

FROM GRETA

TO BRANXTON

**LEGEND**

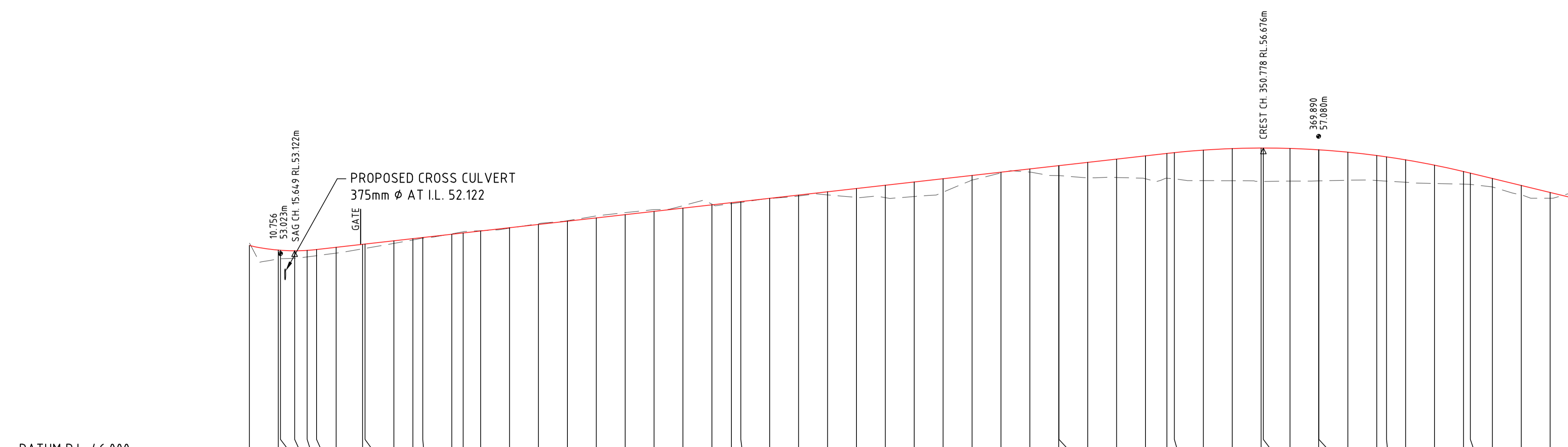
- PROPOSED RAIL LEVEL
- - - - - APPROX. GROUND LEVEL
- · · · · APPROX. SANDSTONE LEVEL

**NOTES**

- LONGSECTION TAKEN ALONG CL OF ACCESS MC 160 & 210
- LEVELS ARE TO AUSTRALIAN HEIGHT DATUM (A.H.D)
- ALL LEVELS AND STATIONS ARE EXPRESSED IN METRES

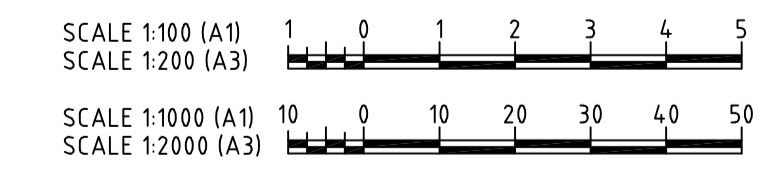
**REFERENCES**

- FOR PLAN ALIGNMENT REFER TO DWG GTSF-DG-ROD-CV-0101 TO 0109



VERTICAL ALIGNMENT		L=25.000	G=1.130% L=294.134	L=105.000	G=-2.4% L=62.5
HORIZONTAL ALIGNMENT		R=140.000		R=140.000	
DESIGN LEVELS	EXISTING LEVELS	STATION			
53.383	53.383	0.000			
52.844	52.844	10.000			
53.145	53.145	10.756			
53.139	53.139	15.649			
53.122	53.122	15.649			
53.122	53.122	20.539			
53.126	53.126	23.428			
53.241	53.241	30.000			
53.241	53.241	39.169			
53.354	53.354	40.000			
53.354	53.354	50.000			
53.467	53.467	56.556			
53.561	53.561	60.000			
53.580	53.580	70.000			
53.693	53.693	73.964			
53.737	53.737	80.000			
53.806	53.806	90.000			
53.919	53.919	100.000			
54.032	54.032	110.000			
54.145	54.145	120.000			
54.257	54.257	130.000			
54.370	54.370	140.000			
54.483	54.483	150.000			
54.596	54.596	160.000			
54.709	54.709	166.755			
54.786	54.786	170.000			
54.822	54.822	180.000			
54.935	54.935	190.000			
55.048	55.048	200.000			
55.161	55.161	210.000			
55.274	55.274	220.000			
55.387	55.387	230.000			
55.500	55.500	240.000			
55.613	55.613	250.000			
55.726	55.726	260.000			
55.839	55.839	270.000			
55.952	55.952	280.000			
56.065	56.065	280.071			
56.178	56.178	290.000			
56.291	56.291	300.000			
56.404	56.404	310.000			
56.487	56.487	317.390			
56.515	56.515	320.000			
56.603	56.603	330.000			
56.656	56.656	340.000			
56.676	56.676	350.000			
56.676	56.676	350.778			
56.661	56.661	360.000			
56.614	56.614	369.890			
56.614	56.614	370.000			
56.531	56.531	380.000			
56.416	56.416	390.000			
56.369	56.369	393.388			
56.266	56.266	400.000			
56.082	56.082	410.000			
55.865	55.865	420.000			
55.808	55.808	422.390			
55.624	55.624	430.000			
55.382	55.382	440.000			
55.139	55.139	450.000			

JOINS DRAWING No. GTSF-DG-ROD-CV-0202



No	DATE	DRAFTING CHECK	DESIGN REVIEW	REV'D P.MGR	APP'D P.DIR	AMENDMENT
A	30.09.10					80% DETAIL DESIGN



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CLIENT PACIFIC NATIONAL		PROJECT GRETA TRAIN SUPPORT FACILITY	
DRAFTER FS	DRAFTING CHECK DT	REVIEWED PROJECT MANAGER	APPROVED PROJECT DIRECTOR
DESIGNED PD	DESIGN REVIEW LM		

TITLE  
**LONGITUDINAL SECTION - ACCESS No.1 (MC160)**  
SHEET 1 OF 4

SCALE 1:1000H & 1:100V	SKM PROJECT No NB11248	DRAWING No GTSF-DG-ROD-CV-0201	AMDT A
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Plot Date: 01 Oct 2010 @ 11:21:01 Login Name: fsulaiman Cad File: \\MBF\Projects\WB80071 - Greta Stabling Yard\Deliverables\Drawings\01 - Civil\DWG\GTSF-ROD-CV\GTSF-DG-ROD-CV-0201\_0205.dwg

FROM GRETA

TO BRANXTON

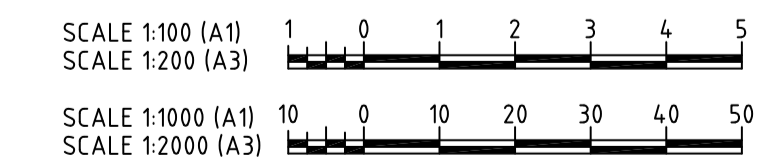
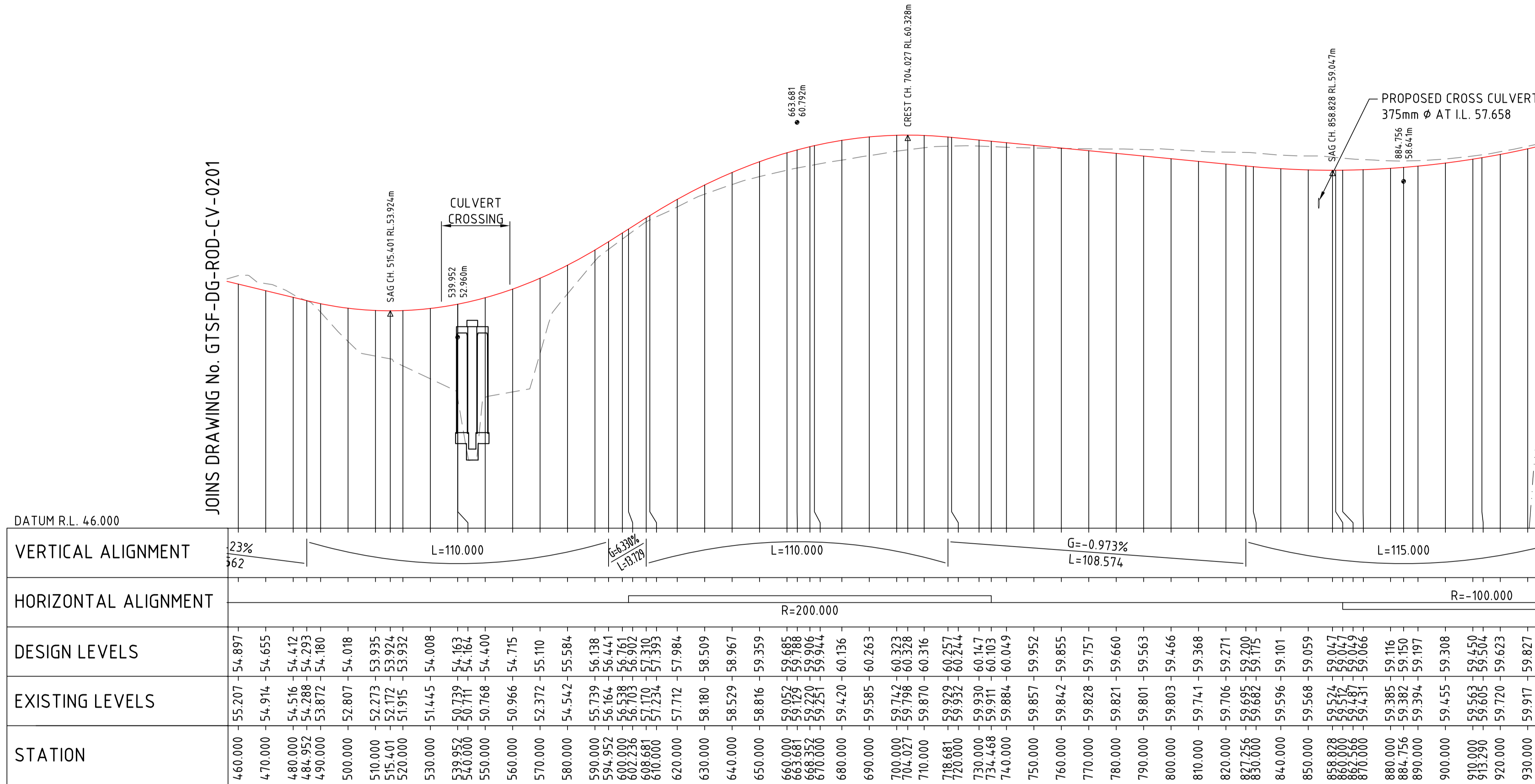
LEGEND	
	PROPOSED RAIL LEVEL
	APPROX. GROUND LEVEL
	APPROX. SANDSTONE LEVEL

NOTES	
1.	LONGSECTION TAKEN ALONG CL OF ACCESS MC 160 & 210
2.	LEVELS ARE TO AUSTRALIAN HEIGHT DATUM (A.H.D)
3.	ALL LEVELS AND STATIONS ARE EXPRESSED IN METRES

REFERENCES	
1.	FOR PLAN ALIGNMENT REFER TO DWG GTSF-DG-ROD-CV-0101 TO 0109

JOINS DRAWING No. GTSF-DG-ROD-CV-0201

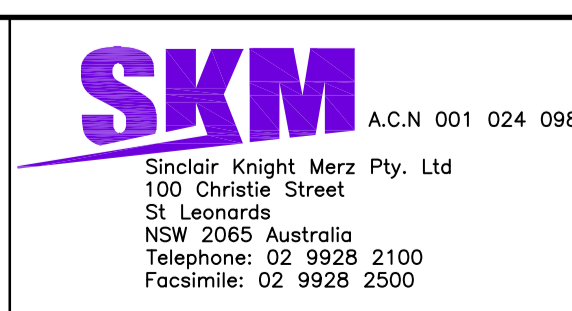
JOINS DRAWING No. GTSF-DG-ROD-CV-0203



No	DATE	DRAFTING CHECK	DESIGN REVIEW	REV'D P.MGR	APP'D P.DIR	AMENDMENT
A1	10.11.10					CHANGE FROM BRIDGE TO CULVERT CROSSING
A	30.09.10					80% DETAIL DESIGN



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CLIENT PACIFIC NATIONAL			
PROJECT GRETA TRAIN SUPPORT FACILITY			
DRAFTER FS	DRAFTING CHECK DT	REVIEWED PROJECT MANAGER	APPROVED PROJECT DIRECTOR
DESIGNED PD	DESIGN REVIEW LM		

TITLE LONGITUDINAL SECTION - ACCESS No.1 (MC160) SHEET 2 OF 4			
SCALE 1:1000H & 1:100V	SKM PROJECT No NB11248	DRAWING No GTSF-DG-ROD-CV-0202	AMDT A1

FROM GRETA

TO BRANXTON

**LEGEND**

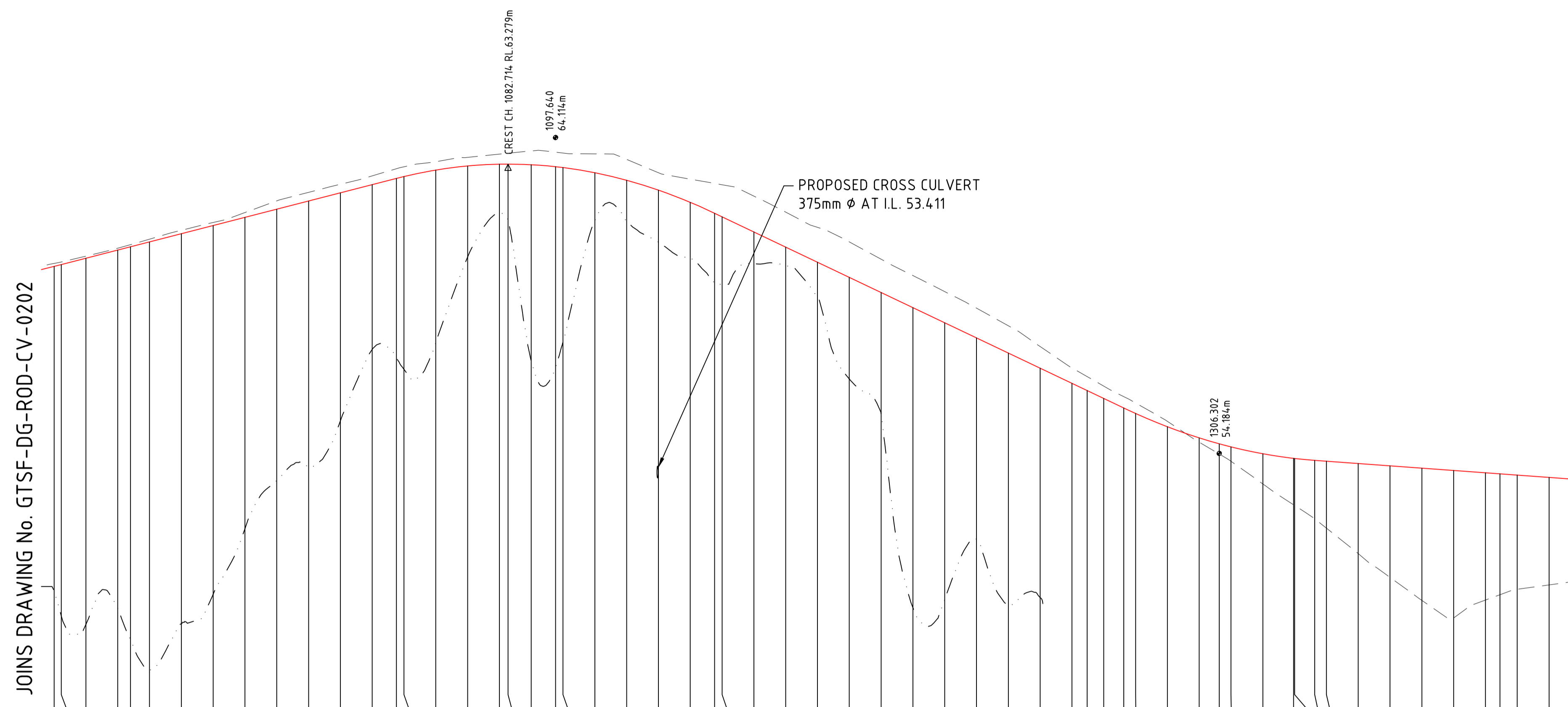
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- FOR PLAN ALIGNMENT REFER TO DWG GTSF-DG-ROD-CV-0101 TO 0109



