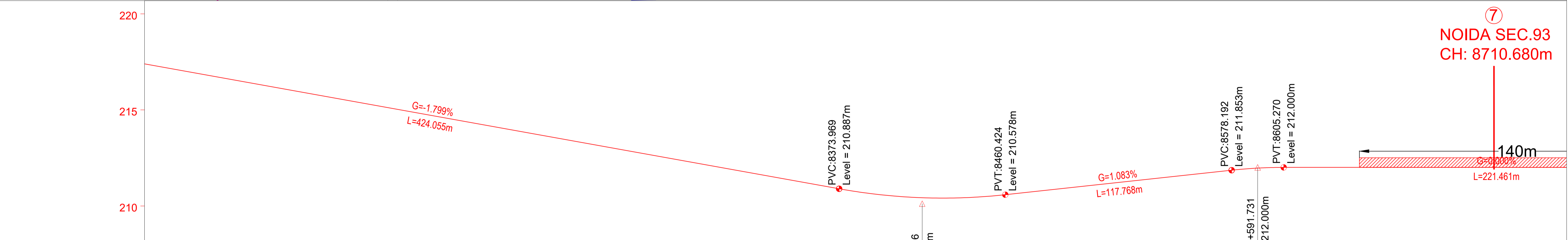


7
NOIDA SEC.93
CH: 8710.680m



7
NOIDA SEC.93
CH: 8710.680m

VERTICAL SCHEMATIC	HORIZONTAL GEOMETRY	ELEVATION DIFF.	PROPOSED RAIL LEVEL	EXISTING GROUND LEVEL	CHAINAGE
L=424.055 G=-1.799%	L=227.916 TL=20	18.617	217.254	198.637	8020.000
		18.526	217.074	198.548	8030.000
		18.331	216.894	198.563	8040.000
		18.054	216.714	198.660	8050.000
		17.817	216.535	198.718	8060.000
		17.614	216.355	198.741	8070.000
		17.539	216.175	198.636	8080.000
		17.401	215.995	198.594	8090.000
		17.241	215.815	198.574	8100.000
		17.026	215.635	198.609	8110.000
		16.882	215.455	198.573	8120.000
		16.639	215.275	198.636	8130.000
		16.469	215.096	198.627	8140.000
		16.287	214.916	198.629	8150.000
		16.118	214.736	198.618	8160.000
		16.011	214.556	198.545	8170.000
		15.782	214.376	198.594	8180.000
		15.619	214.196	198.577	8190.000
		15.473	214.016	198.543	8200.000
		14.703	213.836	199.133	8210.000
		15.045	213.657	198.612	8220.000
		14.780	213.477	198.697	8230.000
		14.640	213.297	198.657	8240.000
		14.343	213.117	198.774	8250.000
		14.278	212.937	198.659	8260.000
		13.870	212.757	198.887	8270.000
		13.226	212.577	199.351	8280.000
		13.761	212.397	198.636	8290.000
		13.533	212.218	198.685	8300.000
		13.347	212.038	198.691	8310.000
		13.129	211.858	198.729	8320.000
		12.959	211.678	198.719	8330.000
		12.639	211.498	198.859	8340.000
		12.235	211.318	199.083	8350.000
		12.395	211.138	198.743	8360.000
		11.768	210.958	198.748	8370.000
		11.664	210.778	198.701	8380.000
		11.702	210.598	198.778	8390.000
		11.648	210.418	198.778	8400.000
		11.802	210.238	198.681	8410.000
		11.942	210.058	198.631	8420.000
		11.556	209.878	199.126	8430.000
		11.593	209.698	199.197	8440.000
		12.301	209.518	198.597	8450.000
		12.446	209.338	198.560	8460.000
		12.399	209.158	198.716	8470.000
		12.451	208.978	198.772	8480.000
		12.681	208.798	198.650	8490.000
		12.837	208.618	198.603	8500.000
		12.766	208.438	198.782	8510.000
		13.042	208.258	198.614	8520.000
		13.071	208.078	198.694	8530.000
		13.257	207.898	198.615	8540.000
		13.286	207.718	198.667	8550.000
		13.348	207.538	198.646	8560.000
		13.286	207.358	198.714	8570.000
		13.279	207.178	198.721	8580.000
		13.277	207.000	198.723	8590.000
		13.286	206.820	198.714	8600.000
		13.116	206.640	198.884	8610.000
		13.091	206.460	198.909	8620.000
		13.290	206.280	198.710	8630.000
		13.409	206.100	198.591	8640.000
		13.280	205.920	198.720	8650.000
		13.310	205.740	198.690	8660.000
		13.297	205.560	198.703	8670.000
		13.353	205.380	198.647	8680.000
		13.334	205.200	198.666	8690.000
		13.353	205.020	198.647	8700.000
		13.330	204.840	198.670	8710.000
			204.660	198.647	8720.000
			204.480	198.666	8730.000
			204.300	198.647	8740.000
			204.120	198.670	8750.000

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NOIDA METRO RAIL CORPORATION LTD.
Block-III, 3rd Floor, Ganga Shopping Complex, Sector-29, Noida -201301,
District Gautam Budh Nagar, Uttar Pradesh, India

PROJECT: NGNECC-01: Part Design & Construction of Elevated Viaduct and 10 nos. of Elevated Stations for Extension Projects of NMRC's Aqua Line from Botanical Garden to Noida Sec-142 (from Chainage (-) 383.959 to 12130.143) and from Depot Station to Boraki MMTH (Chainage 28678.253 to 31263.482).

VIADUCT
DRAWING TITLE: GENERAL ARRANGEMENT DRAWING PLAN AND PROFILE FROM CH UP LINE: 8020m TO CH: 8740m

NORTH	DRAWN BY: P. BISHT	CHECKED BY: D.S	VERIFIED BY: P. Kundu	APPROVED BY: P. Banerjee
DATE: 20.04.2026	REV: R0	SCALE: NTS	SHEET NO. 13 OF 18	SHEET SIZE A1
ORDER N° P36-0022	DRAWING NUMBER: NGNE-ALG-TED-STR-10002	TENDER		

GENERAL NOTES:

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- ALL DOOR/WINDOW CILL & LINTEL LEVELS ARE MEASURED FROM MAIN FLOOR FINISHED LEVELS.

REFERENCE DRAWINGS

REVISION	DESCRIPTION	DRAWING NO.

REVISIONS

REV.	DESCRIPTION	DATE	DRAWN BY	CHECKED BY
R0	INITIAL DRAWING	20.04.2026	PB	D.S

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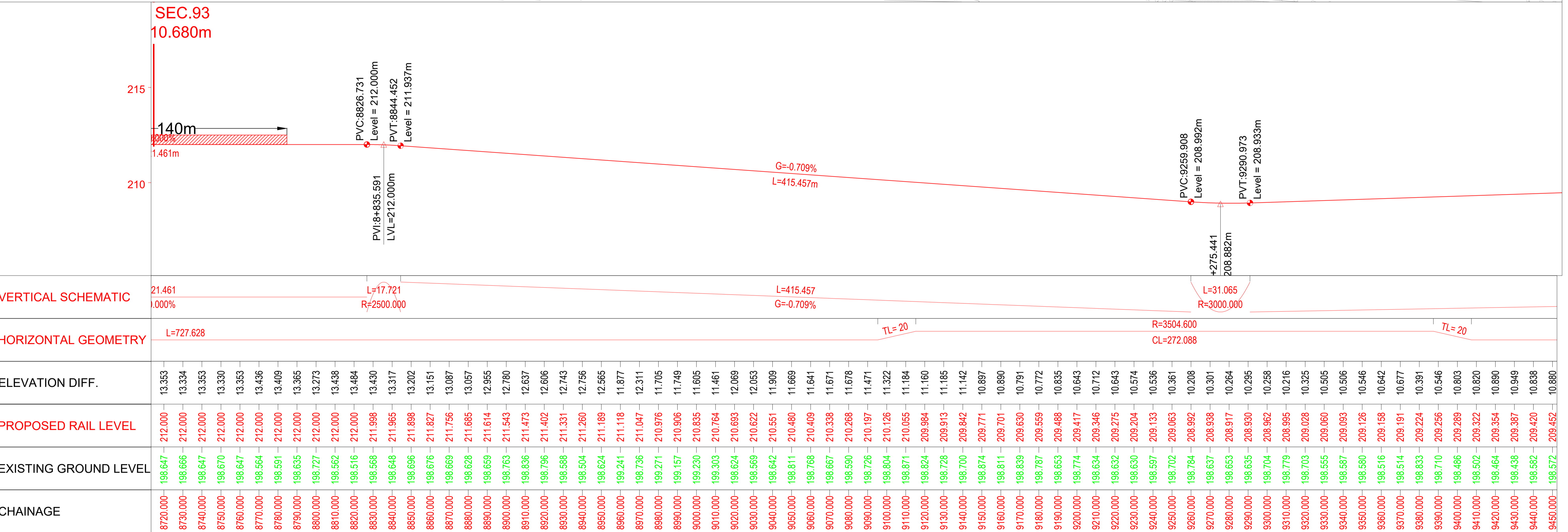
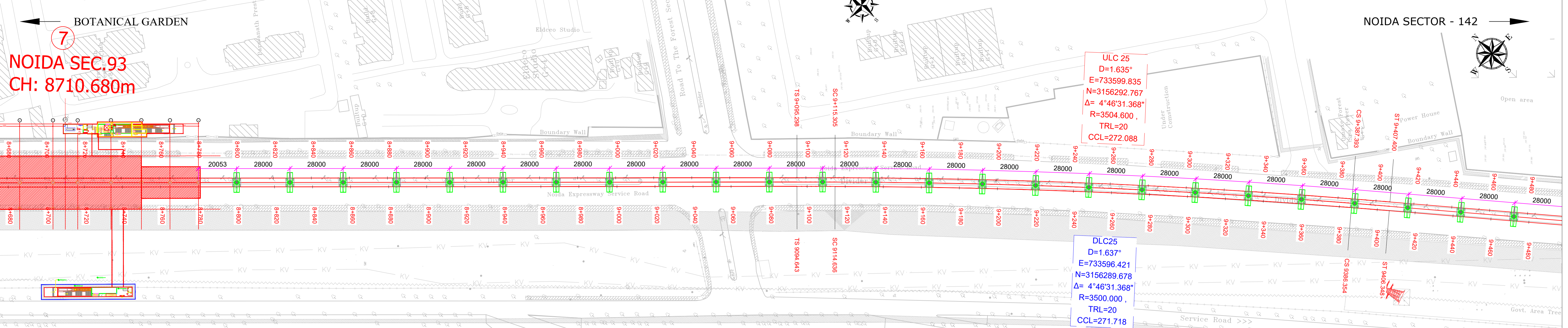
Certified that this document has been designed and checked in accordance with DDC Quality Assurance Plan.

Architecture Design In-charge/ Coordinator
Structure Design In-charge/ Coordinator
E&M Design In-charge/ Coordinator

DETAIL DESIGN CONSULTANT :

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Ayesa India Private Limited
D 99, 3rd Floor, Sector 2, Noida -201301, Gautam
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Tel.: +(91) 120 490 8800, Email: dcdd05@ayesa.com

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VERTICAL SCHEMATIC	HORIZONTAL GEOMETRY	ELEVATION DIFF.	PROPOSED RAIL LEVEL	EXISTING GROUND LEVEL	CHAINAGE
21.461 0.000%	L=727.628	13.353	212.000	198.647	8720.000
L=17.721 R=2500.000		13.334	212.000	198.666	8730.000
		13.353	212.000	198.647	8740.000
		13.330	212.000	198.670	8750.000
		13.353	212.000	198.647	8760.000
		13.436	212.000	198.564	8770.000
		13.409	212.000	198.591	8780.000
		13.365	212.000	198.635	8790.000
		13.273	212.000	198.727	8800.000
		13.438	212.000	198.562	8810.000
		13.484	212.000	198.516	8820.000
		13.430	211.998	198.588	8830.000
		13.317	211.965	198.648	8840.000
		13.202	211.898	198.696	8850.000
		13.151	211.827	198.676	8860.000
		13.087	211.756	198.669	8870.000
		13.057	211.685	198.628	8880.000
		12.955	211.614	198.659	8890.000
		12.780	211.543	198.763	8900.000
		12.637	211.473	198.836	8910.000
		12.606	211.402	198.796	8920.000
		12.743	211.331	198.588	8930.000
		12.756	211.260	198.504	8940.000
		12.565	211.189	198.624	8950.000
		11.877	211.118	199.241	8960.000
		12.311	211.047	198.736	8970.000
		11.705	210.976	199.271	8980.000
		11.749	210.906	199.157	8990.000
		11.605	210.835	199.230	9000.000
		11.461	210.764	199.303	9010.000
		12.069	210.693	198.624	9020.000
		12.053	210.622	198.569	9030.000
		11.909	210.551	198.642	9040.000
		11.669	210.480	198.811	9050.000
		11.641	210.409	198.768	9060.000
		11.671	210.338	198.667	9070.000
		11.678	210.268	198.590	9080.000
		11.471	210.197	198.726	9090.000
		11.322	210.126	198.804	9100.000
		11.184	210.055	198.871	9110.000
		11.160	209.984	198.824	9120.000
		11.185	209.913	198.728	9130.000
		11.142	209.842	198.700	9140.000
		10.897	209.771	198.874	9150.000
		10.890	209.701	198.811	9160.000
		10.791	209.630	198.839	9170.000
		10.772	209.559	198.787	9180.000
		10.835	209.488	198.653	9190.000
		10.643	209.417	198.774	9200.000
		10.712	209.346	198.634	9210.000
		10.643	209.275	198.632	9220.000
		10.574	209.204	198.630	9230.000
		10.536	209.133	198.597	9240.000
		10.361	209.063	198.702	9250.000
		10.208	208.992	198.784	9260.000
		10.301	208.938	198.637	9270.000
		10.264	208.917	198.653	9280.000
		10.295	208.930	198.635	9290.000
		10.258	208.962	198.704	9300.000
		10.216	208.995	198.779	9310.000
		10.325	209.028	198.703	9320.000
		10.505	209.060	198.555	9330.000
		10.506	209.093	198.587	9340.000
		10.546	209.126	198.580	9350.000
		10.642	209.158	198.516	9360.000
		10.677	209.191	198.514	9370.000
		10.391	209.224	198.833	9380.000
		10.546	209.256	198.710	9390.000
		10.803	209.289	198.486	9400.000
		10.820	209.322	198.502	9410.000
		10.890	209.354	198.464	9420.000
		10.949	209.387	198.438	9430.000
		10.838	209.420	198.582	9440.000
		10.880	209.452	198.572	9450.000

TENDER DRAWING

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NOIDA METRO RAIL CORPORATION LTD.
Block-III, 3rd Floor, Ganga Shopping Complex, Sector-29, Noida -201301, District Gautam Budh Nagar, Uttar Pradesh, India

PROJECT: NGNECC-01: Part Design & Construction of Elevated Viaduct and 10 nos. of Elevated Stations for Extension Projects of NMRC's Aqua Line from Botanical Garden to Noida Sec-142 (from Chainage (-) 383.959 to 12130.143) and from Depot Station to Boraki MMTH (Chainage 28678.253 to 31263.482).

VIADUCT
DRAWING TITLE: GENERAL ARRANGEMENT DRAWING PLAN AND PROFILE FROM CH UP LINE: 8720m TO CH: 9440m

NORTH	DRAWN BY: P. BISHT	CHECKED BY: D.S	VERIFIED BY: P. Kundu	APPROVED BY: P. Banerjee
DATE: 20.04.2026	REV: R0	SCALE: NTS	STATUS: TENDER	NGMEDC
ORDER N° P36-0022	DRAWING NUMBER: NGNE-ALG-TED-STR-10002	SHEET NO. 14 OF 18	SHEET SIZE A1	

GENERAL NOTES:

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REVISION	DESCRIPTION	DRAWING NO.

REVISIONS

REV.	DESCRIPTION	DATE	DRAWN BY	CHECKED BY
R0	INITIAL DRAWING	20.04.2026	PB	D.S

APPROVAL OF NMRC OFFICIALS

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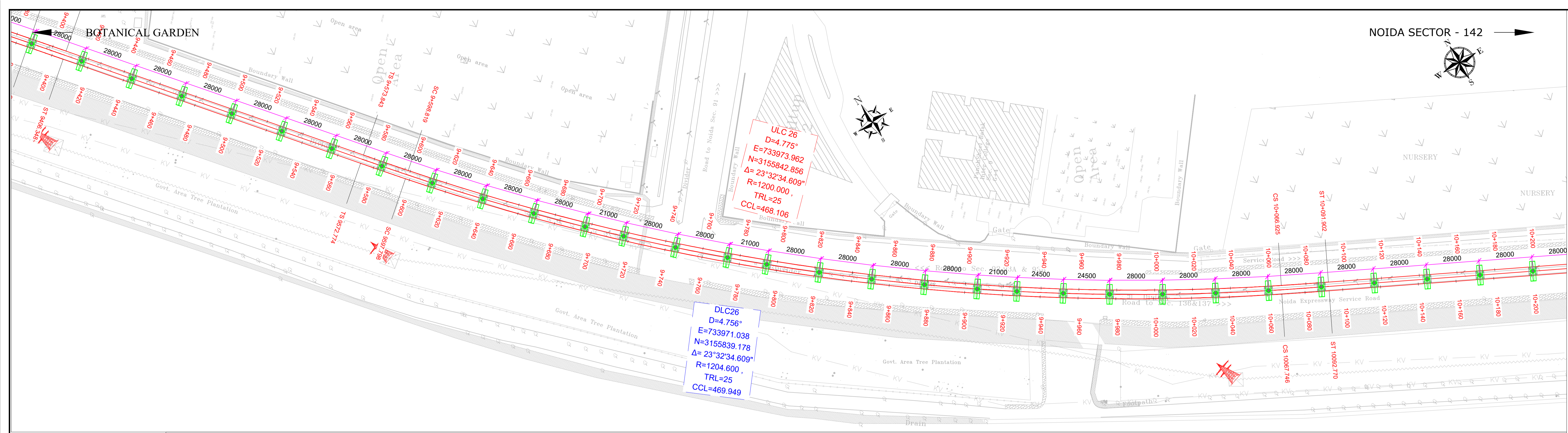
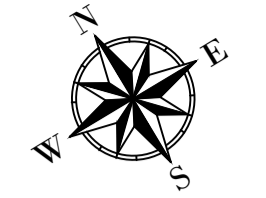
Architecture Design In-charge/ Coordinator: _____
Structure Design In-charge/ Coordinator: _____
E&M Design In-charge/ Coordinator: _____

Authorised Signatory for DDC, NGNEDDC Project Manager

DETAIL DESIGN CONSULTANT:

ayesa
Ayesa India Private Limited
D 99, 3rd Floor, Sector 2, Noida -201301, Gautam Budh Nagar, Uttar Pradesh
Tel.: +(91) 120 490 8800, Email: dcdd05@ayesa.com

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215	PVC:10+158.610 Level = 211.767m
210	PVI:10+168.610
VERTICAL SCHEMATIC	L=867.636m G=0.327%
HORIZONTAL GEOMETRY	L=166.443 TL=25 R=1200.000 CL=468.106 TL=25
ELEVATION DIFF.	10.838 10.880 10.888 10.679 11.135 11.081 11.073 11.147 11.132 11.125 11.177 11.389 11.142 11.128 11.168 11.353 11.148 11.099 11.172 11.370 11.240 11.280 11.479 11.317 11.118 11.512 11.455 11.165 11.581 11.819 11.785 11.814 11.812 11.662 11.770 11.758 11.734 11.889 11.908 11.801 11.985 12.059 11.847 11.452 11.720 11.701 11.630 11.710 11.749 12.446 12.513 12.476 12.464 12.569 12.743 12.397 12.746 12.987 13.071 12.816 12.868 12.920 13.018 13.147 13.247 13.444 13.370 13.481 13.739 13.715 13.720
PROPOSED RAIL LEVEL	209.420 209.452 209.485 209.518 209.550 209.583 209.616 209.649 209.681 209.714 209.747 209.779 209.812 209.845 209.877 209.910 209.943 209.975 210.008 210.041 210.073 210.106 210.139 210.171 210.204 210.237 210.269 210.302 210.335 210.367 210.400 210.433 210.465 210.498 210.531 210.563 210.596 210.629 210.661 210.694 210.727 210.759 210.792 210.825 210.857 210.890 210.923 210.955 210.988 211.021 211.053 211.086 211.119 211.151 211.184 211.217 211.249 211.282 211.315 211.347 211.380 211.413 211.445 211.478 211.511 211.543 211.576 211.609 211.641 211.674 211.707 211.739 211.772 211.804
EXISTING GROUND LEVEL	198.582 198.572 198.597 198.839 198.415 198.502 198.543 198.502 198.549 198.589 198.570 198.390 198.670 198.717 198.709 198.557 198.795 198.876 198.836 198.671 198.833 198.826 198.660 198.854 199.086 198.725 198.814 199.137 198.754 198.548 198.615 198.836 198.761 198.805 198.862 198.740 198.753 198.893 198.742 198.700 198.945 199.373 199.137 199.189 199.293 199.245 199.239 198.575 198.540 198.610 198.655 198.582 198.441 198.820 198.503 198.295 198.244 198.531 198.512 198.493 198.427 198.331 198.264 198.099 198.206 198.208 198.188 198.304 198.226 198.000 198.057 198.056
CHAINAGE	9440.000 9450.000 9460.000 9470.000 9480.000 9490.000 9500.000 9510.000 9520.000 9530.000 9540.000 9550.000 9560.000 9570.000 9580.000 9590.000 9600.000 9610.000 9620.000 9630.000 9640.000 9650.000 9660.000 9670.000 9680.000 9690.000 9700.000 9710.000 9720.000 9730.000 9740.000 9750.000 9760.000 9770.000 9780.000 9790.000 9800.000 9810.000 9820.000 9830.000 9840.000 9850.000 9860.000 9870.000 9880.000 9890.000 9900.000 9910.000 9920.000 9930.000 9940.000 9950.000 9960.000 9970.000 9980.000 9990.000 10000.000 10010.000 10020.000 10030.000 10040.000 10050.000 10060.000 10070.000 10080.000 10090.000 10100.000 10110.000 10120.000 10130.000 10140.000 10150.000 10160.000 10170.000

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VIADUCT
DRAWING TITLE: GENERAL ARRANGEMENT DRAWING PLAN AND PROFILE FROM CH UP LINE: 9440m TO CH: 10160m

NORTH	DRAWN BY: P. BISHT	CHECKED BY: D.S	VERIFIED BY: P. Kundu	APPROVED BY: P. Banerjee
DATE: 20.04.2026	REV: R0	SCALE: NTS	STATUS: TENDER	NGMEDC
ORDER N° P36-0022	DRAWING NUMBER: NGNE-ALG-TED-STR-10002	SHEET NO. 15 OF 18	SHEET SIZE A1	

GENERAL NOTES:

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REFERENCE DRAWINGS

REVISION	DESCRIPTION	DRAWING NO.

REVISIONS					APPROVAL OF NMRC OFFICIALS				
REV.	DESCRIPTION	DATE	DRAWN BY	CHECKED BY					
R0	INITIAL DRAWING	20.04.2026	PB	D.S					

Certified that this document has been designed and checked in accordance with DDC Quality Assurance Plan.

Architecture Design In-charge/ Coordinator: **ayesa**
Structure Design In-charge/ Coordinator: **ayesa**
E&M Design In-charge/ Coordinator: **ayesa**

Authorised Signatory for DDC, NGNEDDC Project Manager

DETAIL DESIGN CONSULTANT : **ayesa**

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Budh Nagar, Uttar Pradesh
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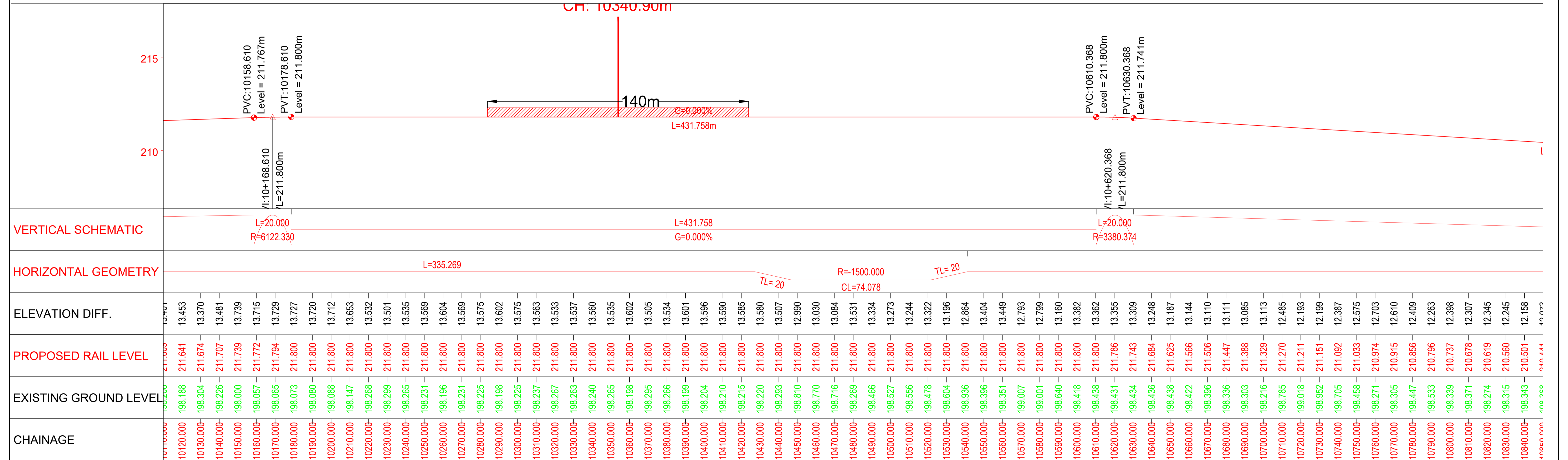
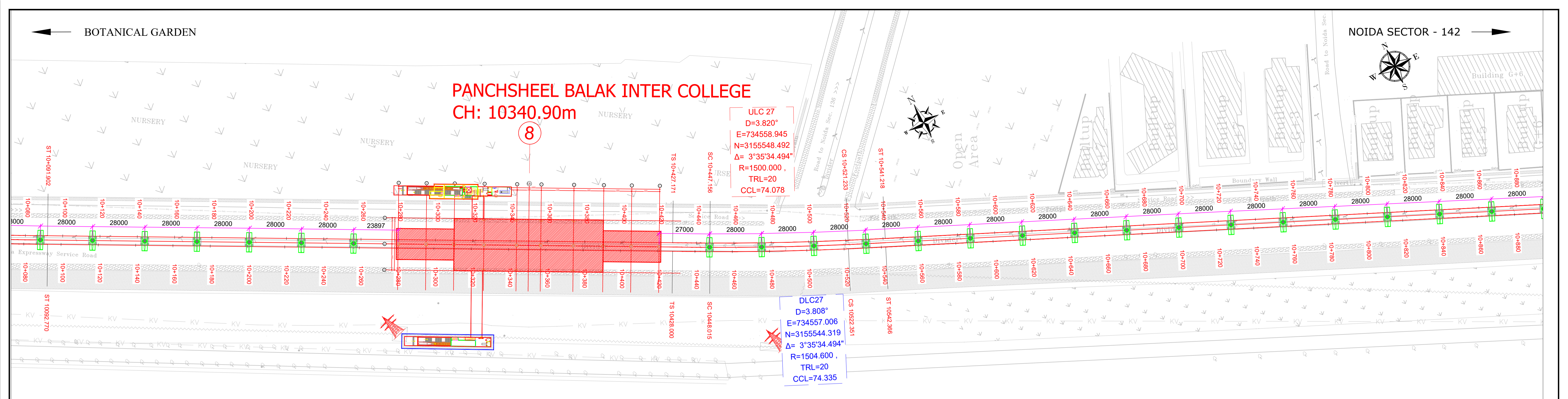
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PANCHSHEEL BALAK INTER COLLEGE
CH: 10340.90m

8

ULC 27
D=3.820°
E=734558.945
N=3155548.492
Δ= 3°35'34.494"
R=1500.000
TRL=20
CCL=74.078

DLC27
D=3.808°
E=734557.006
N=3155544.319
Δ= 3°35'34.494"
R=1504.600
TRL=20
CCL=74.335



VERTICAL SCHEMATIC	HORIZONTAL GEOMETRY	ELEVATION DIFF.	PROPOSED RAIL LEVEL	EXISTING GROUND LEVEL	CHAINAGE
L=20.000 R=6122.330	L=335.269	13.453	211.641	198.188	10120.000
L=431.758 G=0.000%	TL=20	13.370	211.674	198.304	10130.000
L=20.000 R=3380.374	R=1500.000 CL=74.078 TL=20	13.481	211.707	198.226	10140.000
		13.739	211.739	198.000	10150.000
		13.715	211.772	198.057	10160.000
		13.729	211.794	198.065	10170.000
		13.727	211.800	198.073	10180.000
		13.720	211.800	198.080	10190.000
		13.712	211.800	198.088	10200.000
		13.653	211.800	198.147	10210.000
		13.532	211.800	198.268	10220.000
		13.501	211.800	198.299	10230.000
		13.535	211.800	198.265	10240.000
		13.569	211.800	198.231	10250.000
		13.604	211.800	198.196	10260.000
		13.569	211.800	198.231	10270.000
		13.575	211.800	198.225	10280.000
		13.602	211.800	198.198	10290.000
		13.575	211.800	198.225	10300.000
		13.563	211.800	198.237	10310.000
		13.533	211.800	198.267	10320.000
		13.537	211.800	198.263	10330.000
		13.560	211.800	198.240	10340.000
		13.535	211.800	198.265	10350.000
		13.602	211.800	198.198	10360.000
		13.505	211.800	198.295	10370.000
		13.534	211.800	198.266	10380.000
		13.601	211.800	198.199	10390.000
		13.596	211.800	198.204	10400.000
		13.590	211.800	198.210	10410.000
		13.585	211.800	198.215	10420.000
		13.580	211.800	198.220	10430.000
		13.507	211.800	198.293	10440.000
		12.990	211.800	198.810	10450.000
		13.030	211.800	198.770	10460.000
		13.084	211.800	198.716	10470.000
		13.531	211.800	198.269	10480.000
		13.334	211.800	198.466	10490.000
		13.273	211.800	198.527	10500.000
		13.244	211.800	198.556	10510.000
		13.322	211.800	198.478	10520.000
		13.196	211.800	198.604	10530.000
		12.864	211.800	198.936	10540.000
		13.404	211.800	198.396	10550.000
		13.449	211.800	198.351	10560.000
		12.793	211.800	199.007	10570.000
		12.799	211.800	199.001	10580.000
		13.160	211.800	198.640	10590.000
		13.382	211.800	198.418	10600.000
		13.362	211.800	198.438	10610.000
		13.355	211.786	198.431	10620.000
		13.309	211.743	198.434	10630.000
		13.248	211.684	198.436	10640.000
		13.187	211.625	198.438	10650.000
		13.144	211.566	198.422	10660.000
		13.110	211.506	198.396	10670.000
		13.111	211.447	198.336	10680.000
		13.085	211.388	198.303	10690.000
		13.113	211.329	198.216	10700.000
		12.485	211.270	198.785	10710.000
		12.193	211.211	199.018	10720.000
		12.199	211.151	198.952	10730.000
		12.387	211.092	198.705	10740.000
		12.575	211.033	198.458	10750.000
		12.703	210.974	198.271	10760.000
		12.610	210.915	198.305	10770.000
		12.409	210.856	198.447	10780.000
		12.263	210.796	198.533	10790.000
		12.398	210.737	198.339	10800.000
		12.307	210.678	198.371	10810.000
		12.345	210.619	198.274	10820.000
		12.245	210.560	198.315	10830.000
		12.158	210.501	198.343	10840.000
		12.072	210.444	198.268	10850.000

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Block-III, 3rd Floor, Ganga Shopping Complex, Sector-29, Noida -201301,
District Gautam Budh Nagar, Uttar Pradesh, India

PROJECT: NGNECC-01: Part Design & Construction of Elevated Viaduct and 10 nos. of Elevated Stations for Extension Projects of NMRC's Aqua Line from Botanical Garden to Noida Sec-142 (from Chainage (-) 383.959 to 12130.143) and from Depot Station to Boraki MMTH (Chainage 28678.253 to 31263.482).

VIADUCT
DRAWING TITLE: GENERAL ARRANGEMENT DRAWING PLAN AND PROFILE FROM CH UP LINE: 10120m TO CH: 10840m

NORTH	DRAWN BY: P. BISHT	CHECKED BY: D.S	VERIFIED BY: P. Kundu	APPROVED BY: P. Banerjee
DATE: 20.04.2026	REV: R0	SCALE: NTS	STATUS: TENDER	NGMEDC
ORDER N° P36-0022	DRAWING NUMBER: NGNE-ALG-TED-STR-10002	SHEET NO. 16 OF 18	SHEET SIZE A1	

GENERAL NOTES:

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- ALL DOOR/WINDOW CILL & LINTEL LEVELS ARE MEASURED FROM MAIN FLOOR FINISHED LEVELS.

REFERENCE DRAWINGS

REVISION	DESCRIPTION	DRAWING NO.

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REV.	DESCRIPTION	DATE	DRAWN BY	CHECKED BY
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Authorised Signatory for DDC. NGNEDDC Project Manager

Architecture Design In-charge/ Coordinator
Structure Design In-charge/ Coordinator
E&M Design In-charge/ Coordinator

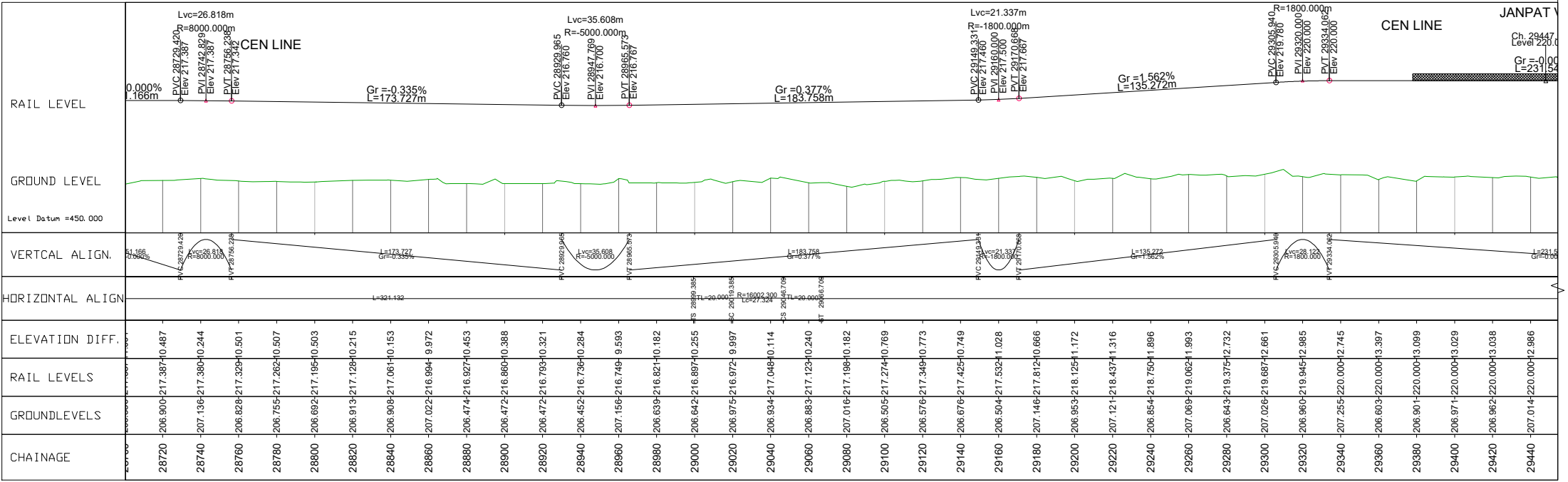
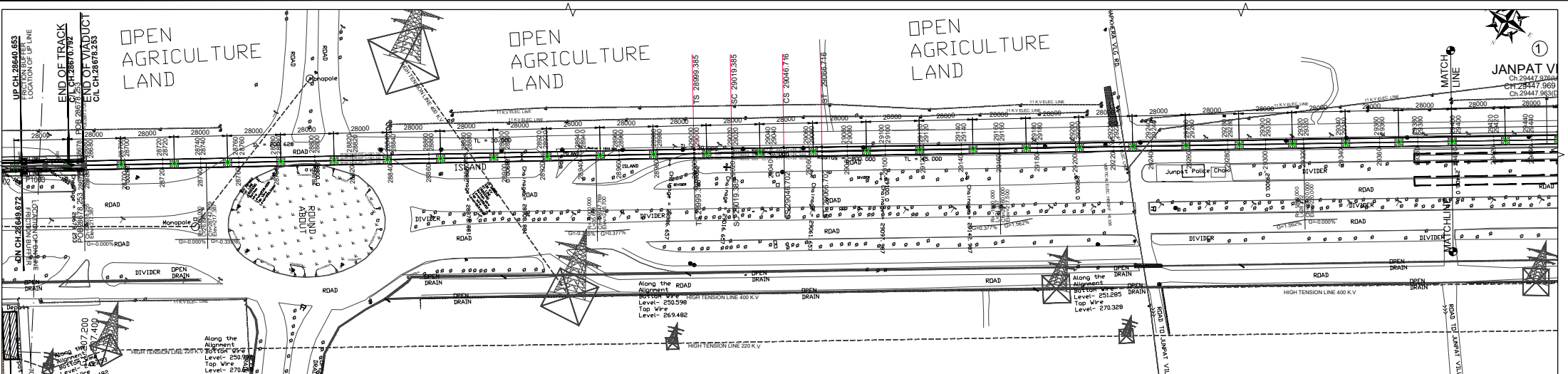
DETAIL DESIGN CONSULTANT :

ayesa
Ayesa India Private Limited
D 99, 3rd Floor, Sector 2, Noida -201301, Gautam
Budh Nagar, Uttar Pradesh
Tel.: +(91) 120 490 8800, Email: dcdd05@ayesa.com

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JANPAT V
Ch. 29447.9264
Ch. 29447.969
Ch. 29447.9631



ELEVATION DIFF.	28720	-206.900	-217.387	+0.487	28740	-207.136	-217.380	+0.244	28760	-206.828	-217.329	+0.501	28780	-206.755	-217.262	+0.507	28800	-206.692	-217.195	+0.503	28820	-206.913	-217.128	+0.215	28840	-206.908	-217.061	+0.153	28860	-207.022	-216.994	+0.972	28880	-206.474	-216.927	+0.453	28900	-206.472	-216.860	+0.388	28920	-206.472	-216.793	+0.321	28940	-206.452	-216.736	+0.284	28960	-207.156	-216.749	+0.593	28980	-206.639	-216.821	+0.182	29000	-206.642	-216.897	+0.255	29020	-206.975	-216.972	+0.997	29040	-206.934	-217.048	+0.114	29060	-206.883	-217.123	+0.240	29080	-207.016	-217.198	+0.182	29100	-206.505	-217.274	+0.769	29120	-206.576	-217.349	+0.773	29140	-206.676	-217.425	+0.749	29160	-206.504	-217.532	+1.028	29180	-207.146	-217.612	+0.866	29200	-206.953	-218.125	+1.172	29220	-207.121	-218.437	+1.316	29240	-206.854	-218.750	+1.896	29260	-207.069	-219.062	+1.993	29280	-206.643	-219.375	+2.732	29300	-207.026	-219.687	+2.661	29320	-206.960	-219.945	+2.985	29340	-207.255	-220.000	+2.745	29360	-206.603	-220.000	+3.397	29380	-206.901	-220.000	+3.099	29400	-206.971	-220.000	+3.029	29420	-206.962	-220.000	+3.038	29440	-207.014	-220.000	+2.986
CHAINAGE	28720				28740				28760				28780				28800				28820				28840				28860				28880				29000				29020				29040				29060				29080				29100				29120				29140				29160				29180				29200				29220				29240				29260				29280				29300				29320				29340				29360				29380				29400				29420				29440																							

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Noida Metro Rail Corporation Ltd.
Block-III, 3rd Floor, Ganga Shopping Complex, Sector-29, Noida -201301,
District Gautam Budh Nagar, Uttar Pradesh, India

PROJECT: NGNECC-01: Part Design & Construction of Elevated Viaduct and 10 nos. of Elevated Stations for Extension Projects of NMRC's Aqua Line from Botanical Garden to Noida Sec-142 (from Chainage (-) 383.959 to 12130.143) and from Depot Station to Boraki MMTH (Chainage 28678.253 to 31263.482).

DRAWING TITLE: GENERAL ARRANGEMENT DRAWING PLAN AND PROFILE FROM CH. 28720m TO CH. 29440m

NORTH	DRAWN BY: P. BISHT	CHECKED BY: D.S.	VERIFIED BY: P. KUNDU	APPROVED BY: P. BANERJEE
	DATE: 12-02-2026	REV: R0	SCALE: 1:1	STATUS: TENDER
ORDER NO: P36-002	DRAWING NUMBER: NGNE-ALG-TED-STR-10001	SHEET NO: 01 OF 04	NTS	SHEET SIZE: A1

GENERAL NOTES:

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REV.	DESCRIPTION	DATE	DRAWN BY	CHECKED BY
R0	INITIAL DRAWING	12-02-2026	PB	D.S.

REVISIONS

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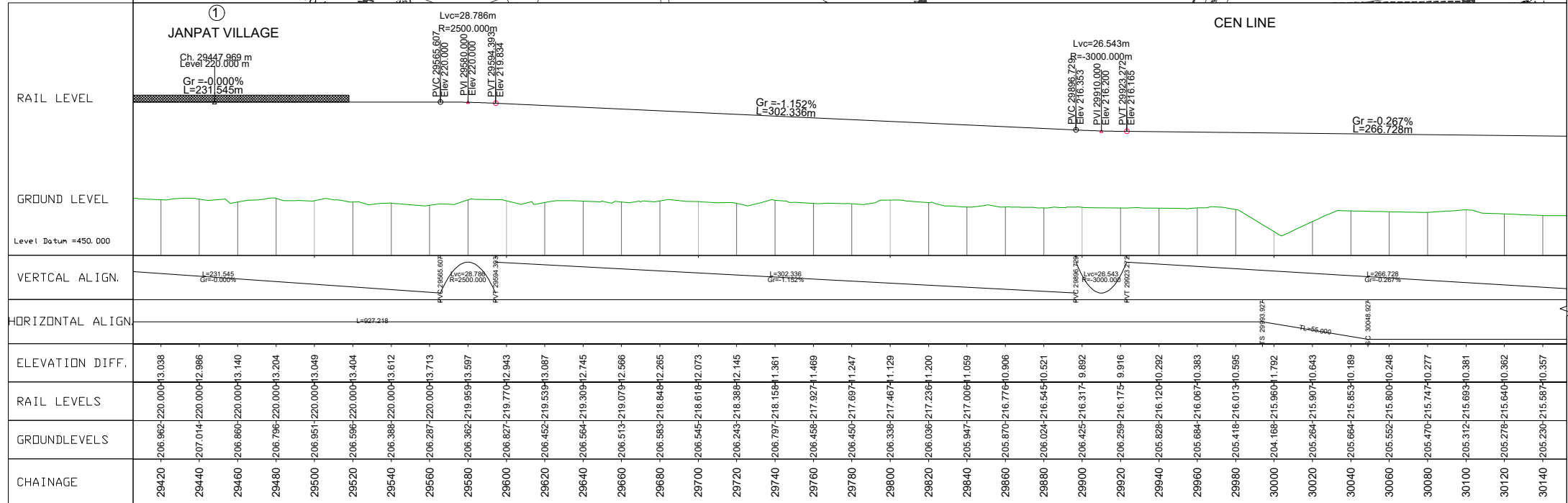
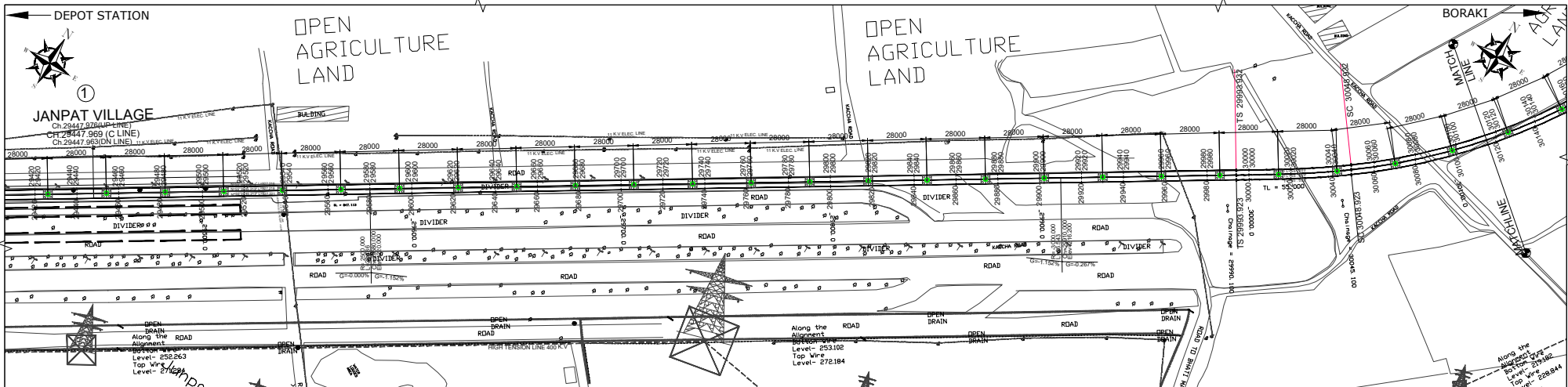
Authorised Signatory for DDC: NGNEDDC Project Manager

Architecture Design In-charge/ Coordinator	Structure Design In-charge/ Coordinator	E&M Design In-charge/ Coordinator
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DETAIL DESIGN CONSULTANT:

ayesa
Ayesa India Private Limited
D 99, 3rd Floor, Sector 2, Noida -201301, Gautam
Buddh Nagar, Uttar Pradesh
Tel.: +(91) 120 490 8800, Email: dcd05@aiesya.com

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DRAWING TITLE: GENERAL ARRANGEMENT DRAWING PLAN AND PROFILE FROM CH: 28440m TO CH: 30140m

NORTH	DRAWN BY: P. BISHT	CHECKED BY: D.S.	APPROVED BY: P. Banerjee
DATE: 12-02-2026	REV: R0	SCALE: NTS	SHEET NO: 02 OF 04
ORDER NO: P36-002	DRAWING NUMBER: NGNE-ALG-TED-STR-10001	SHEET NO: A1	SHEET SIZE: 11

GENERAL NOTES:

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REVISION	DESCRIPTION	DRAWING NO.

REV.	DESCRIPTION	DATE	DRAWN BY	CHECKED BY
R0	INITIAL DRAWING	12-02-2026	PB	D.S

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Authorised Signatory for DDC, NGNECC Project Manager

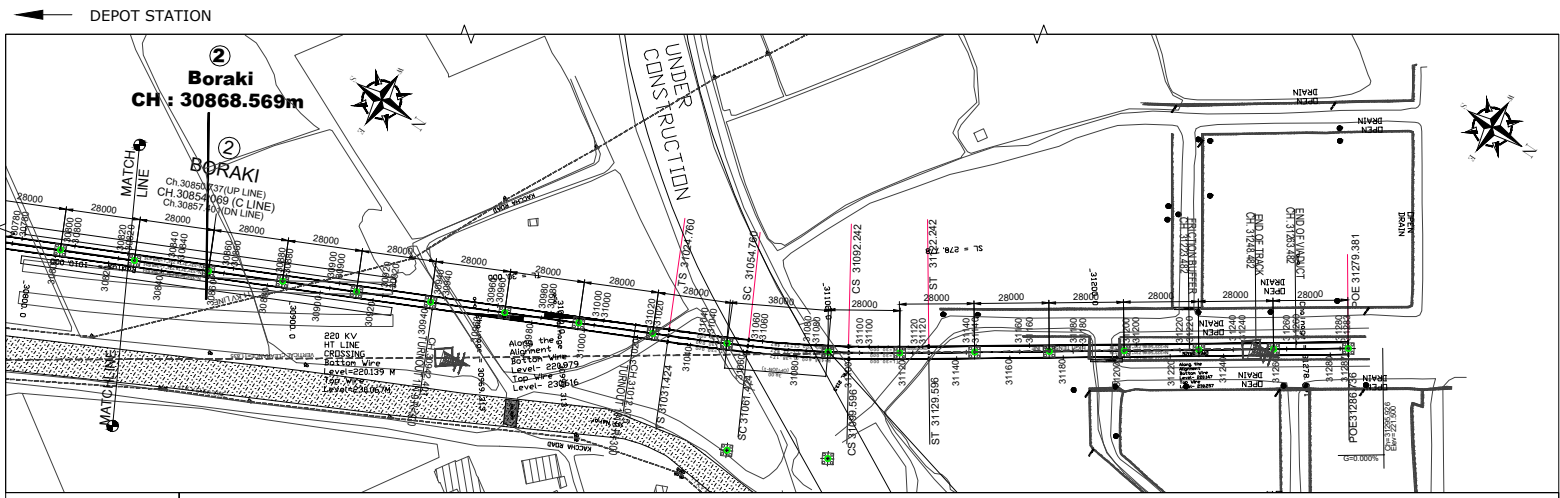
Architecture Design In-charge/ Coordinator	Structure Design In-charge/ Coordinator	E&M Design In-charge/ Coordinator
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DETAIL DESIGN CONSULTANT :

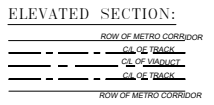
Ayesa India Private Limited
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Buzh Nagar, Uttar Pradesh
Tel: +(91) 120 490 8800, Email: dcd05@ayesa.com

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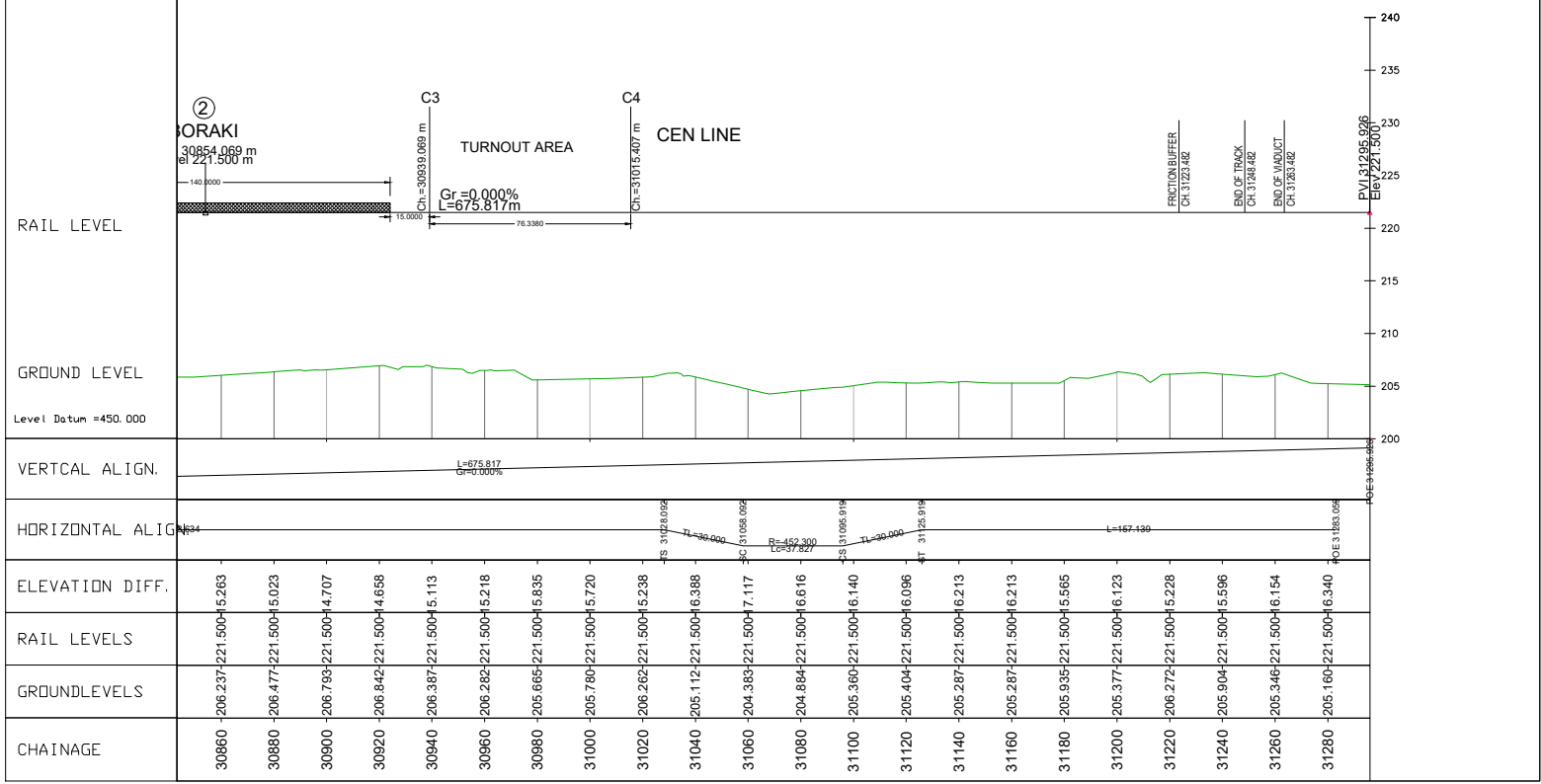
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 2. DIMENSIONS SHALL NOT BE SCALED FROM THE DRAWING. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
 3. THE SPAN ARRANGEMENT SHOWN MAY CHANGE AT CERTAIN LOCATIONS DEPENDING ON SITE CONSTRAINTS.
 4. THE GAD IS BASED ON THE EXISTING SURVEY CONDUCTED BY KPLI DTM HAS BEEN PREPARED ACCORDINGLY.
 5. ALL FOUNDATIONS SHOWN ARE TENTATIVE.



