NOIDA METRO RAIL CORPORATION LTD.

Part of Design and Construction of elevated viaduct and 5 elevated station viz. Noida sector-122, Noida sector-123, Greater Noida sector-4, Ecotech-12, Greater Noida sector-2 Including Architectural Finishing work of stations from Chainage 0.000m to 9700m of Noida Greater Noida Metro Project.

TENDER DOCUMENTS

VOLUME NO-1

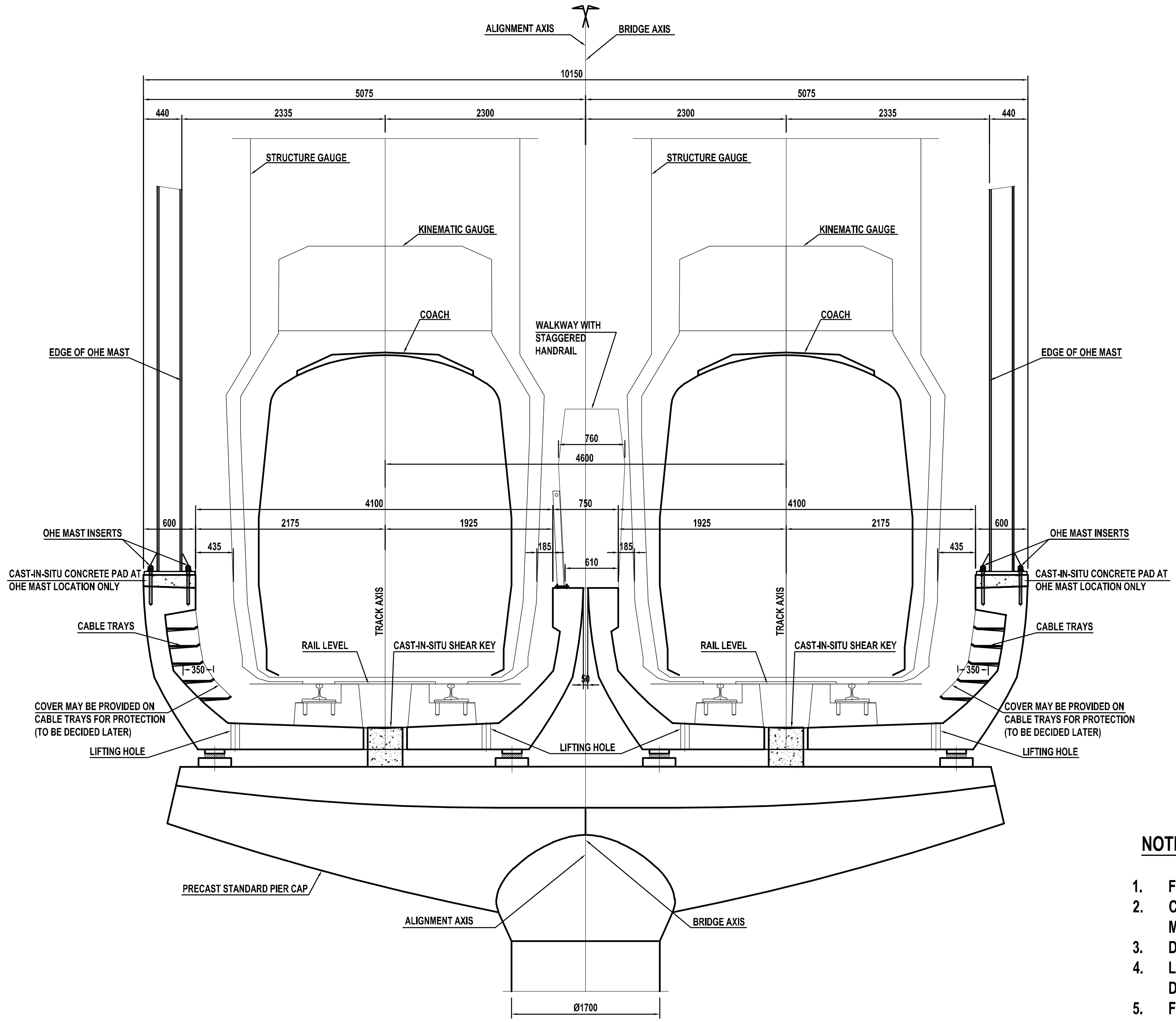
TENTATIVE TENDER DRAWINGS

Noida Metro Rail Corporation Ltd
Block-III, 3rd Floor, Ganga Shopping Complex,
Sector-29, Noida 201301

LIST OF TENDER DRAWINGS (STRUCTURAL)

PROJECT : NOIDA GREATER NOIDA CORRIDOR

S.NO	Drawings No :-	Desription
1	NMRC/Design/TD 001	Standard straight span(typical cross section)
2	NMRC/Design/TD 002	Standard straight span(plan view and elevation)
3	NMRC/Design/TD 003	Standard straight span(concrete outlines)
4	NMRC/Design/TD 004	Standard straight span(prestressing layout)
5	NMRC/Design/TD 005	Earthing Arrangment sheet 1 of 3
6	NMRC/Design/TD 006	Earthing Arrangment sheet 2 of 3
7	NMRC/Design/TD 007	Earthing Arrangment sheet 3 of 3
8	NMRC/Design/TD 008	OHE mast anchors
9	NMRC/Design/TD 009	Cable tray details
10	NMRC/Design/TD 010	Dimension & renifrcement details of Crash Barrier around piers
11	NMRC/Design/TD 011	Standard straight span Reniforcement (Plan view)
12	NMRC/Design/TD 012	Standard straight span Reniforcement (Elevations)
13	NMRC/Design/TD 013	Standard straight span Reniforcement (Cross-section A-A & A'-A')
14	NMRC/Design/TD 014	Standard straight span Reniforcement (Cross-section B-B)
15	NMRC/Design/TD 015	Standard straight span Reniforcement (Cross-section C-C)
16	NMRC/Design/TD 016	Standard straight span Reniforcement (Cross-section D-D)
17	NMRC/Design/TD 017	Standard straight span Reniforcement (Details at ends)
18	NMRC/Design/TD 018	Standard straight span Special rearrangement of rebars for lifting hole
19	NMRC/Design/TD 019	Track plinth starter bar (Applicable to type-1, type-2, type-3 & type-4 superstructure
20	NMRC/Design/TD 020	Details of Temporary barricading (1m height)
21	NMRC/Design/TD 021	Details of Temporary barricading (2m height)



SECTION AT PIER

SCALE : 1/25

NOTES:

1. FOR GENERAL NOTES REFER TO SEPARATE DRAWING NO. BFC-F-SG-TYPI-3001 TO 3002.
2. CONCRETE SHALL BE DESIGN MIX AND HAVE MINIMUM 28 DAYS CHARACTERISTIC STRENGTH OF 55 MPa ON 150mm CUBES.
3. DRAWING APPLICABLE FOR TYPICAL 27M SPAN (CL TO CL OF PIER) IN PLAN STRAIGHT ALIGNMENT.
4. LIFTING HOLE LOCATIONS AND NUMBERS MAY BE CHANGED BUT SHOULD BE APPROVED BY THE DDC. LIFTING HOLES SHOULD BE GROUTED AFTER LIFTING.
5. FOR DETAILS OF OHE MAST ANCHORS REFER DRAWING NO. BFC-F-SG-TYPI-14100 TO 14102.
6. FOR DETAIL OF INSERTS FOR CABLE TRAY & COVER REFER DRAWING NO. BFC-F-SG-TYPI-14300.
7. FOR TRACK PLINTH STATER BARS REFER DRAWING NO.BFC-F-SG-TYPI-14150.
8. FOR DRAINAGE REFER DRAWING NO. BFC-F-SG-TYPI-11601 TO 11604.
9. FOR EARTHING DETAILS REFER DRAWING NO. BFC-F-SG-TYPI-14001 TO 14003.
10. FOR DETAILS OF INSERTS FOR HAND RAIL REFER DRAWING NO. BFC-F-SG-TYPI-14200 TO 14201.
11. FOR BEARING & PEDESTAL DETAILS REFER DRAWING NO. BFC-F-SG-TYPI-11801 TO 11802.

GENERAL NOTES:

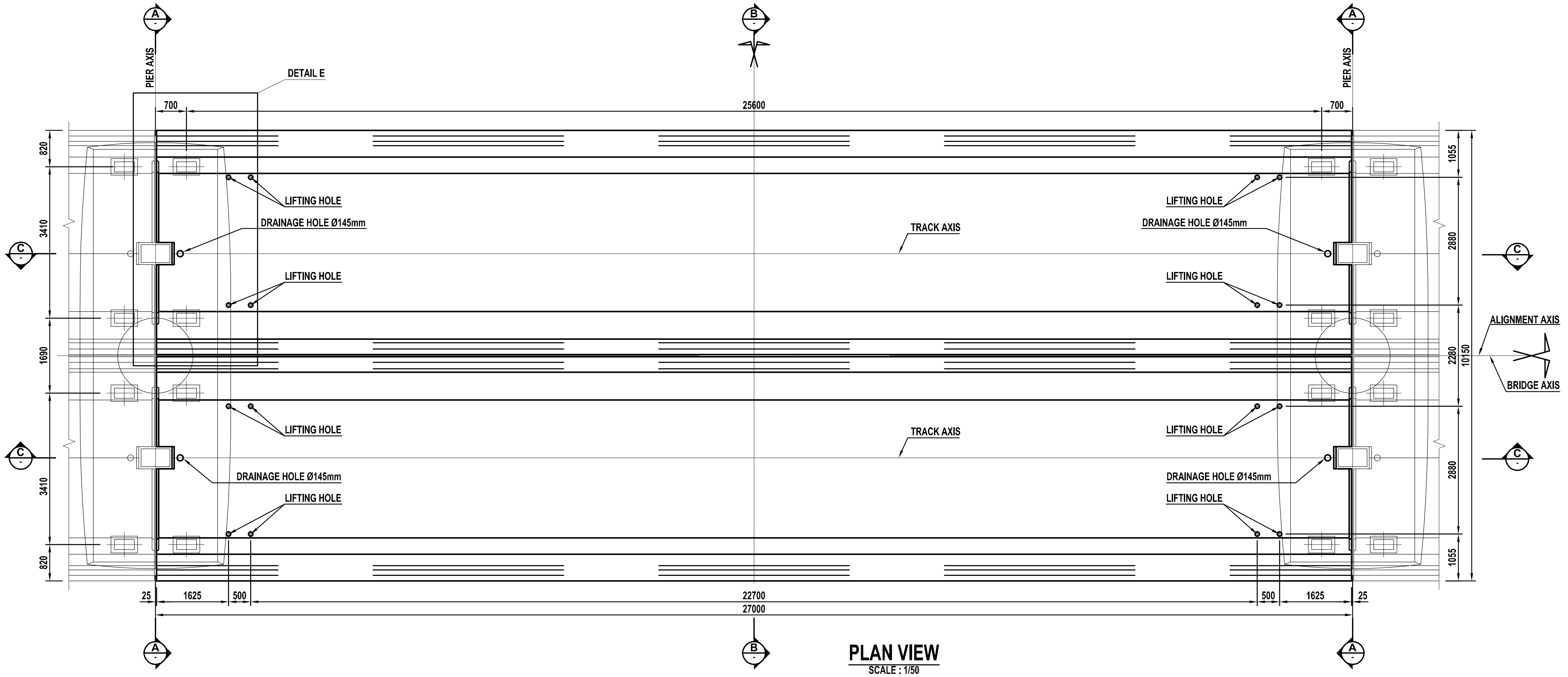
1. ALL DIMENSIONS ARE IN MILLIMETERS.
2. ALL DIMENSIONS ARE TO BE READ AND NOT MEASURED.
3. THIS DRAWING MUST BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL, STRUCTURAL, PLUMBING & FIRE FIGHTING, ELECTRICAL AND TRAFFIC MANAGEMENT DRAWINGS.
4. ANY DISCREPANCIES MUST BE BROUGHT TO THE NOTICE OF THE CONSULTANT.

NOTE :-

TENTATIVE TENDER DRAWINGS

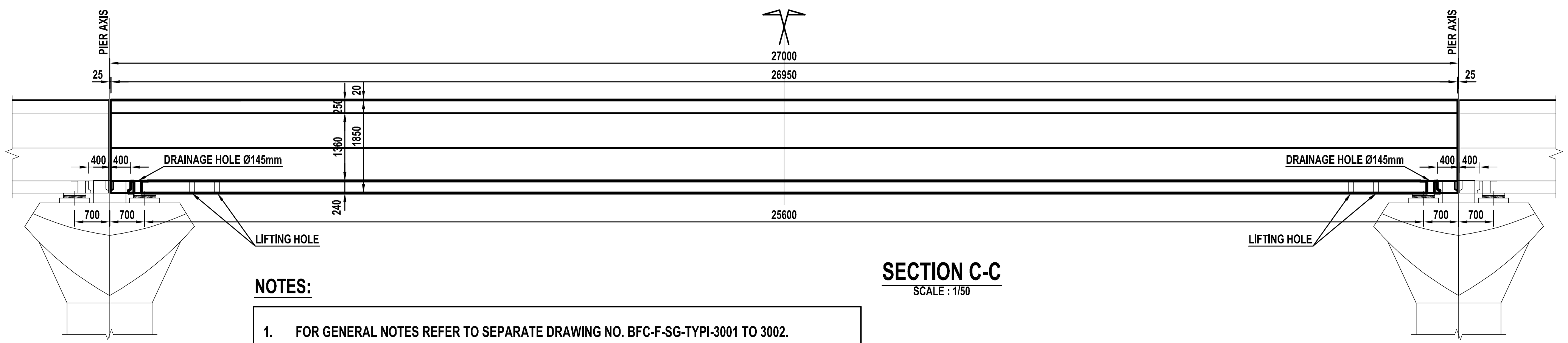
NOIDA METRO RAIL CORPORATION LTD.

DWG.	Standard straight span(typical cross section)	
NMRC/Design/TD 001	R-0	TENDER DRAWINGS



PLAN VIEW

SCALE : 1/50



SECTION C-C

SCALE : 1/50

NOTES:

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6. FOR DETAIL OF INSERTS FOR CABLE TRAY & COVER REFER DRAWING NO. BFC-F-SG-TYPI-14300.
7. FOR TRACK PLINTH STATER BARS REFER DRAWING NO.BFC-F-SG-TYPI-14150.
8. FOR DRAINAGE REFER DRAWING NO. BFC-F-SG-TYPI-11601 TO 11604.
9. FOR EARTHING DETAILS REFER DRAWING NO. BFC-F-SG-TYPI-14001 TO 14003.
10. FOR DETAILS OF INSERTS FOR HAND RAIL REFER DRAWING NO. BFC-F-SG-TYPI-14200 TO 14201.
11. FOR BEARING & PEDESTAL DETAILS REFER DRAWING NO. BFC-F-SG-TYPI-11801 TO 11802.

GENERAL NOTES:

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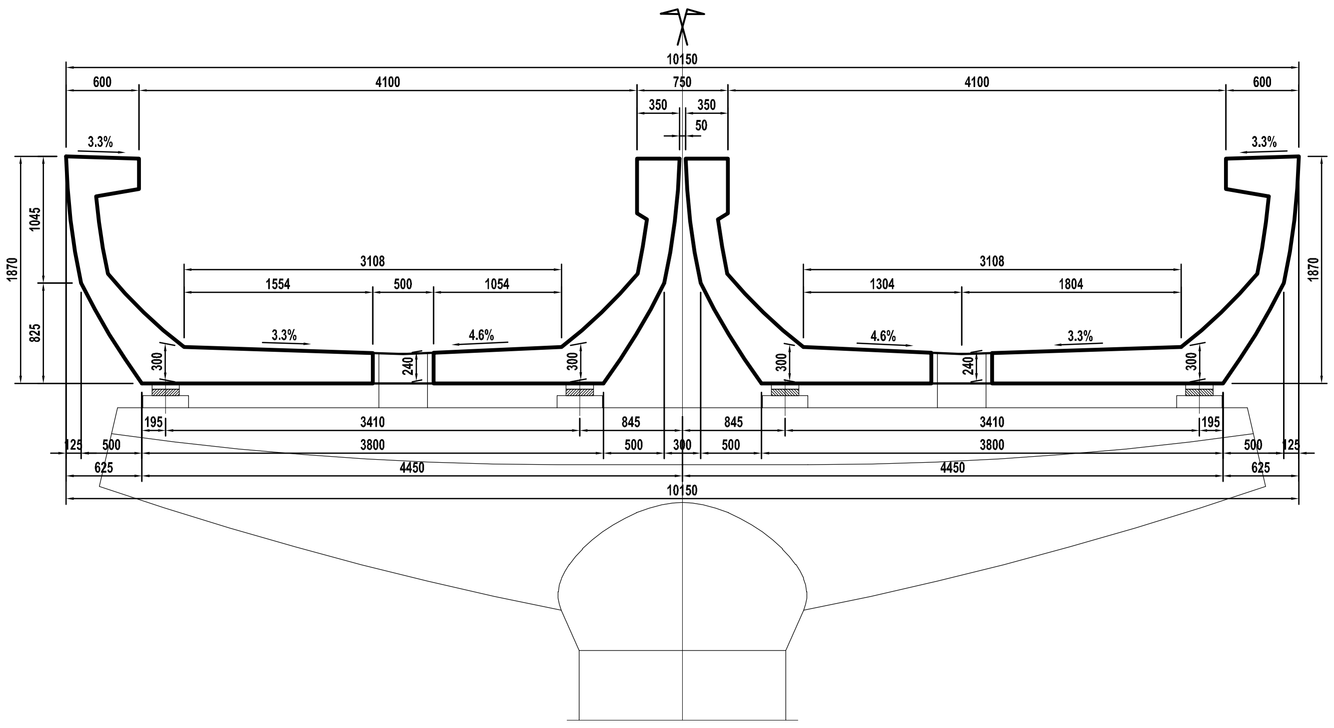
NOTE :-

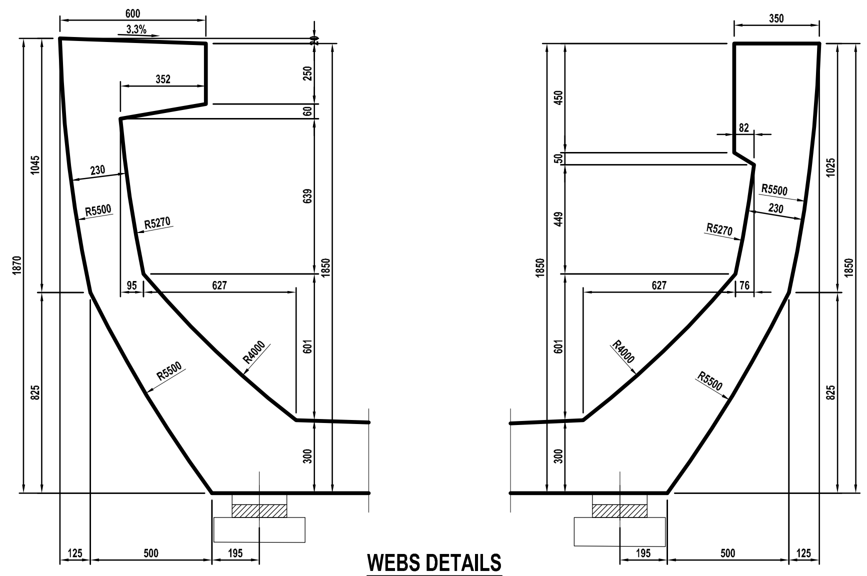
TENTATIVE TENDER DRAWINGS

NOIDA METRO RAIL CORPORATION LTD.	
DWG.	Standard straight span(plan view and elevation)
NMRC/Design/TD 002	R-0
TENDER DRAWINGS	



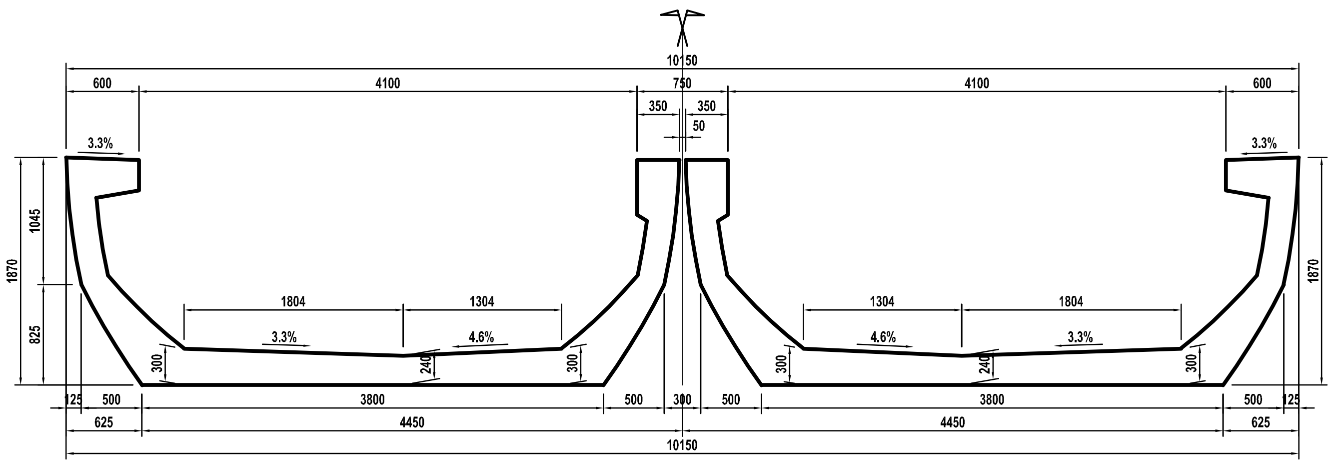
SECTION A-A (AT PIER LOCATION)

SCALE : 1/25



WEBS DETAILS

SCALE : 1/10



SECTION B-B (AT MID SPAN)

SCALE : 1/25

NOTES:

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7. FOR TRACK PLINTH STATER BARS REFER DRAWING NO.BFC-F-SG-TYPI-14150.
8. FOR DRAINAGE REFER DRAWING NO. BFC-F-SG-TYPI-11601 TO 11604.
9. FOR EARTHING DETAILS REFER DRAWING NO. BFC-F-SG-TYPI-14001 TO 14003.
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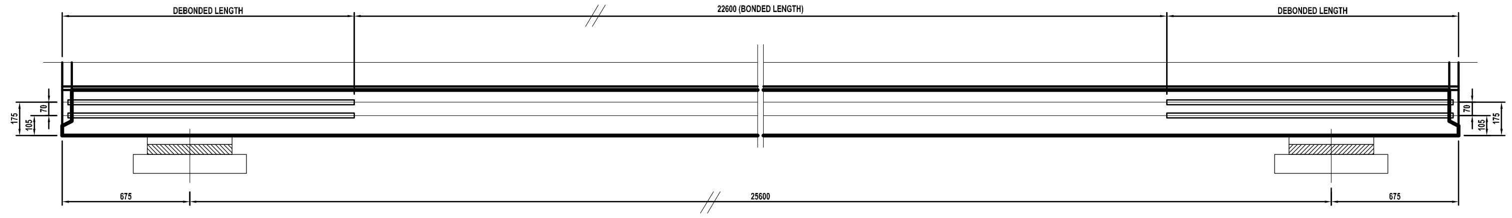
NOTE :-

TENTATIVE TENDER DRAWINGS

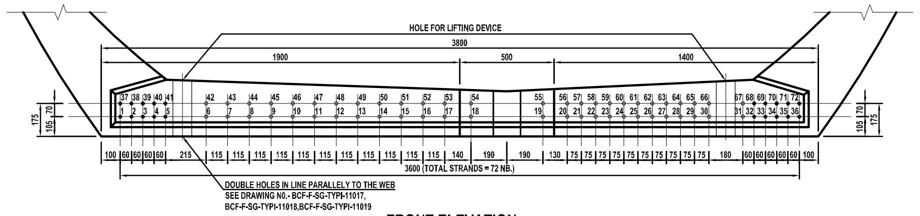
NOIDA METRO RAIL CORPORATION LTD.

DWG.	Standard straight span(concrete outlines)

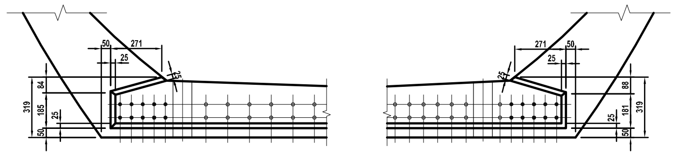
NMRC/Design/TD 003	R-0	TENDER DRAWINGS



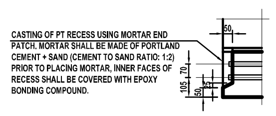
LONGITUDINAL SECTION
SCALE : 1/10

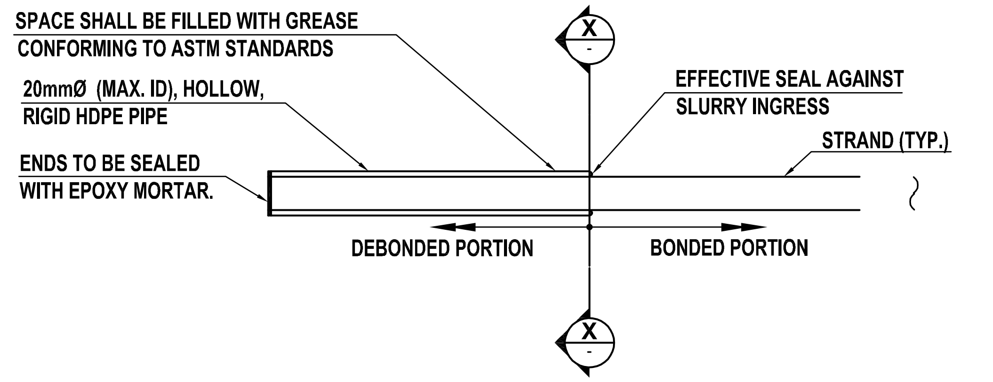


FRONT ELEVATION
SCALE : 1/10



RECESS FOR STRANDS PRESTRESSING
SCALE : 1/10

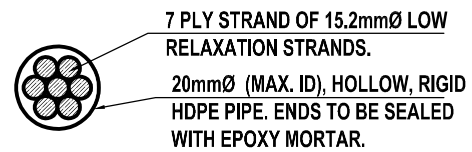




TYPICAL DETAIL OF DEBONDED STRAND

LEGEND:

- ● NON-DEBONDED STRANDS
- ○ DEBONDED STRAND AT ENDS



SECTION X-X
SCALE : 1/25

NOTES:

1. FOR GENERAL NOTES REFER TO SEPARATE DRAWINGS NO. BFC-F-SG-TYPI-3001 TO 3002.
2. PRESTRESSING ARRANGEMENT SHOWN IN THIS DRAWING IS APPLICABLE FOR 27m TYPICAL SPAN WITH RADIUS ≥ 10000m & STRAIGHT.
3. MIN. CONCRETE STRENGTH AT TRANSFER TO BE 30 MPa. RELEASE OF STRANDS AT TRANSFER TO BE DONE IN GRADUAL, CONTROLLED, MANNER UNIFORMLY THROUGH OUT THE CROSS-SECTION OF GIRDER.
4. MIN. AGE OF CONCRETE AT TRANSFER IS 3 DAYS.
5. PRESTRESSING STEEL- UNCOATED STRESS RELIEVED LOW RELAXATION STEEL CONFORMING TO IS: 14268, CLASS-II SHALL BE USED. NOMINAL DIA SHALL BE 15.2mm.
6. THE DEBONDING TUBES SHALL BE 20mm. DIA (MAX. ID), HOLLOW, RIGID HDPE PIPE OF 1mm THICKNESS. THE END OF DEBONDING TUBE SHALL BE ALSO SEALED.
7. THE JACKING FORCE IN EACH STRAND SHALL BE 199.20 KN.
8. FOLLOWING PROPERTIES HAVE BEEN CONSIDERED IN THE DESIGN :-
   a. AREA OF STRAND = 140 mm^2
   b. MODULES OF ELASTICITY OF STRAND OF STEEL = 1.95 x 10^5 Mpa.

BONDING / DEBONDING SCHEDULE FOR SECTION

STRAND NOS.	TOTAL NO. OF STRANDS	BONDED Length (mm.)	L= OVERALL LENGTH OF SECTION = 26950mm.
1,2,3,4,5,32,33,34,35,36, 37,38, 39,40,41,68,69,70,71,72	20	FULL LENGTH BONDED	
6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25, 26,27,28,29,30,31,42,43,44,45,46,47,48,49,50,51,52, 53,54,55,56,57,58,59,60,61,62,63,64,65,66,67	52	22600	FACE OF THE SECTION; 11300; 11300; ℄ OF SPAN; DEBONDED; DEBONDED; FACE OF THE SECTION

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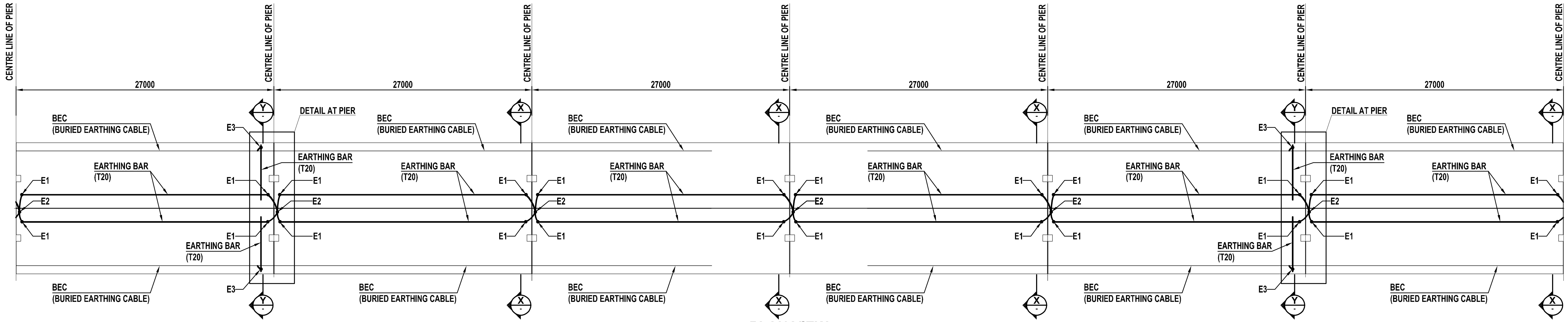
NOTE :-

TENTATIVE TENDER DRAWINGS

NOIDA METRO RAIL CORPORATION LTD.

