQ'D	MATERIAL/DESCRIPTION	PART No.
1	4.6m³	APPROX. OF CONCRETE. Fc = 32MPa.	
2	AS REQ'D	REINFORCEMENT (SL82 MESH)	

CALC:0116.03

REV.	DESCRIPTION	DATE	APP.

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DR. BY: AK DATE: 31.05.2021
CH. BY: SK DATE: 31.05.2021
APP. BY: SK DATE: 31.05.2021
SCALE: 1:50, 1:20

TITLE:
3.5m WIDE
ELECTRONIC WEIGHBRIDGE

RAMP DETAILS

DRAWING No.
A3-J31.05.2021/3.5m

REV. No.

SHEET 1 OF 1

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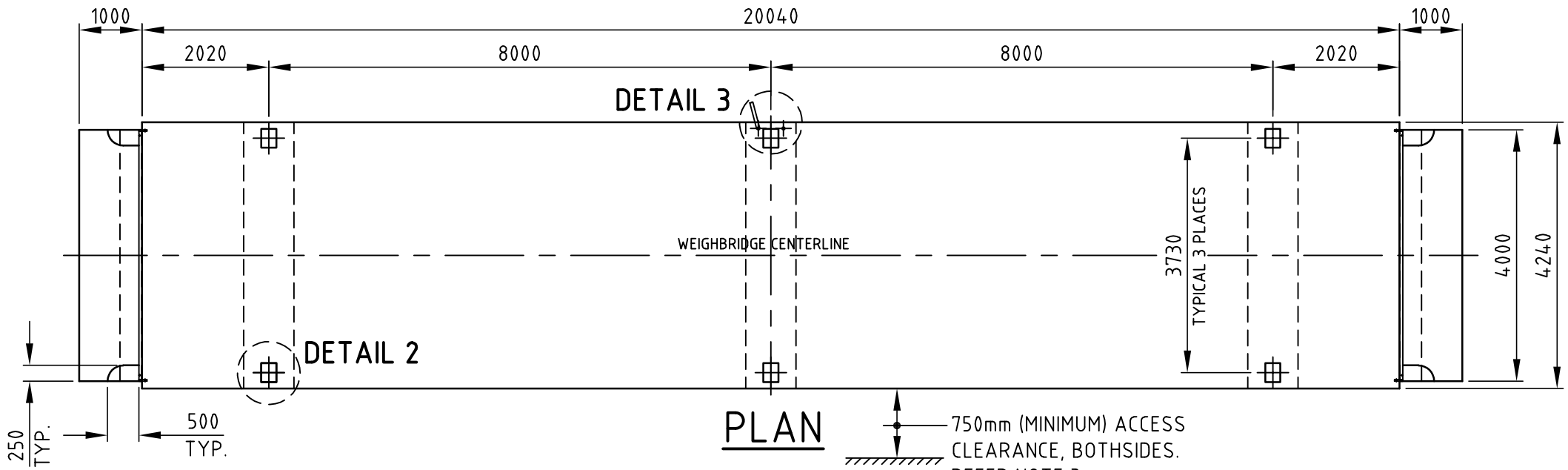
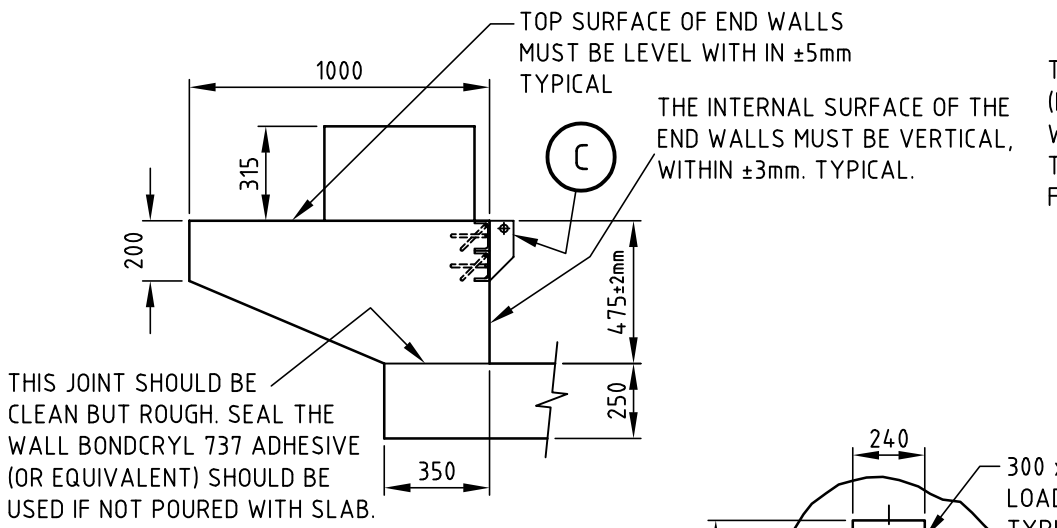