- LEGEND:**
- P — STANDARD PIER
 - CP — CANTILEVER PIER
 - PP — PORTAL PIER
 - SP — STATION PIER
 - CS — CURVE TO SPIRAL
 - SC — SPIRAL TO CURVE
 - ST — SPIRAL TO TANGENT
 - TS — TANGENT TO SPIRAL
 - SS — SPIRAL TO SPIRAL
 - SL — STRAIGHT LENGTH
 - ELE — ELEVATION
 - E — EASTING
 - N — NORTHING
 - G — GRADIENT
 - HIP — HORIZONTAL INTERSECTION POINT
 - D — DEGREE OF CURVE
 - L — GRADE LENGTH
 - TRL — TRANSITION LENGTH
 - TL — TANGENT LENGTH
 - R — RADIUS
 - CA — APPLIED CANT
 - CD — CANT DEFICIENCY
 - PVI — POINT OF VERTICAL CURVE
 - SRJ — STOCK RAIL JOINT
 - CH — CHAINAGE
 - DELTA — DEFLECTION ANGLE
 - CL — CURVE LENGTH
 - UG — UNDER GROUND
 - ALIGNMENT LINE
 - ROAD EDGE LINE
 - MEDIAN EDGE LINE
 - CURVE & TRANSITION START & END
 - COVERED DRAIN
 - DRAIN



TENDER DRAWING

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PROJECT: NGNECC-01: Part Design & Construction of Elevated Viaduct and 10 nos. of Elevated Stations for Extension Projects of NMRC's Aqua Line from Botanical Garden to Noida Sec-142 (from Chainage (-) 383.959 to 12130.143) and from Depot Station to Boraki MMTH (Chainage 28678.253 to 31263.482).

VIADUCT
DRAWING TITLE: GENERAL ARRANGEMENT DRAWING PLAN AND PROFILE FROM CH: 30860m TO CH: 31280m

NORTH	DRAWN BY: P. BISHT	CHECKED BY: D.S.	VERIFIED BY: P. Banerjee
DATE: 12-02-2026	REV: R0	SCALE: 1:1	STATUS: TENDER
ORDER NO: PSE-002	DRAWING NUMBER: NONG-ALG-TED-STR-10001	SHEET NO: 04 OF 04	SHEET SIZE: A1

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 5. ALL DOOR/WINDOW GILL & LINTEL LEVELS ARE MEASURED FROM MAIN FLOOR FINISHED LEVELS.

REFERENCE DRAWINGS

REVISION	DESCRIPTION	DRAWING NO.

REVISION	DESCRIPTION	DRAWING NO.

REVISIONS

REV.	DESCRIPTION	DATE	DRAWN BY	CHECKED BY
R0	INITIAL DRAWING	12-02-2026	PB	D.S.

APPROVAL OF NMRC OFFICIALS

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Authorised Signatory for DDC, NGNECC Project Manager

Architecture Design In-charge/ Coordinator	Structure Design In-charge/ Coordinator	E&M Design In-charge/ Coordinator
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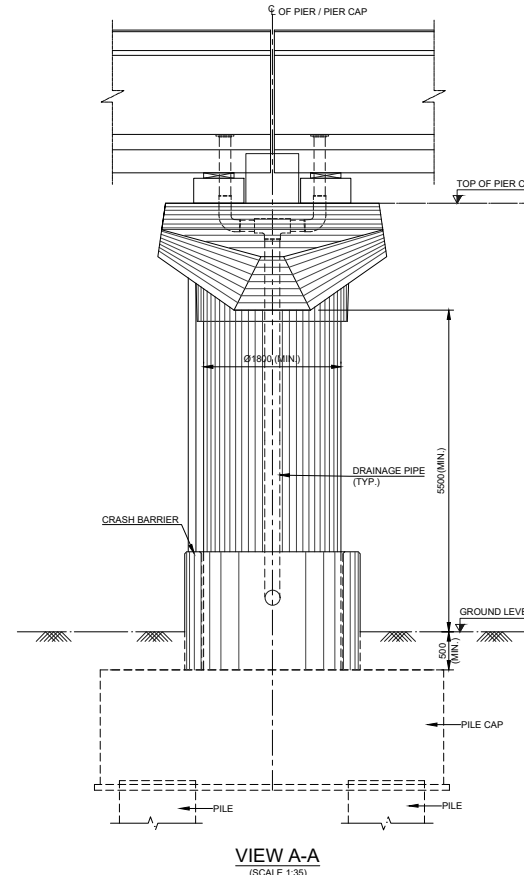
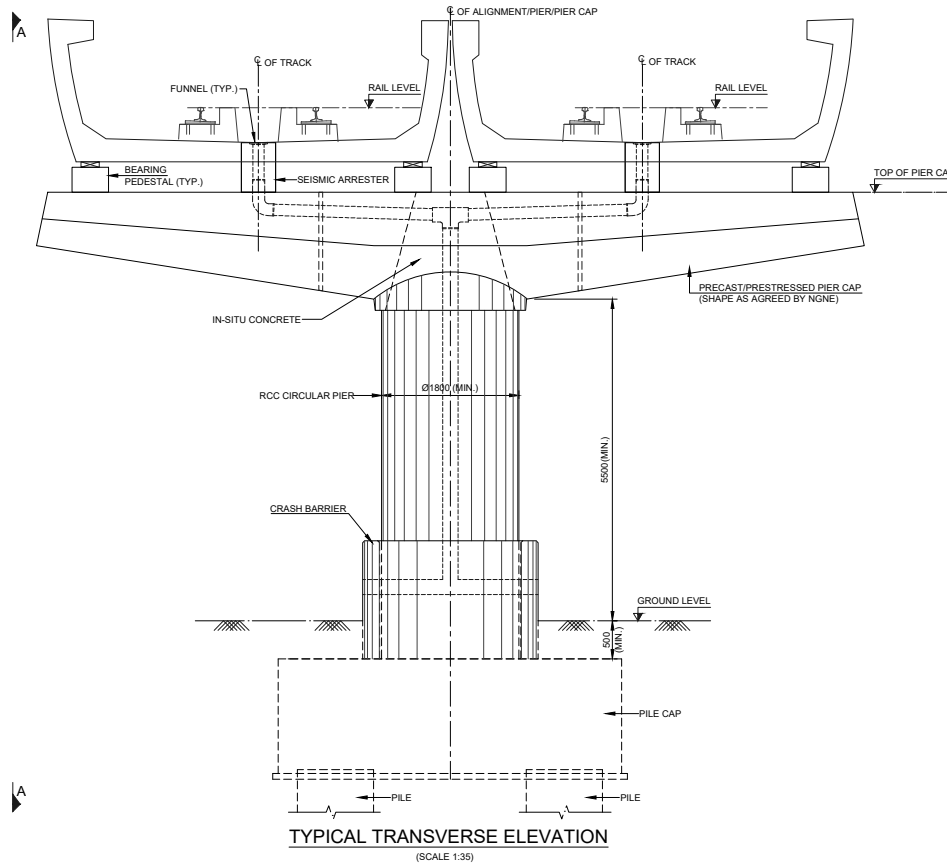
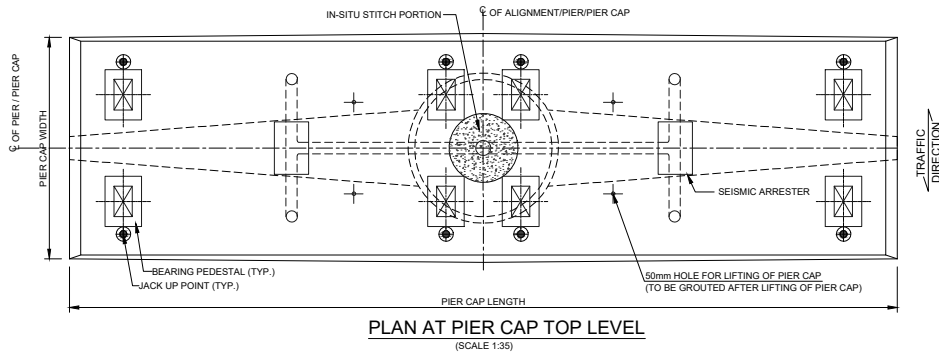
DETAIL DESIGN CONSULTANT :



Ayesa India Private Limited
D 99, 3rd Floor, Sector 2, Noida -201301, Gautam
Buddh Nagar, Uttar Pradesh
Tel.: +(91) 120 490 8800, Email: dcd05@ayesa.com

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PROJECT: NGNECC-01: Part Design & Construction of Elevated Viaduct and 10 nos. of Elevated Stations for Extension Projects of NMRC's Aqua Line from Botanical Garden to Noida Sec-142 (from Chainage (-) 383.959 to 12130.143) and from Depot Station to Boraki MMTH (Chainage 28678.253 to 31263.482).

VIADUCT
DRAWING TITLE: TYPICAL PIER CAP WITH U-GIRDER

NORTH	DRAWN BY: P. BISHT	CHECKED BY: D.S.	VERIFIED BY: P. Kundu	APPROVED BY: P. Banerjee
DATE: 27-03-2026	REV: R0	SCALE: NTS	SHEET NO: 01 OF 01	TENDER
ORDER NO: PSE-002	DRAWING NUMBER: NGNEVID-TED-STR-10101	SHEET SIZE: A1		

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 5. ALL DOOR/WINDOW GILL & LINTEL LEVELS ARE MEASURED FROM MAIN FLOOR FINISHED LEVELS.

REFERENCE DRAWINGS

REVISION	DESCRIPTION	DRAWING NO.

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REV.	DESCRIPTION	DATE	DRAWN BY	CHECKED BY
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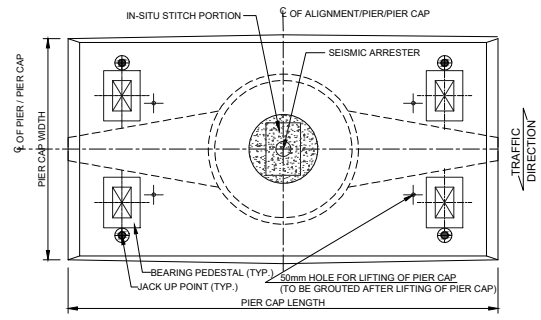
Architecture Design In-charge/ Coordinator	Structure Design In-charge/ Coordinator	E&M Design In-charge/ Coordinator
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DETAIL DESIGN CONSULTANT :

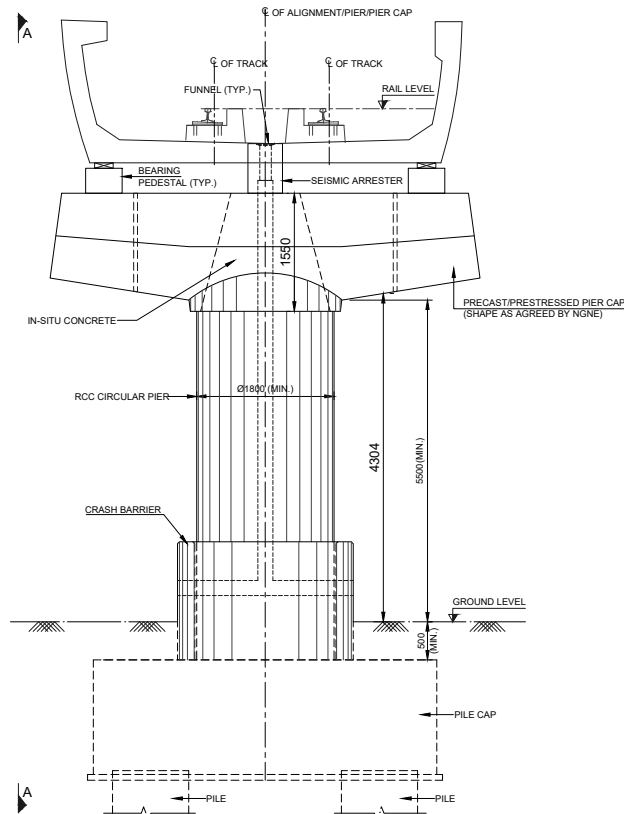


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Buzh Nagar, Uttar Pradesh
Tel.: +(91) 120 490 8800, Email: dcd05@ayesa.com

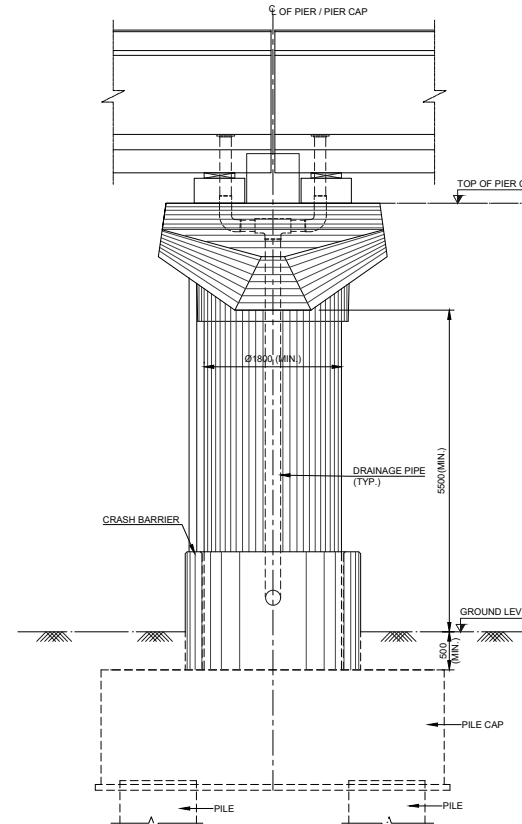
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PLAN AT PIER CAP TOP LEVEL
(SCALE 1:35)



TYPICAL TRANSVERSE ELEVATION
(SCALE 1:35)



VIEW A-A
(SCALE 1:35)

- NOTES**
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Block-III, 3rd Floor, Ganga Shopping Complex, Sector-29, Noida -201301, District Gautam Budh Nagar, Uttar Pradesh, India

PROJECT: NGNECC-01: Part Design & Construction of Elevated Viaduct and 10 nos. of Elevated Stations for Extension Projects of NMRC's Aqua Line from Botanical Garden to Noida Sec-142 (from Chainage (-) 383.959 to 12130.143) and from Depot Station to Boraki MMTH (Chainage 28678.253 to 31263.482).

VIADUCT
DRAWING TITLE: TYPICAL PIER CAP WITH SINGLE U-GIRDER

NORTH Z	DRAWN BY: P. BISHT	CHECKED BY: D.S.	VERIFIED BY: P. Kundu	APPROVED BY: P. Banerjee
	DATE: 27-03-2026	REV: R0	SCALE: NTS	TENDER
ORDER NO: P36-002	DRAWING NUMBER: NGNE-VID-TED-STR-10101A	SHEET NO: 01 OF 01	SHEET SIZE: A1	SCALE: NTS

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REFERENCE DRAWINGS

REVISION	DESCRIPTION	DRAWING NO.

REVISIONS

REV.	DESCRIPTION	DATE	DRAWN BY	CHECKED BY
R0	INITIAL DRAWING	27-03-2026	PB	D.S

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Authorised Signatory for DDC, NGNEDDC Project Manager

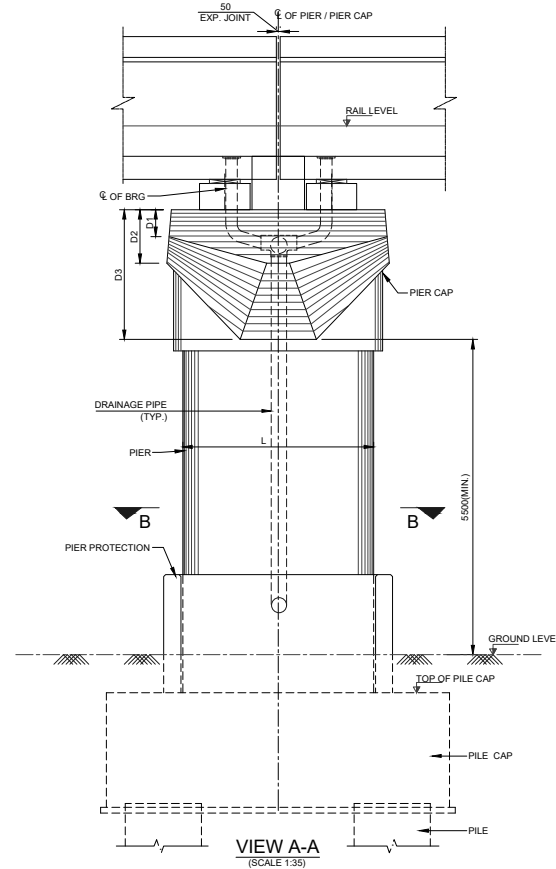
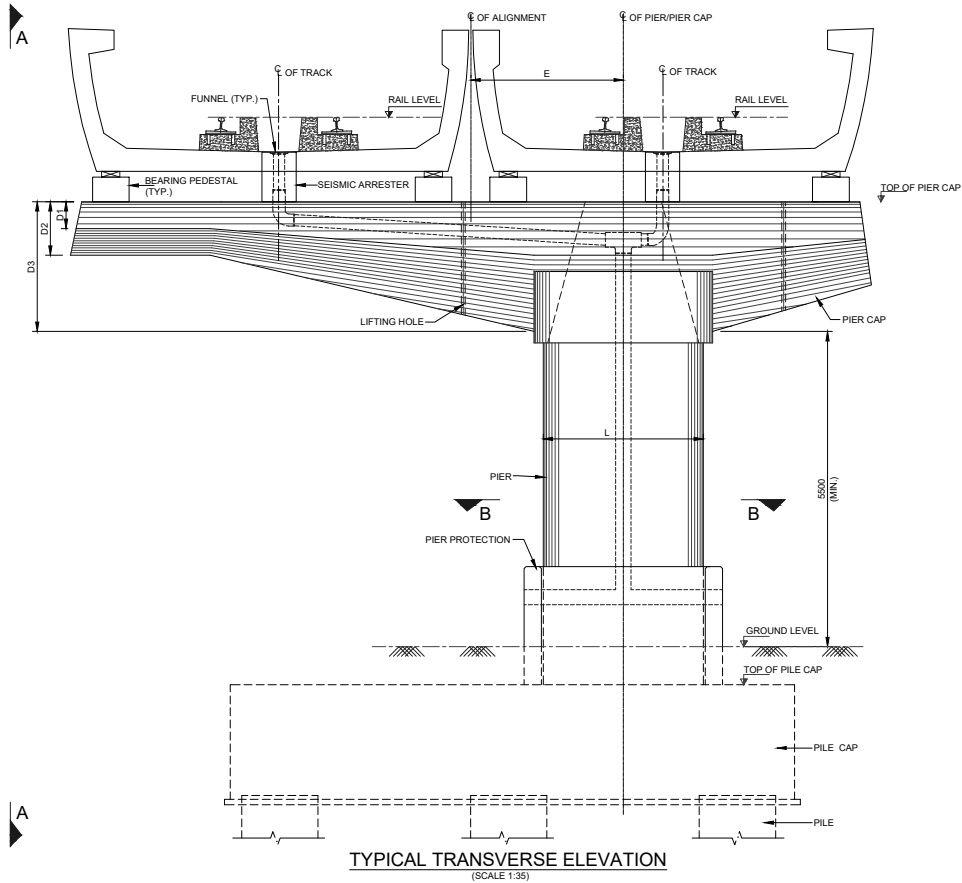
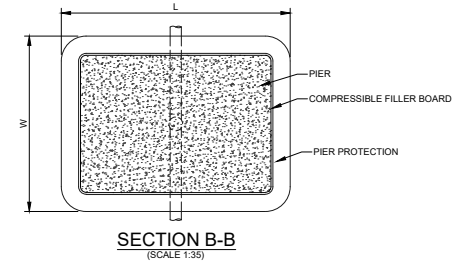
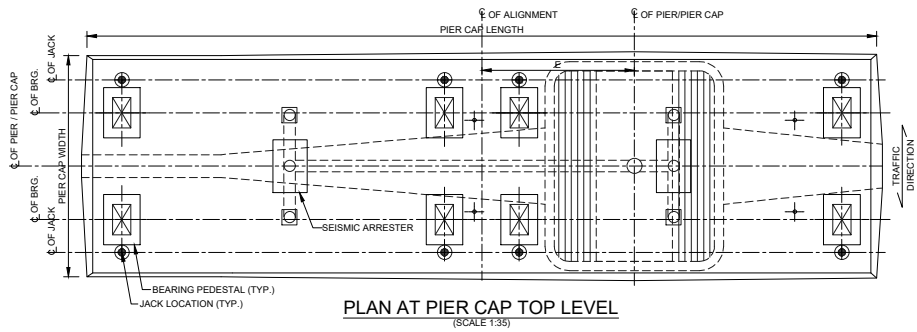
Architecture Design In-charge/ Coordinator	Structure Design In-charge/ Coordinator	E&M Design In-charge/ Coordinator
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DETAIL DESIGN CONSULTANT :



Ayesa India Private Limited
D 99, 3rd Floor, Sector 2, Noida -201301, Gautam
Buzh Nagar, Uttar Pradesh
Tel.: +(91) 120 490 8800, Email: dcd05@ayesa.com

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- DRAINAGE PIPE AND COMPRESSIBLE FILLER BOARD AS PER OCS SPECIFICATION.
- DIMENSIONS OF U-GIRDER, BEARING, PEDESTAL & SEISMIC ARRESTER AS PER STANDERED DRAWINGS PROVIDED BY NMRC.
- THIS ARRANGEMENT IS APPLICABLE FOR ECCENTRICITY $E \leq 2.0M$.
- DIMENSIONS OF D1, D2, D3 & L AS PER DETAIL DESIGN

- NOTES**
- ALL DIMENSIONS ARE IN MILLIMETERS. LEVELS AS METERS UNLESS OTHERWISE MENTIONED. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
 - ANY DISCREPANCIES MUST BE BROUGHT TO THE NOTICE OF THE CONSULTANT BEFORE EXECUTION OF WORK AT SITE.
 - FOUNDATION DETAILS SHOWN ARE INDICATIVE.

TENDER DRAWING

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NOIDA METRO RAIL CORPORATION LTD.
Block-III, 3rd Floor, Ganga Shopping Complex, Sector-29, Noida -201301, District Gautam Budh Nagar, Uttar Pradesh, India

PROJECT: NGNECC-01: Part Design & Construction of Elevated Viaduct and 10 nos. of Elevated Stations for Extension Projects of NMRC's Aqua Line from Botanical Garden to Noida Sec-142 (from Chainage (-) 383.959 to 12130.143) and from Depot Station to Boraki MMTH (Chainage 28678.253 to 31263.482).

VIADUCT
DRAWING TITLE: GENERAL ARRANGEMENT OF ECCENTRIC PIER CAP SUPPORTING U-GIRDERS

NORTH	DRAWN BY: P. BISHT	CHECKED BY: D.S	VERIFIED BY: P. Banerjee	APPROVED BY: P. Banerjee
DATE: 27-03-2026	REV: R0	SCALE: NTS	SHEET NO: 01 OF 01	TENDER
ORDER NO: PSE-002	DRAWING NUMBER: NGNE-VID-TED-STR-10102	SHEET SIZE: A1		

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- THIS DRAWING MUST BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL, STRUCTURAL, PLUMBING & FIRE FIGHTING, ELECTRICAL AND TRAFFIC MANAGEMENT DRAWINGS.
- ALL DOOR/WINDOW CILL & LINTEL LEVELS ARE MEASURED FROM MAIN FLOOR FINISHED LEVELS.

REVISION	DESCRIPTION	DRAWING NO.
R0	INITIAL DRAWING	

REVISIONS				
REV.	DESCRIPTION	DATE	DRAWN BY	CHECKED BY
R0	INITIAL DRAWING	27-03-2026	PB	D.S

APPROVAL OF NMRC OFFICIALS				

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Authorised Signatory for DDC, NGNEDDC Project Manager

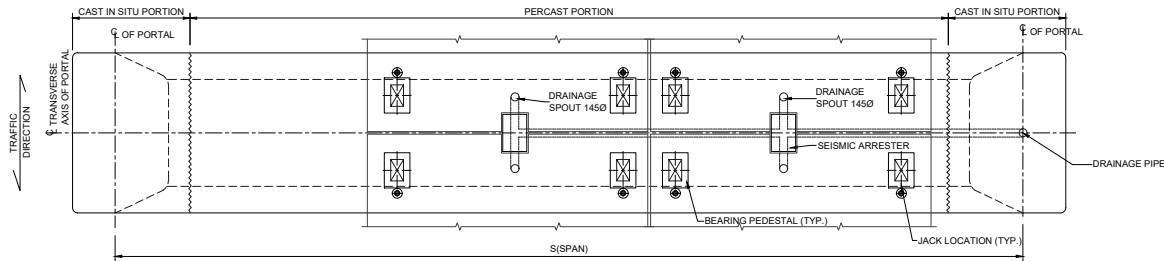
Architecture Design In-charge/ Coordinator	Structure Design In-charge/ Coordinator	E&M Design In-charge/ Coordinator
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DETAIL DESIGN CONSULTANT :

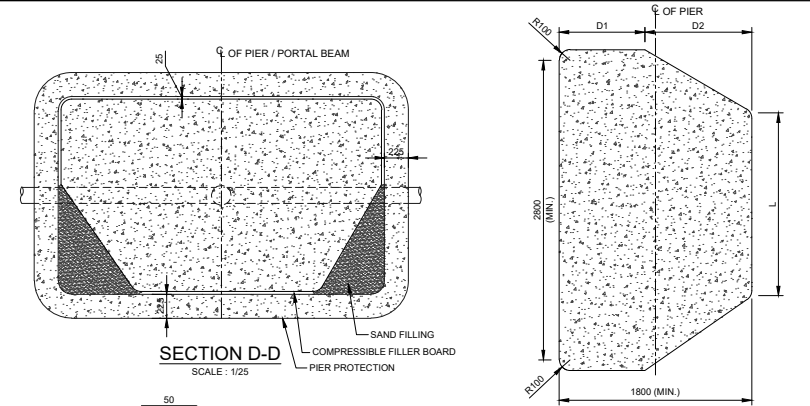
ayesa
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Tel.: +(91) 120 490 8800, Email: dcd05@ayesa.com

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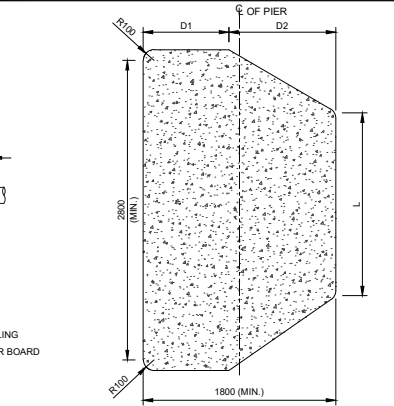
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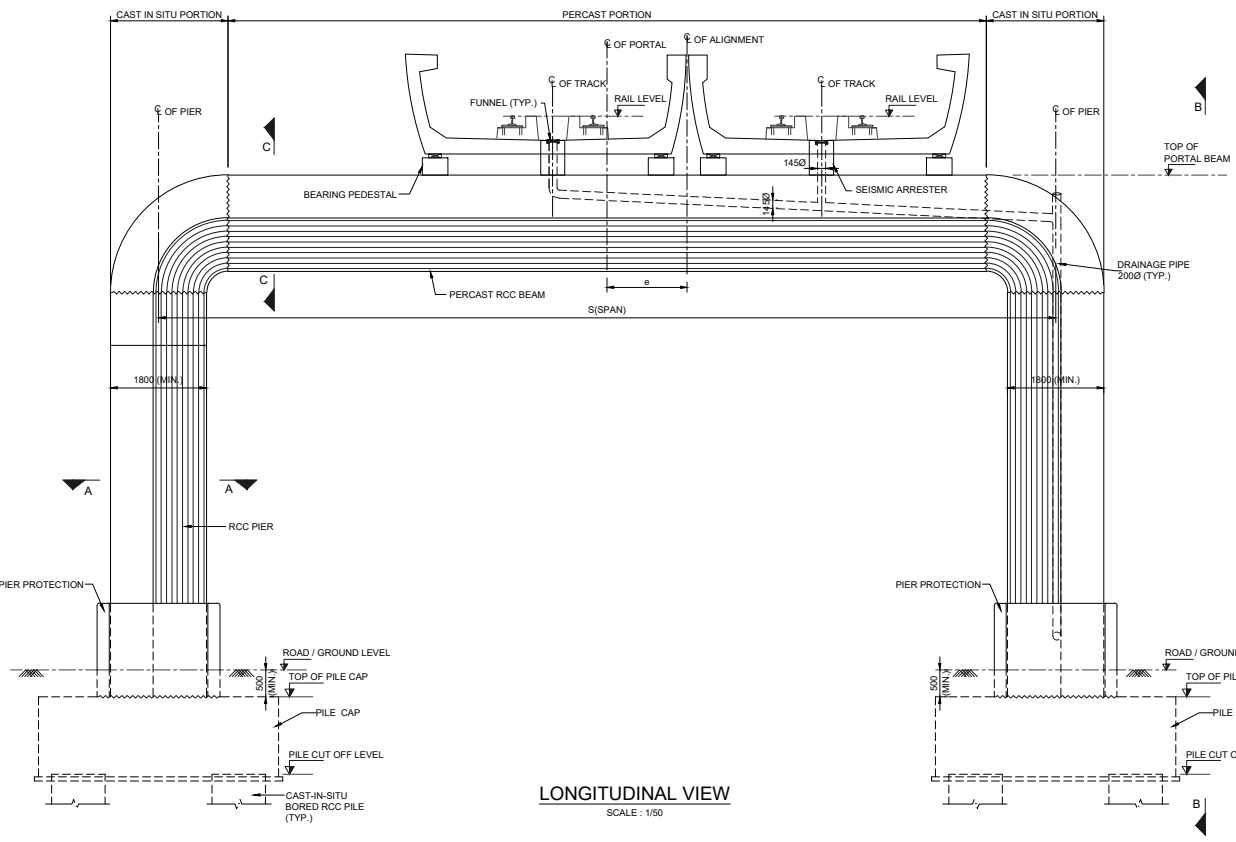
PLAN VIEW
SCALE : 1/50



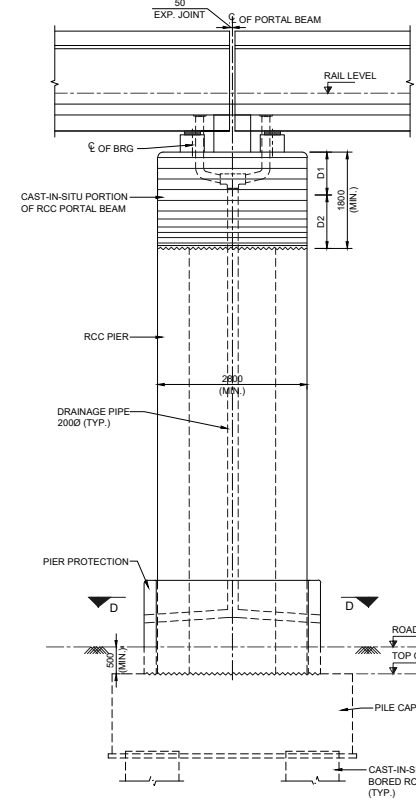
SECTION D-D
SCALE : 1/25



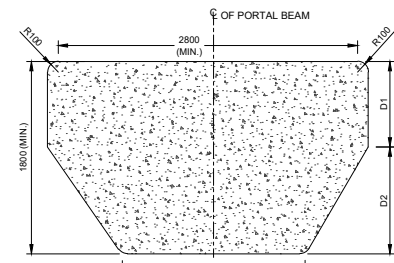
SECTION A-A
SCALE : 1/25



LONGITUDINAL VIEW
SCALE : 1/50



VIEW B-B
SCALE : 1/50



SECTION C-C
SCALE : 1/25

- DRAINAGE PIPE AND COMPRESSIBLE FILLER BOARD AS PER OCS SPECIFICATION.
- DRAINAGE PIPE AND COMPRESSIBLE FILLER BOARD AS PER OCS SPECIFICATION.
- e = ECCENTRICITY OF PIER FROM C/L OF ALIGNMENT
- DIMENSIONS OF D1, D2, S & L AS PER DETAIL DESIGN

- NOTES**
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 - ANY DISCREPANCIES MUST BE BROUGHT TO THE NOTICE OF THE CONSULTANT BEFORE EXECUTION OF WORK AT SITE.
 - FOUNDATION DETAILS SHOWN ARE INDICATIVE. NUMBERS OF LIFTING HOLES & THEIR POSITION SHALL BE AS PER DESIGN & SHALL BE APPROVED BY NGNE.
 - ALL LIFTING HOLES & PT RECESS SHALL BE GROUDED AS PER OCS.
 - RAIN WATER HARVESTING IS IN THE SCOPE OF THIS CONTRACT.
 - AT ALL LOCATIONS WHERE FOUNDATION IS INTERFERING WITH DRAINS, THE PILE CAP TOP NEEDS TO BE KEPT BELOW THE SOFFIT OF DRAIN, AND AT ALL OTHER LOCATION PILE CAP TOP WILL BE KEPT MINIMUM 500MM BELOW ROAD LEVEL. THE SAME IS INCLUDED IN LUMP SUM BOB.
 - FOR EARTHING DRAWINGS OF SUBSTRUCTURE & FOUNDATION REFER NGNE STANDARD DRAWING.
 - NOISE BARRIER VIEW CUTTER MAY BE REQUIRED AT SOME LOCATIONS FOR WHICH ADDITIONAL LOAD OF 0.10m SHALL BE CONSIDERED IN DESIGN OF STRUCTURES.

FOR FUNNEL, DRAINAGE SPOUT AND OTHER DRAINAGE DETAILS REFER NGNE STANDERD DRAWING (DRAINAGE PRINCIPAL)

DETAILS OF U-GIRDER AND ITS BEARING S & PEDESTALS AS PER STANDARD DRAWINGS PROVIDED BY NGNE.

TENDER DRAWING

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NOIDA METRO RAIL CORPORATION LTD.
Block-III, 3rd Floor, Ganga Shopping Complex, Sector-29, Noida -201301, District Gautam Budh Nagar, Uttar Pradesh, India

PROJECT: NGNECC-01: Part Design & Construction of Elevated Viaduct and 10 nos. of Elevated Stations for Extension Projects of NMRC's Aqua Line from Botanical Garden to Noida Sec-142 (from Chainage (-) 383.959 to 12130.143) and from Depot Station to Boraki MMTH (Chainage 28678.253 to 31263.482).

DRAWING TITLE: TYPICAL GAD OF PORTAL PIER TYPE-1 WITH PRECAST PORTAL BEAM (U-GIRDER SUPPORTING)

NORTH	DRAWN BY: P. BISHT	CHECKED BY: D.S	APPROVED BY: P. Banerjee
	DATE: 27-03-2026	REV: R0	STATUS: TENDER
ORDER N°: PSR-002	DRAWING NUMBER: NGNE/VID-TED-STR-10103	SHEET NO: 01 OF 01	SHEET SIZE: A1

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- ANY DISCREPANCY MUST BE BROUGHT TO THE NOTICE OF THE DMRC BEFORE EXECUTION OF WORK AT SITE.
- THIS DRAWING MUST BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL, STRUCTURAL, PLUMBING & FIRE FIGHTING, ELECTRICAL AND TRAFFIC MANAGEMENT DRAWINGS.
- ALL DOOR/WINDOW GILL & LINTEL LEVELS ARE MEASURED FROM MAIN FLOOR FINISHED LEVELS.

REVISION	DESCRIPTION	DRAWING NO.

REVISIONS					APPROVAL OF NMRC OFFICIALS				
REV.	DESCRIPTION	DATE	DRAWN BY	CHECKED BY					
R0	INITIAL DRAWING	27-03-2026	PB	D.S					

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Authorised Signatory for DDC: NGNEDDC Project Manager

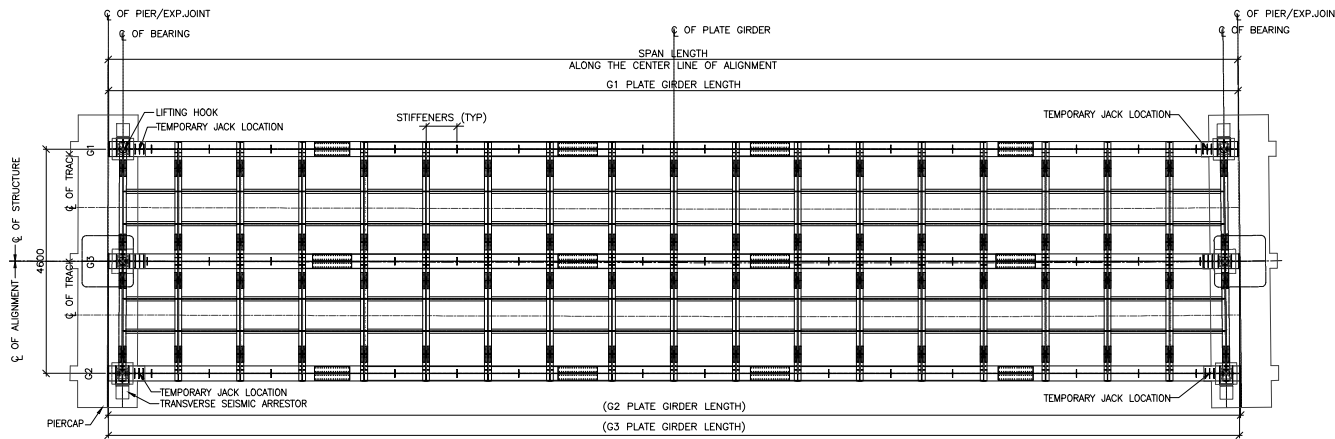
Architecture Design In-charge/ Coordinator	Structure Design In-charge/ Coordinator	E&M Design In-charge/ Coordinator
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DETAIL DESIGN CONSULTANT :

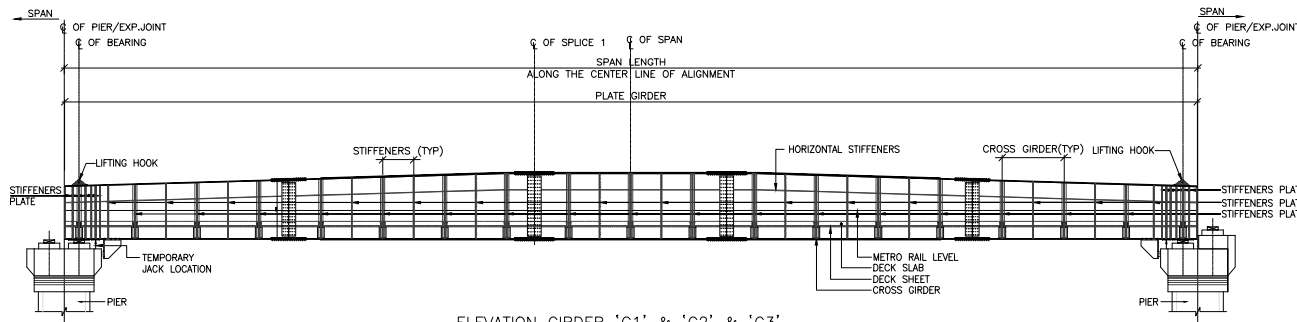
ayesa
Ayesa India Private Limited
D 99, 3rd Floor, Sector 2, Noida -201301, Gautam Budh Nagar, Uttar Pradesh
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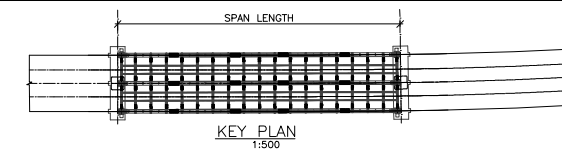
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PLAN Z-Z
SCALE 1:125



ELEVATION GIRDER 'G1' & 'G2' & 'G3'
SCALE 1:125



LEGEND :
 THK = THICK TYP = TYPICAL
 T&B = TOP & BOTTOM x x x = WELD
 --- = RAIL TRACK

- NOTES GENERAL**
- 1) ALL DIMENSIONS ARE IN MILLIMETERS AND LEVELS ARE IN METERS.
 - 2) MATERIALS - CONCRETE DECK & PARAPET : M50. STRUCTURAL STEEL GRADE SHALL BE E350 CONFORMING TO IS 2062-2011. STRUCTURAL STEEL FOR SECONDARY STEEL SECTIONS SUCH AS FOR BRACING SHALL BE OF MATERIAL E250 CONFORMING TO IS : 2062.
 - 3) CARE IS REQUIRED BOTH IN SHOP & AT SITE IN LIFTING, HANDLING & ERECTING INDIVIDUAL GIRDERS BEFORE THEY ARE BRACED TOGETHER TO PREVENT LATERAL DISTORTION
 - 4) FOR QUALITY CONTROL & TESTING REQUIREMENT REFER NIT VOL. IV, CLS. 7.5.
 - 5) FOR GUIDELINES REGARDING DELIVERY, STORAGE & HANDLING REFER NIT VOL. IV, CLS. 7.6.
 - 6) FABRICATION DRAWINGS SHALL BE PREPARED BY FABRICATION CONTRACTOR
 - 7) ALL GUSSET PLATES SHALL BE MINIMUM 10MM THICK.
 - 8) MEMBER LENGTH SHALL BE DETERMINED BASED ON CAMBER AND MEMBER CUT LENGTH WILL HAVE TO BE ADJUSTED ENTIRE TRUSS SHALL BE TRIAL ASSEMBLED IN YARD.
- WELD**
- 9) ALL WELDS ARE MINIMUM 10mm CONTINUOUS AUTOMATIC FILLET WELDS FOR GIRDER UNLESS NOTED OTHERWISE
 - 10) ALL WELDS TO BE MADE USING APPROVED WELDING PROCEDURES & BY QUALIFIED WELDERS ONLY.
 - 11) AUTOMATIC SUBMERGED ARC WELDING SHALL BE EMPLOYED FOR FILLET WELDS IN FLANGES TO WEB & BUTT WELDS IN FLANGES & WEBS ON BOTH SIDES.
 - 12) WELDING PROCEDURE, WELDED CONNECTION & TESTING SHALL BE IN COMPLIANCE WITH REQUIREMENTS MENTIONED IN IRS-B-1.
 - 13) TO GENERAL WELD PROCEDURE FOR METAL ARC WELDING SHALL BE CARRIED OUT IN ACCORDANCE WITH IS:9595.
 - 14) WELDING CONSUMABLES SHALL CONFIRM TO IS:814-1991.
 - 15) OTHER DETAILS OF WELDING SHALL COMPLY TO NIT VOL. IV, CLS. 7.2.
 - 16) TOP FLANGE PLATE (45mm) SHALL NOT BE HEATED FOR BENDING (NEAR SPLICE-1). BUTT WELDING MAY BE PROVIDED IF IT IS NOT POSSIBLE TO BENT WITHOUT HEATING.
 - 17) NO SITE WELDING AND OVER HEAD WELDING PERMITTED.
- BOLTS**
- 18) BOLTS, NUTS & WASHERS SHALL CONFIRM TO IS:1376.
 - 19) HOLES FOR BOLTS SHOULD BE FORMED BY DRILLING & SHOULD BE 2mm LARGER THAN THE DIAMETER OF BOLTS. MINIMUM PITCH = 2.5xBOLT DIA. MINIMUM EDGE DISTANCE = 1.5XDIA. OF HOLE
 - 20) THE CONTACT SURFACES FOR BOLTED CONNECTION SHALL NOT BE SAND BLASTED.
 - 21) ALL HSFG BOLTS SHALL BE IN ACCORDANCE WITH IS:4000-LATEST REVISIONS
 - 22) WEB EDGES TO BE MACHINED AT BOLTED SPLICE LOCATION
 - 23) INTERFACE BETWEEN THE PLIES WHICH ARE CONNECTED TOGETHER BY HSFG BOLTS SHALL BE ALUMINIUM METALLISED WITHOUT ANY OVER COATING.
 - 24) OTHER DETAILS OF BOLTING SHALL COMPLY TO NIT VOL. IV, CLS. 7.3.
- STUDS**
- 25) GRADE OF SHEAR STUD SHALL BE MIN 1/385 WITH MINIMUM ELONGATION 18% AT YIELD.
 - 26) SHEAR STUD SHALL BE WELDED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTION INCLUDING PREHEATING WHEREVER NECESSARY.
 - 27) THE STUD AND THE SURFACE TO WHICH THE STUDS ARE WELDED SHALL BE FREE FROM SCALE & RUST, GREASE, OIL, PAINT, ETC.
 - 28) THE WELD SHALL BE CAPABLE OF DEVELOPING THE ULTIMATE STRENGTH OF THE STUD.
 - 29) STUD WELDING IS BASED ON ASSUMPTION THAT THE SAME WILL BE WELDED USING AUTOMATIC STUD WELDING MACHINE COMPATIBLE WITH THE TYPE OF STUD USED. THE WELD SHALL HAVE MINIMUM CROSS SECTIONAL AREA EQUAL TO TWICE THE CROSS SECTION OF THE STUD.
 - 30) THE TRANSPORTING PROPER CARE SHOULD BE TAKEN TO AVOID ANY DAMAGE TO SHARE CONNECTOR.
 - 31) STUD SHARE CONNECTOR SHALL BE SUBJECTED TO TEST AS PER IS:5400-6.
- CONSTRUCTION SEQUENCE**
- 32) INDIVIDUAL MAIN GIRDERS WITH END CROSS BEAM SEGMENT AND STIFFENERS CONNECTED SHALL BE LIFTED AND PLACED OVER PIERCAP
 - 33) CROSS BEAM AND STRINGER BEAM SHALL BE CONNECTED.
 - 34) DECK SLAB SHALL BE CAST.

SPECIAL NOTE :
 THIS SUPERSTRUCTURE TYPE SHALL BE APPLICABLE FOR 35m to 50m SPAN.

TENDER DRAWING

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Noida Metro Rail Corporation Ltd.
 Block-III, 3rd Floor, Ganga Shopping Complex, Sector-29, Noida-201301, District Gautam Budh Nagar, Uttar Pradesh, India

PROJECT: NGNECC-01: Part Design & Construction of Elevated Viaduct and 10 nos. of Elevated Stations for Extension Projects of NMRC's Aqua Line from Botanical Garden to Noida Sec-142 (from Chainage (-) 385.959 to 12130.143) and from Depot Station to Boraki MMTH (Chainage 28678.253 to 31263.482).

VIADUCT
 DRAWING TITLE: DETAILS OF SEMI THROUGH STEEL GIRDERS FOR SPECIAL SPAN

NORTH	DRAWN BY: P. BISHT	CHECKED BY: D.S	APPROVED BY: P. Banerjee
	DATE: 27-03-2026	REV: R0	SCALE: NTS
ORDER NO: PSE-002	DRAWING NUMBER: NGNE-VIAD-TED-STR-10104	SHEET NO: 01 OF 02	TENDER: A1

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5. ALL DOOR/WINDOW/CILL & LINTEL LEVELS ARE MEASURED FROM MAIN FLOOR FINISHED LEVELS.

REVISIONS

REV.	DESCRIPTION	DATE	DRAWN BY	CHECKED BY
R0	INITIAL DRAWING	27-03-2026	PB	D.S

REFERENCE DRAWINGS

REVISION	DESCRIPTION	DRAWING NO.

APPROVAL OF NMRC OFFICIALS

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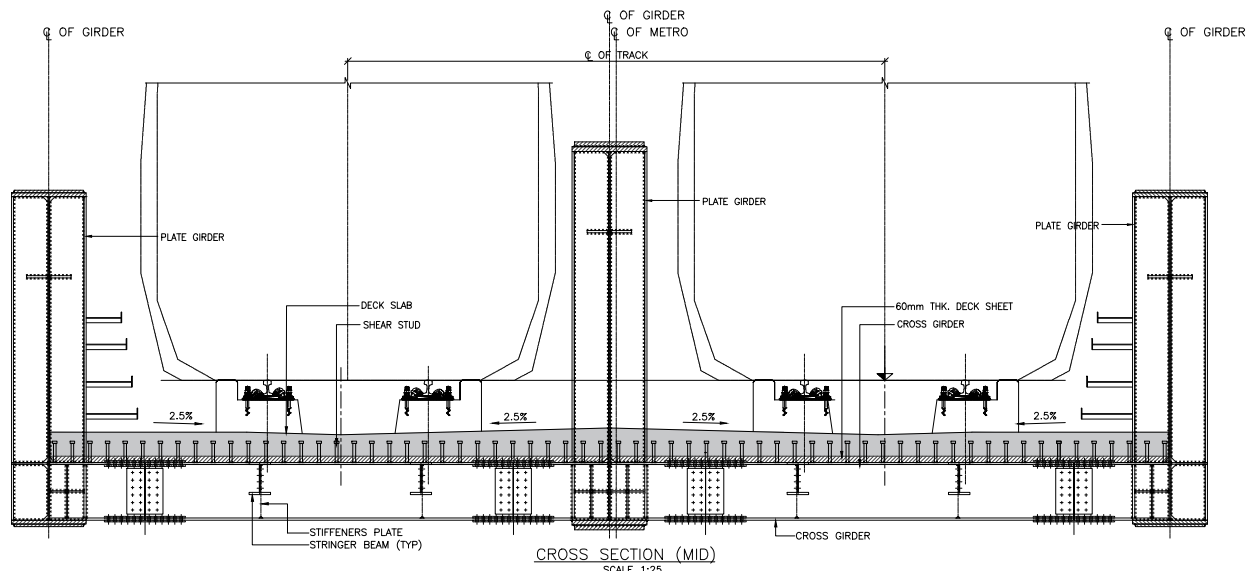
Authorised Signatory for DDC, NGNECC Project Manager

Architecture Design In-charge/ Coordinator	Structure Design In-charge/ Coordinator	E&M Design In-charge/ Coordinator
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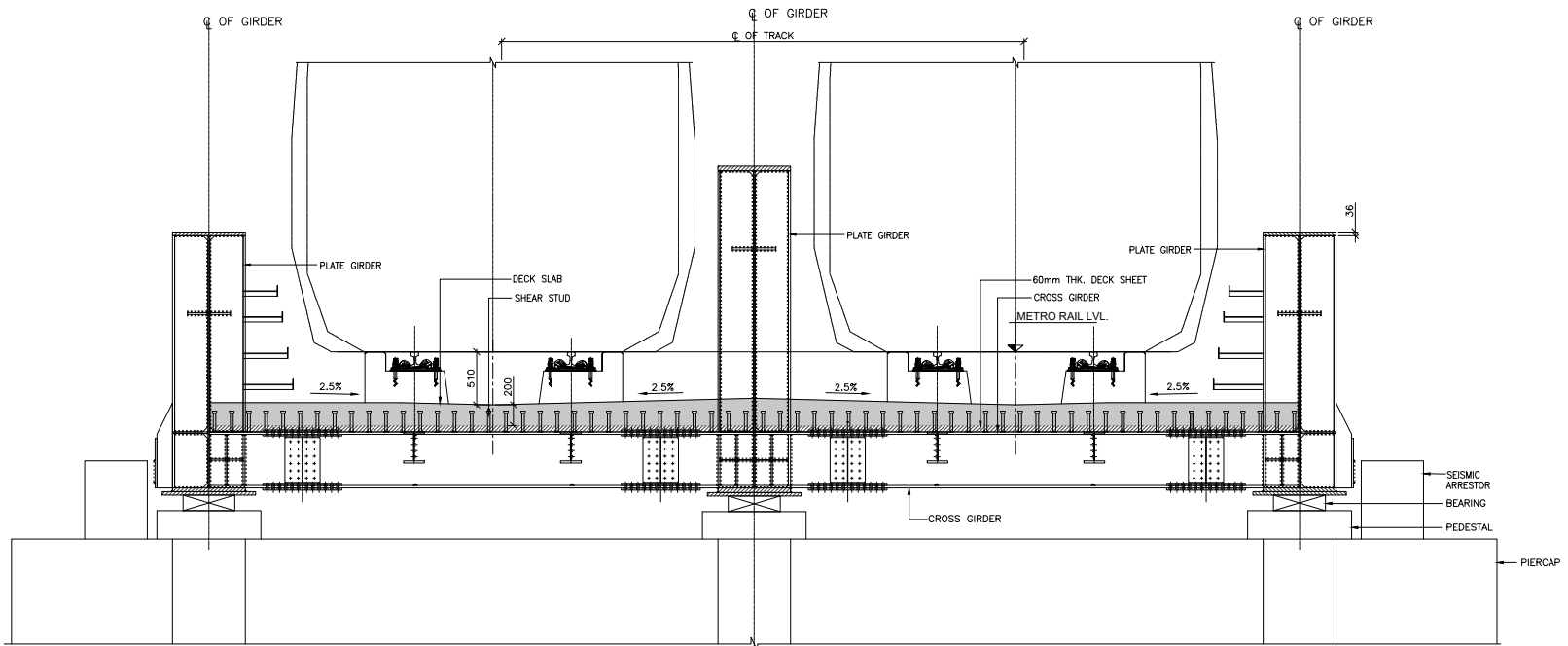
DETAIL DESIGN CONSULTANT :

ayesa
 Ayesa India Private Limited
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 Budh Nagar, Uttar Pradesh
 Tel.: +(91) 120 490 8800, Email: dcd0505@ayesa.com

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CROSS SECTION (MID)
SCALE 1:25



CROSS SECTION (SUPPORT)
SCALE 1:25

SPECIAL NOTE :
THIS SUPERSTRUCTURE TYPE SHALL BE APPLICABLE FOR 35m TO 50m SPAN.