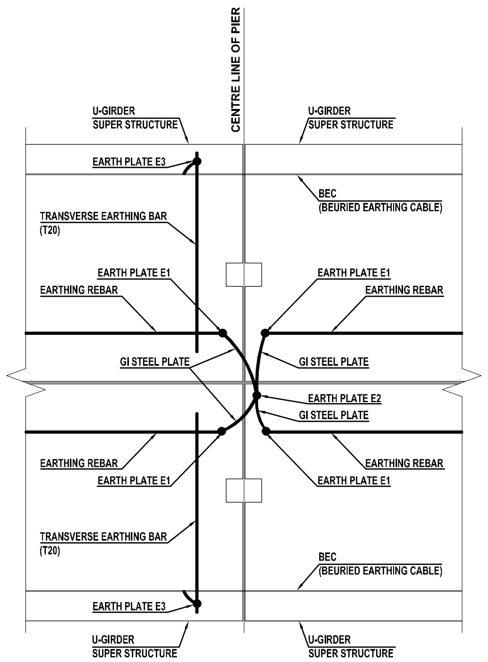
DWG.	Standard straight span(prestressing layout)	
NMRC/Design/TD 004	R-0	TENDER DRAWINGS



EARTH PLATE E1 : CONNECTING U-BEAM 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).

PLAN VIEW

SCALE : 1/150



DETAIL AT PIER

SCALE : 1/50

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 27m 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.

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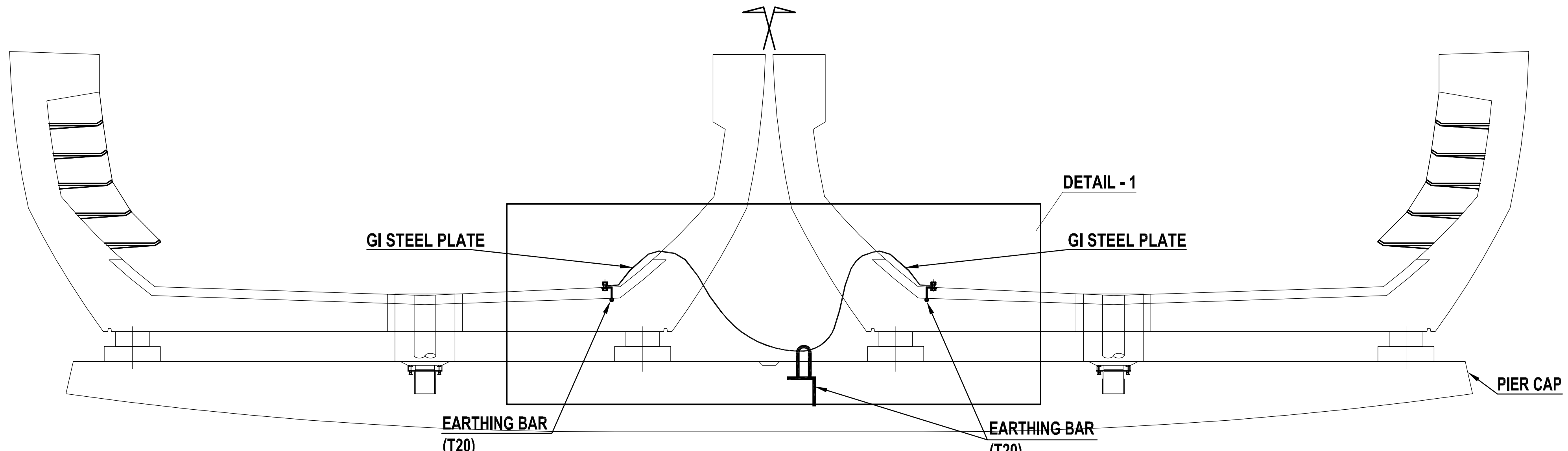
NOTE :-

TENTATIVE TENDER DRAWINGS

NOIDA METRO RAIL CORPORATION LTD.

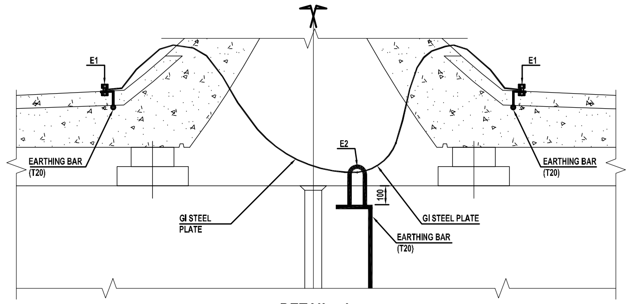
DWG.	Earthing Arrangment sheet 1 of 3	
NMRC/Design/TD 005	R-0	TENDER DRAWINGS



SECTION X-X

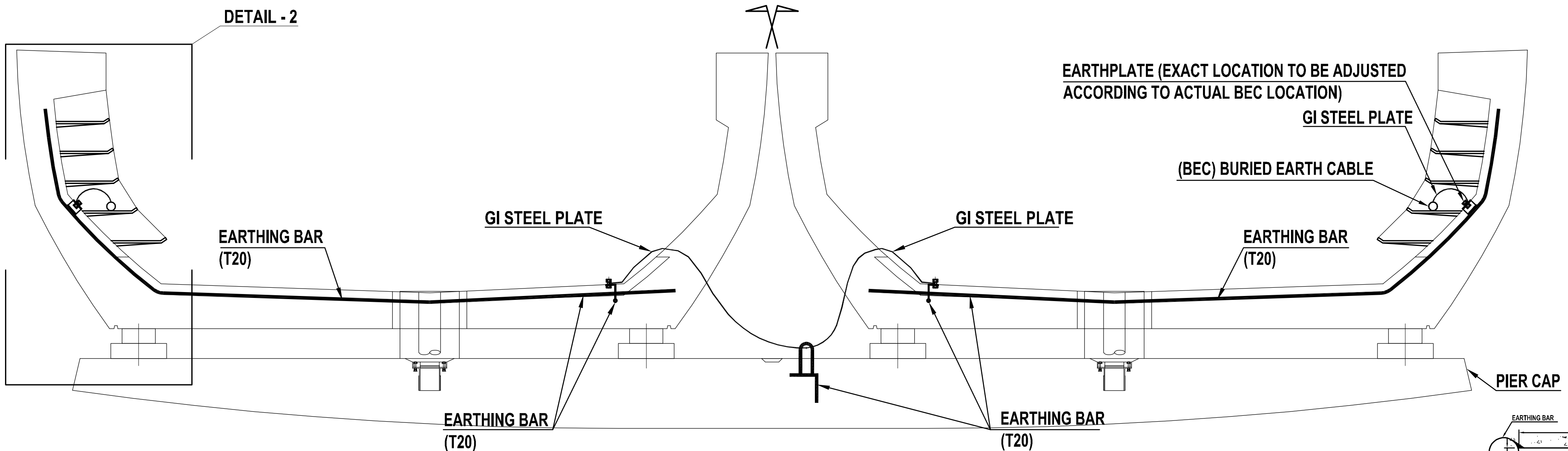
SCALE : 1/25

TYPICAL CROSS-SECTION AT PIER
(NO CONNECTION TO BEC)



DETAIL - 1

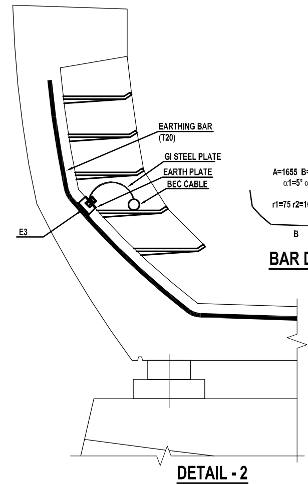
SCALE : 1/10



SECTION Y-Y

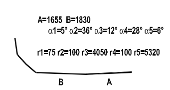
SCALE : 1/25

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

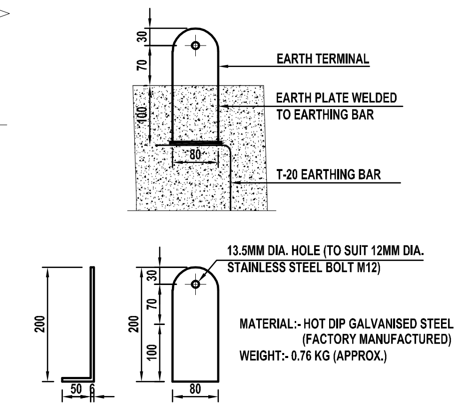


DETAIL - 2

SCALE : 1/10



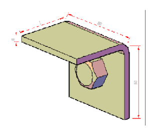
BAR DETAIL



TYPICAL EARTH TERMINAL DETAIL

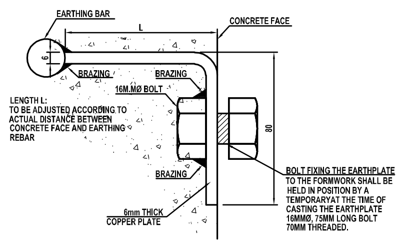
FOR CONNECTION E2

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

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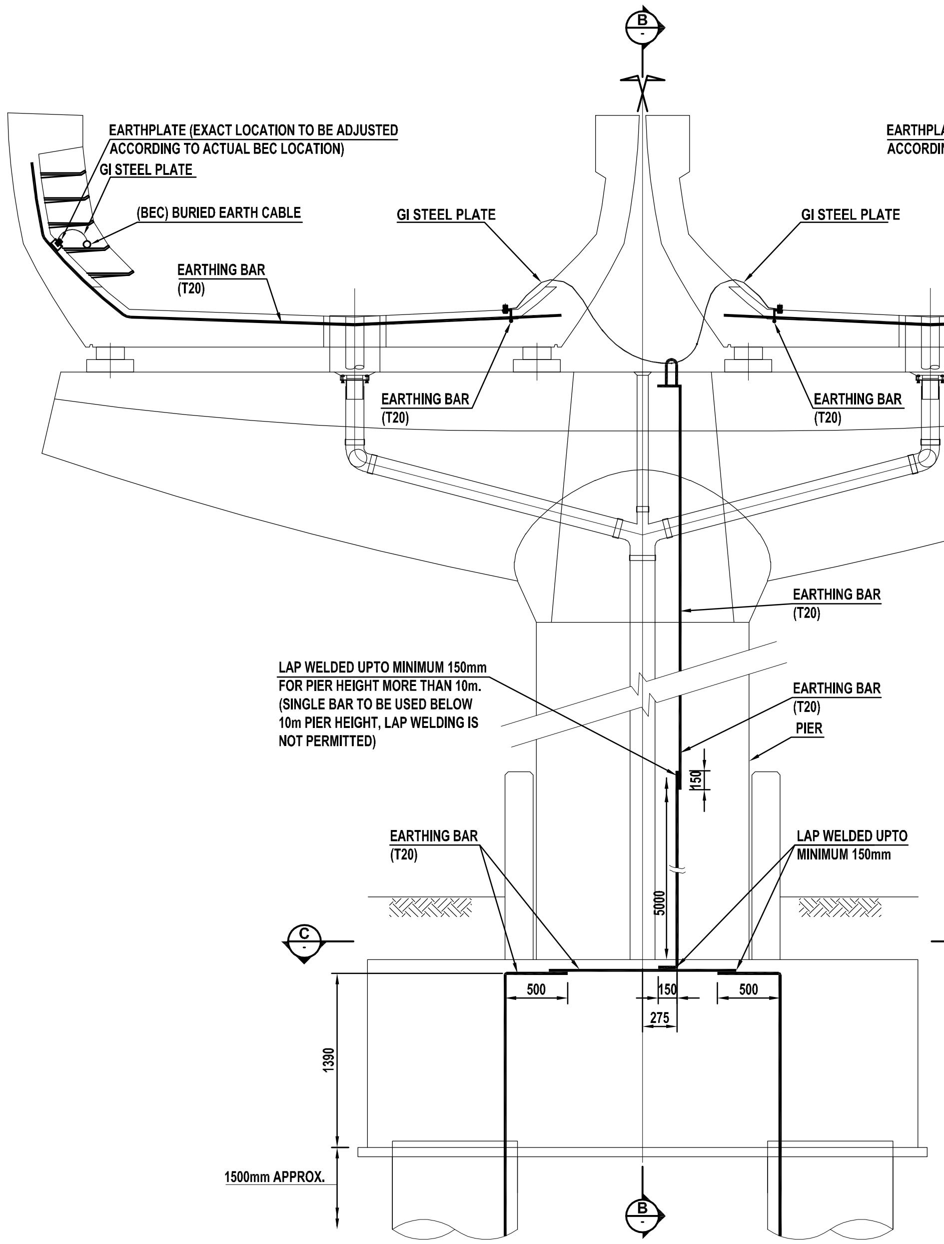
NOTE :-

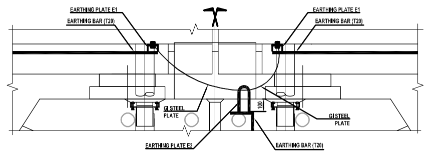
TENTATIVE TENDER DRAWINGS

NOIDA METRO RAIL CORPORATION LTD.

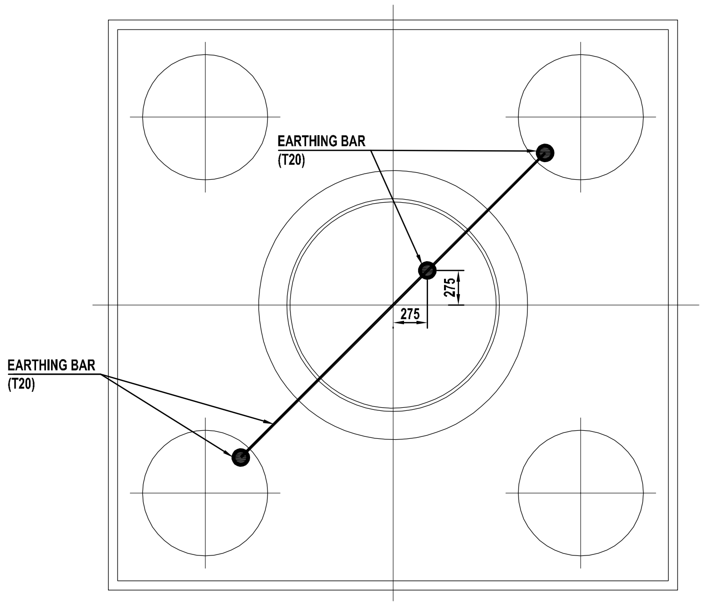
DWG.	Earthing Arrangment sheet 2 of 3	
NMRC/Design/TD 006	R-0	TENDER DRAWINGS



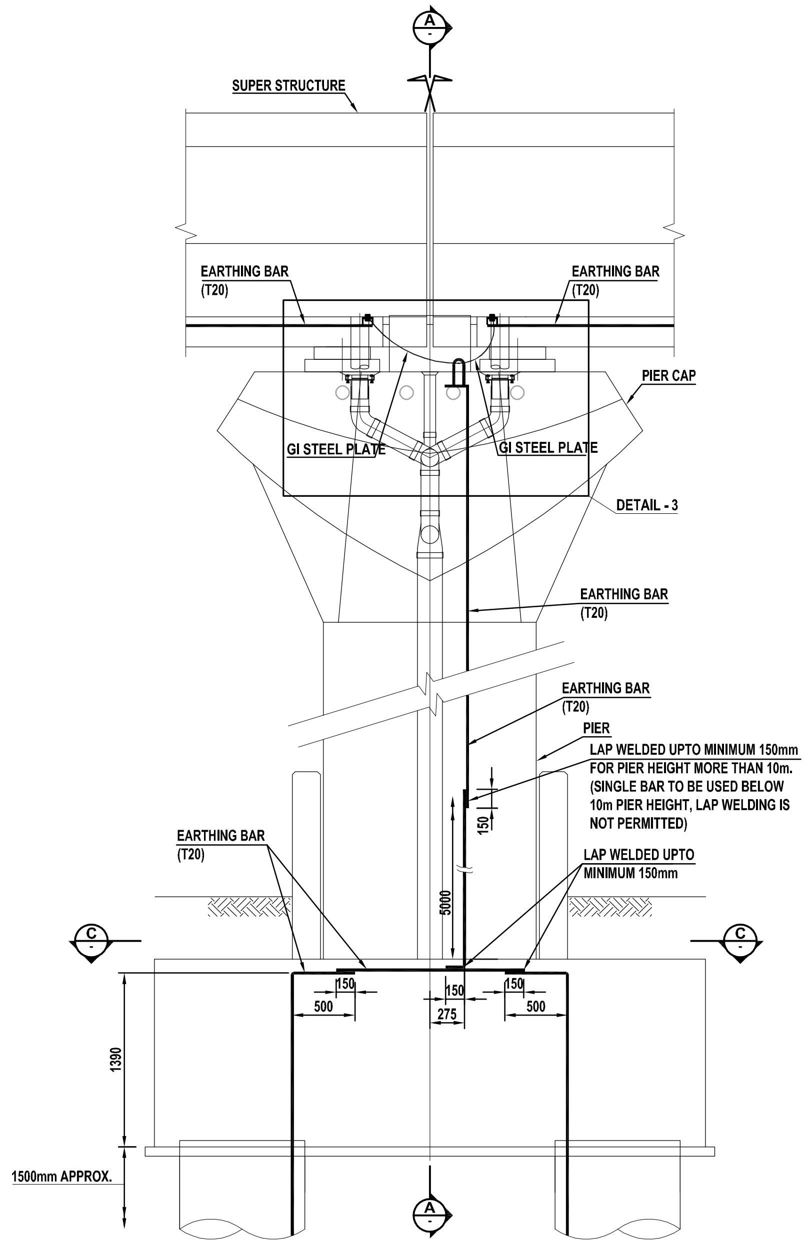
SECTION A-A
SCALE : 1/25



DETAIL - 3



SECTION C-C
SCALE : 1/25



SECTION B-B
SCALE : 1/25

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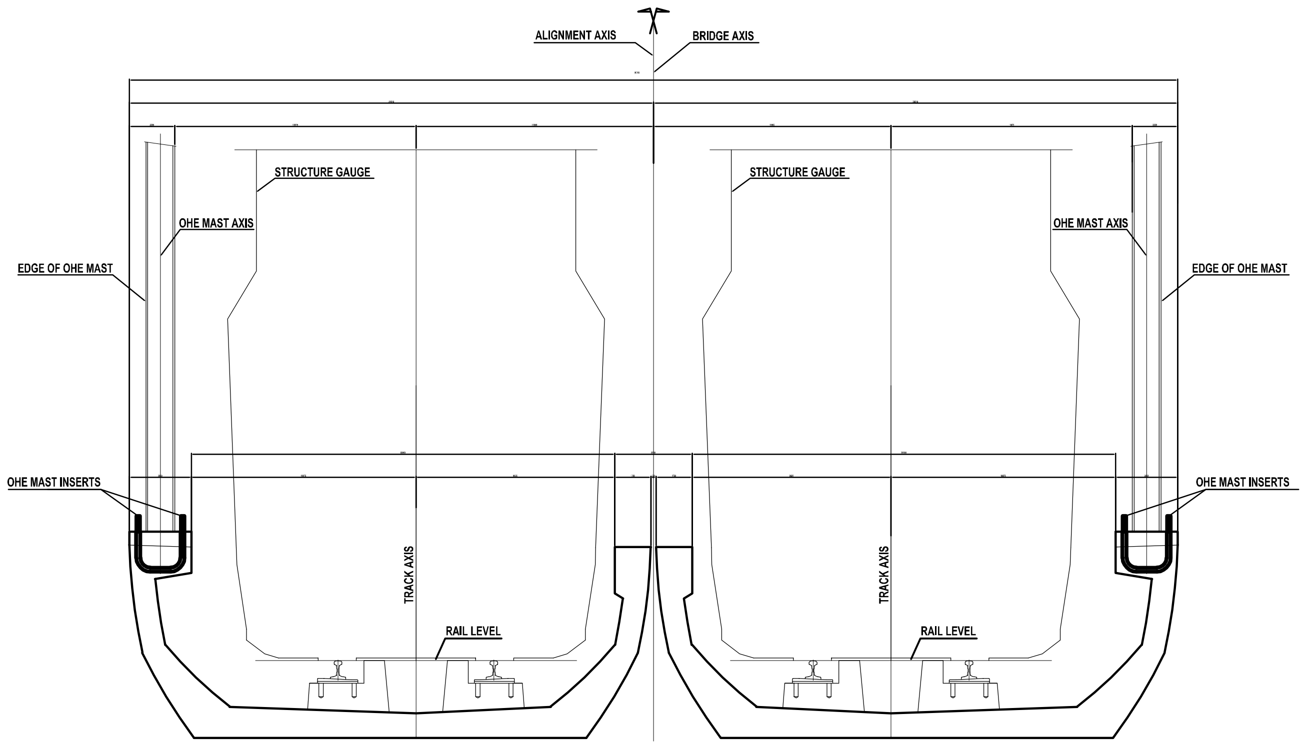
NOTE :-

TENTATIVE TENDER DRAWINGS

NOIDA METRO RAIL CORPORATION LTD.

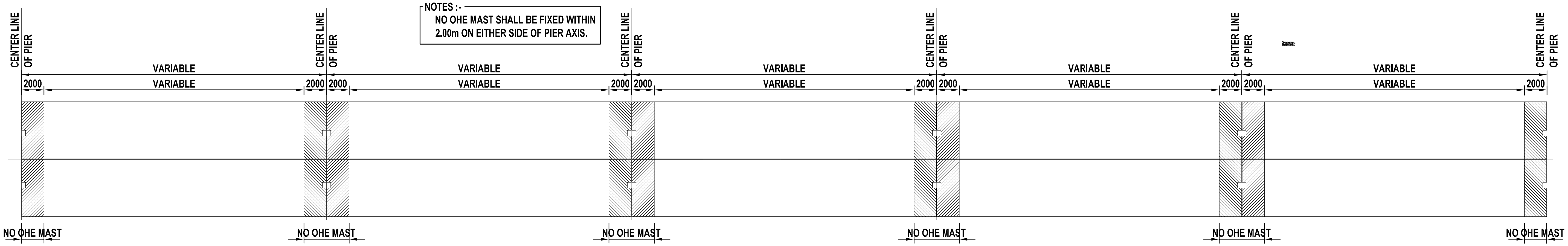
DWG.	Earthing Arrangment sheet 3 of 3	
NMRC/Design/TD 007	R-0	TENDER DRAWINGS



OHE MAST POSITION IN STRAIGHT ALIGNMENT
SCALE : 1/25

1. OHE ANCHOR BOLT ARRANGEMENT IS APPLICABLE TO ALL STANDARD STANDARD U-GIRDER SPANS.
2. 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.
3. BOLT SHALL NOT BE MADE FROM REINFORCEMENT BAR.
4. TESTING SHALL BE DONE AS PER IS: 1367 - PART 3 TO CONFIRM GRADE 8.8 / YIELD STRESS 640 HIGH TENSILE STEEL.
5. OHE MAST ANCHORS SHALL BE ACCURATELY POSITIONED AT CASTING YARD , BY USING SPECIAL DEVISE SUCH AS JIG FIXED TO LATERAL SHUTTER OF U - GIRDER FOR INSTANCE.
6. FOR LOCATION OF OHE MAST IN LONGITUDINAL DIRECTION, REFER TO OHE MAST PEGGING PLANS.
7. PEDESTAL FOR OHE MAST ANCHOR SHALL BE CAST MONOLITHICALLY IN THE SAME POUR AS U-GIRDER CONCRETE AT CASTING YARD.
8. ANY FIXTURES FOUND RUSTED SHALL BE REPLACED BY THE CONTRACTOR & SHALL BE TREATED AS REJECTED.

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



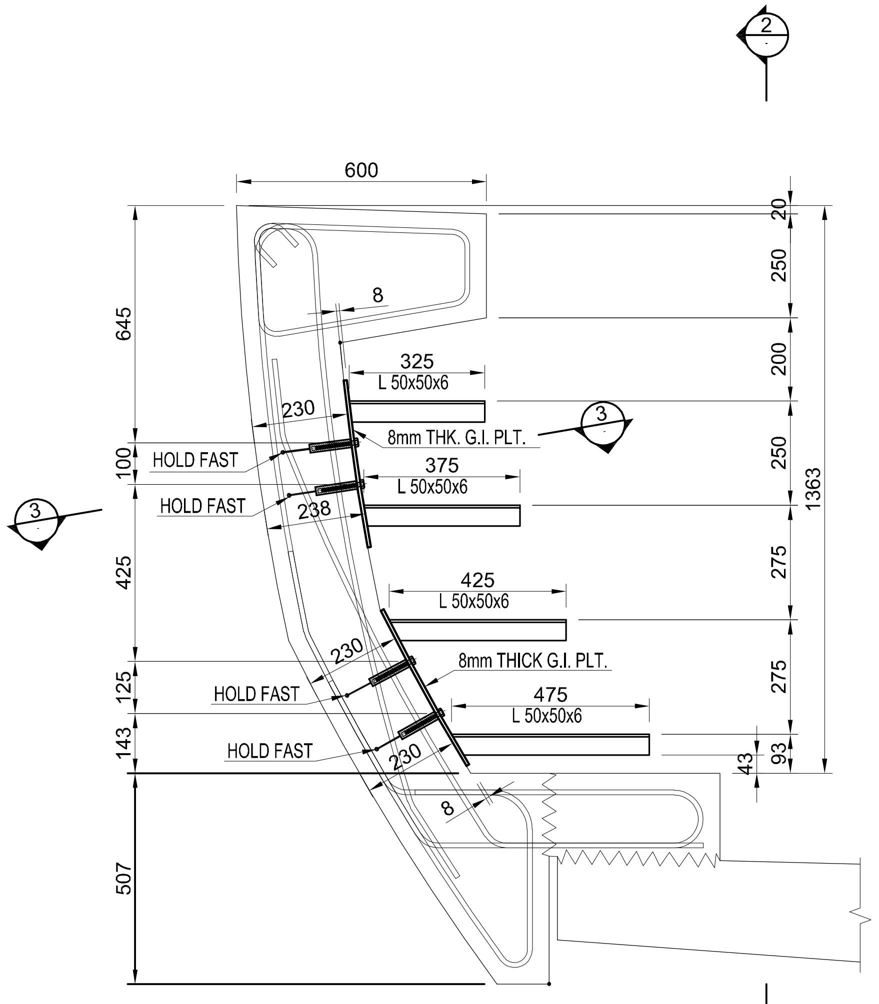
PLAN VIEW
SCALE : 1/200

GENERAL NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETERS.
2. ALL DIMENSIONS ARE TO BE READ AND NOT MEASURED.
3. THIS DRAWING MUST BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL, STRUCTURAL, PLUMBING & FIRE FIGHTING, ELECTRICAL AND TRAFFIC MANAGEMENT DRAWINGS.
4. ANY DISCREPANCIES MUST BE BROUGHT TO THE NOTICE OF THE CONSULTANT.

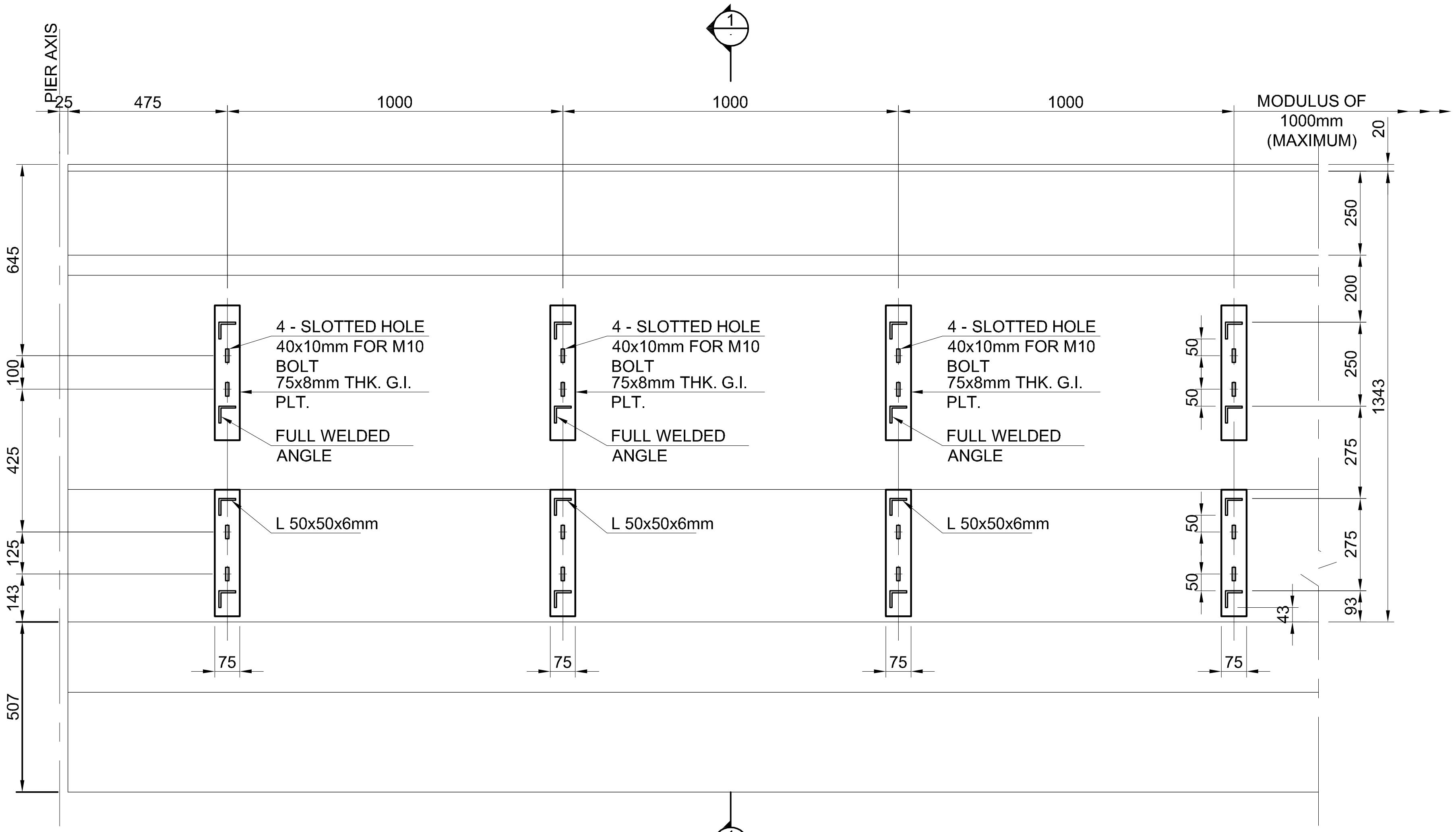
NOTE :-

TENTATIVE TENDER DRAWINGS

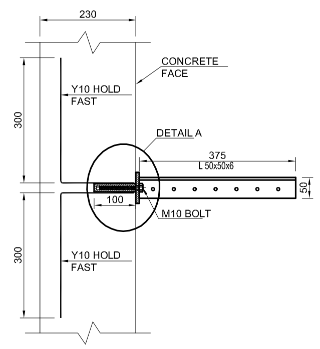
NOIDA METRO RAIL CORPORATION LTD.		
DWG. OHE mast anchors		
NMRC/Design/TD 008	R-0	TENDER DRAWINGS



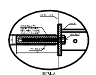
SECTION 1-1
SCALE : 1/10



ELEVATION VIEW 2-2
SCALE : 1/10



SECTION 3-3
SCALE : 1/5



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. TESTING SHALL BE DONE AS PER IS: 1367 - PART 3 TO CONFIRM GRADE 4.6 HIGH TENSILE STEEL.
3. 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.