DATUM R.L. 46.000

VERTICAL ALIGNMENT	G=2.571% L=105.384	L=100.000	G=-4.759% L=128.663	L=60.000	G=-0.72% L=147.000																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
HORIZONTAL ALIGNMENT	R=-450.000																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
DESIGN LEVELS	60.062	60.119	60.318	60.575	60.679	60.832	61.090	61.347	61.604	61.861	62.118	62.375	62.632	62.889	63.146	63.403	63.660	63.917	64.174	64.431	64.688	64.945	65.202	65.459	65.716	65.973	66.230	66.487	66.744	67.001	67.258	67.515	67.772	68.029	68.286	68.543	68.800	69.057	69.314	69.571	69.828	70.085	70.342	70.599	70.856	71.113	71.370	71.627	71.884	72.141	72.398	72.655	72.912	73.169	73.426	73.683	73.940	74.197	74.454	74.711	74.968	75.225	75.482	75.739	75.996	76.253	76.510	76.767	77.024	77.281	77.538	77.795	78.052	78.309	78.566	78.823	79.080	79.337	79.594	79.851	80.108	80.365	80.622	80.879	81.136	81.393	81.650	81.907	82.164	82.421	82.678	82.935	83.192	83.449	83.706	83.963	84.220	84.477	84.734	84.991	85.248	85.505	85.762	86.019	86.276	86.533	86.790	87.047	87.304	87.561	87.818	88.075	88.332	88.589	88.846	89.103	89.360	89.617	89.874	90.131	90.388	90.645	90.902	91.159	91.416	91.673	91.930	92.187	92.444	92.701	92.958	93.215	93.472	93.729	93.986	94.243	94.500	94.757	95.014	95.271	95.528	95.785	96.042	96.299	96.556	96.813	97.070	97.327	97.584	97.841	98.098	98.355	98.612	98.869	99.126	99.383	99.640	99.897	100.154	100.411	100.668	100.925	101.182	101.439	101.696	101.953	102.210	102.467	102.724	102.981	103.238	103.495	103.752	104.009	104.266	104.523	104.780	105.037	105.294	105.551	105.808	106.065	106.322	106.579	106.836	107.093	107.350	107.607	107.864	108.121	108.378	108.635	108.892	109.149	109.406	109.663	109.920	110.177	110.434	110.691	110.948	111.205	111.462	111.719	111.976	112.233	112.490	112.747	113.004	113.261	113.518	113.775	114.032	114.289	114.546	114.803	115.060	115.317	115.574	115.831	116.088	116.345	116.602	116.859	117.116	117.373	117.630	117.887	118.144	118.401	118.658	118.915	119.172	119.429	119.686	119.943	120.200	120.457	120.714	120.971	121.228	121.485	121.742	121.999	122.256	122.513	122.770	123.027	123.284	123.541	123.798	124.055	124.312	124.569	124.826	125.083	125.340	125.597	125.854	126.111	126.368	126.625	126.882	127.139	127.396	127.653	127.910	128.167	128.424	128.681	128.938	129.195	129.452	129.709	129.966	130.223	130.480	130.737	130.994	131.251	131.508	131.765	132.022	132.279	132.536	132.793	133.050	133.307	133.564	133.821	134.078	134.335	134.592	134.849	135.106	135.363	135.620	135.877	136.134	136.391	136.648	136.905	137.162	137.419	137.676	137.933	138.190	138.447	138.704	138.961	139.218	139.475	139.732	139.989	140.246	140.503	140.760	141.017	141.274	141.531	141.788	142.045	142.302	142.559	142.816	143.073	143.330	143.587	143.844	144.101	144.358	144.615	144.872	145.129	145.386	145.643	145.900	146.157	146.414	146.671	146.928	147.185	147.442	147.699	147.956	148.213	148.470	148.727	148.984	149.241	149.498	149.755	150.012	150.269	150.526	150.783	151.040	151.297	151.554	151.811	152.068	152.325	152.582	152.839	153.096	153.353	153.610	153.867	154.124	154.381	154.638	154.895	155.152	155.409	155.666	155.923	156.180	156.437	156.694	156.951	157.208	157.465	157.722	157.979	158.236	158.493	158.750	159.007	159.264	159.521	159.778	160.035	160.292	160.549	160.806	161.063	161.320	161.577	161.834	162.091	162.348	162.605	162.862	163.119	163.376	163.633	163.890	164.147	164.404	164.661	164.918	165.175	165.432	165.689	165.946	166.203	166.460	166.717	166.974	167.231	167.488	167.745	168.002	168.259	168.516	168.773	169.030	169.287	169.544	169.801	170.058	170.315	170.572	170.829	171.086	171.343	171.600	171.857	172.114	172.371	172.628	172.885	173.142	173.399	173.656	173.913	174.170	174.427	174.684	174.941	175.198	175.455	175.712	175.969	176.226	176.483	176.740	176.997	177.254	177.511	177.768	178.025	178.282	178.539	178.796	179.053	179.310	179.567	179.824	180.081	180.338	180.595	180.852	181.109	181.366	181.623	181.880	182.137	182.394	182.651	182.908	183.165	183.422	183.679	183.936	184.193	184.450	184.707	184.964	185.221	185.478	185.735	185.992	186.249	186.506	186.763	187.020	187.277	187.534	187.791	188.048	188.305	188.562	188.819	189.076	189.333	189.590	189.847	190.104	190.361	190.618	190.875	191.132	191.389	191.646	191.903	192.160	192.417	192.674	192.931	193.188	193.445	193.702	193.959	194.216	194.473	194.730	194.987	195.244	195.501	195.758	196.015	196.272	196.529	196.786	197.043	197.300	197.557	197.814	198.071	198.328	198.585	198.842	199.100	199.357	199.614	199.871	200.128	200.385	200.642	200.900	201.157	201.414	201.671	201.928	202.185	202.442	202.700	202.957	203.214	203.471	203.728	203.985	204.242	204.500	204.757	205.014	205.271	205.528	205.785	206.042	206.300	206.557	206.814	207.071	207.328	207.585	207.842	208.100	208.357	208.614	208.871	209.128	209.385	209.642	209.900	210.157	210.414	210.671	210.928	211.185	211.442	211.700	211.957	212.214	212.471	212.728	212.985	213.242	213.500	213.757	214.014	214.271	214.528	214.785	215.042	215.300	215.557	215.814	216.071	216.328	216.585	216.842	217.100	217.357	217.614	217.871	218.128	218.385	218.642	218.900	219.157	219.414	219.671	219.928	220.185	220.442	220.700	220.957	221.214	221.471	221.728	221.985	222.242	222.500	222.757	223.014	223.271	223.528	223.785	224.042	224.300	224.557	224.814	225.071	225.328	225.585	225.842	226.100	226.357	226.614	226.871	227.128	227.385	227.642	227.900	228.157	228.414	228.671	228.928	229.185	229.442	229.700	229.957	230.214	230.471	230.728	230.985	231.242	231.500	231.757	232.014	232.271	232.528	232.785	233.042	233.300	233.557	233.814	234.071	234.328	234.585	234.842	235.100	235.357	235.614	235.871	236.128	236.385	236.642	236.900	237.157	237.414	237.671	237.928	238.185	238.442	238.700	238.957	239.214	239.471	239.728	239.985	240.242	240.500	240.757	241.014	241.271	241.528	241.785	242.042	242.300	242.557	242.814	243.071	243.328	243.585	243.842	244.100	244.357	244.614	244.871	245.128	245.385	245.642	245.900	246.157	246.414	246.671	246.928	247.185	247.442	247.700	247.957	248.214	248.471	248.728	248.985	249.242	249.500	249.757	250.014	250.271	250.528	250.785	251.042	251.300	251.557	251.814	252.071	252.328	252.585	252.842	253.100	253.357	253.614	253.871	254.128	254.385	254.642	254.900	255.157	255.414	255.671	255.928	256.185	256.442	256.700	256.957	257.214	257.471	257.728	257.985	258.242	258.500	258.757	259.014	259.271	259.528	259.785	260.042	260.300	260.557	260.814	261.071	261.328	261.585	261.842	262.100	262.357	262.614	262.871	263.128	263.385	263.642	263.900	264.157	264.414	264.671	264.928	265.185	265.442	265.700	265.957	266.214	266.471	266.728	266.985	267.242	267.500	267.757	268.014	268.271	268.528	268.785	269.042	269.300	269.557	269.814	270.071	270.328	270.585	270.842	271.100	271.357	271.614	271.871	272.128	272.385	272.642	272.900	273.157	273.414	273.671	273.928	274.185	274.442	274.700	274.957	275.214	275.471	275.728	275.985	276.242	276.500	276.757	277.014	277.271	277.528	277.785	278.042	278.300	278.557	278.814	279.071	279.328	279.585	279.842	280.100	280.357	280.614	280.871	281.128	281.385	281.642	281.900	282.157	282.414	282.671	282.928	283.185	283.442	283.700	283.957	284.214	284.471	284.728	284.985	285.242	285.500	285.757	286.014	286.271	286.528	286.785	287.042	287.300	287.557	287.814	288.071	288.328	288.585	288.842	289.100	289.357	289.614	289.871	290.128	290.385	290.642	290.900	291.157	291.414	291.671	291.928	292.185	292.



FROM GRETA

TO BRANXTON

LEGEND

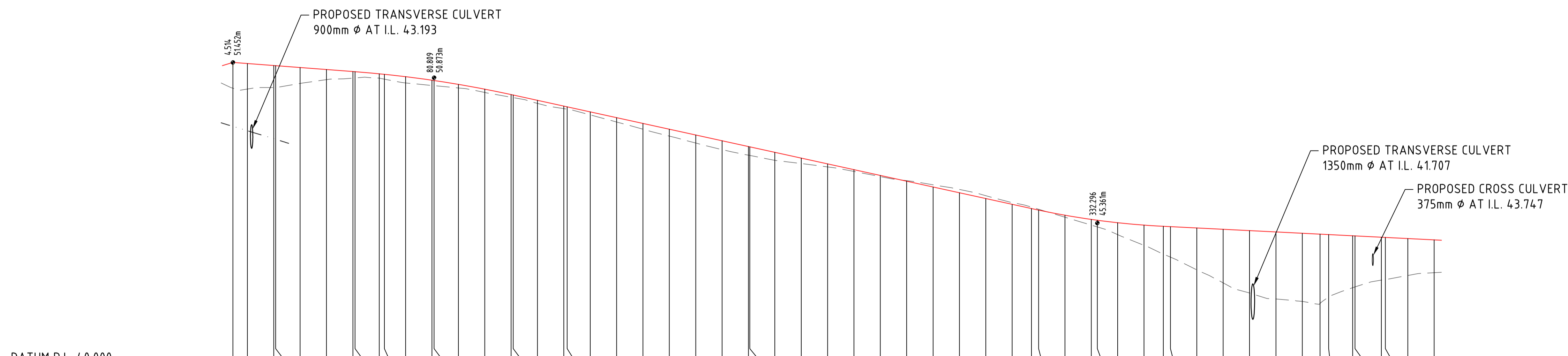
- PROPOSED RAIL LEVEL
- - - - - APPROX. GROUND LEVEL
- · - · - · - APPROX. SANDSTONE LEVEL

NOTES

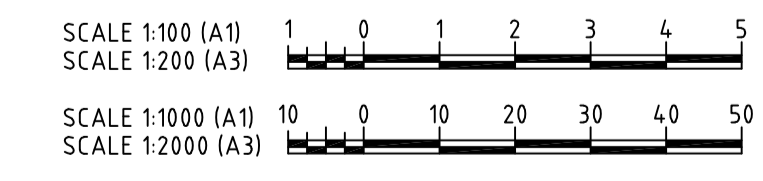
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- LEVELS ARE TO AUSTRALIAN HEIGHT DATUM (A.H.D)
- ALL LEVELS AND STATIONS ARE EXPRESSED IN METRES

REFERENCES

- FOR PLAN ALIGNMENT REFER TO DWG GTSF-DG-ROD-CV-0101 TO 0109



STATION	EXISTING LEVELS	DESIGN LEVELS	HORIZONTAL ALIGNMENT	VERTICAL ALIGNMENT
0.000	50.674	51.452	R=-1500.000	G=-0.758% L=46.295
4.514	50.443	51.410		
10.000	50.499	51.334	R=-1500.000	G=-0.758% L=46.295
20.000	50.499	51.329		
30.000	50.655	51.258	R=-1500.000	L=60.000
40.000	50.800	51.183		
50.000	50.887	51.107	R=-1500.000	G=-2.192% L=196.487
50.809	50.863	51.101		
60.000	50.853	51.021	R=-1500.000	G=-2.192% L=196.487
61.967	50.816	51.001		
70.000	50.675	50.911	R=-1500.000	L=50.000
80.000	50.578	50.778		
80.809	50.571	50.766	R=-1500.000	L=50.000
90.000	50.485	50.620		
100.000	50.313	50.439	R=-1500.000	G=-0.500% L=105.497
110.000	50.132	50.233		
120.000	49.897	50.014	R=-1500.000	G=-0.500% L=105.497
130.000	49.689	49.785		
131.240	49.680	49.768	R=90.000	G=-0.500% L=105.497
140.000	49.462	49.576		
150.000	49.194	49.357	R=90.000	G=-0.500% L=105.497
160.000	48.919	49.138		
170.000	48.658	48.918	R=90.000	G=-0.500% L=105.497
180.000	48.395	48.699		
190.000	48.146	48.480	R=90.000	G=-0.500% L=105.497
200.000	47.935	48.261		
200.513	47.925	48.250	R=90.000	G=-0.500% L=105.497
210.000	47.739	48.042		
220.000	47.618	47.823	R=90.000	G=-0.500% L=105.497
230.000	47.490	47.603		
240.000	47.318	47.384	R=90.000	G=-0.500% L=105.497
250.000	47.122	47.165		
260.000	46.969	46.946	R=90.000	G=-0.500% L=105.497
270.000	46.813	46.727		
280.000	46.636	46.508	R=90.000	G=-0.500% L=105.497
290.000	46.399	46.288		
300.000	46.136	46.069	R=90.000	G=-0.500% L=105.497
307.296	45.966	45.909		
310.000	45.885	45.851	R=90.000	G=-0.500% L=105.497
320.000	45.583	45.658		
330.000	45.283	45.499	R=90.000	G=-0.500% L=105.497
332.296	45.214	45.467		
340.000	44.921	45.374	R=90.000	G=-0.500% L=105.497
350.000	44.517	45.282		
357.296	44.185	45.236	R=90.000	G=-0.500% L=105.497
360.000	44.068	45.223		
370.000	43.586	45.173	R=90.000	G=-0.500% L=105.497
380.000	43.091	45.123		
390.000	42.709	45.073	R=90.000	G=-0.500% L=105.497
400.000	42.479	45.023		
410.000	42.391	44.973	R=90.000	G=-0.500% L=105.497
416.735	42.312	44.939		
420.000	42.554	44.923	R=90.000	G=-0.500% L=105.497
428.116	42.941	44.878		
430.000	42.812	44.873	R=90.000	G=-0.500% L=105.497
440.000	43.196	44.823		
441.497	43.219	44.816	R=90.000	G=-0.500% L=105.497
450.000	43.372	44.773		
460.000	43.477	44.723	R=90.000	G=-0.500% L=105.497
462.196	43.497	44.723		



No	DATE	DRAFTING CHECK	DESIGN REVIEW	REV'D P.MGR	APP'D P.DIR	80% DETAIL DESIGN
A	30.09.10					



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CLIENT PACIFIC NATIONAL		PROJECT GRETA TRAIN SUPPORT FACILITY	
DRAFTER FS	DRAFTING CHECK DT	REVIEWED PROJECT MANAGER	APPROVED PROJECT DIRECTOR
DESIGNED PD	DESIGN REVIEW LM		

TITLE LONGITUDINAL SECTION - ACCESS No.2 (MC210) SHEET 1			
SCALE 1:1000H & 1:100V	SKM PROJECT No NB11248	DRAWING No GTSF-DG-ROD-CV-0205	AMDT A

Plot Date: 01 Oct 2010 @ 11:21:04. Login Name: Tsulaman. Cad File: I:\WB\Projects\WB8071 - Greta Stabling\Area\Deliverables\Drawings\01 - Civil\DWG\GTSF-ROD-CV\GTSF-DG-ROD-CV-0201\_0205.dwg



FROM GRETA

TO BRANXTON

**LEGEND**

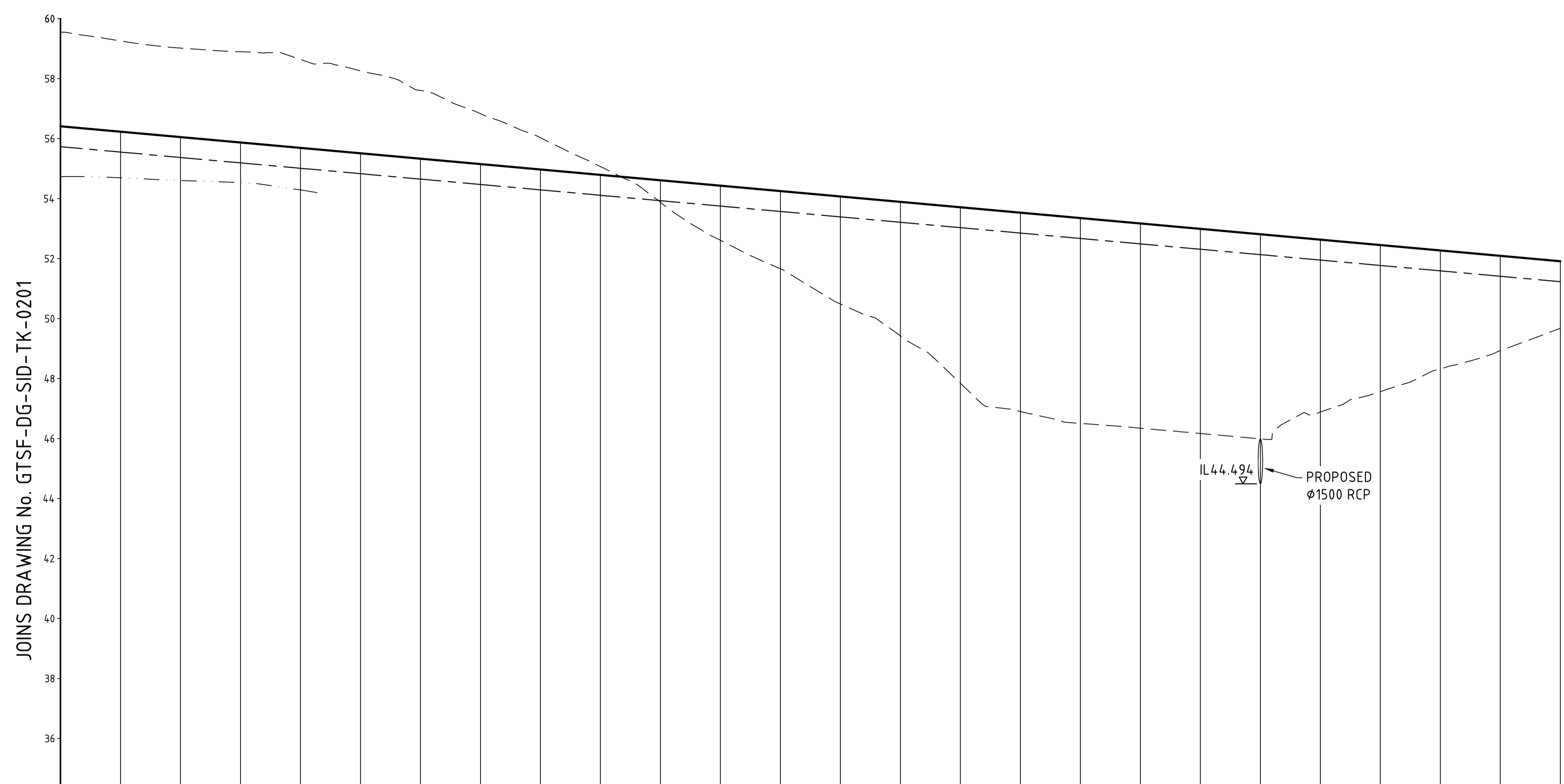
- PROPOSED RAIL LEVEL
- - - PROPOSED FORMATION LEVEL
- - - - - APPROX. GROUND LEVEL
- - - - - APPROX. SANDSTONE LEVEL

**NOTES**

1. LEVELS ARE TO AUSTRALIAN HEIGHT DATUM (A.H.D)
2. ALL LEVELS AND KILOMETERAGES ARE EXPRESSED IN METRES.
3. ALL SIDING TRACKWORK TO BE CONSTRUCTED TO CLASS 1XC WITH 250mm MIN. BALLAST DEPTH.
4. MAINLINE CONNECTION TO BE CONSTRUCTED TO CLASS 1XC WITH 300mm BALLAST DEPTH.