TENDER DRAWING

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Block-III, 3rd Floor, Ganga Shopping Complex, Sector-29, Noida -201301,
District Gautam Budh Nagar, Uttar Pradesh, India

PROJECT: NGNECC-01: Part Design & Construction of Elevated Viaduct and 10 nos. of Elevated Stations for Extension Projects of NMRC's Aqua Line from Botanical Garden to Noida Sec-142 (from Chainage (-) 383.959 to 12130.143) and from Depot Station to Boraki MMTH (Chainage 28678.253 to 31263.482).

VIADUCT
DRAWING TITLE: DETAILS OF SEMI THROUGH STEEL GIRDERS FOR SPECIAL SPAN

NORTH	DRAWN BY: P. BISHT	CHECKED BY: D.S.	VERIFIED BY: P. Kundu	APPROVED BY: P. Banerjee
DATE: 27-03-2026	REV: R0	SCALE: NTS	STATUS: TENDER	NO. SHEETS: 02 OF 02
ORDER NO: PSR-002	DRAWING NUMBER: NGNE-VID-TED-STR-10104	SHEET NO: 02 OF 02	SHEET SIZE: A1	NO. SHEETS: 02

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 3. ANY DISCREPANCY MUST BE BROUGHT TO THE NOTICE OF THE DMRC BEFORE EXECUTION OF WORK AT SITE.
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 5. ALL DOOR/WINDOW GILL & LINTEL LEVELS ARE MEASURED FROM MAIN FLOOR FINISHED LEVELS.

REFERENCE DRAWINGS

REVISION	DESCRIPTION	DRAWING NO.

REVISIONS

REV.	DESCRIPTION	DATE	DRAWN BY	CHECKED BY
R0	INITIAL DRAWING	27-03-2026	PB	D.S.

APPROVAL OF NMRC OFFICIALS

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Authorised Signatory for DDC, NGNEDDC Project Manager

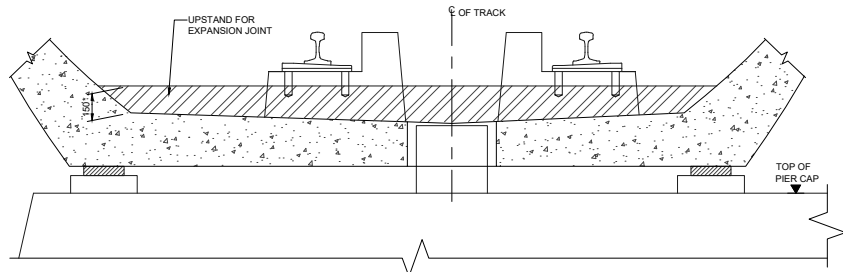
Architecture Design In-charge/ Coordinator	Structure Design In-charge/ Coordinator	E&M Design In-charge/ Coordinator
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DETAIL DESIGN CONSULTANT :

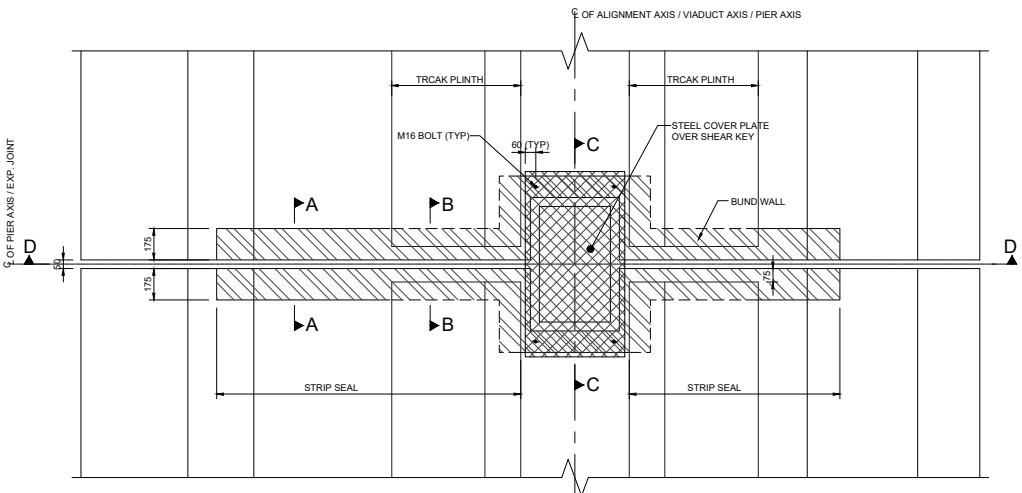
ayesa
Ayesa India Private Limited
D 99, 3rd Floor, Sector 2, Noida -201301, Gautam
Buzhi Nagar, Uttar Pradesh
Tel.: +(91) 120 490 8800, Email: dcd905@ayesa.com

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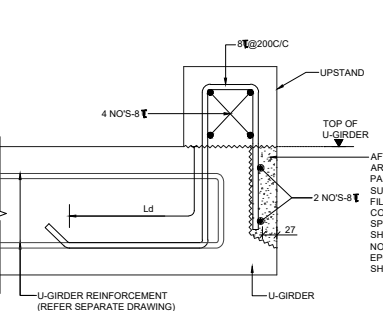
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SECTION D - D
(SCALE 1:15) DIMENSION MARKED THUS (*) ARE THE MINIMUM DIMENSION.

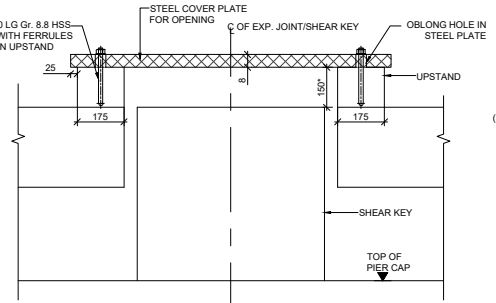


PLAN
(SCALE 1:15)

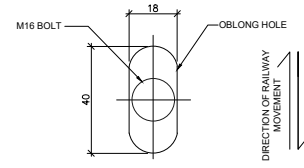


SECTION A - A
(SHOWING REINFORCEMENT)
(SCALE 1:5)

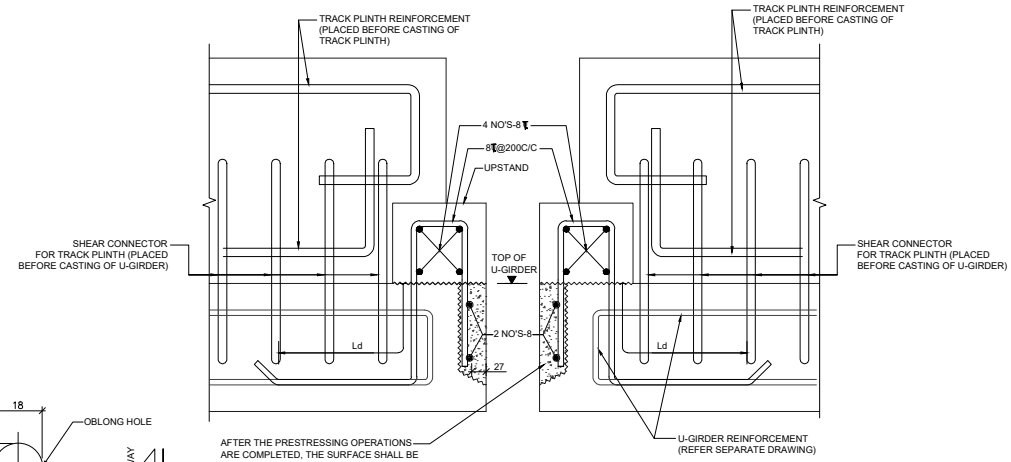
AFTER THE PRESTRESSING OPERATIONS ARE COMPLETED, THE SURFACE SHALL BE PAINTED WITH TWO COATS OF EPOXY OF SUITABLE FORMULATION HAVING A DRY FILM THICKNESS OF 80 MICRONS PER COAT ACCORDING TO TECHNICAL SPECIFICATION AND ENTIRE RECESS SHALL BE FILLED WITH CONCRETE OR NON-CHRNK/PRE-PACKAGED MORTAR OF EPOXY CONCRETE. (GRADE OF CONCRETE SHALL BE SAME OF U-GIRDER)



SECTION C - C
(SHOWING DIMENSIONS)
(SCALE 1:10)

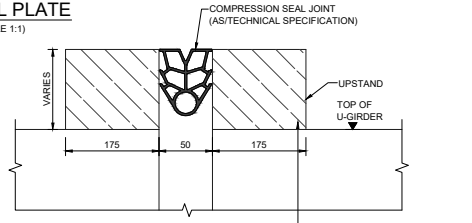


DETAILS OF OBLONG HOLE IN STEEL PLATE
(SCALE 1:1)



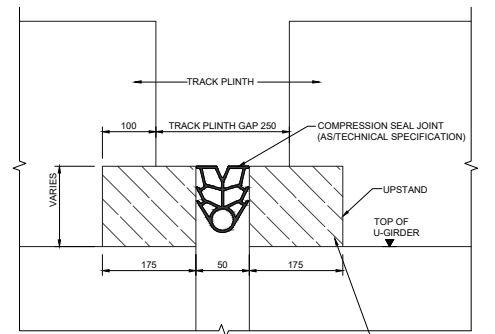
SECTION B - B
(SHOWING REINFORCEMENT)
(SCALE 1:5)

AFTER THE PRESTRESSING OPERATIONS ARE COMPLETED, THE SURFACE SHALL BE PAINTED WITH TWO COATS OF EPOXY OF SUITABLE FORMULATION HAVING A DRY FILM THICKNESS OF 80 MICRONS PER COAT ACCORDING TO TECHNICAL SPECIFICATION AND ENTIRE RECESS SHALL BE FILLED WITH CONCRETE OR NON-CHRNK/PRE-PACKAGED MORTAR OF EPOXY CONCRETE. (GRADE OF CONCRETE SHALL BE SAME OF U-GIRDER)



SECTION A - A
(SHOWING DIMENSIONS)
(SCALE 1:5)

RECESS TO BE FILLED WITH HIGH GRADE CONCRETE WITH DECK REINFORCEMENT IN POSITION



SECTION B - B
(SHOWING DIMENSIONS)
(SCALE 1:5)

RECESS TO BE FILLED WITH HIGH GRADE CONCRETE WITH DECK REINFORCEMENT IN POSITION

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS. LEVELS ARE IN METERS UNLESS OTHERWISE MENTIONED.
2. DIMENSIONS ARE NOT TO BE SCALED. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
3. ANY DISCREPANCIES MUST BE BROUGHT TO THE NOTICE OF THE CONSULTANT BEFORE EXECUTION OF WORK AT SITE.
4. GRADE OF CONCRETE FOR BUND WALL IS M40.
5. CLEAR COVER TO REINFORCEMENT OF BUND WALL SHALL BE 35mm.
6. MINIMUM ANCHORAGE LENGTH, Ld FOR SINGLE BARS SHALL BE 34xd AND FOR BUNDLED BARS SHALL BE 43xd, WHERE 'd' IS THE DIAMETER OF THE BAR.
7. EPOXY COATING SHALL BE APPLIED TO STEEL PLATE.

TENDER DRAWING

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NOIDA METRO RAIL CORPORATION LTD.
Block-III, 3rd Floor, Ganga Shopping Complex, Sector-29, Noida-201301, District Gautam Budh Nagar, Uttar Pradesh, India

PROJECT: NGNECC-01: Part Design & Construction of Elevated Viaduct and 10 nos. of Elevated Stations for Extension Projects of NMRC's Aqua Line from Botanical Garden to Noida Sec-142 (from Chainage (+) 383.959 to 12130.143) and from Depot Station to Boraki MMTH (Chainage 28678.253 to 31263.482).

VIADUCT
DRAWING TITLE: TYPICAL DETAILS OF EXPANSION JOINT AND UPSTAND FOR U-GIRDER

NORTH	DRAWN BY: P. BISHT	CHECKED BY: D.S	APPROVED BY: P. Banerjee
DATE: 27-03-2026	REV: R0	SCALE: 01 OF 01	STATUS: TENDER
ORDER NO: PSE-002	DRAWING NUMBER: NGNE-VIAD-TED-STR-10105	SHEET NO: 01 OF 01	SHEET SIZE: A1

Certified that this document has been designed and checked in accordance with DCC Quality Assurance Plan.

Authorised Signatory for DDC, NGNE/DDC Project Manager

Architecture Design In-charge/ Coordinator	Structure Design In-charge/ Coordinator	E&M Design In-charge/ Coordinator
---	--	--------------------------------------

DETAIL DESIGN CONSULTANT :



Ayesa India Private Limited
D 99, 3rd Floor, Sector 2, Noida-201301, Gautam
Buddh Nagar, Uttar Pradesh
Tel.: +(91) 120 490 8800, Email: dcd05@ayesa.com

GENERAL NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETER UNLESS MENTIONED.
2. ALL DIMENSIONS ARE TO BE READ AND NOT MEASURED.
3. ANY DISCREPANCY MUST BE BROUGHT TO THE NOTICE OF THE DMRC BEFORE EXECUTION OF WORK AT SITE.
4. THIS DRAWING MUST BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL, STRUCTURAL, PLUMBING & FIRE FIGHTING, ELECTRICAL AND TRAFFIC MANAGEMENT DRAWINGS.
5. ALL DOOR/WINDOW CILL & LINTEL LEVELS ARE MEASURED FROM MAIN FLOOR FINISHED LEVELS.

REFERENCE DRAWINGS

REVISION	DESCRIPTION	DRAWING NO.

REVISIONS

REV.	DESCRIPTION	DATE	DRAWN BY	CHECKED BY
R0	INITIAL DRAWING	27-03-2026	PB	D.S

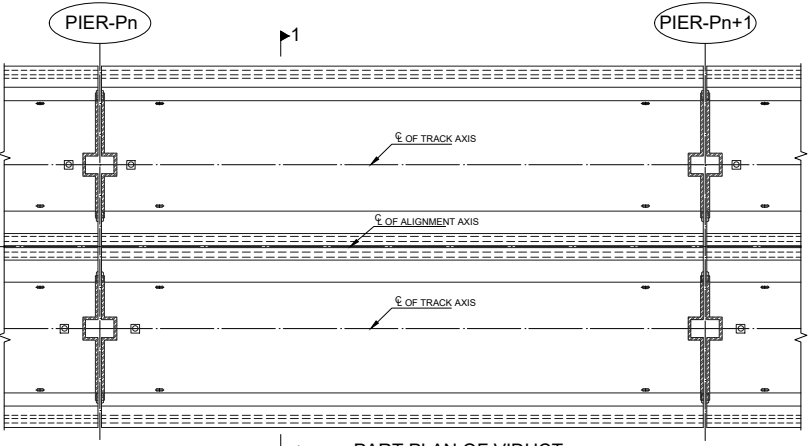
APPROVAL OF NMRC OFFICIALS

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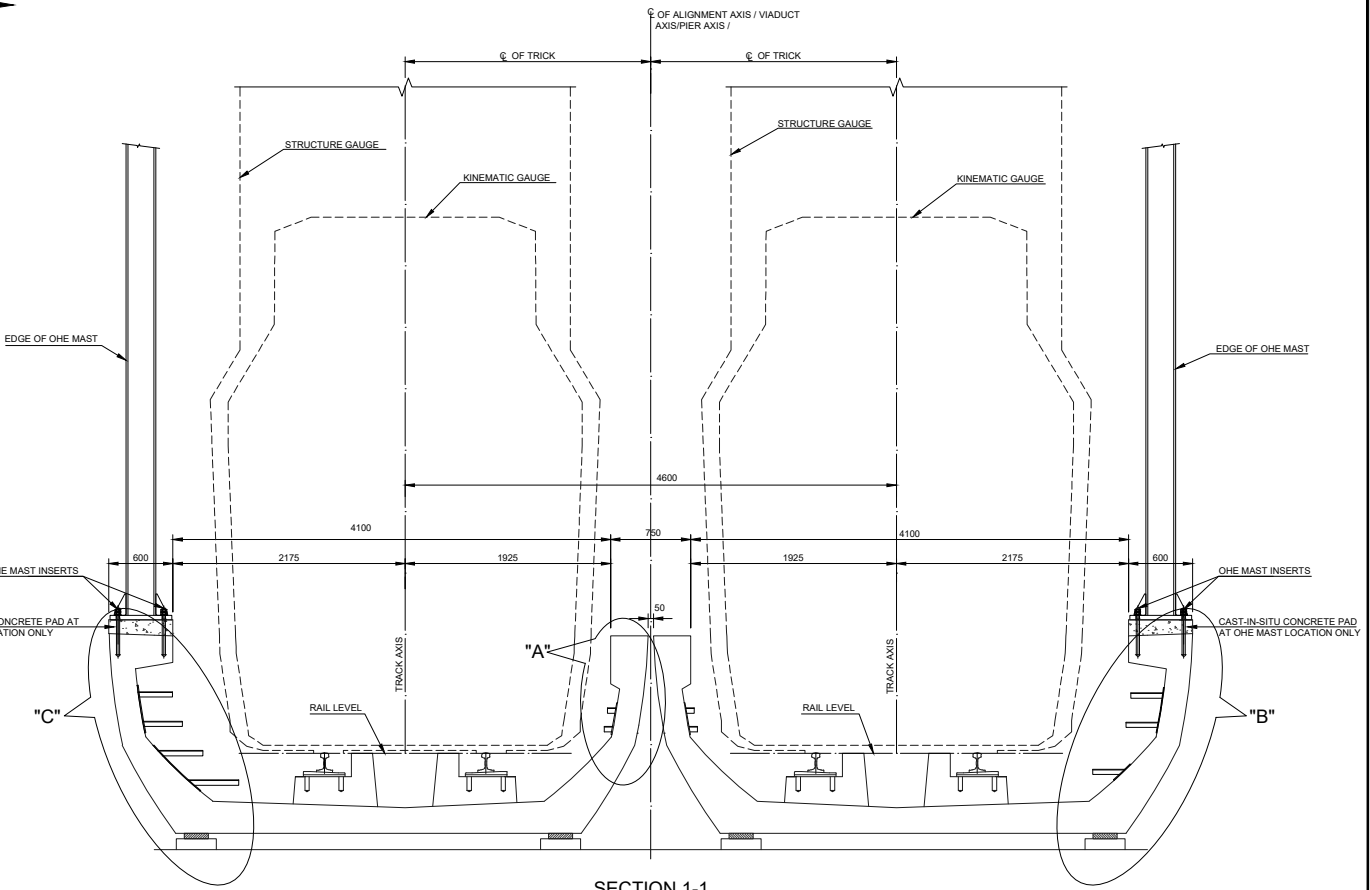
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TO SECTOR 71

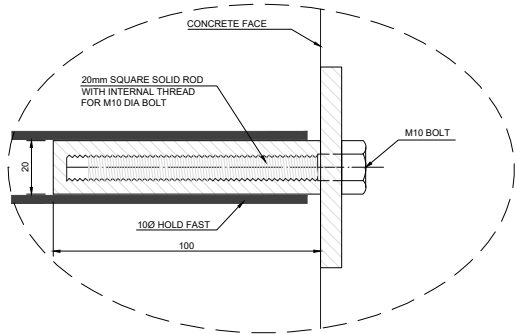
TO DEPOT



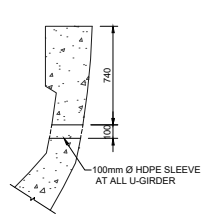
PART PLAN OF VIADUCT
SCALE : 1:75



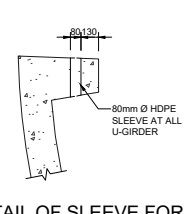
SECTION 1-1
(TYPICAL CROSS-SECTION SHOWING CABLE BRACKET)
SCALE : 1:25



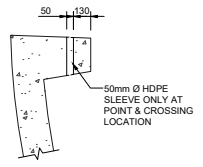
DETAIL - D
(SHOWING DEPTH OF INSERT FOR CABLE BRACKET)
SCALE : 1:1



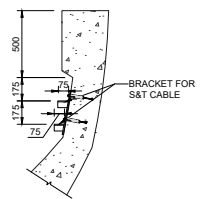
DETAIL OF SLEEVE AT INNER WEB
(SCALE : 1:20)



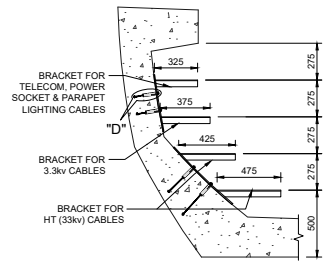
DETAIL OF SLEEVE FOR PARAPET LIGHTING AT OUTER FLANGE
(SCALE : 1:20)



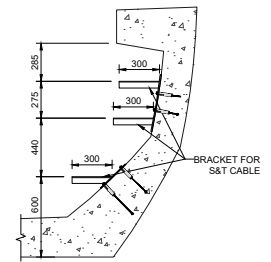
DETAIL OF SLEEVE FOR POINT CROSSING LOCATION AT OUTER FLANGE
(SCALE : 1:20)



DETAIL "A"
(DETAIL OF CABLE BRACKET AT INNER WEB)
SCALE : 1:20



DETAIL "C"
(DETAIL OF CABLE BRACKET AT HT SIDE)
(SCALE : 1:20)



DETAIL "B"
(DETAIL OF CABLE BRACKET AT S&T SIDE)
(SCALE : 1:20)

- NOTES**
1. ALL DIMENSION ARE IN MILLIMETERS. LEVELS ARE IN METERS UNLESS OTHERWISE MENTIONED.
 2. DIMENSION ARE NOT TO BE CAEALD. ONLY WRITTEN DIMENSION SHALL BE FOLLOW.

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Noida Metro Rail Corporation Ltd.
Block-III, 3rd Floor, Ganga Shopping Complex, Sector-29, Noida -201301, District Gautam Budh Nagar, Uttar Pradesh, India

PROJECT: NGNECC-01: Part Design & Construction of Elevated Viaduct and 10 nos. of Elevated Stations for Extension Projects of NMRC's Aqua Line from Botanical Garden to Noida Sec-142 (from Chainage (-) 383.959 to 12130.143) and from Depot Station to Boraki MMTH (Chainage 28678.253 to 31263.482).

DRAWING TITLE: DETAILS OF CABLE BRACKET & SLEEVE OF U-GIRDER SPAN

NORTH	DRAWN BY: P. BISHT	CHECKED BY: D.S.	VERIFIED BY: P. Kumar	APPROVED BY: P. Banerjee
DATE: 27-03-2026	REV: R0	SCALE: NTS	SHEET NO: 01 OF 02	TENDER
ORDER NO: PSE-002	DRAWING NUMBER: NGNE-VID-TED-STR-10106	SHEET SIZE: A1		NGNECC

GENERAL NOTES

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3. ANY DISCREPANCY MUST BE BROUGHT TO THE NOTICE OF THE DMRC BEFORE EXECUTION OF WORK AT SITE.
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5. ALL DOOR/WINDOW GILL & LINTEL LEVELS ARE MEASURED FROM MAIN FLOOR FINISHED LEVELS.

REVISIONS

REV.	DESCRIPTION	DATE	DRAWN BY	CHECKED BY
R0	INITIAL DRAWING	27-03-2026	PB	D.S

REFERENCE DRAWINGS

REVISION	DESCRIPTION	DRAWING NO.
R0	DETAILS OF CABLE BRACKET & SLEEVE OF U-GIRDER SPAN	NGNE-VID-TED-STR-10103 (SHEET-01)

APPROVAL OF NMRC OFFICIALS

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Certified that this document has been designed and checked in accordance with DDC Quality Assurance Plan.

Authorised Signatory for DDC: NGNEDDC Project Manager

Architecture Design In-charge/ Coordinator	Structure Design In-charge/ Coordinator	E&M Design In-charge/ Coordinator
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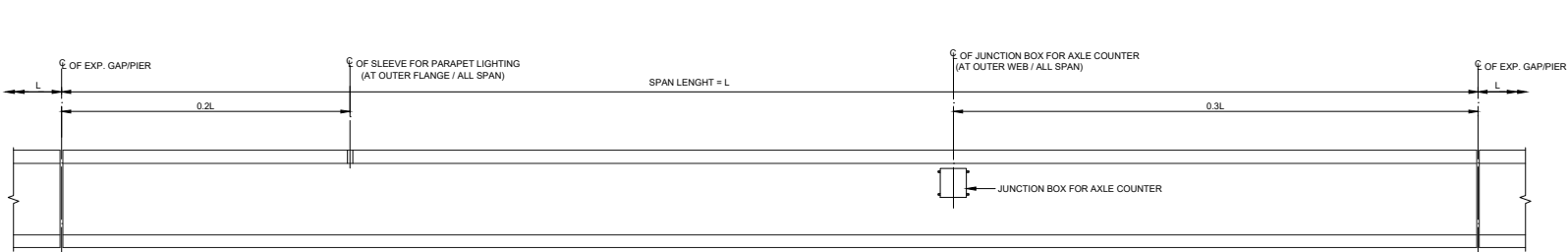
DETAIL DESIGN CONSULTANT :

ayesa

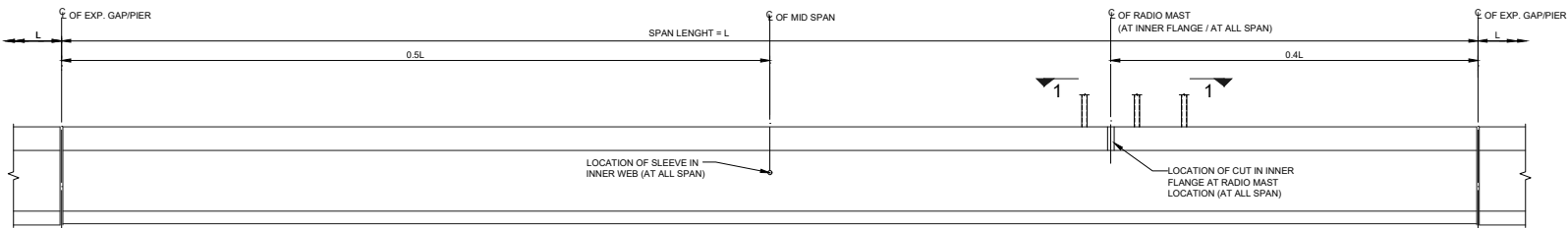
Ayesa India Private Limited
D 99, 3rd Floor, Sector 2, Noida -201301, Gautam Budh Nagar, Uttar Pradesh
Tel.: +(91) 120 490 8800, Email: dcd05@ayesa.com

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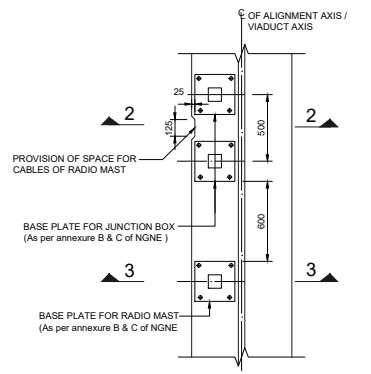
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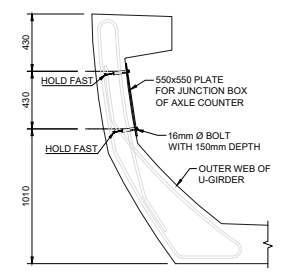
ELEVATION OF OUTER WEB
(SHOWING LOCATION OF SLEEVE & INSERT)
SCALE : 1:50



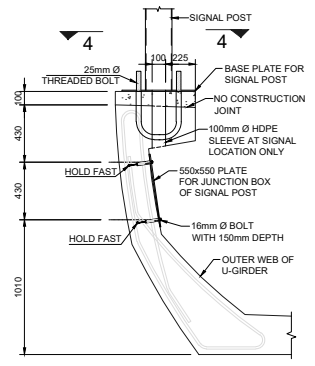
ELEVATION OF INNER WEB
(SHOWING LOCATION OF SLEEVE & INSERT)
SCALE : 1:50



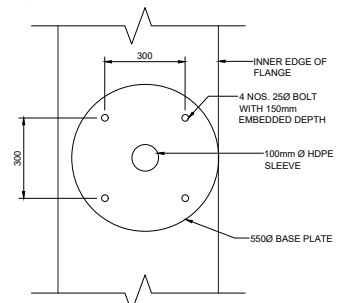
VIEW 1-1
(AT RADIO MAST LOCATION)
SCALE : 1:20



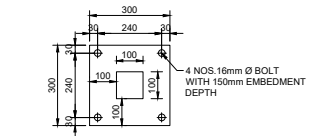
DETAILS OF INSERT FOR AXLE COUNTER JUNCTION BOX AT OUTER WEB
SCALE : 1:20



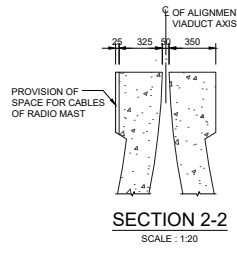
DETAILS OF INSERT FOR SIGNAL JUNCTION BOX AND SLEEVE AT OUTER WEB
(AT SIGNAL LOCATION ONLY)
SCALE : 1:20



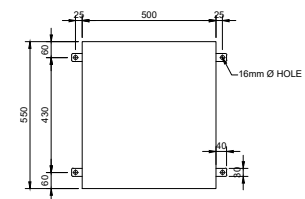
VIEW 4-4
SCALE : 1:10



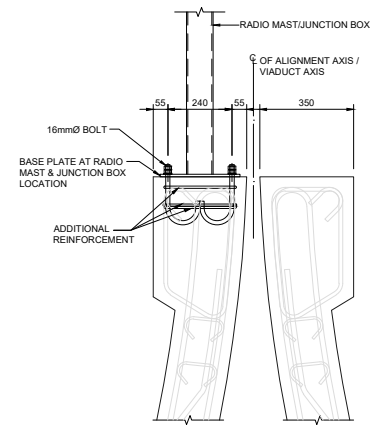
DETAIL OF BASE PLATE FOR JUNCTION BOX & RADIO MAST
(AT OUTER INNER FLANGE/ALL SPAN)
SCALE : 1:10



SECTION 2-2
SCALE : 1:20



DETAIL OF BASE PLATE FOR AXLE COUNTER/SIGNAL JUNCTION BOX
(AT OUTER WEB/ALL SPAN)
SCALE : 1:10



SECTION 3-3
SCALE : 1:10

NOTES

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NOIDA METRO RAIL CORPORATION LTD.
Block-III, 3rd Floor, Ganga Shopping Complex, Sector-29, Noida -201301, District Gautam Budh Nagar, Uttar Pradesh, India

PROJECT: NGNECC-01: Part Design & Construction of Elevated Viaduct and 10 nos. of Elevated Stations for Extension Projects of NMRC's Aqua Line from Botanical Garden to Noida Sec-142 (from Chainage (-) 383.959 to 12130.143) and from Depot Station to Boraki MMTH (Chainage 28678.253 to 31263.482).

DRAWING TITLE: DETAILS OF CABLE BRACKET & SLEEVE OF U-GIRDER SPAN

NORTH	DRAWN BY: P. BISHT	CHECKED BY: D.S	VERIFIED BY: P. Kundu	APPROVED BY: P. Banerjee
DATE: 27-03-2026	REV: R0	SCALE: NTS	SHEET NO: 02 OF 02	TENDER: A1
ORDER NO: PSE-002	DRAWING NUMBER: NGNE-VID-TED-STR-10106	SHEET NO: 02 OF 02	SHEET SIZE: A1	NO. OF SHEETS: 02

GENERAL NOTES

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5. ALL DOOR/WINDOW CILL & LINTEL LEVELS ARE MEASURED FROM MAIN FLOOR FINISHED LEVELS.

REFERENCE DRAWINGS

REVISION	DESCRIPTION	DRAWING NO.
R0	DETAILS OF CABLE BRACKET & SLEEVE OF U-GIRDER SPAN	NGNE-VID-TED-STR-10103 (SHEET-02)

REVISIONS				
REV.	DESCRIPTION	DATE	DRAWN BY	CHECKED BY
R0	INITIAL DRAWING	27-03-2026	PB	D.S

APPROVAL OF NMRC OFFICIALS				

Certified that this document has been designed and checked in accordance with DDC Quality Assurance Plan.

Authorised Signatory for DDC, NGNEDDC Project Manager

Architecture Design In-charge/ Coordinator	Structure Design In-charge/ Coordinator	E&M Design In-charge/ Coordinator
---	--	--------------------------------------

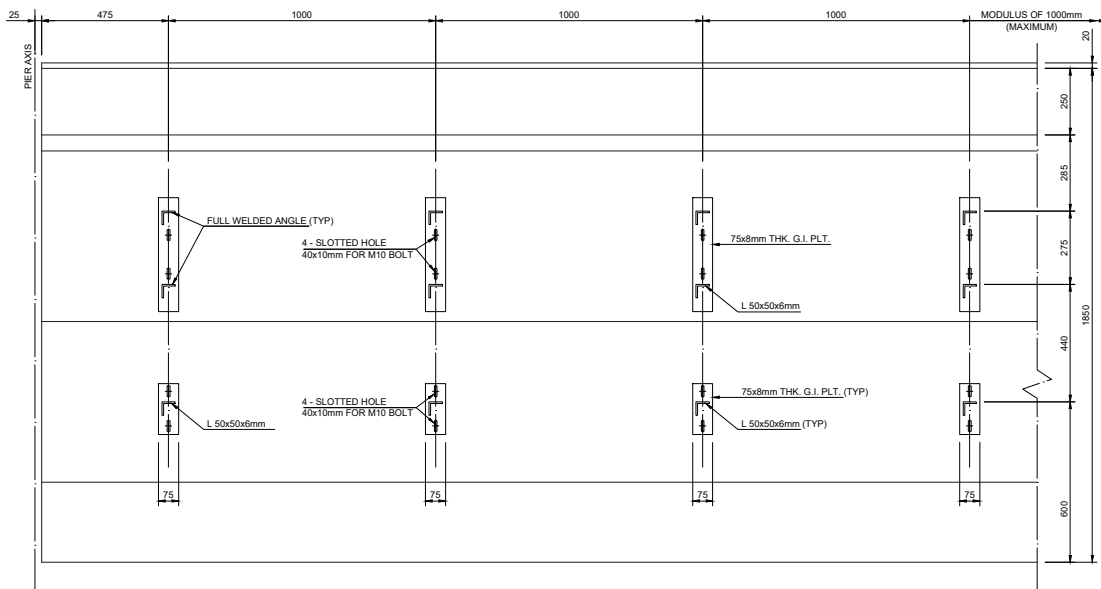
DETAIL DESIGN CONSULTANT :

ayesa

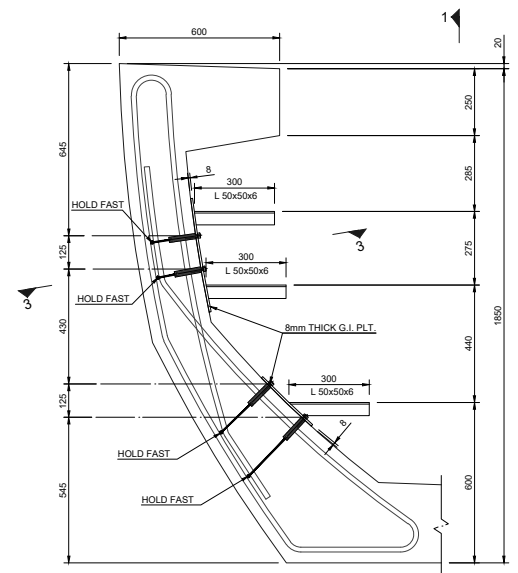
Ayesa India Private Limited
D 99, 3rd Floor, Sector 2, Noida -201301, Gautam Budh Nagar, Uttar Pradesh
Tel: +(91) 120 490 8800, Email: dcd05@ayesa.com

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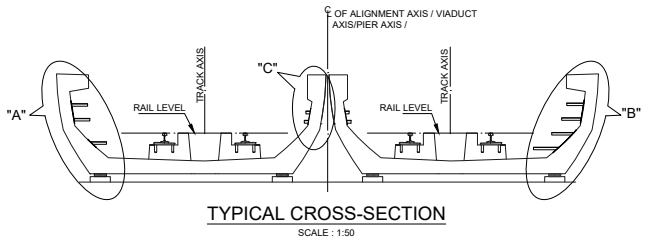
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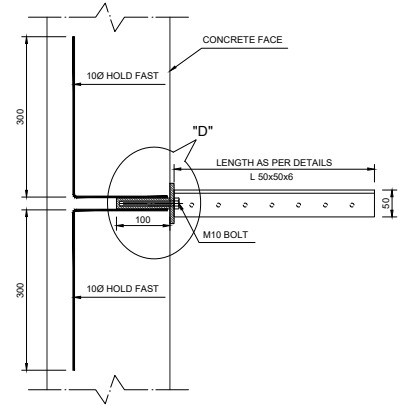
ELEVATION VIEW 1-1
SCALE : 1:10



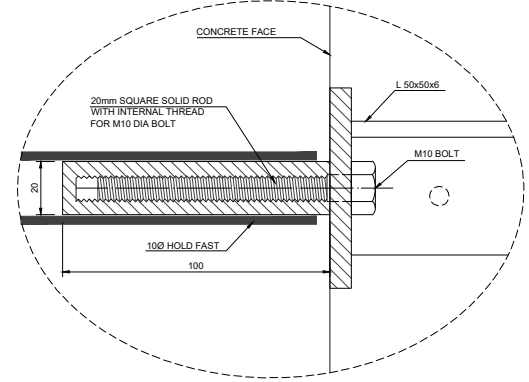
DETAIL - A
SCALE : 1:10



TYPICAL CROSS-SECTION
SCALE : 1:50



SECTION 3-3
SCALE : 1:5



DETAIL - D
SCALE : 1:1

NOTES:-

1. ALL MATERIALS SHALL CONFORM TO IS : 2062 STEEL FOR GENERAL STRUCTURE PURPOSES (GRADE B - DESIGNATION 410-B)
2. HEXAGONAL M10 BOLT SHALL BE OF STAINLESS STEEL GRADE: 4.6 HIGH TENSILE STEEL CONFORMING TO IS: 1367-PART 3.
3. TESTING SHALL BE DONE AS PER IS: 1367 - PART 3 TO CONFIRM GRADE 4.6 HIGH TENSILE STEEL.
4. 20mm SQUARE SOLID ROD WITH INTERNAL THREAD FOR M10 DIA. BOLT SHALL BE ACCURATELY POSITIONED AT CASTING YARD, BY USING Y10 HOLD FAST FOR INSTANCE THE M10 BOLT SHALL ALSO BE SUPPLIED LOOSE.
4. ANY FIXTURES FOUND RUSTED SHALL BE REPLACED BY THE CONTRACTOR & SHALL BE TREATED AS REJECTED.

TENDER DRAWING

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NOIDA METRO RAIL CORPORATION LTD.
Block-III, 3rd Floor, Ganga Shopping Complex, Sector-29, Noida -201301,
District Gautam Budh Nagar, Uttar Pradesh, India

PROJECT: NGNECC-01: Part Design & Construction of Elevated Viaduct and 10 nos. of Elevated Stations for Extension Projects of NMRC's Aqua Line from Botanical Garden to Noida Sec-142 (from Chainage (-) 383.959 to 12130.143) and from Depot Station to Boraki MMTH (Chainage 28678.253 to 31263.482).

VIADUCT
DRAWING TITLE: CABLE BRACKET DETAILS OF U-GIRDER

NORTH	DRAWN BY: P. BISHT	CHECKED BY: D.S	VERIFIED BY: P. Banerjee
DATE: 27-03-2026	REV: R0	SCALE: NTS	STATUS: TENDER
ORDER NO: P36-002	DRAWING NUMBER: NGNE-VID-TED-STR-10107	SHEET NO: 01 OF 02	SHEET SIZE: A1

Certified that this document has been designed and checked in accordance with DDC Quality Assurance Plan.

Authorised Signatory for DDC, NGNEDDC Project Manager

Architecture Design In-charge/ Coordinator	Structure Design In-charge/ Coordinator	E&M Design In-charge/ Coordinator
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DETAIL DESIGN CONSULTANT :



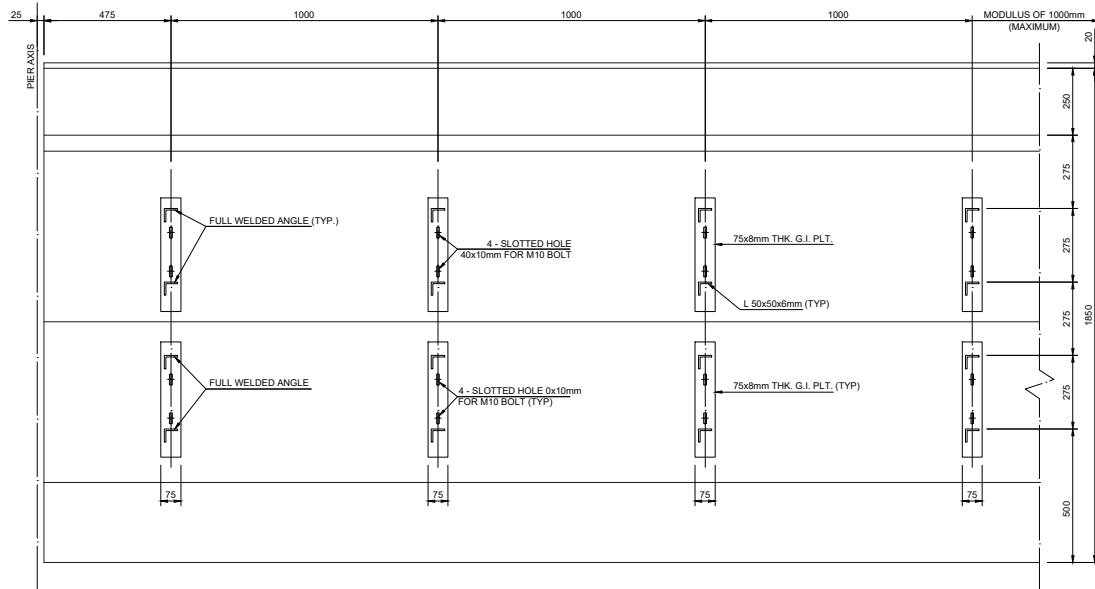
Ayesa India Private Limited
D 99, 3rd Floor, Sector 2, Noida -201301, Gautam
Buzh Nagar, Uttar Pradesh
Tel.: +(91) 120 490 8800, Email: dcd05@ayesa.com

GENERAL NOTES		
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5. ALL DOOR/WINDOW CILL & LINTEL LEVELS ARE MEASURED FROM MAIN FLOOR FINISHED LEVELS.		
REVISIONS		
REV.	DESCRIPTION	DRAWING NO.
R0	INITIAL DRAWING	NGNE-VID-TED-STR-10107 (SHEET- 02)

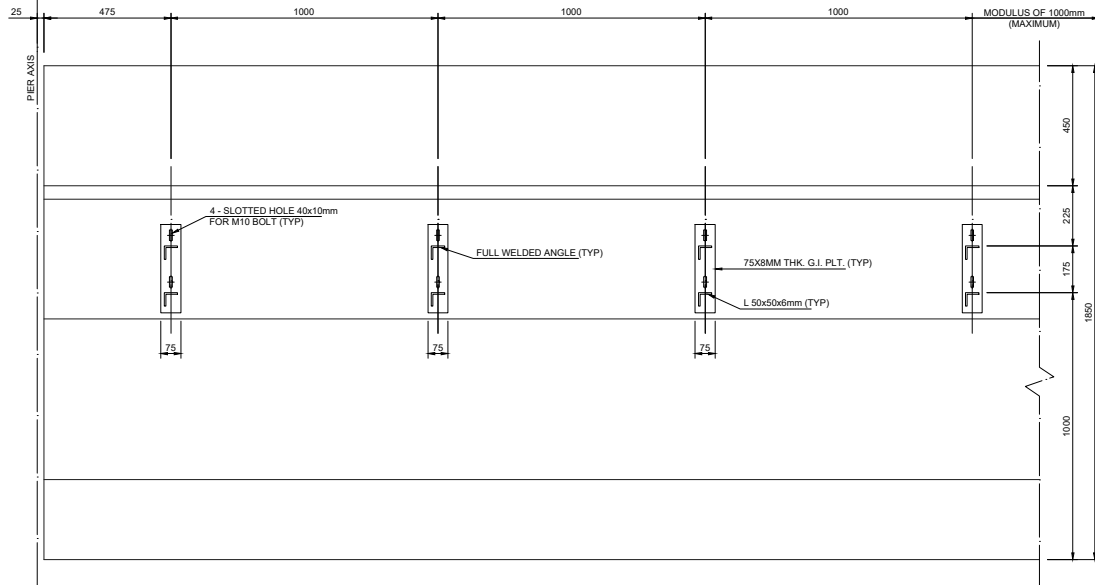
REVISIONS					APPROVAL OF NMRC OFFICIALS				
REV.	DESCRIPTION	DATE	DRAWN BY	CHECKED BY					
R0	INITIAL DRAWING	27-03-2026	PB	D.S					

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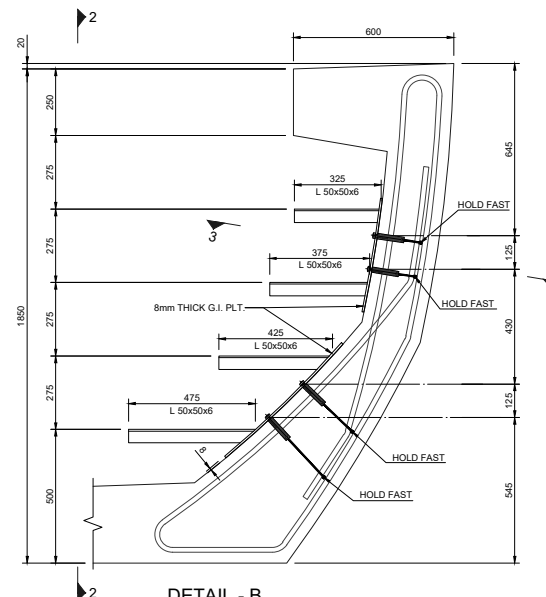
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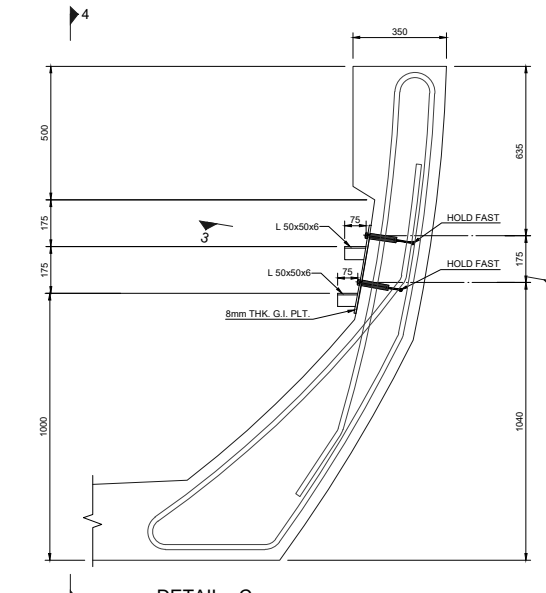
ELEVATION VIEW 2-2
SCALE : 1:10



ELEVATION VIEW 4-4
SCALE : 1:10



DETAIL - B
(DETAILS OF CABLE BRACKET AT HT SIDE)
SCALE : 1:10



DETAIL - C
(DETAILS OF CABLE BRACKET AT INNER WEBS)
SCALE : 1:10

TENDER DRAWING

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NOIDA METRO RAIL CORPORATION LTD.
Block-III, 3rd Floor, Ganga Shopping Complex, Sector-29, Noida -201301,
District Gautam Budh Nagar, Uttar Pradesh, India

PROJECT: NGNECC-01: Part Design & Construction of Elevated Viaduct and 10 nos. of Elevated Stations for Extension Projects of NMRC's Aqua Line from Botanical Garden to Noida Sec-142 (from Chainage (-) 383.959 to 12130.143) and from Depot Station to Boraki MMTH (Chainage 28678.253 to 31263.482).

VIADUCT
DRAWING TITLE: CABLE BRACKET DETAILS OF U-GIRDER

NORTH	DRAWN BY: P. BISHT	CHECKED BY: D.S.	VERIFIED BY: P. Kundu	APPROVED BY: P. Banerjee
DATE: 27-03-2026	REV: R0	SCALE: NTS	SHEET NO: 02 OF 02	TENDER STATUS:

ORDER NO: PSK-002	DRAWING NUMBER: NGNE-VID-TED-STR-10107	SHEET NO: 02 OF 02	SHEET SIZE: A1	TENDER NO: NGNECC
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- ALL DOOR/WINDOW GILL & LINTEL LEVELS ARE MEASURED FROM MAIN FLOOR FINISHED LEVELS.

REVISIONS

REV.	DESCRIPTION	DATE	DRAWN BY	CHECKED BY
R0	INITIAL DRAWING	27-03-2026	PB	D.S

REFERENCE DRAWINGS

REVISION	DESCRIPTION	DRAWING NO.
R0	CABLE BRACKET DETAILS OF U-GIRDER	NGNE-VID-TED-STR-10107 (SHEET-01)

REVISIONS

REV.	DESCRIPTION	DATE	DRAWN BY	CHECKED BY
R0	INITIAL DRAWING	27-03-2026	PB	D.S

APPROVAL OF NMRC OFFICIALS

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Certified that this document has been designed and checked in accordance with DDC Quality Assurance Plan.

Architecture
Design In-charge/ Coordinator

Structure
Design In-charge/ Coordinator

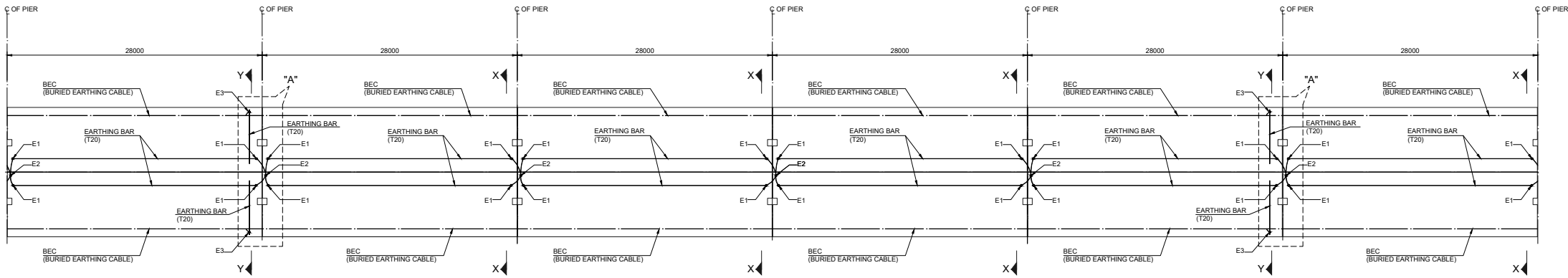
E&M
Design In-charge/ Coordinator

DETAIL DESIGN CONSULTANT :

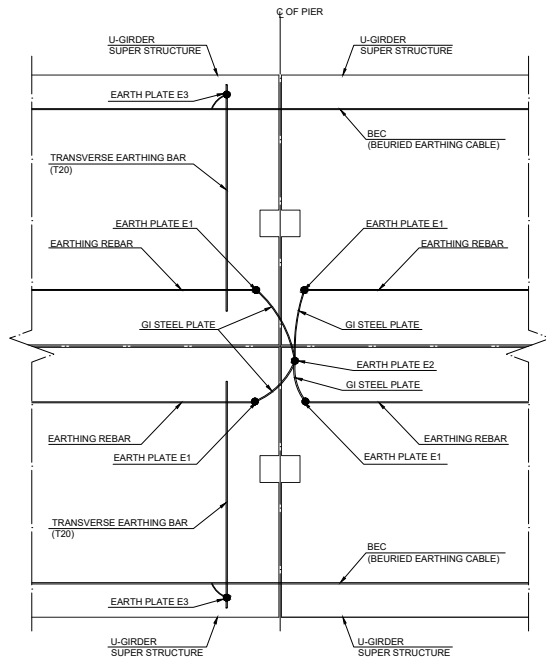
Authorised Signatory for DDC, NGNEDDC Project Manager

ayesa
Ayesa India Private Limited
D 99, 3rd Floor, Sector 2, Noida -201301, Gautam
Buzhi Nagar, Uttar Pradesh
Tel.: +(91) 120 490 8800, Email: dcd05@ayesa.com

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PLAN
SCALE : 1:150



DETAIL - "A"
SCALE : 1:50

LEGENDS:-
 EARTH PLATE E1 : CONNECTING U-GIRDER LONGITUDINAL EARTHING BAR TO GI STEEL PLATE.
 EARTH PLATE E2 : CONNECTING GI STEEL PLATE TO EARTHING REBAR IN PIER CAP.
 EARTH PLATE E3 : TRANSVERSE EARTHING BAR TO BEC (BURIED EARTHING CABLE).