GENERAL NOTES:

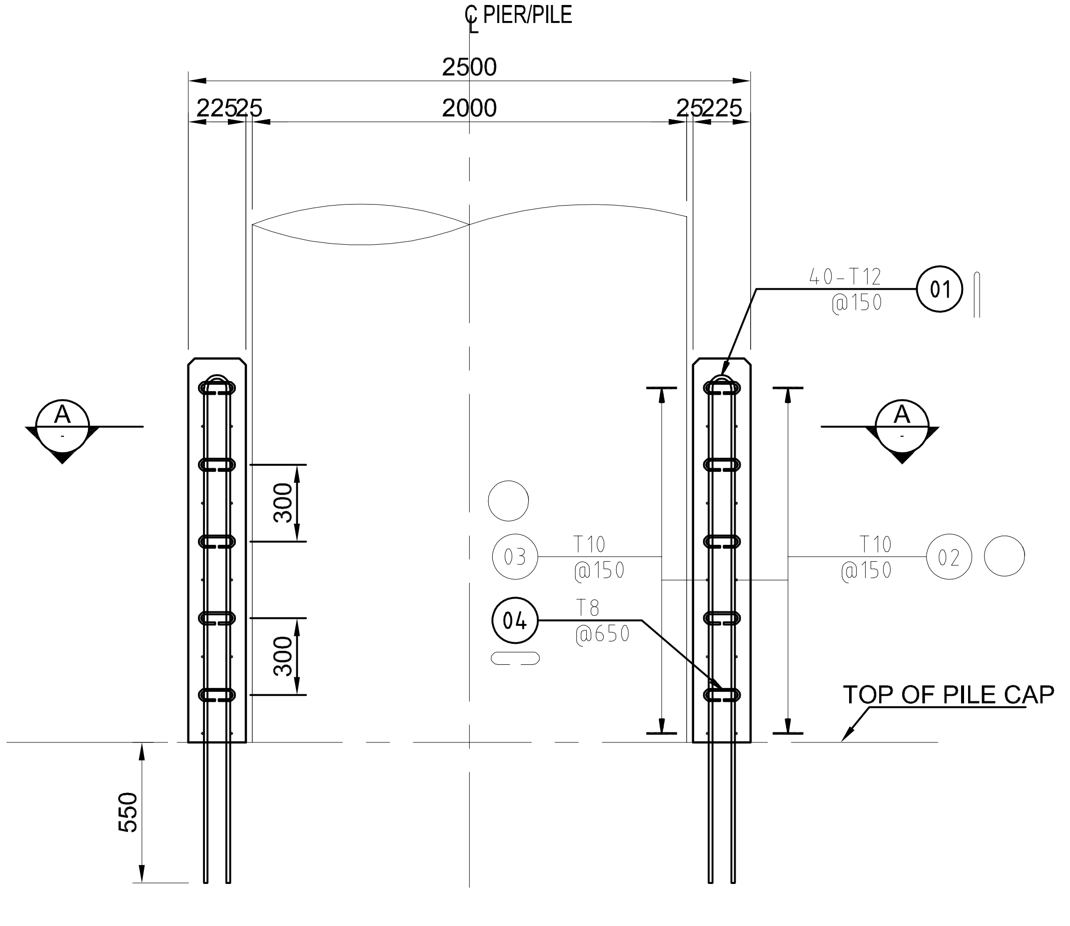
1. ALL DIMENSIONS ARE IN MILLIMETERS.
2. ALL DIMENSIONS ARE TO BE READ AND NOT MEASURED.
3. THIS DRAWING MUST BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL, STRUCTURAL, PLUMBING & FIRE FIGHTING, ELECTRICAL AND TRAFFIC MANAGEMENT DRAWINGS.
4. ANY DISCREPANCIES MUST BE BROUGHT TO THE NOTICE OF THE CONSULTANT.

NOTE :-

TENTATIVE TENDER DRAWINGS

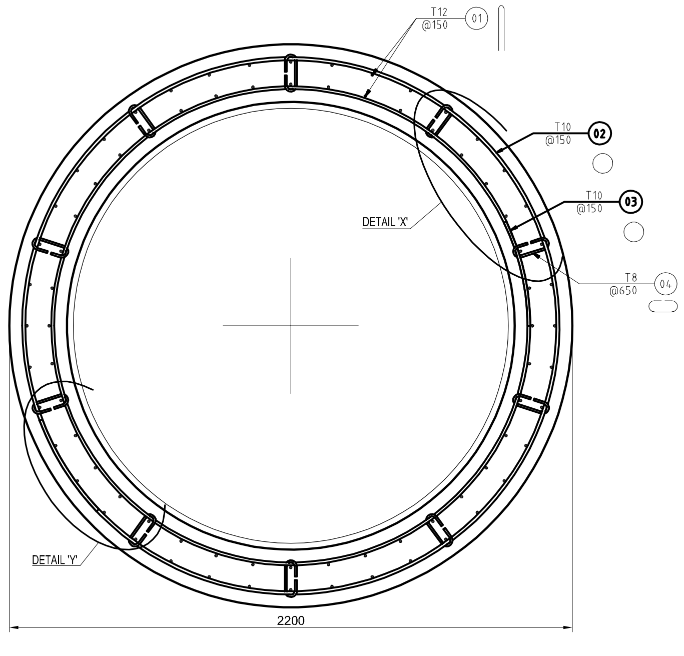
NOIDA METRO RAIL CORPORATION LTD.

DWG.	Cable tray details	
NMRC/Design/TD 009	R-0	TENDER DRAWINGS



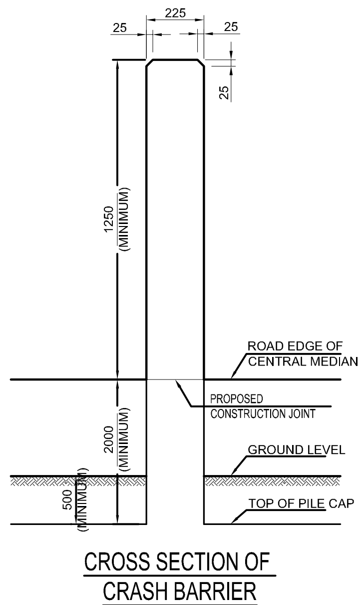
ELEVATION (CRASH BARRIER)

SCALE : 1/20



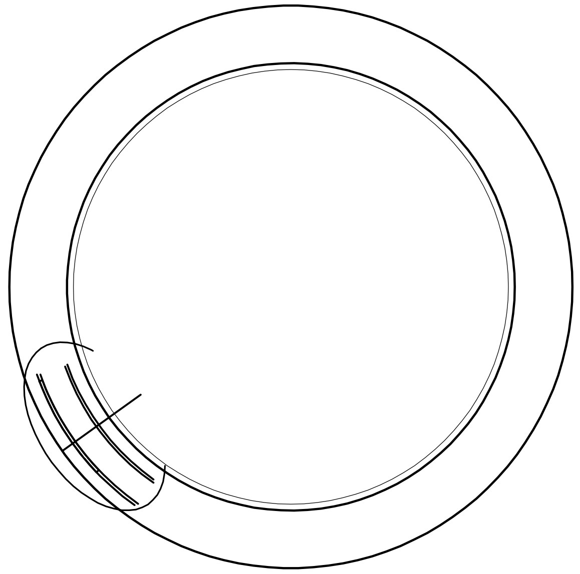
SECTION A-A

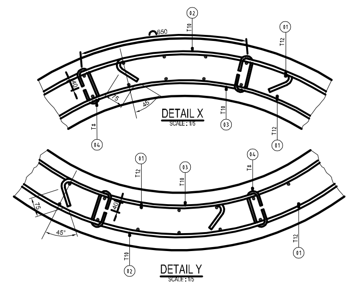
SCALE : 1/10



CROSS SECTION OF CRASH BARRIER

SCALE : 1/10





CONSTRUCTION SCHEME OF CRASH BARRIER:-

STAGE -1 BAR NO. 1 TO BE LEFT WHILE CASTING THE PILE CAP.

STAGE -2 POSITION BAR NO. 4, 3 & 2 AND CAST THE CRASH BARRIER UPTO GROUND LEVEL/FINISHED ROAD LEVEL.

STAGE -3 BACKFILL THE EXCAVATED PORTION UPTO GROUND LEVEL/FINISHED ROAD LEVEL.

STAGE -4 POSITION BAR NO. 4, 3 & 2 AND CAST THE REST OF CRASH BARRIER.

REINFORCEMENT SCHEDULE		
BAR MARK	DESCRIPTION	SHAPE
01	ØT12@150 c/c	
02	ØT10@150 c/c	
03	ØT10@150 c/c	
04	ØT8@650 c/c	

NOTES:-

1. CONCRETE GRADE M30.
2. CLEAR COVER TO ANY REINFORCEMENT 40mm.
3. FOR PIERS AROUND WHICH CRASH BARRIER HAS TO BE PROVIDED, REFER SPAN ARRANGEMENT DRAWING.
4. DRAWING APPLICABLE FOR ALL STANDARD PIER (Ø2000mm).
5. CRASH BARRIER SHOULD BE CASTED CONSIDERING PILE CAP MINIMUM 2.0M BELOW THE ROAD EDGE OF CENTRAL MEDIAN. BUT IF EXISTING GROUND LEVEL IS BELOW 2.0M FROM ROAD EDGE OF CENTRAL MEDIAN THEN, TOP OF PILE CAP SHOULD BE CASTED 0.5M BELOW EXISTING GROUND LEVEL.

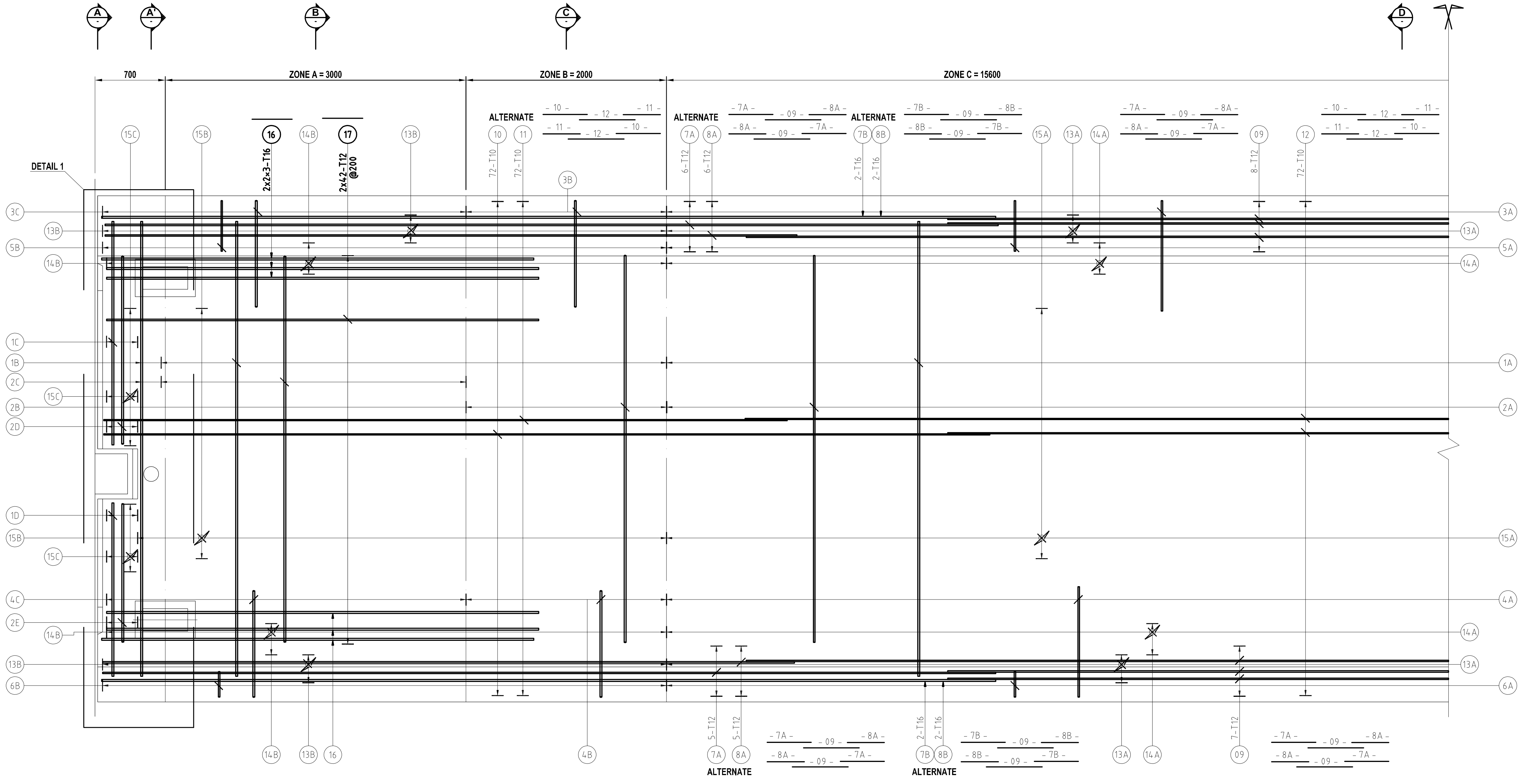
GENERAL NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS.
2. ALL DIMENSIONS ARE TO BE READ AND NOT MEASURED.
3. THIS DRAWING MUST BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL, STRUCTURAL, PLUMBING & FIRE FIGHTING, ELECTRICAL AND TRAFFIC MANAGEMENT DRAWINGS.
4. ANY DISCREPANCIES MUST BE BROUGHT TO THE NOTICE OF THE CONSULTANT.

NOTE :-

TENTATIVE TENDER DRAWINGS

NOIDA METRO RAIL CORPORATION LTD.		
DWG. Dimension & renifrcement details of Crash Barrier around piers		
NMRC/Design/TD 010	R-0	TENDER DRAWINGS



HALF PLAN VIEW

SCALE : 1/20

GENERAL NOTES:

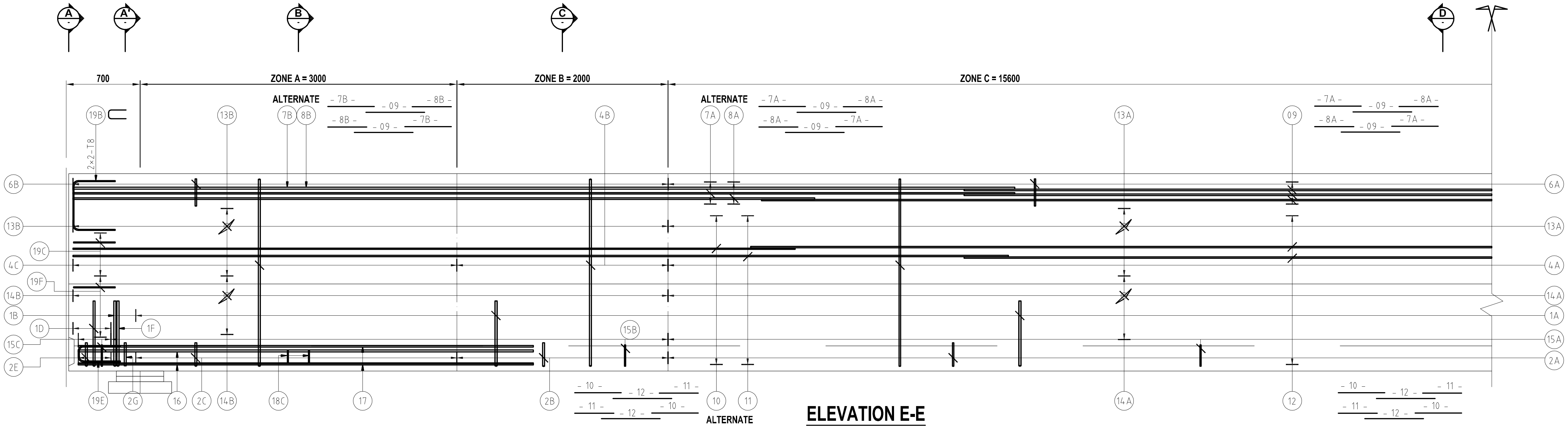
1. ALL DIMENSIONS ARE IN MILLIMETERS.
2. ALL DIMENSIONS ARE TO BE READ AND NOT MEASURED.
3. THIS DRAWING MUST BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL, STRUCTURAL, PLUMBING & FIRE FIGHTING, ELECTRICAL AND TRAFFIC MANAGEMENT DRAWINGS.
4. ANY DISCREPANCIES MUST BE BROUGHT TO THE NOTICE OF THE CONSULTANT.

1. FOR GENERAL NOTES REFER TO SEPARATE DRAWINGS NO. BFC-F-SG-TYPI-3001 TO 3002.
2. CLEAR COVER TO ANY REINFORCEMENT : 40mm.
3. HYSD REINFORCEMENT BARS CONFORM TO IS : 1786 - GRADE Fe-500.
4. NO ADDITIONAL OVERLAP THAN SHOWN ON DRAWINGS SHALL BE ALLOWED.
5. MINIMUM BAR BEND SHALL BE 6 TIMES THE BAR DIAMETER.
6. ANCHORAGE LENGTHS (FOR STRAIGHT ENDS OR HOOK ENDS), LAP LENGTHS, BAR SPACINGS, AND ALL OTHER REINFORCEMENT REQUIREMENTS, SHALL COMPLY WITH SPECIFICATIONS GIVEN IN IRS-CBC-1999 (THIRD REVISION 2004) CLAUSE 15.9 OR IRC:21-2000 (THIRD REVISION – REPRINT SEP. 2006), WHICHEVER CODE IS MORE ONEROUS.
7. THE DIMENSIONS GIVEN IN BAR BENDING SCHEDULE ARE OUTSIDE DIMENSIONS EXPRESSED IN MM.
8. THE ANGLES GIVEN ARE ANGLES OF BENDING EXPRESSED IN DEGREES.
9. FOR FOLLOWING LOCAL REINFORCEMENT DETAILS / INSERTS DETAILS REFER SEPARATE DRAWINGS:-
   - LOCAL REINFORCEMENT IN TOP FLANGE & WEB AT OHE MAST ANCHORAGE LOCATION REFER DRAWING NO.BFC-F-SG-TYPI-14100 TO 14102.
   - TRACK PLINTH STARTER BARS REFER DRAWING NO.BFC-F-SG-TYPI-14150.
   - EARTHING DETAILS REFER DRAWING NO. DRAWING NO. BFC-F-SG-TYPI-14001 TO 14003.
   - HAND RAIL DETAILS REFER DRAWING NO. BFC-F-SG-TYPI-14200 TO 14201.
   - CABLE TRAY & COVER DETAILS REFER DRAWING NO. BFC-F-SG-TYPI-14300.

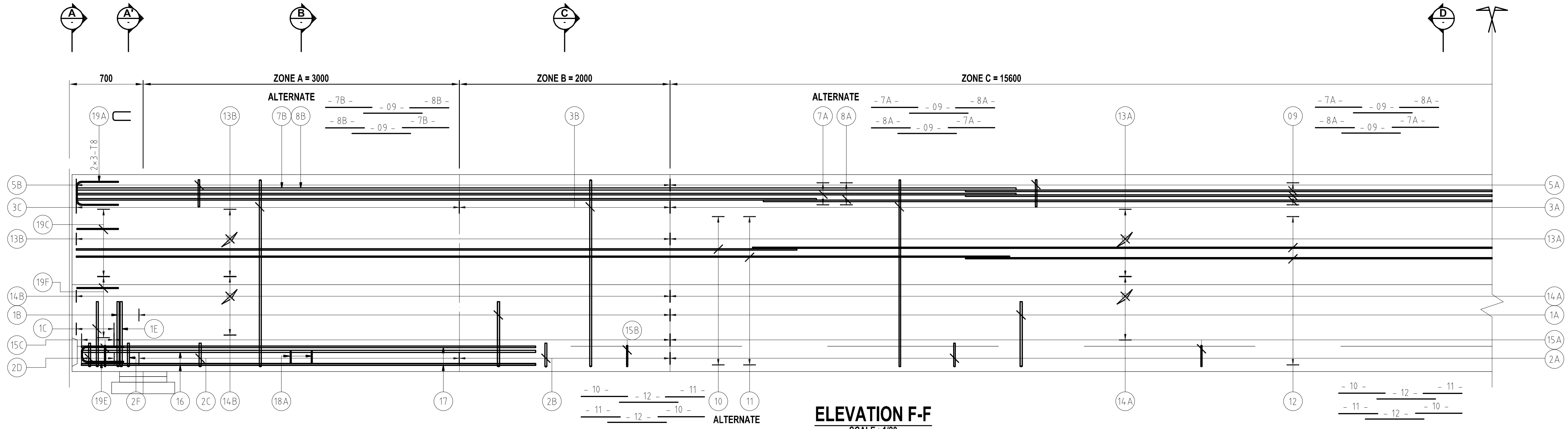
NOTE :-

TENTATIVE TENDER DRAWINGS

NOIDA METRO RAIL CORPORATION LTD.		
DWG.	Standard straight span Reniforcement (Plan view)	
NMRC/Design/TD 011	R-0	TENDER DRAWINGS



ELEVATION E-E
SCALE : 1/20



ELEVATION F-F
SCALE : 1/20

GENERAL NOTES:

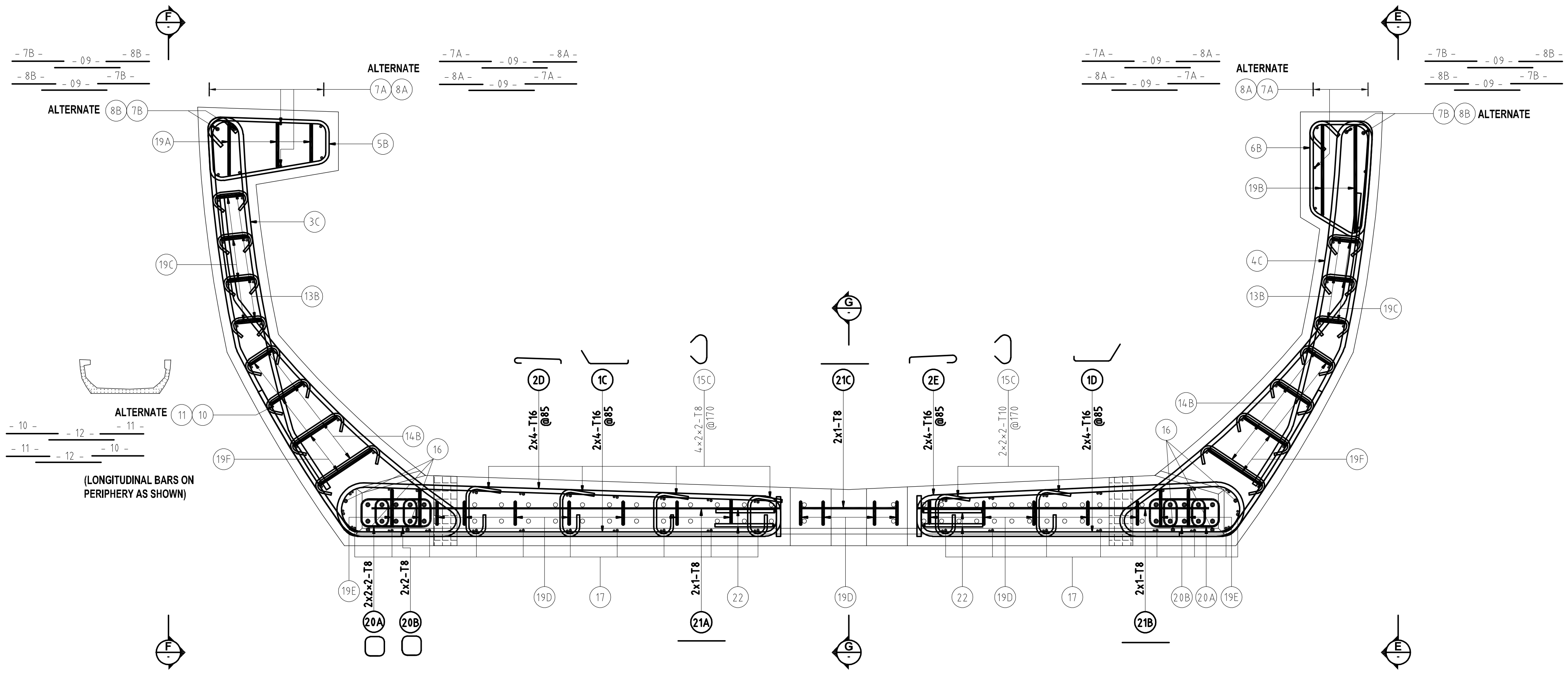
1. ALL DIMENSIONS ARE IN MILLIMETERS.
2. ALL DIMENSIONS ARE TO BE READ AND NOT MEASURED.
3. THIS DRAWING MUST BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL, STRUCTURAL, PLUMBING & FIRE FIGHTING, ELECTRICAL AND TRAFFIC MANAGEMENT DRAWINGS.
4. ANY DISCREPANCIES MUST BE BROUGHT TO THE NOTICE OF THE CONSULTANT.

1. FOR GENERAL NOTES REFER TO SEPARATE DRAWINGS NO. BFC-F-SG-TYPI-3001 TO 3002.
2. CLEAR COVER TO ANY REINFORCEMENT : 40mm.
3. HYSD REINFORCEMENT BARS CONFORM TO IS : 1786 - GRADE Fe-500.
4. NO ADDITIONAL OVERLAP THAN SHOWN ON DRAWINGS SHALL BE ALLOWED.
5. MINIMUM BAR BEND SHALL BE 6 TIMES THE BAR DIAMETER.
6. ANCHORAGE LENGTHS (FOR STRAIGHT ENDS OR HOOK ENDS), LAP LENGTHS, BAR SPACINGS, AND ALL OTHER REINFORCEMENT REQUIREMENTS, SHALL COMPLY WITH SPECIFICATIONS GIVEN IN IRS-CBC-1999 (THIRD REVISION 2004) CLAUSE 15.9 OR IRC:21-2000 (THIRD REVISION – REPRINT SEP. 2006), WHICHEVER CODE IS MORE ONEROUS.
7. THE DIMENSIONS GIVEN IN BAR BENDING SCHEDULE ARE OUTSIDE DIMENSIONS EXPRESSED IN MM.
8. THE ANGLES GIVEN ARE ANGLES OF BENDING EXPRESSED IN DEGREES.
9. FOR FOLLOWING LOCAL REINFORCEMENT DETAILS / INSERTS DETAILS REFER SEPARATE DRAWINGS:-
   - LOCAL REINFORCEMENT IN TOP FLANGE & WEB AT OHE MAST ANCHORAGE LOCATION REFER DRAWING NO.BFC-F-SG-TYPI-14100 TO 14102.
   - TRACK PLINTH STARTER BARS REFER DRAWING NO.BFC-F-SG-TYPI-14150.
   - EARTHING DETAILS REFER DRAWING NO. DRAWING NO. BFC-F-SG-TYPI-14001 TO 14003.
   - HAND RAIL DETAILS REFER DRAWING NO. BFC-F-SG-TYPI-14200 TO 14201.
   - CABLE TRAY & COVER DETAILS REFER DRAWING NO. BFC-F-SG-TYPI-14300.

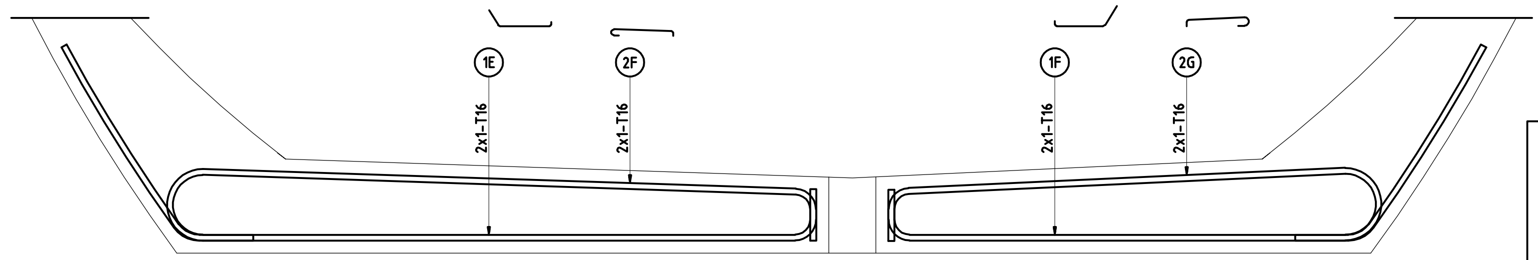
NOTE :-

TENTATIVE TENDER DRAWINGS

NOIDA METRO RAIL CORPORATION LTD.		
DWG. Standard straight span Reniforcement (Elevations)		
NMRC/Design/TD 012	R-0	TENDER DRAWINGS



SECTION A-A
SCALE : 1/10



SECTION SHOWING BARS NO. 01E, 01F & 2F,2G AT DRAINAGE LOCATION ONLY FOR CLARITY

SECTION A'-A'
SCALE : 1/10

1. FOR GENERAL NOTES REFER TO SEPARATE DRAWINGS NO. BFC-F-SG-TYPI-3001 TO 3002.
2. CLEAR COVER TO ANY REINFORCEMENT : 40mm.
3. HYSD REINFORCEMENT BARS CONFORM TO IS : 1786 - GRADE Fe-500.
4. NO ADDITIONAL OVERLAP THAN SHOWN ON DRAWINGS SHALL BE ALLOWED.
5. MINIMUM BAR BEND SHALL BE 6 TIMES THE BAR DIAMETER.
6. ANCHORAGE LENGTHS (FOR STRAIGHT ENDS OR HOOK ENDS), LAP LENGTHS, BAR SPACINGS, AND ALL OTHER REINFORCEMENT REQUIREMENTS, SHALL COMPLY WITH SPECIFICATIONS GIVEN IN IRS-CBC-1999 (THIRD REVISION 2004) CLAUSE 15.9 OR IRC:21-2000 (THIRD REVISION – REPRINT SEP. 2006), WHICHEVER CODE IS MORE ONEROUS.
7. THE DIMENSIONS GIVEN IN BAR BENDING SCHEDULE ARE OUTSIDE DIMENSIONS EXPRESSED IN MM.
8. THE ANGLES GIVEN ARE ANGLES OF BENDING EXPRESSED IN DEGREES.
9. FOR FOLLOWING LOCAL REINFORCEMENT DETAILS / INSERTS DETAILS REFER SEPARATE DRAWINGS:-
   - LOCAL REINFORCEMENT IN TOP FLANGE & WEB AT OHE MAST ANCHORAGE LOCATION REFER DRAWING NO.BFC-F-SG-TYPI-14100 TO 14102.
   - TRACK PLINTH STARTER BARS REFER DRAWING NO.BFC-F-SG-TYPI-14150.
   - EARTHING DETAILS REFER DRAWING NO. DRAWING NO. BFC-F-SG-TYPI-14001 TO 14003.
   - HAND RAIL DETAILS REFER DRAWING NO. BFC-F-SG-TYPI-14200 TO 14201.
   - CABLE TRAY & COVER DETAILS REFER DRAWING NO. BFC-F-SG-TYPI-14300.