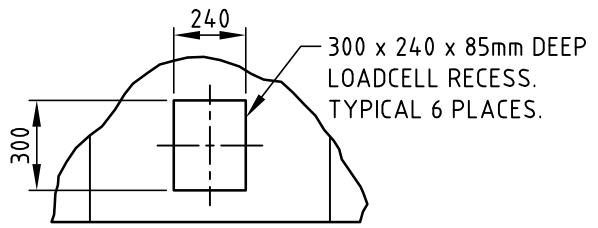
PLAN

TYPICAL ELEVATION

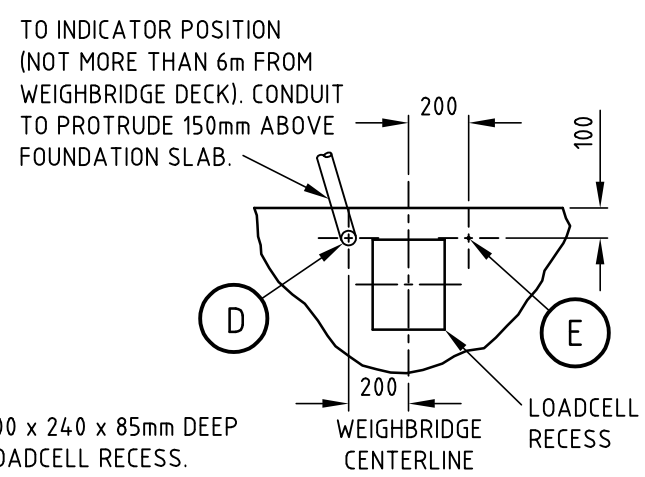
ISSUED FOR CONSTRUCTION



DETAIL 1



DETAIL 2



DETAIL 3

NOTES:

1. (A) SITE MUST BE APPROVED & SITE WORK SUPERVISED BY CLIENTS CIVIL ENGINEER.
   (B) FOUNDATION DESIGN TO SUIT STABLE SOIL CONDITIONS (CLASS M), WITH A MINIMUM ALLOWABLE BEARING PRESSURE OF 160kPa.
2. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH A.S.3600, MINIMUM CONCRETE STRENGTH SHALL BE 32MPa AT 28 DAYS.
3. IF USED FOR TRADE WEIGHING - LOCATION, APPROACH LENGTH & ACCESS CLEARANCE MUST BE APPROVED BY CONSUMER AFFAIRS/ WEIGHTS AND MEASURES AUTHORITIES.
4. GROUND ROD MUST BE LOCATED AS SHOWN ON PLAN. INSTALL ROD 1.75m INTO MOIST EARTH MAKING SURE IT PROTRUDES 50mm ABOVE FOUNDATION SLAB LEVEL.
5. THE TOP SURFACE OF THE SLAB WILL BE USED AS FORM WORK FOR CASTING THE DECK. THEREFORE, IT MUST BE FLAT AND HORIZONTAL WHEN CHECKED WITH AN AUTOMATIC LEVEL. THE HIGHEST POINT IS TO BE WITHIN 5mm OF THE LOWEST POINT.
6. ALL DIMENSIONS ARE WITH IN ±5mm UNLESS OTHERWISE STATED.

ITEMS SUPPLIED BY PIT CONTRACTOR			
E	1	COPPER CLAD GROUND RODS x 1.8m LONG (MIN.)	
D	AS REQ'D	ø50 CONDUIT, L.S. 90° BENDS, DRAW WIRE & CAPS	
C	2	END WALL SURROUND SUPPLIED WITH WEIGHBRIDGE	3896/B-3.5m
B	AS REQ'D	REINFORCEMENT, REFER DWG. A3-4313/B/20mx3.5m - SHEET 2	
A	18m³	APPROX. OF CONCRETE	
ITEM	QTY.	DESCRIPTION / MATERIAL	PART NO.

CALCS107.11A

REV.	DESCRIPTION	DATE	APP.