- NOTES :-**
- 1) EACH LONGITUDINAL EARTHING BAR SHALL BE CONNECTED TO SUBSTRUCTURE EARTHING SYSTEM AT BOTH ENDS OF THE BAR.
 - 2) CONNECTION OF EARTHING BAR TO BEC (BURIED EARTHING CABLE RUNNING IN CABLE TRAY) SHALL BE MADE AT EVERY 120m LENGTH (MAXIMUM).
 - 3) FLAT GI STEEL PLATE CONNECTING EARTH PLATES SHALL BE MADE OF 40X6mm.
 - 4) CABLE TRAY ARRANGEMENT AND LOCATION OF BEC (BURIED EARTHING CABLE) ARE INDICATIVE ONLY.
 - 5) EARTHING REBARS SHALL NOT BE CONSIDERED WHILE CHECKING STRUCTURAL RESISTANCE OF THE SUPERSTRUCTURE.
 - 6) THE PLAN VIEW ABOVE SHOWS TYPICAL EARTHING SCHEME FOR 4 SUCCESSIVE 28m SPANS. SAME ARRANGEMENT SHALL BE REPEATED FOR NEXT FOUR SPANS.
 - 7) AS A GENERAL PRINCIPLE ALL METALLIC STRUCTURES SHALL BE ELECTRICALLY CONNECTED (WELDED) TOGETHER TO THE EARTHING SYSTEM ENDING IN GROUND.
 - 8) THE PROPOSED EARTHING SCHEME IS INDICATIVE ONLY AND THE CONTRACTOR SHALL PROPOSE ITS OWN PRINCIPAL IN SHOP DRAWINGS.

TENDER DRAWING

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Noida Metro Rail Corporation Ltd.
 Block-III, 3rd Floor, Ganga Shopping Complex, Sector-29, Noida -201301,
 District Gautam Budh Nagar, Uttar Pradesh, India

PROJECT: NGNECC-01: Part Design & Construction of Elevated Viaduct and 10 nos. of Elevated Stations for Extension Projects of NMRC's Aqua Line from Botanical Garden to Noida Sec-142 (from Chainage (+) 383.959 to 12130.143) and from Depot Station to Boraki MMTM (Chainage 28678.253 to 31263.482).

VIADUCT
 DRAWING TITLE: EARTHING ARRANGEMENT OF U-GIRDER

NORTH	DRAWN BY: P. BISHT	CHECKED BY: D.S.	VERIFIED BY: P. BANSRIJAN
DATE: 27-03-2026	REV: R0	SCALE: NTS	TENDER: 01 OF 03
ORDER NO: PSE-002	DRAWING NUMBER: NGNE-VID-TED-STR-10108	SHEET NO: A1	SHEET SIZE: 1/8

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Authorised Signatory for DDC, NGNECC Project Manager

Architecture Design In-charge/ Coordinator	Structure Design In-charge/ Coordinator	E&M Design In-charge/ Coordinator
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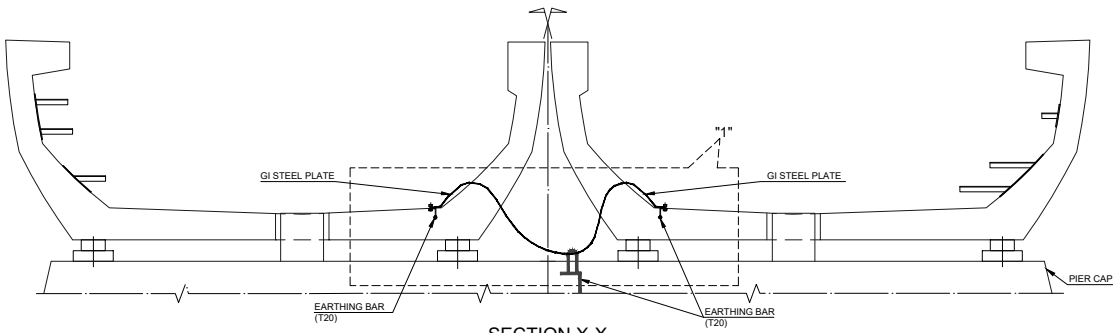
DETAIL DESIGN CONSULTANT :

ayesa
 Ayesa India Private Limited
 D 99, 3rd Floor, Sector 2, Noida -201301, Gautam
 Budh Nagar, Uttar Pradesh
 Tel.: +(91) 120 490 8800, Email: dcd955@ayesa.com

GENERAL NOTES					REVISIONS					APPROVAL OF NMRC OFFICIALS					
1. ALL DIMENSIONS ARE IN MILLIMETER UNLESS MENTIONED. 2. ALL DIMENSIONS ARE TO BE READ AND NOT MEASURED. 3. ANY DISCREPANCY MUST BE BROUGHT TO THE NOTICE OF THE DMRC BEFORE EXECUTION OF WORK AT SITE. 4. THIS DRAWING MUST BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL, STRUCTURAL, PLUMBING & FIRE FIGHTING, ELECTRICAL AND TRAFFIC MANAGEMENT DRAWINGS. 5. ALL DOOR/WINDOW SILL & LINTEL LEVELS ARE MEASURED FROM MAIN FLOOR FINISHED LEVELS.					REV.	DESCRIPTION	DATE	DRAWN BY	CHECKED BY						
R0						INITIAL DRAWING	27-03-2026	PB	D.S						
REFERENCE DRAWINGS															
REVISION	DESCRIPTION	DRAWING NO.													
R0	EARTHING ARRANGEMENT OF U-GIRDER	NGNE-VID-TED-STR-10105 (SHEET-02 & 03)													

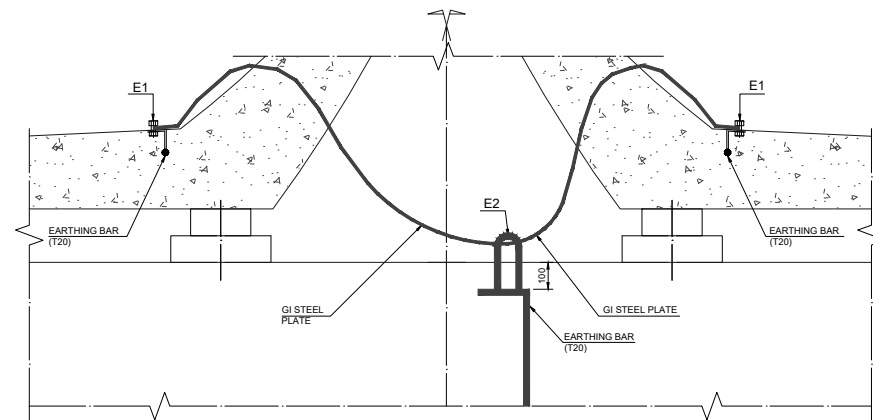
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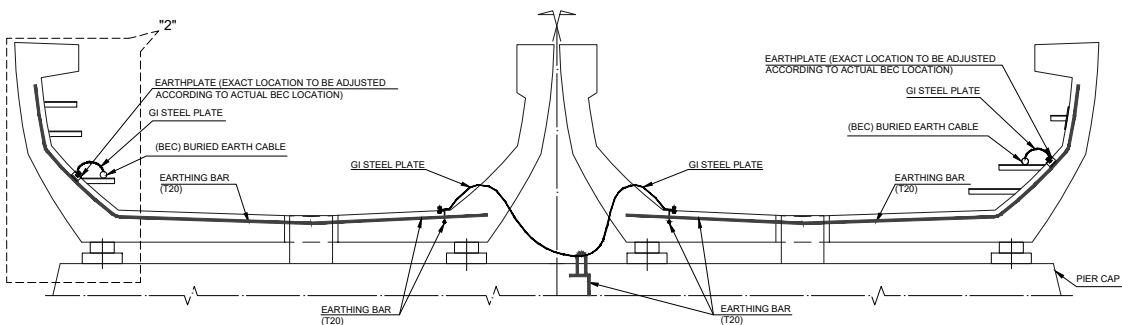
SECTION X-X

SCALE : 1:25
TYPICAL CROSS-SECTION AT PIER
(NO CONNECTION TO BEC)



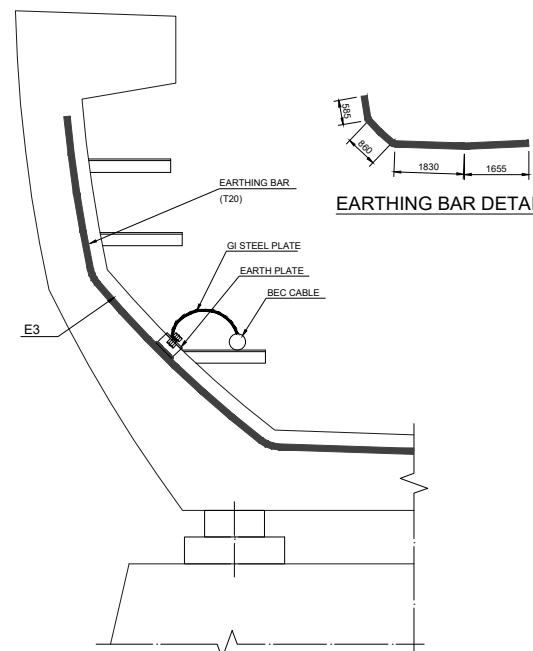
DETAIL - "1"

SCALE : 1:10



SECTION Y-Y

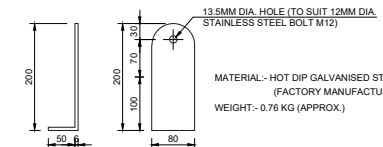
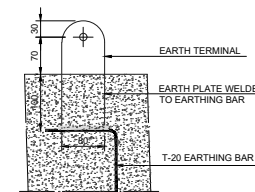
SCALE : 1:25
CROSS-SECTION AT PIER WHERE
EARTHING BAR ARE CONNECTED TO BEC (BURIED EARTH CABLE)



EARTHING BAR DETAIL

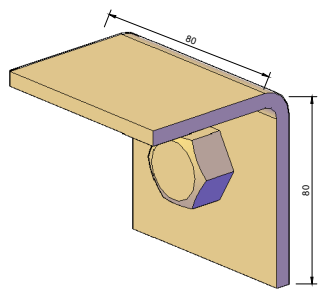
DETAIL - "2"

SCALE : 1:10



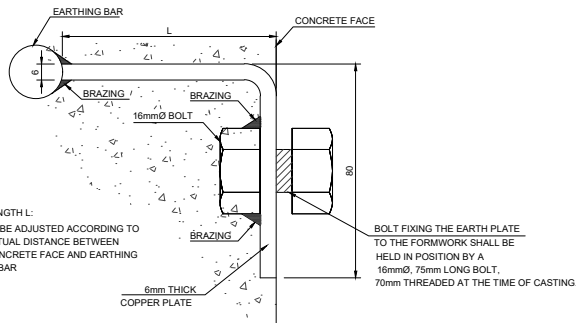
**TYPICAL EARTH TERMINAL DETAIL
FOR CONNECTION E2**

SCALE : 1:5



**ISOMETRIC VIEW EARTH PLATE
FOR CONNECTION E1 & E3**

SCALE : 1:1



**TYPICAL EARTH PLATE DETAIL
FOR CONNECTION E1 & E3**

SCALE : 1:1

TENDER DRAWING

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NOKIDA METRO RAIL CORPORATION LTD.
Block-III, 3rd Floor, Ganga Shopping Complex, Sector-29, Noida -201301,
District Gautam Budh Nagar, Uttar Pradesh, India

PROJECT: NGNECC-01: Part Design & Construction of Elevated Viaduct and 10 nos. of Elevated Stations for Extension Projects of NMRC's Aqua Line from Botanical Garden to Noida Sec-142 (from Chainage (-) 383.959 to 12130.143) and from Depot Station to Boraki MMTH (Chainage 28678.253 to 31263.482).

VIADUCT
DRAWING TITLE: EARTHING ARRANGEMENT OF U-GIRDER

NORTH	DRAWN BY: P. BISHT	CHECKED BY: D.S.	VERIFIED BY: P. Banerjee	APPROVED BY: P. Banerjee
DATE: 27-03-2026	REV: R0	SCALE: 1:10	NTS	TENDER
ORDER NO: PSE-002	DRAWING NUMBER: NGNE-VID-TED-STR-10108	SHEET NO: 02 OF 03	SHEET SIZE: A1	NO. SHEETS: 1

- GENERAL NOTES:**
- ALL DIMENSIONS ARE IN MILLIMETER UNLESS MENTIONED.
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 - THIS DRAWING MUST BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL, STRUCTURAL, PLUMBING & FIRE FIGHTING ELECTRICAL AND TRAFFIC MANAGEMENT DRAWINGS.
 - ALL DOOR/WINDOW CILL & LINTEL LEVELS ARE MEASURED FROM MAIN FLOOR FINISHED LEVELS.

REFERENCE DRAWINGS

REVISION	DESCRIPTION	DRAWING NO.
R0	EARTHING ARRANGEMENT OF U-GIRDER	NGNE-VID-TED-STR-10105 (SHEET-01 & 03)

REVISIONS				
REV.	DESCRIPTION	DATE	DRAWN BY	CHECKED BY
R0	INITIAL DRAWING	27-03-2026	PB	D.S

APPROVAL OF NMRC OFFICIALS				

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Authorised Signatory for DDC, NGNEDDC Project Manager

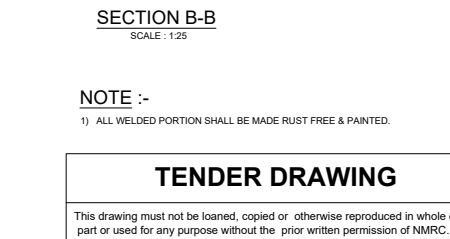
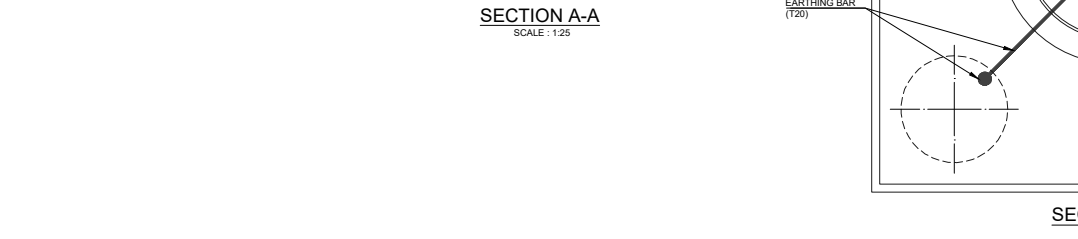
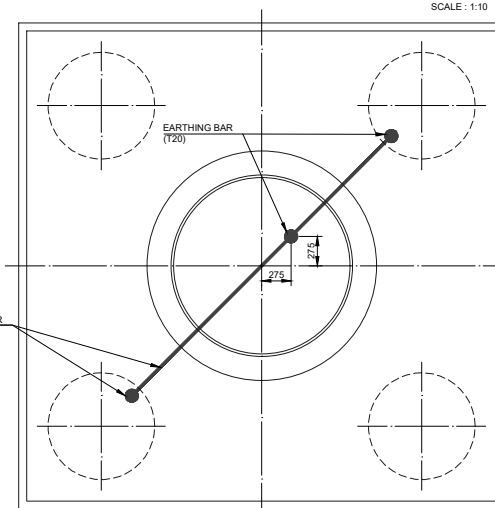
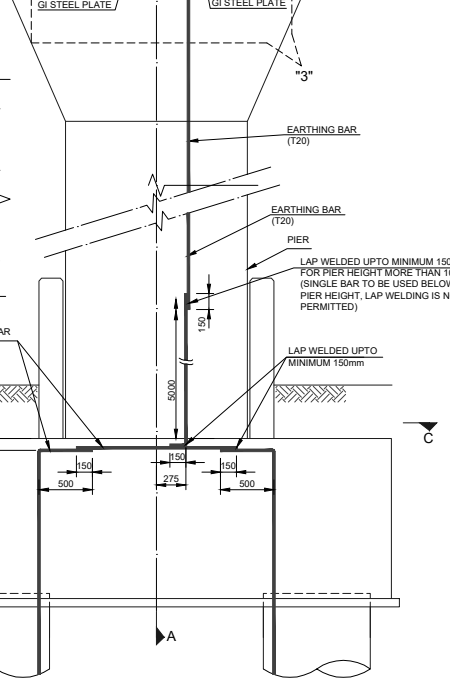
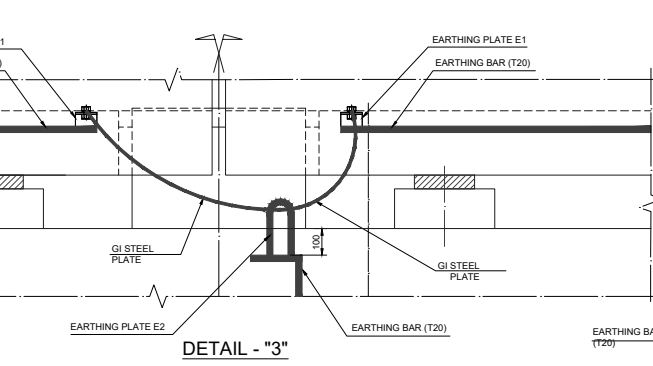
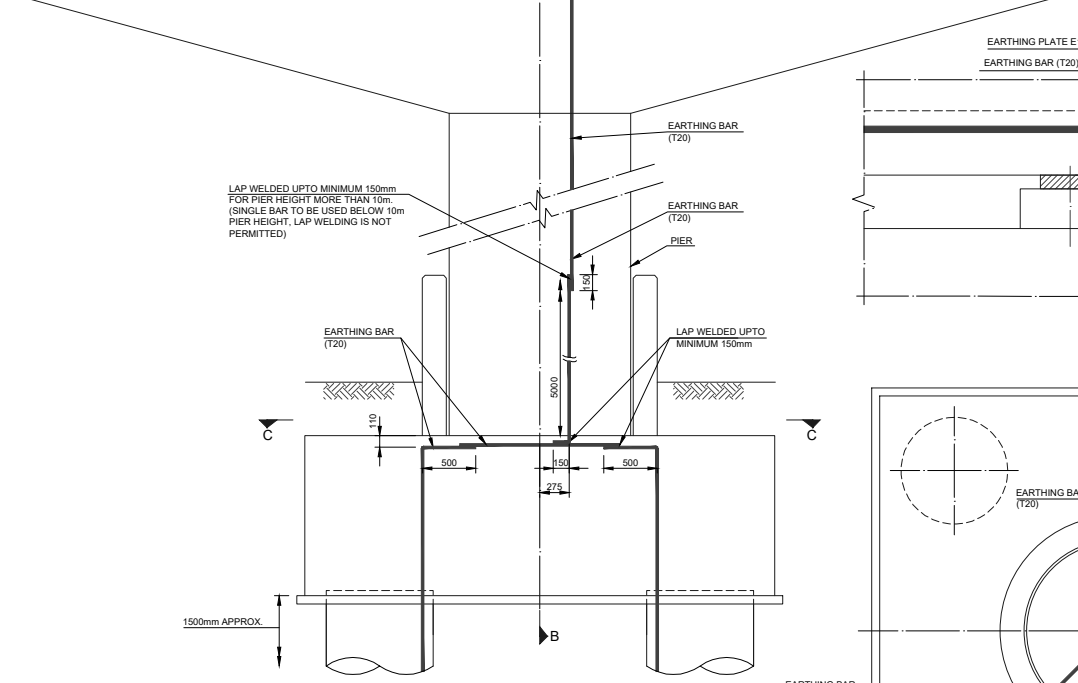
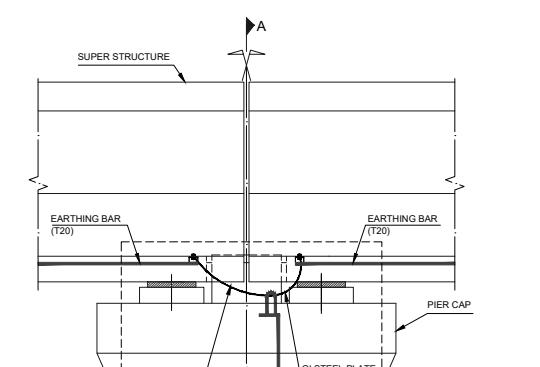
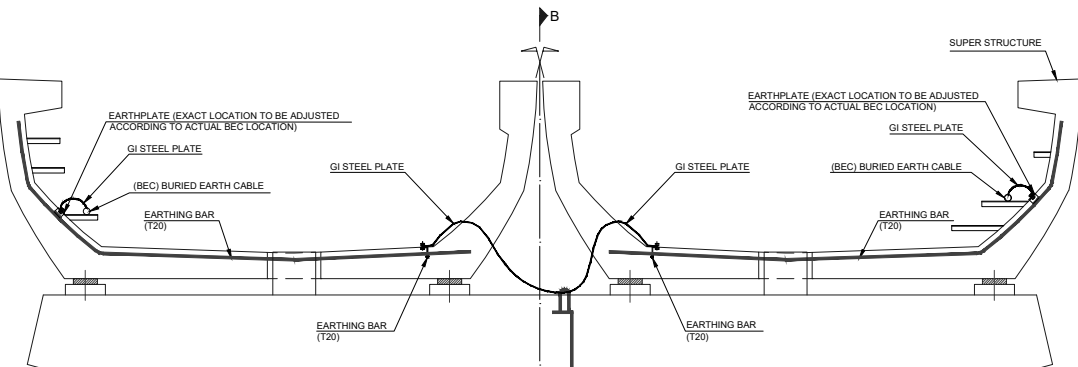
Architecture Design In-charge/ Coordinator	Structure Design In-charge/ Coordinator	E&M Design In-charge/ Coordinator
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DETAIL DESIGN CONSULTANT :



Ayesa India Private Limited
D 99, 3rd Floor, Sector 2, Noida -201301, Gautam
Buzhi Nagar, Uttar Pradesh
Tel.: +(91) 120 490 8800, Email: dcd05@ayesa.com

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NOTE :-
1) ALL WELDED PORTION SHALL BE MADE RUST FREE & PAINTED.

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NDA METRO RAIL CORPORATION LTD.
Block-III, 3rd Floor, Ganga Shopping Complex, Sector-29, Noida -201301,
District Gautam Budh Nagar, Uttar Pradesh, India

PROJECT: NGNECC-01: Part Design & Construction of Elevated Viaduct and 10 nos. of Elevated Stations for Extension Projects of NMRC's Aqua Line from Botanical Garden to Noida Sec-142 (from Chainage (-) 383.959 to 12130.143) and from Depot Station to Boraki MMTH (Chainage 28678.253 to 31263.482).

VIADUCT
DRAWING TITLE: EARTHING ARRANGEMENT OF U-GIRDER

NORTH	DRAWN BY: P. BISHT	CHECKED BY: D.S	APPROVED BY: P. Banerjee
DATE: 27-03-2026	REV: R0	SCALE: 03 OF 03	STATUS: TENDER
ORDER NO: P36-002	DRAWING NUMBER: NGNE-VID-TED-STR-10108	SHEET NO: 03 OF 03	SHEET SIZE: A1

GENERAL NOTES:

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- ALL DOOR/WINDOW GILL & LINTEL LEVELS ARE MEASURED FROM MAIN FLOOR FINISHED LEVELS.

REFERENCE DRAWINGS

REVISION	DESCRIPTION	DRAWING NO.
R0	EARTHING ARRANGEMENT OF U-GIRDER	NGNE-VID-TED-STR-10105 (SHEET-01 & 02)

REVISIONS

REV.	DESCRIPTION	DATE	DRAWN BY	CHECKED BY
R0	INITIAL DRAWING	27-03-2026	PB	D.S

APPROVAL OF NMRC OFFICIALS

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Certified that this document has been designed and checked in accordance with DDC Quality Assurance Plan.

Authorised Signatory for DDC, NGNEDDC Project Manager

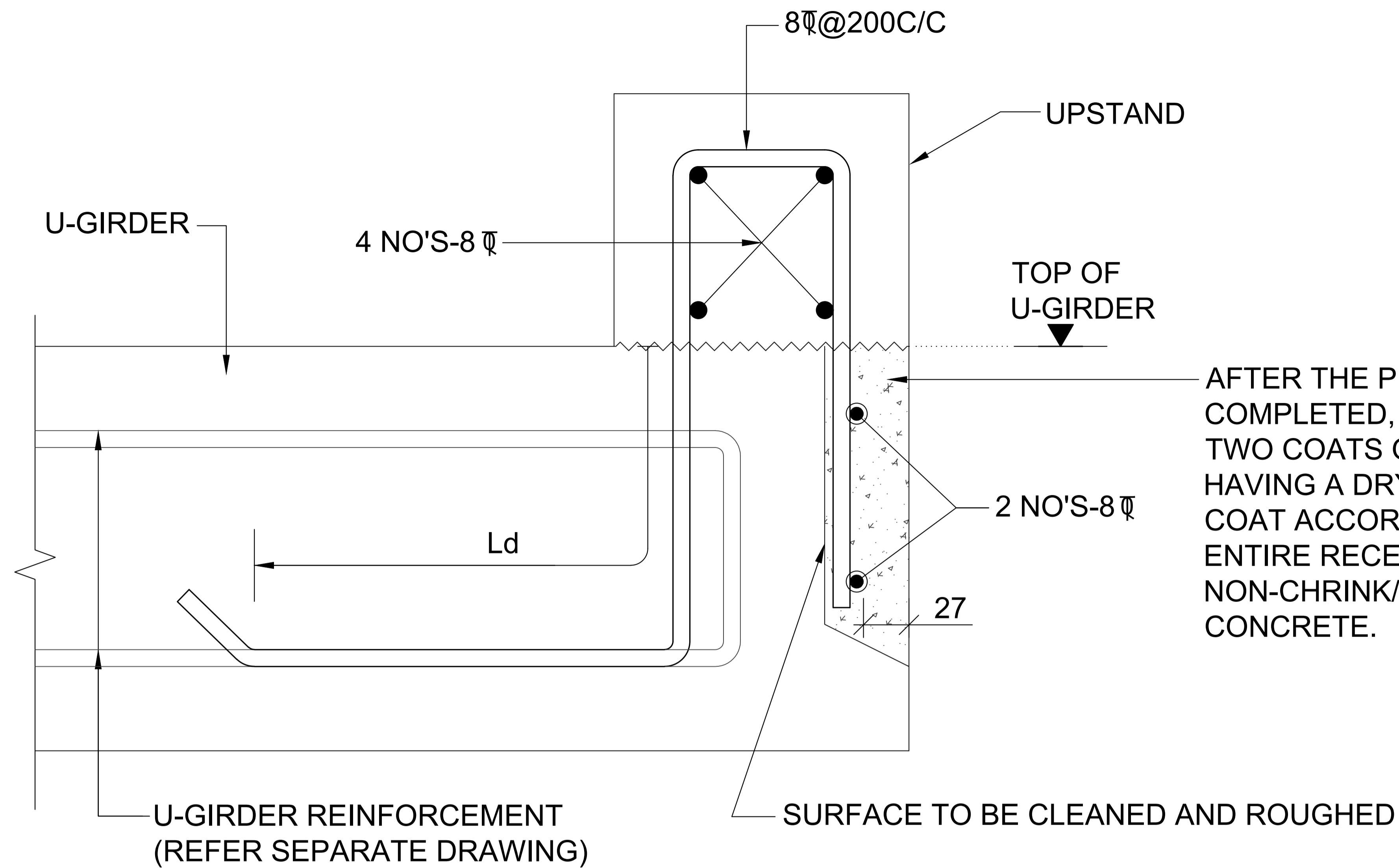
Architecture Design In-charge/ Coordinator	Structure Design In-charge/ Coordinator	E&M Design In-charge/ Coordinator
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DETAIL DESIGN CONSULTANT :

ayesa
Ayesa India Private Limited
D 99, 3rd Floor, Sector 2, Noida -201301, Gautam
Buddhi Nagar, Uttar Pradesh
Tel.: +(91) 120 490 8800, Email: dcd0505@ayesa.com

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AFTER THE PRESTRESSING OPERATIONS ARE COMPLETED, THE SURFACE SHALL BE PAINTED WITH TWO COATS OF EPOXY OF SUITABLE FORMULATION HAVING A DRY FILM THICKNESS OF 80 MICRONS PER COAT ACCORDING TO TECHNICAL SPECIFICATION AND ENTIRE RECESS SHALL BE FILLED WITH CONCRETE OR NON-CRINK/PRE-PACKAGED MORTAR OF EPOXY CONCRETE.

REINFORCEMENT DETAIL OF UPSTAND AT RECESS

(SCALE 1:5)

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS, LEVELS ARE IN METERS UNLESS OTHERWISE MENTIONED.
2. DIMENSIONS ARE NOT TO BE SCALED. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
3. ANY DISCREPANCIES MUST BE BROUGHT TO THE NOTICE OF THE CONSULTANT BEFORE EXECUTION OF WORK AT SITE.
4. GRADE OF CONCRETE FOR UPSTAND WALL IS M40.
5. CLEAR COVER TO REINFORCEMENT OF UPSTAND WALL SHALL BE 35mm EXCEPT SPECIFIED OTHERWISE.
6. MINIMUM ANCHORAGE LENGTH, L_d FOR SINGLE BARS SHALL BE $41xd$ AND FOR UPSTANDLED BARS SHALL BE $52xd$, WHERE 'd' IS THE DIAMETER OF THE BAR.

TENDER DRAWING

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VIADUCT
DRAWING TITLE: REINFORCEMENT DETAIL OF UPSTAND NEAR RECESS

NORTH	DRAWN BY: P. BISHT	CHECKED BY: D.S	VERIFIED BY: P. Kundu	APPROVED BY: P. Banerjee
DATE: 27-03-2026	REV: R0	SCALE: NTS	STATUS: TENDER	NGNEDDC
ORDER N° P36-0022	DRAWING NUMBER: NGNE-VID-TED-STR-10110	SHEET NO. 01 OF 01	SHEET SIZE A1	

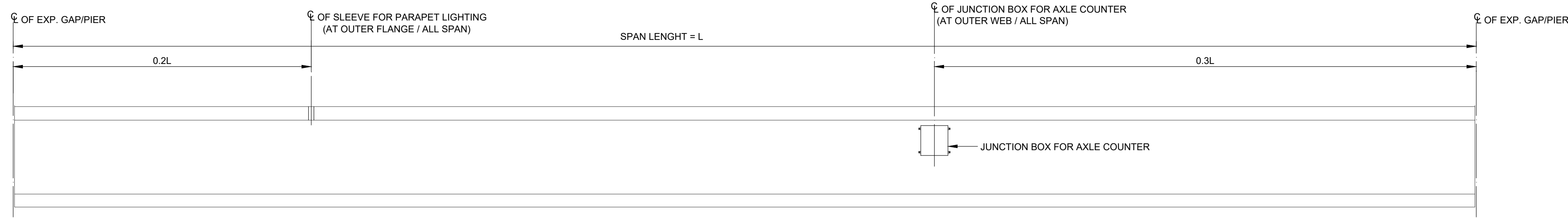
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2. ALL DIMENSIONS ARE TO BE READ AND NOT MEASURED.		
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5. ALL DOOR/WINDOW CILL & LINTEL LEVELS ARE MEASURED FROM MAIN FLOOR FINISHED LEVELS.		
REFERENCE DRAWINGS		
REVISION	DESCRIPTION	DRAWING NO.

REVISIONS					APPROVAL OF NMRC OFFICIALS				
REV.	DESCRIPTION	DATE	DRAWN BY	CHECKED BY					
R0	INITIAL DRAWING	27-03-2026	PB	D.S					

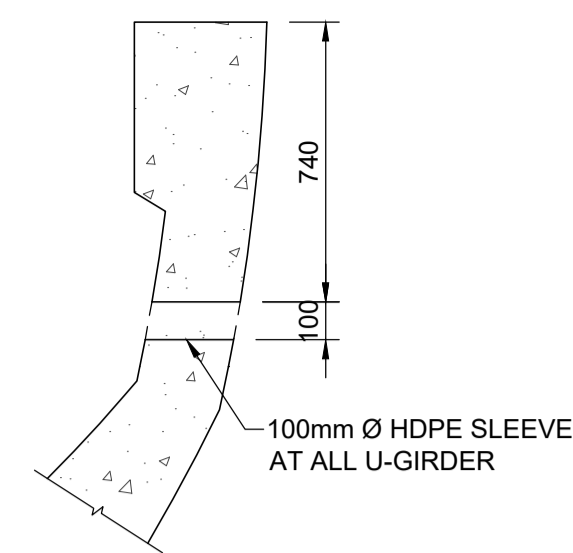
Certified that this document has been designed and checked in accordance with DDC Quality Assurance Plan.			Authorised Signatory for DDC, NGNEDDC Project Manager		
Architecture Design In-charge/ Coordinator	Structure Design In-charge/ Coordinator	E&M Design In-charge/ Coordinator			
DETAIL DESIGN CONSULTANT :					
Ayesa India Private Limited D 99, 3rd Floor, Sector 2, Noida -201301, Gautam Budh Nagar, Uttar Pradesh Tel.: +(91) 120 490 8800, Email: dcdd05@ayesa.com					

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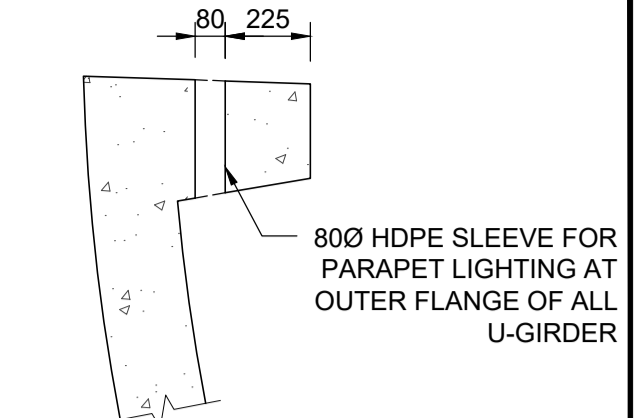
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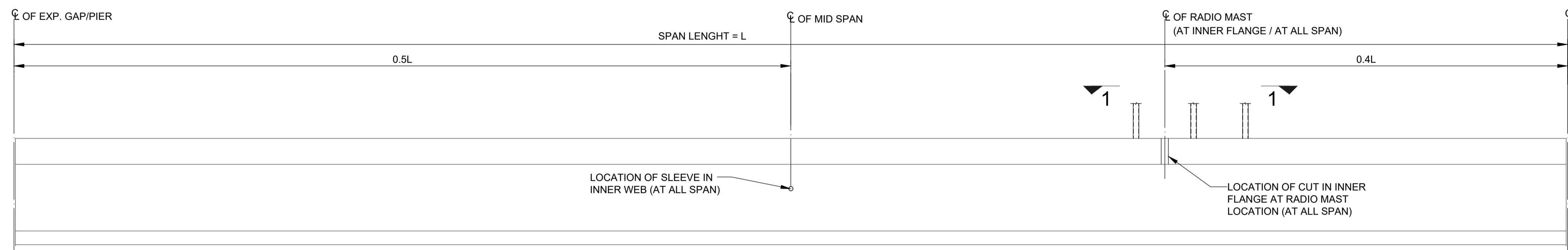
ELEVATION OF OUTER WEB
(SHOWING LOCATION OF SLEEVE & INSERT)
SCALE : 1/50



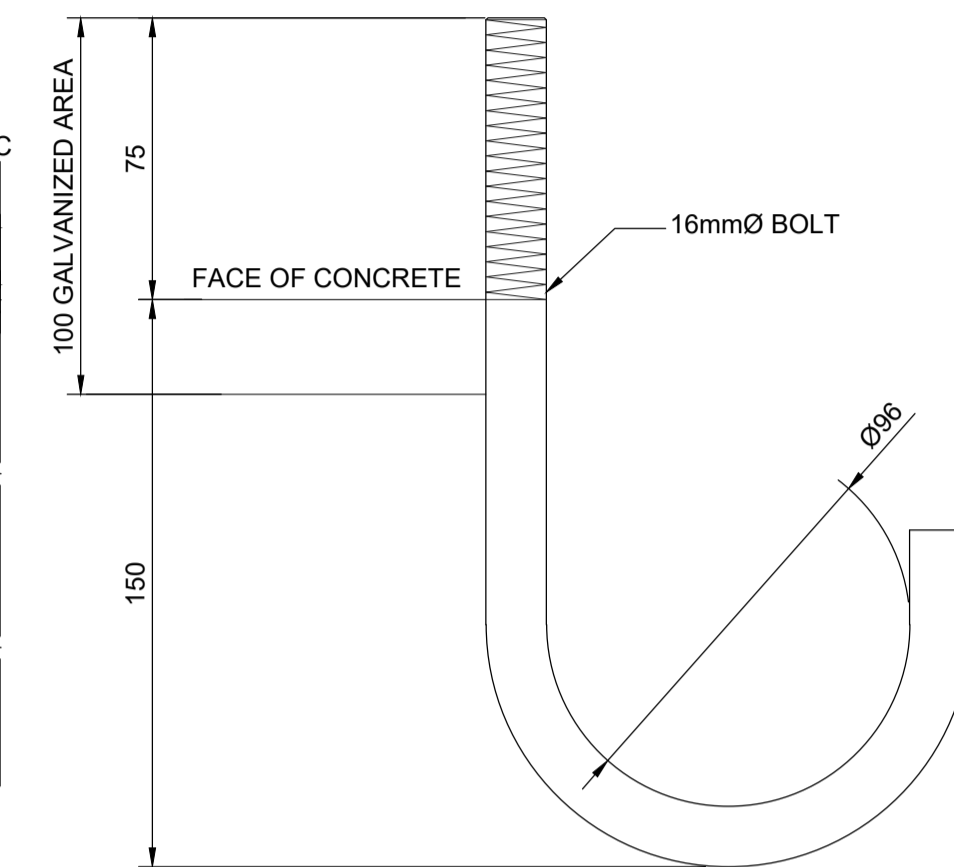
DETAIL OF SLEEVE AT INNER WEB
(SCALE : 1:20)



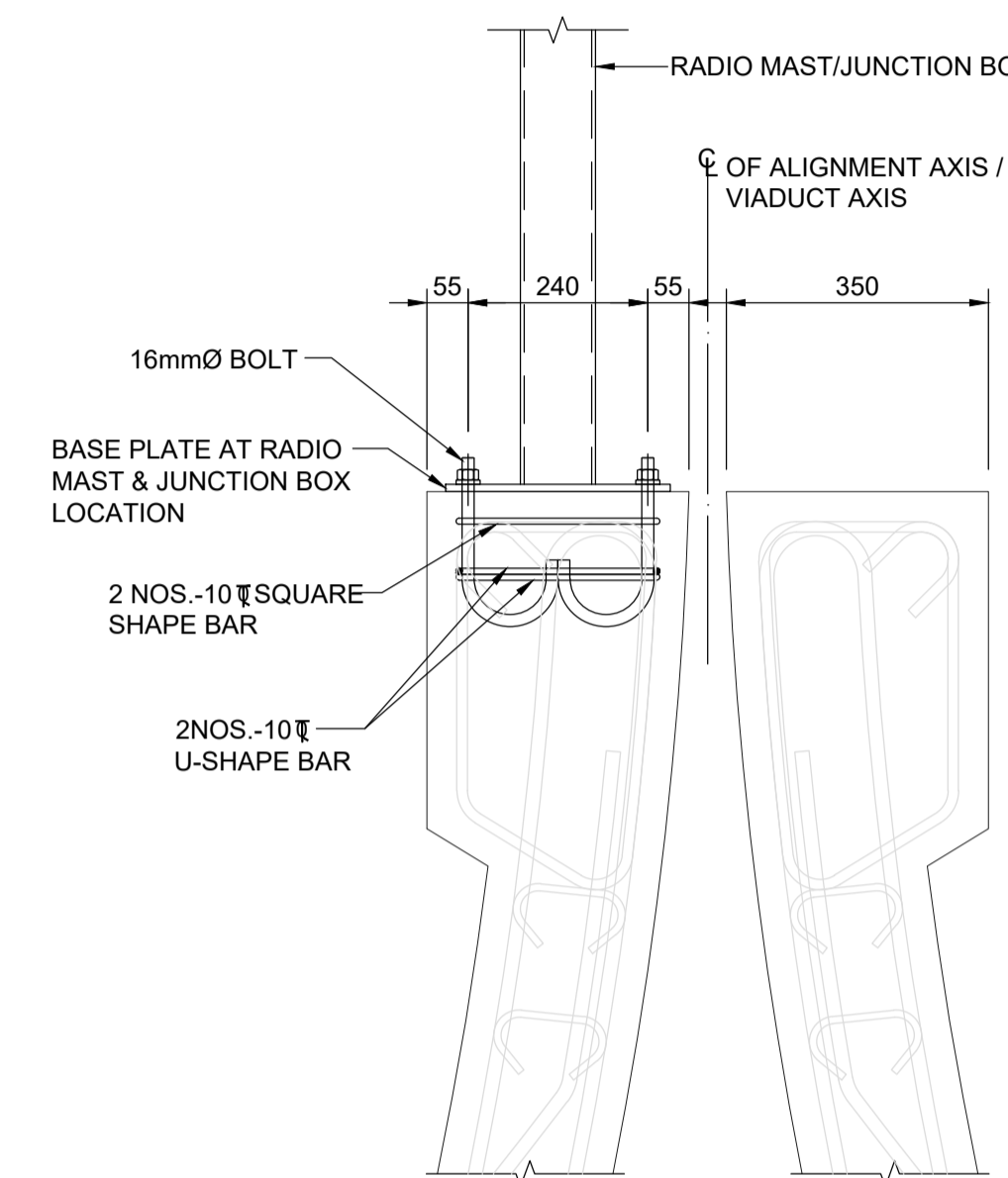
DETAIL OF SLEEVE FOR PARAPET LIGHTING AT OUTER FLANGE
(SCALE : 1:20)



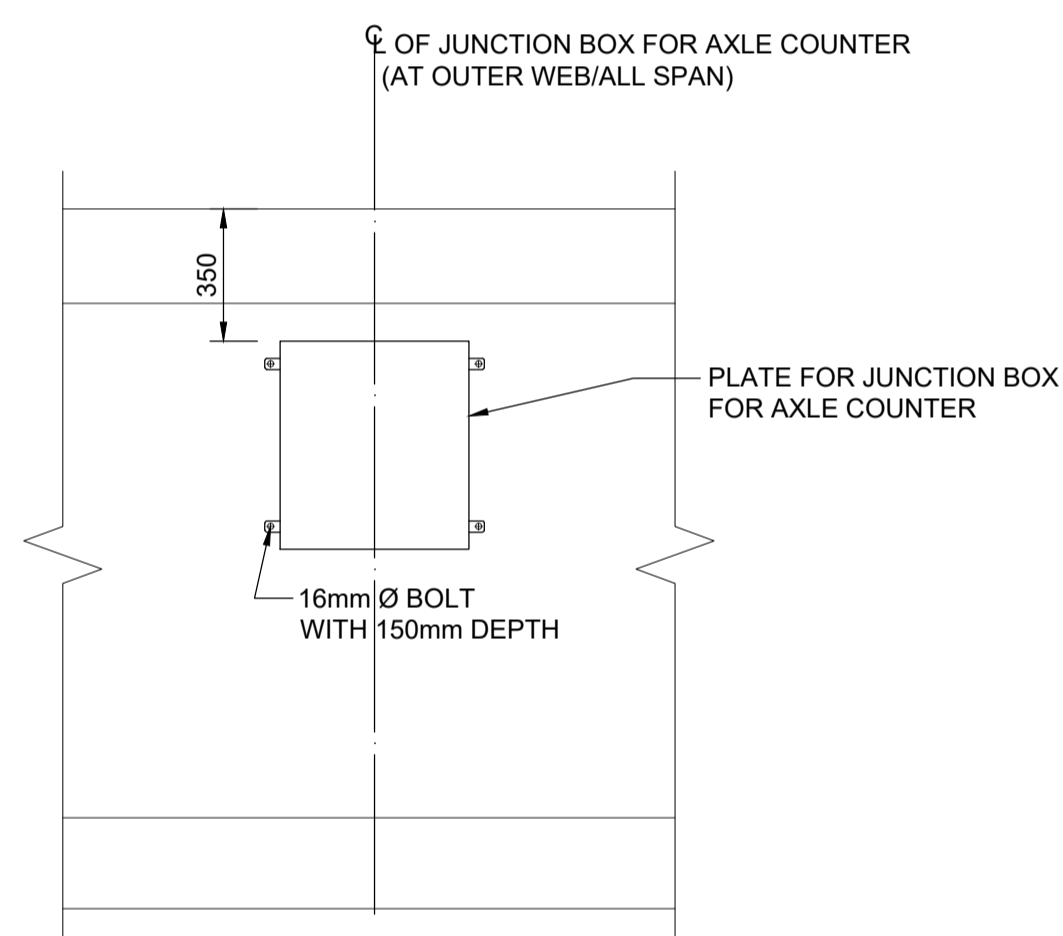
ELEVATION OF INNER WEB
(SHOWING LOCATION OF SLEEVE & INSERT)
SCALE : 1/50



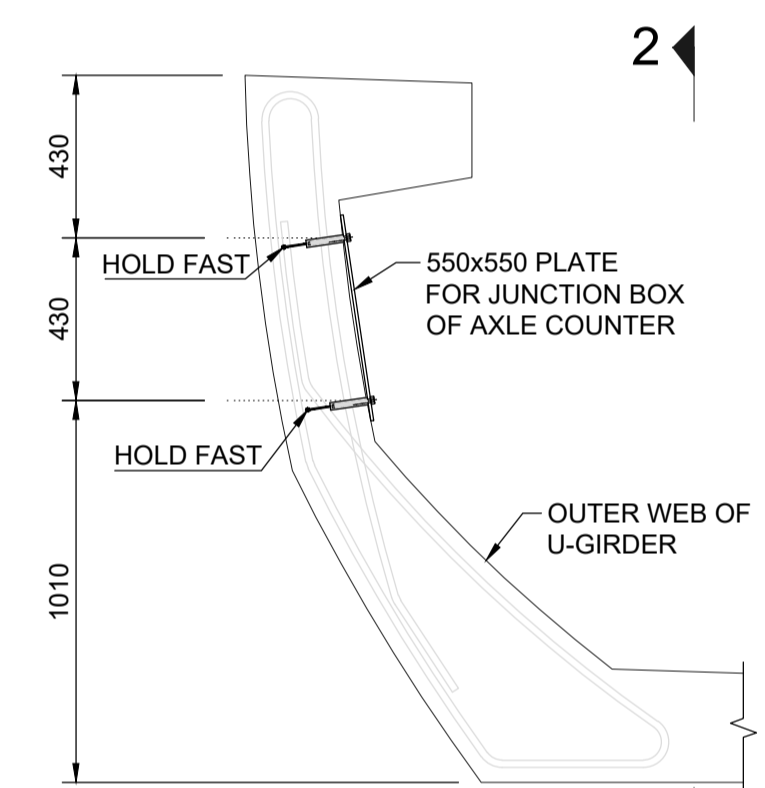
DETAIL OF J-BOLT
SCALE : 1:5



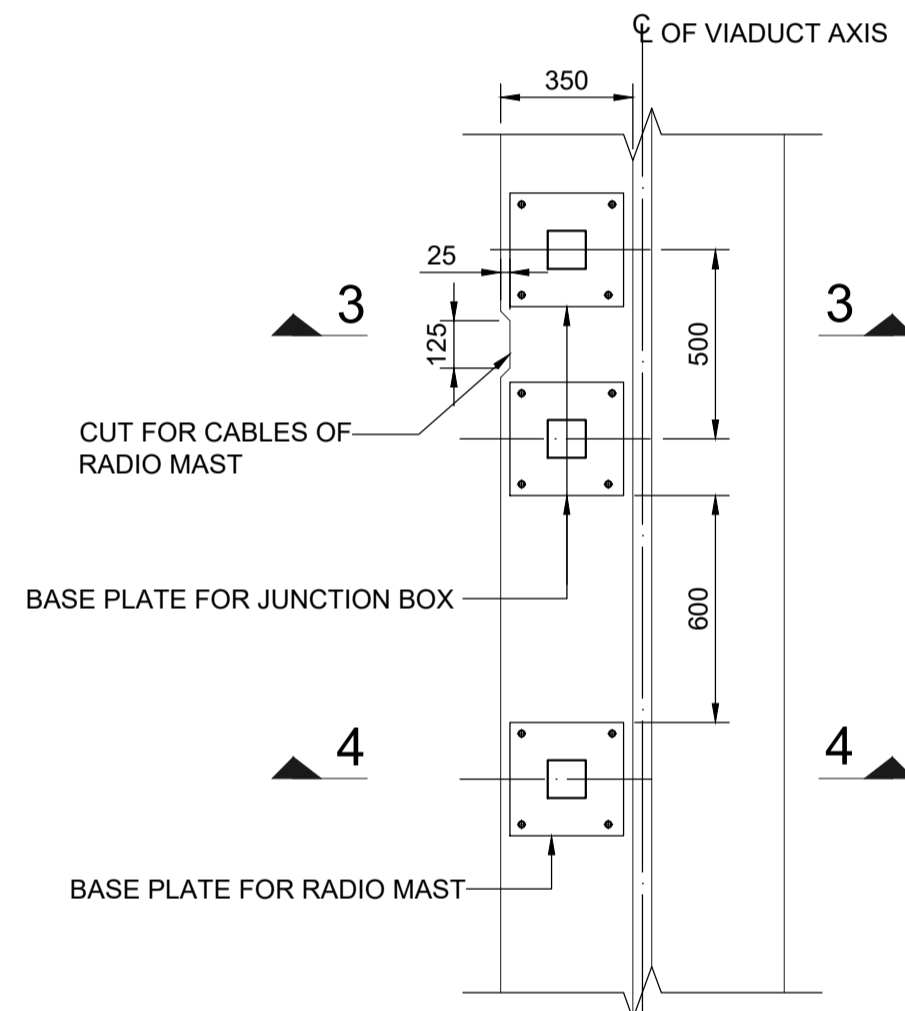
SECTION 4-4
SCALE : 1:10



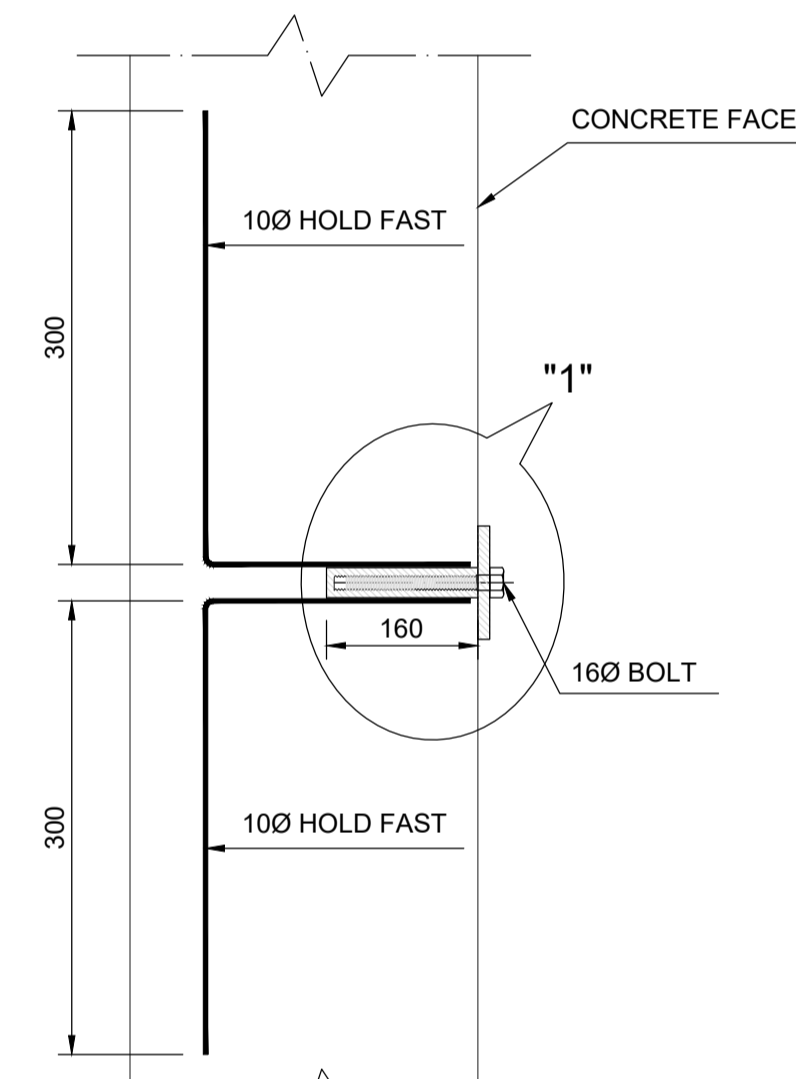
VIEW 2-2
SCALE : 1:20



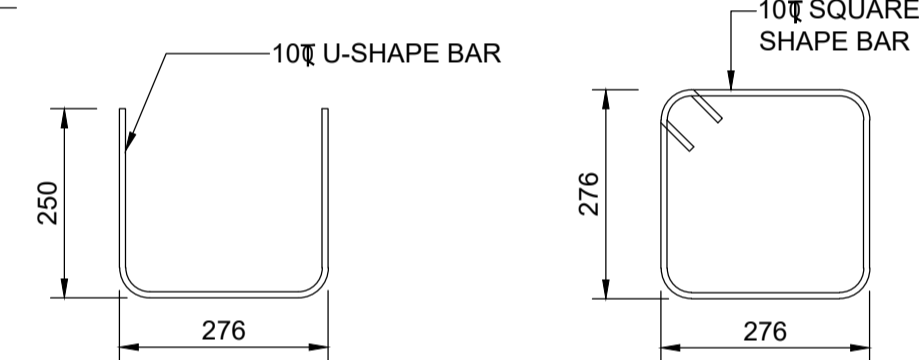
DETAILS OF INSERT FOR AXLE COUNTER JUNCTION BOX AT OUTER WEB
SCALE : 1:20



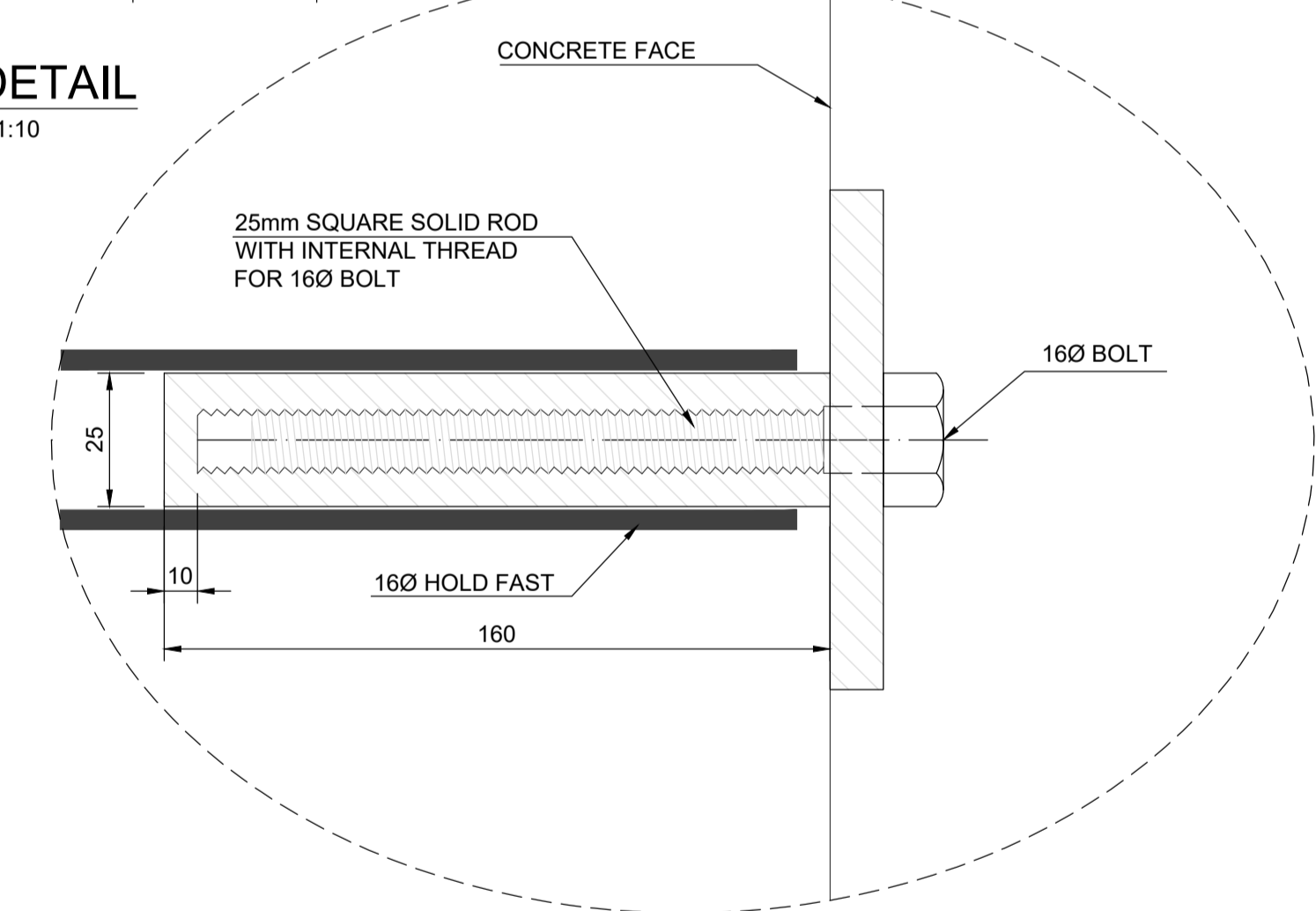
VIEW 1-1 (AT RADIO MAST LOCATION)
SCALE : 1:20