GENERAL NOTES:

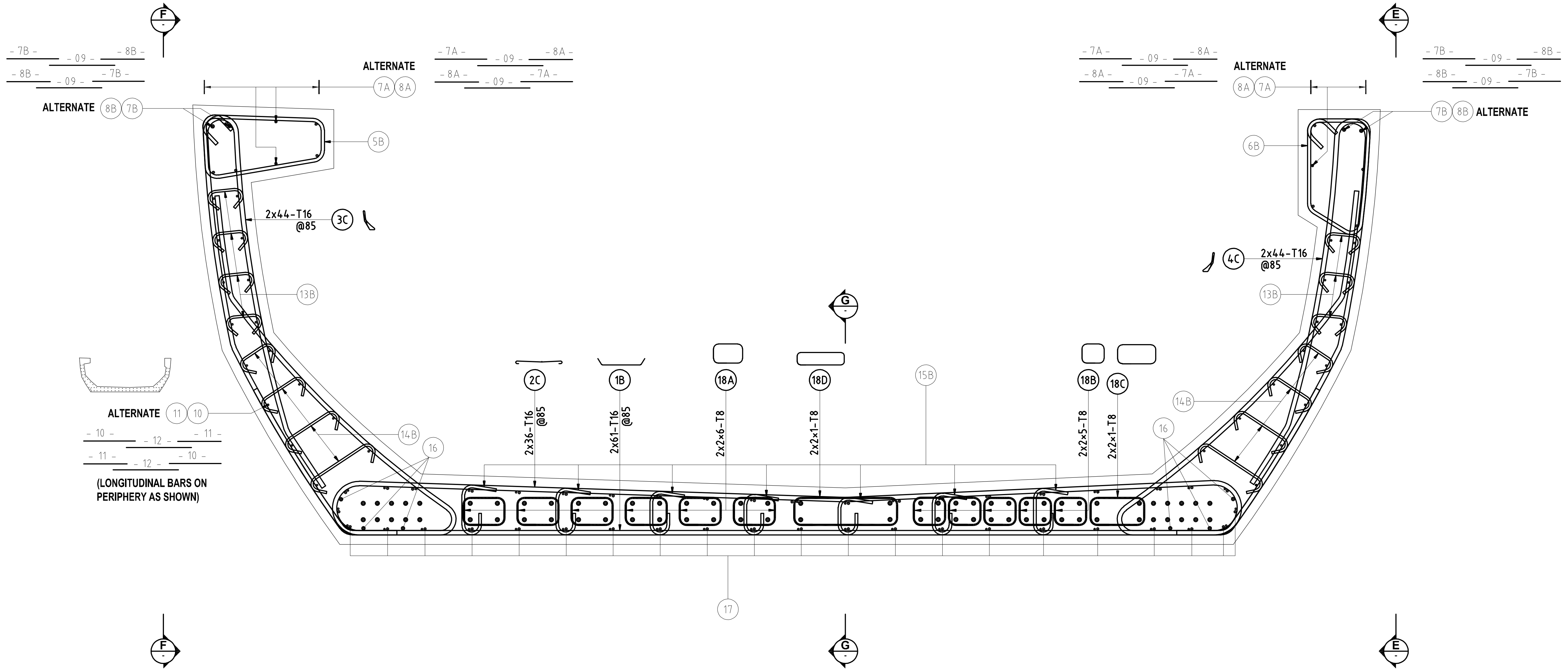
1. ALL DIMENSIONS ARE IN MILLIMETERS.
2. ALL DIMENSIONS ARE TO BE READ AND NOT MEASURED.
3. THIS DRAWING MUST BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL, STRUCTURAL, PLUMBING & FIRE FIGHTING, ELECTRICAL AND TRAFFIC MANAGEMENT DRAWINGS.
4. ANY DISCREPANCIES MUST BE BROUGHT TO THE NOTICE OF THE CONSULTANT.

NOTE :-

TENTATIVE TENDER DRAWINGS

NOIDA METRO RAIL CORPORATION LTD.

DWG.	Standard straight span Renforcement (Cross-section A-A & A'-A')	
NMRC/Design/TD 013	R-0	TENDER DRAWINGS



SECTION B-B

SCALE : 1/10

GENERAL NOTES:

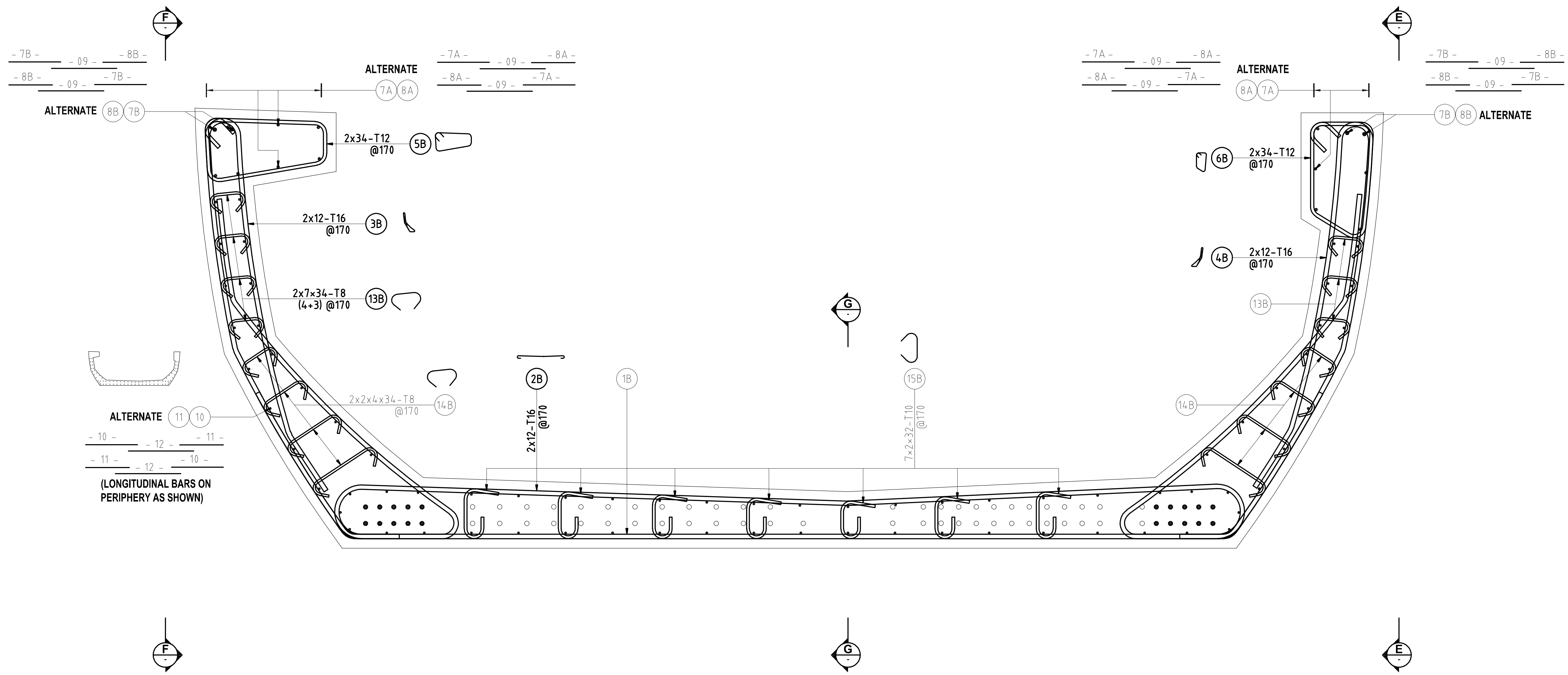
1. ALL DIMENSIONS ARE IN MILLIMETERS.
2. ALL DIMENSIONS ARE TO BE READ AND NOT MEASURED.
3. THIS DRAWING MUST BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL, STRUCTURAL, PLUMBING & FIRE FIGHTING, ELECTRICAL AND TRAFFIC MANAGEMENT DRAWINGS.
4. ANY DISCREPANCIES MUST BE BROUGHT TO THE NOTICE OF THE CONSULTANT.

NOTE :-

1. FOR GENERAL NOTES REFER TO SEPARATE DRAWINGS NO. BFC-F-SG-TYPI-3001 TO 3002.
2. CLEAR COVER TO ANY REINFORCEMENT : 40mm.
3. HYSD REINFORCEMENT BARS CONFORM TO IS : 1786 - GRADE Fe-500.
4. NO ADDITIONAL OVERLAP THAN SHOWN ON DRAWINGS SHALL BE ALLOWED.
5. MINIMUM BAR BEND SHALL BE 6 TIMES THE BAR DIAMETER.
6. ANCHORAGE LENGTHS (FOR STRAIGHT ENDS OR HOOK ENDS), LAP LENGTHS, BAR SPACINGS, AND ALL OTHER REINFORCEMENT REQUIREMENTS, SHALL COMPLY WITH SPECIFICATIONS GIVEN IN IRS-CBC-1999 (THIRD REVISION 2004) CLAUSE 15.9 OR IRC:21-2000 (THIRD REVISION – REPRINT SEP. 2006), WHICHEVER CODE IS MORE ONEROUS.
7. THE DIMENSIONS GIVEN IN BAR BENDING SCHEDULE ARE OUTSIDE DIMENSIONS EXPRESSED IN MM.
8. THE ANGLES GIVEN ARE ANGLES OF BENDING EXPRESSED IN DEGREES.
9. FOR FOLLOWING LOCAL REINFORCEMENT DETAILS / INSERTS DETAILS REFER SEPARATE DRAWINGS:-
   - LOCAL REINFORCEMENT IN TOP FLANGE & WEB AT OHE MAST ANCHORAGE LOCATION REFER DRAWING NO.BFC-F-SG-TYPI-14100 TO 14102.
   - TRACK PLINTH STARTER BARS REFER DRAWING NO.BFC-F-SG-TYPI-14150.
   - EARTHING DETAILS REFER DRAWING NO. DRAWING NO. BFC-F-SG-TYPI-14001 TO 14003.
   - HAND RAIL DETAILS REFER DRAWING NO. BFC-F-SG-TYPI-14200 TO 14201.
   - CABLE TRAY & COVER DETAILS REFER DRAWING NO. BFC-F-SG-TYPI-14300.

TENTATIVE TENDER DRAWINGS

NOIDA METRO RAIL CORPORATION LTD.		
DWG.	Standard straight span Reniforcement (Cross-section B-B)	
NMRC/Design/TD 014	R-0	TENDER DRAWINGS



SECTION C-C

SCALE : 1/10

GENERAL NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS.
2. ALL DIMENSIONS ARE TO BE READ AND NOT MEASURED.
3. THIS DRAWING MUST BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL, STRUCTURAL, PLUMBING & FIRE FIGHTING, ELECTRICAL AND TRAFFIC MANAGEMENT DRAWINGS.
4. ANY DISCREPANCIES MUST BE BROUGHT TO THE NOTICE OF THE CONSULTANT.

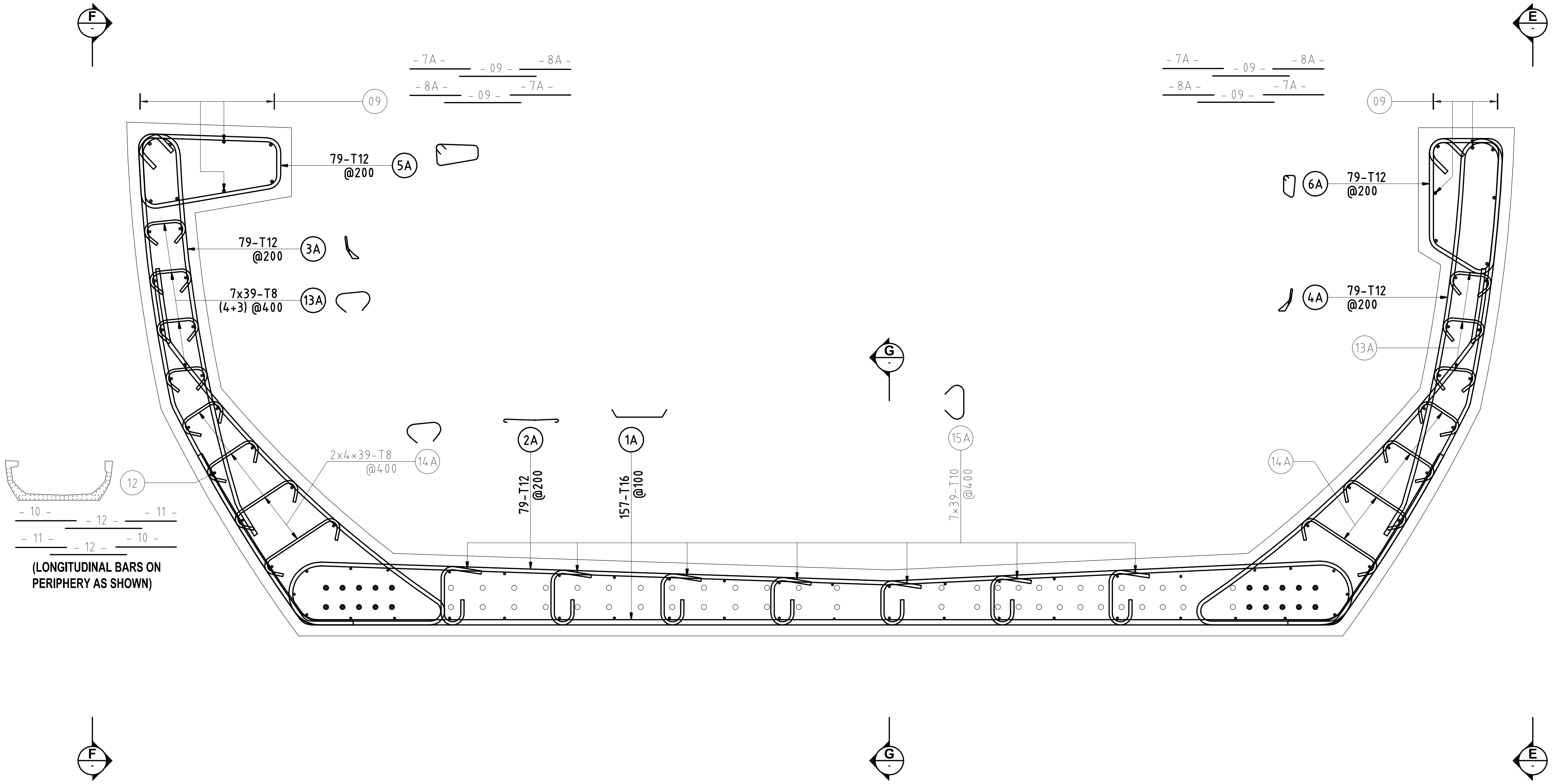
NOTE :-

1. FOR GENERAL NOTES REFER TO SEPARATE DRAWINGS NO. BFC-F-SG-TYPI-3001 TO 3002.
2. CLEAR COVER TO ANY REINFORCEMENT : 40mm.
3. HYSD REINFORCEMENT BARS CONFORM TO IS : 1786 - GRADE Fe-500.
4. NO ADDITIONAL OVERLAP THAN SHOWN ON DRAWINGS SHALL BE ALLOWED.
5. MINIMUM BAR BEND SHALL BE 6 TIMES THE BAR DIAMETER.
6. ANCHORAGE LENGTHS (FOR STRAIGHT ENDS OR HOOK ENDS), LAP LENGTHS, BAR SPACINGS, AND ALL OTHER REINFORCEMENT REQUIREMENTS, SHALL COMPLY WITH SPECIFICATIONS GIVEN IN IRS-CBC-1999 (THIRD REVISION 2004) CLAUSE 15.9 OR IRC:21-2000 (THIRD REVISION – REPRINT SEP. 2006), WHICHEVER CODE IS MORE ONEROUS.
7. THE DIMENSIONS GIVEN IN BAR BENDING SCHEDULE ARE OUTSIDE DIMENSIONS EXPRESSED IN MM.
8. THE ANGLES GIVEN ARE ANGLES OF BENDING EXPRESSED IN DEGREES.
9. FOR FOLLOWING LOCAL REINFORCEMENT DETAILS / INSERTS DETAILS REFER SEPARATE DRAWINGS:-
   - LOCAL REINFORCEMENT IN TOP FLANGE & WEB AT OHE MAST ANCHORAGE LOCATION REFER DRAWING NO.BFC-F-SG-TYPI-14100 TO 14102.
   - TRACK PLINTH STARTER BARS REFER DRAWING NO.BFC-F-SG-TYPI-14150.
   - EARTHING DETAILS REFER DRAWING NO. DRAWING NO. BFC-F-SG-TYPI-14001 TO 14003.
   - HAND RAIL DETAILS REFER DRAWING NO. BFC-F-SG-TYPI-14200 TO 14201.
   - CABLE TRAY & COVER DETAILS REFER DRAWING NO. BFC-F-SG-TYPI-14300.

TENTATIVE TENDER DRAWINGS

NOIDA METRO RAIL CORPORATION LTD.

DWG.	Standard straight span Reniforcement (Cross-section C-C)
NMRC/Design/TD 015	R-0	TENDER DRAWINGS



SECTION D-D

SCALE : 1/10

GENERAL NOTES:

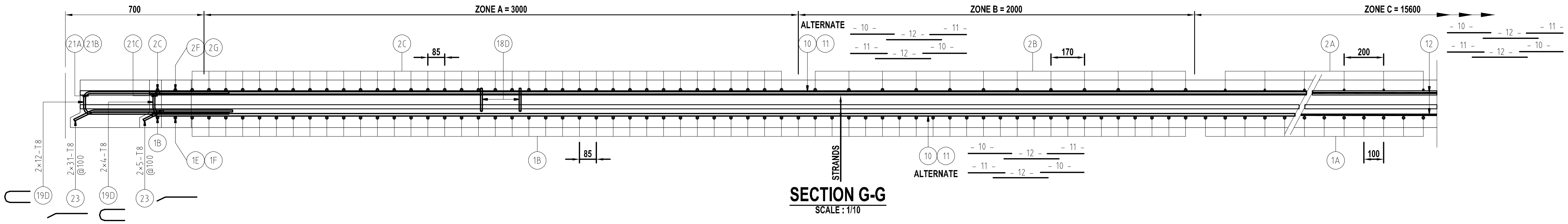
1. ALL DIMENSIONS ARE IN MILLIMETERS.
2. ALL DIMENSIONS ARE TO BE READ AND NOT MEASURED.
3. THIS DRAWING MUST BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL, STRUCTURAL, PLUMBING & FIRE FIGHTING, ELECTRICAL AND TRAFFIC MANAGEMENT DRAWINGS.
4. ANY DISCREPANCIES MUST BE BROUGHT TO THE NOTICE OF THE CONSULTANT.

NOTE :-

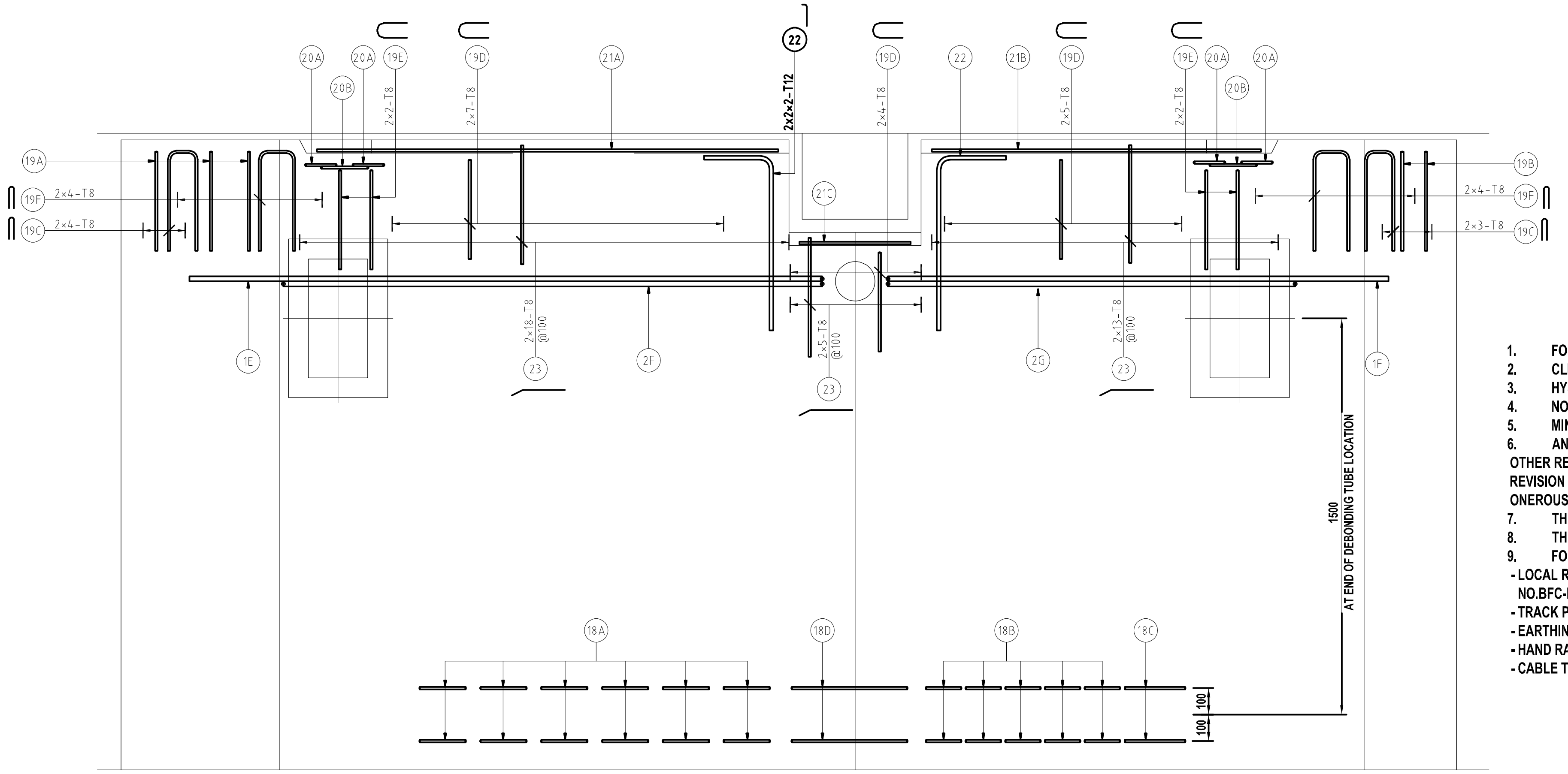
1. FOR GENERAL NOTES REFER TO SEPARATE DRAWINGS NO. BFC-F-SG-TYPI-3001 TO 3002.
2. CLEAR COVER TO ANY REINFORCEMENT : 40mm.
3. HYSD REINFORCEMENT BARS CONFORM TO IS : 1786 - GRADE Fe-500.
4. NO ADDITIONAL OVERLAP THAN SHOWN ON DRAWINGS SHALL BE ALLOWED.
5. MINIMUM BAR BEND SHALL BE 6 TIMES THE BAR DIAMETER.
6. ANCHORAGE LENGTHS (FOR STRAIGHT ENDS OR HOOK ENDS), LAP LENGTHS, BAR SPACINGS, AND ALL OTHER REINFORCEMENT REQUIREMENTS, SHALL COMPLY WITH SPECIFICATIONS GIVEN IN IRS-CBC-1999 (THIRD REVISION 2004) CLAUSE 15.9 OR IRC:21-2000 (THIRD REVISION – REPRINT SEP. 2006), WHICHEVER CODE IS MORE ONEROUS.
7. THE DIMENSIONS GIVEN IN BAR BENDING SCHEDULE ARE OUTSIDE DIMENSIONS EXPRESSED IN MM.
8. THE ANGLES GIVEN ARE ANGLES OF BENDING EXPRESSED IN DEGREES.
9. FOR FOLLOWING LOCAL REINFORCEMENT DETAILS / INSERTS DETAILS REFER SEPARATE DRAWINGS:-
   - LOCAL REINFORCEMENT IN TOP FLANGE & WEB AT OHE MAST ANCHORAGE LOCATION REFER DRAWING NO.BFC-F-SG-TYPI-14100 TO 14102.
   - TRACK PLINTH STARTER BARS REFER DRAWING NO.BFC-F-SG-TYPI-14150.
   - EARTHING DETAILS REFER DRAWING NO. DRAWING NO. BFC-F-SG-TYPI-14001 TO 14003.
   - HAND RAIL DETAILS REFER DRAWING NO. BFC-F-SG-TYPI-14200 TO 14201.
   - CABLE TRAY & COVER DETAILS REFER DRAWING NO. BFC-F-SG-TYPI-14300.

TENTATIVE TENDER DRAWINGS

NOIDA METRO RAIL CORPORATION LTD.		
DWG.	Standard straight span Reniforcement (Cross-section D-D)	
NMRC/Design/TD 016	R-0	TENDER DRAWINGS



SECTION G-G
SCALE : 1/10



DETAIL 1
SCALE : 1/10

1. FOR GENERAL NOTES REFER TO SEPARATE DRAWINGS NO. BFC-F-SG-TYPI-3001 TO 3002.
2. CLEAR COVER TO ANY REINFORCEMENT : 40mm.
3. HYSD REINFORCEMENT BARS CONFORM TO IS : 1786 - GRADE Fe-500.
4. NO ADDITIONAL OVERLAP THAN SHOWN ON DRAWINGS SHALL BE ALLOWED.
5. MINIMUM BAR BEND SHALL BE 6 TIMES THE BAR DIAMETER.
6. ANCHORAGE LENGTHS (FOR STRAIGHT ENDS OR HOOK ENDS), LAP LENGTHS, BAR SPACINGS, AND ALL OTHER REINFORCEMENT REQUIREMENTS, SHALL COMPLY WITH SPECIFICATIONS GIVEN IN IRS-CBC-1999 (THIRD REVISION 2004) CLAUSE 15.9 OR IRC:21-2000 (THIRD REVISION – REPRINT SEP. 2006), WHICHEVER CODE IS MORE ONEROUS.
7. THE DIMENSIONS GIVEN IN BAR BENDING SCHEDULE ARE OUTSIDE DIMENSIONS EXPRESSED IN MM.
8. THE ANGLES GIVEN ARE ANGLES OF BENDING EXPRESSED IN DEGREES.
9. FOR FOLLOWING LOCAL REINFORCEMENT DETAILS / INSERTS DETAILS REFER SEPARATE DRAWINGS:-
   - LOCAL REINFORCEMENT IN TOP FLANGE & WEB AT OHE MAST ANCHORAGE LOCATION REFER DRAWING NO.BFC-F-SG-TYPI-14100 TO 14102.
   - TRACK PLINTH STARTER BARS REFER DRAWING NO.BFC-F-SG-TYPI-14150.
   - EARTHING DETAILS REFER DRAWING NO. DRAWING NO. BFC-F-SG-TYPI-14001 TO 14003.
   - HAND RAIL DETAILS REFER DRAWING NO. BFC-F-SG-TYPI-14200 TO 14201.
   - CABLE TRAY & COVER DETAILS REFER DRAWING NO. BFC-F-SG-TYPI-14300.

GENERAL NOTES:
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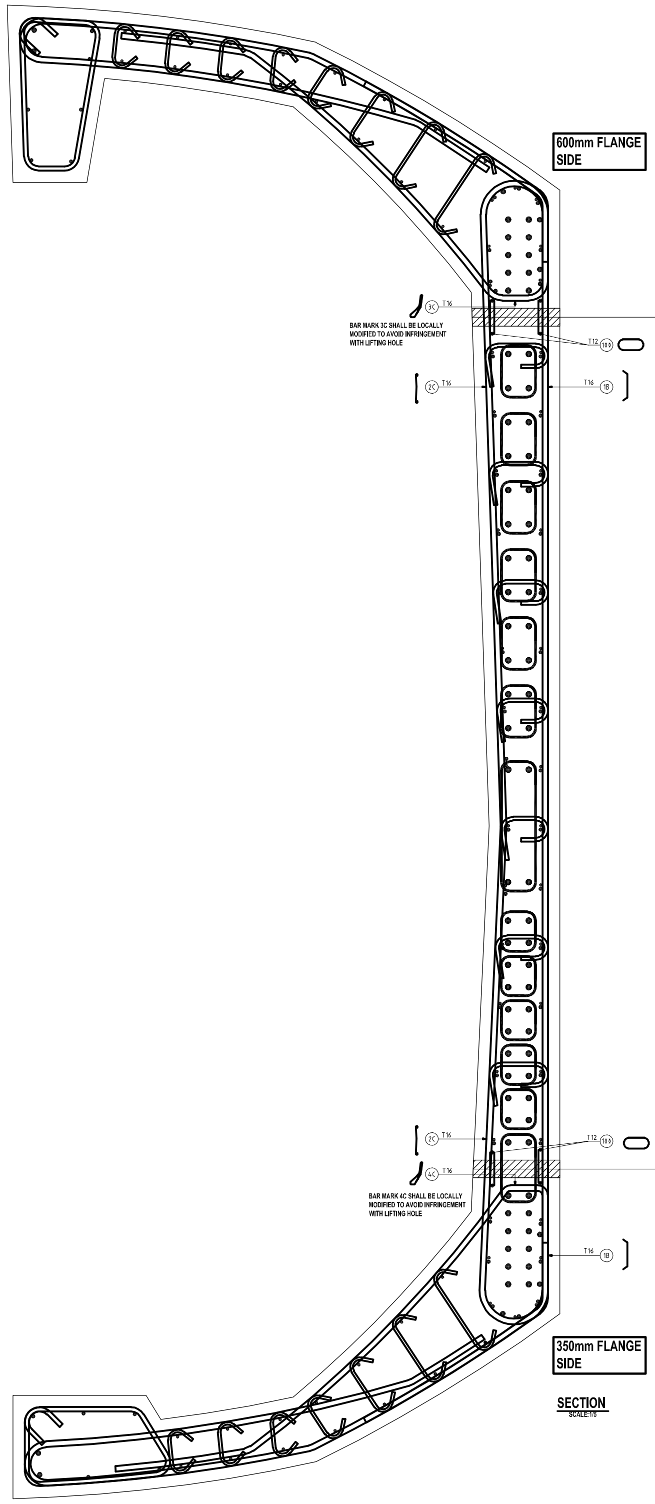
4. ANY DISCREPANCIES MUST BE BROUGHT TO THE NOTICE OF THE CONSULTANT.