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Willetton, WA, 6155
Phone: (08) 9259 6219
Web: diverseco.com.au

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DR. BY: AK DATE: 31.05.2021
CH. BY: S.K DATE: 31.05.2021
APP. BY: S.K DATE: 31.05.2021
SCALE: 1:100, 1:20

TITLE:
20m x 3.5m LOW PROFILE ELECTRONIC WEIGHBRIDGE
FOUNDATION DETAILS

DRAWING No.
A3-J31.05.2021/B
20m x 3.5m
REV. No.
SHEET 1 OF 2

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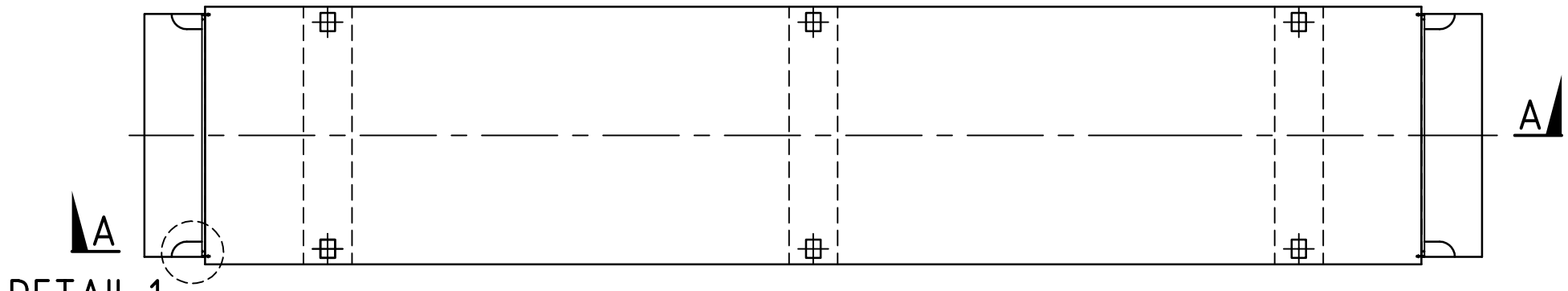
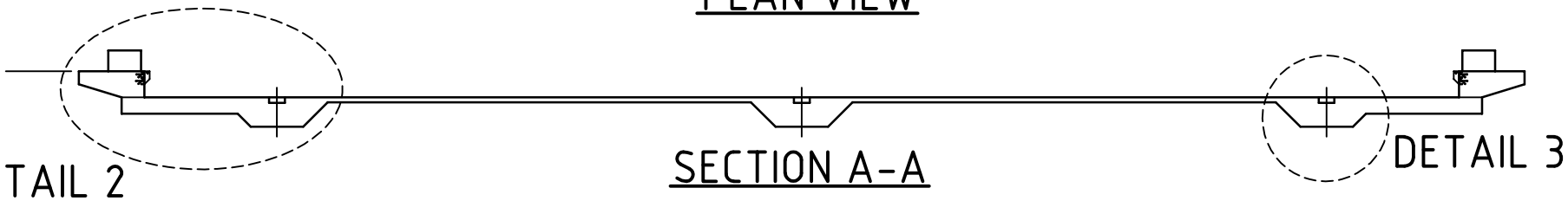