**REFERENCES**

1. FOR TYPICAL CROSS SECTIONAL DETAILS REFER TO DWG GTSF-DG-SID-TK-0011 AND 0012.
2. FOR PROPOSED HORIZONTAL ALIGNMENT AND TRACK SETTING OUT DETAILS REFER TO DWG GTSF-DG-SID-TK-0101 TO 0110.
3. FOR PROPOSED TRACK SETTING OUT DETAILS OF MAINLINE TURNOUTS REFER TO DWG GTSF-DG-ART-TK-0013 AND 0014.
4. FOR PROPOSED TRACK SETTING OUT DETAILS OF SIDING TURNOUTS AND CATCH POINTS REFER TO DWG GTSF-DG-SID-TK-0301 TO 0305.
5. FOR PROPOSED VERTICAL ALIGNMENT DETAILS REFER TO DWG GTSF-DG-SID-TK-0201 TO 0252.
6. FOR TRACK SLAB DETAILS REFER TO CONCRETE TRACK SLAB FOR 60KG - DWG PN SK 001.
7. FOR DELKOR ALT1 FASTENER DETAILS REFER TO DWG RF 0.9.192 CLA

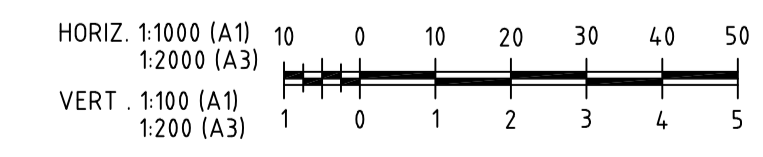


PRD 1

JOINS DRAWING No. GTSF-DG-SID-TK-0201

JOINS DRAWING No. GTSF-DG-SID-TK-0203

KILOMETRAGE	500.000	520.000	540.000	560.000	580.000	600.000	620.000	640.000	660.000	680.000	700.000	720.000	740.000	760.000	780.000	800.000	820.000	840.000	860.000	880.000	900.000	920.000	940.000	960.000	980.000	1000.000		
PROPOSED VERTICAL DESIGN	L 1350.000 Slp - 0.9000%																											
VERTICAL CARDINAL																												
PROPOSED LOW RAIL LEVELS	56.412	56.232	56.052	55.872	55.692	55.512	55.332	55.152	54.972	54.792	54.612	54.432	54.252	54.072	53.892	53.712	53.532	53.352	53.172	52.992	52.812	52.632	52.452	52.272	52.092	51.912		
PROPOSED FILL											0.731	1.816	2.589	3.585	4.471	5.866	6.628	6.849	6.826	6.821	6.822	5.748	4.886	3.947	3.160	2.233		
PROPOSED CUT	3.135	3.028	2.966	3.025	2.951	2.751	2.276	1.680	1.059	0.279																		
APPROX GROUND LEVEL	59.547	59.260	59.018	58.897	58.643	58.263	57.608	56.832	56.031	55.071	53.881	52.616	51.663	50.487	49.471	47.846	46.904	46.503	46.346	46.171	45.990	46.884	47.566	48.325	48.932	49.679		
HORIZONTAL ALIGNMENT	RAD 1366.149 ARC 745.418																											
HORIZONTAL CARDINAL																												



No	DATE	DRAFTING CHECK	DESIGN REVIEW	REV'D P.MGR	APP'D P.DIR	80% DETAIL DESIGN
						AMENDMENT



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CLIENT	PACIFIC NATIONAL		
PROJECT	GRETA TRAIN SUPPORT FACILITY		
DRAFTER	GKG	DRAFTING CHECK	DT
DESIGNED	RS	DESIGN REVIEW	GM
REVIEWED PROJECT MANAGER			APPROVED PROJECT DIRECTOR

TITLE	PRD 1 VERTICAL ALIGNMENT SHEET 2		
SCALE	1:1000H & 1:100V	SKM PROJECT No	NB11248
DRAWING No	GTSF-DG-SID-TK-0202		AMDT
			A

FROM GRETA

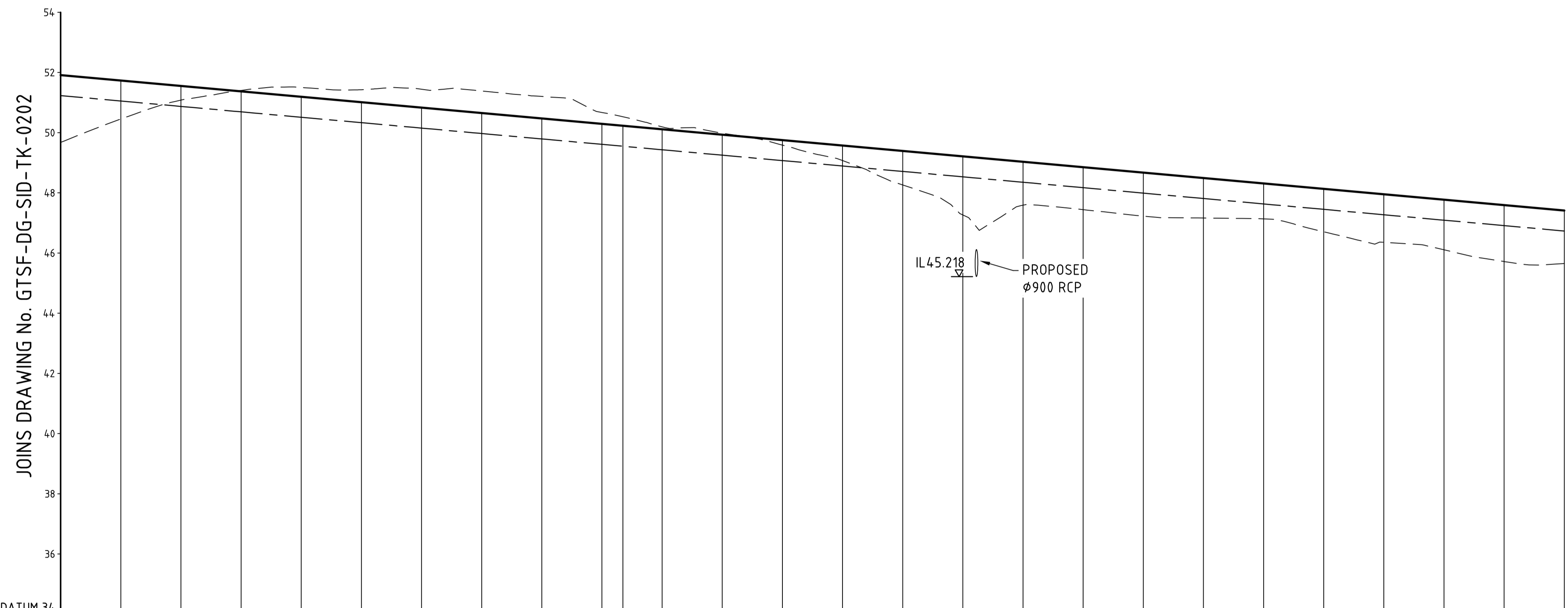
TO BRANXTON

**LEGEND**

- PROPOSED RAIL LEVEL
- PROPOSED FORMATION LEVEL
- APPROX. GROUND LEVEL
- APPROX. SANDSTONE LEVEL

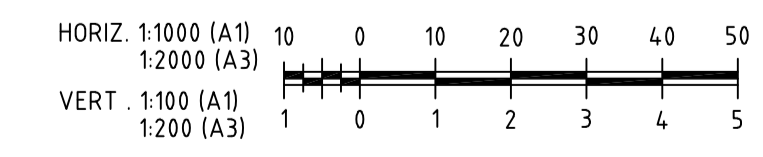
- NOTES**
- LEVELS ARE TO AUSTRALIAN HEIGHT DATUM (A.H.D)
  - ALL LEVELS AND KILOMETERAGES ARE EXPRESSED IN METRES.
  - ALL SIDING TRACKWORK TO BE CONSTRUCTED TO CLASS 1XC WITH 250mm MIN. BALLAST DEPTH.
  - MAINLINE CONNECTION TO BE CONSTRUCTED TO CLASS 1XC WITH 300mm BALLAST DEPTH.

- REFERENCES**
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  - FOR PROPOSED HORIZONTAL ALIGNMENT AND TRACK SETTING OUT DETAILS REFER TO DWG GTSF-DG-SID-TK-0101 TO 0110.
  - FOR PROPOSED TRACK SETTING OUT DETAILS OF MAINLINE TURNOUTS REFER TO DWG GTSF-DG-ART-TK-0013 AND 0014.
  - FOR PROPOSED TRACK SETTING OUT DETAILS OF SIDING TURNOUTS AND CATCH POINTS REFER TO DWG GTSF-DG-SID-TK-0301 TO 0305.
  - FOR PROPOSED VERTICAL ALIGNMENT DETAILS REFER TO DWG GTSF-DG-SID-TK-0201 TO 0252.
  - FOR TRACK SLAB DETAILS REFER TO CONCRETE TRACK SLAB FOR 60KG - DWG PN SK 001.
  - FOR DELKOR ALT1 FASTENER DETAILS REFER TO DWG RF 0.9.192 CLA



PRD 1

DATUM	34
KILOMETRAGE	0.000, 0.200, 0.400, 0.600, 0.800, 1.000, 1.200, 1.400, 1.600, 1.800, 1.86.951, 2.000, 2.200, 2.400, 2.600, 2.800, 3.000, 3.200, 3.400, 3.600, 3.800, 4.000, 4.200, 4.400, 4.600, 4.800, 5.000
PROPOSED VERTICAL DESIGN	L 1350.000 Slp -0.900%
VERTICAL CARDINAL	
PROPOSED LOW RAIL LEVELS	51.912, 51.732, 51.552, 51.372, 51.192, 51.012, 50.832, 50.652, 50.472, 50.292, 50.229, 50.112, 49.932, 49.752, 49.572, 49.392, 49.212, 49.032, 48.852, 48.672, 48.492, 48.312, 48.132, 47.952, 47.772, 47.592, 47.412
PROPOSED FILL	2.233, 1.278, 0.470, 0.032, 0.309, 0.416, 0.613, 0.734, 0.733, 0.379, 0.301, 0.081, 0.048, 0.164, 0.498, 1.129, 1.947, 1.442, 1.409, 1.445, 1.329, 1.176, 1.425, 1.596, 1.665, 1.874, 1.760
PROPOSED CUT	
APPROX GROUND LEVEL	49.619, 50.454, 51.082, 51.404, 51.501, 51.428, 51.445, 51.386, 51.205, 50.671, 50.530, 50.193, 49.980, 49.588, 49.074, 48.263, 47.265, 47.590, 47.443, 47.227, 47.163, 47.136, 46.707, 46.356, 46.107, 45.718, 45.652
HORIZONTAL ALIGNMENT	RAD 1366.149 ARC 745.418  L 650.000
HORIZONTAL CARDINAL	TP 186.951



Plot Date: 01 Oct 2010 @ 16:48:27 Login Name: hggan Cad File: D:\DOCUME~1\hggan\LOCALS~1\Temp\kPublish\_5972\GTSF-DG-SID-TK-0201\_0206.dwg

A	01.10.10					80% DETAIL DESIGN
No	DATE	DRAFTING CHECK	DESIGN REVIEW	REV'D P.MGR	APP'D P.DIR	AMENDMENT



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100 Christie Street  
St Leonards  
NSW 2065 Australia  
Telephone: 02 9928 2100  
Facsimile: 02 9928 2500

CLIENT PACIFIC NATIONAL		PROJECT GRETA TRAIN SUPPORT FACILITY	
DRAFTER GKG	DRAFTING CHECK DT	REVIEWED PROJECT MANAGER	APPROVED PROJECT DIRECTOR
DESIGNED RS	DESIGN REVIEW GM		

TITLE PRD 1 VERTICAL ALIGNMENT SHEET 3			
SCALE 1:1000H & 1:100V	SKM PROJECT No NB11248	DRAWING No GTSF-DG-SID-TK-0203	AMDT A

FROM GRETA

TO BRANXTON

LEGEND

- PROPOSED RAIL LEVEL
- - - PROPOSED FORMATION LEVEL
- - - - - APPROX. GROUND LEVEL
- - - - - APPROX. SANDSTONE LEVEL

NOTES

- LEVELS ARE TO AUSTRALIAN HEIGHT DATUM (A.H.D)
- ALL LEVELS AND KILOMETERAGES ARE EXPRESSED IN METRES.
- ALL SIDING TRACKWORK TO BE CONSTRUCTED TO CLASS 1XC WITH 250mm MIN. BALLAST DEPTH.
- MAINLINE CONNECTION TO BE CONSTRUCTED TO CLASS 1XC WITH 300mm BALLAST DEPTH.

REFERENCES

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- FOR PROPOSED TRACK SETTING OUT DETAILS OF SIDING TURNOUTS AND CATCH POINTS REFER TO DWG GTSF-DG-SID-TK-0301 TO 0305.
- FOR PROPOSED VERTICAL ALIGNMENT DETAILS REFER TO DWG GTSF-DG-SID-TK-0201 TO 0252.
- FOR TRACK SLAB DETAILS REFER TO CONCRETE TRACK SLAB FOR 60KG - DWG PN SK 001.
- FOR DELKOR ALT1 FASTENER DETAILS REFER TO DWG RF 0.9.192 CLA

JOINS DRAWING No. GTSF-DG-SID-TK-0203

JOINS DRAWING No. GTSF-DG-SID-TK-0205

PRD 1

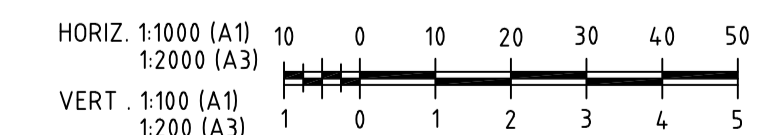
PROVISIONING FACILITY

IL 40.573  
PROPOSED Ø1350 RCP

JP 1.857.956  
RL 44.190

DATUM 34

KILOMETRAGE	500.000	520.000	540.000	560.000	580.000	600.000	620.000	640.000	660.000	680.000	700.000	720.000	740.000	760.000	780.000	800.000	820.000	836.951	837.956	840.000	856.951	860.000	877.956	880.000	900.000	920.000	940.000	960.000	980.000	982.073	997.956	1000.000		
PROPOSED VERTICAL DESIGN																			L 1350.000 Slp -0.900%		L 40.000 RAD 4444.444		L 120.000 Slp 0.000%		L 20.000 RAD 4000.000									
VERTICAL CARDINAL																			SVC 837.956		EVC 877.956		SVC 997.956											
PROPOSED LOW RAIL LEVELS	47.412	47.232	47.052	46.872	46.692	46.512	46.332	46.152	45.972	45.792	45.612	45.432	45.252	45.072	44.892	44.712	44.532	44.370	44.370	44.352	44.240	44.226	44.190	44.190	44.190	44.190	44.190	44.190	44.190	44.189	44.189			
PROPOSED FILL	1.760	1.462	1.426	1.818	1.968	1.880	1.877	2.210	2.794	3.797	4.066	3.081	2.441	1.577	1.034	0.924	0.774	0.657	0.653	0.646	0.646	0.652	0.730	0.764	1.084	1.431	1.973	2.492	3.332	3.405	3.618	3.672		
PROPOSED CUT																																		
APPROX GROUND LEVEL	45.652	45.770	45.626	45.054	44.724	44.632	44.455	43.942	43.178	41.995	41.546	42.351	42.811	43.495	43.858	43.788	43.758	43.722	43.717	43.706	43.594	43.574	43.460	43.428	43.106	42.759	42.277	41.698	40.858	40.785	40.572	40.517		
HORIZONTAL ALIGNMENT	L 650.000																		RAD 1800.000 ARC 20.000		L 125.122		RAD 600.000 ARC 40.556											
HORIZONTAL CARDINAL																			TP 836.951		TP 856.951		TP 982.073											



No	DATE	DRAFTING CHECK	DESIGN REVIEW	REV'D P.MGR	APP'D P.DIR	80% DETAIL DESIGN
						AMENDMENT



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CLIENT	PACIFIC NATIONAL		
PROJECT	GRETA TRAIN SUPPORT FACILITY		
DRAFTER	GKG	DRAFTING CHECK	DT
DESIGNED	RS	REVIEWED PROJECT MANAGER	APPROVED PROJECT DIRECTOR

TITLE	PRD 1 VERTICAL ALIGNMENT SHEET 4		
SCALE	1:1000H & 1:100V	SKM PROJECT No	NB11248
DRAWING No	GTSF-DG-SID-TK-0204		AMDT
			A

Plot Date: 01 Oct 2010 @ 16:48:28 Login Name: kggan Cad File: D:\DOCU\ME\1\kggan\LOCALS\1\Temp\kPublish\_5972\GTSF-DG-SID-TK-0203\_0206.dwg

FROM GRETA

TO BRANXTON

LEGEND

- PROPOSED RAIL LEVEL
- - - PROPOSED FORMATION LEVEL
- - - - - APPROX. GROUND LEVEL
- - - - - APPROX. SANDSTONE LEVEL

NOTES

- LEVELS ARE TO AUSTRALIAN HEIGHT DATUM (A.H.D)
- ALL LEVELS AND KILOMETERAGES ARE EXPRESSED IN METRES.
- ALL SIDING TRACKWORK TO BE CONSTRUCTED TO CLASS 1XC WITH 250mm MIN. BALLAST DEPTH.
- MAINLINE CONNECTION TO BE CONSTRUCTED TO CLASS 1XC WITH 300mm BALLAST DEPTH.

REFERENCES

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- FOR PROPOSED HORIZONTAL ALIGNMENT AND TRACK SETTING OUT DETAILS REFER TO DWG GTSF-DG-SID-TK-0101 TO 0110.
- FOR PROPOSED TRACK SETTING OUT DETAILS OF MAINLINE TURNOUTS REFER TO DWG GTSF-DG-ART-TK-0013 AND 0014.
- FOR PROPOSED TRACK SETTING OUT DETAILS OF SIDING TURNOUTS AND CATCH POINTS REFER TO DWG GTSF-DG-SID-TK-0301 TO 0305.
- FOR PROPOSED VERTICAL ALIGNMENT DETAILS REFER TO DWG GTSF-DG-SID-TK-0201 TO 0252.
- FOR TRACK SLAB DETAILS REFER TO CONCRETE TRACK SLAB FOR 60KG - DWG PN SK 001.
- FOR DELKOR ALT1 FASTENER DETAILS REFER TO DWG RF 0.9.192 CLA

FXR4  
PRD 1

EXISTING DOWN MAIN

9 PTS STANDARD TANGENTIAL 300.9 TURNOUT

10 PTS FLEXED TANGENTIAL 1200:18.5 TURNOUT

APPROX. LAST LONG BEARER AT 2km 219.000 (PRD 1)

TOEP AT 2km 227.154 (PRD 1)

XING AT 2km 231.041 (PRD 1)

TOTP OF 9 PTS AT 2km 260.385 (PRD 1)

PB CATCHPOINT AT 2km 380.000 (PRD 1)

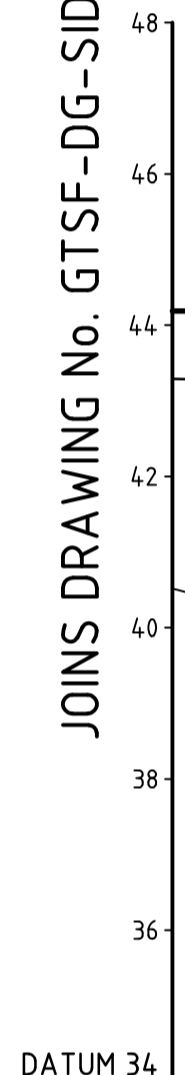
APPROX. LAST LONG BEARER AT 0km 04.85.000 (PRD1)

TOEP AT 0km 4.99.755 (PRD 1)

JOINS DRAWING No. GTSF-DG-SID-TK-0206

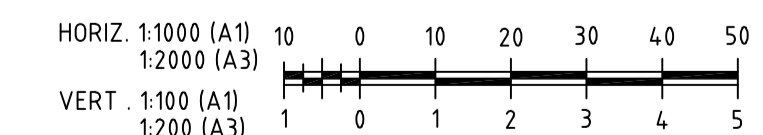
PRD 1

JOINS DRAWING No. GTSF-DG-SID-TK-0204



DATUM 34

KILOMETRAGE	2km	017.956	020.000	022.629	040.000	060.000	080.000	092.956	100.000	112.956	120.000	140.000	160.000	180.000	200.000	219.000	220.000	227.154	231.041	240.000	260.000	260.385	280.000	300.000	300.951	320.000	340.000	347.956	350.951	360.000	367.956	380.000	400.000	410.155	420.000	440.000	460.000	480.000	484.546	485.000	499.755	500.000		
PROPOSED VERTICAL DESIGN	L 20.000 RAD 4000.000		L 75.000 Sip -0.500%				L 20.000 RAD 3893.678				L 235.000 Sip 0.014%												L 20.000 RAD 2630.573		L 196.167 Sip 0.774%																			
VERTICAL CARDINAL	EVC 017.956		SVC 092.956				EVC 112.956				SVC 347.956																				EVC 367.956													
PROPOSED LOW RAIL LEVELS	44.189	44.140	44.130	44.117	44.030	43.930	43.830	43.765	43.736	43.716	43.717	43.720	43.723	43.726	43.728	43.731	43.731	43.732	43.733	43.734	43.736	43.737	43.739	43.742	43.742	43.745	43.747	43.748	43.751	43.778	43.827	43.920	44.075	44.154	44.230	44.385	44.540	44.694	44.730	44.733	44.847	44.849		
PROPOSED FILL	3.672	4.219	4.279	4.371	4.846	5.461	6.399	7.322	8.149	8.886	8.831	7.187	6.050	4.938	4.136	3.473	3.250	3.252	3.121	2.842	2.277	2.266	1.719	1.139	1.105	0.399	0.381	0.774	0.880	1.287	1.607	0.808	0.683	1.459	2.115	1.202	1.134	1.079	1.070	1.068	0.487	0.472		
PROPOSED CUT																																												
APPROX GROUND LEVEL	40.517	39.971	39.851	39.746	39.184	38.469	37.431	36.443	35.587	34.830	34.886	36.533	37.673	38.788	39.592	40.258	40.281	40.480	40.611	40.892	41.159	41.470	42.020	42.603	42.637	43.346	44.128	44.522	44.631	45.065	45.434	44.728	43.392	42.695	42.115	43.183	43.406	43.615	43.660	43.665	44.360	44.371		
HORIZONTAL ALIGNMENT	RAD 600.000 ARC 40.556		L 278.322																		RAD 650.000 ARC 50.000		L 59.204		RAD 700.000 ARC 74.391		RAD 921.597 ARC 80.000																	
HORIZONTAL CARDINAL	TP 022.629																				TP 300.951		TP 350.951		TP 410.955		CTP 484.546																	