NOTE :-

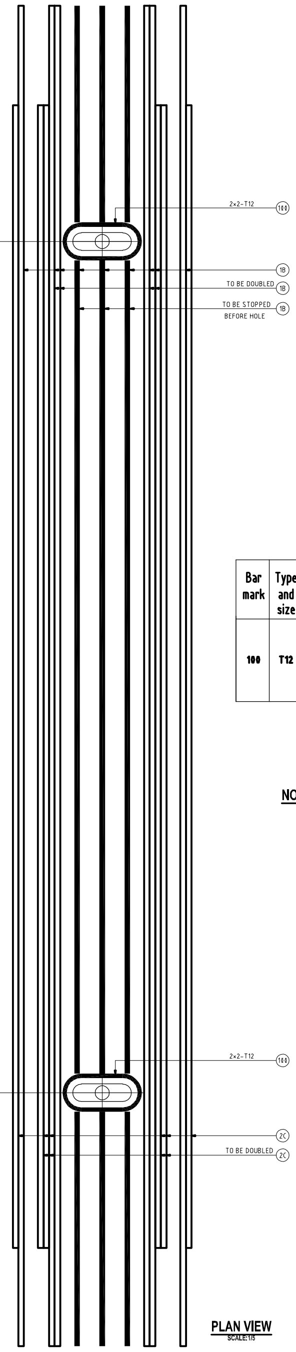
TENTATIVE TENDER DRAWINGS

NOIDA METRO RAIL CORPORATION LTD.

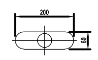
DWG.	Standard straight span Reniforcement (Details at ends)	
NMRC/Design/TD 017	R-0	TENDER DRAWINGS



SECTION



PLAN VIEW



DETAIL OF LIFTING HOLE

Bar mark	Type and size	No. of mbrs	No. of bars in each	total no.	Length of each bar + mm	Shape code	A x mm	B x mm	C x mm	D x mm	E/R x mm	F x mm	G x mm	Shape	Rev.
100	T12	1	8	8	775	999003	A=205 r1=50	B=130 r2=50	C=270	D=130	E=205			A (E) B D C	

NOTES :-

1. THE DRAWING SHOWS THE REINFORCEMENT REARRANGEMENT TO BE DONE AT CASTING YARD TO ACCOMMODATE THE LIFTING HOLE AS REQUESTED BY THE CONTRACTOR THROUGH E-MAIL DATED 14/06/2012.
2. ADDITIONAL STIRRUPS BAR MARK 100 SHALL BE PROVIDED AROUND HOLE AS SHOWN. AT TOP & BOTTOM OF SLAB.

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NOTE :-

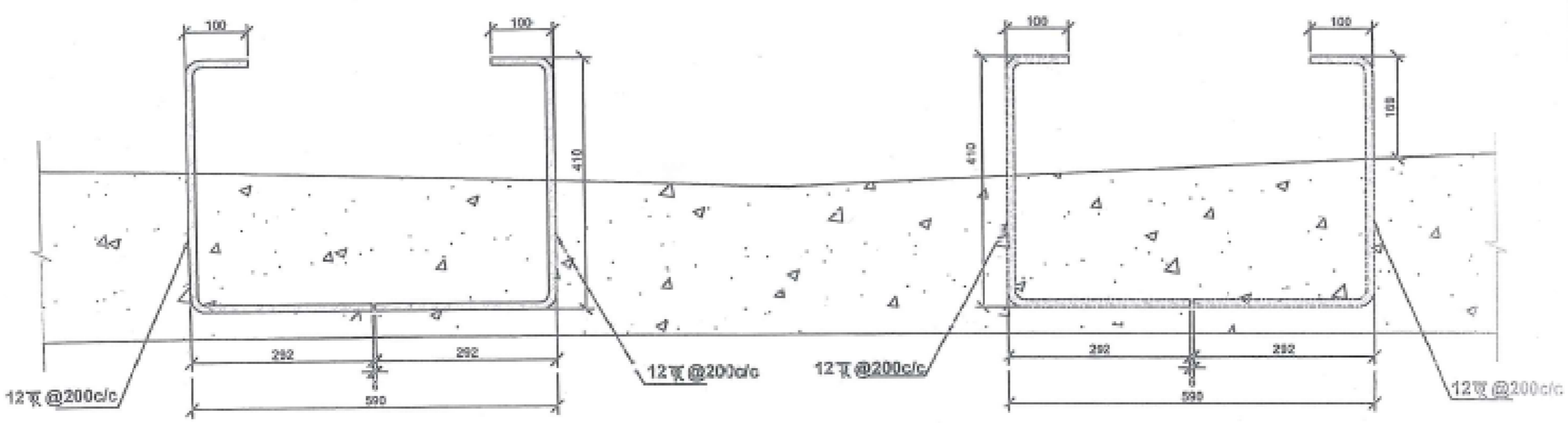
TENTATIVE TENDER DRAWINGS

NOIDA METRO RAIL CORPORATION LTD.

DWG. Standard straight span Special rearrangement of rebars for lifting hole

NMRC/Design/TD 018	R-0	TENDER DRAWINGS

EXTRACT FROM AYESA DRAWING N0. NGN-DTD-STR-VID-J122



ALTERNATIVE PROPOSAL OF TRACK PLINTH STARTER BAR

(APPLICABLE TO TYPE - 1, TYPE- 2, TYPE- 3 & TYPE- 4 SUPERSTRUCTURE)

ayesa

Proposal is acceptable.

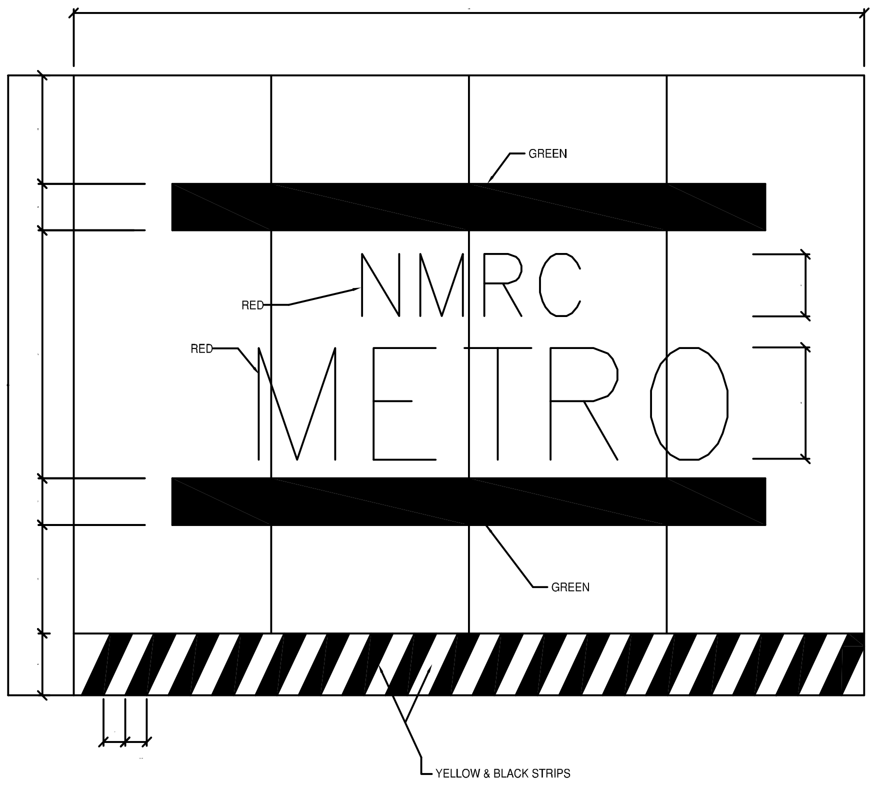
NOTE :-

TENTATIVE TENDER DRAWINGS

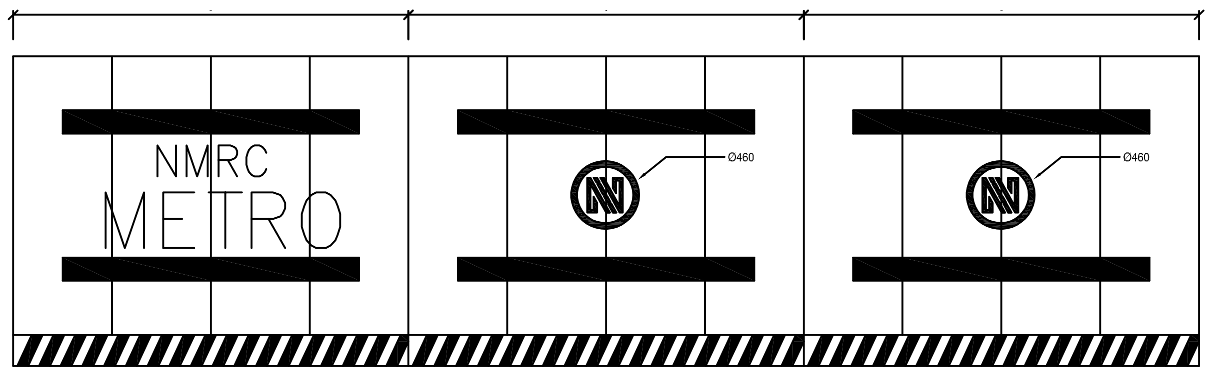
NOIDA METRO RAIL CORPORATION LTD.

DWG. Track Plinth Starter Bar

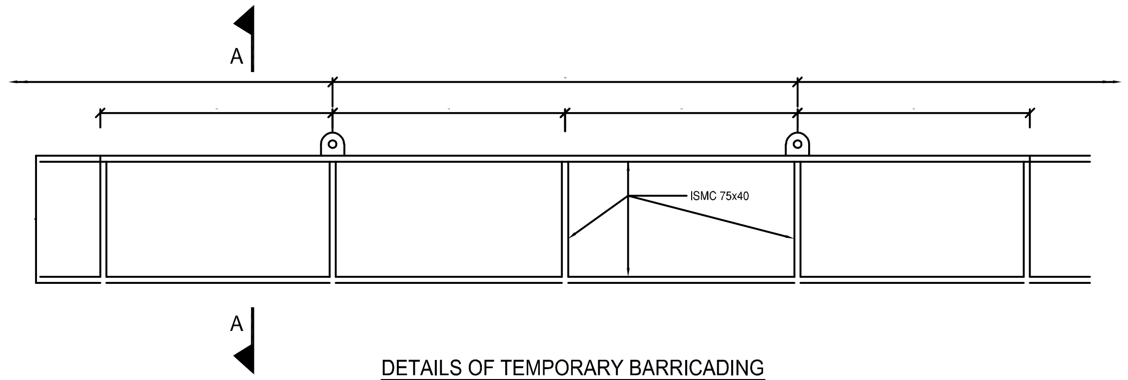
NMRC/Design/TD 019	R-0	TENDER DRAWINGS



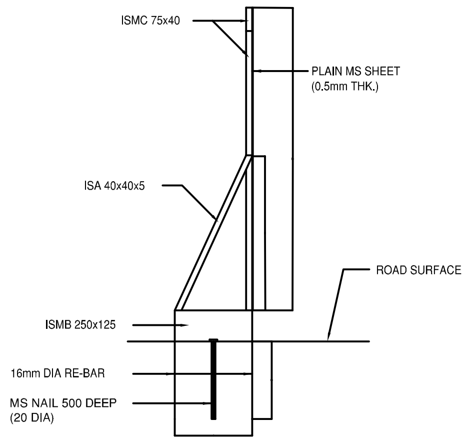
ELEVATION OF ONE SET OF TEMPORARY BARRICADING



ELEVATION OF ONE UNIT OF TEMPORARY BARRICADING



DETAILS OF TEMPORARY BARRICADING



SECTION A-A

GENERAL NOTES:

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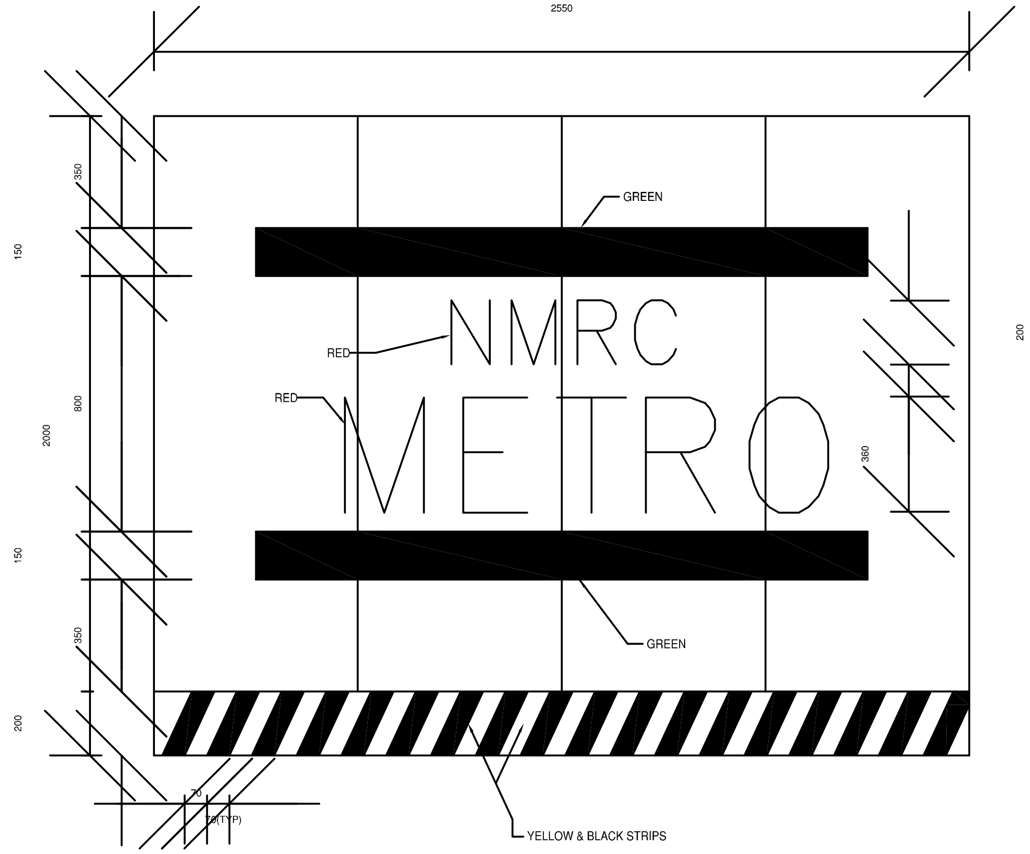
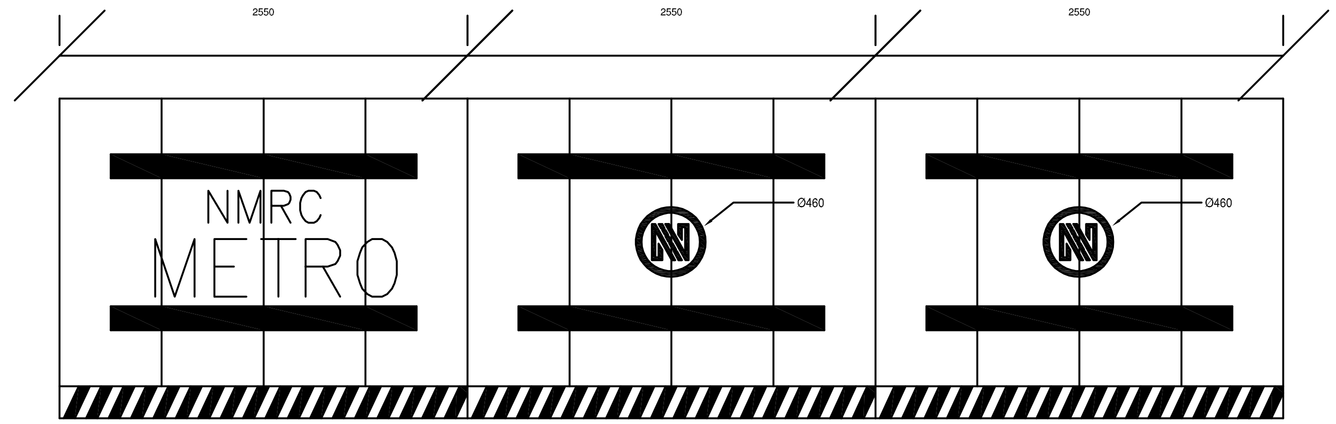
NOTE :-

TENTATIVE TENDER DRAWINGS

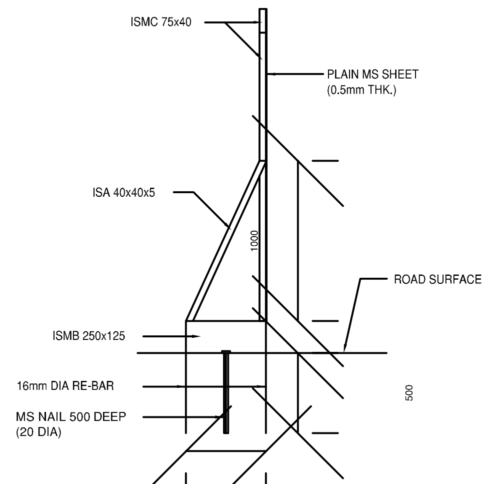
NOIDA METRO RAIL CORPORATION LTD.		
DWG. Details of Temporary barricading (1m height)		
NMRC/Design/TD 020	R-0	TENDER DRAWINGS



ELEVATION OF ONE SET OF TEMPORARY BARRICADING

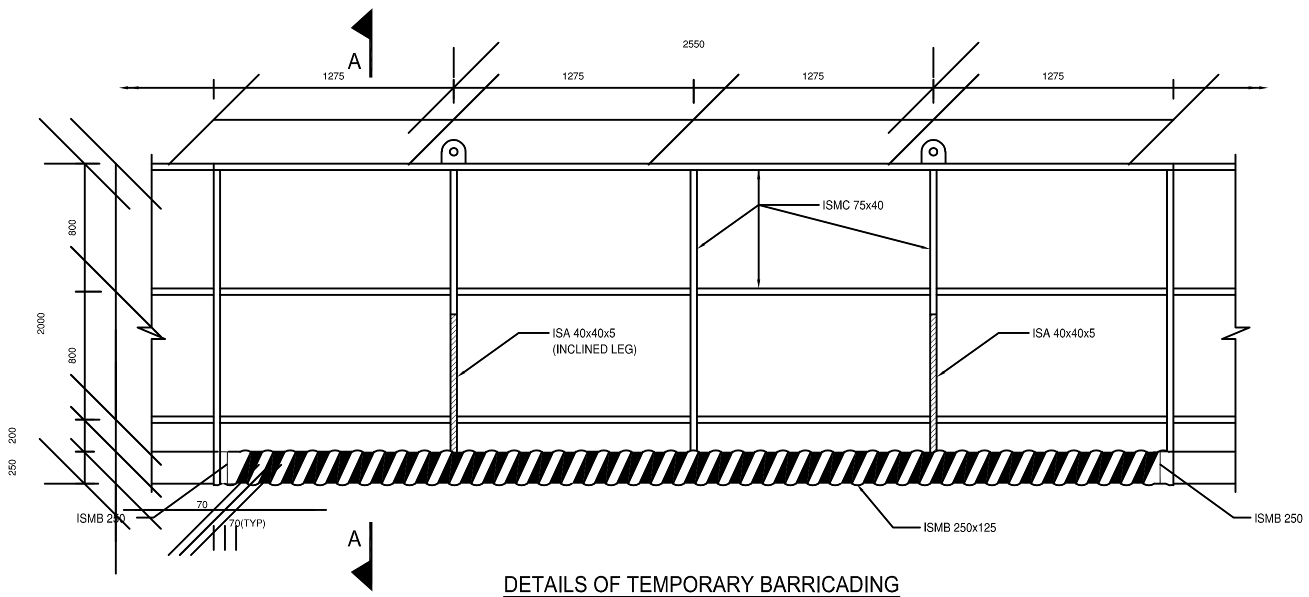


ELEVATION OF ONE UNIT OF TEMPORARY BARRICADING



SECTION A-A

500



DETAILS OF TEMPORARY BARRICADING

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NOTE :-

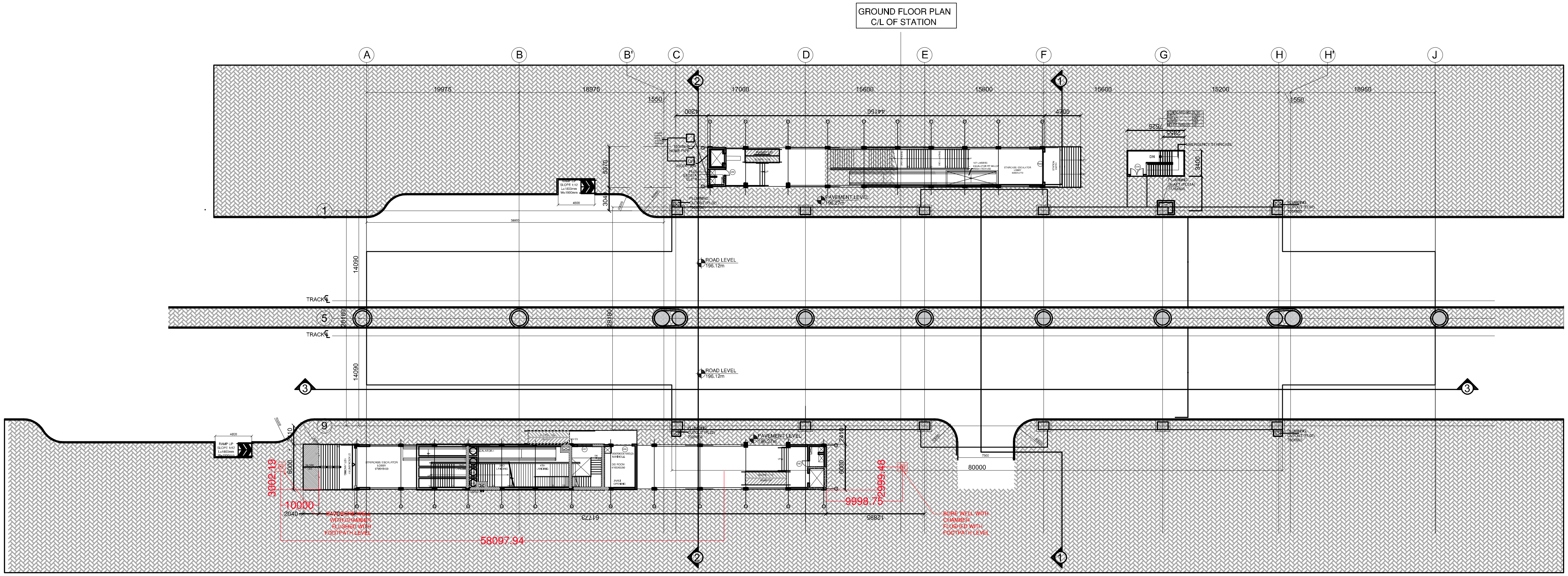
TENTATIVE TENDER DRAWINGS

NOIDA METRO RAIL CORPORATION LTD.

DWG.	Details of Temporary barricading (2m height)	
NMRC/Design/TD 021	R-0	TENDER DRAWINGS

PROJECT : NOIDA GREATER NOIDA CORRIDOR

S.NO	DRAWING TITLE	DRAWING NO.	RESVISON
TYPICAL STATION TYPE-I			
1	Ground Level Plan	NMRC/Design/ STN/TD 021	R-0
2	Concourse Level Plan	NMRC/Design/ STN/TD 022	R-0
3	Platform Level Plan	NMRC/Design/ STN/TD 023	R-0
4	Roof Level Plan	NMRC/Design/ STN/TD 024	R-0
5	Cross Section A-A	NMRC/Design/ STN/TD 025	R-0
6	Cross Section B-B	NMRC/Design/ STN/TD 026	R-0
7	Longitudinal Section C-C	NMRC/Design/ STN/TD 027	R-0



AREA CHART		
S. NO	ROOM NAME	AREA(SQM)
U43	PUMP ROOM	133
U44	WATER TANKS	57
U45	D.G. SET ROOM+ D.G. D.B. ROOM	63

SCHEDULE OF CUTOUTS		
S. NO	CUTOUT NAME	DIMENTIONS(MM)
EL01	ELECTRICAL CUTOUT	1920X750
HV01	HVAC CUTOUT	900X500
PL01	PLUMBING AND FIRE FIGHTING CUTOUT	800X800
PL01A	PLUMBING SHAFT	1770X600
PL02	PLUMBING CUTOUT	700X650
S&T01	S&T CUTOUT	1920 X 300

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NOTE :-

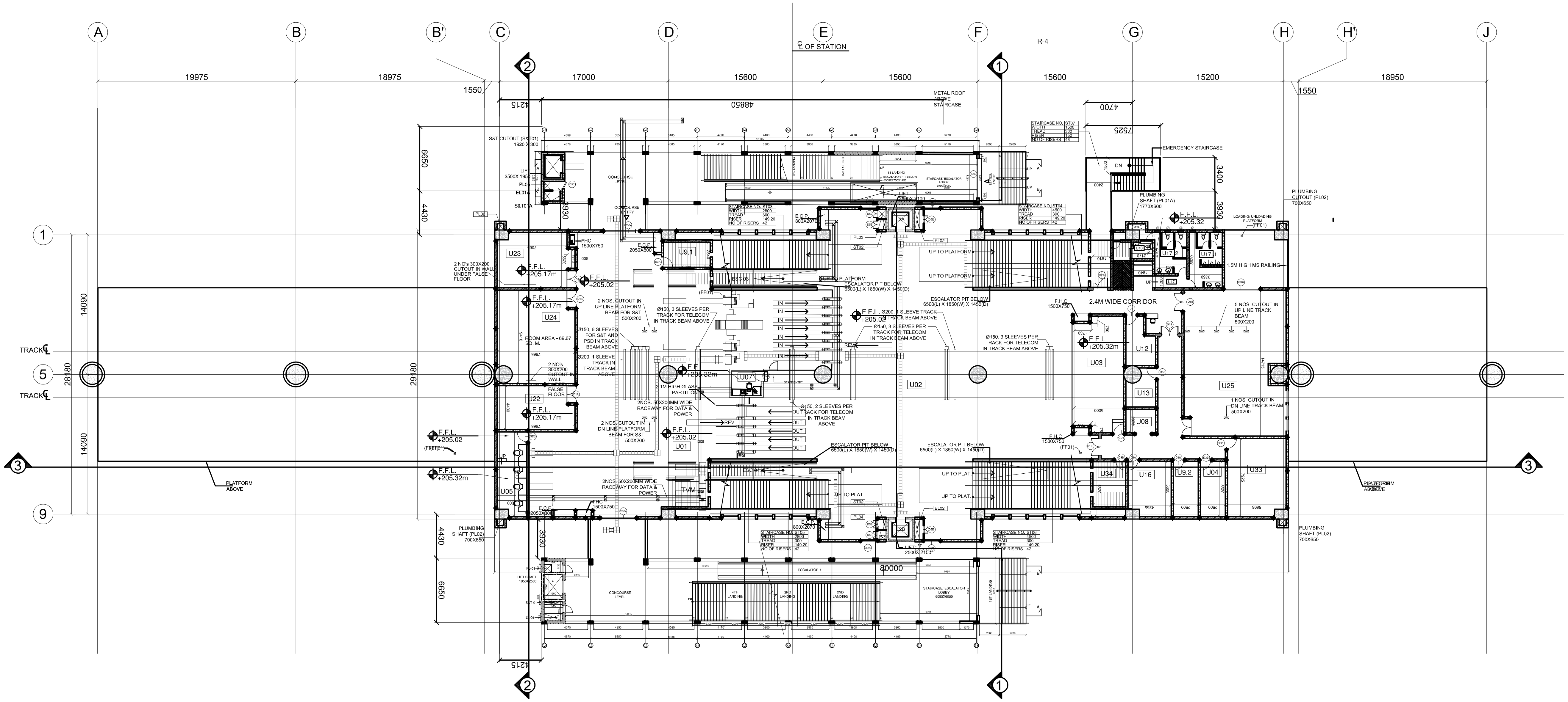
TENTATIVE TENDER DRAWINGS

NOIDA METRO RAIL CORPORATION LTD.