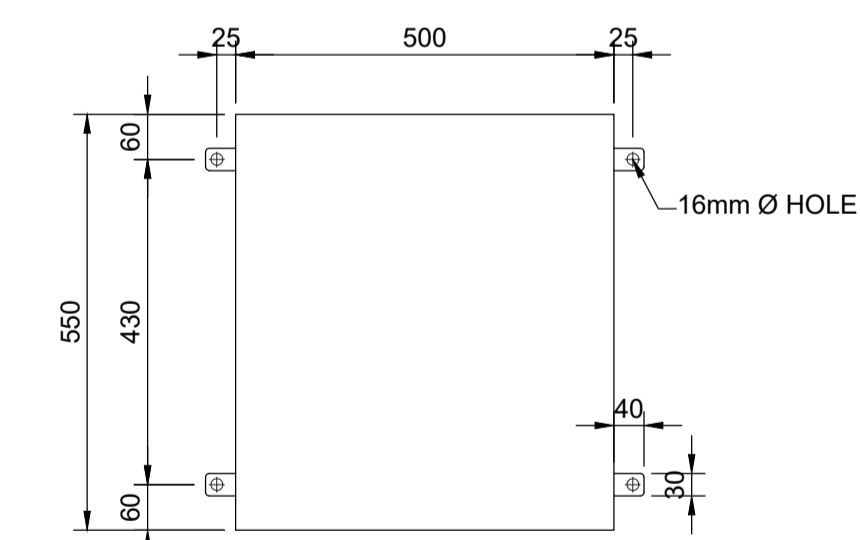
DETAIL OF HOLD FAST
SCALE : 1:5



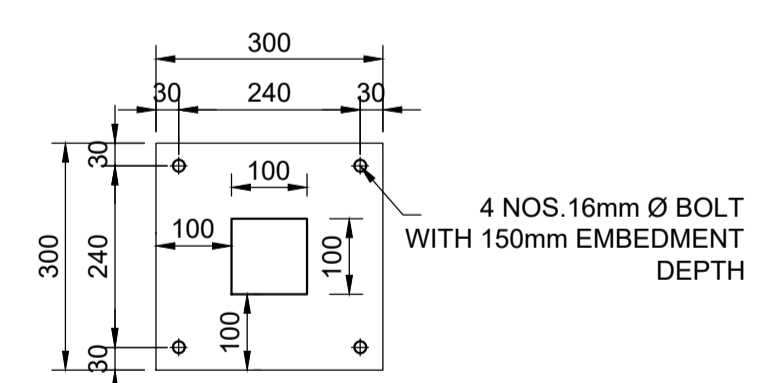
REBAR DETAIL
SCALE : 1:10



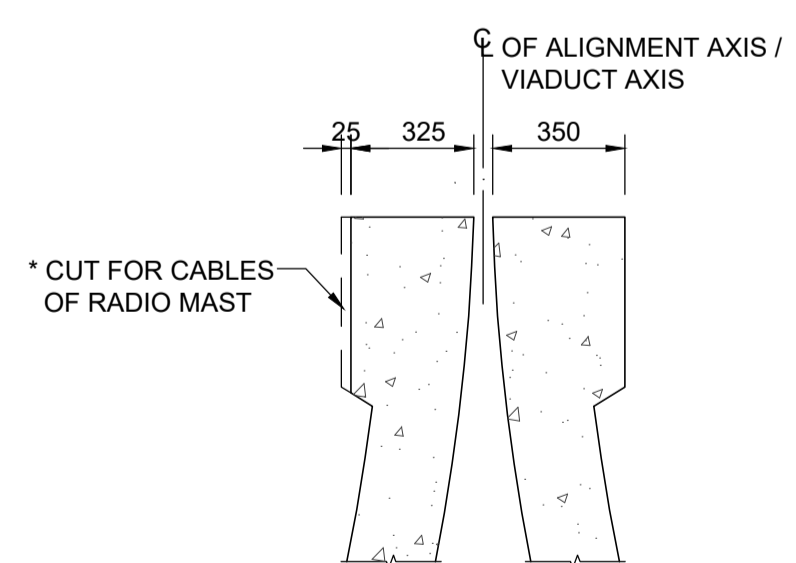
DETAIL - 1
SCALE : 1:1



DETAIL OF PLATE FOR AXLE COUNTER JUNCTION BOX (AT OUTER WEB/ALL SPAN)
SCALE : 1:10



DETAIL OF PLATE FOR JUNCTION BOX & RADIO MAST (AT INNER FLANGE/ALL SPAN)
SCALE : 1:10



SECTION 3-3
SCALE : 1:20

NOTES :

- ALL MATERIALS SHALL CONFORM TO IS : 2062 STEEL FOR GENERAL STRUCTURE PURPOSES (GRADE B - DESIGNATION 410-B)
- HEXAGONAL 16Ø BOLT SHALL BE OF STAINLESS STEEL GRADE: 4.6 HIGH TENSILE STEEL CONFORMING TO IS: 1367-PART 3. TESTING SHALL BE DONE AS PER IS: 1367 - PART 3 TO CONFIRM GRADE 4.6 HIGH TENSILE STEEL.
- 25mm SQUARE SOLID ROD WITH INTERNAL THREAD FOR 16 DIA. BOLT SHALL BE ACCURATELY POSITIONED AT CASTING YARD, BY USING 10Ø HOLD FAST FOR INSTANCE. THE 16Ø BOLT SHALL ALSO BE SUPPLIED LOOSE.
- BOLT SHALL NOT BE MADE FROM REINFORCEMENT BAR.
- ALL THE ANCHORS SHALL BE ACCURATELY POSITIONED AT CASTING YARD, BY USING SPECIAL DEVICE SUCH AS JIG FIXED TO LATERAL SHUTTER OF C - GIRDER FOR INSTANCE.
- NUTS, WASHERS, TOP AREA OF J-BOLT, BASE PLATE SHALL BE HOT DIPPED GALVANIZED AS PER INDIAN STANDARD SPECIFICATION.
- THE J SHAPE BOLTS SHALL BE VERTICAL AND PLACED WITHIN +/- 1mm IN ALL DIRECTIONS.
- ANY FIXTURES FOUND RUSTED SHALL BE REPLACED BY THE CONTRACTOR & SHALL BE TREATED AS REJECTED.

TENDER DRAWING

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NOIDA METRO RAIL CORPORATION LTD.
Block-III, 3rd Floor, Ganga Shopping Complex, Sector-29, Noida -201301, District Gautam Budh Nagar, Uttar Pradesh, India

PROJECT: NGNECC-01: Part Design & Construction of Elevated Viaduct and 10 nos. of Elevated Stations for Extension Projects of NMRC's Aqua Line from Botanical Garden to Noida Sec-142 (from Chainage (-) 383.959 to 12130.143) and from Depot Station to Boraki MMTH (Chainage 28678.253 to 31263.482).

VIADUCT
DRAWING TITLE: DETAILS OF BASE PLATE & SLEEVE OF U-GIRDER (OTHER THAN SIGNAL LOCATION)

NORTH Z	DRAWN BY: P. BISHT	CHECKED BY: D.S	VERIFIED BY: P. Kundu	APPROVED BY: P. Banerjee
	DATE: 27-03-2026	REV: R0	SCALE: NTS	STATUS: TENDER
ORDER N° P36-0022	DRAWING NUMBER: NGNE-VID-TED-STR-10111	SHEET NO. 01 OF 01	SHEET SIZE A1	INGEDDC



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Budh Nagar, Uttar Pradesh
Tel.: +(91) 120 490 8800, Email: dcdd05@ayesa.com

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- ALL DOOR/WINDOW CILL & LINTEL LEVELS ARE MEASURED FROM MAIN FLOOR FINISHED LEVELS.

REFERENCE DRAWINGS

REVISION	DESCRIPTION	DRAWING NO.

REVISIONS					APPROVAL OF NMRC OFFICIALS				
REV.	DESCRIPTION	DATE	DRAWN BY	CHECKED BY					
R0	INITIAL DRAWING	27-03-2026	PB	D.S					

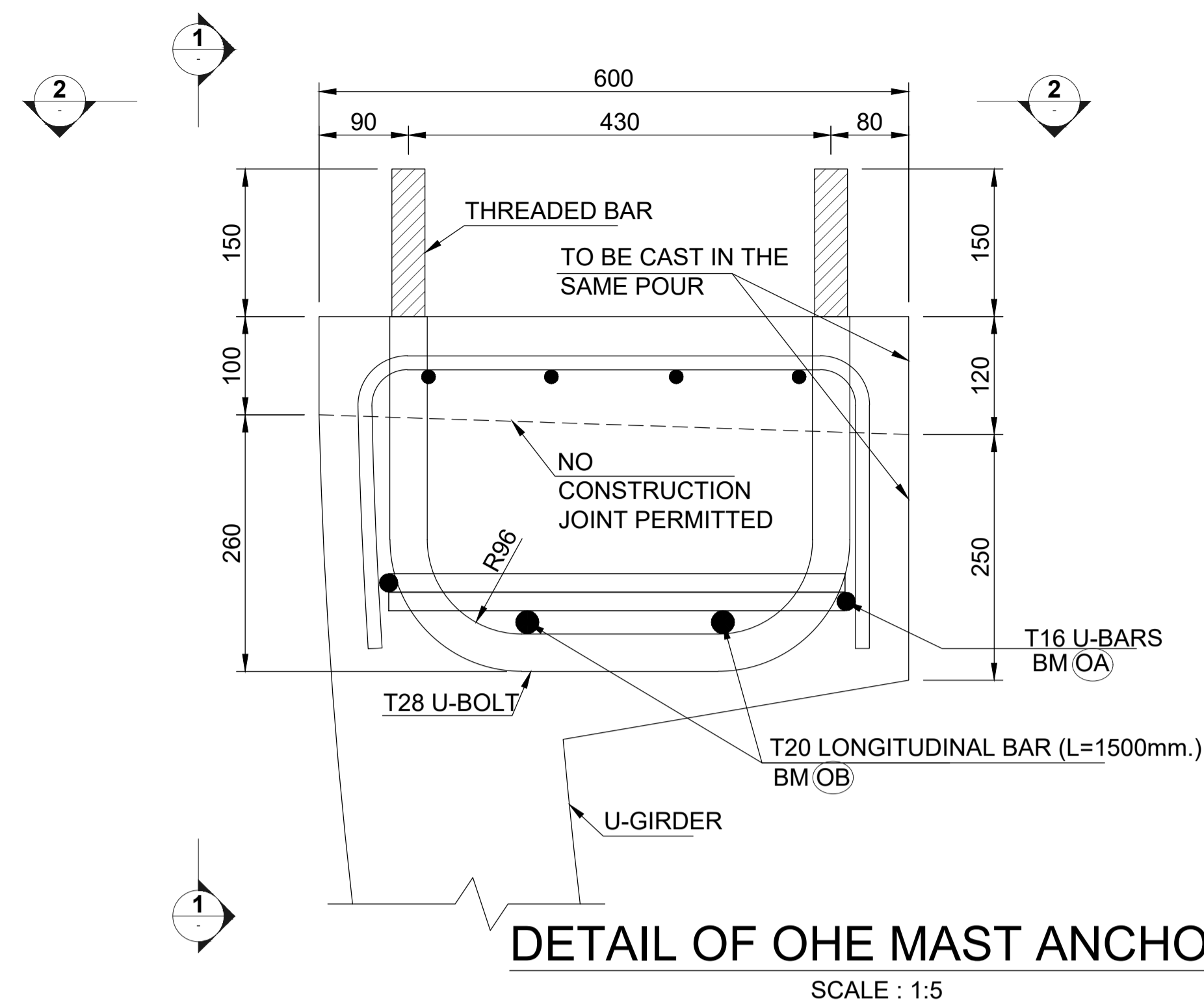
Certified that this document has been designed and checked in accordance with DDC Quality Assurance Plan.

Architecture Design In-charge/ Coordinator
Structure Design In-charge/ Coordinator
E&M Design In-charge/ Coordinator

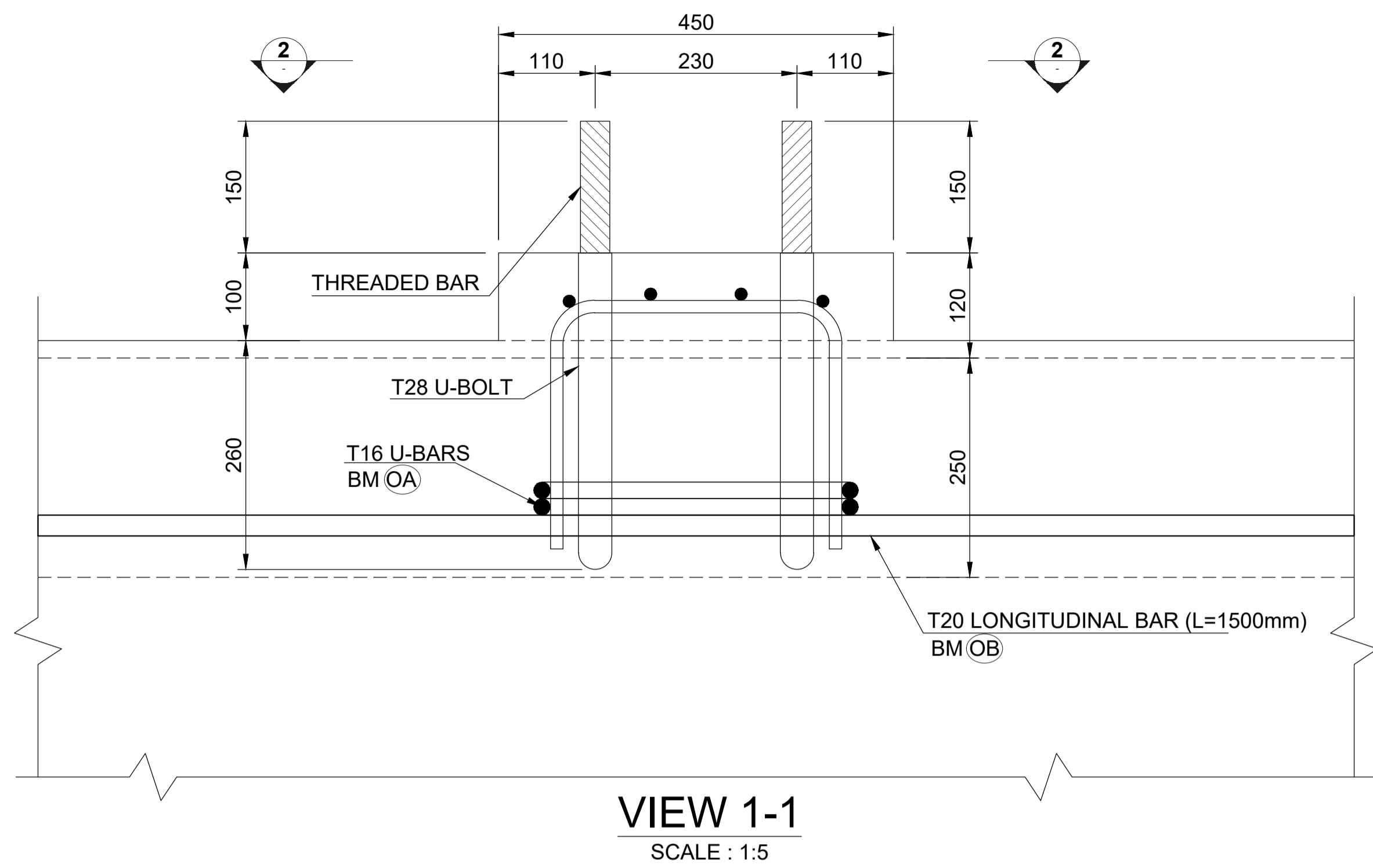
Authorised Signatory for DDC, NGNEDDC Project Manager

DETAIL DESIGN CONSULTANT :

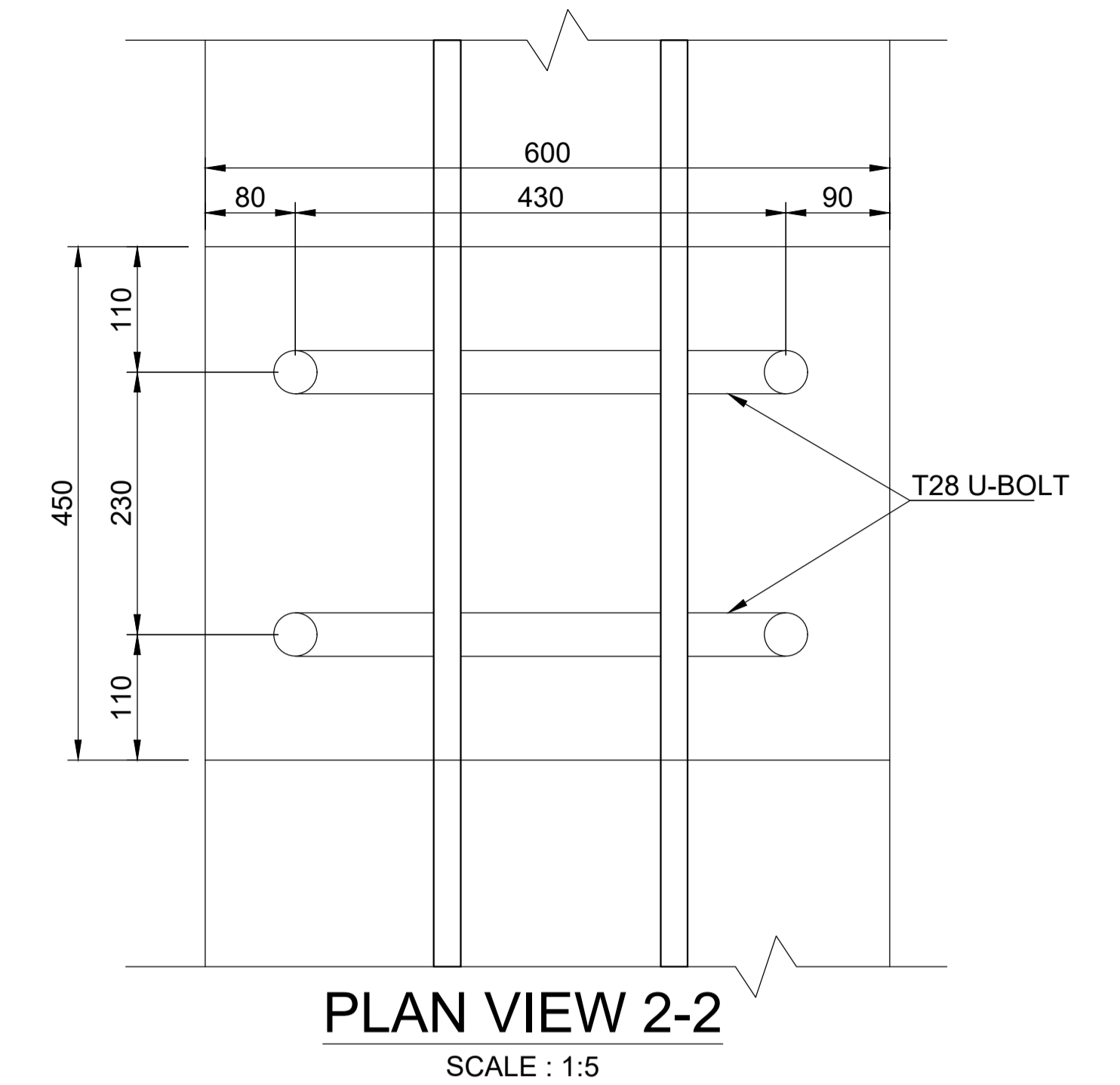
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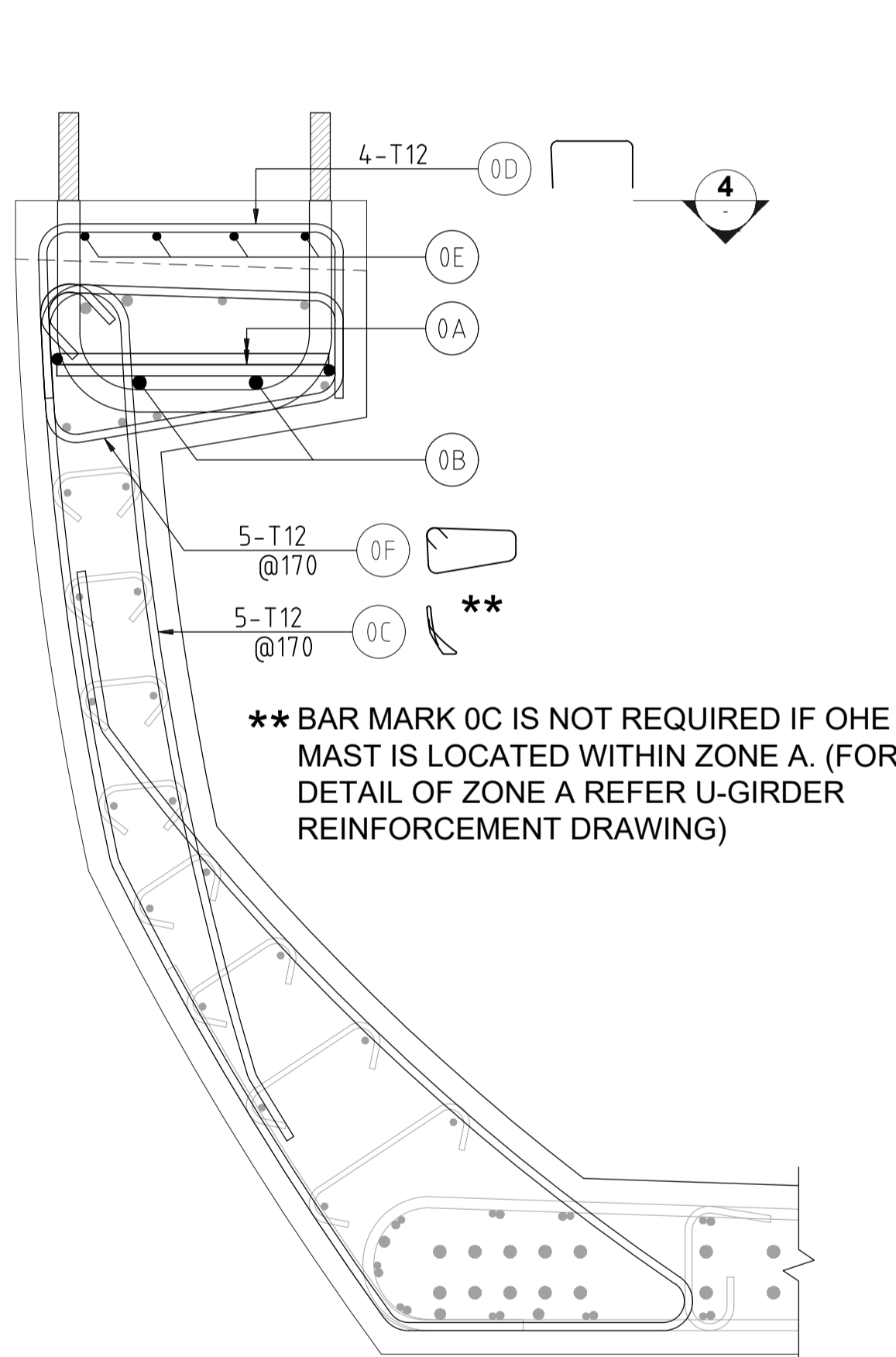
DETAIL OF OHE MAST ANCHOR
SCALE : 1:5



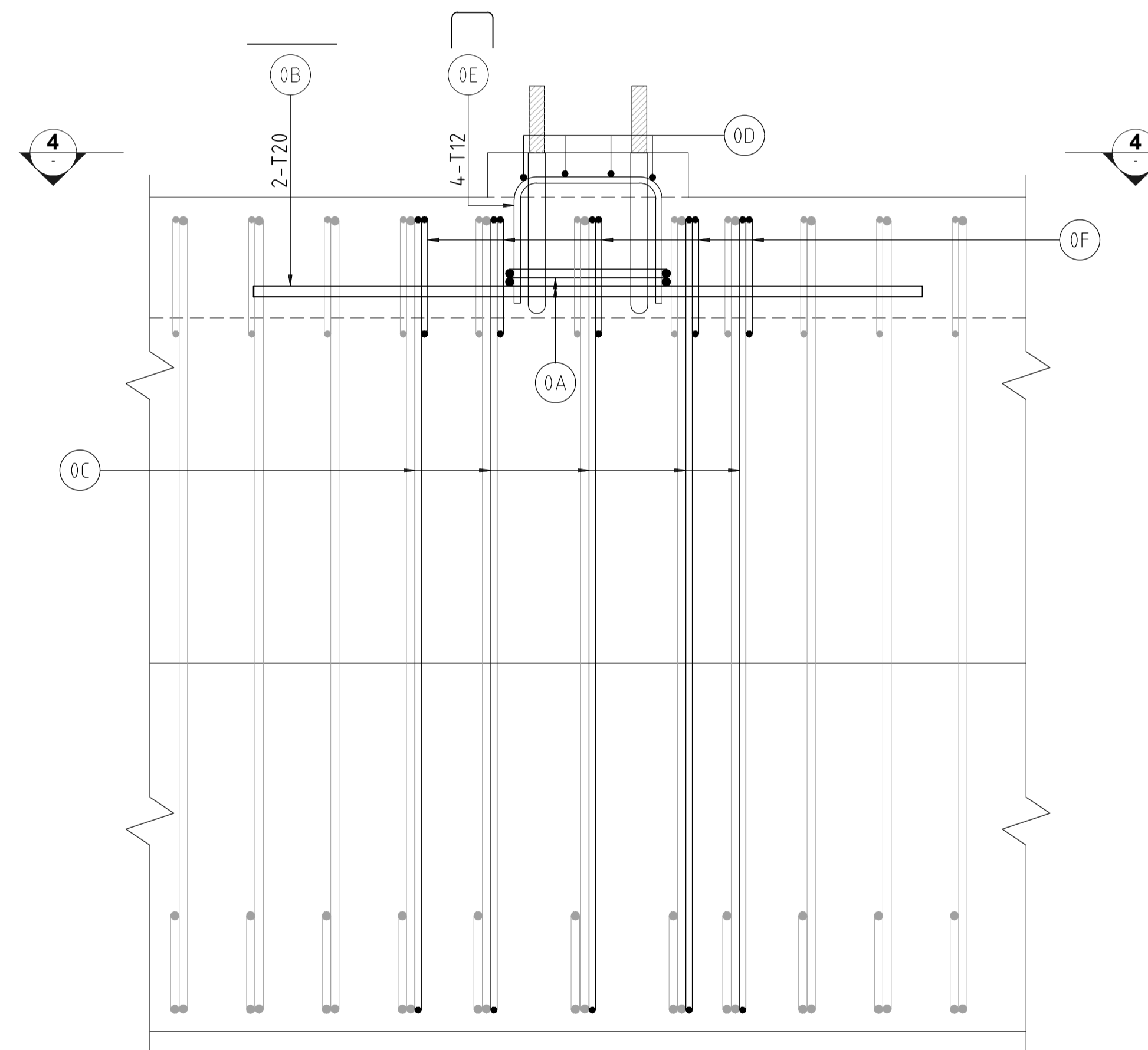
VIEW 1-1
SCALE : 1:5



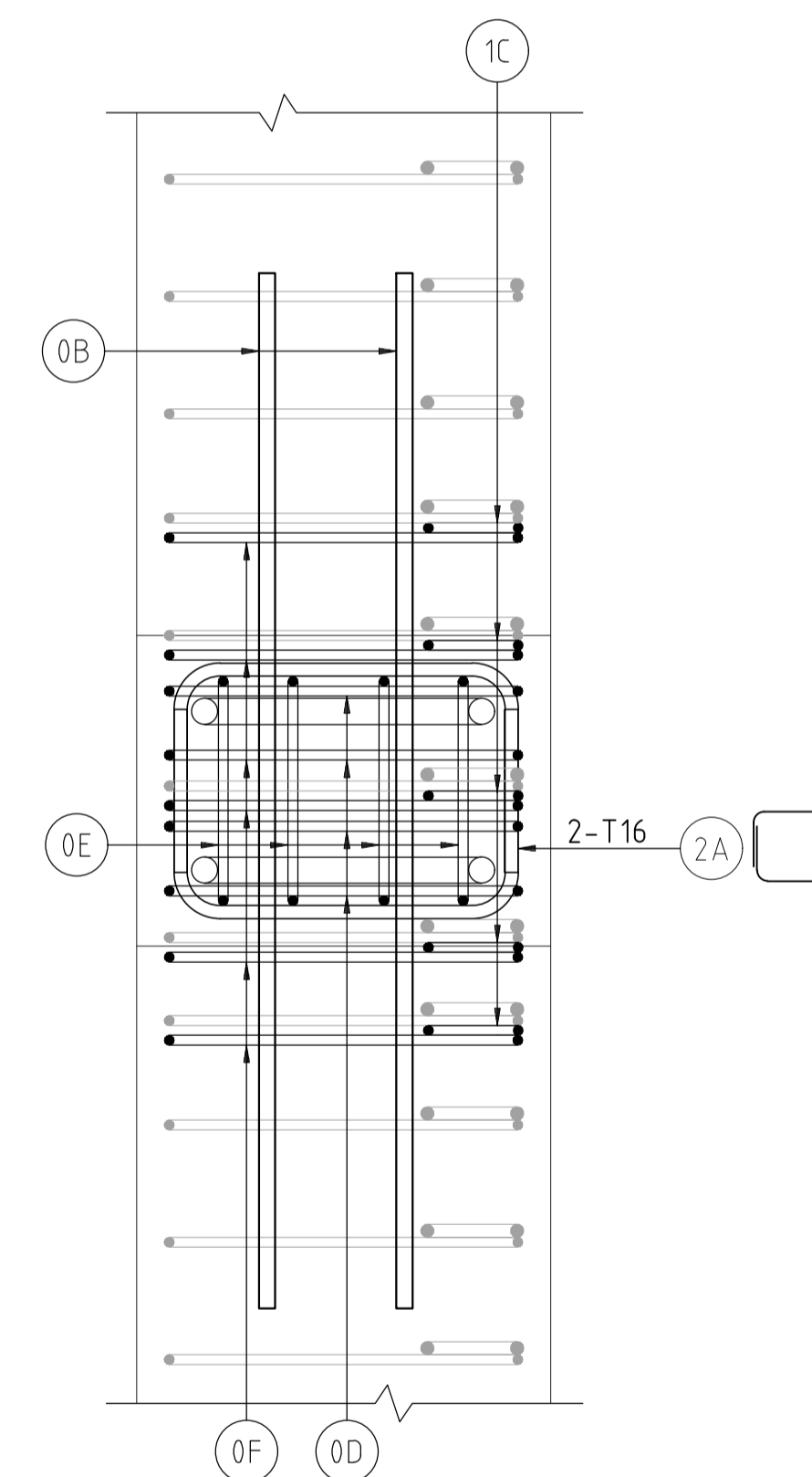
PLAN VIEW 2-2
SCALE : 1:5



**DETAIL OF ADDITIONAL REINFORCEMENT
REQUIRED AT OHE MAST ANCHOR**
SCALE : 1:10



VIEW 3-3
SCALE : 1:10



PLAN VIEW 4-4
SCALE : 1:10

NOTES :

- OHE ANCHOR BOLT ARRANGEMENT IS APPLICABLE TO ALL STANDARD STANDARD U-GIRDER SPANS.
- OHE MAST ANCHORS SHALL BE MADE OF GRADE 8.8 / YIELD STRESS 640 HIGH TENSILE STEEL (CONFORMING TO IS :1367-PART 3) OF DIAMETER 28MM. ALONG THE TOP PROTRUDING PART OF THE ANCHOR, BARS SHALL BE THREADED. THE FULL BARS SHALL THEN BE HOT DIPPED GALVANIZED PRIOR TO INSTALLATION.
- BOLT SHALL NOT BE MADE FROM REINFORCEMENT BAR.
- TESTING SHALL BE DONE AS PER IS: 1367 - PART 3 TO CONFIRM GRADE 8.8 / YIELD STRESS 640 HIGH TENSILE STEEL.
- OHE MAST ANCHORS SHALL BE ACCURATELY POSITIONED AT CASTING YARD , BY USING SPECIAL DEVICE SUCH AS JIG FIXED TO LATERAL SHUTTER OF U - GIRDER FOR INSTANCE.
- FOR LOCATION OF OHE MAST IN LONGITUDINAL DIRECTION, REFER TO OHE MAST PEGGING PLANS.
- PEDESTAL FOR OHE MAST ANCHOR SHALL BE CAST MONOLITHICALLY IN THE SAME POUR AS U-GIRDER CONCRETE AT CASTING YARD.
- ANY FIXTURES FOUND RUSTED SHALL BE REPLACED BY THE CONTRACTOR & SHALL BE TREATED AS REJECTED.

NO OHE MAST SHALL BE FIXED WITHIN 2.00m ON EITHER SIDE OF PIER AXIS.

TENDER DRAWING

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Block-III, 3rd Floor, Ganga Shopping Complex, Sector-29, Noida -201301,
District Gautam Budh Nagar, Uttar Pradesh, India

PROJECT: NGNECC-01: Part Design & Construction of Elevated Viaduct and 10 nos. of Elevated Stations for Extension Projects of NMRC's Aqua Line from Botanical Garden to Noida Sec-142 (from Chainage (-) 383.959 to 12130.143) and from Depot Station to Boraki MMTH (Chainage 28678.253 to 31263.482).

VIADUCT
DRAWING TITLE: **DETAIL OF THE OHE MAST ANCHOR AND REINFORCEMENT OF WEB OF U-GIRDER**

NORTH Z	DRAWN BY: P. BISHT	CHECKED BY: D.S	VERIFIED BY: P. Kundu	APPROVED BY: P. Banerjee	NGNEDDC
	DATE: 27-03-2026	REV: R0	SCALE: NTS	STATUS: TENDER	
ORDER N° P36-0022	DRAWING NUMBER: NGNE-VID-TED-STR-10112	SHEET NO. 01 OF 01	SHEET SIZE A1		

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3. ANY DISCREPANCY MUST BE BROUGHT TO THE NOTICE OF THE DMRC BEFORE EXECUTION OF WORK AT SITE.
4. THIS DRAWING MUST BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL, STRUCTURAL, PLUMBING & FIRE FIGHTING, ELECTRICAL AND TRAFFIC MANAGEMENT DRAWINGS.
5. ALL DOOR/WINDOW GILL & LINTEL LEVELS ARE MEASURED FROM MAIN FLOOR FINISHED LEVELS.

REFERENCE DRAWINGS

REVISION	DESCRIPTION	DRAWING NO.

REVISIONS					APPROVAL OF NMRC OFFICIALS			
REV.	DESCRIPTION	DATE	DRAWN BY	CHECKED BY				
R0	INITIAL DRAWING	27-03-2026	PB	D.S				

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Architecture Design In-charge/ Coordinator: _____
Structure Design In-charge/ Coordinator: _____
E&M Design In-charge/ Coordinator: _____

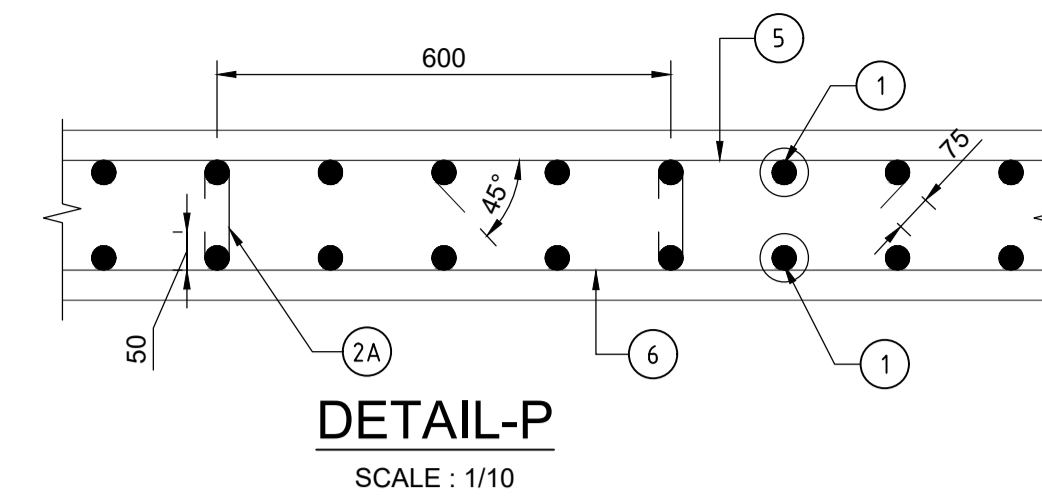
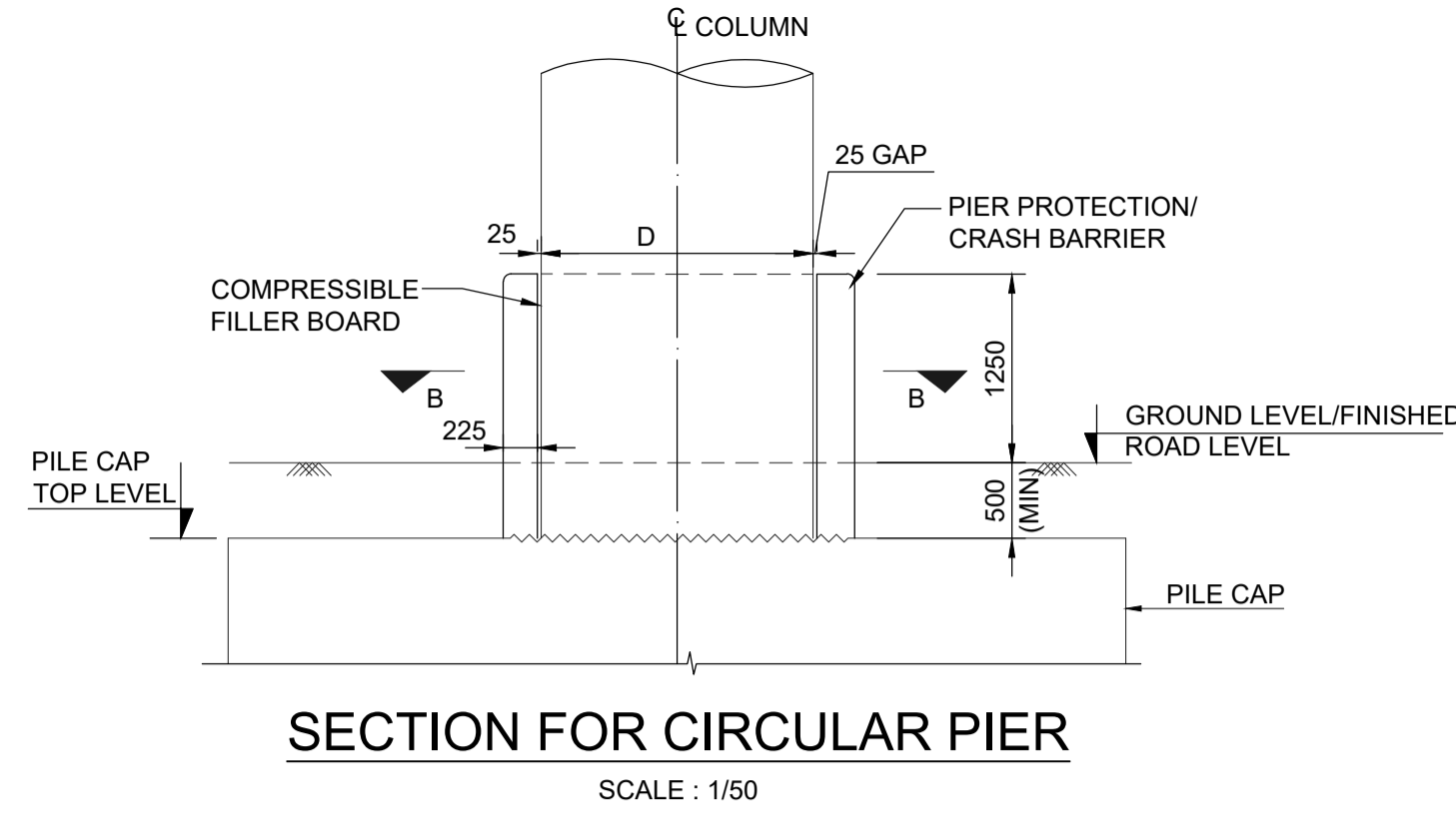
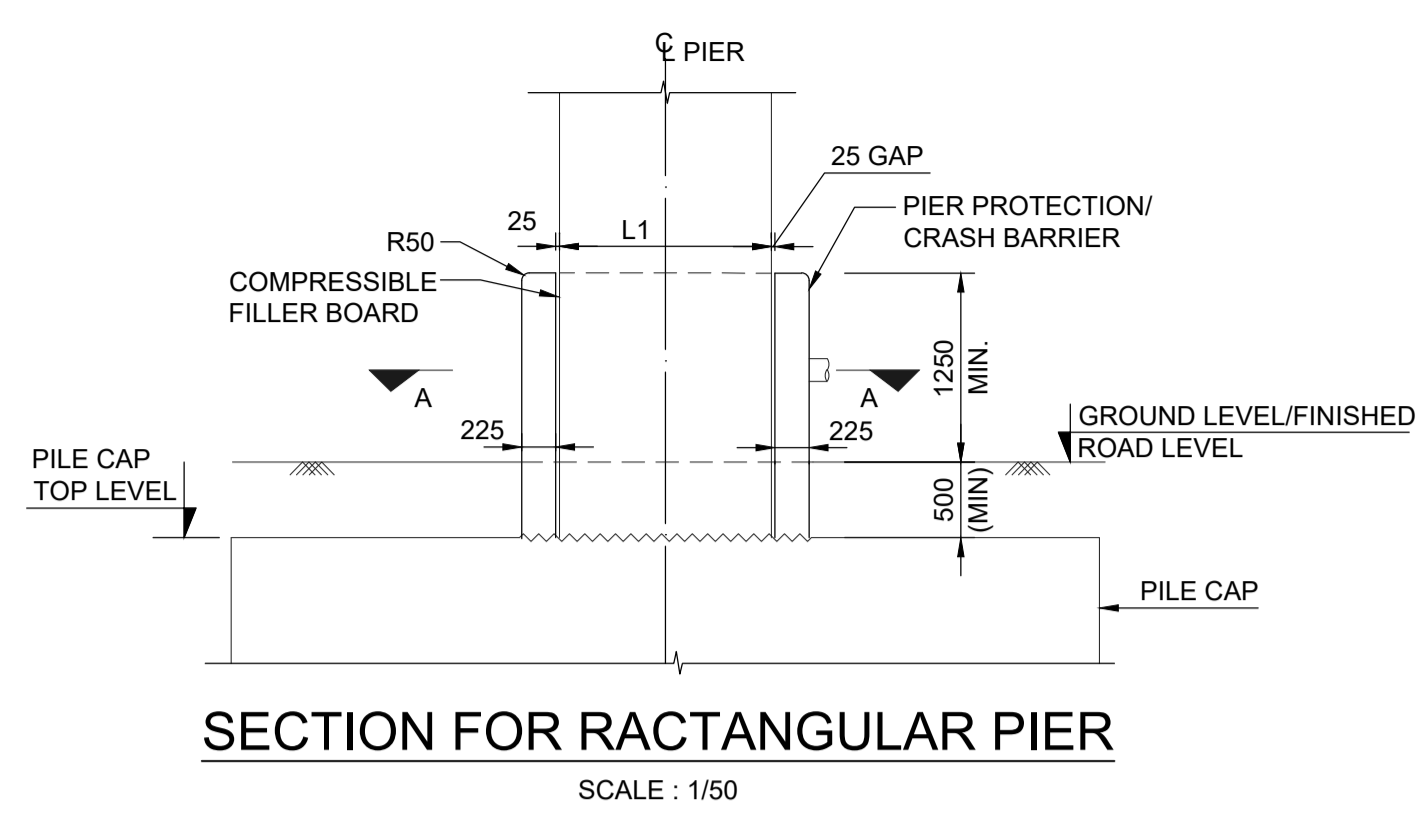
DETAIL DESIGN CONSULTANT : **ayesa**

Ayesa India Private Limited
D 99, 3rd Floor, Sector 2, Noida -201301, Gautam Budh Nagar, Uttar Pradesh
Tel.: +(91) 120 490 8800, Email: dcdd05@ayesa.com

Authorised Signatory for DDC, NGNEDDC Project Manager

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REINFORCEMENT DETAILS.