Plot Date: 01 Oct 2010 @ 16:48:29 Login Name: kggan Cad File: D:\DOCUME~1\kggan\LOCALS~1\Temp\kPublish\_5972\GTSF-DG-SID-TK-0204\_0206.dwg

A	01.10.10					80% DETAIL DESIGN
No	DATE	DRAFTING CHECK	DESIGN REVIEW	REV'D P.MGR	APP'D P.DIR	AMENDMENT



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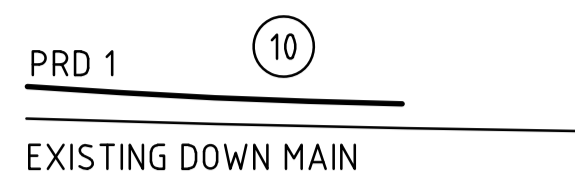
**SKM** A.C.N 001 024 098  
Sinclair Knight Merz Pty. Ltd  
100 Christie Street  
St Leonards  
NSW 2065 Australia  
Telephone: 02 9928 2100  
Facsimile: 02 9928 2500

CLIENT	PACIFIC NATIONAL		
PROJECT	GRETA TRAIN SUPPORT FACILITY		
DRAFTER	GKG	DRAFTING CHECK	DT
DESIGNED	RS	DESIGN REVIEW	GM
REVIEWED PROJECT MANAGER			
APPROVED PROJECT DIRECTOR			

TITLE	PRD 1 VERTICAL ALIGNMENT SHEET 5		
SCALE	1:1000H & 1:100V	SKM PROJECT No NB11248	DRAWING No GTSF-DG-SID-TK-0205
AMDT	A		

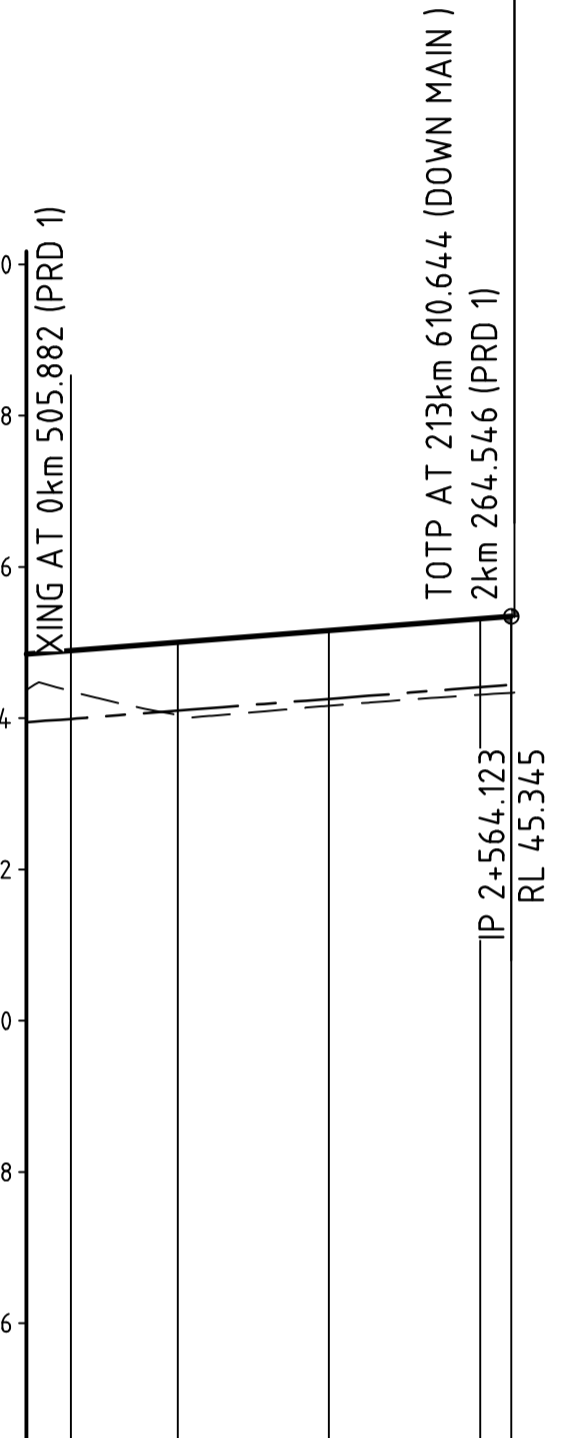
FROM GRETA

TO BRANXTON



10 PTS FLEXED TANGENTIAL 1200:18.5 TURNOUT

JOINS DRAWING No. GTSF-DG-SID-TK-0205



**LEGEND**

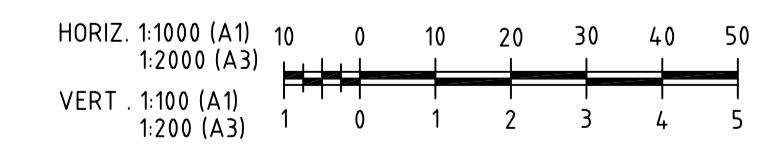
	PROPOSED RAIL LEVEL
	PROPOSED FORMATION LEVEL
	APPROX. GROUND LEVEL
	APPROX. SANDSTONE LEVEL

- NOTES**
- LEVELS ARE TO AUSTRALIAN HEIGHT DATUM (A.H.D)
  - ALL LEVELS AND KILOMETERAGES ARE EXPRESSED IN METRES.
  - ALL SIDING TRACKWORK TO BE CONSTRUCTED TO CLASS 1XC WITH 250mm MIN. BALLAST DEPTH.
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  - FOR PROPOSED HORIZONTAL ALIGNMENT AND TRACK SETTING OUT DETAILS REFER TO DWG GTSF-DG-SID-TK-0101 TO 0110.
  - FOR PROPOSED TRACK SETTING OUT DETAILS OF MAINLINE TURNOUTS REFER TO DWG GTSF-DG-ART-TK-0013 AND 0014.
  - FOR PROPOSED TRACK SETTING OUT DETAILS OF SIDING TURNOUTS AND CATCH POINTS REFER TO DWG GTSF-DG-SID-TK-0301 TO 0305.
  - FOR PROPOSED VERTICAL ALIGNMENT DETAILS REFER TO DWG GTSF-DG-SID-TK-0201 TO 0252.
  - FOR TRACK SLAB DETAILS REFER TO CONCRETE TRACK SLAB FOR 60KG - DWG PN SK 001.
  - FOR DELKOR ALT1 FASTENER DETAILS REFER TO DWG RF 0.9.192 CLA

PRD 1

DATUM 34	500.000	505.882	520.000	540.000	560.000	564.123	564.546
KILOMETRAGE	500.000	505.882	520.000	540.000	560.000	564.123	564.546
PROPOSED VERTICAL DESIGN							
VERTICAL CARDINAL	TP 564.123						
PROPOSED LOW RAIL LEVELS	44.849	44.895	45.004	45.159	45.314	45.345	
PROPOSED FILL	0.472		0.963	0.995	1.004	1.009	
PROPOSED CUT							
APPROX GROUND LEVEL	44.377	44.041	44.164	44.310	44.336	44.338	
HORIZONTAL ALIGNMENT	RAD 921597 ARC60.000						
HORIZONTAL CARDINAL							



Plot Date: 01 Oct 2010 @ 16:48:23 Login Name: hggan Cad File: D:\DOCUMENTS\hggan\LOCALS\1\Temp\AcPublish\_5972\GTSF-DG-SID-TK-0205\_0206.dwg

A	01.10.10					80% DETAIL DESIGN
No	DATE	DRAFTING CHECK	DESIGN REVIEW	REV'D P.MGR	APP'D P.DIR	AMENDMENT



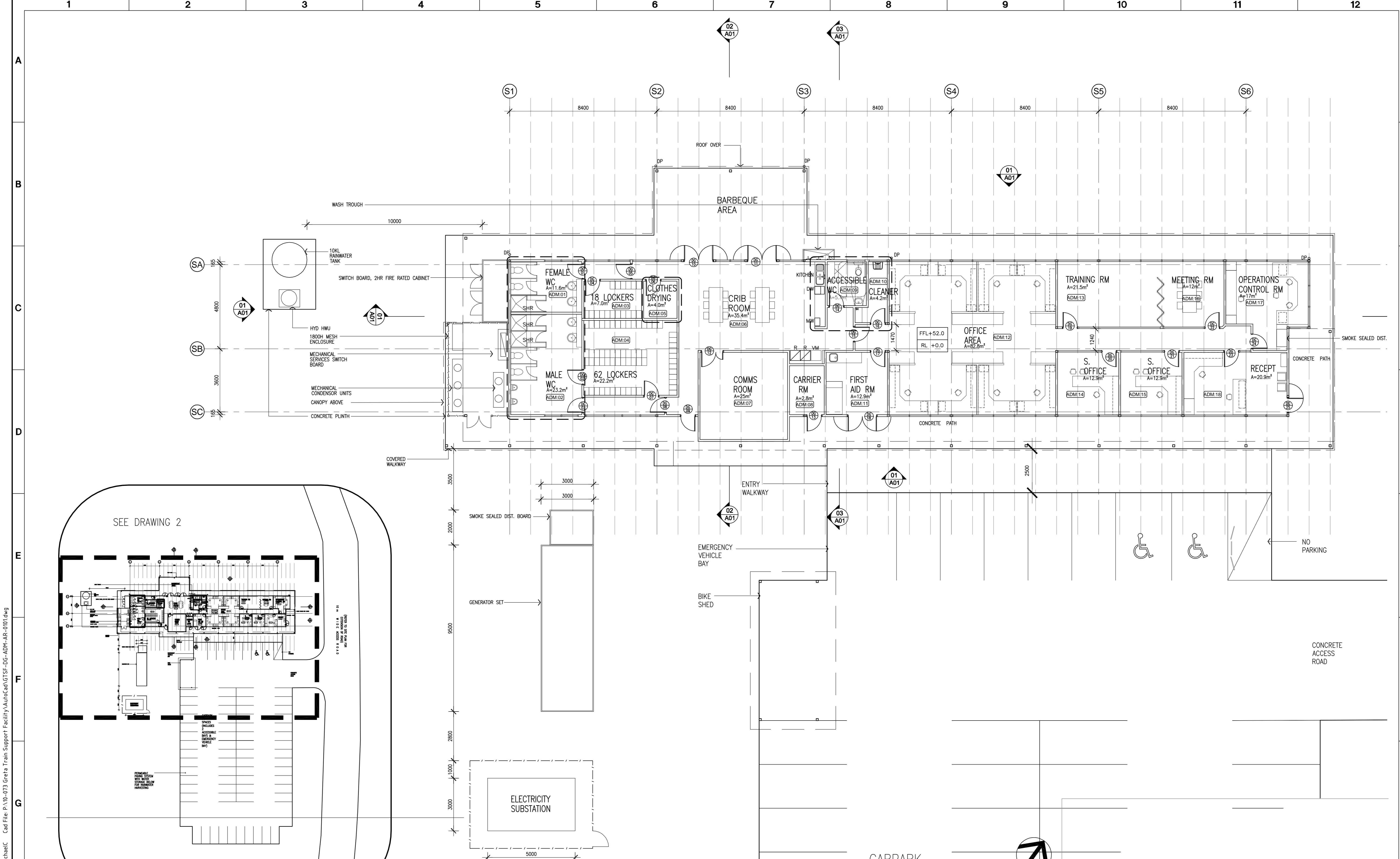
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**SKM** A.C.N 001 024 098  
Sinclair Knight Merz Pty. Ltd  
100 Christie Street  
St Leonards  
NSW 2065 Australia  
Telephone: 02 9928 2100  
Facsimile: 02 9928 2500

CLIENT PACIFIC NATIONAL			
PROJECT GRETA TRAIN SUPPORT FACILITY			
DRAFTER GKG	DRAFTING CHECK DT	REVIEWED PROJECT MANAGER	APPROVED PROJECT DIRECTOR
DESIGNED RS	DESIGN REVIEW GM		

TITLE PRD 1 VERTICAL ALIGNMENT SHEET 6			
SCALE 1:1000H & 1:100V	SKM PROJECT No NB11248	DRAWING No GTSF-DG-SID-TK-0206	AMDT A





01 ADMINISTRATION AMENITIES - SITE PLAN  
1:500

02 ADMINISTRATION AMENITIES - PLAN  
1:100

NOT FOR CONSTRUCTION

Plot Date: 07 Oct 2010 @ 12:33:41 Login Name: MichaelC Cad File: P:\10-073 Greia Train Support Facility\AutoCAD\GTSF-DG-ADM-AR-0101.dwg

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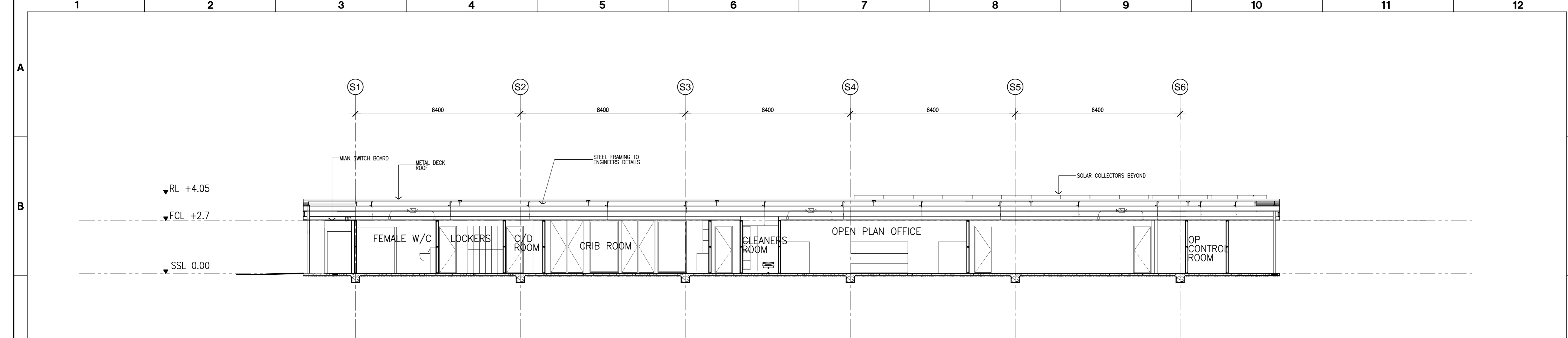


**CALDIS ARCHITECTS**  
 LEVEL 2,  
 45 CHIPPEN STREET  
 CHIPPENDALE  
 NSW 2008  
 TEL: (02) 9557 5066  
 FAX: (02) 9557 4066  
 ACN: 051302900  
 Website: www.caldiscook.com  
 Email: projects@caldiscook.com

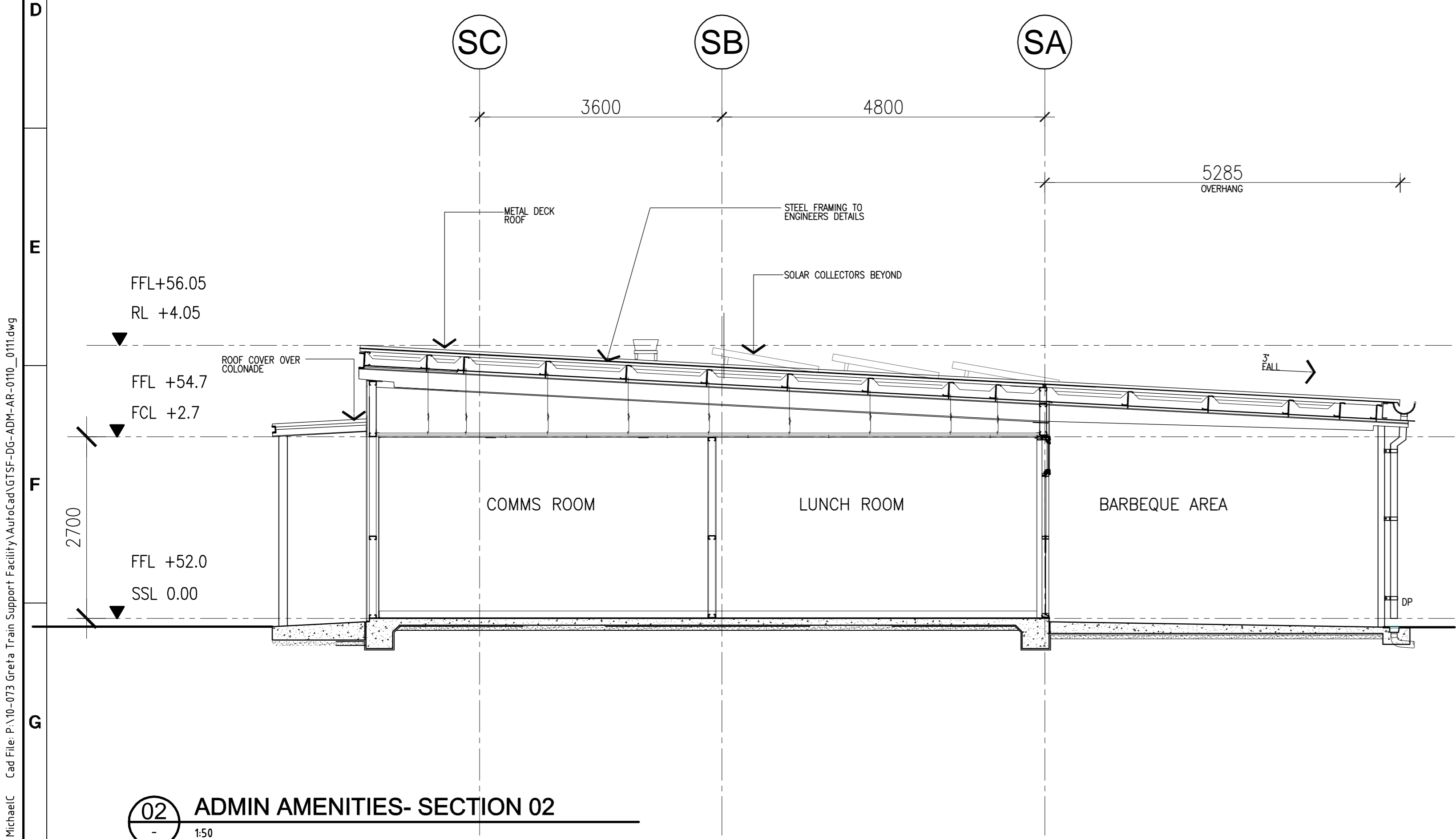
ACN 051 302 900

CLIENT PACIFIC NATIONAL			
PROJECT GRETA TRAIN SUPPORT FACILITY			
DRAFTER PK	DRAFTING CHECK	REVIEWED PROJECT MANAGER	APPROVED PROJECT DIRECTOR
DESIGNED	DESIGN REVIEW		