DWG. GROUND LEVEL PLAN

NMRC/Design/ STN/TD 021	R-0	TENDER DRAWINGS

CONCOURSE LEVEL PLAN
C/L OF STATION



DOOR SCHEDULE		
DOOR NO.	SIZE(MM)	
	WIDTH	HEIGHT
D1A	1750	2105
D1B	1750	2405
D2A	1500	2105
D3A	1050	2105
D3B	1050	2105
D3C	1050	2105
D4A	900	2105
D5A	750	2100
D5B	750	2005
D5E	750	2005
GD2	1050	2550
GD3	1000	2150
GD4	1050	2100
RS04	3500	3000

AREA CHART			
Room No	ROOM NAME	AREA(SQM)	SIZE
U01	STATION ENTRANCE(UNPAID)	-	-
U02	CONCOURSE(PAID)	-	-
U03	STATION CONTROL ROOM	56.20	9155 X 6780
U04	STATION MANAGER'S ROOM	15.55	2500 X 6220
U05	TICKET OFFICE MACHINE(TOM)	24.80	3000 X 8570
U07	EXCESS FAIR OFFICE AND CUSTOMER CARE	7	3640 X 2860
U08	FIRST AID ROOM	7.07	2945 X 4000
U09.1	SECURITY ROOM	11.82	4695 X 2540
U09.2	SECURITY ROOM	15.55	2500 X 6220
U12	CLEANER'S ROOM	12.43	3450 X 4750
U13	REFUSE STORE	9.58	2300 X 2920
U16	MESS ROOM	31.13	-
U17	PUBLIC TOILET	•	-
U17.1	PUBLIC TOILET(MALE)	18.82	3350 X 5620
U17.2	PUBLIC TOILET(FEMALE)	13.51	3230 X 4185
U18	HANDICAP TOILET	4	1940 X 1900
U34	LIFT/ ESCALATOR MAINTENANCE ROOM	15.24	3305 X 4620
U22	SIGNALING EQUIPMENT ROOM(SER)	33.26	7865 X 4430
U23	TELECOM EQUIPMENT ROOM)	38.80	7065 X 5620
U24	UPS ROOM FOR S&T	69.67	7865 X 9410
U25	AUXILIARY SUB-STATION	168.36	11700 X 14390
U33	MISCELLANEOUS OPERATION ROOM	47.73	5895 X 8250
U49	LOADING DECK	34	6200 X 5620

SCHEDULE OF PLUMBING AND FIRE FIGHTING SHAFTS			
S. NO	PURPOSE	SIZE(MM)	LOCATION
PL01	PLUMBING AND FIRE FIGHTING CUTOUT	800X800	GR. TO CO.
PL01A	PLUMBING SHAFT	1770X600	GR. TO CO.
PL02	PLUMBING CUTOUT	700X650	GR. TO PL.
PL03	PLUMBING AND HVAC CUTOUT	835X925	CONC-TERRACE
PL04	PLUMBING CUTOUT	700X400	CONC-TERRACE
PL05	PLUMBING CUTOUT	750X950	CEILING
FF01	FIRE FIGHTING CUTOUT	200X200	CEILING

SCHEDULE OF ELECTRICAL CUTOUTS/SHAFTS			
S. NO	PURPOSE	SIZE(MM)	LOCATION
EL01	ELECTRICAL CUTOUT	1920X750	CONC-TERRACE
EL01A	ELECTRICAL CUTOUT	750X1280	CONC-TERRACE
EL02	ELECTRICAL CUTOUT	450X2040	CEILING

SCHEDULE OF S&T CUTOUTS/SHAFTS			
S. NO	PURPOSE	SIZE(MM)	LOCATION
S&T01	S&TCUTOUT	1920X300	FLOOR
S&T01A	S&TCUTOUT	300X1030	FLOOR
S&T02	S&TCUTOUT	300X1000	CEILING

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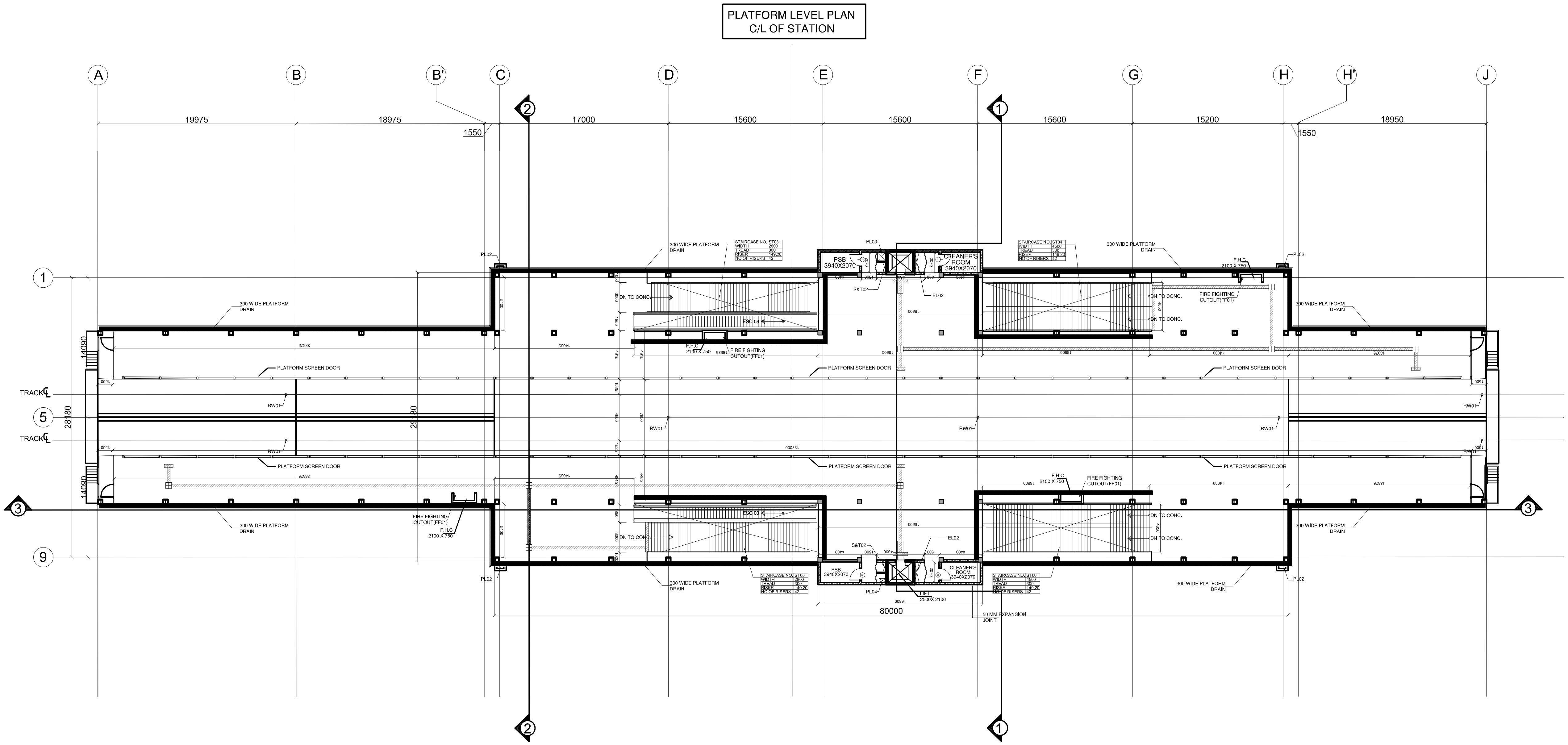
NOTE :-

TENTATIVE TENDER DRAWINGS

NOIDA METRO RAIL CORPORATION LTD.

DWG.	CONCOURSE LEVEL PLAN	
NMRC/Design/ STN/TD 022	R-0	TENDER DRAWINGS



SCHEDULE OF PLUMBING AND FIRE FIGHTING SHAFTS			
S. NO	PURPOSE	SIZE(MM)	LOCATION
PL02	PLUMBING SHAFT	700X650	GR. TO PL.
PL03	PLUMBING CUTOUT	700X400	GR. TO PL.
PL04	PLUMBING AND HVAC CUTOUT	835X925	FLOOR
FF01	FIRE FIGHTING CUTOUT	200X200	FLOOR
RW01	TRACK DRAINAGE	200X200	TRACK SLAB

SCHEDULE OF ELECTRICAL CUTOUTS/SHAFTS			
S. NO	PURPOSE	SIZE(MM)	LOCATION
EL02	ELECTRICAL CUTOUT	450X2040	FLOOR

SCHEDULE OF S&T CUTOUTS/SHAFTS			
S. NO	PURPOSE	SIZE(MM)	LOCATION
S&T02	S&TCUTOUT	300X1000	FLOOR

AREA CHART		
S. NO	ROOM NAME	AREA(SQM)
U12	CLEANER'S ROOM	9.6
U46	PLATFORM SUPERVISOR'S BOOTH	9.6

DOOR SCHEDULE		
DOOR NO.	SIZE(MM)	
	WIDTH	HEIGHT
D1A	1750	2100
D1B	1700	2450
D2	1050	2100
GD1	1050	2100
TD1	750	2100

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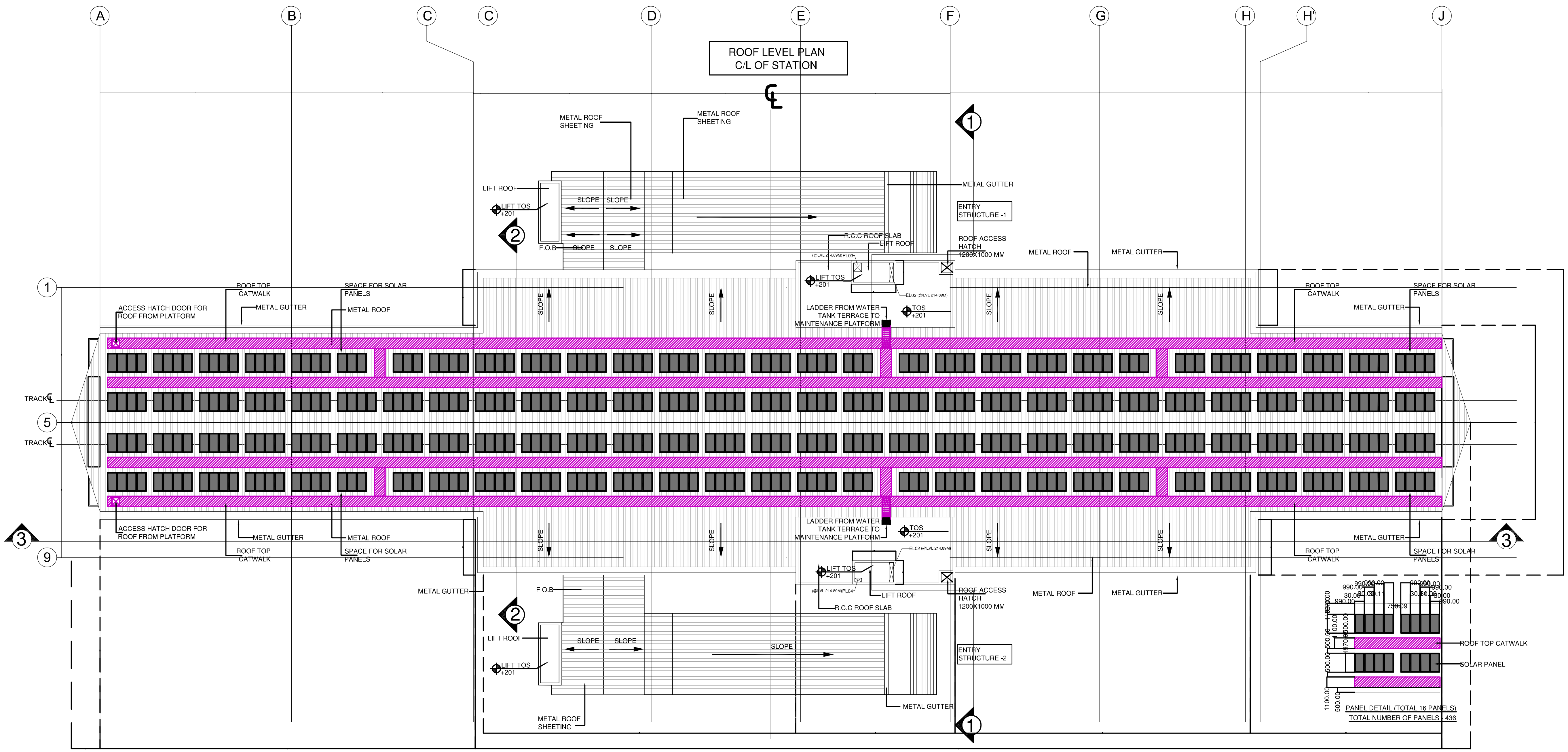
NOTE :-

TENTATIVE TENDER DRAWINGS

NOIDA METRO RAIL CORPORATION LTD.

DWG.	PLATFORM LEVEL PLAN	
NMRC/Design/ STN/TD 023	R-0	TENDER DRAWINGS



SCHEDULE OF PLUMBING AND FIRE FIGHTING SHAFTS			
S. NO	PURPOSE	SIZE(MM)	LOCATION
PL03	PLUMBING AND HVAC CUTOUT	835X925	CONC-TERRACE
PL04	PLUMBING SHAFT	700X400	CONC-TERRACE

SCHEDULE OF ELECTRICAL CUTOUTS/SHAFTS			
S. NO	PURPOSE	SIZE(MM)	LOCATION
EL02	ELECTRICAL CUTOUT	450X2040	CONC-TERRACE

GENERAL NOTES:

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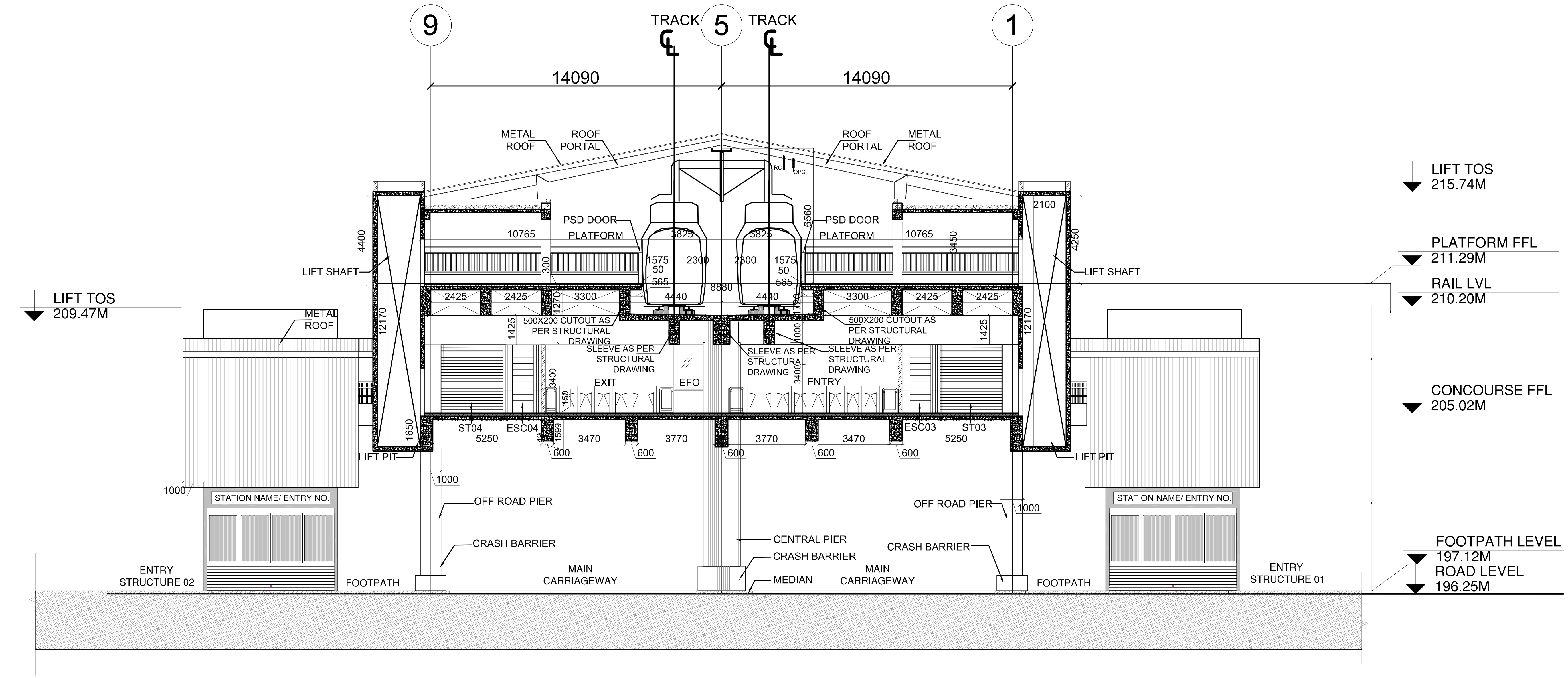
NOTE :-

TENTATIVE TENDER DRAWINGS

NOIDA METRO RAIL CORPORATION LTD.

DWG.	ROOF LEVEL PLAN	
NMRC/Design/ STN/TD 024	R-0	TENDER DRAWINGS



SECTION A-A

GENERAL NOTES:
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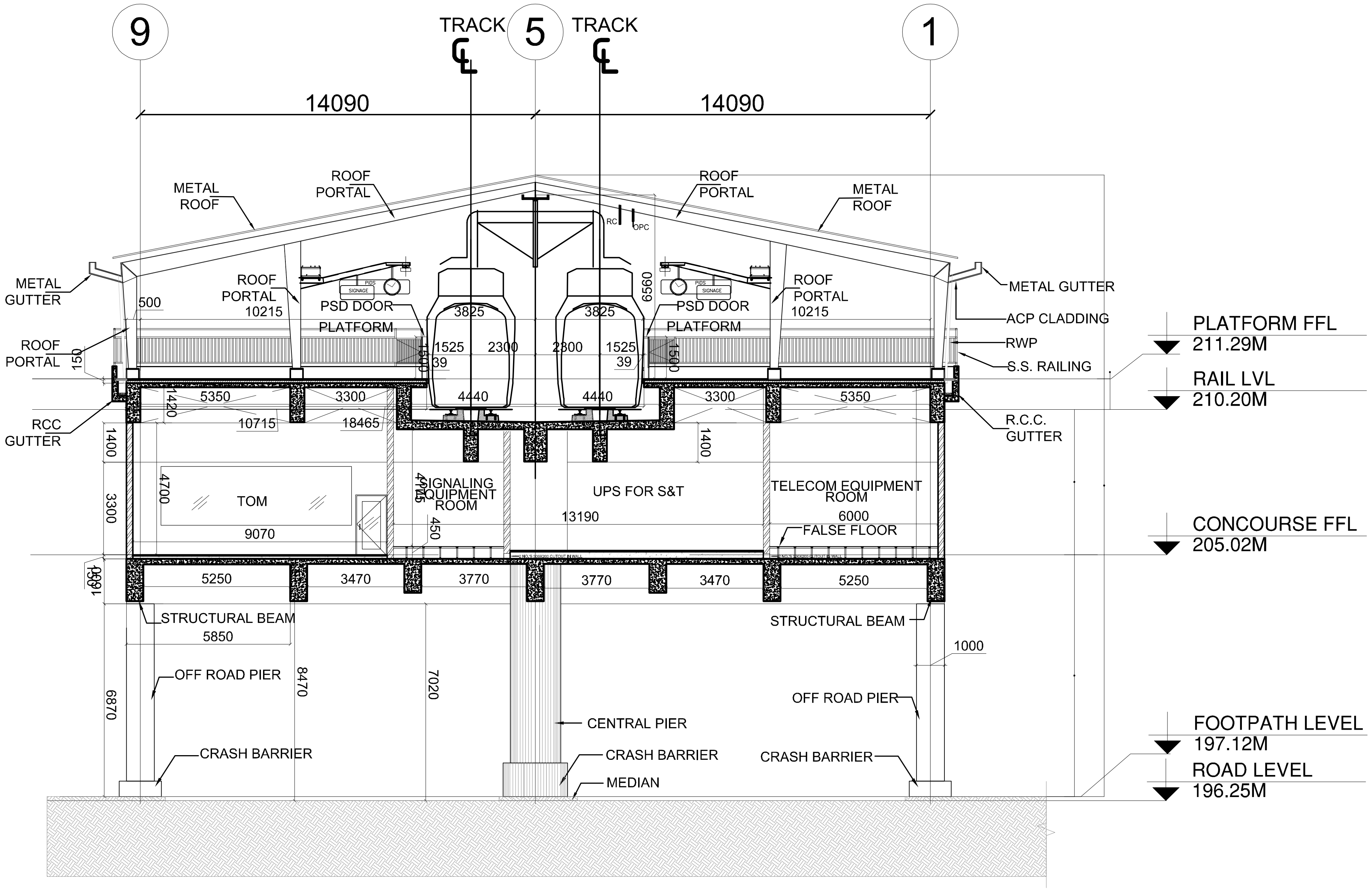
NOTE :-

TENTATIVE TENDER DRAWINGS

NOIDA METRO RAIL CORPORATION LTD.

DWG.	CROSS SECTION A-A	
NMRC/Design/ STN/TD 025	R-0	TENDER DRAWINGS



SECTION B-B

GENERAL NOTES:
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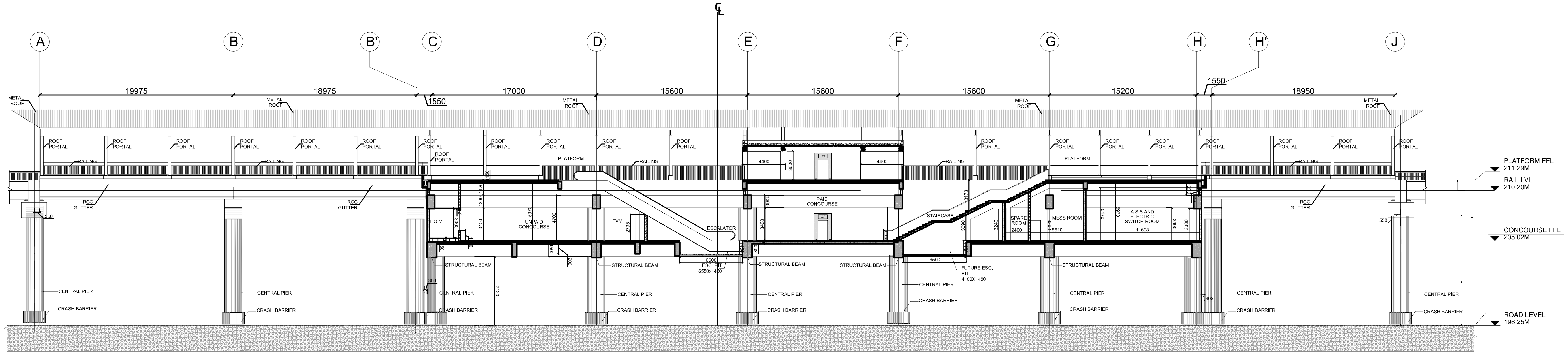
NOTE :-

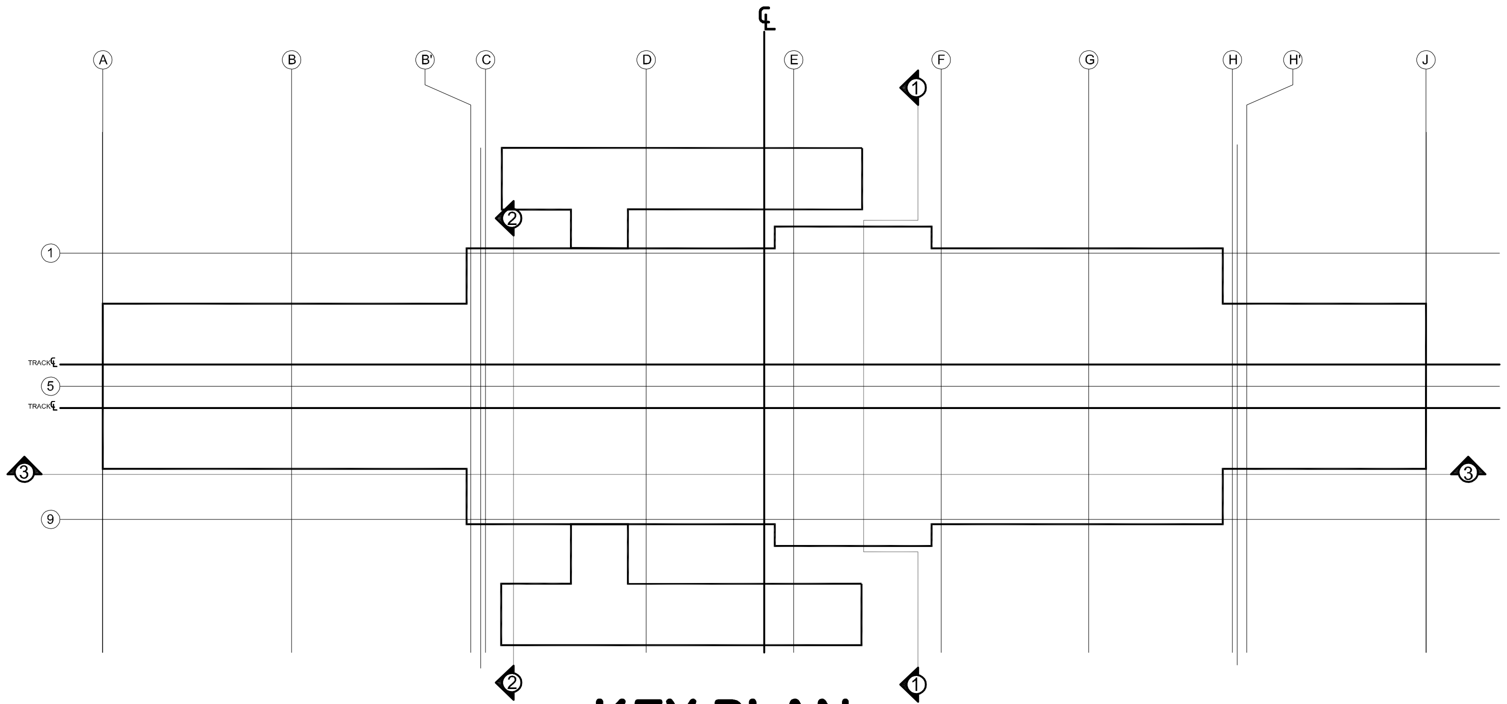
TENTATIVE TENDER DRAWINGS

NOIDA METRO RAIL CORPORATION LTD.

DWG.	CROSS SECTION B-B	
NMRC/Design/ STN/TD 026	R-0	TENDER DRAWINGS



LONGITUDINAL SECTION



KEY PLAN

GENERAL NOTES:

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NOTE :-

TENTATIVE TENDER DRAWINGS

NOIDA METRO RAIL CORPORATION LTD.

DWG.	LONGITUDINAL SECTION	
NMRC/Design/ STN/TD 027	R-0	TENDER DRAWINGS

REV- R-0

NOIDA METRO RAIL CORPORATION LTD.

GENERAL ARRANGEMENT DRAWING

OF

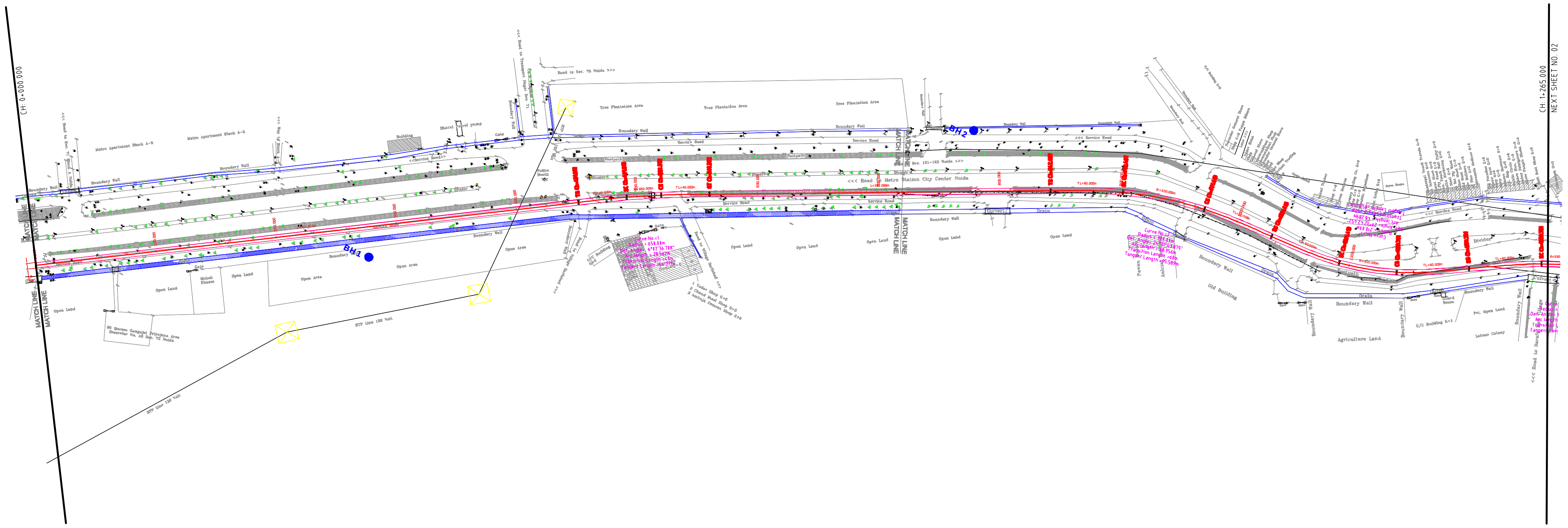
NOIDA - GREATER NOIDA METRO CORRIDOR

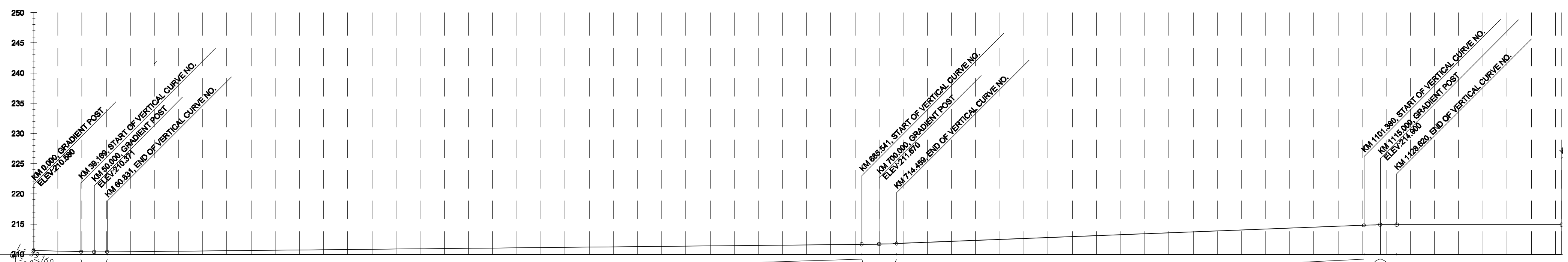
(SEC. 51 NOIDA - SEC.2 GREATER NOIDA)

MARCH- 2020

TO NOIDA CITY CENTRE

TO GREATER NOIDA





VERTICAL ALIGNMENT: L=39.169m Gr=-0.419% | LVC=21.66m R=-3500m | L=624.710m Gr=0.200% | LVC=28.92m R=-5000m | L=386.921m Gr=0.778% | LVC=27.24m R=3500m | L=478.534m Gr=0.000%

HORIZONTAL ALIGNMENT: L=451.810m | L=40m L=28.562m R=650m L=40m | L=282.085m | L=60m L=68.956m R=300m L=60m | L=60m L=48.289m R=-210m L=60m | L=60m L=29.6 R=35

CHAINAGE	GROUND LEVELS	LEVEL DIFF.	RAIL LEVEL
0	200.828	9.754	210.580
20	200.961	9.535	210.496
40	200.968	9.444	210.412
60	200.907	9.484	210.391
80	200.672	9.758	210.430
100	200.765	9.705	210.470
120	200.702	9.808	210.510
140	200.741	9.809	210.550
160	200.708	9.882	210.590
180	200.826	9.804	210.630
200	200.849	9.821	210.670
220	200.912	9.798	210.710
240	200.814	9.936	210.750
260	200.810	9.980	210.790
280	200.800	10.030	210.830
300	200.790	10.080	210.870
320	200.750	10.160	210.910
340	200.727	10.223	210.950
360	200.858	10.132	210.990
380	200.900	10.130	211.030
400	200.940	10.130	211.070
420	200.980	10.130	211.110
440	201.002	10.148	211.150
460	200.772	10.418	211.190
480	201.025	10.205	211.230
500	201.134	10.136	211.270
520	200.721	10.589	211.310
540	200.816	10.534	211.350
560	201.382	10.008	211.390
580	201.341	10.089	211.430
600	200.932	10.538	211.470
620	201.037	10.473	211.510
640	201.074	10.476	211.550
660	201.210	10.380	211.590
680	201.510	10.120	211.630
700	201.435	10.256	211.691
720	200.883	10.943	211.826
740	200.853	11.128	211.981
760	201.282	10.855	212.137
780	200.945	11.348	212.293
800	200.916	11.532	212.448
820	201.221	11.383	212.604
840	201.123	11.637	212.760
860	201.253	11.662	212.915
880	200.758	12.313	213.071
900	200.610	12.617	213.227
920	200.611	12.771	213.382
940	200.744	12.794	213.538
960	200.839	12.855	213.694
980	201.147	12.702	213.849
1000	201.347	12.658	214.005
1020	201.046	13.115	214.161
1040	201.123	13.193	214.316
1060	201.172	13.300	214.472
1080	201.403	13.225	214.628
1100	201.414	13.369	214.783
1120	201.217	13.672	214.889
1140	201.145	13.755	214.900
1160	201.456	13.444	214.900
1180	201.359	13.541	214.900
1200	200.992	13.908	214.900
1220	201.087	13.813	214.900
1240	201.719	13.181	214.900
1260	200.882	14.018	214.900
1265			214.900

LEGEND

SL.NO.	DESCRIPTION	SYMBOL	SL.NO	DESCRIPTION	SYMBOL	SL.NO.	DESCRIPTION	SYMBOL
1.	Road	ROAD	15	Bridge		29	U. P. Pwr. Co. Ltd.	UPPCL 33KV
2	Boundary Wall		16	Bus Stop	B/Stop	30	Signal Post	
3	Footpath		17	Fly Over		31	Control Point	STN
4	Fence		18	Water Pipeline		32	Tree	
5	Electric Line		19	Drain Hole	DH	33	Indraprastha G. Ltd.	
6	POND	POND	20	Man Hole	MH	34	Well	
7	Drain	DRAIN	21	Lamp Post		35	Culvert	Culvert
8	Nala	NALA	22	Optical F-Cable	OFC	36	Junction Box	
9	PARK/GREEN		23	Vodafone OFC	VOP	37	Electric Pole	EP
10	Building	BUILD.	24	Transformer	TF	38	Bore Hole	BH
11	Shop	SHOP	25	Airtel OFC	ATL	39	Sign Board	SB
12	Shed	SHED	26	Flood Light	FL	40	Tree No.	N100
13	Temple	TMPL	27	Km Stone	KMS	41	Gtr.N.Ind.Dvlp.Athty	GNIDA 11KV
14	Gate		28	Handpump	HP	42	Noida.Pwr.Co.Ltd.	NPCL 11KV

TENDER DRAWING

NOTES :-

- ALL DIMENSIONS AND LEVELS ARE IN METRES.