BAR MKD.	DIA. (mm)	SPACING/Nos. (mm)	SHAPE
1	12	@ 150C/C	
2	10	LINKS HORIZONTAL SPACING :750 MM VERTICAL SPACING :400 MM	
2A	10	LINKS HORIZONTAL SPACING :600 MM VERTICAL SPACING :400 MM	
3	10	@ 200C/C	
4	10	@ 200C/C	
5	10	@ 200C/C	
6	10	@ 200C/C	

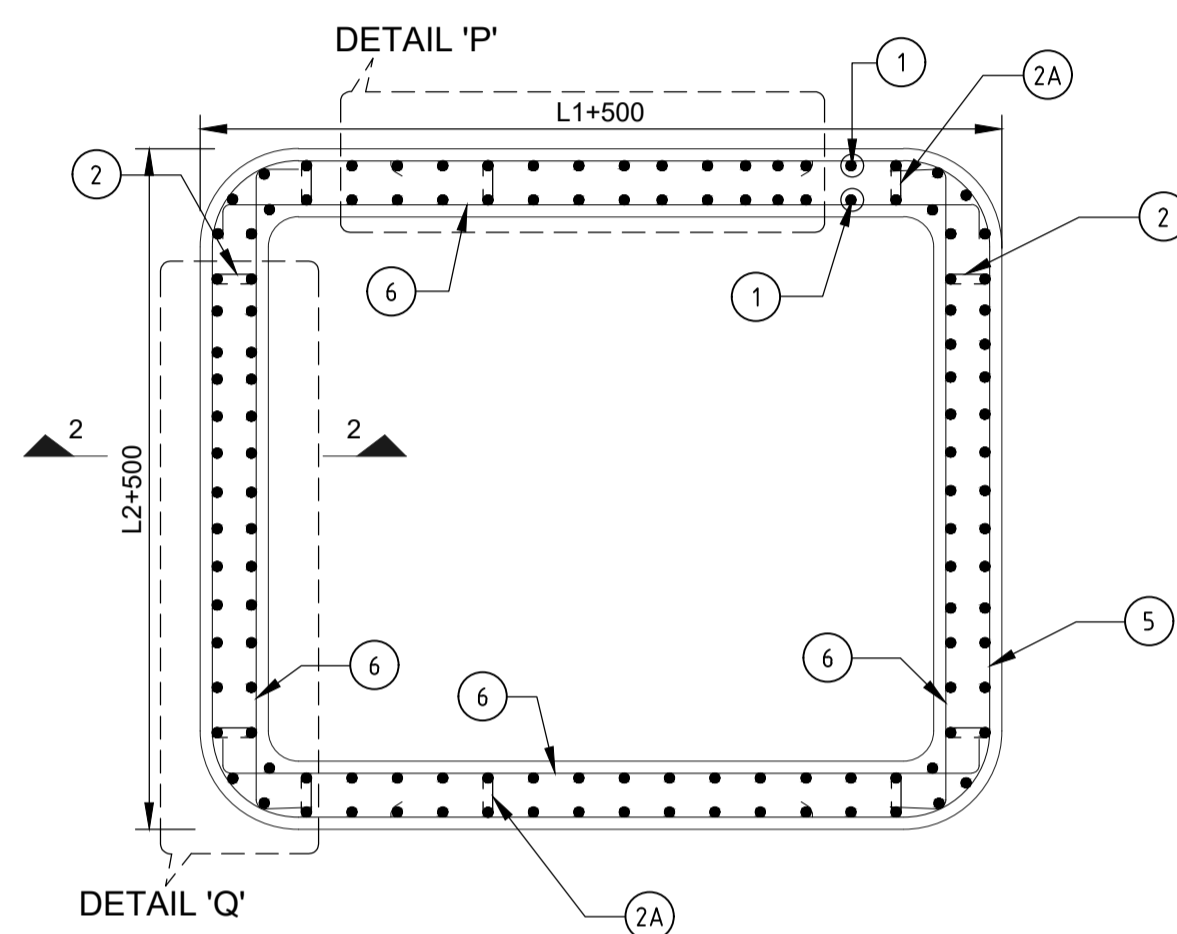
SECTION FOR RECTANGULAR PIER

SECTION FOR CIRCULAR PIER

DETAIL-P

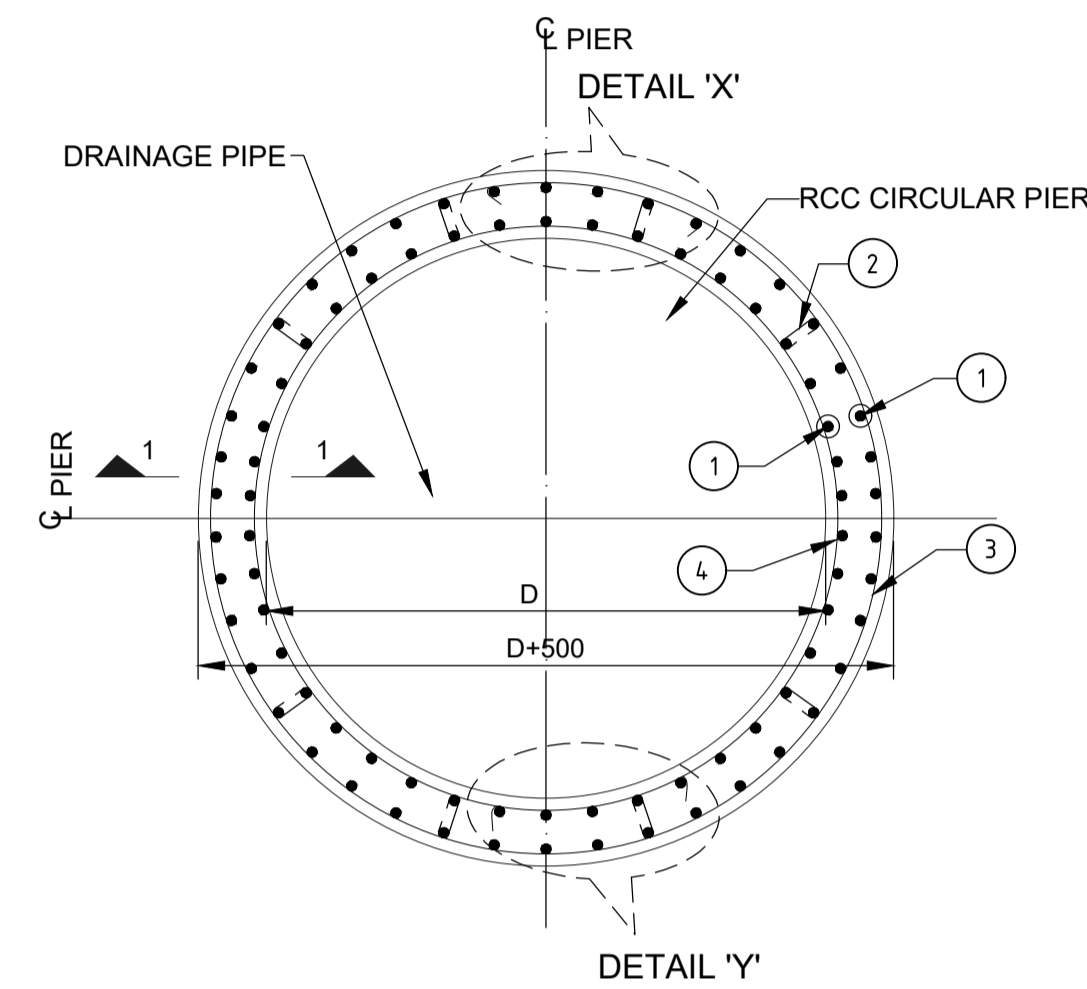
SCALE : 1/10

DIRECTION OF METRO MOVEMENT



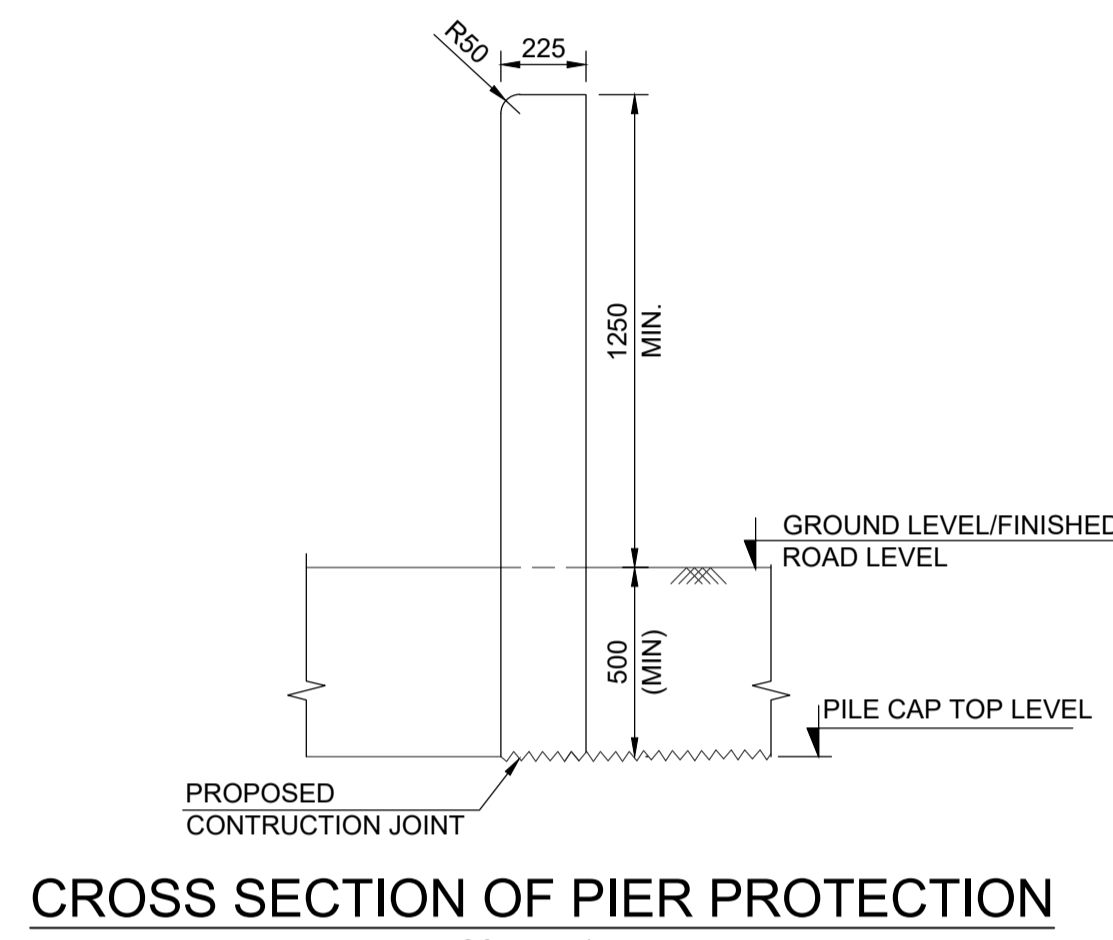
SECTION A-A

SCALE : 1/25



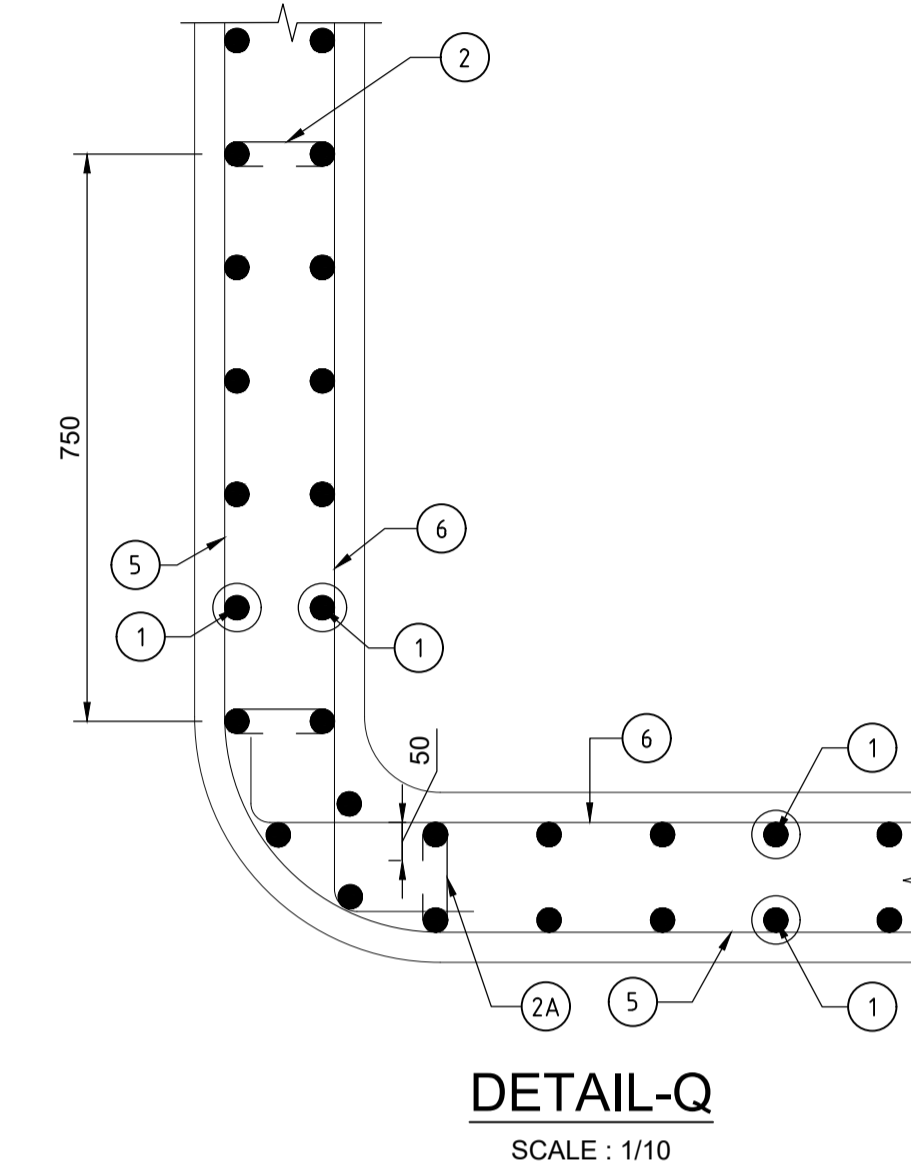
SECTION B-B

SCALE : 1/25



CROSS SECTION OF PIER PROTECTION

SCALE : 1/20



DETAIL-Q

SCALE : 1/10

SPECIFICATIONS FOR ALL STRUCTURAL ELEMENTS SHALL BE REFERRED FROM OCS AND ODS ENCLOSED IN TENDER SPECIFICATION.

THIS DRAWING IS APPLICABLE FOR PIER PROTECTION HEIGHT OF 1750mm. REINFORCEMENT & SECTION SHALL BE SUITABLY INCREASED IF THE HEIGHT IS HIGHER.

LINK BAR '2' / '2A' SHALL ENGAGE THE VERTICAL BAR '1' AS WELL AS THE HOOPS '3' & '4', '5' & '6' AS SHOWN IN DETAILS 'X' & 'Y' 'P' & 'Q'.

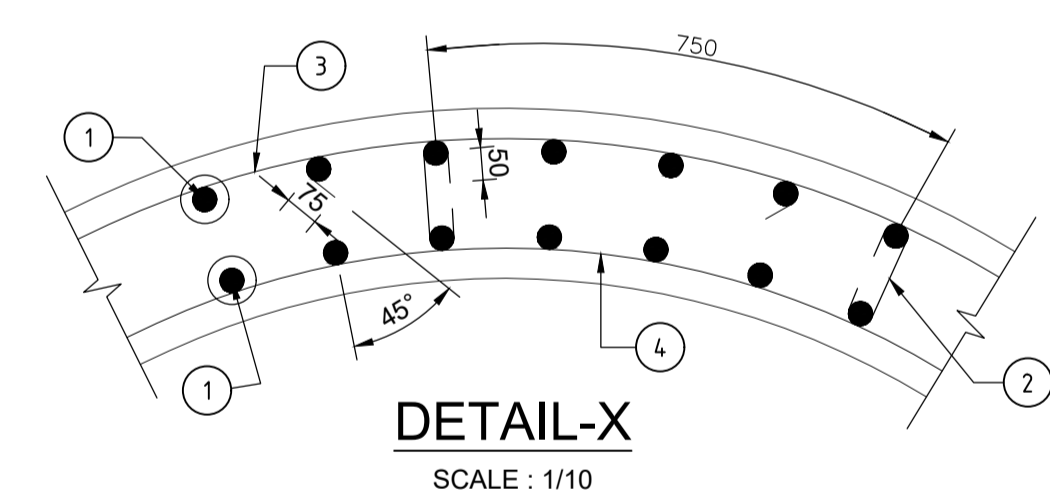
NOTES :

- 1) ALL DIMENSIONS SHALL BE READ AND NOT MEASURED.
- 2) GRADE OF CONCRETE SHALL BE M40.
- 3) CLEAR COVER TO ANY REINFORCEMENT SHALL BE 40 MM.
- 4) FOR COLUMNS AROUND WHICH PIER PROTECTION HAS TO BE PROVIDED COLUMN LAYOUT DRAWINGS SHALL BE REFERRED.
- 5) THE REINFORCING STEEL SHALL BE DEFORMED TMT BARS (GRADE DESIGNATION Fe550D) CONFIRMING TO IS-1786.
- 6) D, L1 & L2 SHALL BE AS PER COLUMN DETAILS.

DRAINAGE PIPE AND COMPRESSIBLE FILLER BOARD AS PER OCS SPECIFICATIONS.

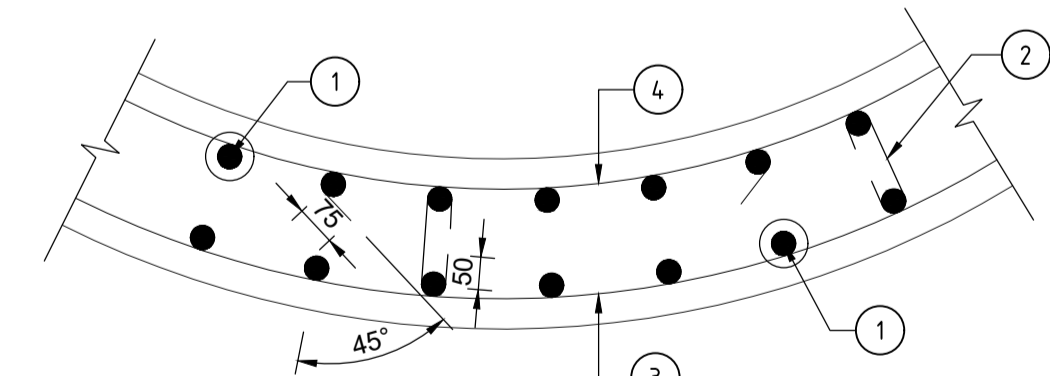
SUGGESTED CONSTRUCTION SCHEME OF PIER PROTECTION

STAGE-1 BAR NO. 1 TO BE LEFT WHILE CASTING THE PILE CAP.
STAGE-2 POSITION BAR NO. 2, 3, 4, 5 & 6 AND CAST THE PIER PROTECTION.



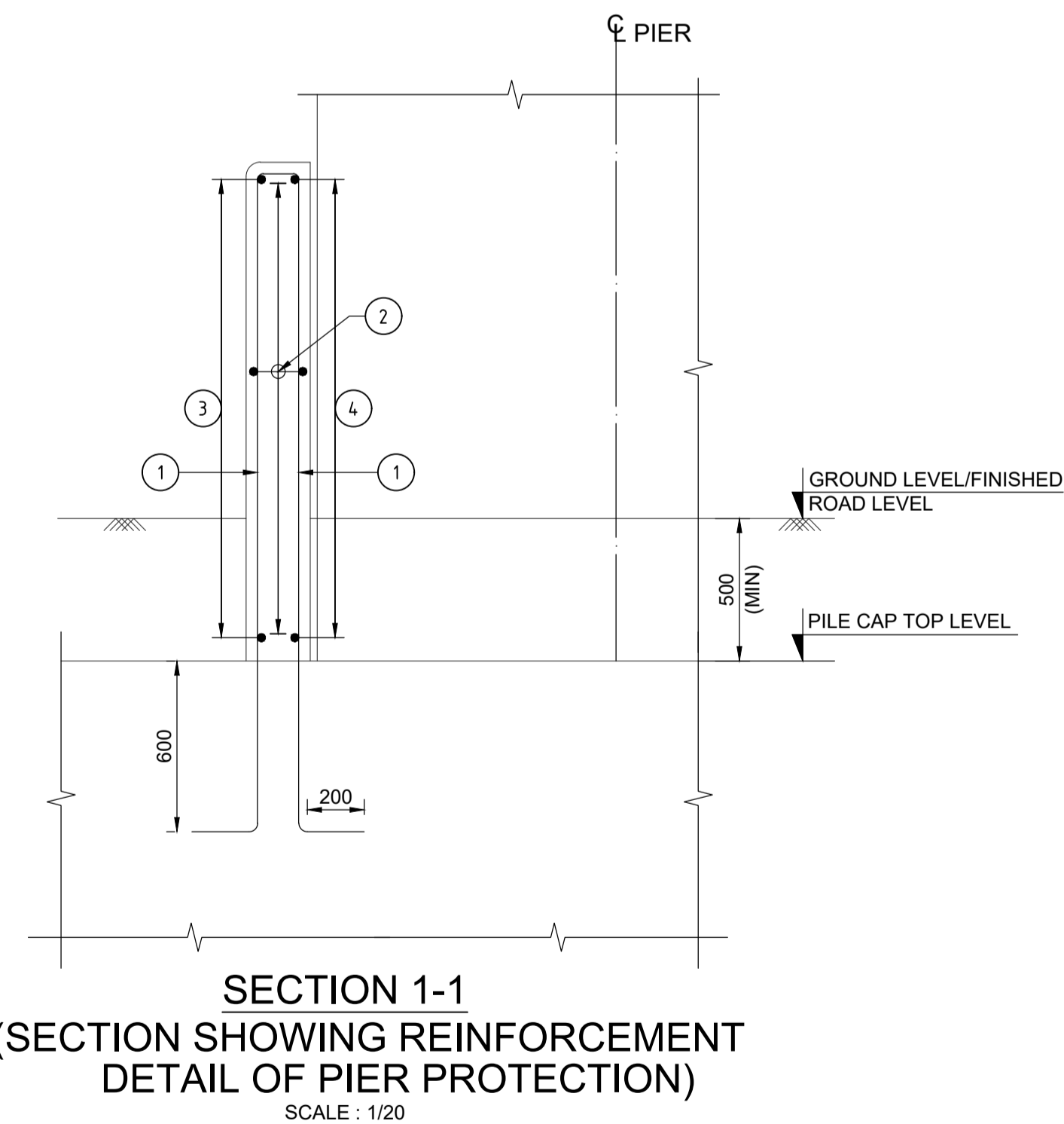
DETAIL-X

SCALE : 1/10



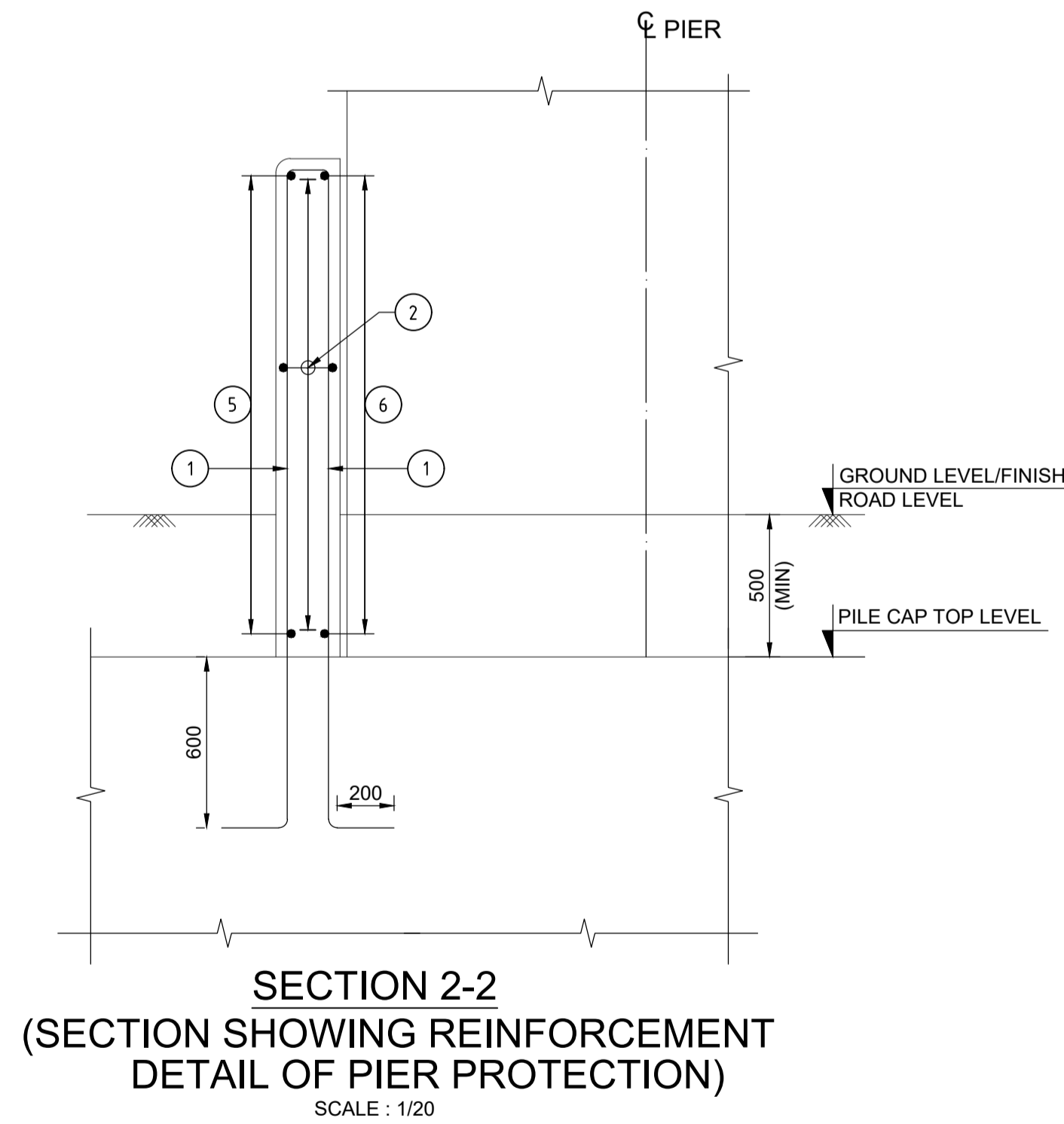
DETAIL-Y

SCALE : 1/10



**SECTION 1-1
(SECTION SHOWING REINFORCEMENT
DETAIL OF PIER PROTECTION)**

SCALE : 1/20



**SECTION 2-2
(SECTION SHOWING REINFORCEMENT
DETAIL OF PIER PROTECTION)**

SCALE : 1/20

TENDER DRAWING

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Block-III, 3rd Floor, Ganga Shopping Complex, Sector-29, Noida -201301,
District Gautam Budh Nagar, Uttar Pradesh, India

PROJECT: NGNECC-01: Part Design & Construction of Elevated Viaduct and 10 nos. of Elevated Stations for Extension Projects of NMRC's Aqua Line from Botanical Garden to Noida Sec-142 (from Chainage (-) 383.959 to 12130.143) and from Depot Station to Boraki MMTH (Chainage 28678.253 to 31263.482).

VIADUCT
DRAWING TITLE: DIMENSION & REINFORCEMENT DETAILS OF PIER PROTECTION CRASH BARRIER AROUND CIRCULAR AND RECTANGULAR PIER

NORTH	DRAWN BY: P. BISHT	CHECKED BY: D.S	VERIFIED BY: P. Kundu	APPROVED BY: P. Banerjee	NGNEDDC
DATE: 27-03-2026	REV: R0	SCALE: NTS	TENDER	SHEET SIZE: A1	
ORDER N° P36-0022	DRAWING NUMBER: NGNE-VID-TED-STR-10113	SHEET NO. 01 OF 01	SHEET SIZE: A1		

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4. THIS DRAWING MUST BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL, STRUCTURAL, PLUMBING & FIRE FIGHTING, ELECTRICAL AND TRAFFIC MANAGEMENT DRAWINGS.
5. ALL DOOR/WINDOW CILL & LINTEL LEVELS ARE MEASURED FROM MAIN FLOOR FINISHED LEVELS.

REFERENCE DRAWINGS

REVISION	DESCRIPTION	DRAWING NO.

REVISIONS					APPROVAL OF NMRC OFFICIALS				
REV.	DESCRIPTION	DATE	DRAWN BY	CHECKED BY					
R0	INITIAL DRAWING	27-03-2026	PB	D.S					

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Authorised Signatory for DDC. NGNEDDC Project Manager

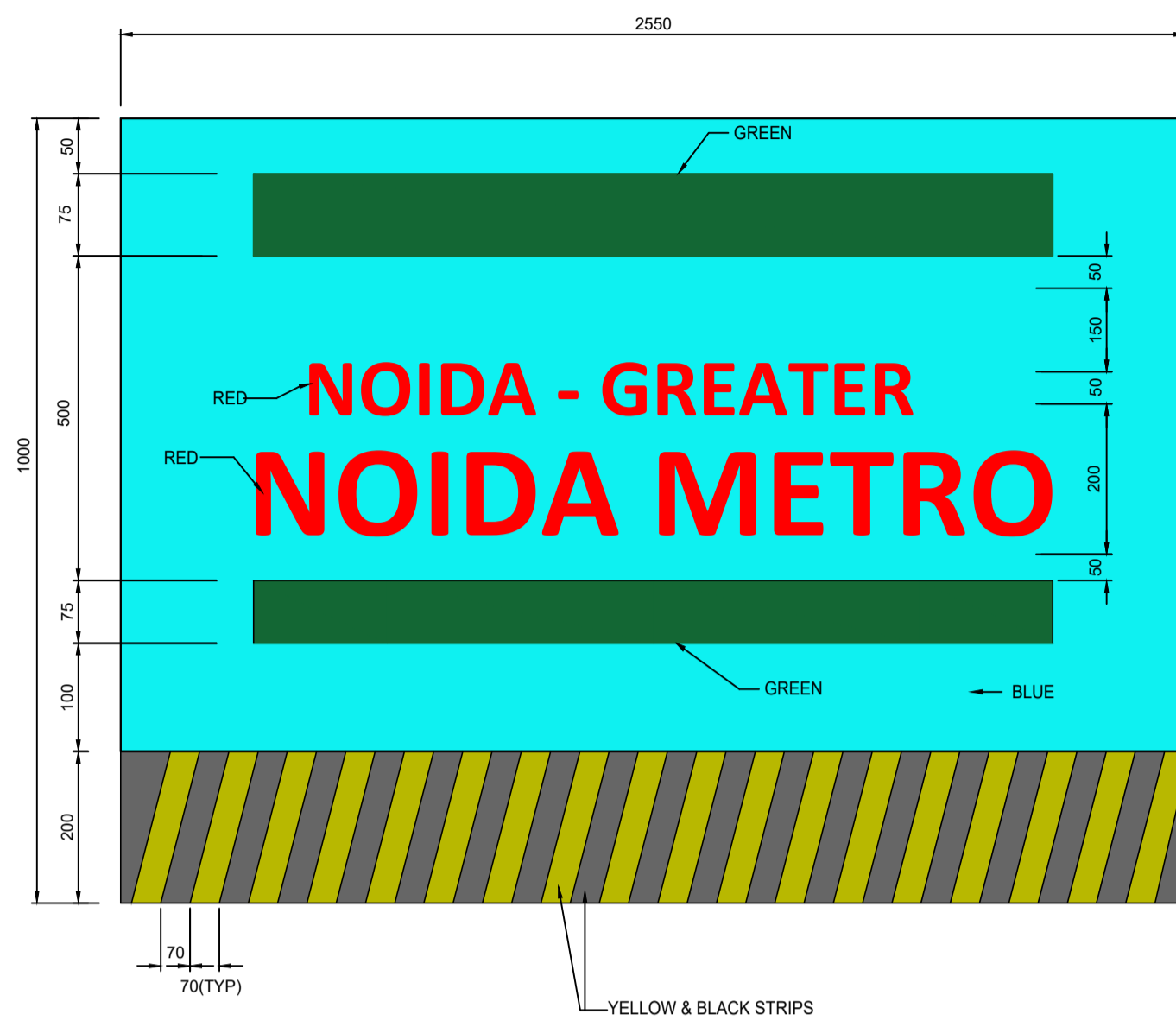
Architecture Design In-charge/ Coordinator | Structure Design In-charge/ Coordinator | E&M Design In-charge/ Coordinator

DETAIL DESIGN CONSULTANT :

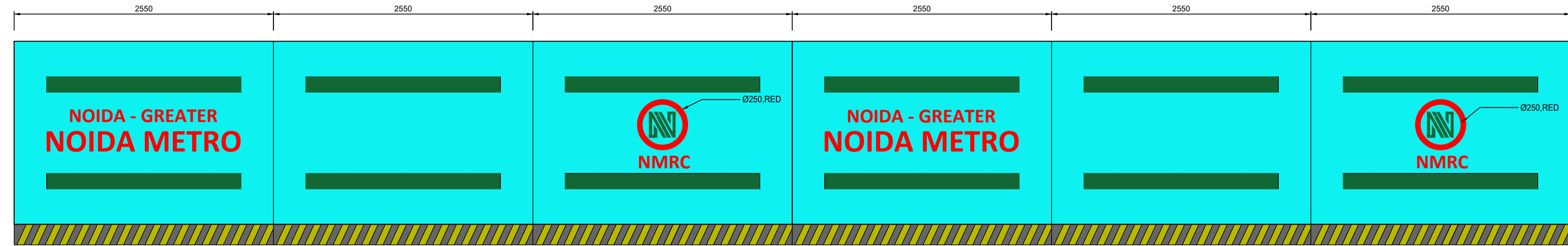
ayesa
Ayesa India Private Limited
D 99, 3rd Floor, Sector 2, Noida -201301, Gautam
Budh Nagar, Uttar Pradesh
Tel.: +(91) 120 490 8800, Email: dcdd05@ayesa.com

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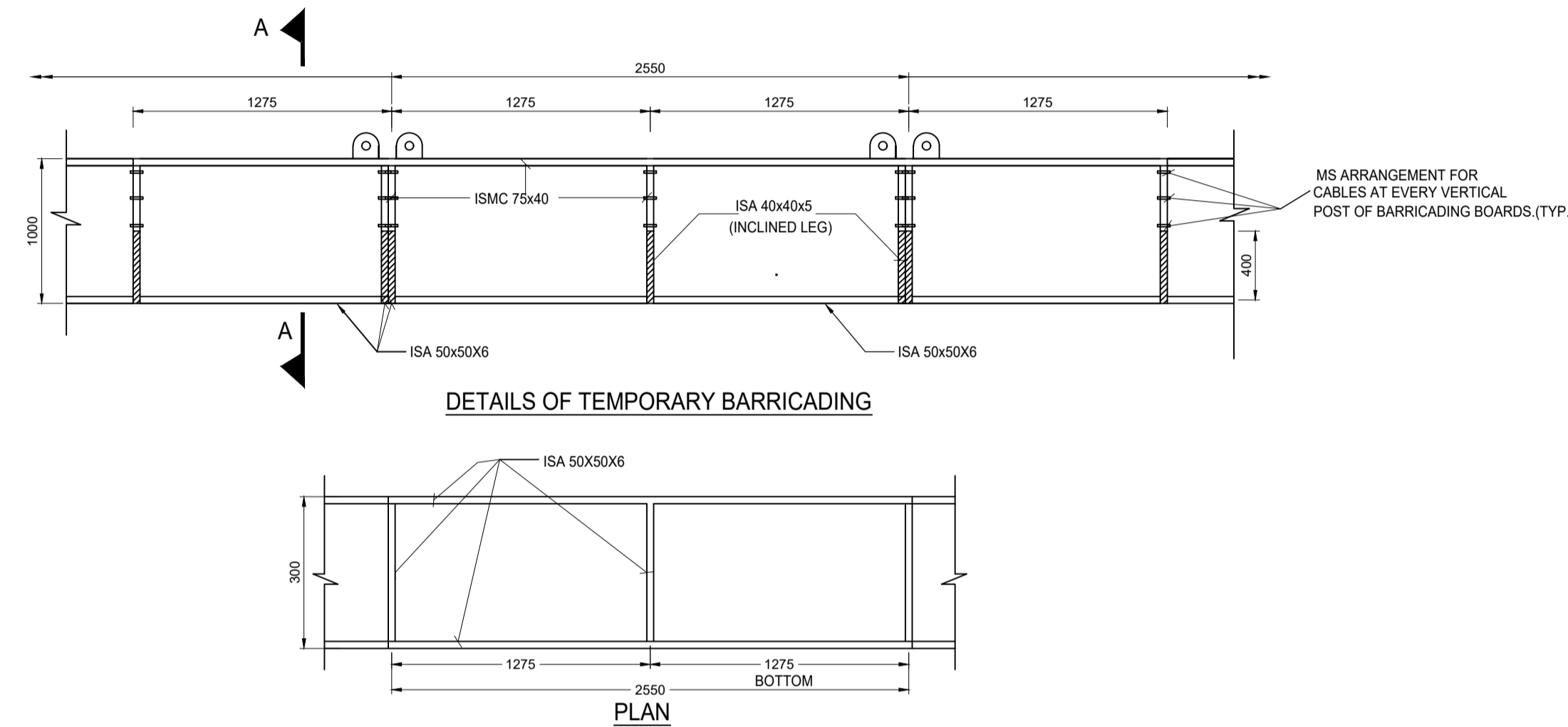
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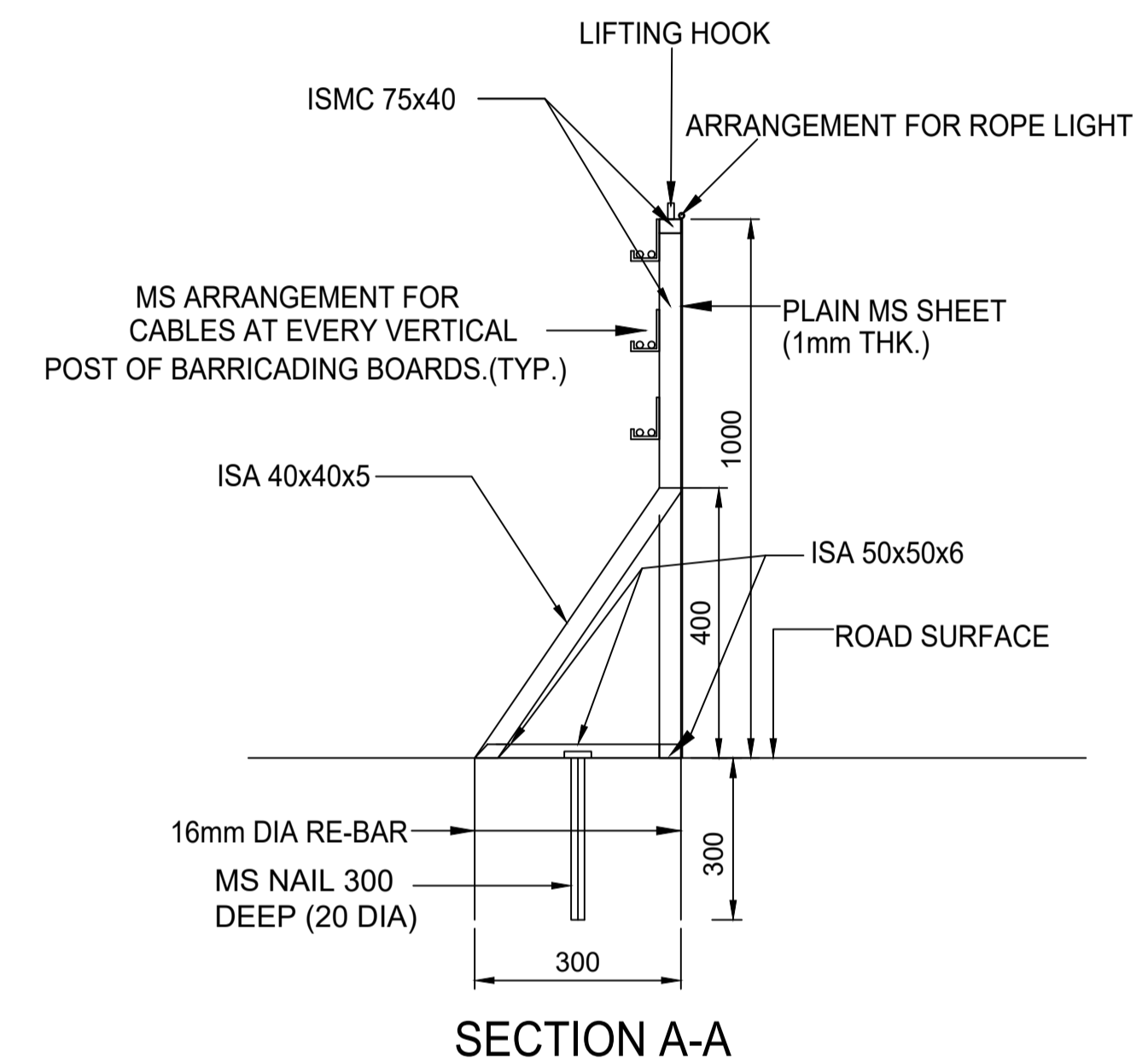
ELEVATION OF ONE SET OF TEMPORARY BARRICADING



ELEVATION OF ONE UNIT OF TEMPORARY BARRICADING



DETAILS OF TEMPORARY BARRICADING



SECTION A-A

RAL COLOUR CODE		
1)	YELLOW	1026
2)	RED	3020
3)	BLUE	6027
4)	GREEN	6024
5)	BLACK	9005

NOTES:-

1. ALL DIMENSIONS ARE IN MILLIMETERS.
2. ALL DIMENSIONS ARE TO BE READ AND NOT MEASURED.
3. ANY DISCREPANCIES MUST BE BROUGHT TO THE NOTICE OF THE CONSULTANT BEFORE EXECUTION OF WORK AT SITE.
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5. ALL BARRICADING BOARDS TO BE PAINTED WITH APPROVED MAKE.
6. STRUCTURAL STEEL SHALL CONFORM TO OCS OF EMPLOYER

SPECIFICATIONS FOR ALL STRUCTURAL ELEMENTS SHALL BE REFERRED FROM OCS AND ODS ENCLOSED IN TENDER SPECIFICATION.

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PROJECT: NGNECC-01: Part Design & Construction of Elevated Viaduct and 10 nos. of Elevated Stations for Extension Projects of NMRC's Aqua Line from Botanical Garden to Noida Sec-142 (from Chainage (-) 383.959 to 12130.143) and from Depot Station to Boraki MMTH (Chainage 28678.253 to 31263.482).

VIADUCT
DRAWING TITLE: DETAILS OF TEMPORARY BARRICADING(1m.HEIGHT)

NORTH Z	DRAWN BY: P. BISHT	CHECKED BY: D.S	VERIFIED BY: P. Kundu	APPROVED BY: P. Banerjee	NGNEDDC
	DATE: 27-03-2026	REV: R0	SCALE: NTS	STATUS: TENDER	
ORDER N° P36-0022	DRAWING NUMBER: NGNE-VID-TED-STR-10114	SHEET NO. 01 OF 01	SHEET SIZE A1		

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REFERENCE DRAWINGS		
REVISION	DESCRIPTION	DRAWING NO.

REVISIONS					APPROVAL OF NMRC OFFICIALS				
REV.	DESCRIPTION	DATE	DRAWN BY	CHECKED BY					
R0	INITIAL DRAWING	27-03-2026	PB	D.S					

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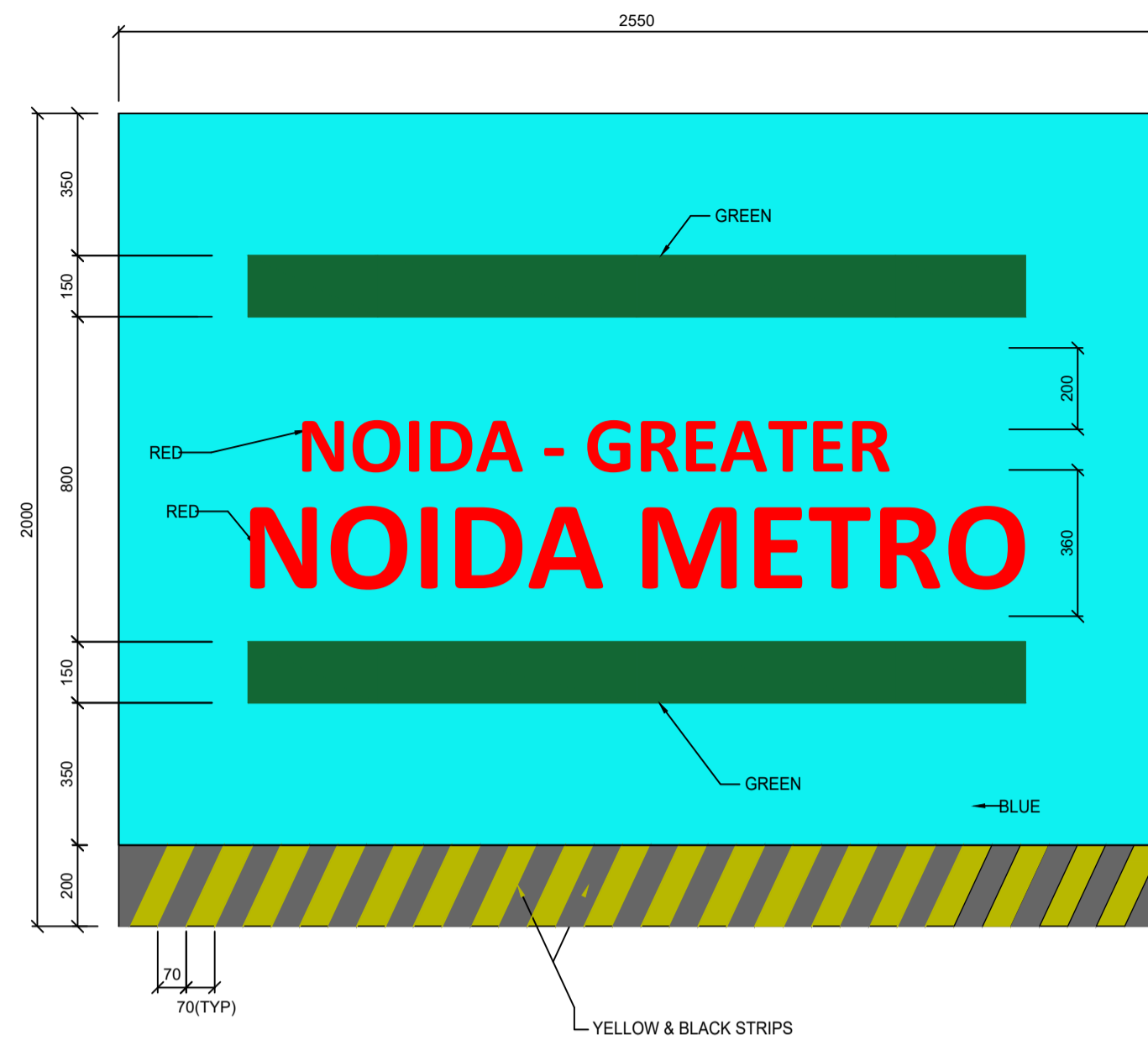
Authorised Signatory for DDC.
NGNEDDC Project Manager

Architecture Design In-charge/ Coordinator	Structure Design In-charge/ Coordinator	E&M Design In-charge/ Coordinator
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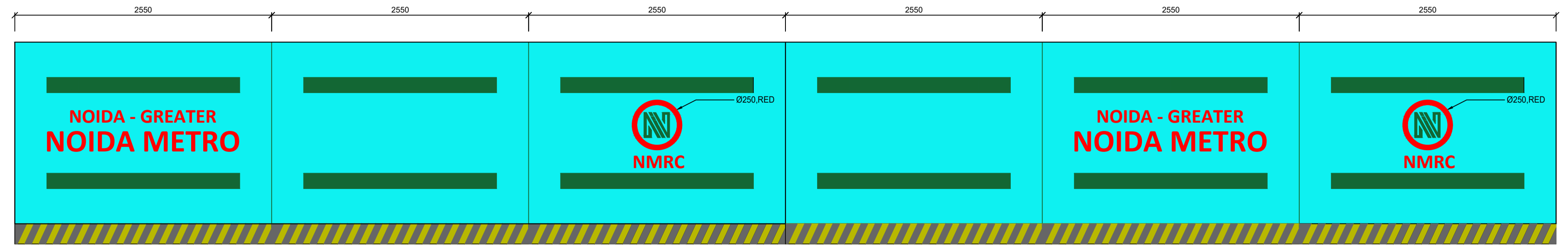
DETAIL DESIGN CONSULTANT :

ayesa
Ayesa India Private Limited
D 99, 3rd Floor, Sector 2, Noida -201301, Gautam Budh Nagar, Uttar Pradesh
Tel.: +(91) 120 490 8800, Email: dcdd05@ayesa.com

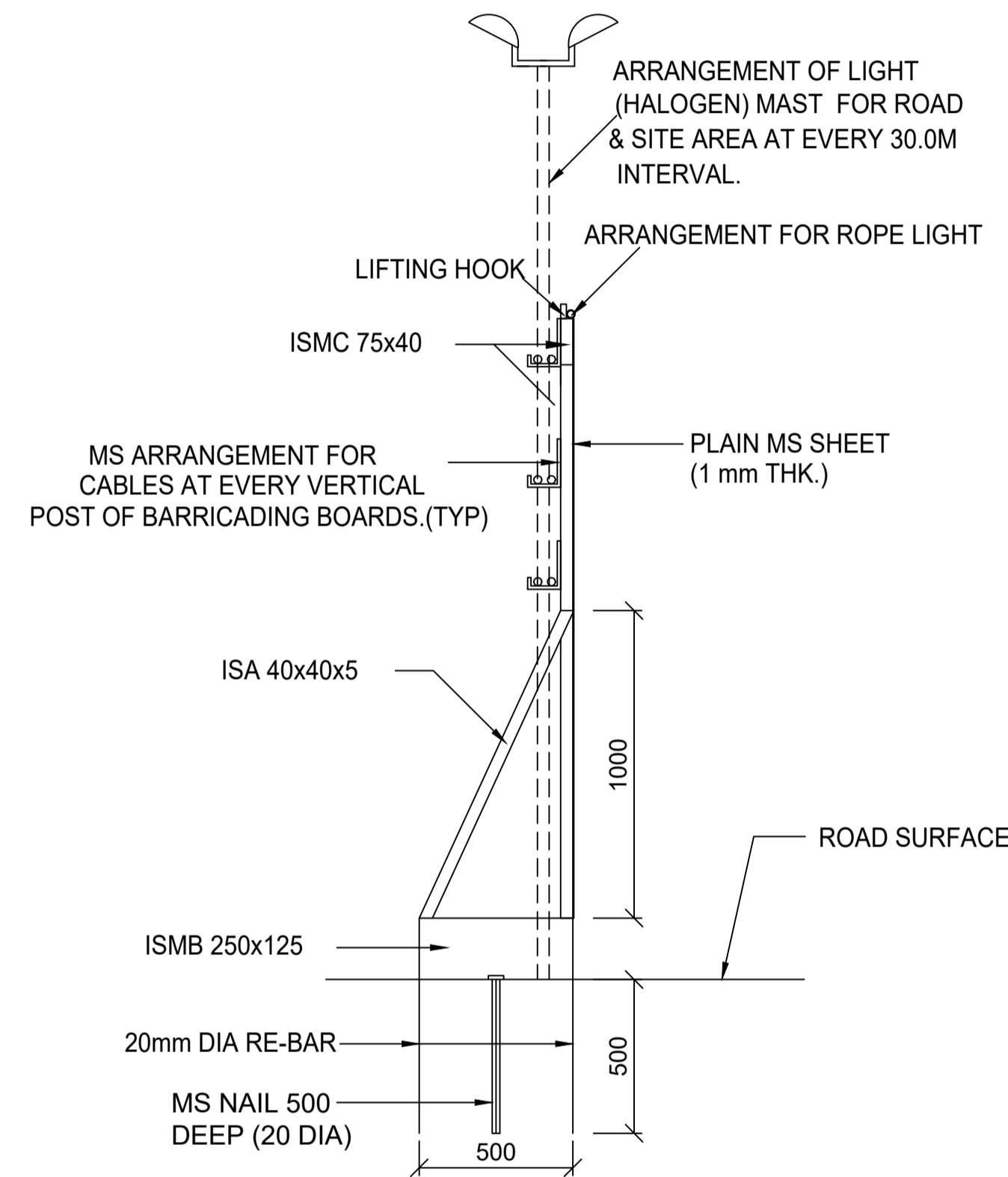
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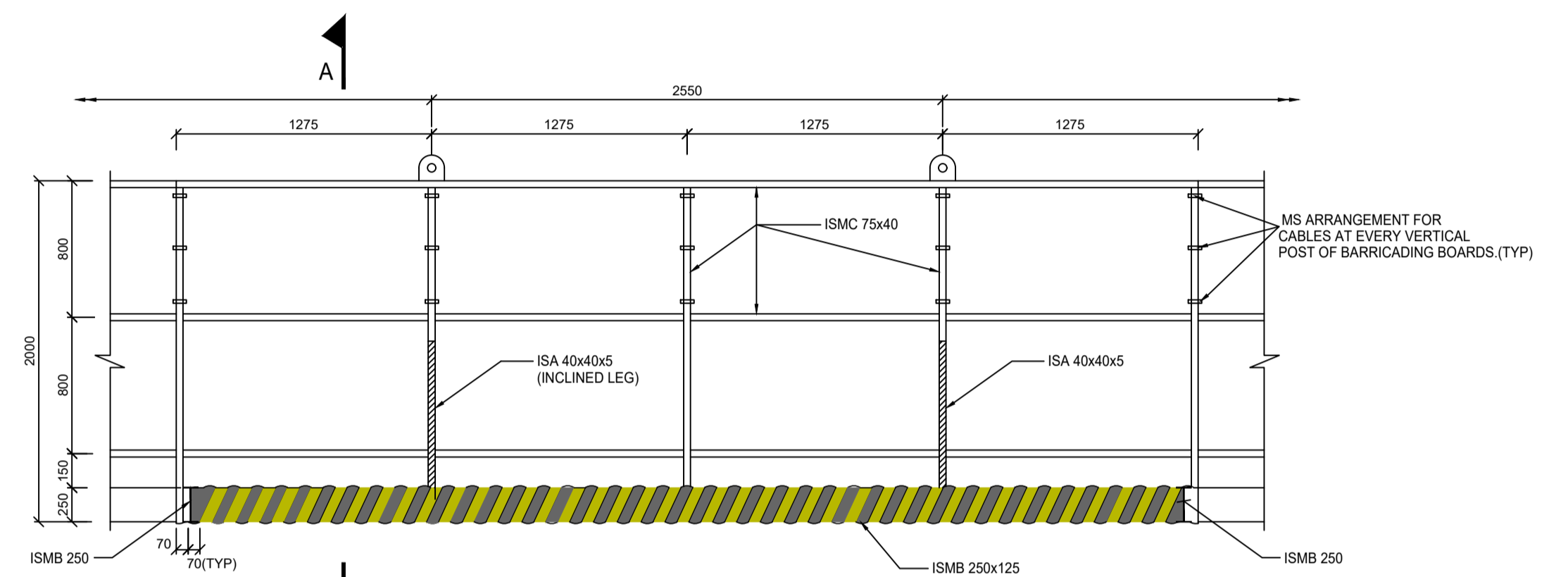
ELEVATION OF ONE UNIT OF TEMPORARY BARRICADING



ELEVATION OF ONE SET OF TEMPORARY BARRICADING



SECTION A-A



DETAILS OF TEMPORARY BARRICADING

RAL COLOUR CODE		
1)	YELLOW	1026
2)	RED	3020
3)	BLUE	6027
4)	GREEN	6024
5)	BLACK	9005

NOTES:-

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5. ALL BARRICADING BOARDS TO BE PAINTED WITH APPROVED MAKE.
6. STRUCTURAL STEEL SHALL CONFORM TO OCS OF EMPLOYER.