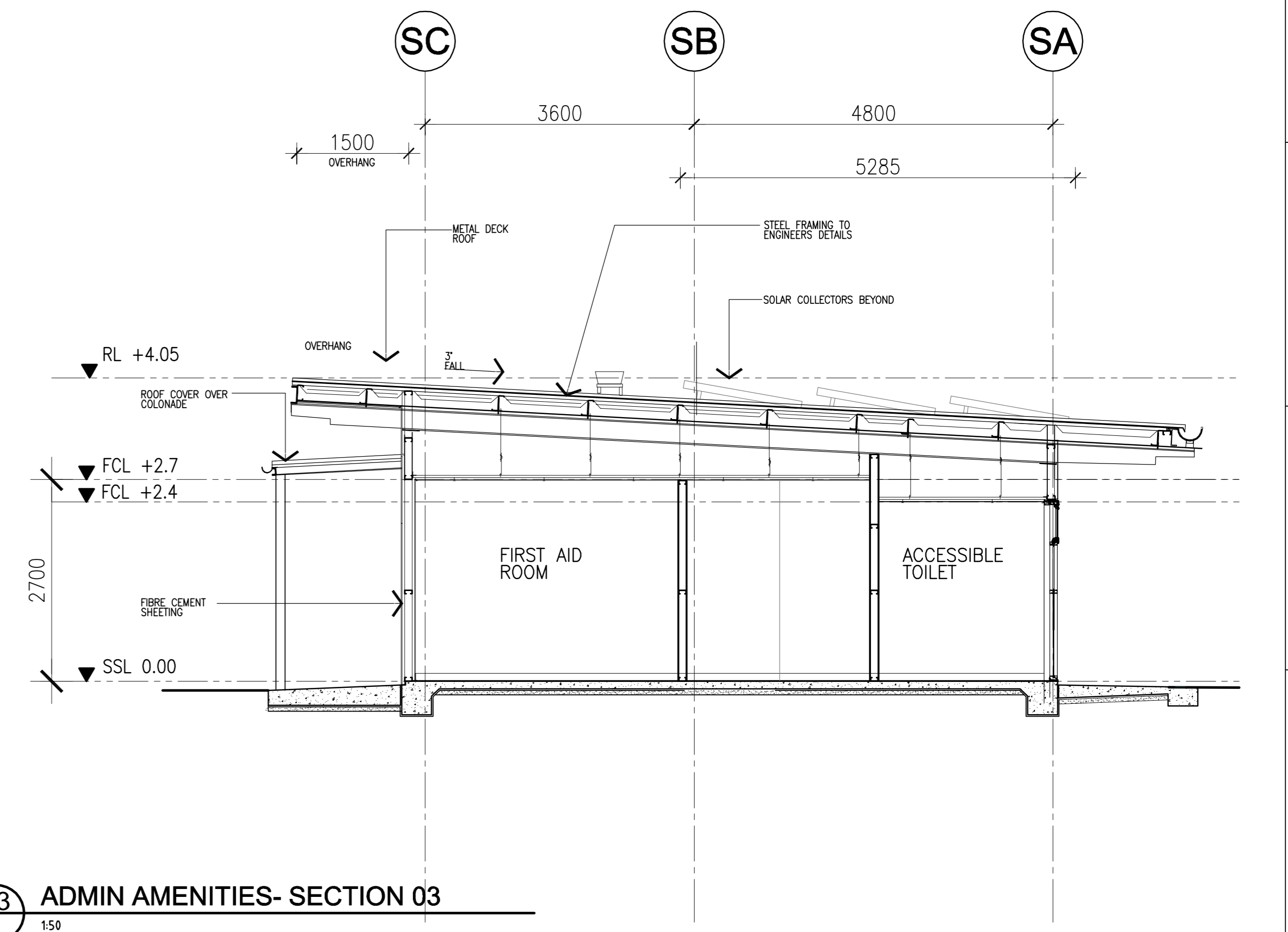
TITLE ADMINISTRATION/ AMENITIES FACILITY SITE PLAN & FLOOR PLAN			
SCALE AS SHOWN	SKM PROJECT No NB11248	DRAWING No GTSF-DG-ADM-AR-0101	AMDT A



**01 ADMIN AMENITIES- SECTION 01**  
1:100



**02 ADMIN AMENITIES- SECTION 02**  
1:50



**03 ADMIN AMENITIES- SECTION 03**  
1:50

NOT FOR CONSTRUCTION

Plot Date: 07 Oct 2010 @ 12:34:23 Login Name: MichaelC Cad File: P:\10-073 Greta Train Support Facility\AutoCad\GTSF-DG-ADM-AR-0111.dwg

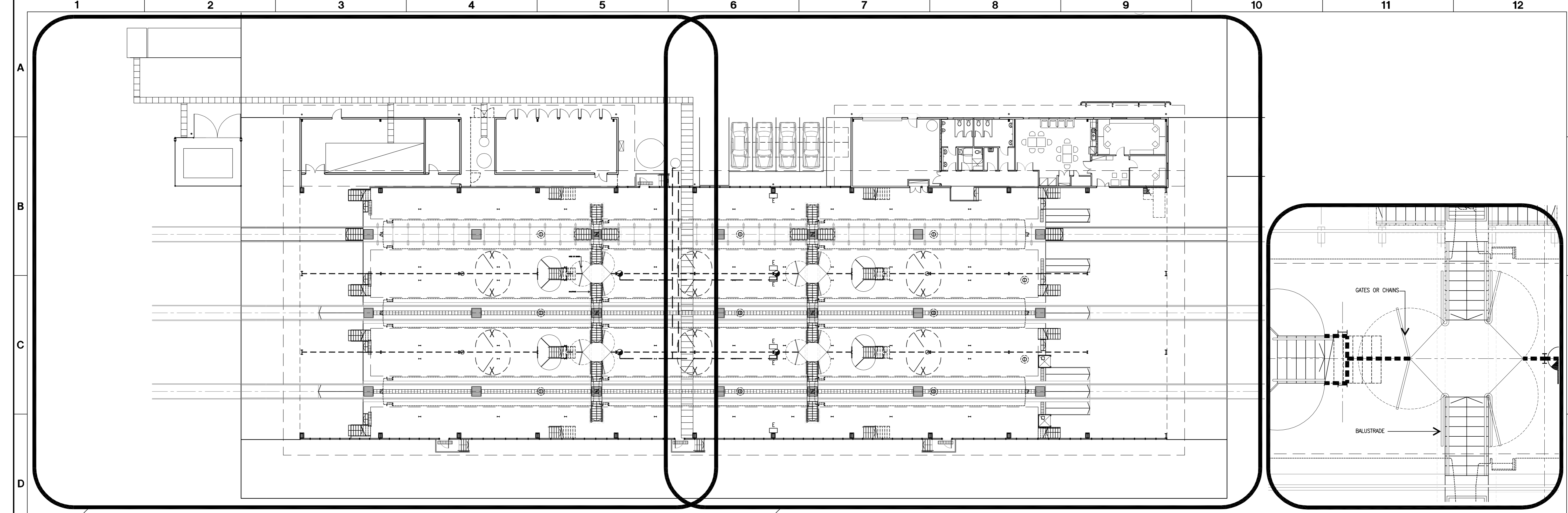
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A	01.10.10	PK				AMENDMENT



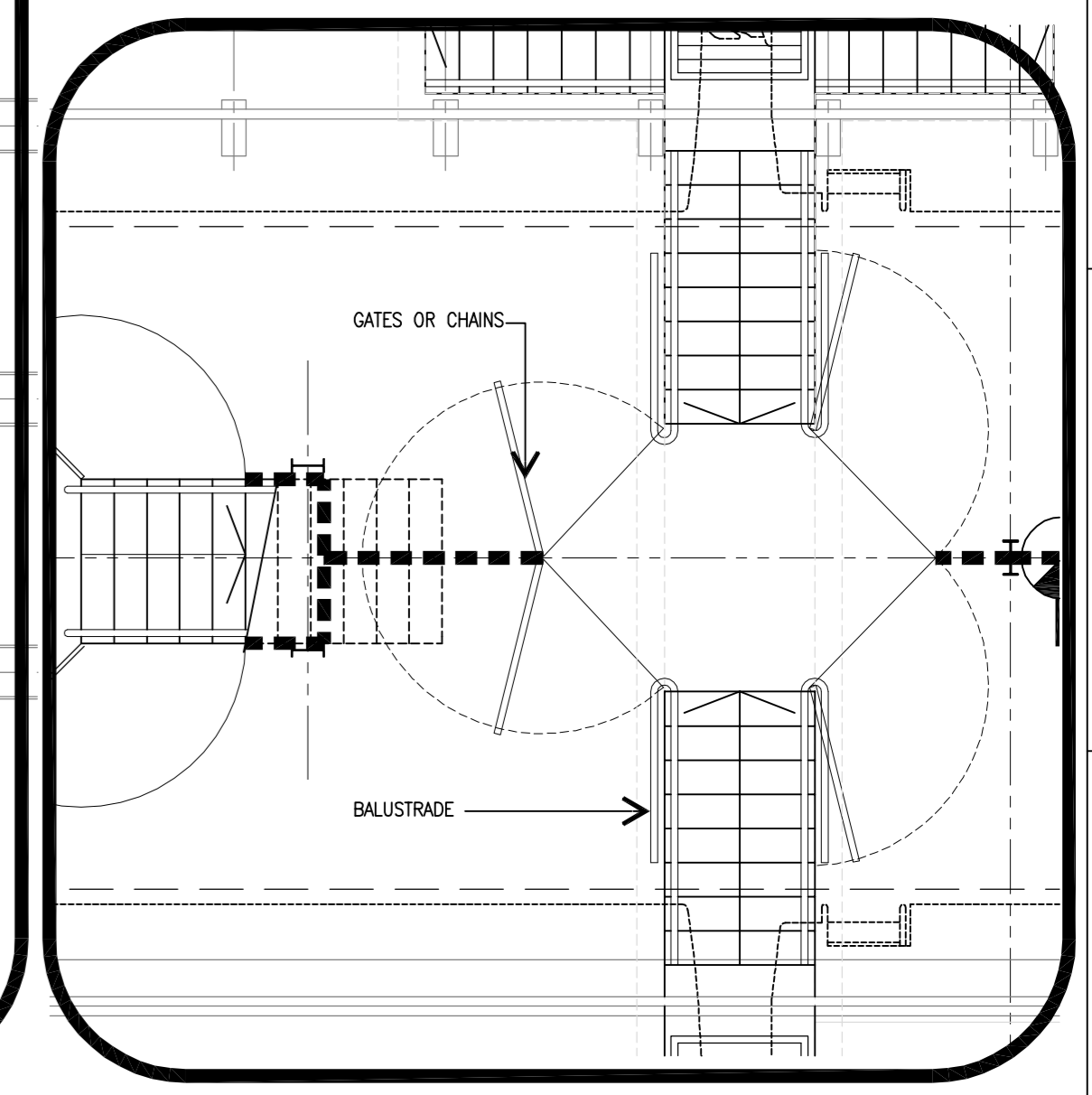
**CALDIS ARCHITECTS**  
LEVEL 2,  
45 CHIPPEN STREET  
CHIPPENDALE  
NSW 2008  
TEL (02) 9557 5066  
FAX (02) 9557 4066  
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Website: www.caldiscook.com  
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CLIENT PACIFIC NATIONAL			
PROJECT GRETA TRAIN SUPPORT FACILITY			
DRAFTER PK	DRAFTING CHECK	REVIEWED PROJECT MANAGER	APPROVED PROJECT DIRECTOR
DESIGNED	DESIGN REVIEW		

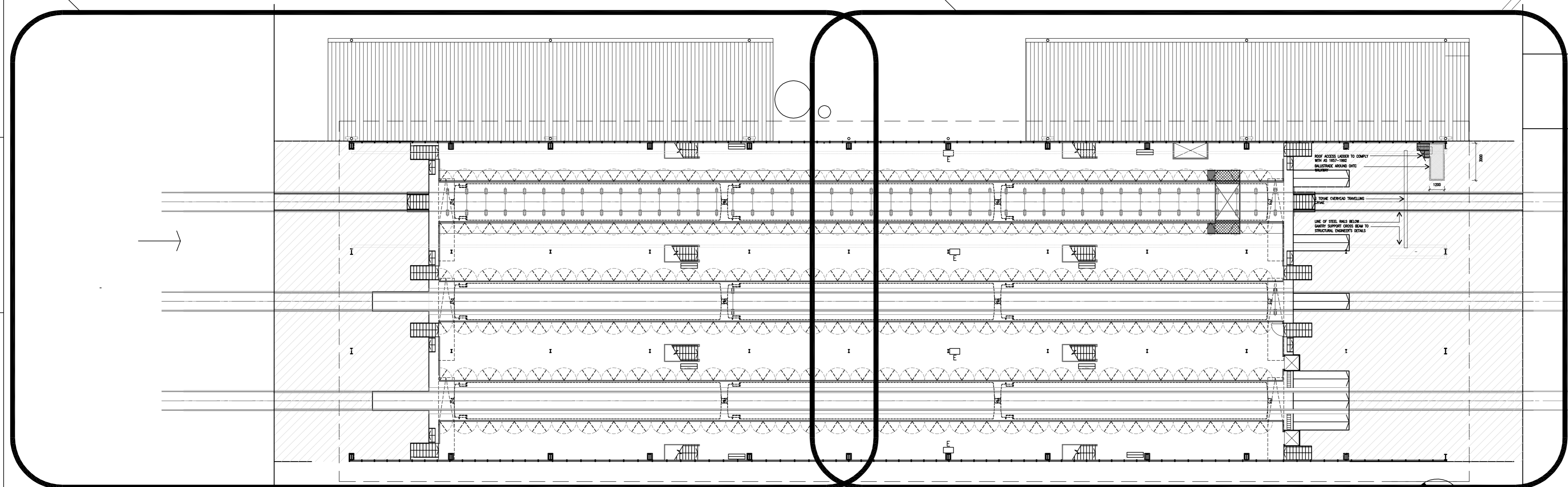
TITLE ADMINISTRATION/AMENITIES FACILITY ELEVATIONS			
SCALE AS SHOWN	SKM PROJECT No NB11248	DRAWING No GTSF-DG-ADM-AR-0111	AMDT A



**01** TRAIN PROVISIONING FACILITY - FLOOR PLAN (INCLUDING DEPRESSED FLOOR)  
1:200



**03** DETAIL PLAN PIT ACCESS  
1:200



**02** TRAIN PROVISIONING FACILITY - LOWER PLATFORM PLAN  
1:200

Plot Date: 07 Oct 2010 @ 12:30:27 Login Name: MichaelC Cad File: P:\10-073 Greta Train Support Facility AutoCad GTSF-DG-PRO-AR-0101\_0102.dwg

No	DATE	DRAFTING CHECK	DESIGN REVIEW	REV'D P.MGR	APP'D P.DIR	ISSUE FOR COSTING
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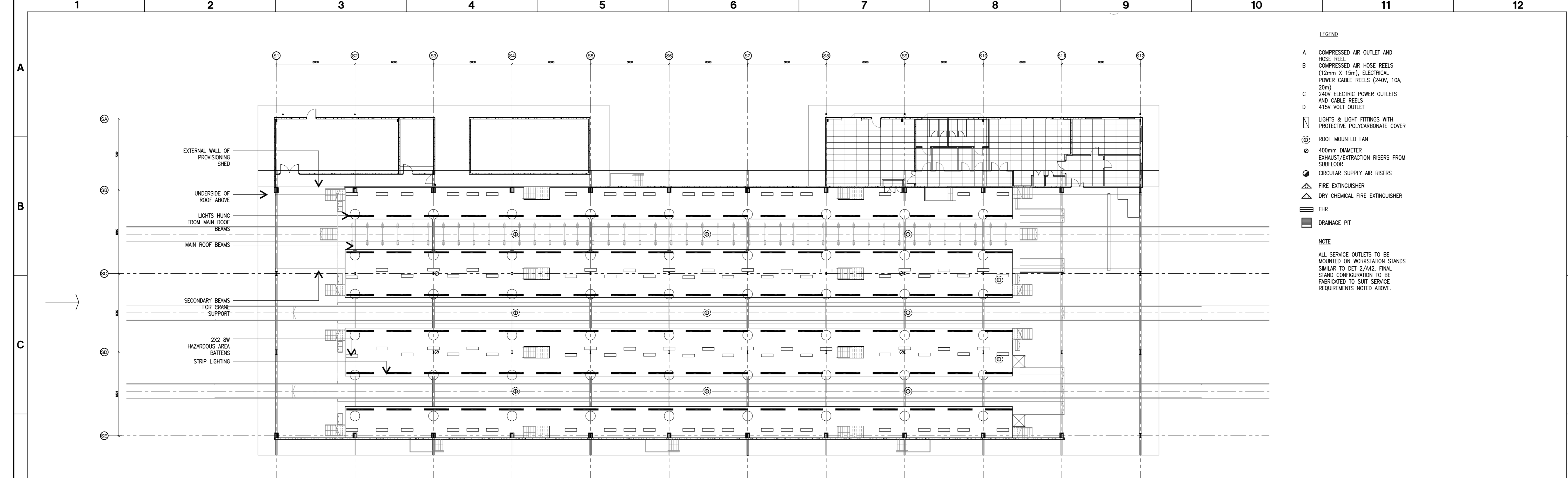


**CALDIS ARCHITECTS**  
 LEVEL 2,  
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 TEL: (02) 9557 5066  
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CLIENT PACIFIC NATIONAL			
PROJECT GRETA TRAIN SUPPORT FACILITY			
DRAFTER MC	DRAFTING CHECK	REVIEWED PROJECT MANAGER	APPROVED PROJECT DIRECTOR
DESIGNED	DESIGN REVIEW		

TITLE <b>TRAIN PROVISIONING FACILITY - PLAN</b>			
SCALE AS SHOWN	SKM PROJECT No NB11248	DRAWING No GTSF-DG-PRO-AR-0101	AMDT A

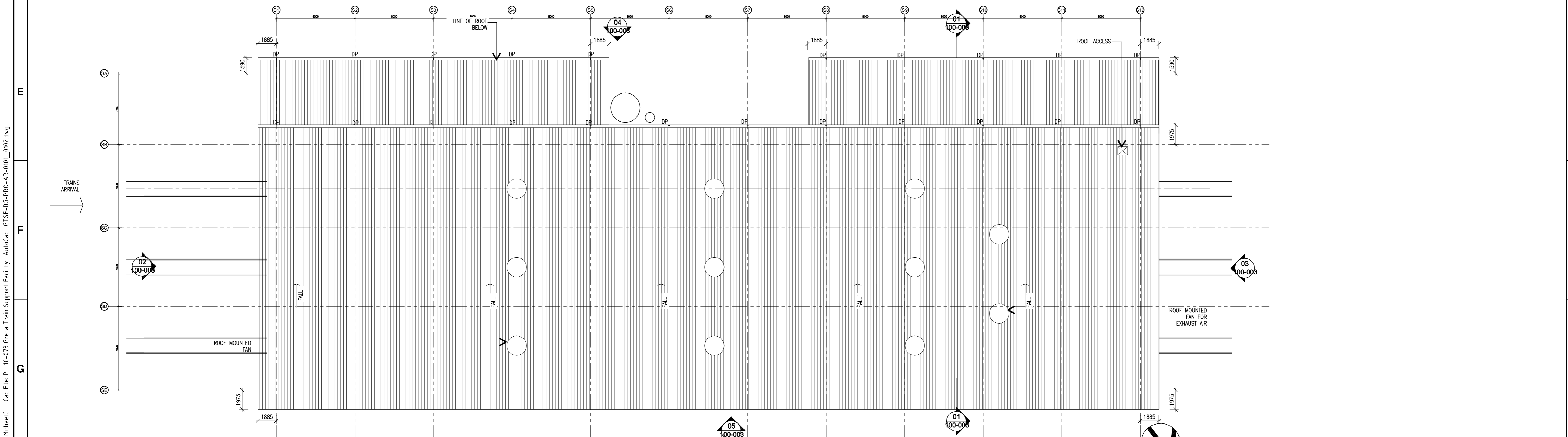
NOT FOR CONSTRUCTION



- LEGEND**
- A COMPRESSED AIR OUTLET AND HOSE REEL
  - B COMPRESSED AIR HOSE REELS (12mm X 15m), ELECTRICAL POWER CABLE REELS (240V, 10A, 20m)
  - C 240V ELECTRIC POWER OUTLETS AND CABLE REELS
  - D 415V VOLT OUTLET
  - ⊠ LIGHTS & LIGHT FITTINGS WITH PROTECTIVE POLYCARBONATE COVER
  - ⊙ ROOF MOUNTED FAN
  - ⊙ 400mm DIAMETER EXHAUST/EXTRACTION RISERS FROM SUBFLOOR
  - ⊙ CIRCULAR SUPPLY AIR RISERS
  - ⊠ FIRE EXTINGUISHER
  - ⊠ DRY CHEMICAL FIRE EXTINGUISHER
  - ▬ FHR
  - ▭ DRAINAGE PIT

**NOTE**  
 ALL SERVICE OUTLETS TO BE MOUNTED ON WORKSTATION STANDS SIMILAR TO DET 2/A42. FINAL STAND CONFIGURATION TO BE FABRICATED TO SUIT SERVICE REQUIREMENTS NOTED ABOVE.