DETAIL 1

PLAN VIEW

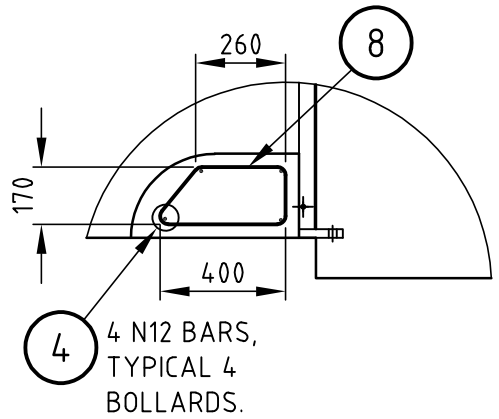


DETAIL 2

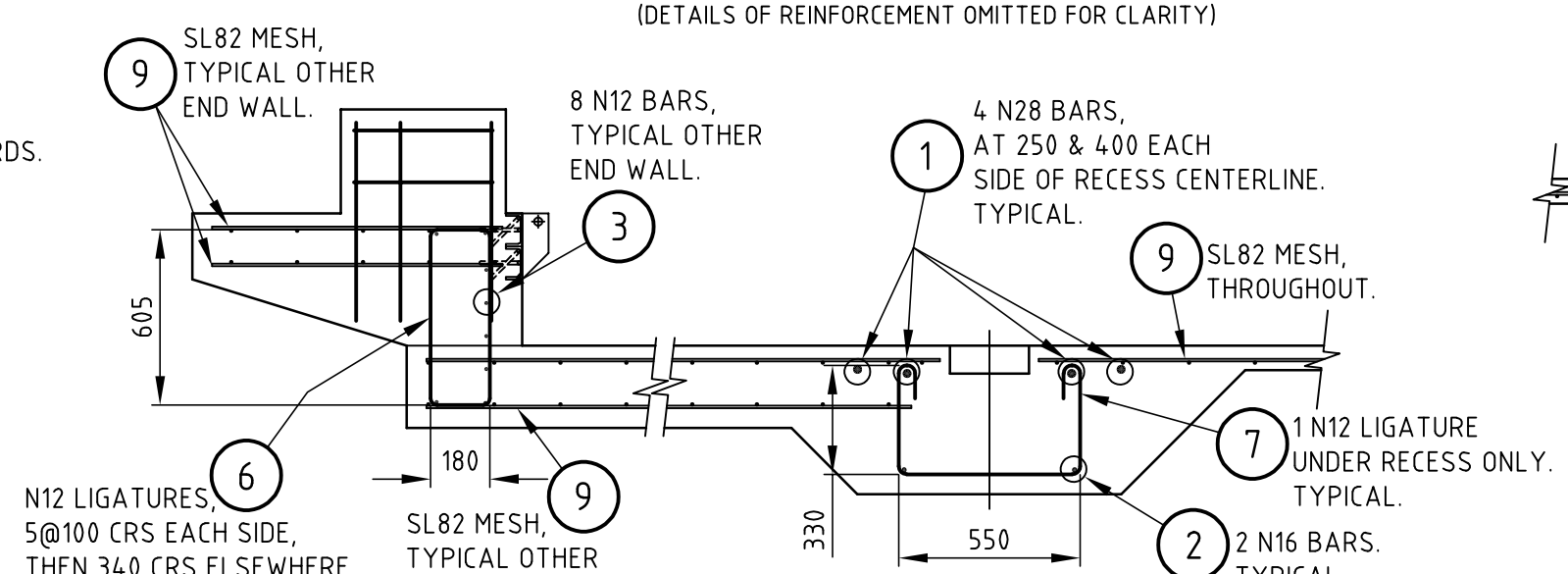
SECTION A-A

DETAIL 3

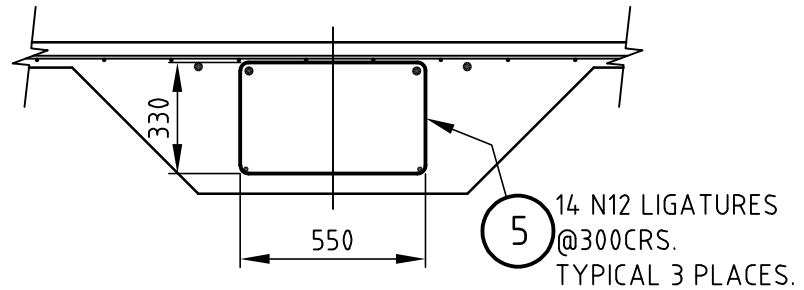
(DETAILS OF REINFORCEMENT OMITTED FOR CLARITY)



DETAIL 1



DETAIL 2



DETAIL 3

ITEM	QTY.	DESCRIPTION / MATERIAL	PART NO.
9	10	SL82, 6m x 2.4m SHEET	
8	8	N12 x 1.05 LN BENT AS SHOWN	
7	6	N12 x 1.43 LN BENT AS SHOWN	
6	36	N12 x 1.67 LN BENT AS SHOWN	
5	42	N12 x 1.88 LN BENT AS SHOWN	
4	16	N12 x 0.6 LN	
3	16	N12 x 3.88 LN	
2	6	N16 x 4.12 LN	
1	12	N28 x 4.12 LN	

ISSUED FOR CONSTRUCTION

NOTES:
1. REINFORCEMENT TO AS 1302, 1303, 1304.
2. REINFORCEMNT COVER
   40mm TOP COVER
   60mm BOTTOM COVER
   60mm EDGE COVER

CALCS107.11A

REV.	DESCRIPTION	DATE	APP.

DIVERSECO PTY LTD
12 Kembla Way,
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DR. BY: AK	DATE: 31.05.2021	
CH. BY: S.K	DATE: 31.05.2021	
APP. BY: S.K	DATE: 31.05.2021	
SCALE: 1:100, 1:20		

TITLE:

20m x 3.5m LOW PROFILE ELECTRONIC WEIGHBRIDGE

FOUNDATION REINFORCEMENT AND PLACEMENT

DRAWING No.
A3-J31.05.2021/B
20m x 3.5m

REV. No.

SHEET 2 OF 2