SPECIFICATIONS FOR ALL STRUCTURAL ELEMENTS SHALL BE REFERRED FROM OCS AND ODS ENCLOSED IN TENDER SPECIFICATION.

TENDER DRAWING

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PROJECT: NGNECC-01: Part Design & Construction of Elevated Viaduct and 10 nos. of Elevated Stations for Extension Projects of NMRC's Aqua Line from Botanical Garden to Noida Sec-142 (from Chainage (-) 383.959 to 12130.143) and from Depot Station to Boraki MMTH (Chainage 28678.253 to 31263.482).

VIADUCT
DRAWING TITLE: DETAILS OF TEMPORARY BARRICADING(2m.HEIGHT)

NORTH Z	DRAWN BY: P. BISHT	CHECKED BY: D.S	VERIFIED BY: P. Kundu	APPROVED BY: P. Banerjee	NGNEDDC
	DATE: 27-03-2026	REV: R0	SCALE: NTS	STATUS: TENDER	
ORDER N° P36-0022	DRAWING NUMBER: NGNE-VID-TED-STR-10115	SHEET NO. 01 OF 01	SHEET SIZE A1		

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 5. ALL DOOR/WINDOW CILL & LINTEL LEVELS ARE MEASURED FROM MAIN FLOOR FINISHED LEVELS.

REFERENCE DRAWINGS

REVISION	DESCRIPTION	DRAWING NO.

REVISIONS

REV.	DESCRIPTION	DATE	DRAWN BY	CHECKED BY
R0	INITIAL DRAWING	27-03-2026	PB	D.S

APPROVAL OF NMRC OFFICIALS

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Architecture Design In-charge/ Coordinator
Structure Design In-charge/ Coordinator
E&M Design In-charge/ Coordinator

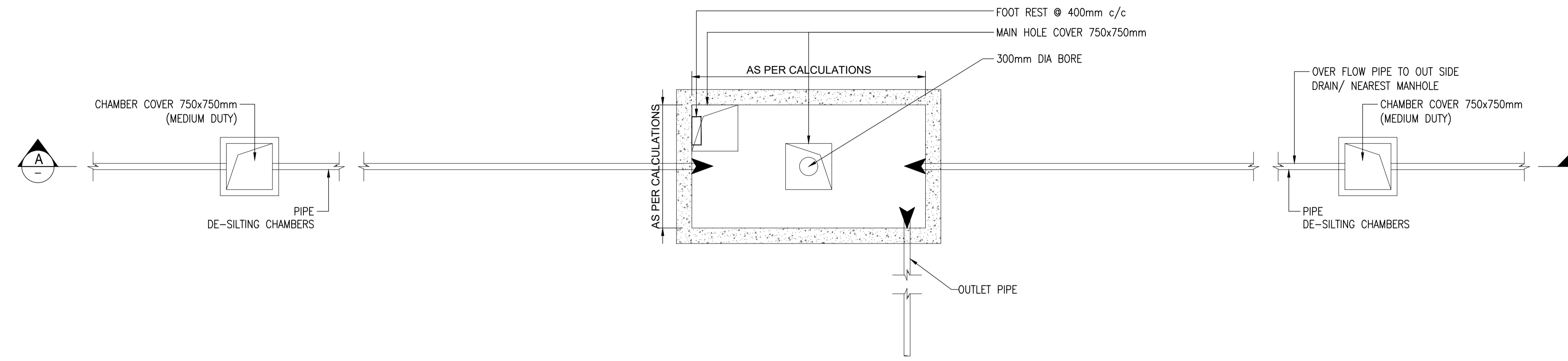
DETAIL DESIGN CONSULTANT :



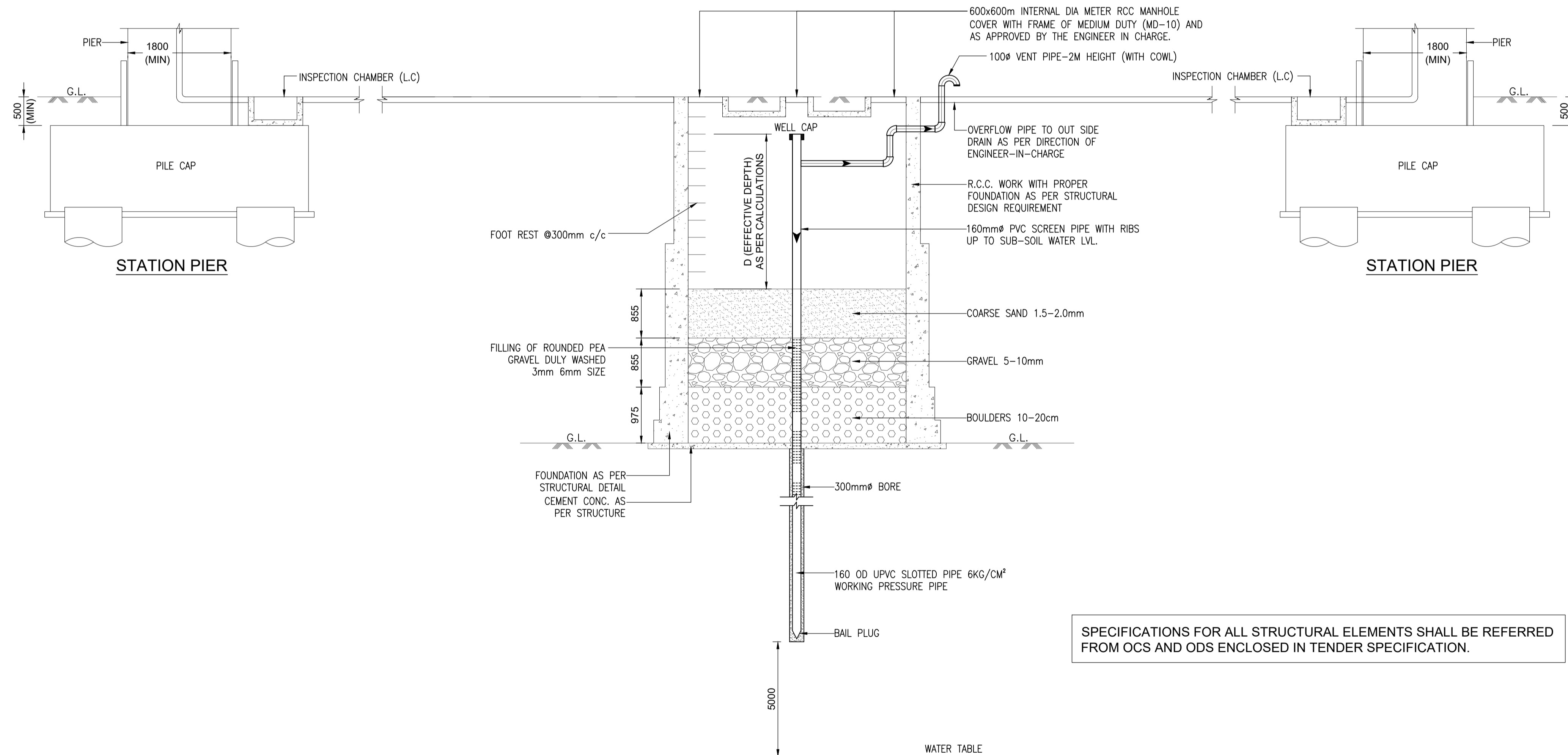
Ayesa India Private Limited
D 99, 3rd Floor, Sector 2, Noida -201301, Gautam
Budh Nagar, Uttar Pradesh
Tel.: +(91) 120 490 8800, Email: dcdd05@ayesa.com

Authorised Signatory for DDC.
NGNEDDC Project Manager

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PLAN



SECTION-AA

SPECIFICATIONS FOR ALL STRUCTURAL ELEMENTS SHALL BE REFERRED FROM OCS AND ODS ENCLOSED IN TENDER SPECIFICATION.

NOTES:-

- ALL DIMENSIONS ARE TENTATIVE, AND THE RAINWATER HARVESTING (RHW) TO BE DESIGNED BY CONTRACTOR
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REFERENCE DRAWINGS		
REVISION	DESCRIPTION	DRAWING NO.
R0	RAIN WATER HARVESTING PLAN AND SECTION	NGNE-VID-TED-STR-10114 (SHEET- 02)

REVISIONS					APPROVAL OF NMRC OFFICIALS				
REV.	DESCRIPTION	DATE	DRAWN BY	CHECKED BY					
R0	INITIAL DRAWING	27-03-2026	PB	D.S					

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Authorised Signatory for DDC, NGNEDDC Project Manager

Architecture Design In-charge/ Coordinator	Structure Design In-charge/ Coordinator	E&M Design In-charge/ Coordinator
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DETAIL DESIGN CONSULTANT :

ayesa

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Budh Nagar, Uttar Pradesh
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District Gautam Budh Nagar, Uttar Pradesh, India

PROJECT: NGNECC-01: Part Design & Construction of Elevated Viaduct and 10 nos. of Elevated Stations for Extension Projects of NMRC's Aqua Line from Botanical Garden to Noida Sec-142 (from Chainage (-) 383.959 to 12130.143) and from Depot Station to Boraki MMTH (Chainage 28678.253 to 31263.482).

VIADUCT

DRAWING TITLE: RAIN WATER HARVESTING PLAN AND SECTION

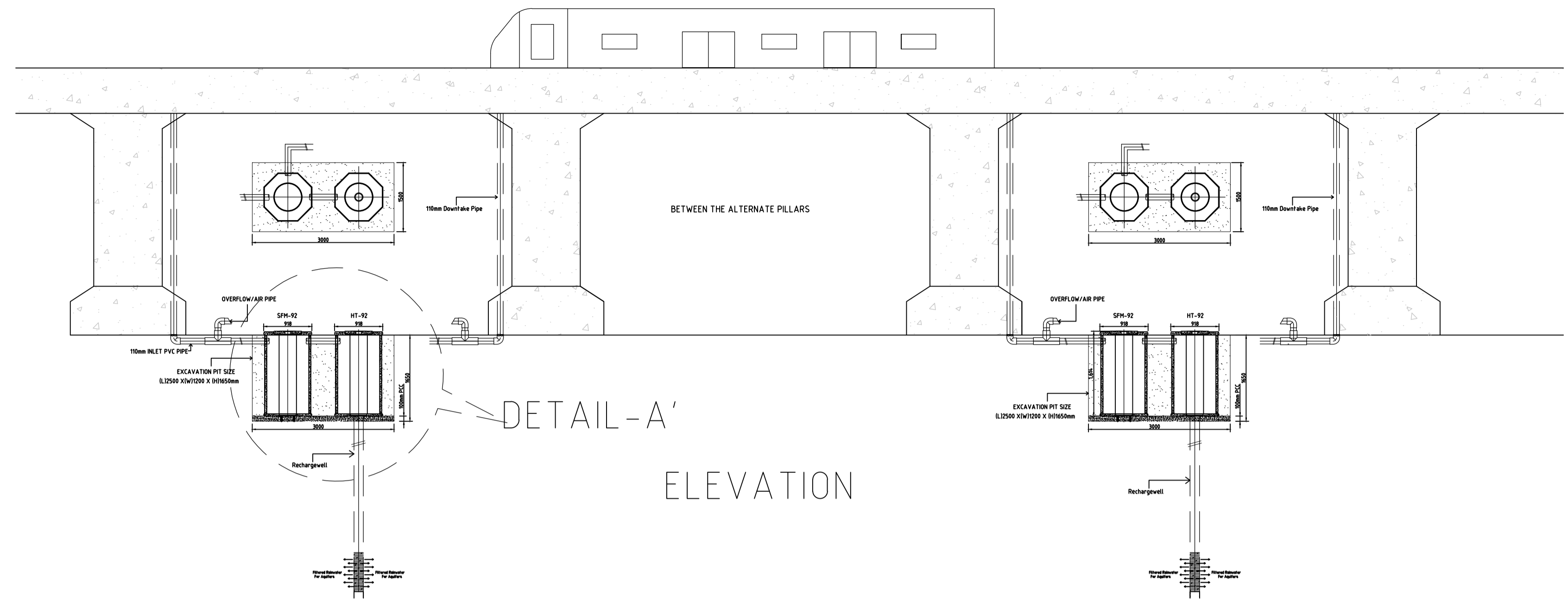
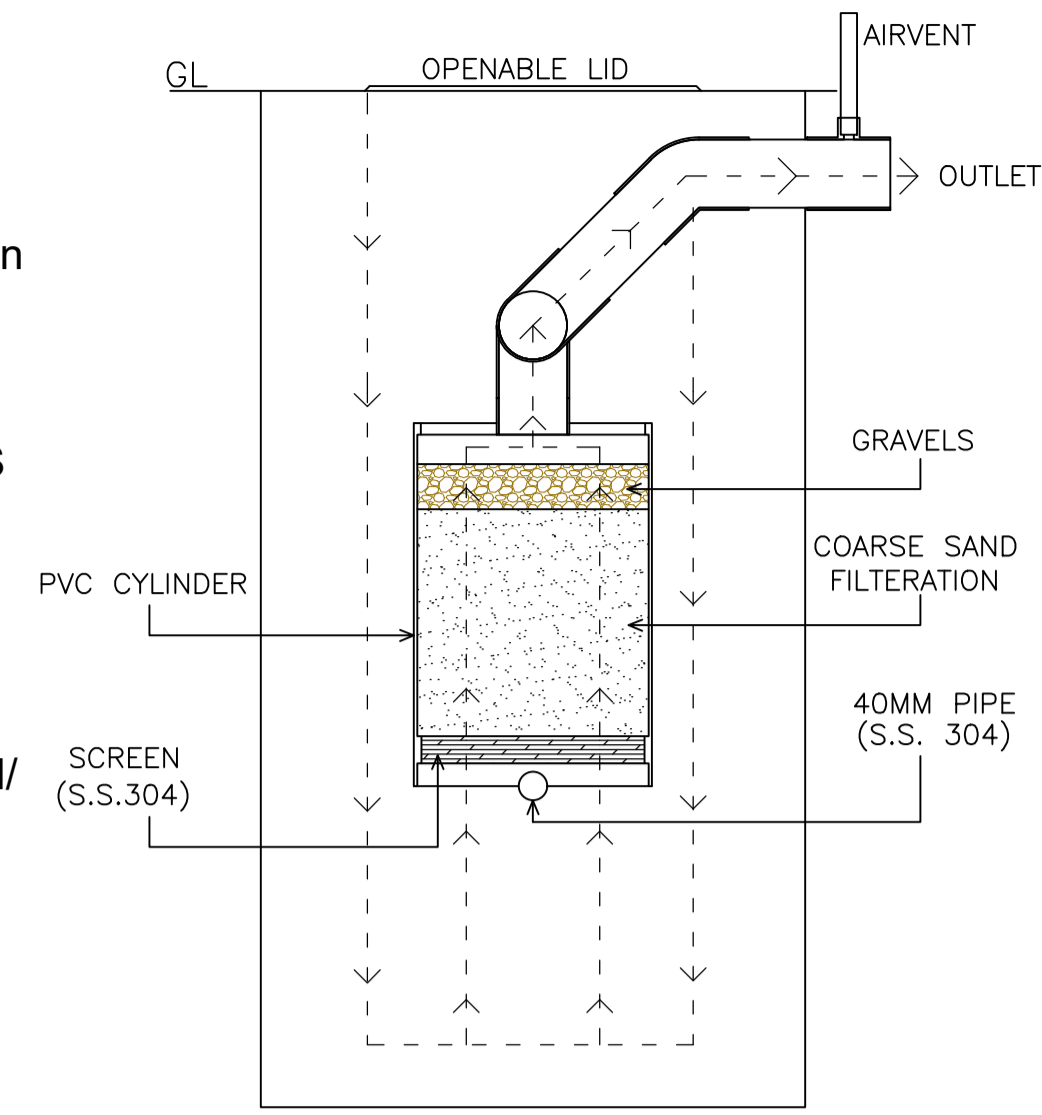
NORTH	DRAWN BY: P. BISHT	CHECKED BY: D.S	VERIFIED BY: P. Kundu	APPROVED BY: P. Banerjee
	DATE: 27-03-2026	REV: R0	SCALE: NTS	STATUS: TENDER
ORDER N° P36-0022	DRAWING NUMBER: NGNE-VID-TED-STR-10116	SHEET NO. 01 OF 02	SHEET SIZE A1	NGNEDDC

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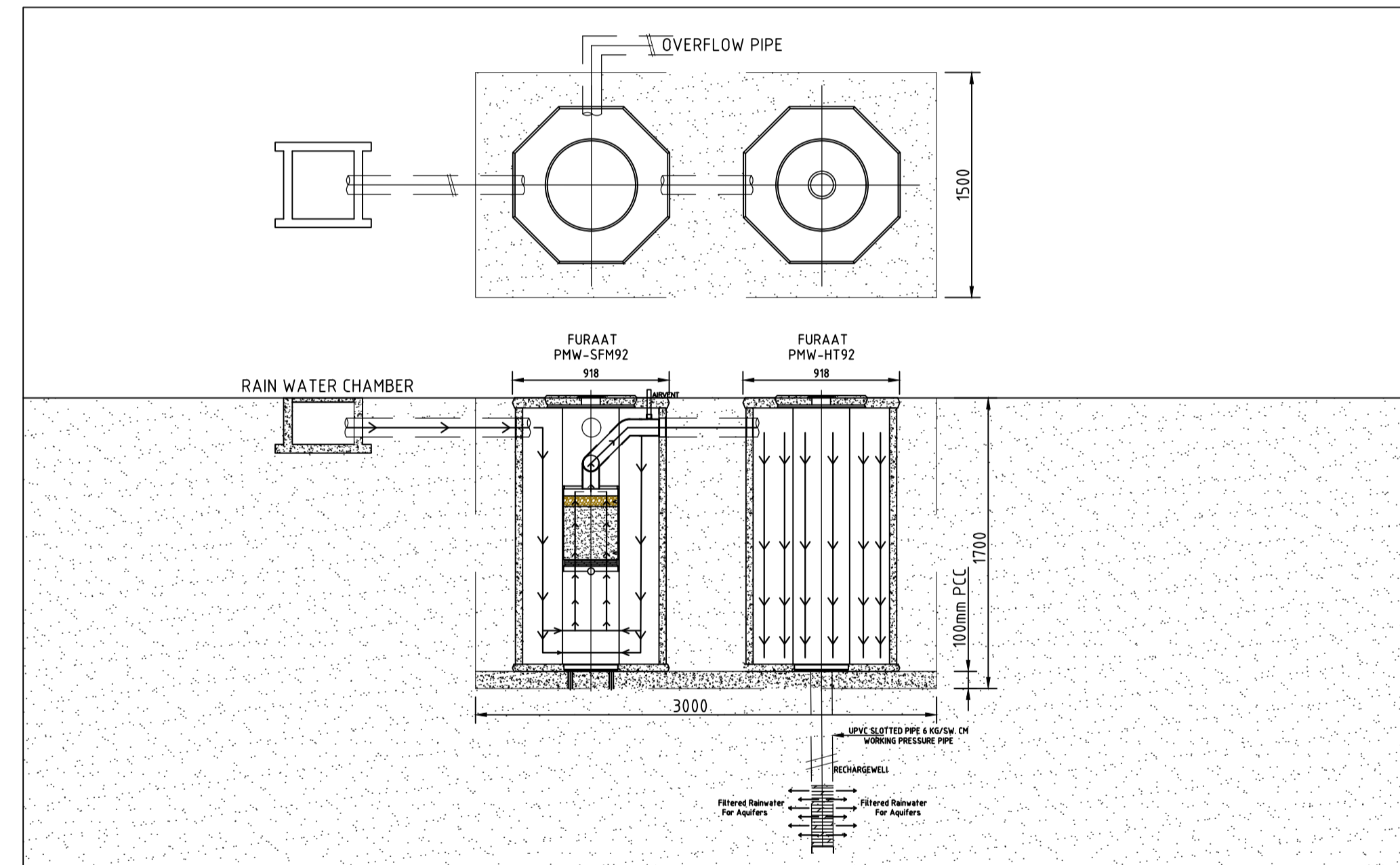
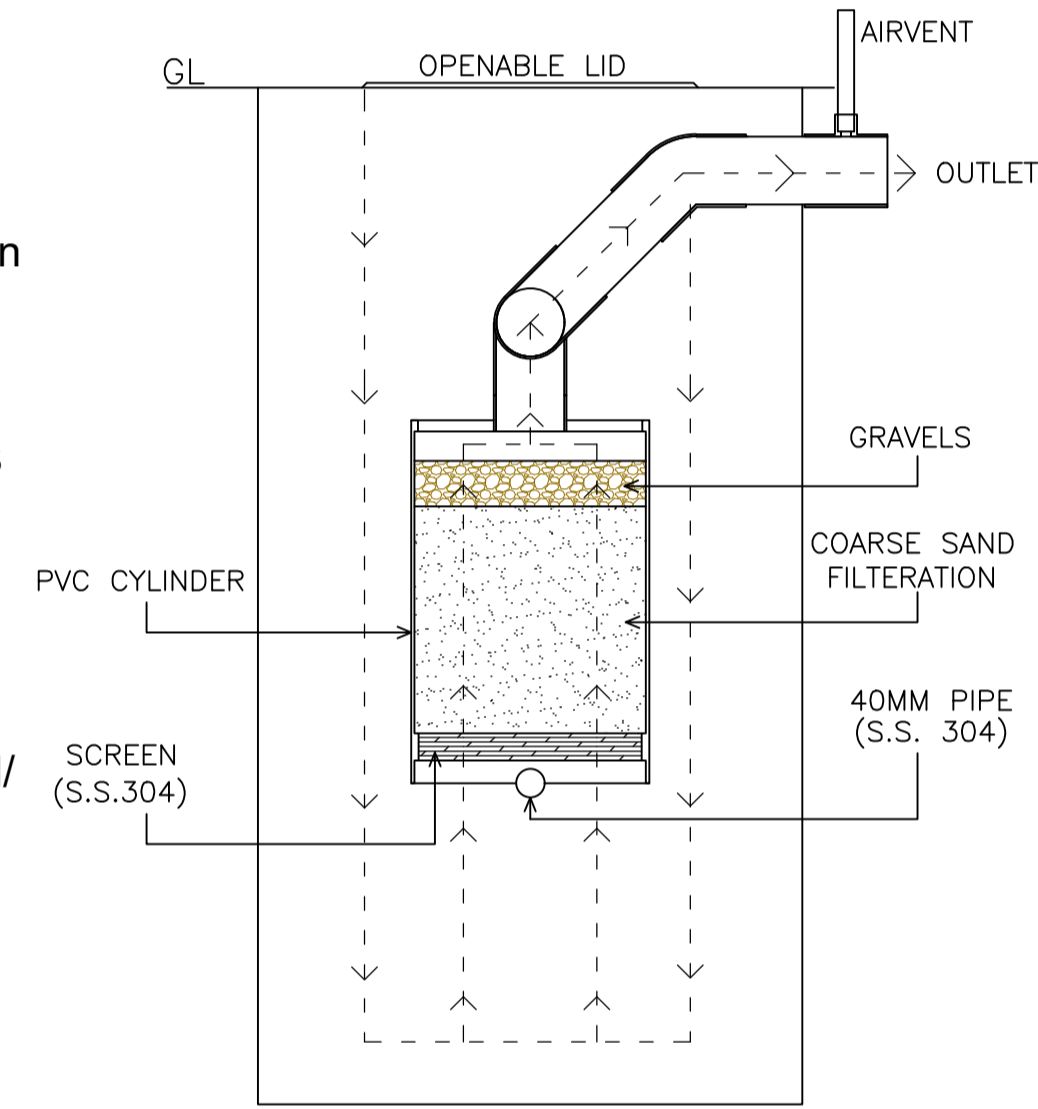
SPECIFICATION

Providing and installing Modular type cement concrete system for rainwater harvesting with screen and natural filters. It consists of single module with internal volume of approximately 0.8 cubic meter that is to be fixed below ground level. The module is of an octagonal shape with a diameter of approximately 1000 mm below ground level. Total height of the system is 1614 mm. There are two Cylindrical PVC sand filters resting on S.S.(304) Dia. 40mm Pipe fixed at 600mm from the bottom of the module. PVC sand filters 315mmdia x 480min height in the unit below ground level. It also comprises of SS screen of 304 grade with filter area of 1470 sq cm. and can hold 0.04 cubic meter of filtration sand. Filtration capacity & testing up to 8m3 to 10m3 per hour from modular systems only. All precast concrete slabs are of M-25 grade. The inlet and outlet of the system is 90mm diameter UPVC pipes. The entire system contains approximately 0.02 cubic meter gravels of 40 mm size. This module is used for Roof top water and the filtered water to get into is finally connected with the existing tubewell/recharge borewell/ UG water storage tank.



SPECIFICATION

Providing and installing Modular type cement concrete system for rainwater harvesting with screen and natural filters. It consists of single module with internal volume of approximately 0.8 cubic meter that is to be fixed below ground level. The module is of an octagonal shape with a diameter of approximately 1000 mm below ground level. Total height of the system is 1614 mm. There are two Cylindrical PVC sand filters resting on S.S.(304) Dia. 40mm Pipe fixed at 600mm from the bottom of the module. PVC sand filters 315mmdia x 480min height in the unit below ground level. It also comprises of SS screen of 304 grade with filter area of 1470 sq cm. and can hold 0.04 cubic meter of filtration sand. Filtration capacity & testing up to 8m3 to 10m3 per hour from modular systems only. All precast concrete slabs are of M-25 grade. The inlet and outlet of the system is 90mm diameter UPVC pipes. The entire system contains approximately 0.02 cubic meter gravels of 40 mm size. This module is used for Roof top water and the filtered water to get into is finally connected with the existing tubewell/recharge borewell/ UG water storage tank.



DETAIL - A'

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TENDER DRAWING

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Block-III, 3rd Floor, Ganga Shopping Complex, Sector-29, Noida -201301,
District Gautam Budh Nagar, Uttar Pradesh, India

PROJECT: NGNECC-01: Part Design & Construction of Elevated Viaduct and 10 nos. of Elevated Stations for Extension Projects of NMRC's Aqua Line from Botanical Garden to Noida Sec-142 (from Chainage (-) 383.959 to 12130.143) and from Depot Station to Boraki MMTH (Chainage 28678.253 to 31263.482).

VIADUCT
DRAWING TITLE: RAIN WATER HARVESTING PLAN AND SECTION

NORTH	DRAWN BY: P. BISHT	CHECKED BY: D.S	VERIFIED BY: P. Kundu	APPROVED BY: P. Banerjee
DATE: 27-03-2026	REV: R0	SCALE: NTS	TENDER	STATUS: SHEET SIZE
ORDER N° P36-0022	DRAWING NUMBER: NGNE-VID-TED-STR-10116	SHEET NO. 02 OF 02	SHEET SIZE A1	INGNEDDC

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5. ALL DOOR/WINDOW CILL & LINTEL LEVELS ARE MEASURED FROM MAIN FLOOR FINISHED LEVELS.		
REFERENCE DRAWINGS		
REVISION	DESCRIPTION	DRAWING NO.
R0	RAIN WATER HARVESTING PLAN AND SECTION	NGNE-VID-TED-STR-10114 (SHEET- 01)

REVISIONS					APPROVAL OF NMRC OFFICIALS				
REV.	DESCRIPTION	DATE	DRAWN BY	CHECKED BY					
R0	INITIAL DRAWING	27-03-2026	PB	D.S					

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Architecture Design In-charge/ Coordinator: [Signature]

Structure Design In-charge/ Coordinator: [Signature]

E&M Design In-charge/ Coordinator: [Signature]

Authorised Signatory for DDC: NGNEDDC Project Manager

DETAIL DESIGN CONSULTANT :

ayesa

Ayesa India Private Limited
D 99, 3rd Floor, Sector 2, Noida -201301, Gautam
Budh Nagar, Uttar Pradesh
Tel.: +(91) 120 490 8800, Email: dcdd05@ayesa.com

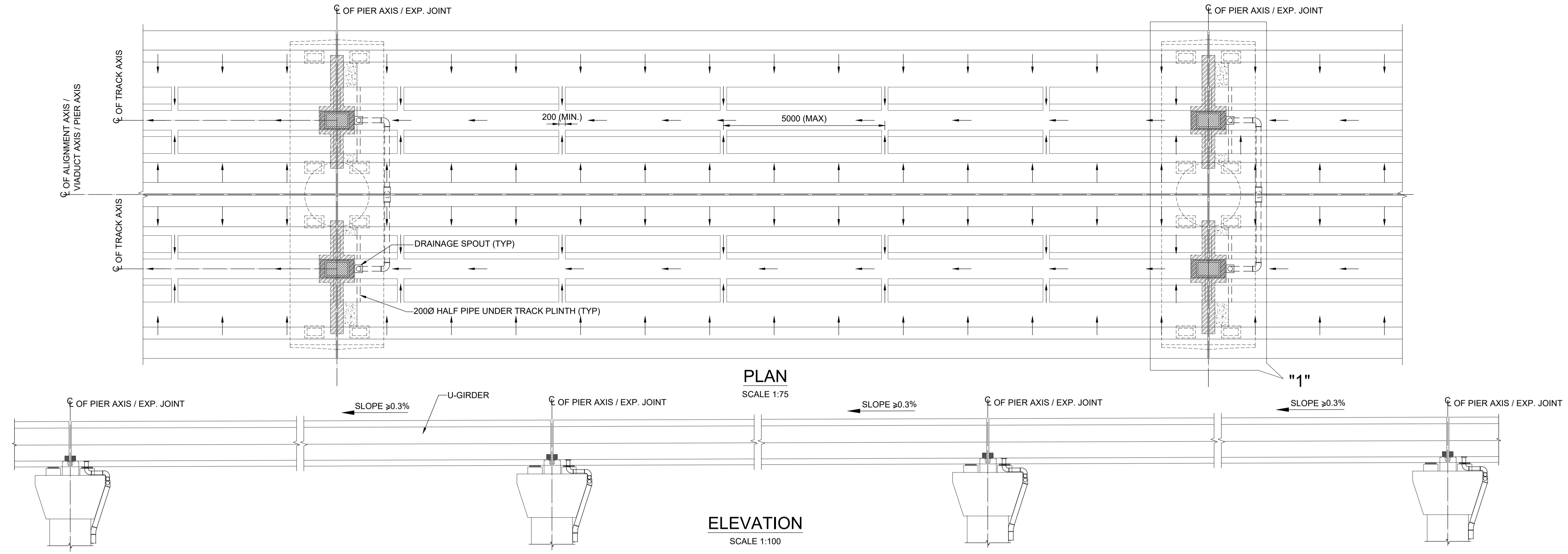
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NOTES :-

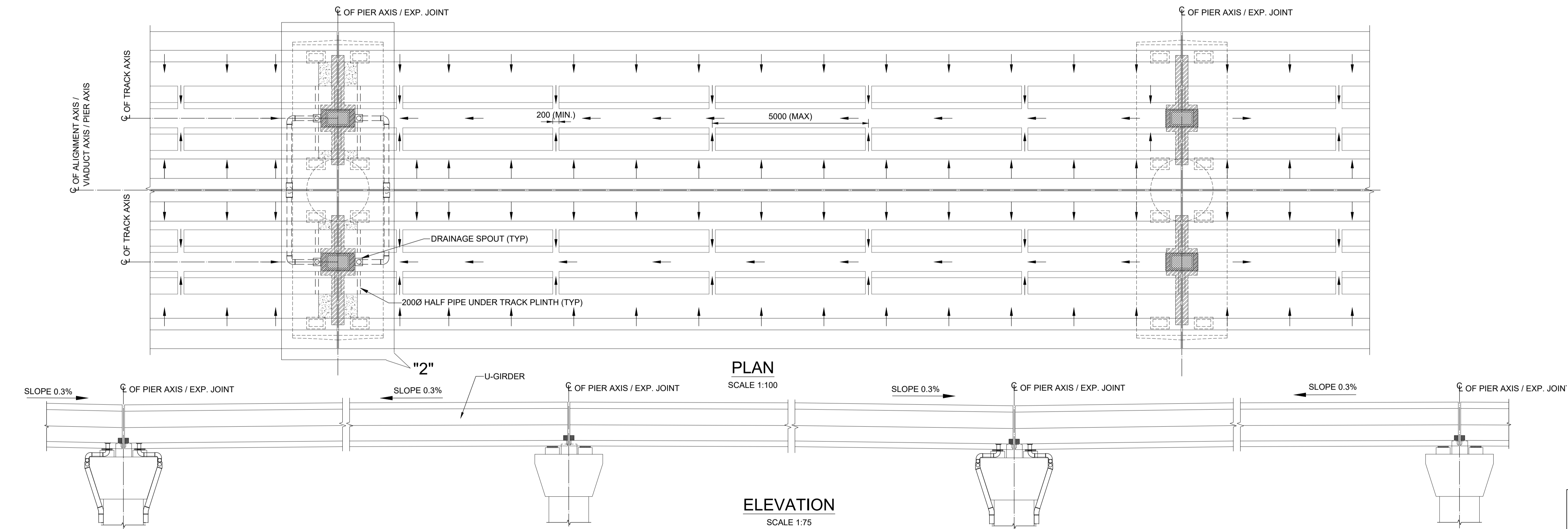
1. ALL DIMENSIONS ARE IN MILLIMETRES AND LEVELS IN METERS, UNLESS NOTED OTHERWISE.
2. DIMENSIONS ARE NOT TO BE SCALED. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
3. ANY DISCREPANCIES MUST BE BROUGHT TO THE NOTICE OF THE CONSULTANT BEFORE EXECUTION OF WORK AT SITE.
4. DRAINAGE PIPES SHOWN IN DRAWING CORRESPONDS TO OUTER DIAMETER IN mm. DRAINAGE PIPE SHALL BE MADE OF DOUBLE WALL RIGID CORRUGATED HDPE PIPES AS PER MANUFACTURERS SPECIFICATIONS.
5. CONNECTION BETWEEN PIPES SHALL BE ACHIEVED MECHANICALLY WITH THE HELP OF SOCKETING OR EQUIVALENT.
6. STEEL SPOUT SHALL BE MADE OF MS WITH HOT DIP GALVANIZING @650g/sqm. AFTER WELDING AS PER SPECIFICATIONS.

TRACK PLINTH (INDICATIVE) PRINCIPLE OF DRAINAGE AT TOP OF TRACK IS TO BE DECIDED BY RELEVANT AGENCY

FOR DRAINAGE IN VIADUCT IN HORIZONTAL RAIL PROFILE SPANS WILL BE REQUIRED TO BE CAST AT 0.3% SLOPE WITH ADJUSTMENT IN RAIL LEVEL MADE IN RAIL PLINTHS. ALTERNATE PIER CAPS/ HEIGHT OF PEDESTAL SHALL BE ADJUSTED FOR THIS.



**DRAINAGE PRINCIPLE WHERE ALIGNMENT IS IN SLOPE I.E. TRACK SLOPE $\geq 0.3\%$
(DRAINAGE WATER COLLECTED FROM EACH SPAN AND DRAINED TO ATTACHED PIER)**



**DRAINAGE PRINCIPLE WHERE ALIGNMENT IS FLAT OR TRACK SLOPE IS $< 0.30\%$
(DRAINAGE WATER FROM TWO SPANS IS COLLECTED ON ALTERNATE PIER CAPS)**

TENDER DRAWING

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PROJECT: NGNECC-01: Part Design & Construction of Elevated Viaduct and 10 nos. of Elevated Stations for Extension Projects of NMRC's Aqua Line from Botanical Garden to Noida Sec-142 (from Chainage (-) 383.959 to 12130.143) and from Depot Station to Boraki MMTH (Chainage 28678.253 to 31263.482).

VIADUCT
DRAWING TITLE: DRAINAGE DETAILS OF U-GIRDER SPANS

NORTH	DRAWN BY: P. BISHT	CHECKED BY: D.S	VERIFIED BY: P. Kundu	APPROVED BY: P. Banerjee
DATE: 27-03-2026	REV: R0	SCALE: NTS	TENDER	STATUS: TENDER
ORDER NO: P36-0022	DRAWING NUMBER: NGNE-VID-TED-STR-10117	SHEET NO: 01 OF 03	SHEET SIZE: A1	NGNEDDC

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REFERENCE DRAWINGS

REVISION	DESCRIPTION	DRAWING NO.
R0	DRAINAGE DETAILS OF U-GIRDER SPANS	NGNE-VID-TED-STR-10115 (SHEET- 02 & 03)

REVISIONS					APPROVAL OF NMRC OFFICIALS				
REV.	DESCRIPTION	DATE	DRAWN BY	CHECKED BY					
R0	INITIAL DRAWING	27-03-2026	PB	D.S					

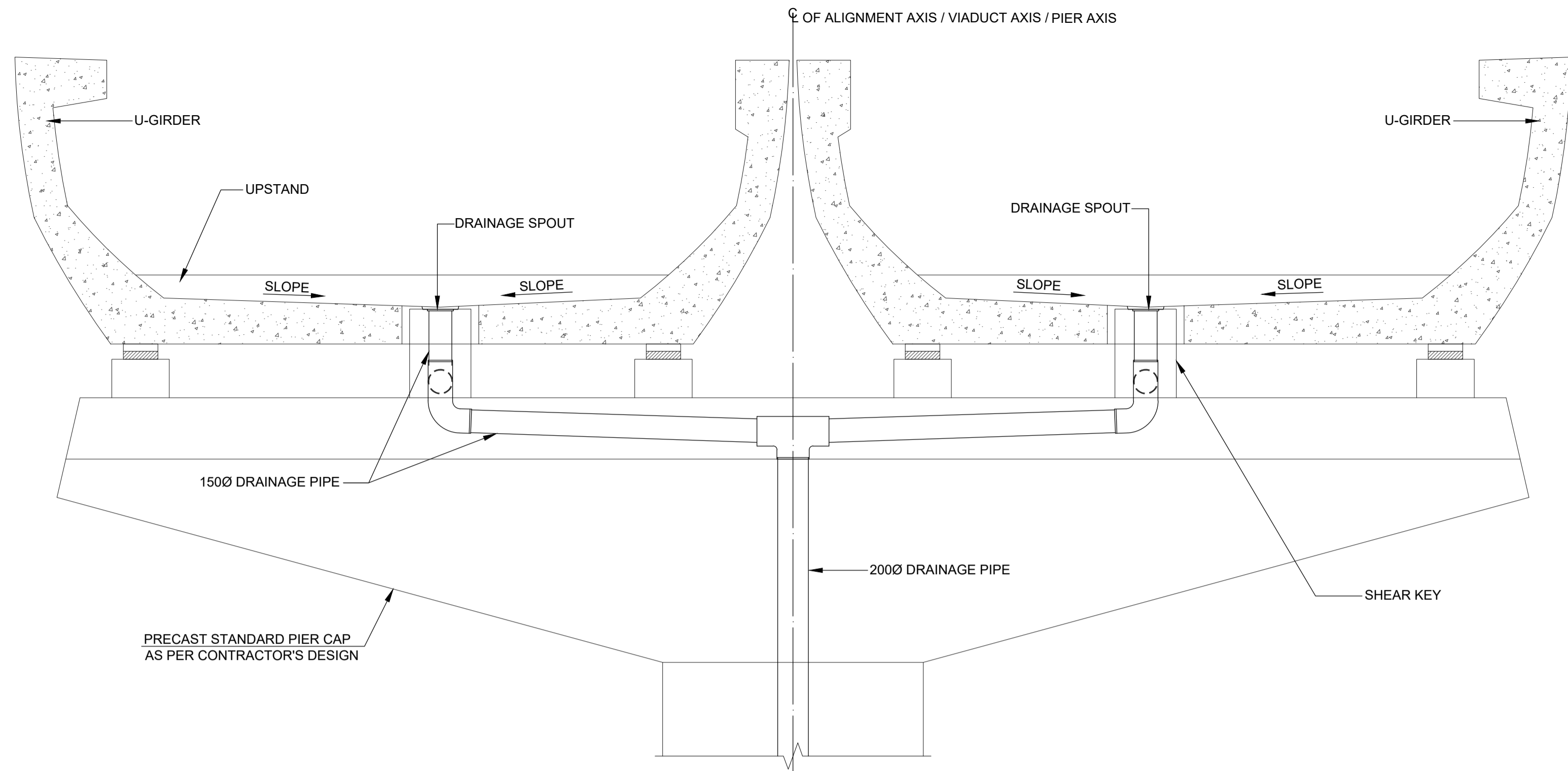
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Architecture Design In-charge/ Coordinator: [Signature]
Structure Design In-charge/ Coordinator: [Signature]
E&M Design In-charge/ Coordinator: [Signature]

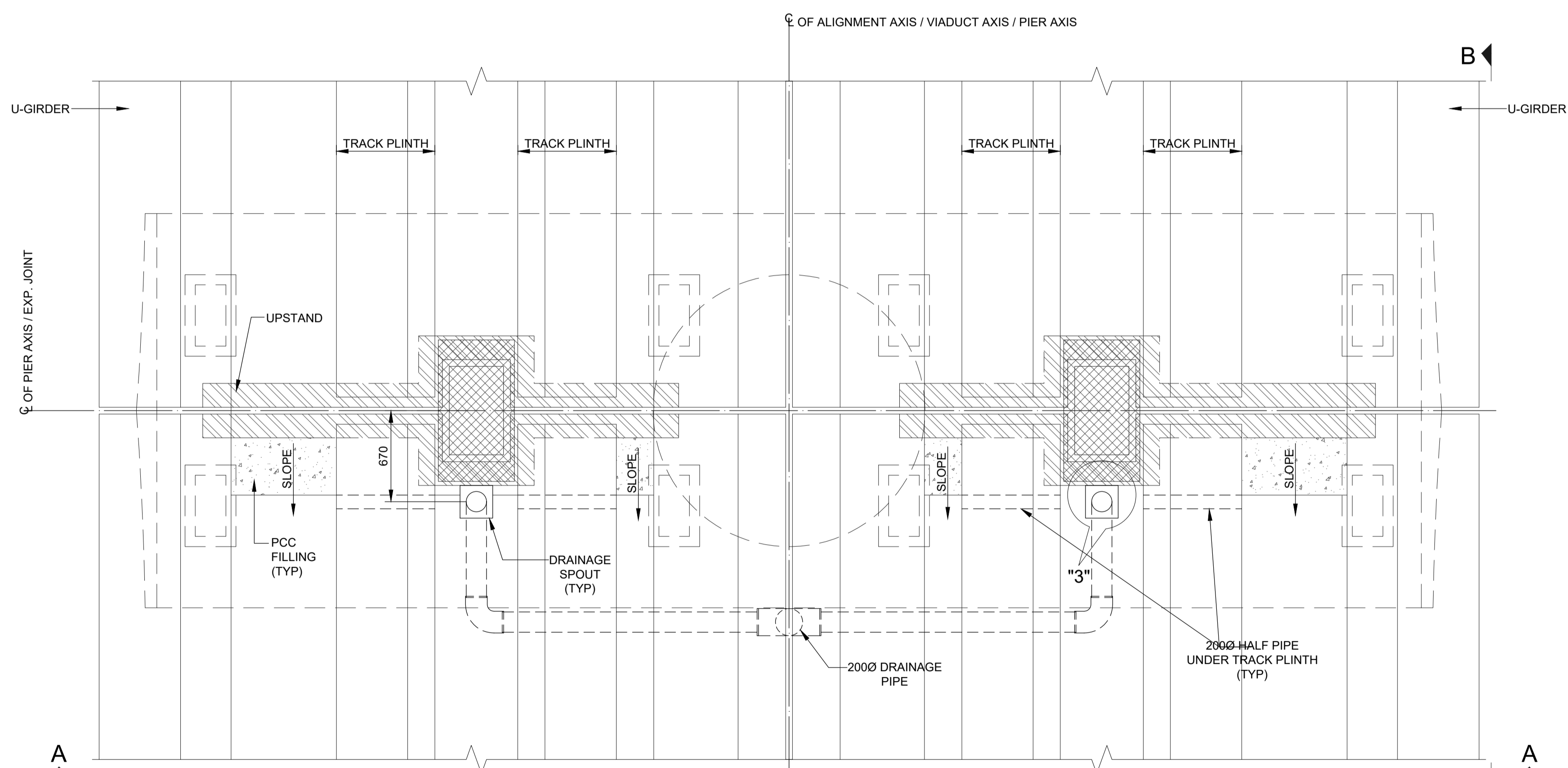
DETAIL DESIGN CONSULTANT:

ayesa
Ayesa India Private Limited
D 99, 3rd Floor, Sector 2, Noida -201301, Gautam Budh Nagar, Uttar Pradesh
Tel.: +(91) 120 490 8800, Email: dcdd05@ayesa.com

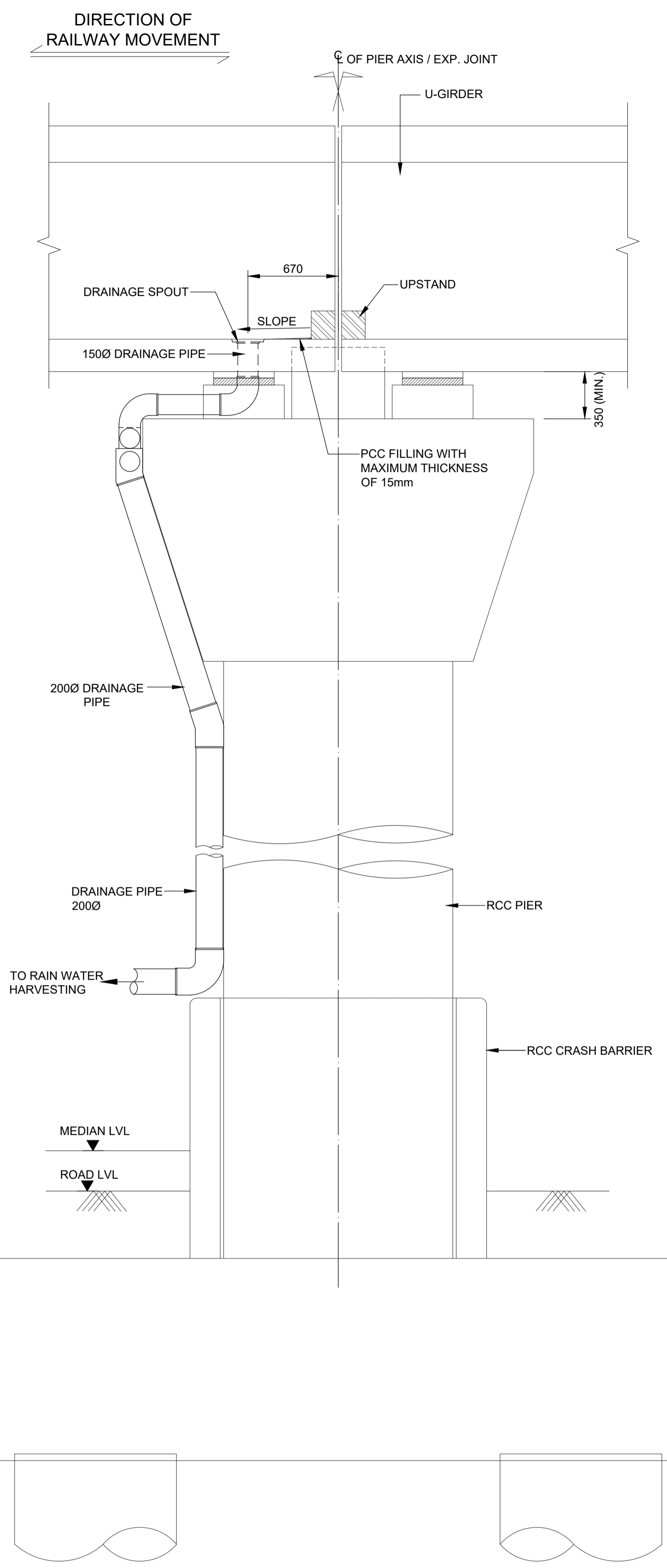
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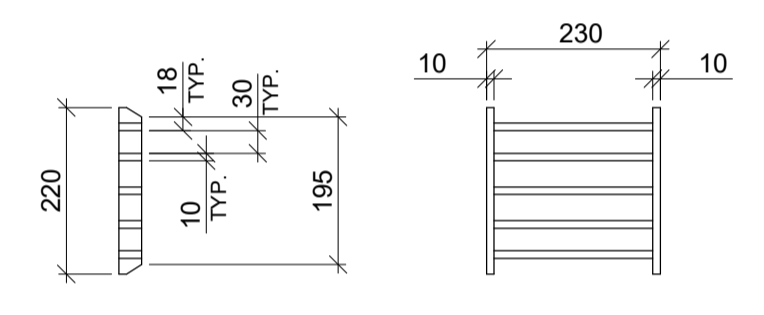
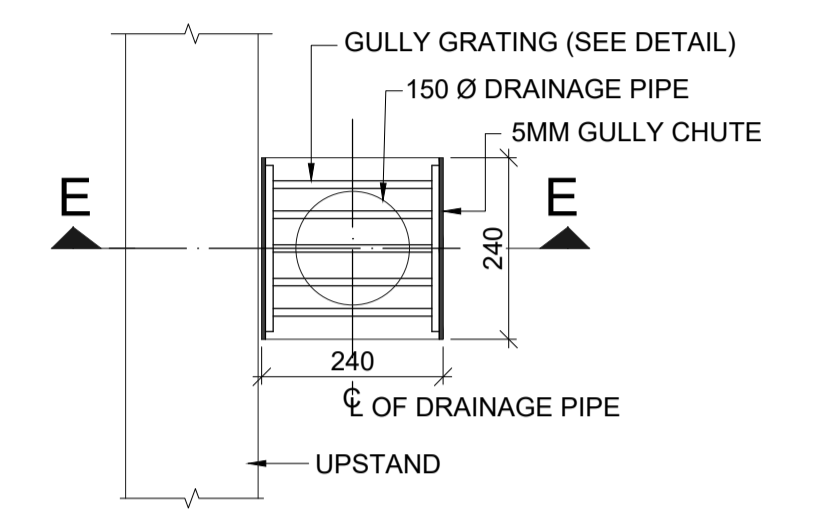
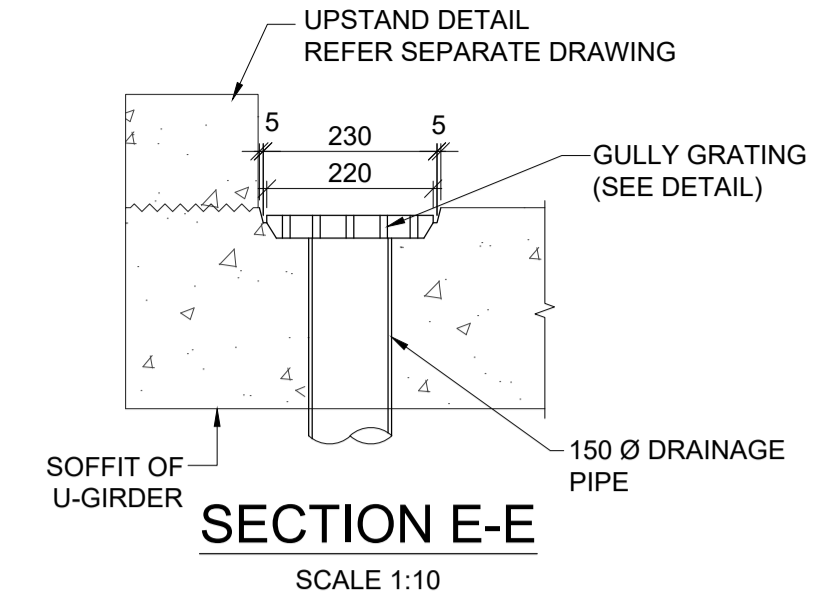
VIEW A-A
SCALE : 1:25



DETAIL - "1"
(SCALE 1:25)



VIEW B-B
SCALE : 1:25



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VIADUCT
DRAWING TITLE: DRAINAGE DETAILS OF U-GIRDER SPANS

NORTH Z	DRAWN BY: P. BISHT	CHECKED BY: D.S	VERIFIED BY: P. Kundu	APPROVED BY: P. Banerjee	NGNEDDC
	DATE: 27-03-2026	REV: R0	SCALE: NTS	STATUS: TENDER	
ORDER NO: P36-0022	DRAWING NUMBER: NGNE-VID-TED-STR-10117	SHEET NO. 02 OF 03	SHEET SIZE A1		

GENERAL NOTES:

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REFERENCE DRAWINGS

REVISION	DESCRIPTION	DRAWING NO.
R0	DRAINAGE DETAILS OF U-GIRDER SPANS	NGNE-VID-TED-STR-10115 (SHEET- 01 & 03)