**01** TRAIN PROVISIONING FACILITY - REFLECTED CEILING PLAN  
 1:200



**02** TRAIN PROVISIONING FACILITY - ROOF PLAN  
 1:200

NOT FOR CONSTRUCTION

No	DATE	DRAFTING CHECK	DESIGN REVIEW	REV'D P.WGR	APP'D P.DIR	ISSUE FOR COSTING
A	01.10.2010	MC				AMENDMENT

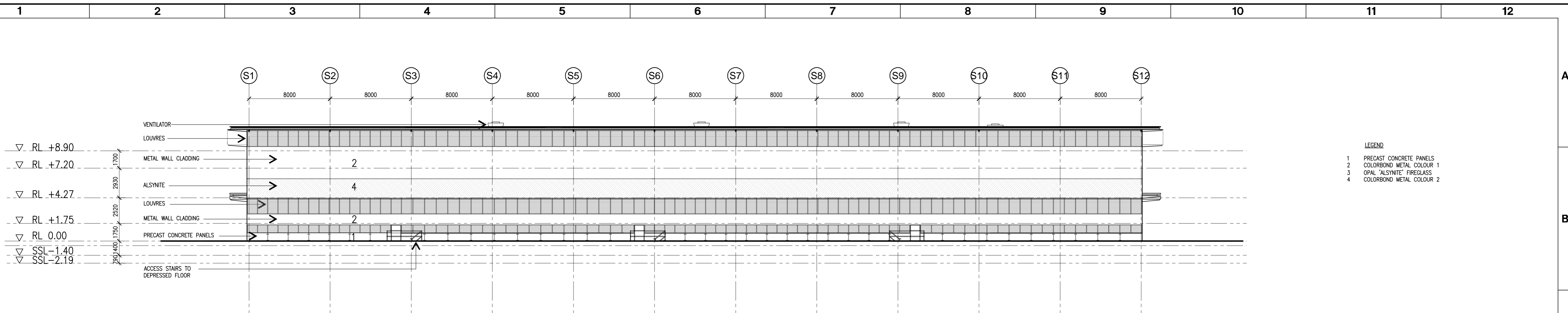


**CALDIS ARCHITECTS**  
 LEVEL 2,  
 45 CHIPPEN STREET  
 CHIPPENDALE  
 NSW 2008  
 TEL (02) 9557 5066  
 FAX (02) 9557 4066  
 ACN 051302900  
 Website: www.caldiscook.com  
 Email: projects@caldiscook.com  
 ACN 051 302 900

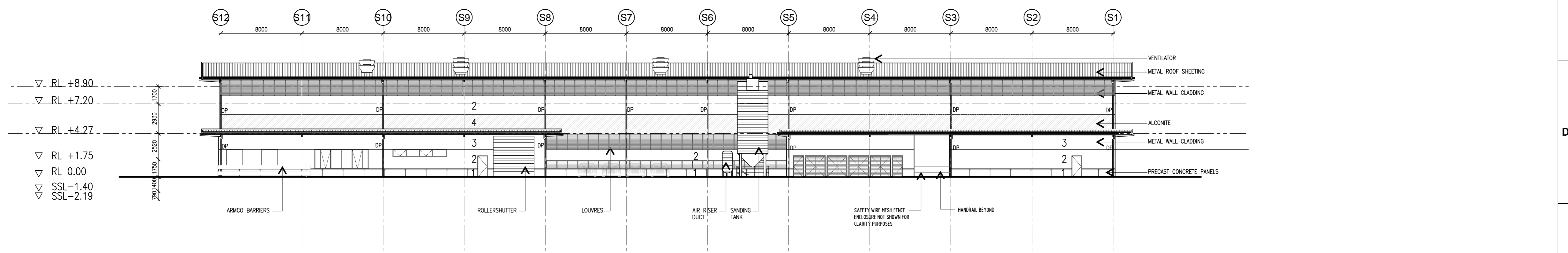
CLIENT PACIFIC NATIONAL			
PROJECT GRETA TRAIN SUPPORT FACILITY			
DRAFTER MC	DRAFTING CHECK	REVIEWED PROJECT MANAGER	APPROVED PROJECT DIRECTOR
DESIGNED	DESIGN REVIEW		

TITLE TRAIN PROVISIONING FACILITY - RCP & ROOF PLAN			
SCALE AS SHOWN	SKM PROJECT No NB11248	DRAWING No GTSF-DG-PRO-AR-0102	AMDT A

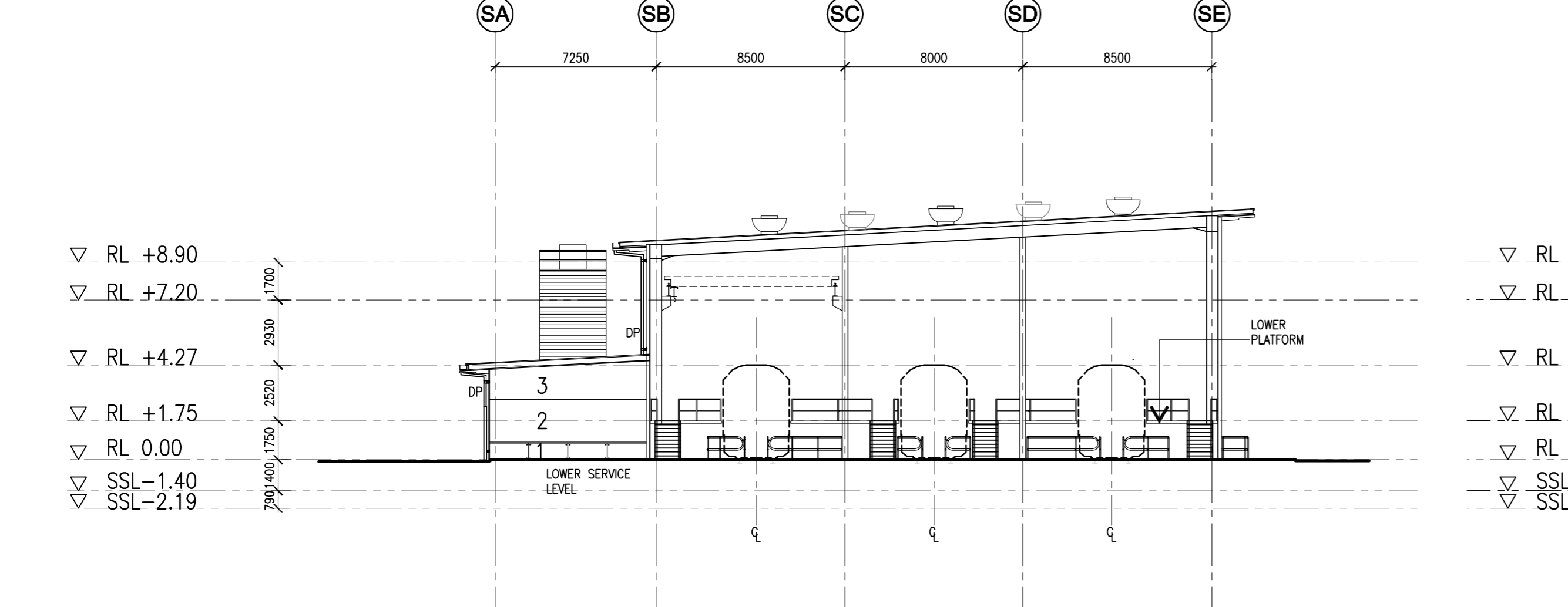
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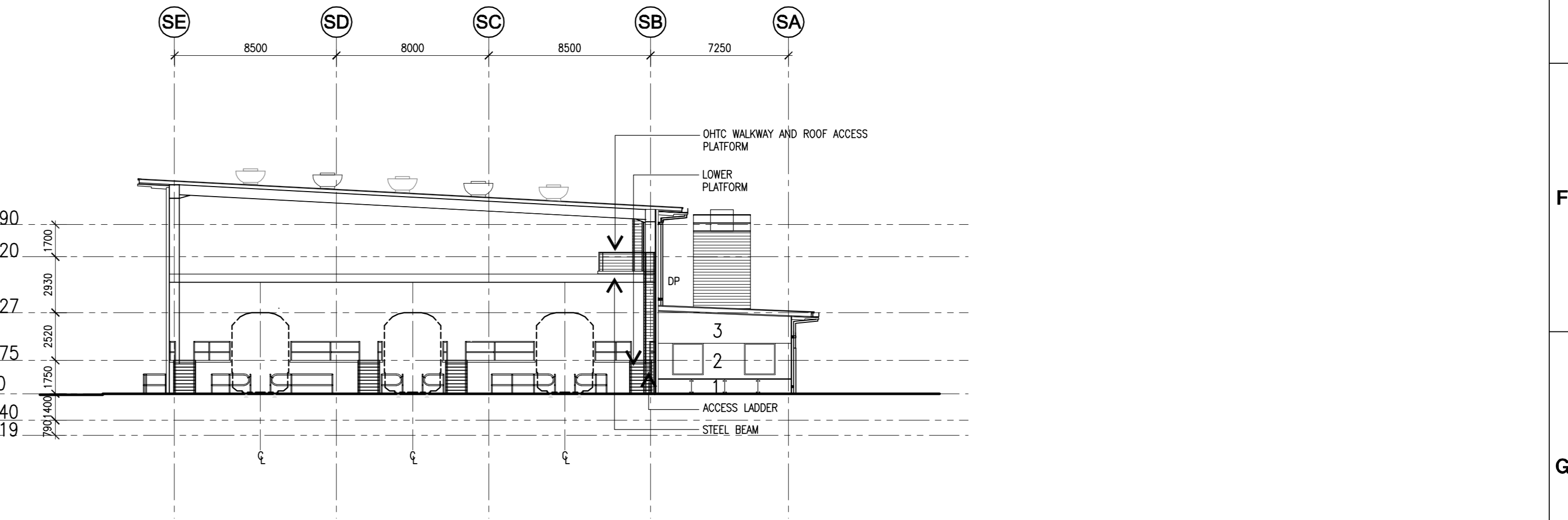
**01 TRAIN PROVISIONING FACILITY - ELEVATION NORTH**  
1:200



**02 TRAIN PROVISIONING FACILITY - ELEVATION SOUTH**  
1:200



**03 TRAIN PROVISIONING FACILITY - ELEVATION EAST**  
1:200



**04 TRAIN PROVISIONING FACILITY - ELEVATION WEST**  
1:200

NOT FOR CONSTRUCTION

No	DATE	DRAFTING CHECK	DESIGN REVIEW	REV'D P.MGR	APP'D P.DIR	ISSUE FOR COSTING
A	01.10.2010	MC				AMENDMENT

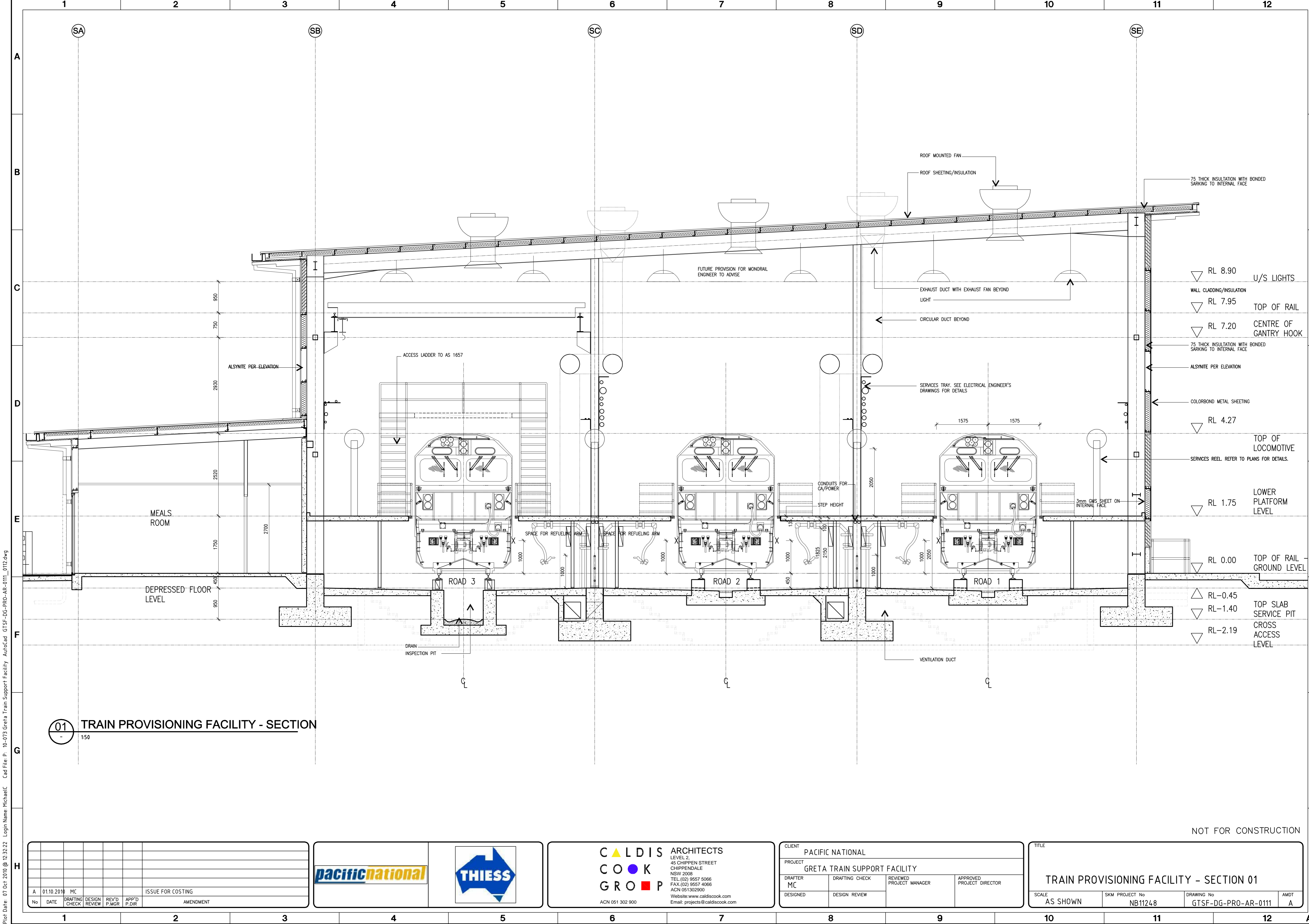


**CALDIS ARCHITECTS**  
LEVEL 2,  
45 CHIPPEN STREET  
CHIPPENDALE  
NSW 2008  
TEL: (02) 9557 5066  
FAX: (02) 9557 4066  
ACN: 051302900  
Website: www.caldiscook.com  
Email: projects@caldiscook.com  
ACN 051 302 900

CLIENT: PACIFIC NATIONAL			
PROJECT: GRETA TRAIN SUPPORT FACILITY			
DRAFTER: MC	DRAFTING CHECK:	REVIEWED PROJECT MANAGER:	APPROVED PROJECT DIRECTOR:
DESIGNED:	DESIGN REVIEW:		

TITLE: GRETA TRAIN SUPPORT FACILITIES FOR PACIFIC NATIONAL ELEVATIONS - TRAIN PROVISIONING FACILITY			
SCALE: AS SHOWN	SKM PROJECT No: NB11248	DRAWING No: GTSF-DG-PRO-AR-0110	AMDT: A

Plot Date: 07 Oct 2010 @ 12:31:33 Login Name: MichaelC Cad File: P - 10-073 Greta Train Support Facility AutoCad GTSF-DG-PRO-AR-0110.dwg



**01** TRAIN PROVISIONING FACILITY - SECTION  
1:50

NOT FOR CONSTRUCTION

No	DATE	DRAFTING CHECK	DESIGN REVIEW	REV'D P.MGR	APP'D P.DIR	ISSUE FOR COSTING
A	01.10.2010	MC				AMENDMENT

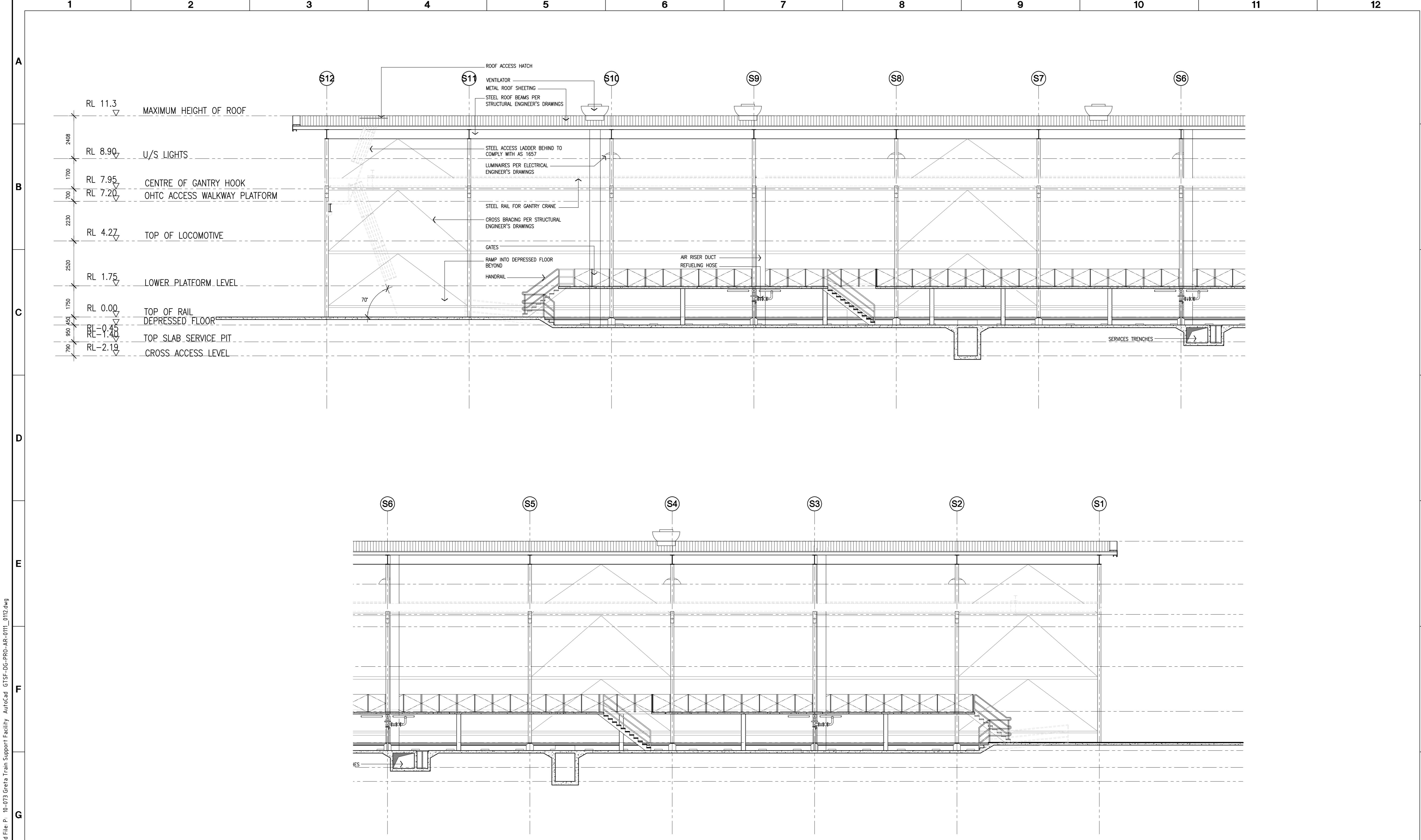


**CALDIS ARCHITECTS**  
 LEVEL 2,  
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 NSW 2008  
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 ACN 051302900  
 Website: www.caldiscook.com  
 Email: projects@caldiscook.com  
 ACN 051 302 900