CLIENT: **NOIDA METRO RAIL CORPORATION LTD.**
BLOCK-III, 3rd Floor, Ganga Shopping Complex, Sector-29, Noida-201301

PROJECT: GENERAL ALIGNMENT DRAWING FOR SECTOR-51 TO GREATER NOIDA SEC-2

DRWN	CHK'D	APP'D	DATE
			MARCH.-2020

DRAWING No. NMRC/SECTOR-51 TO SECTOR-2/TENDAR/2020

SHEET NO. 1/1

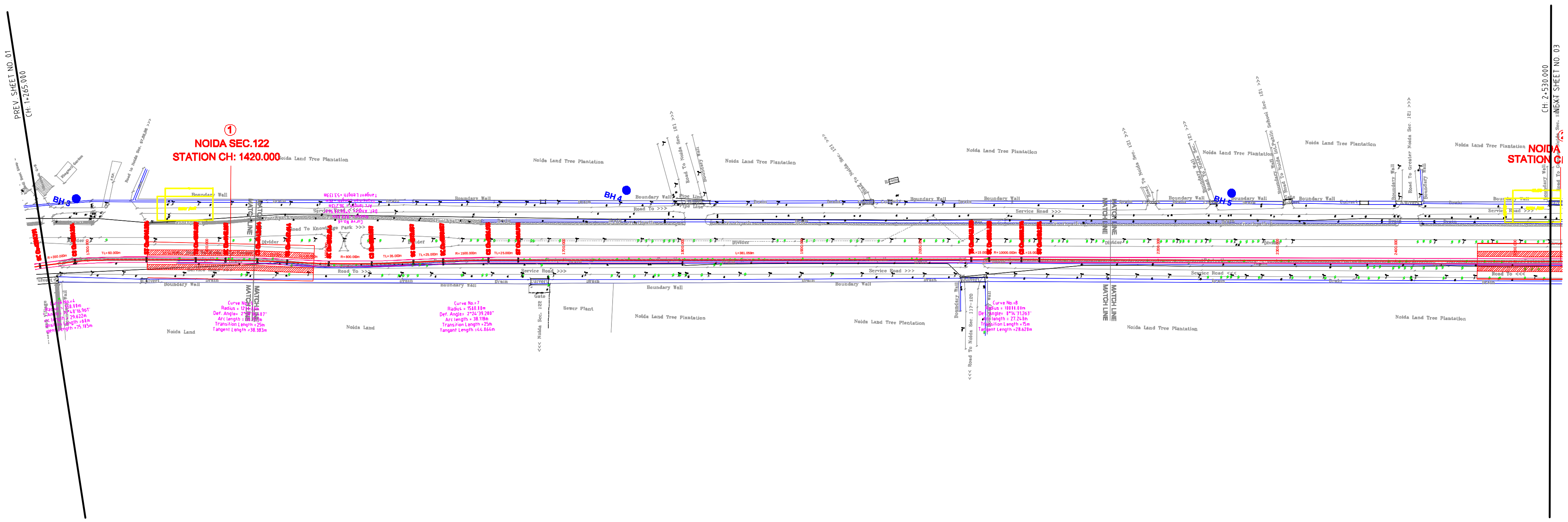
REV. 0

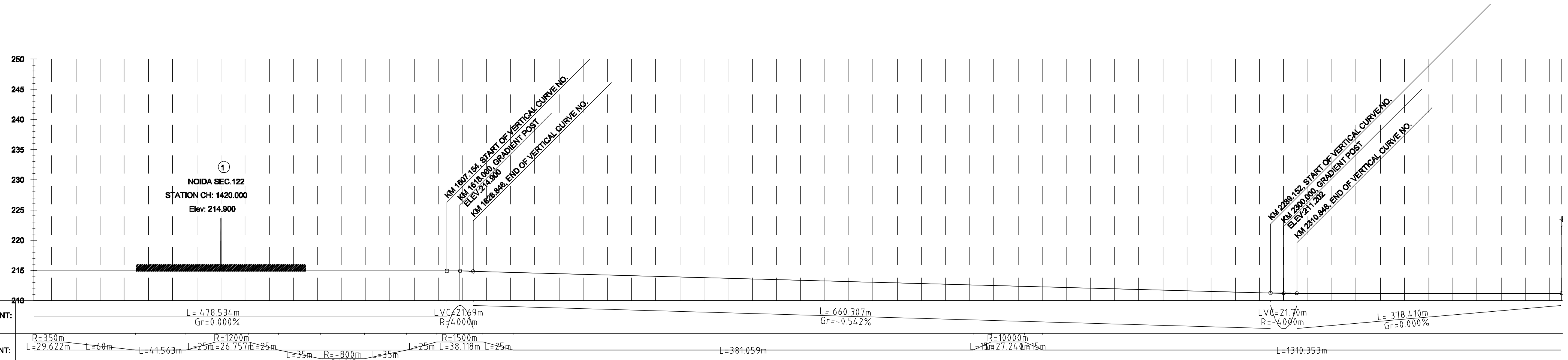
SCALE - 1:1000

FORMAT A 3

TO NOIDA CITY CENTRE

TO GREATER NOIDA





CHAINAGE:	GROUND LEVELS:	LEVEL DIFF.:	RAIL LEVEL:
1265			214.900
1280	200.808	14.092	214.900
1300	201.230	13.670	214.900
1320	200.942	13.958	214.900
1340	201.021	13.879	214.900
1360	200.931	13.969	214.900
1380	200.919	13.981	214.900
1400	201.252	13.648	214.900
1420	201.368	13.532	214.900
1440	201.271	13.629	214.900
1460	200.578	14.322	214.900
1480	201.009	13.891	214.900
1500	200.574	14.326	214.900
1520	201.417	13.483	214.900
1540	201.090	13.810	214.900
1560	201.185	13.715	214.900
1580	201.044	13.856	214.900
1600	200.998	13.902	214.900
1620	201.132	13.747	214.879
1640	200.760	14.021	214.781
1660	201.069	13.603	214.672
1680	200.807	13.757	214.564
1700	200.934	13.521	214.455
1720	201.288	13.059	214.347
1740	201.099	13.139	214.238
1760	201.362	12.768	214.130
1780	201.350	12.671	214.021
1800	201.250	12.663	213.913
1820	201.290	12.515	213.805
1840	201.229	12.467	213.696
1860	201.354	12.234	213.588
1880	201.056	12.423	213.479
1900	201.576	11.795	213.371
1920	201.295	11.967	213.262
1940	201.265	11.889	213.154
1960	201.313	11.732	213.045
1980	201.328	11.609	212.937
2000	201.469	11.359	212.828
2020	201.012	11.708	212.720
2040	200.827	11.785	212.612
2060	201.259	11.244	212.503
2080	200.955	11.440	212.395
2100	201.025	11.261	212.286
2120	201.236	10.942	212.178
2140	201.342	10.727	212.069
2160	201.278	10.683	211.961
2180	200.812	11.040	211.852
2200	201.217	10.527	211.744
2220	201.271	10.364	211.635
2240	201.016	10.511	211.527
2260	201.399	10.020	211.419
2280	201.019	10.291	211.310
2300	201.558	9.658	211.216
2320	201.427	9.775	211.202
2340	201.453	9.749	211.202
2360	201.311	9.891	211.202
2380	201.342	9.860	211.202
2400	201.276	9.926	211.202
2420	200.872	10.330	211.202
2440	201.333	9.869	211.202
2460	201.568	9.634	211.202
2480	201.638	9.564	211.202
2500	201.396	9.806	211.202
2520	200.996	10.206	211.202
2530			211.202

LEGEND

SL.NO.	DESCRIPTION	SYMBOL	SL.NO	DESCRIPTION	SYMBOL	SL.NO.	DESCRIPTION	SYMBOL
1.	Road	ROAD	15	Bridge		29	U. P. Pwr. Co. Ltd.	UPPCL 33KV
2	Boundary Wall		16	Bus Stop	B/Stop	30	Signal Post	
3	Footpath		17	Fly Over		31	Control Point	
4	Fence		18	Water Pipeline		32	Tree	
5	Electric Line		19	Drain Hole	DH	33	Indraprastha G. Ltd.	
6	POND	POND	20	Man Hole	MH	34	Well	
7	Drain	DRAIN	21	Lamp Post		35	Culvert	Culvert
8	Nala	NALA	22	Optical F-Cable	OFC	36	Junction Box	
9	PARK/GREEN		23	Vodafone OFC	VOP	37	Electric Pole	
10	Building	BUILD.	24	Transformer		38	Bore Hole	BH
11	Shop	SHOP	25	Airtel OFC		39	Sign Board	SB
12	Shed	SHED	26	Flood Light	FL	40	Tree No.	N100
13	Temple	TMPL	27	Km Stone	KMS	41	Gtr.N.Ind.Dvlp.Athty	GNIDA 11KV
14	Gate		28	Handpump	HP	42	Noida.Pwr.Co.Ltd.	NPCL

TENDER DRAWING

NOTES :-

☐ ALL DIMENSIONS AND LEVELS ARE IN METRES.

CLIENT: NOIDA METRO RAIL CORPORATION LTD.
BLOCK-III, 3rd Floor, Ganga Shopping Complex, Sector-29, Noida-201301

PROJECT: GENERAL ALIGNMENT DRAWING FOR SECTOR-51 TO GREATER NOIDA SEC-2

DRWN	CHK'D	APP'D	DATE
			MARCH.-2020

DRAWING No. NMRC/SECTOR-51 TO SECTOR-2/TENDAR/2020

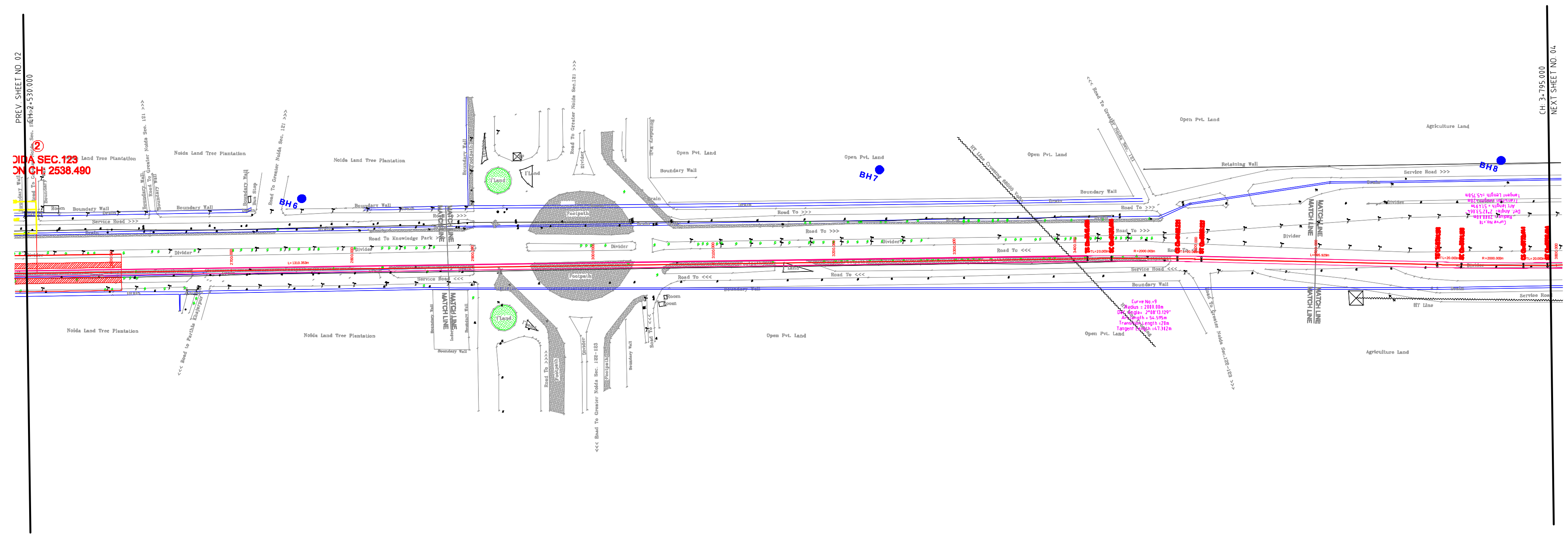
SHEET NO. 2/2

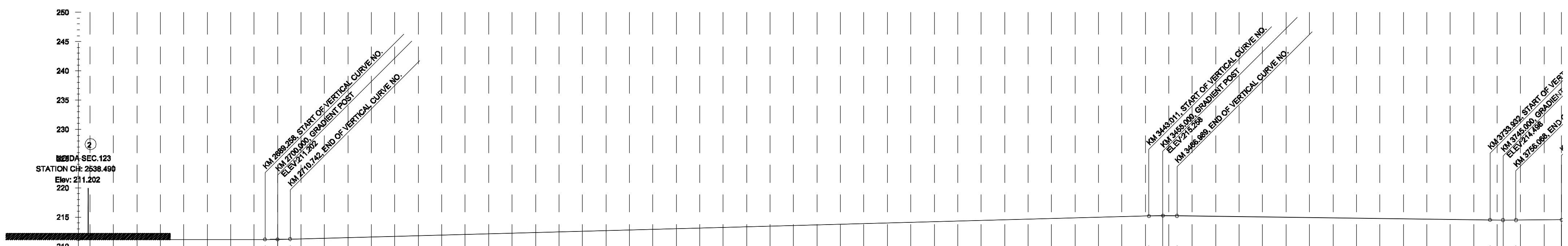
REV. 0

SCALE - 1:1000

FORMAT A 3

TO NOIDA CITY CENTRE ⟵ ⟶ TO GREATER NOIDA





VERTICAL ALIGNMENT: L= 378.410m Gr=0.000% | LVC=21.48m R=-4000m | L= 732.269m Gr=0.537% | LVC=23.98m R=3000m | L= 266.943m Gr=-0.262% | LVC=22.14m R=-4000m Gr=0.18?%

HORIZONTAL ALIGNMENT: L=1310.353m | L=20m R=2000m L=54.595m L=20m | L=195.929m | L=20m R=-2000m L=51.??9m L=20m

CHAINAGE	GROUND LEVELS	LEVEL DIFF.	RAIL LEVEL
2530			211.202
2540	201.293	9.909	211.202
2560	201.077	10.125	211.202
2580	200.878	10.324	211.202
2600	200.961	10.241	211.202
2620	201.179	10.023	211.202
2640	201.136	10.066	211.202
2660	201.162	10.040	211.202
2680	200.908	10.294	211.202
2700	201.078	10.138	211.216
2720	201.049	10.260	211.309
2740	200.949	10.468	211.417
2760	200.922	10.602	211.524
2780	201.511	10.121	211.632
2800	201.268	10.471	211.739
2820	201.290	10.557	211.847
2840	201.240	10.714	211.954
2860	201.128	10.934	212.062
2880	201.342	10.827	212.169
2900	200.806	11.470	212.276
2920	200.892	11.492	212.384
2940	200.717	11.774	212.491
2960	201.347	11.252	212.599
2980	201.590	11.116	212.706
3000	201.653	11.161	212.814
3020	201.887	11.034	212.921
3040	201.720	11.309	213.029
3060	201.561	11.575	213.136
3080	201.562	11.681	213.243
3100	202.012	11.339	213.351
3120	201.908	11.550	213.458
3140	202.095	11.471	213.566
3160	202.141	11.532	213.673
3180	202.450	11.331	213.781
3200	202.878	11.010	213.888
3220	202.969	11.027	213.996
3240	203.119	10.984	214.103
3260	203.378	10.832	214.210
3280	203.408	10.910	214.318
3300	203.635	10.790	214.425
3320	203.803	10.730	214.533
3340	204.033	10.507	214.640
3360	203.917	10.831	214.748
3380	204.341	10.514	214.855
3400	204.455	10.508	214.963
3420	204.685	10.385	215.070
3440	204.785	10.392	215.177
3460	205.025	10.212	215.237
3480	203.909	11.283	215.192
3500	204.264	10.876	215.140
3520	204.159	10.929	215.088
3540	204.179	10.856	215.035
3560	204.029	10.954	214.983
3580	204.212	10.718	214.930
3600	204.323	10.555	214.878
3620	204.440	10.386	214.826
3640	204.627	10.146	214.773
3660	204.265	10.456	214.721
3680	204.209	10.459	214.668
3700	204.260	10.356	214.616
3720	204.159	10.405	214.564
3740	204.509	10.006	214.514
3760	204.550	9.984	214.514
3780	204.642	9.893	214.535
379[illegible]			214.551

L E G E N D

SL.NO.	DESCRIPTION	SYMBOL	SL.NO	DESCRIPTION	SYMBOL	SL.NO.	DESCRIPTION	SYMBOL
1.	Road	ROAD	15	Bridge		29	U. P. Pwr. Co. Ltd.	UPPCL 33KV
2	Boundary Wall		16	Bus Stop	B/Stop	30	Signal Post	
3	Footpath		17	Fly Over		31	Control Point	
4	Fence		18	Water Pipeline		32	Tree	
5	Electric Line		19	Drain Hole	DH	33	Indraprastha G. Ltd.	
6	POND	POND	20	Man Hole	MH	34	Well	
7	Drain	DRAIN	21	Lamp Post		35	Culvert	Culvert
8	Nala	NALA	22	Optical F-Cable	OFC	36	Junction Box	
9	PARK/GREEN		23	Vodafone OFC	VOP	37	Electric Pole	
10	Building	BUILD.	24	Transformer		38	Bore Hole	
11	Shop	SHOP	25	Airtel OFC		39	Sign Board	
12	Shed	SHED	26	Flood Light	FL	40	Tree No.	N100
13	Temple	TMPL	27	Km Stone	KMS	41	Gtr.N.Ind.Dvlp.Athty	GNIDA 11KV
14	Gate		28	Handpump	HP	42	Noida.Pwr.Co.Ltd.	NPCL HT

TENDER DRAWING

NOTES :-

☐ ALL DIMENSIONS AND LEVELS ARE IN METRES.

CLIENT: **NOIDA METRO RAIL CORPORATION LTD.**
BLOCK-III, 3rd Floor, Ganga Shopping Complex, Sector-29, Noida-201301

PROJECT: GENERAL ALIGNMENT DRAWING FOR SECTOR-51 TO GREATER NOIDA SEC-2

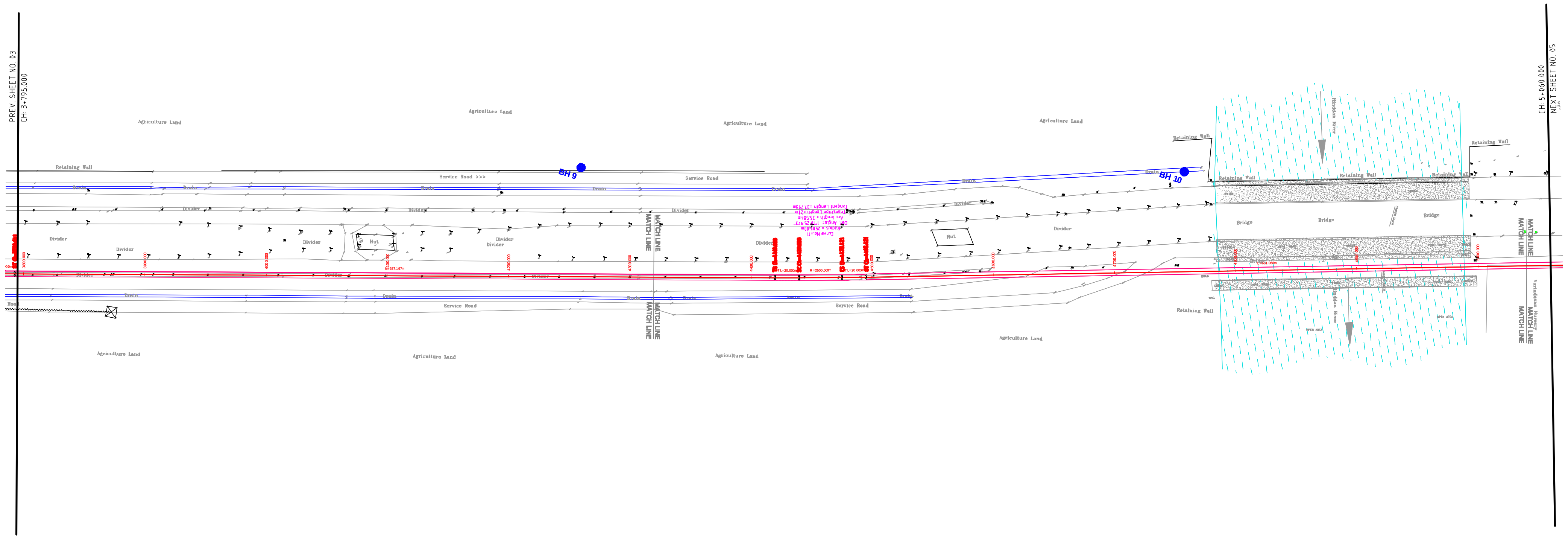
DRWN	CHK'D	APP'D	DATE
			MARCH.-2020

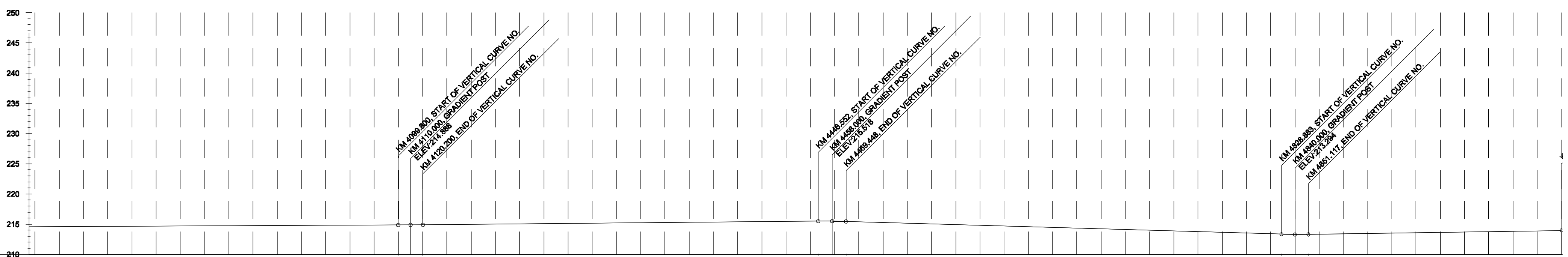
DRAWING No.
NMRC/SECTOR-51 TO SECTOR-2/TENDAR/2020

SHEET NO. 3/3
REV. 0
SCALE - 1:1000
FORMAT A 3

<-- TO NOIDA CITY CENTRE

TO GREATER NOIDA -->





VERTICAL ALIGNMENT: L=343.732m Gr=0.107% | LVC=20.0m R=X7500m | L=326.351m Gr=0.181% | LVC=22.90m R=3000m | L=359.435m Gr=-0.582% | LVC=22.73m R=2500m | L=510.133m Gr=0.307%

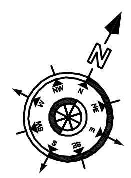
HORIZONTAL ALIGNMENT: L=627.197m | L=20m R=2500m L=20m L=35.584m | L=661.068m

CHAINAGE	GROUND LEVELS	LEVEL DIFF.	RAIL LEVEL
3795			214.551
3800	204.899	9.858	214.557
3820	204.356	10.222	214.578
3840	204.746	9.854	214.600
3860	204.780	9.841	214.621
3880	204.866	9.776	214.642
3900	204.880	9.784	214.664
3920	204.882	9.803	214.685
3940	204.891	9.815	214.706
3960	204.896	9.832	214.728
3980	204.899	9.850	214.749
4000	204.905	9.865	214.770
4020	204.529	10.263	214.792
4040	204.620	10.193	214.813
4060	204.960	9.875	214.835
4080	204.675	10.181	214.856
4100	204.680	10.197	214.877
4120	204.682	10.224	214.906
4140	204.700	10.242	214.942
4160	204.710	10.269	214.979
4180	204.722	10.293	215.015
4200	204.750	10.301	215.051
4220	204.754	10.333	215.087
4240	204.756	10.367	215.123
4260	204.831	10.329	215.160
4280	205.033	10.163	215.196
4300	204.900	10.332	215.232
4320	204.920	10.348	215.268
4340	205.145	10.159	215.304
4360	205.120	10.221	215.341
4380	205.015	10.362	215.377
4400	205.119	10.294	215.413
4420	205.114	10.335	215.449
4440	205.110	10.375	215.485
4460	205.114	10.377	215.491
4480	205.117	10.273	215.390
4500	205.015	10.258	215.273
4520	205.000	10.157	215.157
4540	204.926	10.115	215.041
4560			214.924
4580			214.808
4600			214.691
4620			214.575
4640	204.603	9.855	214.458
4660	204.918	9.424	214.342
4680	204.358	9.868	214.226
4700	204.227	9.882	214.109
4720			213.993
4740			213.876
4760			213.760
4780			213.643
4800			213.527
4820			213.410
4840			213.319
4860			213.355
4880			213.417
4900			213.478
4920			213.540
4940			213.601
4960			213.663
4980			213.724
5000			213.785
5020			213.847
5040			213.908
5060			213.970

LEGEND

SL.NO.	DESCRIPTION	SYMBOL	SL.NO	DESCRIPTION	SYMBOL	SL.NO.	DESCRIPTION	SYMBOL
1.	Road	ROAD	15	Bridge		29	U. P. Pwr. Co. Ltd.	UPPCL 33KV
2	Boundary Wall		16	Bus Stop	B/Stop	30	Signal Post	
3	Footpath		17	Fly Over		31	Control Point	
4	Fence		18	Water Pipeline		32	Tree	
5	Electric Line		19	Drain Hole	DH	33	Indraprastha G. Ltd.	
6	POND	POND	20	Man Hole	MH	34	Well	
7	Drain	DRAIN	21	Lamp Post		35	Culvert	Culvert
8	Nala	NALA	22	Optical F-Cable	OFC	36	Junction Box	
9	PARK/GREEN		23	Vodafone OFC	VOP	37	Electric Pole	
10	Building	BUILD.	24	Transformer		38	Bore Hole	BH
11	Shop	SHOP	25	Airtel OFC		39	Sign Board	SB
12	Shed	SHED	26	Flood Light	FL	40	Tree No.	N100
13	Temple	TMPL	27	Km Stone	KMS	41	Gtr.N.Ind.Dvlp.Athty	GNIDA 11KV
14	Gate		28	Handpump	HP	42	Noida.Pwr.Co.Ltd.	NPCL HT

TENDER DRAWING



NOTES :-

☐ ALL DIMENSIONS AND LEVELS ARE IN METRES.