REVISIONS				
REV.	DESCRIPTION	DATE	DRAWN BY	CHECKED BY
R0	INITIAL DRAWING	27-03-2026	PB	D.S

APPROVAL OF NMRC OFFICIALS				

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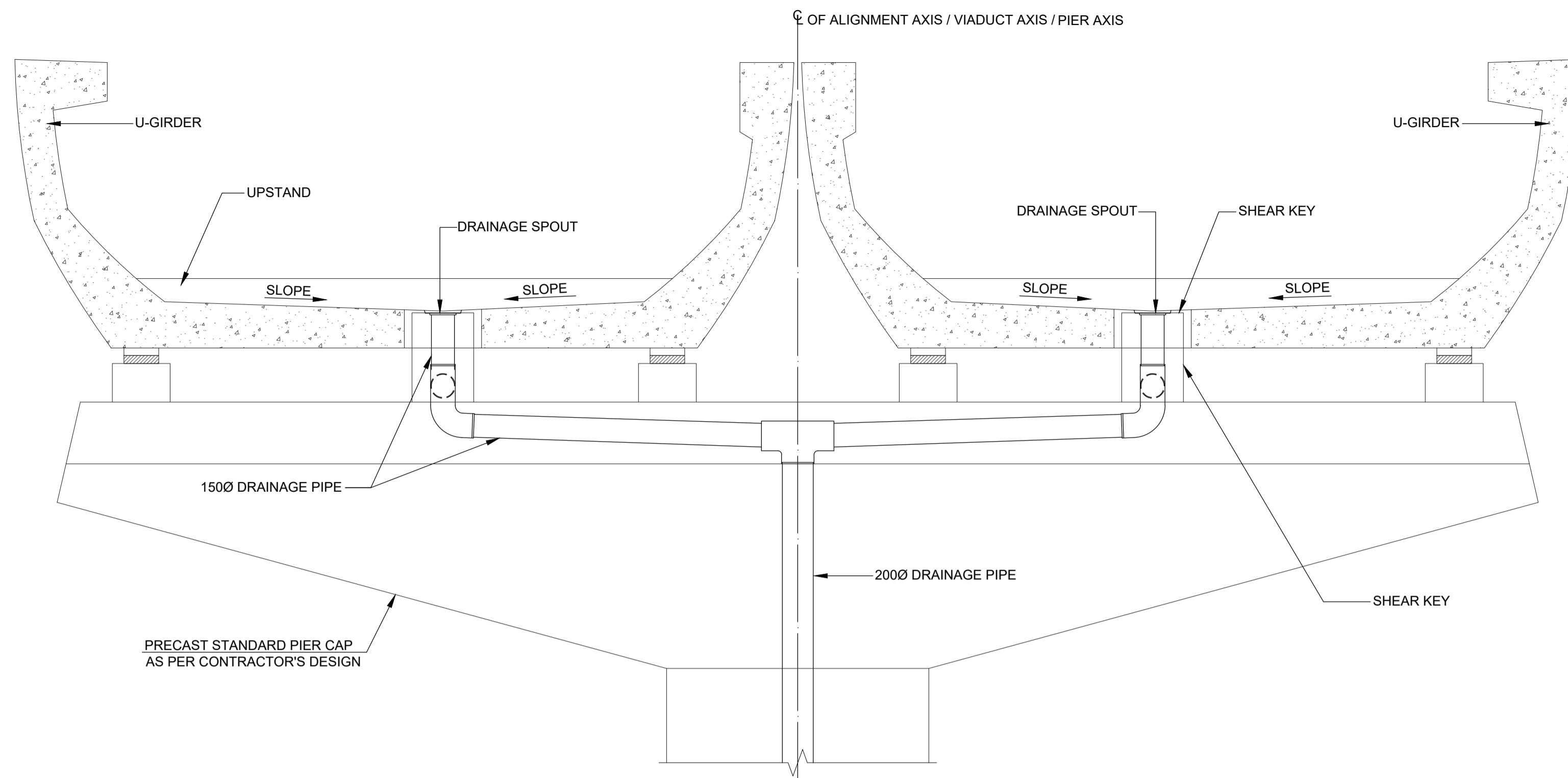
Structure Design In-charge/ Coordinator: [Signature]

E&M Design In-charge/ Coordinator: [Signature]

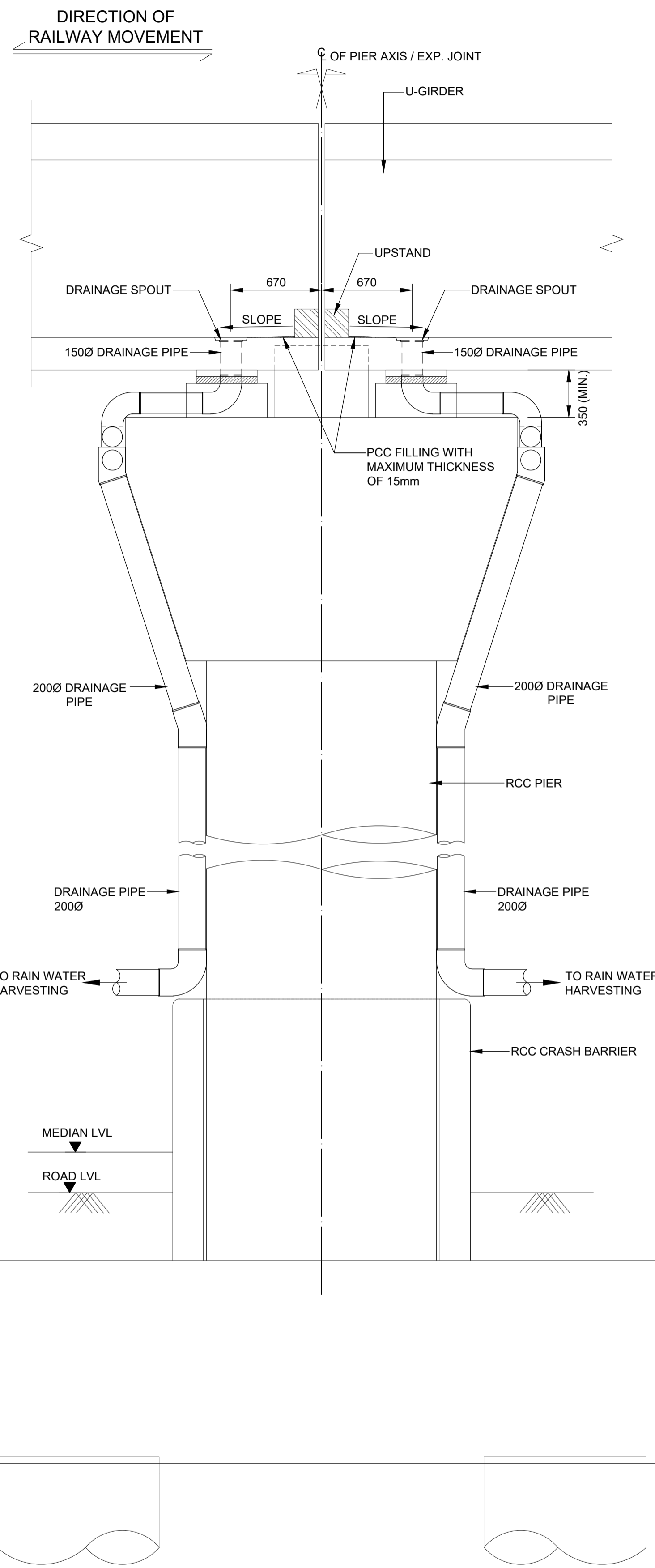
DETAIL DESIGN CONSULTANT:

ayesa
Ayesa India Private Limited
D 99, 3rd Floor, Sector 2, Noida -201301, Gautam Budh Nagar, Uttar Pradesh
Tel.: +(91) 120 490 8800, Email: dcdd05@ayesa.com

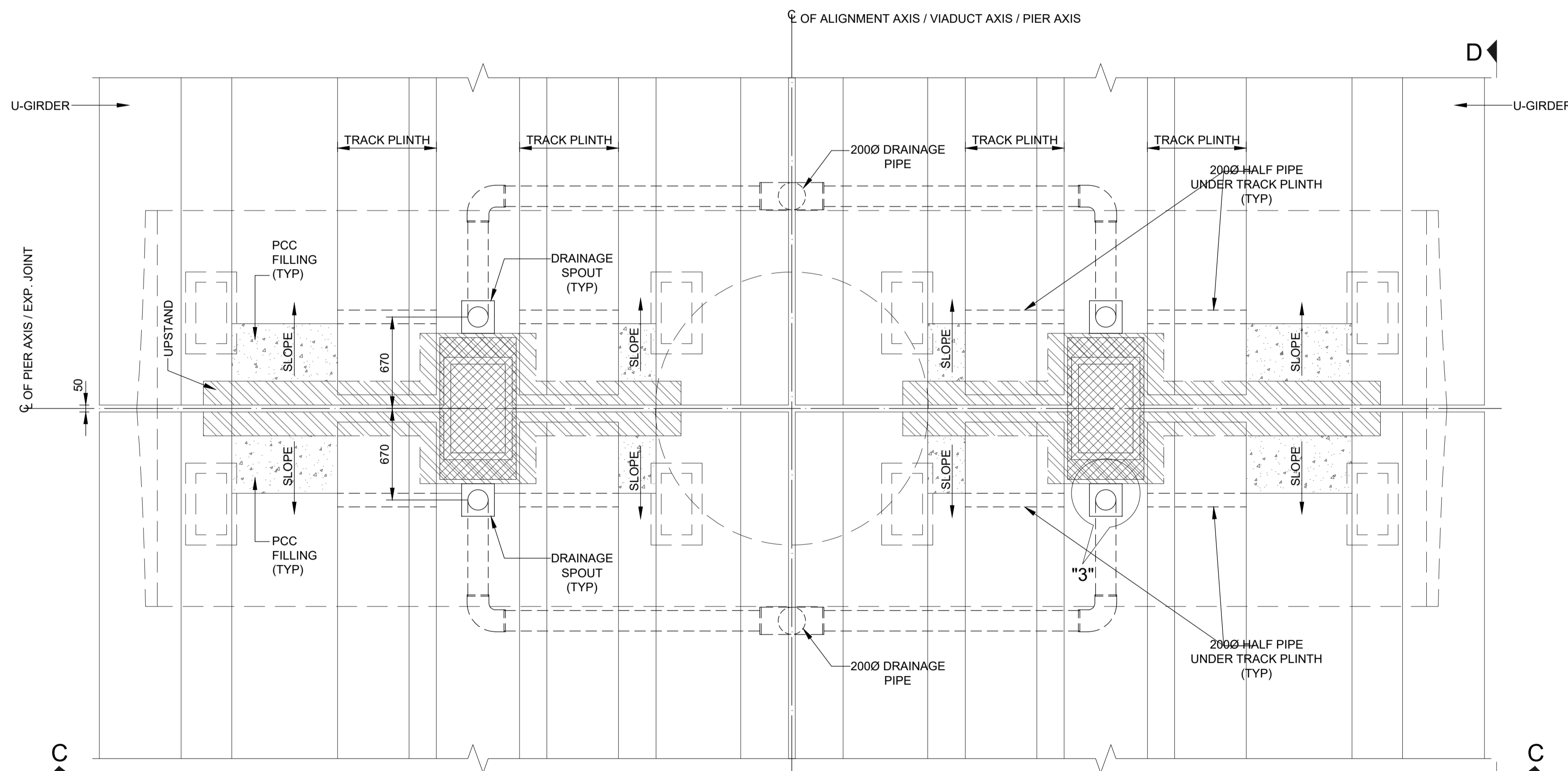
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VIEW C-C
SCALE : 1:25



VIEW D-D
SCALE : 1:25



DETAIL - "2"
SCALE 1:25

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VIADUCT
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NORTH	DRAWN BY: P. BISHT	CHECKED BY: D.S	VERIFIED BY: P. Kundu	APPROVED BY: P. Banerjee
DATE: 27-03-2026	REV: R0	SCALE: NTS	TENDER	STATUS:
ORDER N° P36-0022	DRAWING NUMBER: NGNE-VID-TED-STR-10117	SHEET NO. 03 OF 03	SHEET SIZE A1	INGNEDDC

- GENERAL NOTES:**
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REFERENCE DRAWINGS

REVISION	DESCRIPTION	DRAWING NO.
R0	DRAINAGE DETAILS OF U-GIRDER SPANS	NGNE-VID-TED-STR-10115 (SHEET- 01 & 02)

REVISIONS

REV.	DESCRIPTION	DATE	DRAWN BY	CHECKED BY
R0	INITIAL DRAWING	27-03-2026	PB	D.S

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Architecture Design In-charge/ Coordinator	Structure Design In-charge/ Coordinator	E&M Design In-charge/ Coordinator
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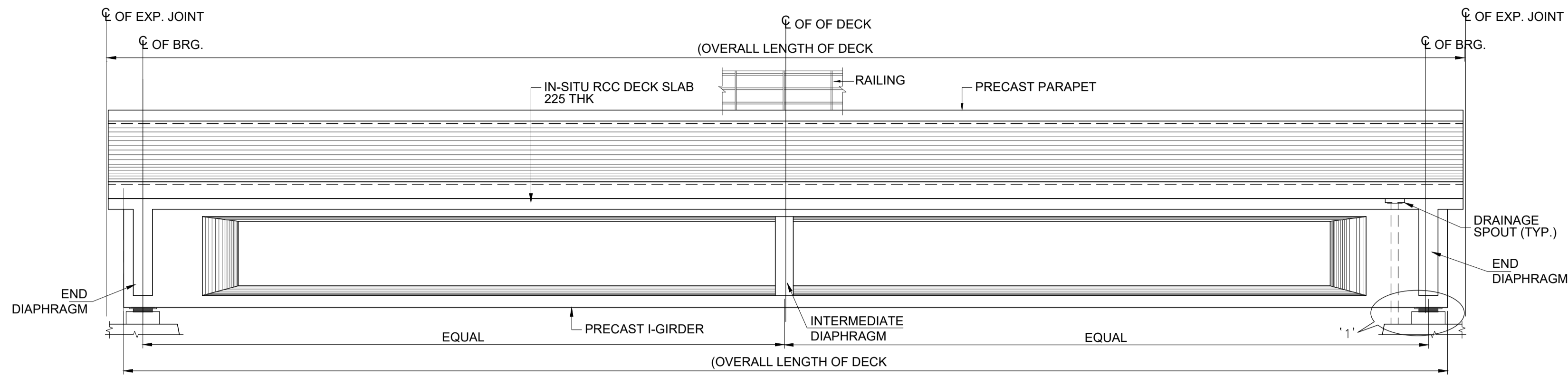
DETAIL DESIGN CONSULTANT :



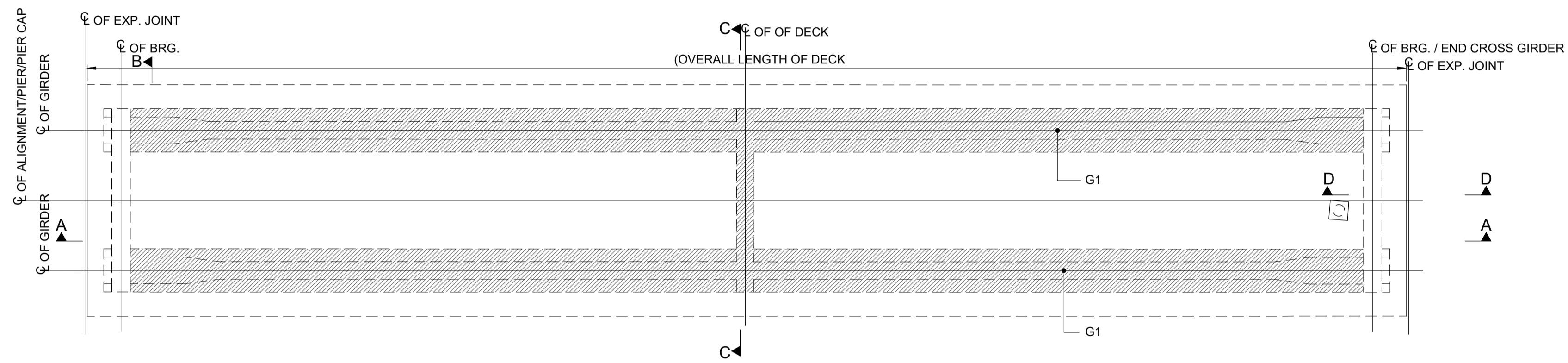
Ayesa India Private Limited
D 99, 3rd Floor, Sector 2, Noida -201301, Gautam
Budh Nagar, Uttar Pradesh
Tel.: +(91) 120 490 8800, Email: dcdd05@ayesa.com

Authorised Signatory for DDC, NGNEDDC Project Manager

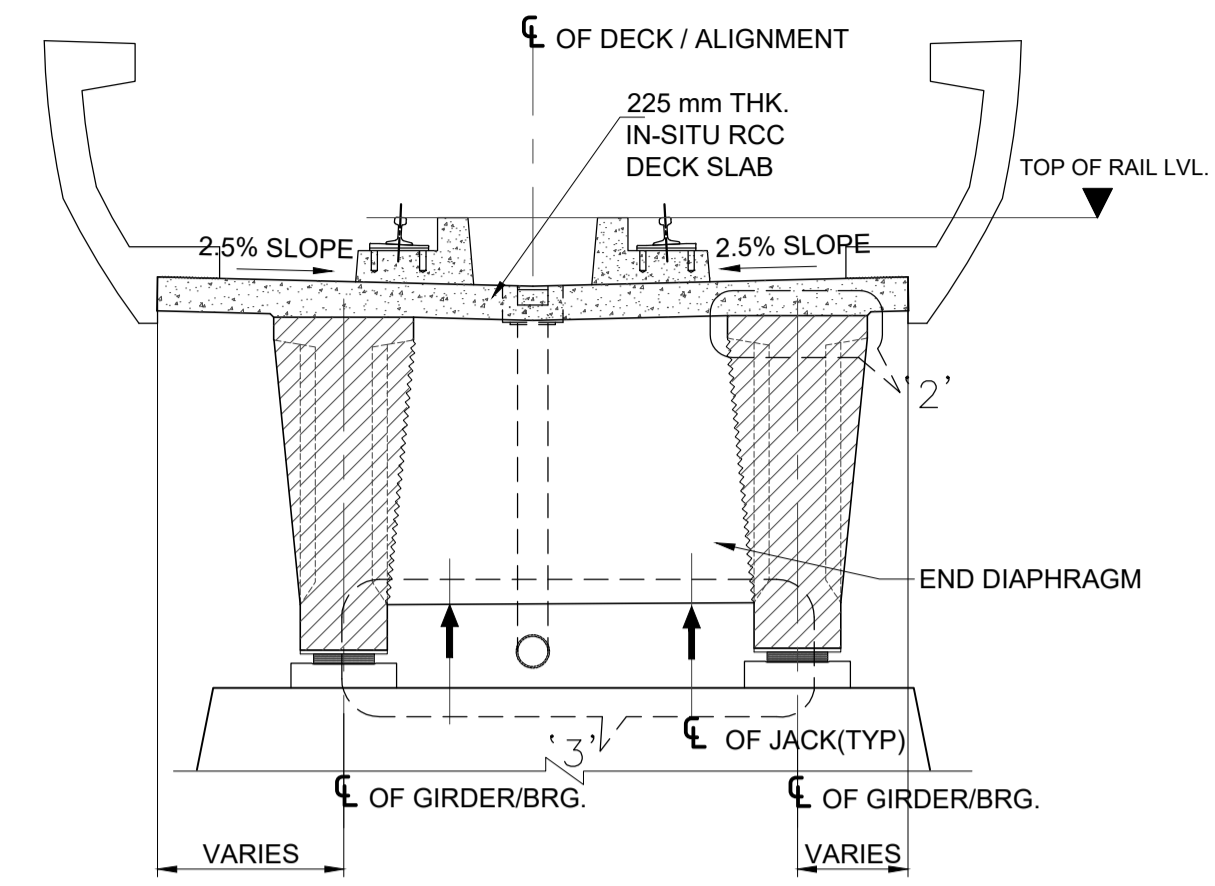
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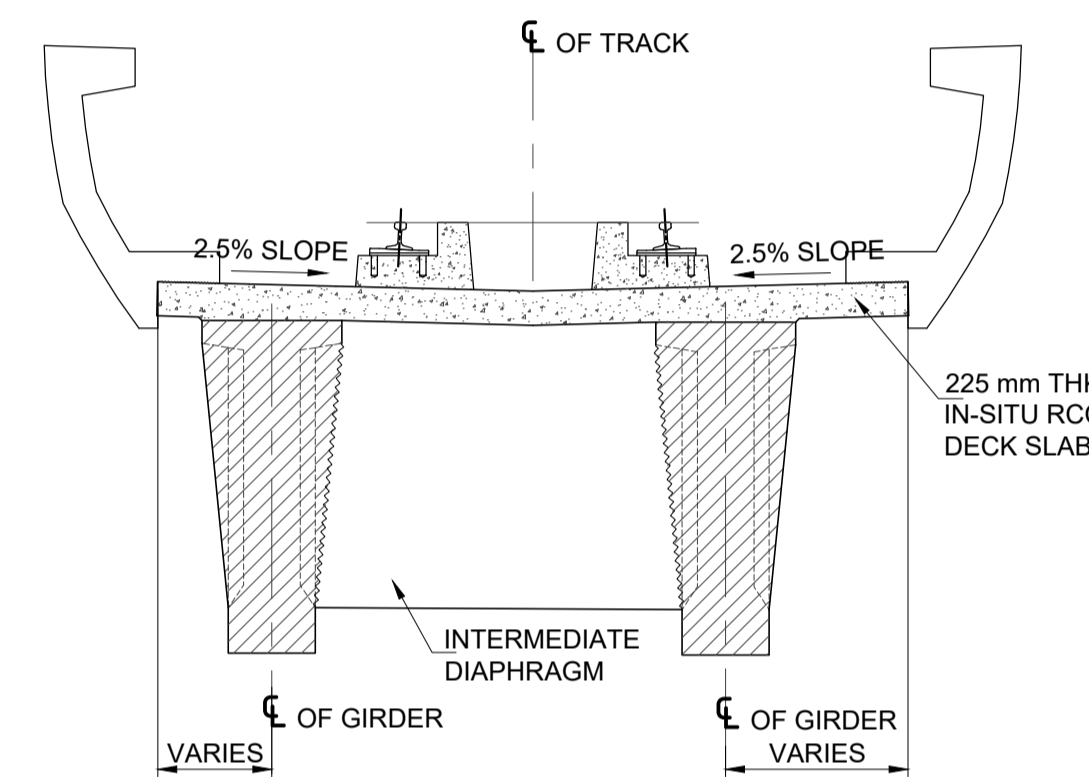
SECTIONAL ELEVATION A-A
(SCALE 1:60)



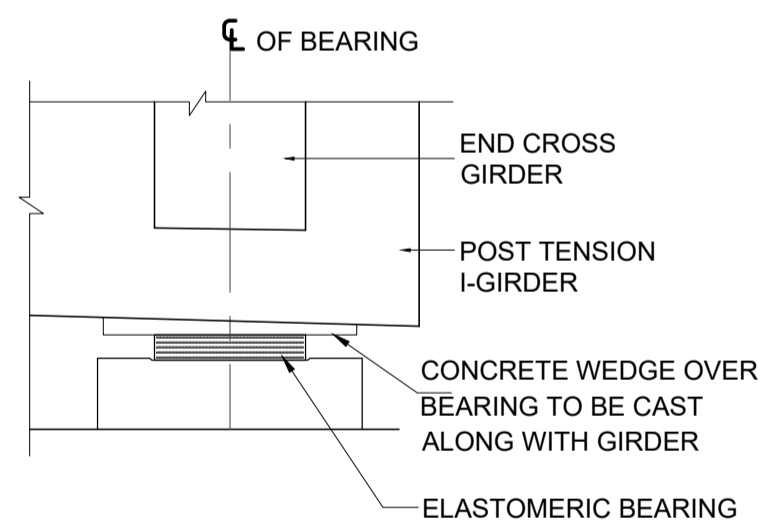
PLAN AT DECK LEVEL
(SCALE 1:60)



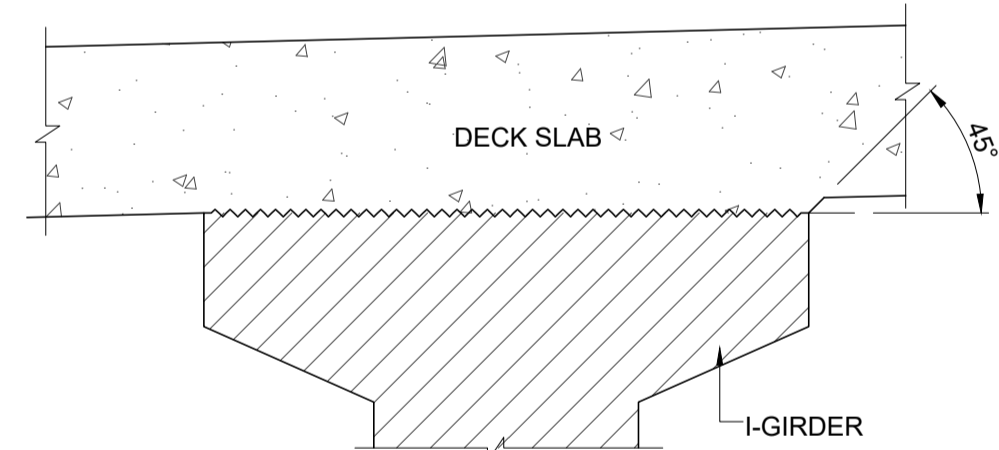
SECTION B-B
(SCALE 1:50)



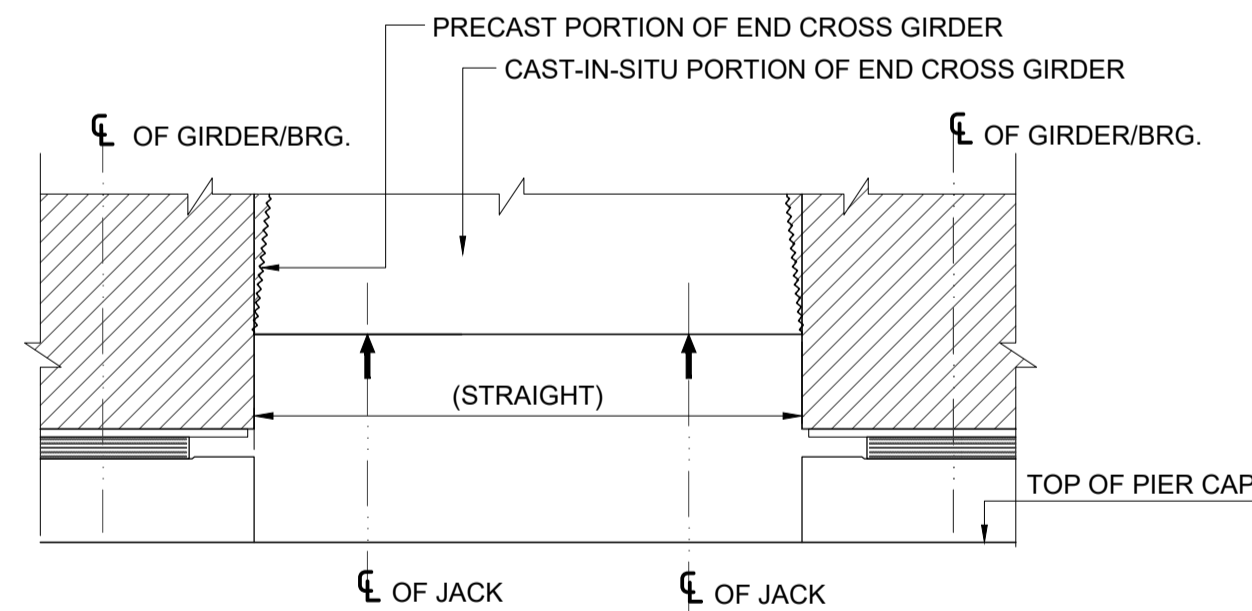
SECTION C-C
(SCALE 1:50)



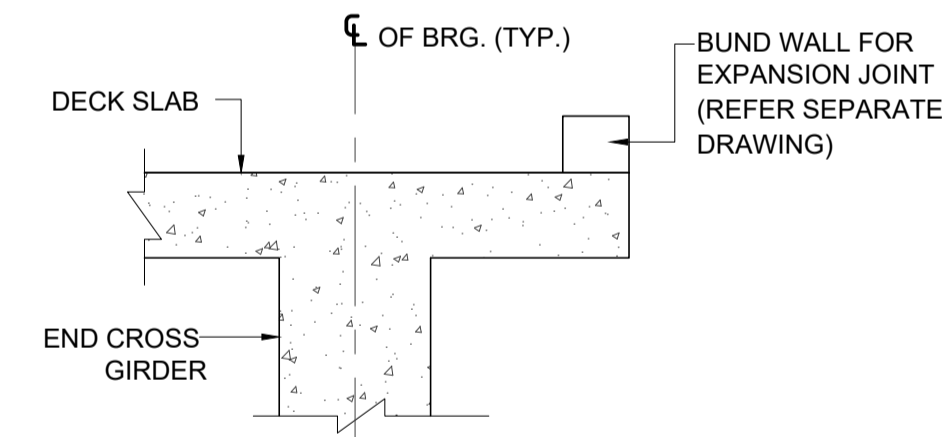
DETAIL '1'
(SCALE 1:20)



DETAIL '2'
(SCALE 1:10)



DETAIL '3'
(SCALE 1:20)



SECTION D-D
(SCALE 1:20)

NOTE:-

1. ALL DIMENSIONS ARE IN MM UNLESS SHOWN OTHERWISE.
2. TOP SURFACE OF GIRDER SHALL BE ROUGHED FOR EFFECTIVE BONDING.
3. ANY DISCREPANCIES MUST BE BROUGHT TO THE NOTICE OF THE CONSULTANT BEFORE EXECUTION OF WORK AT SITE.
4. BEAM SHALL BE KEPT UPRIGHT AT ALL TIMES AND TO BE CLEARLY MARKED INDICATING SPAN, LOCATION, AND RESPECTIVE ENDS BEFORE REMOVAL FROM CASTING BED.

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NOIDA METRO RAIL CORPORATION LTD.
Block-III, 3rd Floor, Ganga Shopping Complex, Sector-29, Noida -201301, District Gautam Budh Nagar, Uttar Pradesh, India

PROJECT: NGNECC-01: Part Design & Construction of Elevated Viaduct and 10 nos. of Elevated Stations for Extension Projects of NMRC's Aqua Line from Botanical Garden to Noida Sec-142 (from Chainage (-) 383.959 to 12130.143) and from Depot Station to Boraki MMTH (Chainage 28678.253 to 31263.482).

VIADUCT
DRAWING TITLE: TYPICAL I-GIRDER DETAILS FOR SUPERSTRUCTURE

NORTH Z	DRAWN BY: P. BISHT	CHECKED BY: D.S	VERIFIED BY: P. Kundu	APPROVED BY: P. Banerjee	NGNEDDC
	DATE: 27-03-2026	REV: R0	SCALE: NTS	STATUS: TENDER	
ORDER N° P36-0022	DRAWING NUMBER: NGNE-VID-TED-STR-10118	SHEET NO. 01 OF 02	SHEET SIZE A1		

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5. ALL DOOR/WINDOW CILL & LINTEL LEVELS ARE MEASURED FROM MAIN FLOOR FINISHED LEVELS.

REFERENCE DRAWINGS

REVISION	DESCRIPTION	DRAWING NO.

REVISIONS				
REV.	DESCRIPTION	DATE	DRAWN BY	CHECKED BY
R0	INITIAL DRAWING	27-03-2026	PB	D.S

APPROVAL OF NMRC OFFICIALS				

Certified that this document has been designed and checked in accordance with DDC Quality Assurance Plan.

Authorised Signatory for DDC. NGNEDDC Project Manager

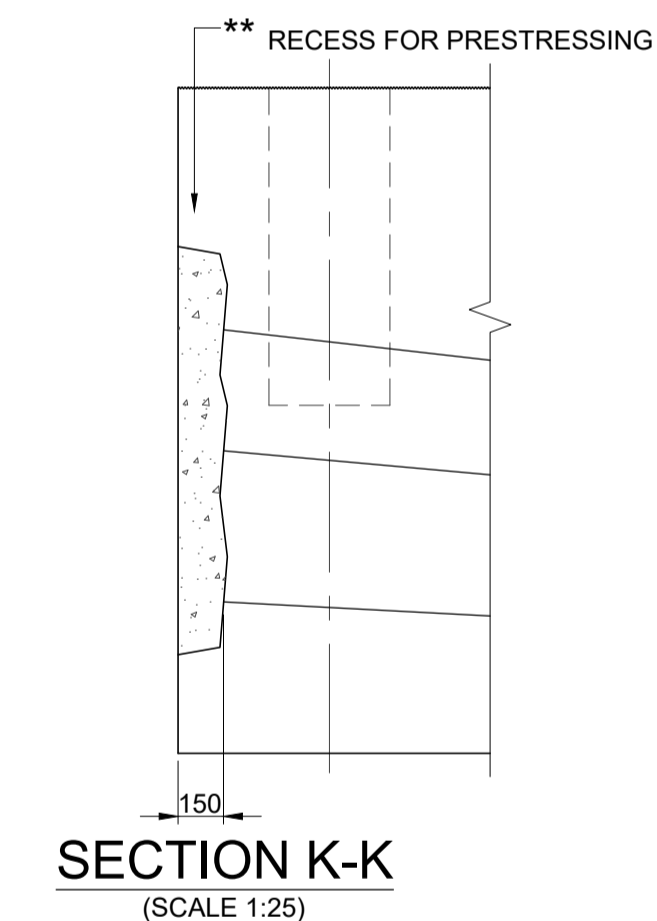
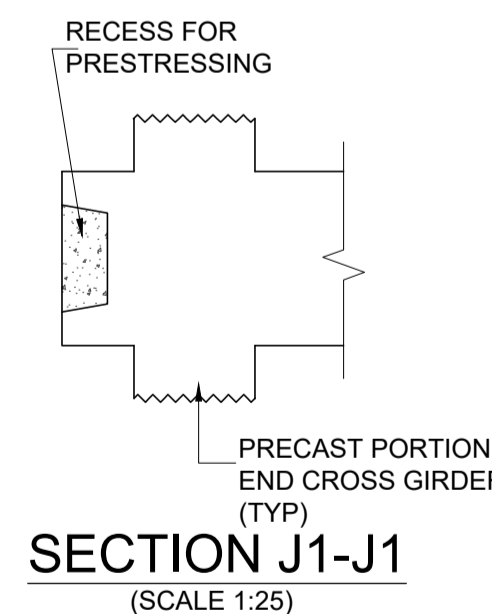
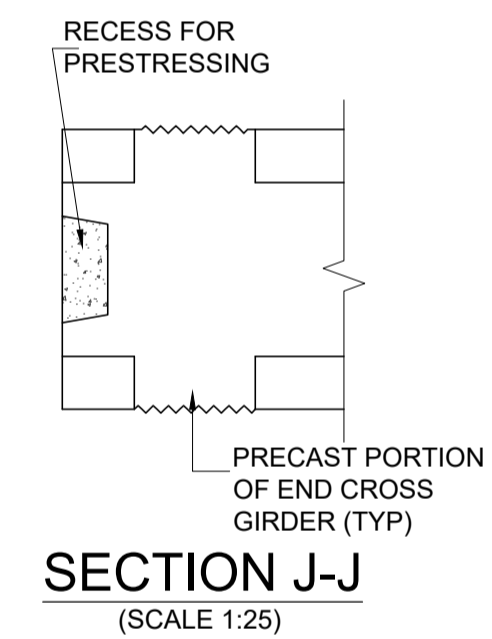
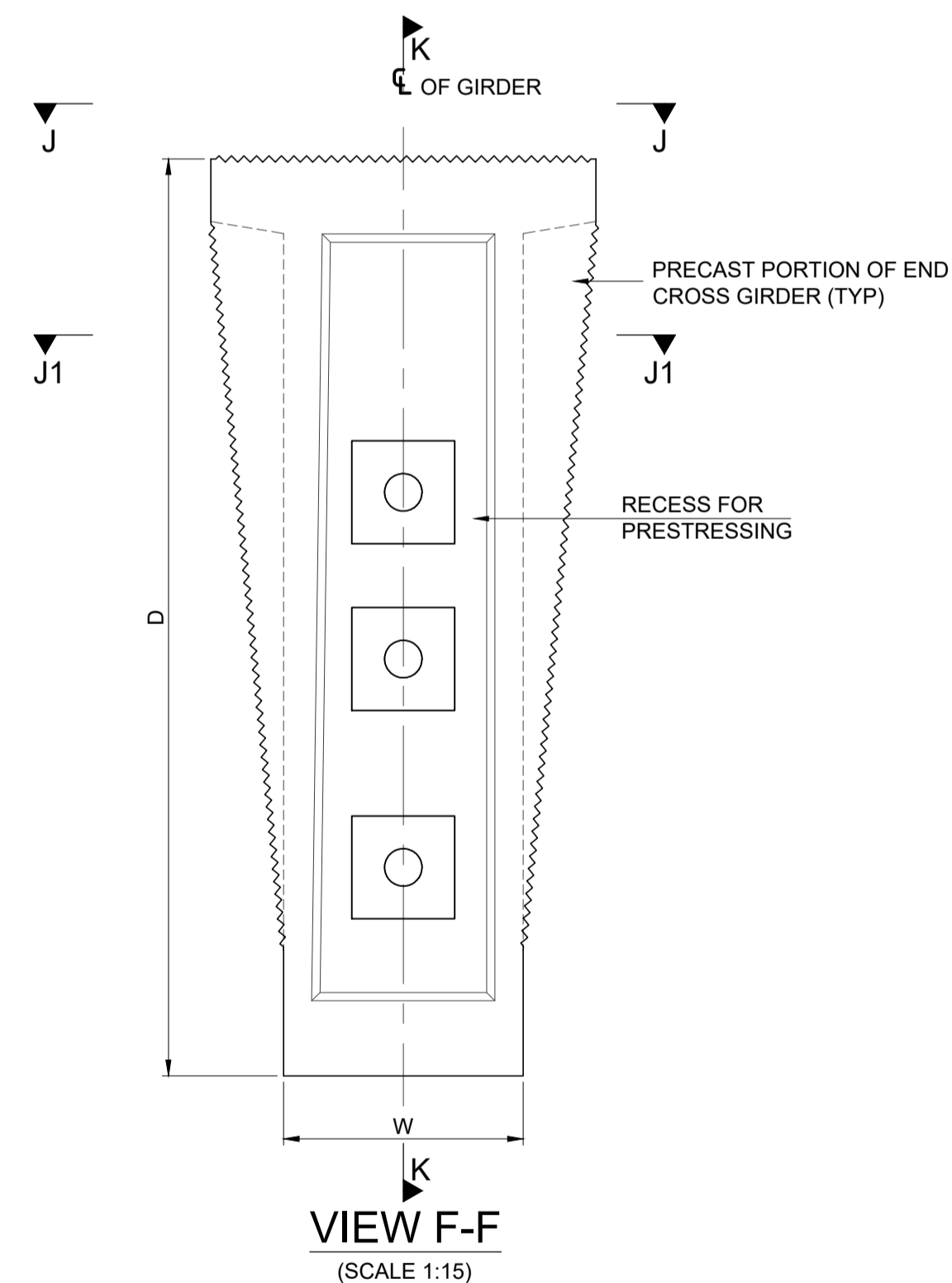
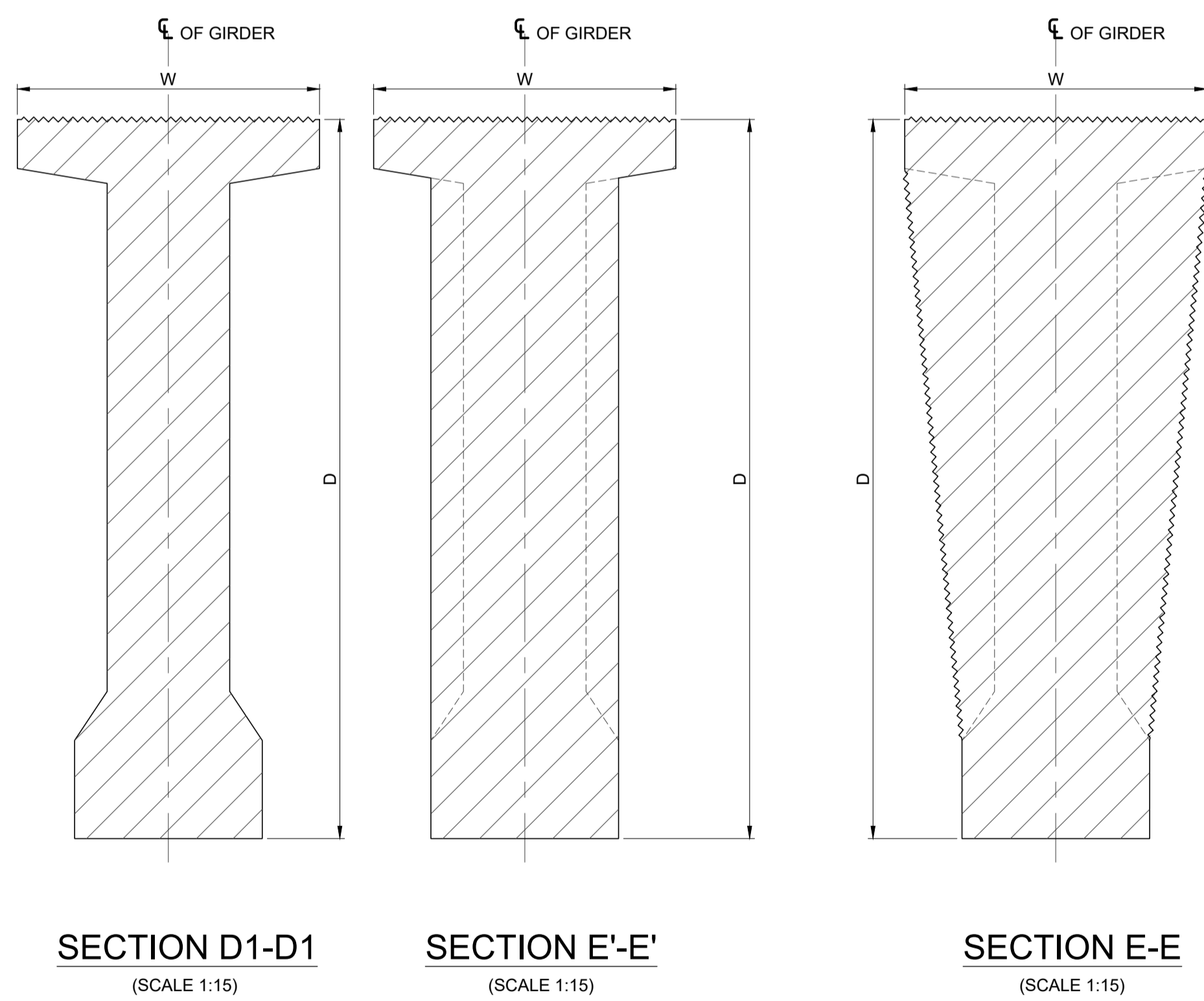
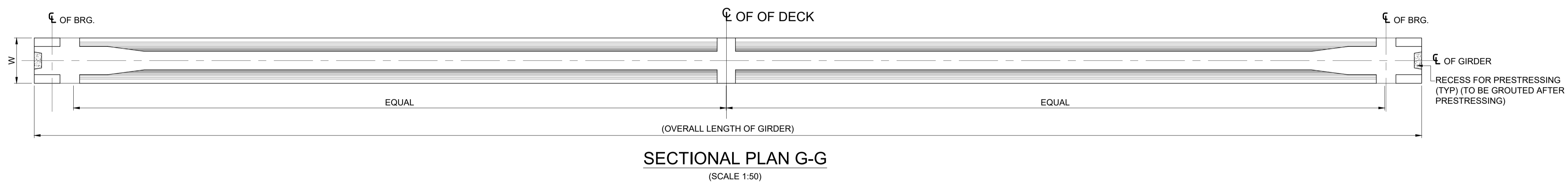
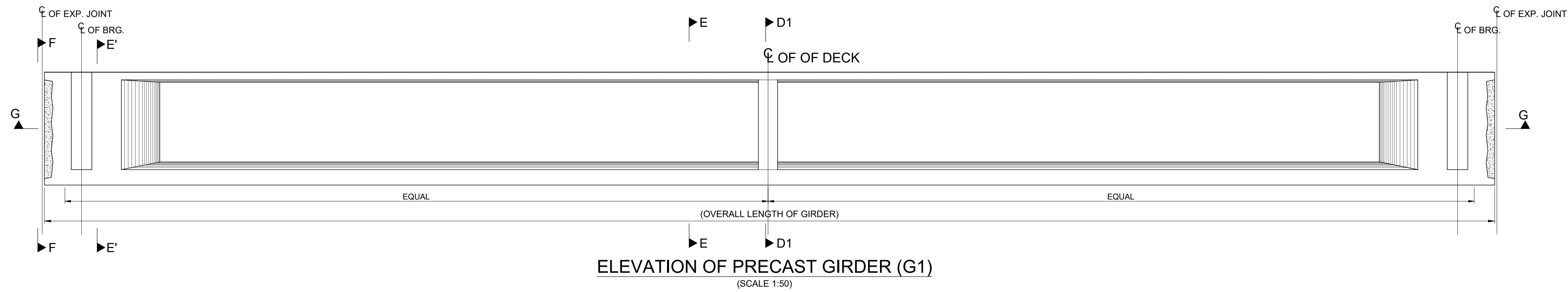
Architecture Design In-charge/ Coordinator	Structure Design In-charge/ Coordinator	E&M Design In-charge/ Coordinator
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DETAIL DESIGN CONSULTANT :

ayesa

Ayesa India Private Limited
D 99, 3rd Floor, Sector 2, Noida -201301, Gautam
Budh Nagar, Uttar Pradesh
Tel.: +(91) 120 490 8800, Email: dcdd05@ayesa.com

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ORDER N° P36-0022	DRAWING NUMBER: NGNE-VID-TED-STR-10118	SHEET NO. 02 OF 02	SHEET SIZE A1		

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REVISIONS

REV.	DESCRIPTION	DATE	DRAWN BY	CHECKED BY
R0	INITIAL DRAWING	27-03-2026	PB	D.S

APPROVAL OF NMRC OFFICIALS

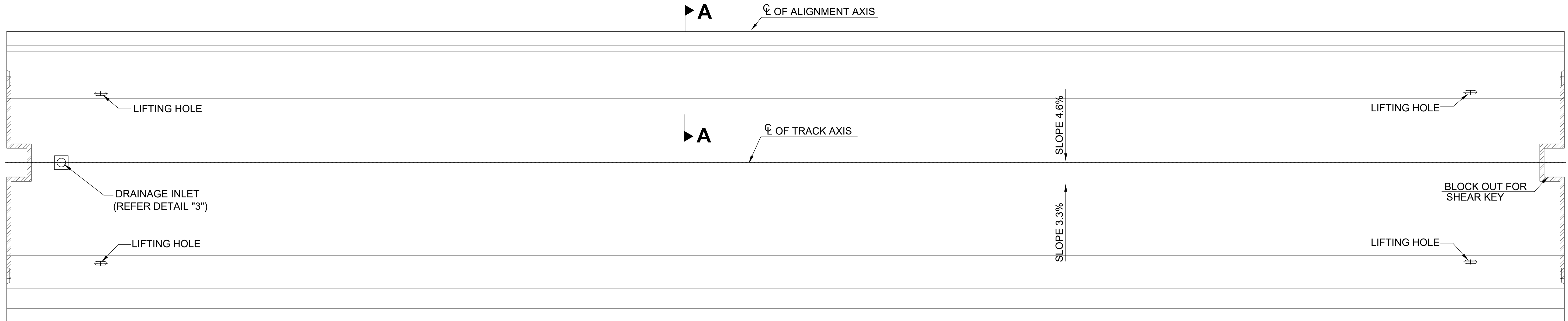
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Architecture Design In-charge/ Coordinator
Structure Design In-charge/ Coordinator
E&M Design In-charge/ Coordinator

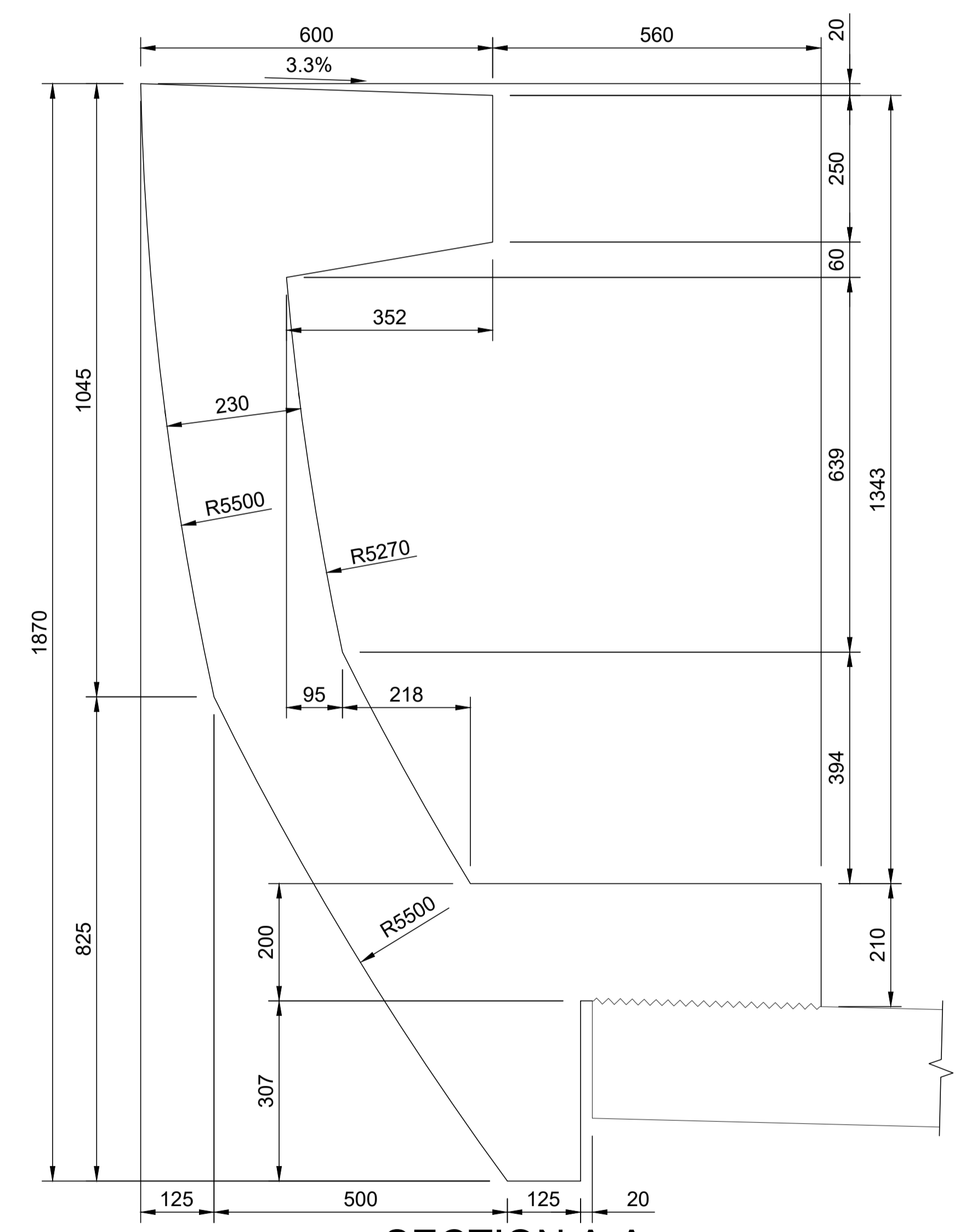
DETAIL DESIGN CONSULTANT :
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Tel.: +(91) 120 490 8800, Email: dcdd05@ayesa.com

Authorised Signatory for DDC, NGNEDDC Project Manager

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PLAN VIEW OF TYPICAL I GIRDER SPAN
SCALE : 1/50



SECTION A-A
TYPICAL PARAPET DETAIL
(SCALE : 1/10)

- NOTES**
- ALL DIMENSION ARE IN MILLIMETERS, LEVELS ARE IN METERS UNLESS OTHERWISE MENTIONED.
 - DIMENSION ARE NOT TO BE CSALED. ONLY WRITTEN DIMENSION SHALL BE FOLLOW.
 - CONCRETE SHALL BE DESIGN MIX AND HAVE MINIMUM 28 DAYS CHARACTERISTIC STRENGTH OF 55 MPa.

TENDER DRAWING

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DATE: 27-03-2026	REVISION: R0	SCALE: NTS	TENDER	STATUS:
ORDER N° P36-0022	DRAWING NUMBER: NGNE-VID-TED-STR-10119	SHEET NO. 01 OF 01	SHEET SIZE A1	NGNEDDC

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R0	INITIAL DRAWING	27-03-2026	PB	D.S

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