CLIENT PACIFIC NATIONAL			
PROJECT GRETA TRAIN SUPPORT FACILITY			
DRAFTER MC	DRAFTING CHECK	REVIEWED PROJECT MANAGER	APPROVED PROJECT DIRECTOR
DESIGNED	DESIGN REVIEW		

TITLE TRAIN PROVISIONING FACILITY - SECTION 01			
SCALE AS SHOWN	SKM PROJECT No NB11248	DRAWING No GTSF-DG-PRO-AR-0111	AMDT A

Plot Date: 07 Oct 2010 @ 12:32:22 Login Name: MichaelC Cad File: P:\10-073 Greta Train Support Facility\_Auric\Cad\GTSF-DG-PRO-AR-011\_0112.dwg



**01 TRAIN PROVISIONING FACILITY - LONGITUDINAL SECTION**  
1:100

NOT FOR CONSTRUCTION

No	DATE	DRAFTING CHECK	DESIGN REVIEW	REV'D P.WGR	APP'D P.DIR	ISSUE FOR COSTING
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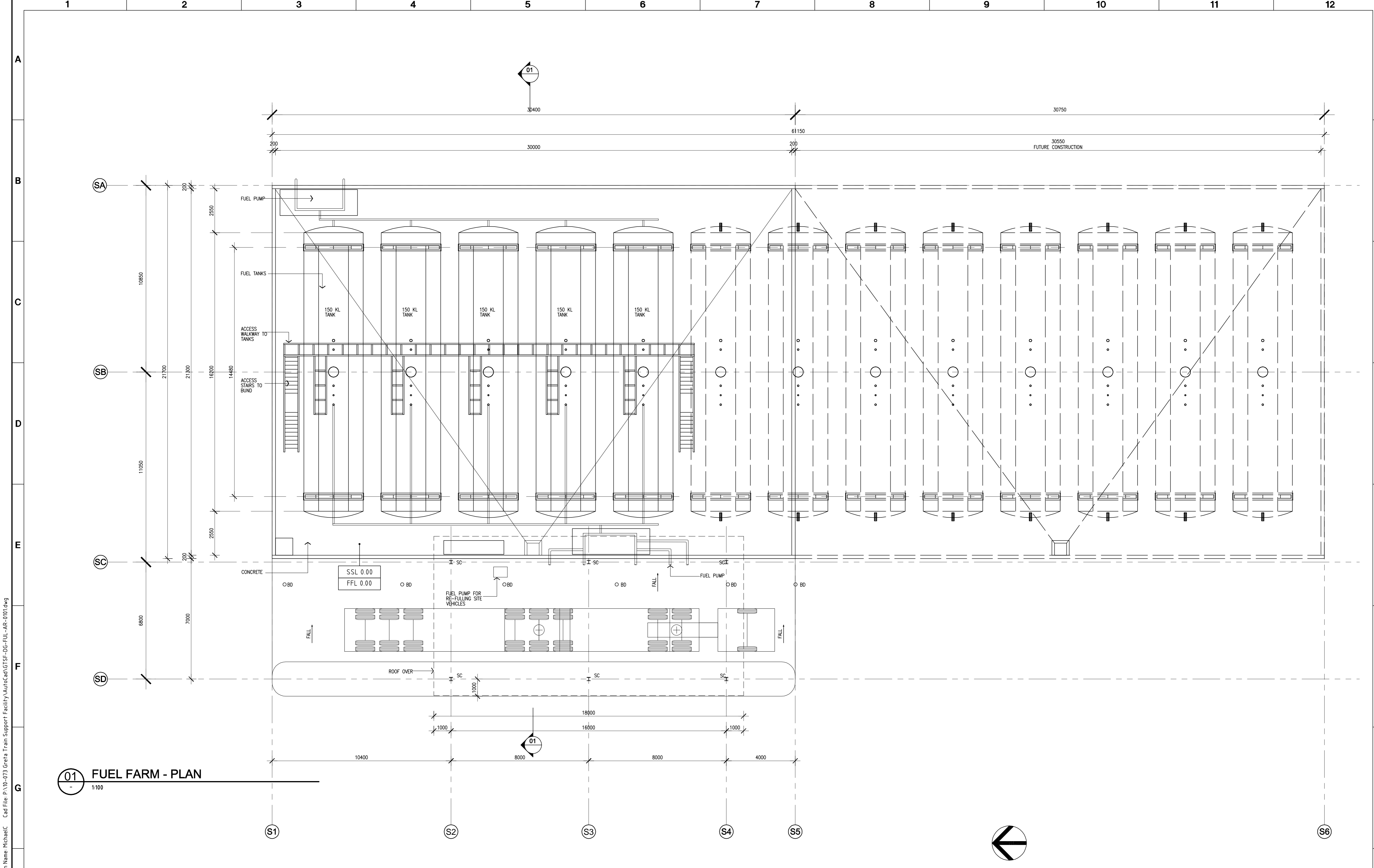


**CALDIS ARCHITECTS**  
 LEVEL 2,  
 45 CHIPPEN STREET  
 CHIPPENDALE  
 NSW 2008  
 TEL: (02) 9557 5066  
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 ACN: 051302900  
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 ACN 051 302 900

CLIENT PACIFIC NATIONAL			
PROJECT GRETA TRAIN SUPPORT FACILITY			
DRAFTER MC	DRAFTING CHECK	REVIEWED PROJECT MANAGER	APPROVED PROJECT DIRECTOR
DESIGNED	DESIGN REVIEW		

TITLE TRAIN PROVISIONING FACILITY - SECTION 02			
SCALE AS SHOWN	SKM PROJECT No NB11248	DRAWING No GTSF-DG-PRO-AR-0112	AMDT A

Plot Date: 07 Oct 2010 @ 12:31:56 Login Name: MichaelC Cad File: P:\10-073 Greta Train Support Facility AutoCad GTSF-DG-PRO-AR-011\_0112.dwg



**01 FUEL FARM - PLAN**  
1:100

NOT FOR CONSTRUCTION

No	DATE	DRAFTING CHECK	DESIGN REVIEW	REV'D P.MGR	APP'D P.DIR	ISSUED FOR COSTING
A	01.10.2010	KV				ISSUED FOR COSTING
						AMENDMENT

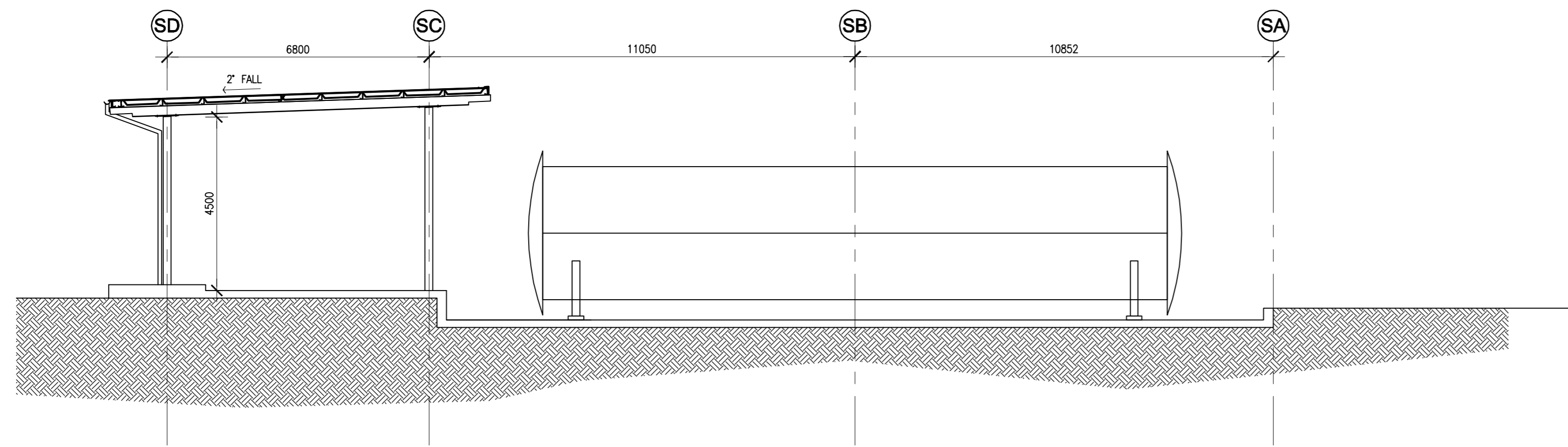


**CALDIS ARCHITECTS**  
LEVEL 2,  
45 CHIPPEN STREET  
CHIPPENDALE  
NSW 2008  
TEL (02) 9557 5066  
FAX (02) 9557 4066  
ACN 05 1302900  
Website: www.caldiscook.com  
Email: projects@caldiscook.com  
ACN 051 302 900

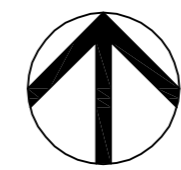
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DRAFTER KV	DRAFTING CHECK KV	REVIEWED PROJECT MANAGER	APPROVED PROJECT DIRECTOR
DESIGNED	DESIGN REVIEW		

TITLE <b>FUEL FARM FLOOR PLAN</b>			
SCALE AS SHOWN	SKM PROJECT No NB11248	DRAWING No GTSF-DG-FUL-AR-0101	AMDT A

Plot Date: 07 Oct 2010 @ 12:36:14 Login Name: MichaelC Cad File: P:\10-073 Greta Train Support Facility\AutoCAD\GTSF-DG-FUL-AR-0101.dwg



01 FUEL FARM - SECTION 1-1  
1:100



NOT FOR CONSTRUCTION

No	DATE	DRAFTING CHECK	DESIGN REVIEW	REV'D P.MGR	APP'D P.DIR	AMENDMENT
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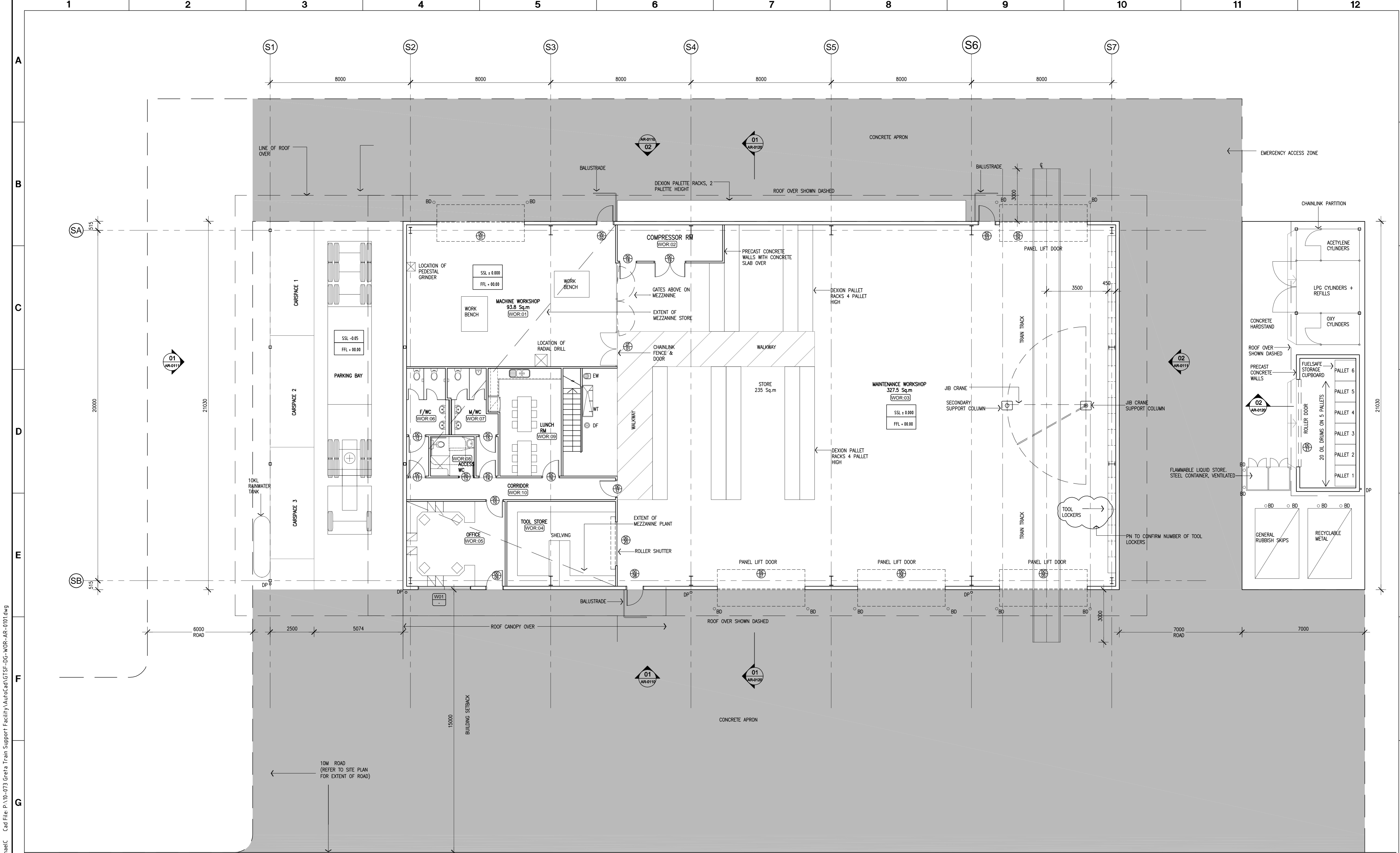


**CALDIS ARCHITECTS**  
 LEVEL 2,  
 45 CHIPPEN STREET  
 CHIPPENDALE  
 NSW 2008  
 TEL (02) 9557 5066  
 FAX (02) 9557 4066  
 ACN 05 1302900  
 Website: www.caldiscook.com  
 Email: projects@caldiscook.com  
 ACN 051 302 900

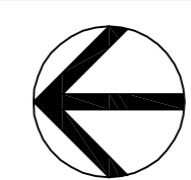
CLIENT PACIFIC NATIONAL			
PROJECT GRETA TRAIN SUPPORT FACILITY			
DRAFTER KV	DRAFTING CHECK KV	REVIEWED PROJECT MANAGER	APPROVED PROJECT DIRECTOR
DESIGNED	DESIGN REVIEW		

TITLE FUEL FARM SECTIONS			
SCALE AS SHOWN	SKM PROJECT No NB11248	DRAWING No GTSF-DG-FUL-AR-0110	AMDT A

Plot Date: 07 Oct 2010 @ 12:36:36 Login Name: MichaelC Cad File: P:\10-073 Greia Train Support Facility\AutoCad\GTSF-DG-FUL-AR-0110.dwg



**01 MAINTENANCE WORKSHOP - PLAN**  
1:100



NOT FOR CONSTRUCTION

No	DATE	DRAFTING CHECK	DESIGN REVIEW	REV'D P.WGR	APP'D P.DIR	ISSUED FOR COSTING
A	01.09.2010	KV				ISSUED FOR COSTING
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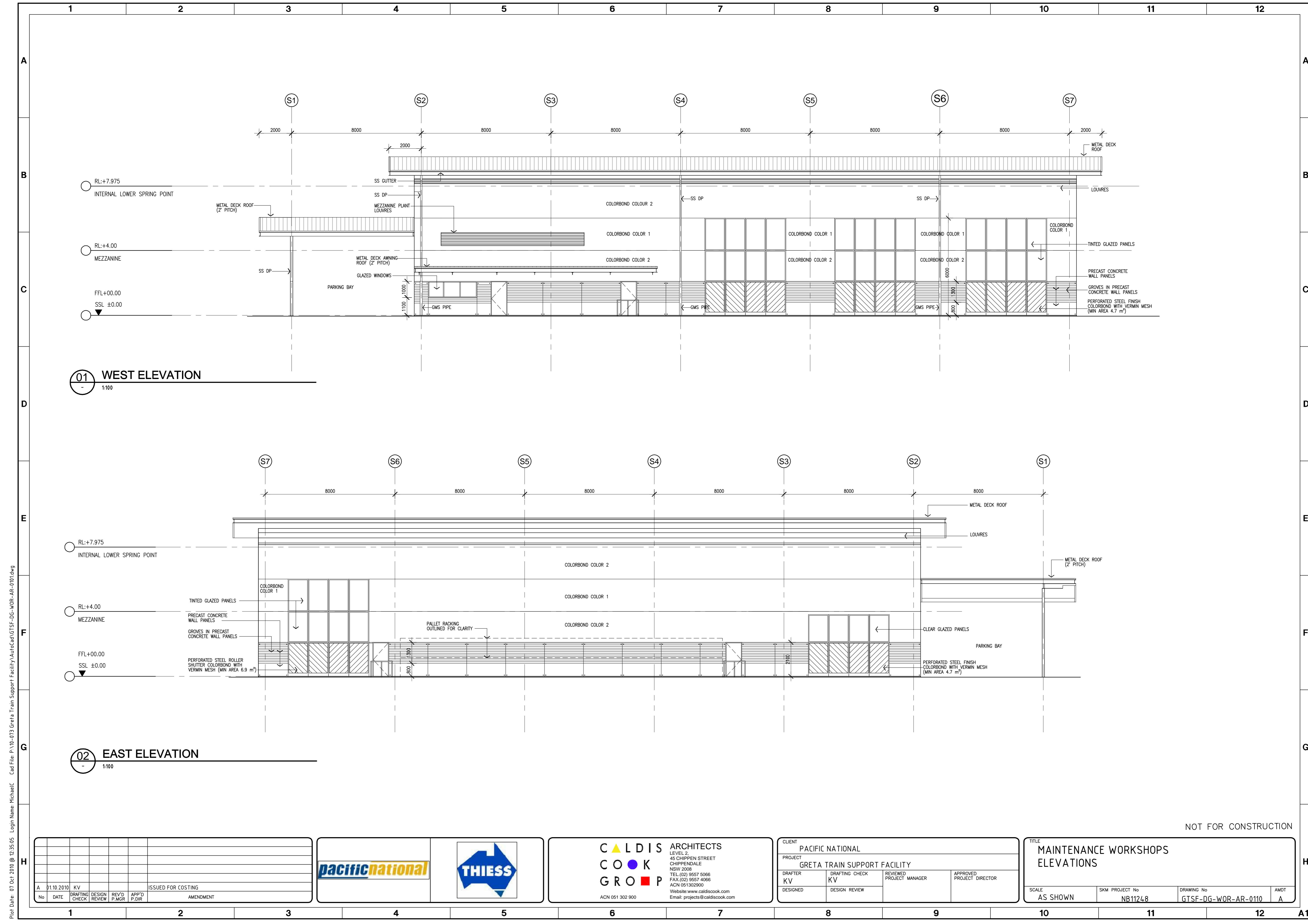


**CALDIS ARCHITECTS**  
LEVEL 2,  
45 CHIPPEN STREET  
CHIPPENDALE  
NSW 2008  
TEL (02) 9557 5066  
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ACN 051302900  
Website: www.caldiscook.com  
Email: projects@caldiscook.com  
ACN 051 302 900

CLIENT PACIFIC NATIONAL			
PROJECT GRETA TRAIN SUPPORT FACILITY			
DRAFTER KV	DRAFTING CHECK KV	REVIEWED PROJECT MANAGER	APPROVED PROJECT DIRECTOR
DESIGNED	DESIGN REVIEW		

TITLE MAINTENANCE WORKSHOPS GROUND FLOOR PLAN			
SCALE AS SHOWN	SKM PROJECT No NB1124.8	DRAWING No GTSF-DG-WOR-AR-0101	AMDT A

Plot Date: 07 Oct 2010 @ 12:34:47 Login Name: MichaelC Cad File: P:\10-073 Greta Train Support Facility\AutoCAD\GTSF-DG-WOR-AR-0101.dwg



**01 WEST ELEVATION**  
1:100

**02 EAST ELEVATION**  
1:100

NOT FOR CONSTRUCTION

No	DATE	DRAFTING CHECK	DESIGN REVIEW	REV'D P.WGR	APP'D P.DIR	ISSUED FOR COSTING
A	01.10.2010	KV				ISSUED FOR COSTING
						AMENDMENT



**CALDIS ARCHITECTS**  
LEVEL 2,  
45 CHIPPEN STREET  
CHIPPENDALE  
NSW 2008  
TEL (02) 9557 5066  
FAX (02) 9557 4066  
ACN 051302900  
Website: www.caldiscook.com  
Email: projects@caldiscook.com  
ACN 051 302 900

CLIENT PACIFIC NATIONAL			
PROJECT GRETA TRAIN SUPPORT FACILITY			
DRAFTER KV	DRAFTING CHECK KV	REVIEWED PROJECT MANAGER	APPROVED PROJECT DIRECTOR
DESIGNED	DESIGN REVIEW		

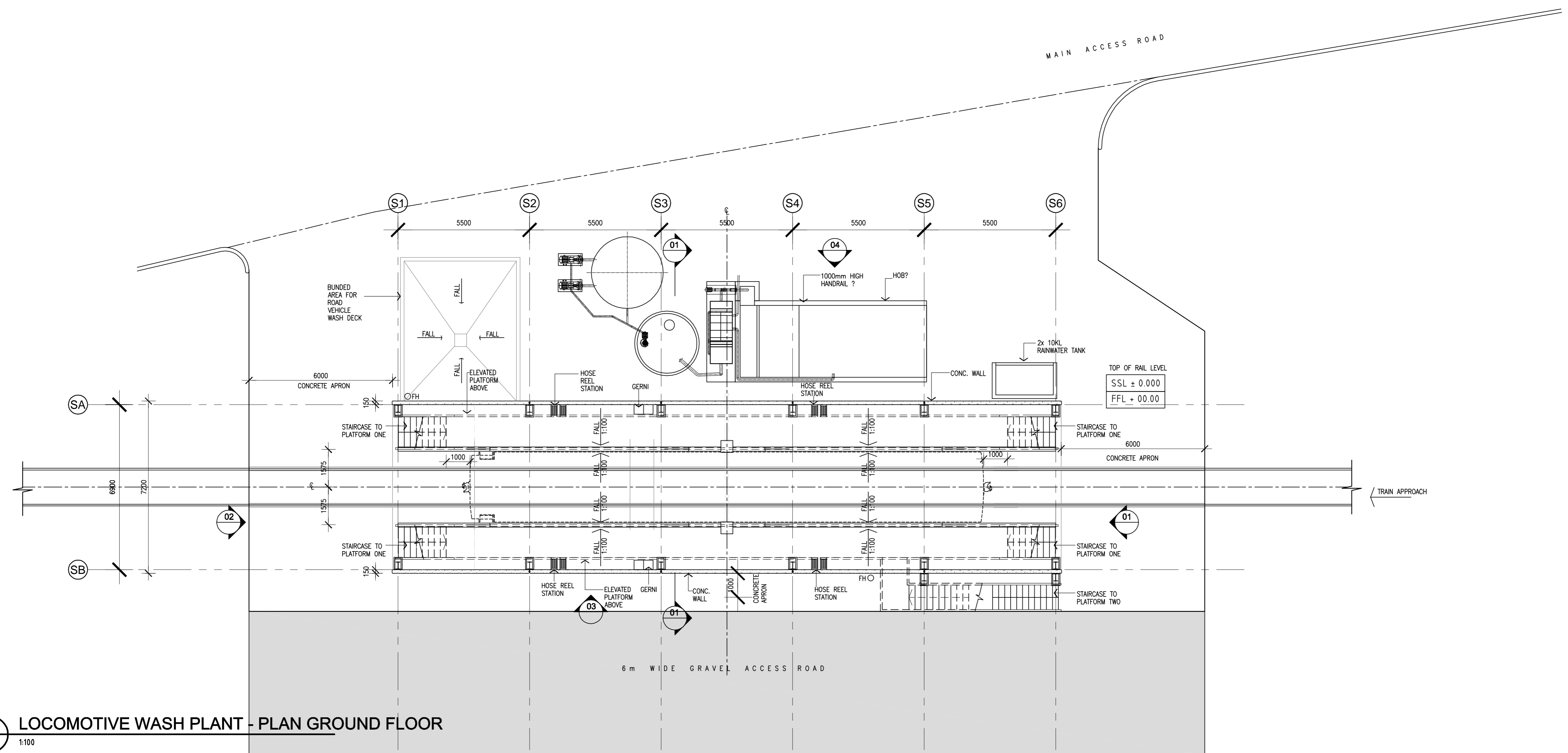
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SCALE AS SHOWN	SKM PROJECT No NB1124.8	DRAWING No GTSF-DG-WOR-AR-0110	AMDT A

Plot Date: 07 Oct 2010 @ 12:35:05 Logon Name: MichaelC Cad File: P:\10-073 Greta Train Support Facility\Aurocad\GTSF-DG-WOR-AR-0101.dwg

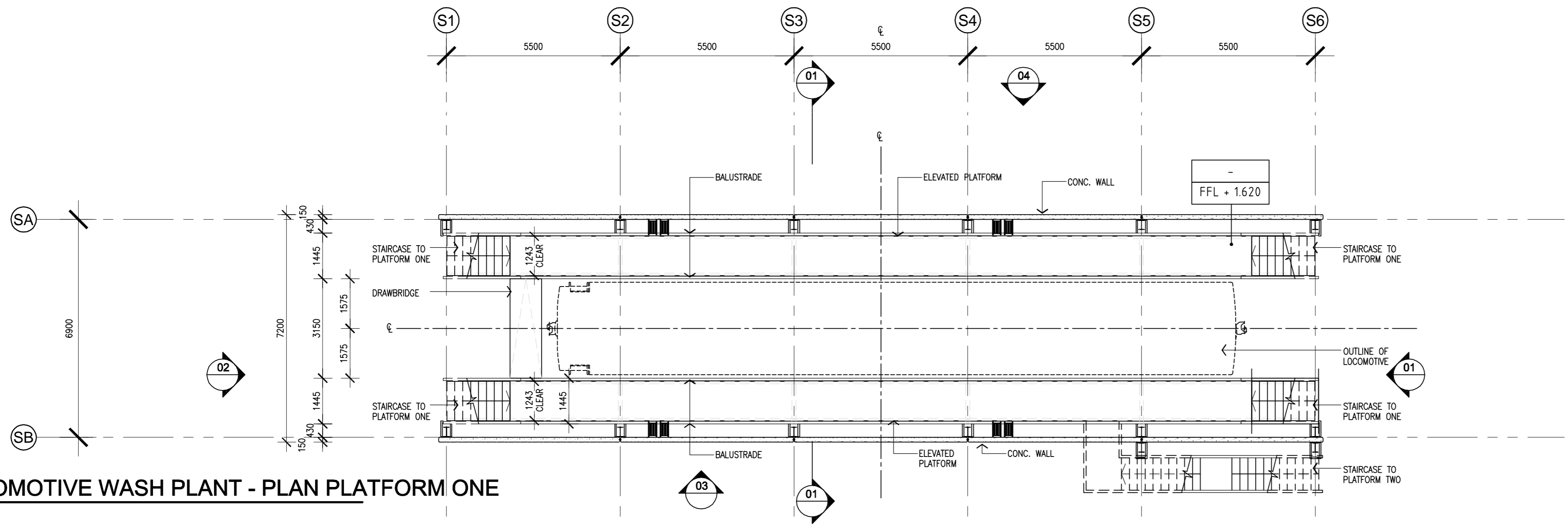


1 2 3 4 5 6 7 8 9 10 11 12

A B C D E F G H



01 LOCOMOTIVE WASH PLANT - PLAN GROUND FLOOR  
1:100



02 LOCOMOTIVE WASH PLANT - PLAN PLATFORM ONE  
1:100

NOT FOR CONSTRUCTION

No	DATE	DRAFTING CHECK	DESIGN REVIEW	REV'D P.MGR	APP'D P.DIR	AMENDMENT
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A	01.10.2010	KV				ISSUED FOR COSTING



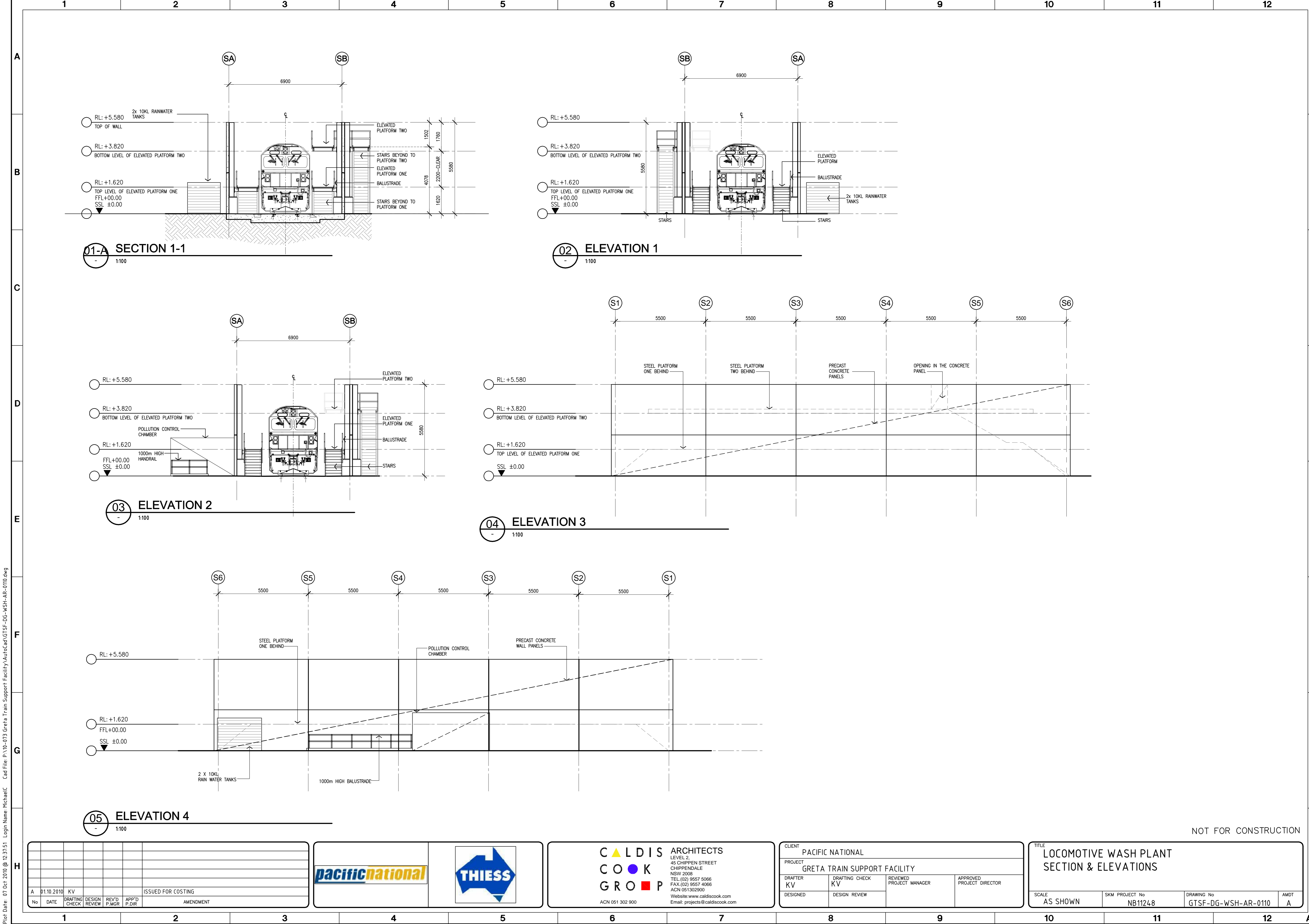
**CALDIS ARCHITECTS**  
LEVEL 2,  
45 CHIPPEN STREET  
CHIPPENDALE  
NSW 2008  
TEL (02) 9557 5066  
FAX (02) 9557 4066  
ACN 051302900  
Website: www.caldiscook.com  
Email: projects@caldiscook.com  
ACN 051 302 900

CLIENT CONCEPT DESIGN SUBMISSION			
PROJECT GRETA TRAIN SUPPORT FACILITY			
DRAFTER KV	DRAFTING CHECK KV	REVIEWED PROJECT MANAGER	APPROVED PROJECT DIRECTOR
DESIGNED	DESIGN REVIEW		

TITLE LOCOMOTIVE WASH PLANT FLOOR PLANS			
SCALE AS SHOWN	SKM PROJECT No NB1124.8	DRAWING No GTSF-DG-WSH-AR-0101	AMDT B

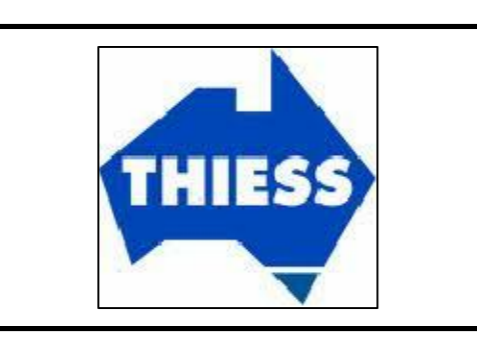
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1 2 3 4 5 6 7 8 9 10 11 12 A1



NOT FOR CONSTRUCTION

No	DATE	DRAFTING CHECK	DESIGN REVIEW	REV'D P.WGR	APP'D P.DIR	ISSUED FOR COSTING	AMENDMENT
A	01.10.2010	KV				ISSUED FOR COSTING	



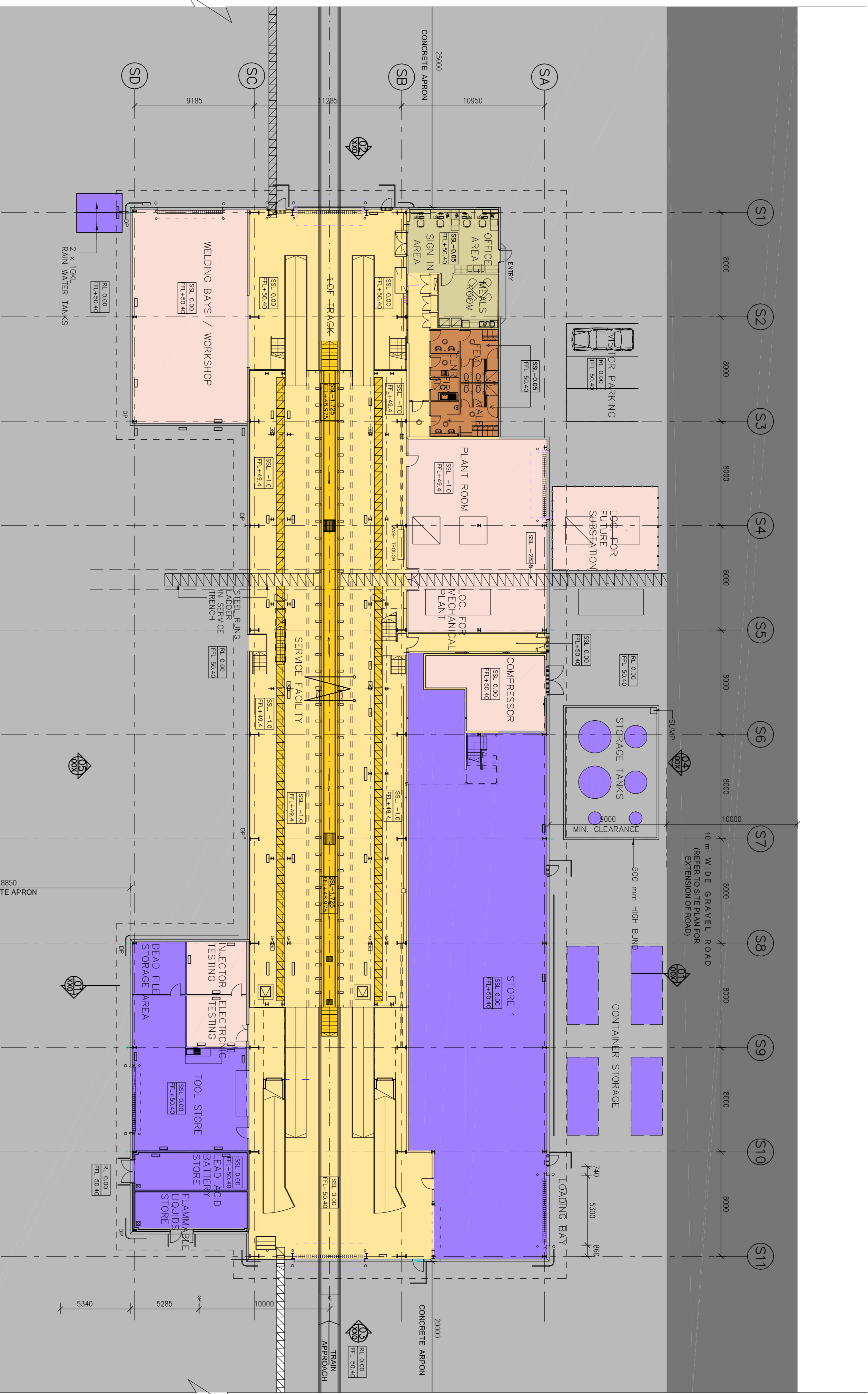
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CLIENT PACIFIC NATIONAL		PROJECT GRETA TRAIN SUPPORT FACILITY	
DRAFTER KV	DRAFTING CHECK KV	REVIEWED PROJECT MANAGER	APPROVED PROJECT DIRECTOR
DESIGNED	DESIGN REVIEW		

TITLE LOCOMOTIVE WASH PLANT SECTION & ELEVATIONS			
SCALE AS SHOWN	SKM PROJECT No NB11248	DRAWING No GTSF-DG-WSH-AR-0110	AMDT A

Plot Date: 07 Oct 2010 @ 12:37:51 Login Name: MichaelC Cad File: P:\10-073 Greta Train Support Facility\AutoCad\GTSF-DG-WSH-AR-0110.dwg



01 HEAVY MAINTENANCE FACILITY - LOCOMOTIVE - GROUND PLAN  
SCALE 1:200



02 HEAVY MAINTENANCE FACILITY - LOCOMOTIVE - MEZZANINE PLAN  
SCALE 1:200

Rev. Date	Description	Dr. / Chk. Dir.	Rev. Date	Description	Dr. / Chk. Dir.
C 12.03.10	PROJECT APPLICATION ISSUE	CK GSY			
B 22.02.10	FOR CLIENT REVIEW	CK GSY			
A 16.02.10	FOR CLIENT REVIEW	CK GSY			

- AREA ZONING LEGEND**
- PLANT/EQUIPMENT
  - GENERAL FACILITY AREA
  - ADMIN/STAFF
  - AMENITIES
  - SERVICE PIT
  - NEW VEHICLE ROAD
  - STORAGE
  - NEW CONCRETE APRON

- CLADDING LEGEND**
1. PRECAST CONCRETE PANELS
  2. COLORBOND METAL CLADDING (INSULATION &/BLOCKWORK)
  3. OPAL ALUMINUM FREGLOSS CLADDING
- LEVEL LEGEND**
- FFL+43.2 FINISHED FLOOR LEVEL OF NEW BUILDING
  - RL +1.0 REDUCED LEVEL RELATIVE TO NOMINAL +0.00 GROUND LEVEL
  - SSL+1.0 STRUCTURAL SLAB LEVEL (FINISHED CEILING LEVEL RELATIVE TO NOMINAL +0.00 GROUND LEVEL)
  - FCL+3.0 FINISHED CEILING LEVEL (RELATIVE TO NOMINAL +0.00 GROUND LEVEL)

**PROJECT APPLICATION**

Status

**PROJECT APPLICATION**

**HBO + EMTB**

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Urban Design  
Facility Management  
Project Coordination

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Nominated Architect in NSW: Kevin Fitzgerald 5113

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**GRETA TRAIN SUPPORT FACILITIES FOR PACIFIC NATIONAL**

**PLANS**

**LOCOMOTIVE MAINTENANCE SERVICE FACILITY**

File V:\SVA\SVA-001514 Greta Train Support Facilities B Design B.3 Concept-Schematic

Date Drawn 27/11/09  
Project Number 1514  
Drawing Number 1514-AR-600-001  
Scale 1:200  
Sheet Size A1  
Revision C