CLIENT: **NOIDA METRO RAIL CORPORATION LTD.**
BLOCK-III, 3rd Floor, Ganga Shopping Complex, Sector-29, Noida-201301

PROJECT: GENERAL ALIGNMENT DRAWING FOR SECTOR-51 TO GREATER NOIDA SEC-2

DRWN	CHK'D	APP'D	DATE
			MARCH.-2020

DRAWING No. NMRC/SECTOR-51 TO SECTOR-2/TENDAR/2020

SHEET NO. 4/4

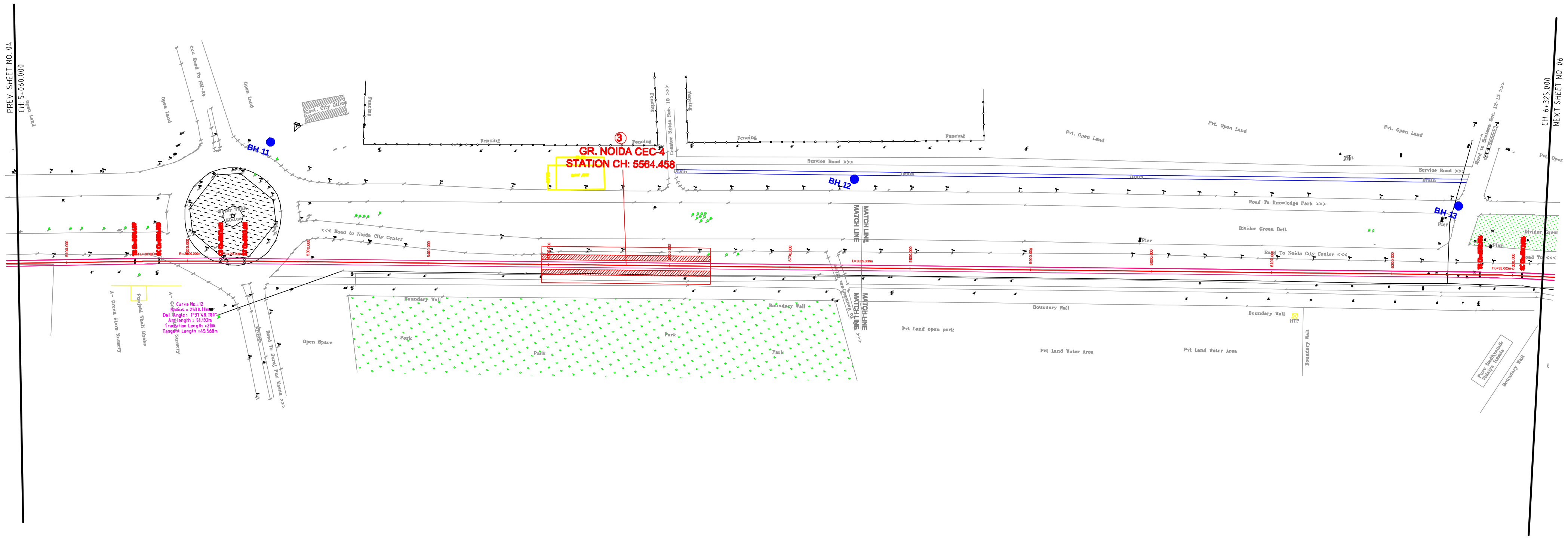
REV. 0

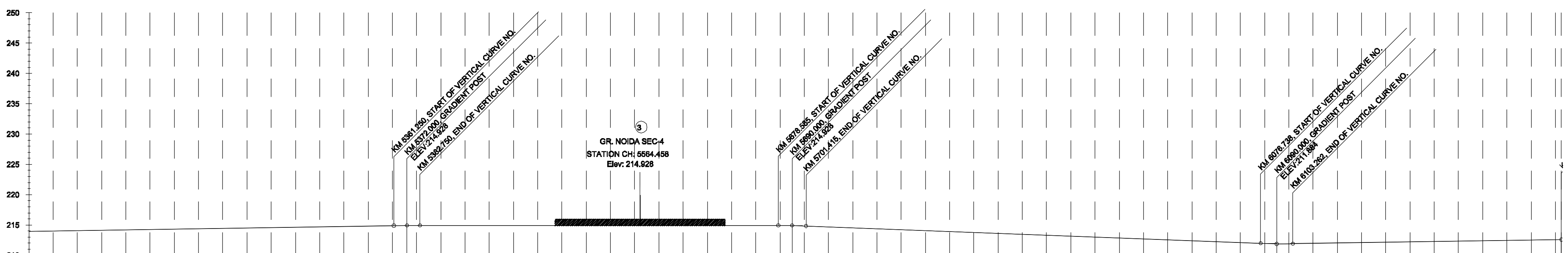
SCALE - 1:1000

FORMAT A 3

← TO NOIDA CITY CENTRE

TO GREATER NOIDA →





VERTICAL ALIGNMENT: L=510.133m Gr=0.301% | LVC=21.50m R=7000m | L=295.835m Gr=-0.000% | LVC=22.83m R=3000m | L=375.323m Gr=-0.761% | LVC=26.50m R=2500m | L=375.738m Gr=0.300%

HORIZONTAL ALIGNMENT: L=661.068m | L=20m | R=2500m L=51.132m | L=20m | L=1025.336m | R=8000 L=35m

CHAINAGE	GROUND LEVELS	LEVEL DIFF.	RAIL LEVEL
5060			213.970
5080			214.031
5100			214.093
5120			214.154
5140			214.215
5160			214.277
5180			214.338
5200			214.400
5220	201.793	12.668	214.461
5240	201.985	12.538	214.523
5260	201.721	12.863	214.584
5280	201.667	12.978	214.645
5300	201.246	13.461	214.707
5320	201.560	13.208	214.768
5340	201.154	13.676	214.830
5360	201.048	13.843	214.891
5380	201.342	13.585	214.927
5400	200.963	13.965	214.928
5420	201.214	13.714	214.928
5440	201.116	13.812	214.928
5460	200.920	14.008	214.928
5480	201.009	13.919	214.928
5500	201.411	13.517	214.928
5520			214.928
5540			214.928
5560			214.928
5580			214.928
5600			214.928
5620	201.571	13.357	214.928
5640	201.266	13.662	214.928
5660	201.345	13.583	214.928
5680	201.679	13.249	214.928
5700	201.578	13.274	214.852
5720	201.492	13.208	214.700
5740	201.423	13.124	214.547
5760	201.606	12.789	214.395
5780	201.601	12.842	214.243
5800	201.642	12.449	214.091
5820	201.660	12.279	213.939
5840	201.697	12.089	213.786
5860	201.562	12.072	213.634
5880	201.583	11.899	213.482
5900			213.330
5920			213.178
5940			213.025
5960			212.873
5980			212.721
6000			212.569
6020	202.147	10.270	212.417
6040	202.115	10.150	212.265
6060	202.112	10.000	212.112
6080	202.078	9.864	211.962
6100	201.835	10.081	211.916
6120	201.991	9.983	211.974
6140	202.052	9.982	212.034
6160	202.123	9.971	212.094
6180	201.882	10.272	212.154
6200	201.941	10.273	212.214
6220	202.078	10.196	212.274
6240	201.619	10.715	212.334
6260	201.661	10.733	212.394
6280	202.318	10.136	212.454
6300	202.200	10.314	212.514
6320	201.969	10.805	212.574
[illegible]			[illegible]

L E G E N D

SL.NO.	DESCRIPTION	SYMBOL	SL.NO	DESCRIPTION	SYMBOL	SL.NO.	DESCRIPTION	SYMBOL
1.	Road	ROAD	15	Bridge		29	U. P. Pwr. Co. Ltd.	UPPCL 33KV
2	Boundary Wall		16	Bus Stop	B/Stop	30	Signal Post	
3	Footpath		17	Fly Over		31	Control Point	
4	Fence		18	Water Pipeline		32	Tree	
5	Electric Line		19	Drain Hole	DH	33	Indraprastha G. Ltd.	
6	POND	POND	20	Man Hole	MH	34	Well	
7	Drain	DRAIN	21	Lamp Post		35	Culvert	Culvert
8	Nala	NALA	22	Optical F-Cable	OFC	36	Junction Box	
9	PARK/GREEN		23	Vodafone OFC	VOF	37	Electric Pole	
10	Building	BUILD.	24	Transformer		38	Bore Hole	
11	Shop	SHOP	25	Airtel OFC		39	Sign Board	
12	Shed	SHED	26	Flood Light	FL	40	Tree No.	N100
13	Temple	TMPL	27	Km Stone	KMS	41	Gtr.N.Ind.Dvlp.Athty	GNIDA 11KV
14	Gate		28	Handpump	HP	42	Noida.Pwr.Co.Ltd.	NPCL 11KV

TENDER DRAWING

NOTES :-

☐ ALL DIMENSIONS AND LEVELS ARE IN METRES.

CLIENT: NOIDA METRO RAIL CORPORATION LTD.
BLOCK-III, 3rd Floor, Ganga Shopping Complex, Sector-29, Noida-201301

PROJECT: GENERAL ALIGNMENT DRAWING FOR SECTOR-51 TO GREATER NOIDA SEC-2

DRWN	CHK'D	APP'D	DATE
			MARCH.-2020

DRAWING No. NMRC/SECTOR-51 TO SECTOR-2/TENDAR/2020

SHEET NO. 5/5

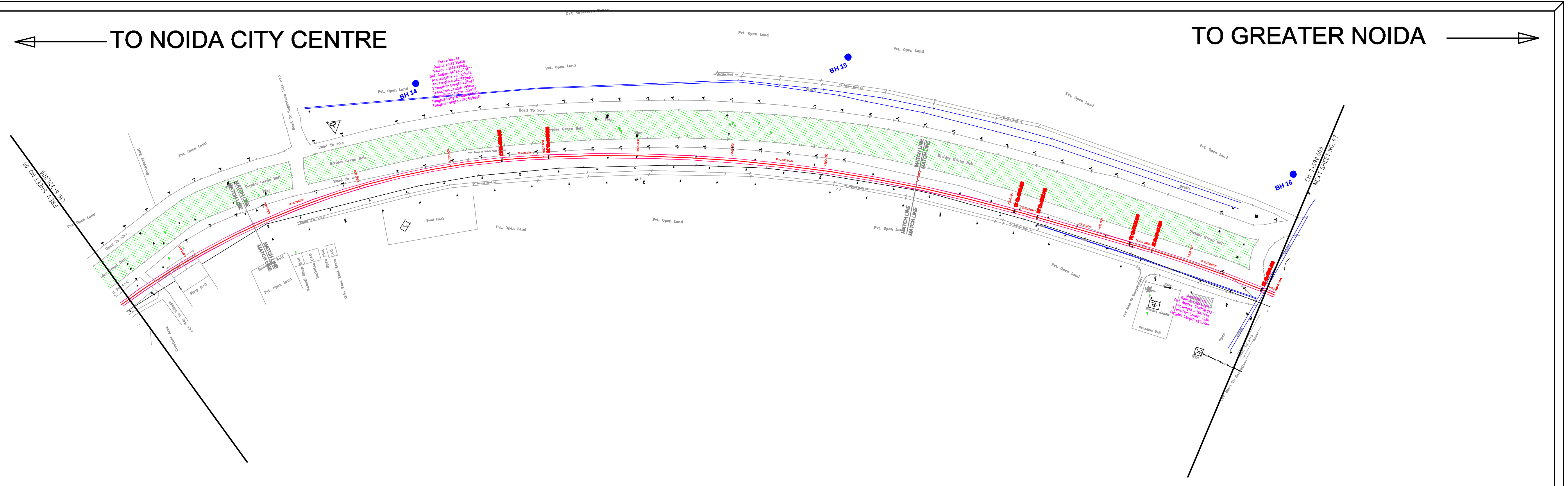
REV. 0

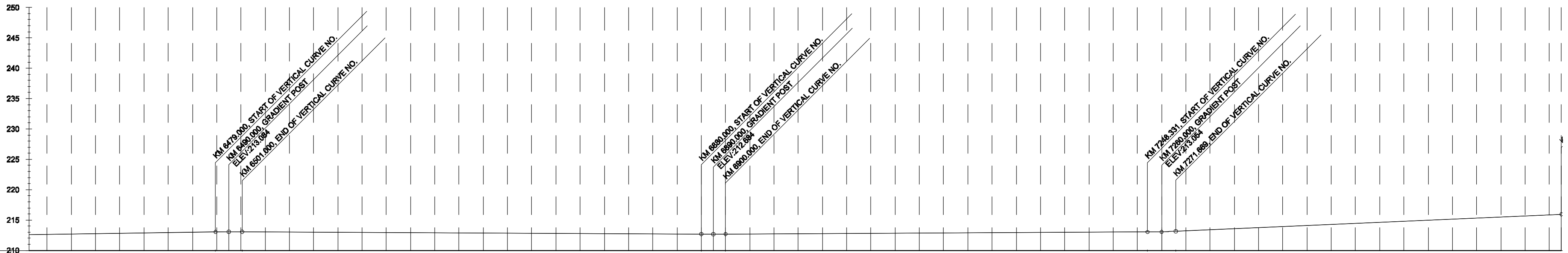
SCALE - 1:1000

FORMAT A 3

TO NOIDA CITY CENTRE

TO GREATER NOIDA





VERTICAL ALIGNMENT: L=375.738m Gr=0.300% | LVC=22.00m R=5500m | L=379.000m Gr=-0.100% | LVC=20.00m R=10000m | L=348.331m Gr=0.100% | LVC=23.34m R=3000m | L=367.358m Gr=0.878%

HORIZONTAL ALIGNMENT: R=800m L=447.129m | L=50m | R=1600m L=502.820m | L=25m | L=102.924m | L=25m | R=1200m L=124.161m | L=25m

CHAINAGE:	GROUND LEVELS:	LEVEL DIFF.:	RAIL LEVEL:
6325			212.589
6340	202.114	10.520	212.634
6360	202.169	10.525	212.694
6380			212.754
6400	203.140	9.674	212.814
6420			212.874
6440			212.934
6460			212.994
6480			213.054
6500	202.012	11.062	213.074
6520	202.070	10.984	213.054
6540	202.122	10.912	213.034
6560	202.739	10.275	213.014
6580	202.628	10.366	212.994
6600	202.248	10.726	212.974
6620	202.457	10.487	212.954
6640	202.719	10.215	212.934
6660	202.666	10.248	212.914
6680	202.683	10.211	212.894
6700	202.607	10.267	212.874
6720	202.338	10.516	212.854
6740	202.842	9.992	212.834
6760	202.791	10.023	212.814
6780	202.538	10.256	212.794
6800	202.626	10.148	212.774
6820	202.621	10.133	212.754
6840	202.460	10.274	212.734
6860	202.729	9.985	212.714
6880	202.736	9.958	212.694
6900	202.694	10.000	212.694
6920	202.622	10.092	212.714
6940	202.749	9.985	212.734
6960	202.543	10.211	212.754
6980	202.616	10.158	212.774
7000	202.772	10.022	212.794
7020	202.712	10.102	212.814
7040	202.285	10.549	212.834
7060	202.698	10.156	212.854
7080			212.874
7100	202.486	10.408	212.894
7120	202.790	10.124	212.914
7140	202.739	10.195	212.934
7160	202.640	10.314	212.954
7180	202.548	10.426	212.974
7200	202.330	10.664	212.994
7220	202.656	10.358	213.014
7240	202.960	10.074	213.034
7260	203.079	9.998	213.077
7280	203.160	10.070	213.230
7300	203.149	10.256	213.405
7320	203.071	10.510	213.581
7340	203.066	10.680	213.756
7360	203.225	10.707	213.932
7380	203.200	10.908	214.108
7400	203.247	11.036	214.283
7420	203.367	11.072	214.459
7440	203.401	11.233	214.634
7460	202.516	12.294	214.810
7480	202.684	12.301	214.985
7500	202.777	12.384	215.161
7520	202.852	12.485	215.337
7540	202.853	12.659	215.512
7560	202.979	12.709	215.688
7580	202.996	12.867	215.863
7590			215.941

LEGEND

SL.NO.	DESCRIPTION	SYMBOL	SL.NO	DESCRIPTION	SYMBOL	SL.NO.	DESCRIPTION	SYMBOL
1.	Road	ROAD	15	Bridge		29	U. P. Pwr. Co. Ltd.	UPPCL 33KV
2	Boundary Wall		16	Bus Stop	B/Stop	30	Signal Post	
3	Footpath		17	Fly Over		31	Control Point	STN
4	Fence		18	Water Pipeline		32	Tree	
5	Electric Line		19	Drain Hole	DH	33	Indraprastha G. Ltd.	
6	POND	POND	20	Man Hole	MH	34	Well	
7	Drain	DRAIN	21	Lamp Post		35	Culvert	Culvert
8	Nala	NALA	22	Optical F-Cable	OFC	36	Junction Box	
9	PARK/GREEN		23	Vodafone OFC	VOF	37	Electric Pole	EP
10	Building	BUILD.	24	Transformer	TF	38	Bore Hole	BH
11	Shop	SHOP	25	Airtel OFC	AFTL	39	Sign Board	SB
12	Shed	SHED	26	Flood Light	FL	40	Tree No.	N100
13	Temple	TMPL	27	Km Stone	KMS	41	Gtr.N.Ind.Dvlp.Athty	GNIDA 11KV
14	Gate		28	Handpump	HP	42	Noida.Pwr.Co.Ltd.	NPCL 11KV

TENDER DRAWING

NOTES :-

☐ ALL DIMENSIONS AND LEVELS ARE IN METRES.

CLIENT: NOIDA METRO RAIL CORPORATION LTD.
BLOCK-III, 3rd Floor, Ganga Shopping Complex, Sector-29, Noida-201301

PROJECT: GENERAL ALIGNMENT DRAWING FOR SECTOR-51 TO GREATER NOIDA SEC-2

DRWN	CHK'D	APP'D	DATE
			MARCH.-2020

DRAWING No. NMRC/SECTOR-51 TO SECTOR-2/TENDAR/2020

SCALE - 1:1000

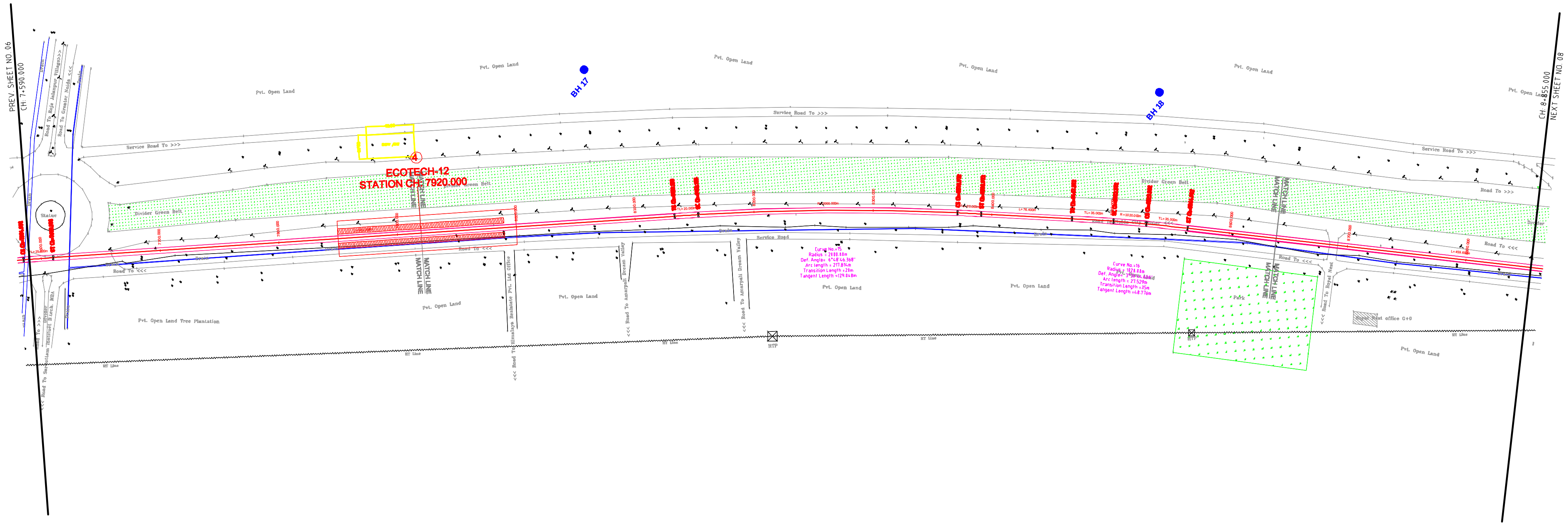
SHEET NO. 6/6

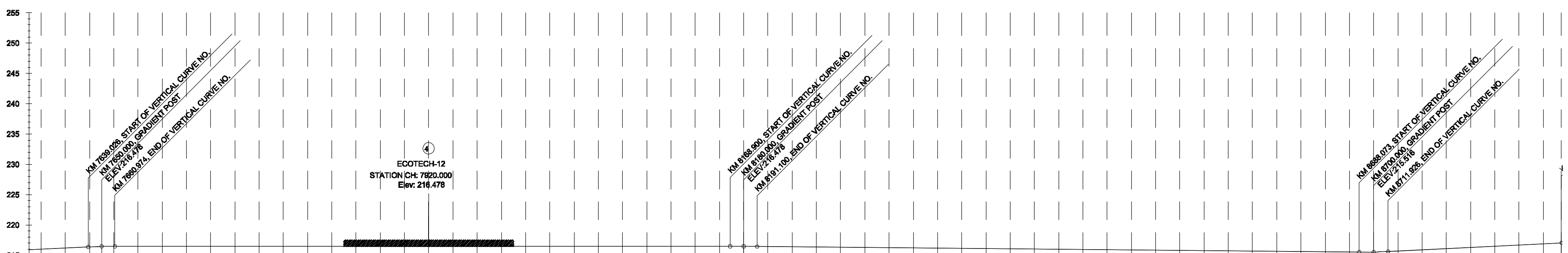
REV. 0

FORMAT A 3

TO NOIDA CITY CENTRE

TO GREATER NOIDA





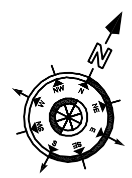
VERTICAL ALIGNMENT:	L = 367.358m Gr=0.878%	LVC=21.95m R=2500m	L = 507.926m Gr=0.000%	LVC=22.20m R=12000m	L = 496.973m Gr=-0.185%	LVC=23.85m R=2000m	L = 417.997m Gr=1.008%
HORIZONTAL ALIGNMENT:	L=25m	L=523.168m	L=20m	R=2000m L=217.814m	L=29m L=76.400m	R=1020m L=35m L=27.529m L=35m	L=459.692m

CHAINAGE:	GROUND LEVELS:	LEVEL DIFF.:	PROPOSED FORMATION LEVEL:
7590			215.951
7600	203.170	12.869	216.039
7620	203.035	13.180	216.215
7640	203.047	13.343	216.390
7660	203.042	13.436	216.478
7680	203.035	13.443	216.478
7700	202.720	13.758	216.478
7720	202.916	13.562	216.478
7740	203.064	13.414	216.478
7760	202.855	13.623	216.478
7780	203.135	13.343	216.478
7800	202.918	13.560	216.478
7820	203.035	13.443	216.478
7840	203.095	13.383	216.478
7860	203.079	13.399	216.478
7880	203.163	13.315	216.478
7900	203.583	12.895	216.478
7920	203.380	13.098	216.478
7940	203.351	13.127	216.478
7960	203.455	13.023	216.478
7980	203.673	12.805	216.478
8000	203.442	13.036	216.478
8020	203.507	12.971	216.478
8040	203.557	12.921	216.478
8060	203.664	12.814	216.478
8080	203.966	12.512	216.478
8100	203.858	12.620	216.478
8120	204.259	12.219	216.478
8140	204.335	12.143	216.478
8160	204.504	11.974	216.478
8180	204.529	11.944	216.473
8200	204.829	11.612	216.441
8220	204.698	11.706	216.404
8240	204.646	11.721	216.367
8260	204.491	11.839	216.330
8280	204.571	11.722	216.293
8300	204.598	11.658	216.256
8320	204.862	11.357	216.219
8340	204.758	11.424	216.182
8360	204.888	11.257	216.145
8380	205.210	10.898	216.108
8400	205.258	10.813	216.071
8420	205.168	10.866	216.034
8440	204.897	11.100	215.997
8460	204.901	11.059	215.960
8480	204.956	10.967	215.923
8500	205.004	10.882	215.886
8520	205.119	10.730	215.849
8540	205.426	10.386	215.812
8560	205.321	10.454	215.775
8580	205.459	10.279	215.738
8600	205.125	10.576	215.701
8620	205.176	10.488	215.664
8640	205.360	10.267	215.627
8660	205.631	9.959	215.590
8680	205.516	10.037	215.553
8700	205.233	10.319	215.552
8720	205.333	10.385	215.718
8740	205.666	10.253	215.919
8760	205.312	10.809	216.121
8780	205.637	10.685	216.322
8800	205.740	10.784	216.524
8820	205.827	10.898	216.725
8840	205.828	11.099	216.927
8855			217.078

L E G E N D

SL.NO.	DESCRIPTION	SYMBOL	SL.NO	DESCRIPTION	SYMBOL	SL.NO.	DESCRIPTION	SYMBOL
1.	Road	ROAD	15	Bridge		29	U. P. Pwr. Co. Ltd.	UPPCL 33KV
2	Boundary Wall		16	Bus Stop	B/Stop	30	Signal Post	
3	Footpath		17	Fly Over		31	Control Point	
4	Fence		18	Water Pipeline		32	Tree	
5	Electric Line		19	Drain Hole	DH	33	Indraprastha G. Ltd.	
6	POND	POND	20	Man Hole	MH	34	Well	
7	Drain	DRAIN	21	Lamp Post		35	Culvert	Culvert
8	Nala	NALA	22	Optical F-Cable	OFC	36	Junction Box	
9	PARK/GREEN		23	Vodafone OFC	VOF	37	Electric Pole	
10	Building	BUILD.	24	Transformer		38	Bore Hole	BH
11	Shop	SHOP	25	Airtel OFC		39	Sign Board	SB
12	Shed	SHED	26	Flood Light	FL	40	Tree No.	N100
13	Temple	TMPL	27	Km Stone	KMS	41	Gtr.N.Ind.Dvlp.Athty	GNIDA 11KV
14	Gate		28	Handpump	HP	42	Noida.Pwr.Co.Ltd.	NPCL

TENDER DRAWING



NOTES :-

☐ ALL DIMENSIONS AND LEVELS ARE IN METRES.

CLIENT: **NOIDA METRO RAIL CORPORATION LTD.**
BLOCK-III, 3rd Floor, Ganga Shopping Complex, Sector-29, Noida-201301

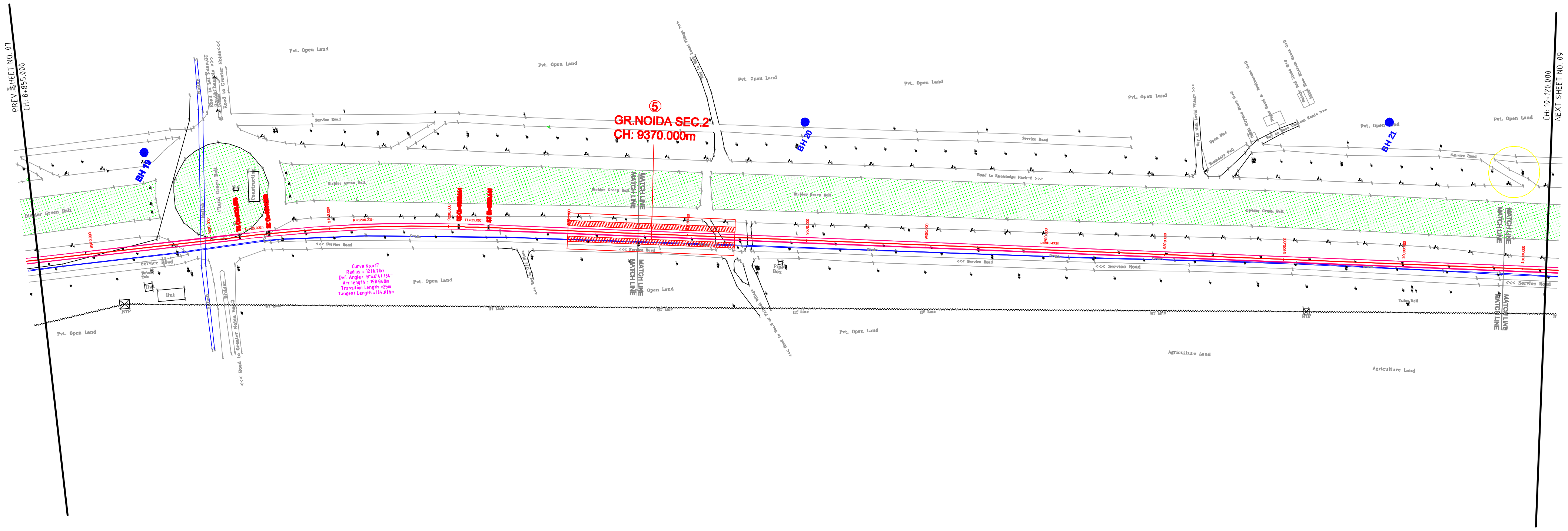
PROJECT: GENERAL ALIGNMENT DRAWING FOR SECTOR-51 TO GREATER NOIDA SEC-2

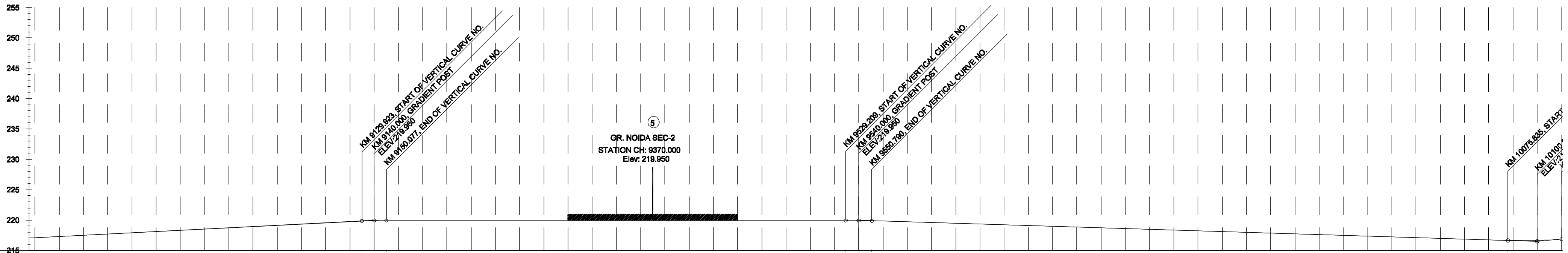
DRWN	CHK'D	APP'D	DATE
			MARCH.-2020

DRAWING No.	SHEET NO. 7/7
NMRC/SECTOR-51 TO SECTOR-2/TENDAR/2020	REV. 0
SCALE - 1:1000	FORMAT A 3

← TO NOIDA CITY CENTRE

TO GREATER NOIDA →





VERTICAL ALIGNMENT: L= 417.997m Gr=1.008% ; LVC=20.15m R=2000m ; L= 379.132m Gr=-0.000% ; LVC=21.58m R=3500m ; L= 525.045m Gr=-0.617% ; LVC=48.33m R=-2000m

HORIZONTAL ALIGNMENT: L=459.692m ; L=25m ; R=1200m L=158.848m ; L=25m ; L=940.432m

CHAINAGE:	GROUND LEVELS:	LEVEL DIFF.:	PROPOSED FORMATION LEVEL:
8855			217.078
8860	205.765	11.363	217.128
8880	205.752	11.578	217.330
8900	206.193	11.338	217.531
8920	206.467	11.266	217.733
8940	206.572	11.363	217.935
8960	207.043	11.093	218.136
8980	206.986	11.352	218.338
9000	206.714	11.825	218.539
9020	206.922	11.819	218.741
9040	206.734	12.208	218.942
9060	206.610	12.534	219.144
9080	206.464	12.881	219.345
9100	206.312	13.235	219.547
9120	206.260	13.488	219.748
9140	206.336	13.589	219.925
9160	206.208	13.742	219.950
9180	206.233	13.717	219.950
9200	206.221	13.729	219.950
9220	206.381	13.569	219.950
9240	206.321	13.629	219.950
9260	206.332	13.618	219.950
9280	206.332	13.618	219.950
9300	206.329	13.621	219.950
9320	206.366	13.582	219.950
9340	206.473	13.477	219.950
9360	206.439	13.511	219.950
9380			219.950
9400			219.950
9420			219.950
9440			219.950
9460			219.950
9480			219.950
9500			219.950
9520			219.950
9540			219.933
9560			219.827
9580			219.703
9600			219.580
9620			219.457
9640			219.333
9660			219.210
9680			219.087
9700			218.963
9720			218.840
9740			218.717
9760			218.593
9780			218.470
9800			218.347
9820			218.224
9840			218.100
9860			217.977
9880			217.854
9900			217.730
9920			217.607
9940			217.484
9960			217.360
9980			217.237
10000			217.114
10020			216.990
10040			216.867
10060			216.744
10080			216.625
10100			216.643
10120			216.861

LEGEND

SL.NO.	DESCRIPTION	SYMBOL	SL.NO	DESCRIPTION	SYMBOL	SL.NO.	DESCRIPTION	SYMBOL
1.	Road	ROAD	15	Bridge		29	U. P. Pwr. Co. Ltd.	UPPCL 33KV
2	Boundary Wall		16	Bus Stop	B/Stop	30	Signal Post	
3	Footpath		17	Fly Over		31	Control Point	
4	Fence		18	Water Pipeline		32	Tree	
5	Electric Line		19	Drain Hole	DH	33	Indraprastha G. Ltd.	
6	POND	POND	20	Man Hole		34	Well	
7	Drain	DRAIN	21	Lamp Post		35	Culvert	Culvert
8	Nala	NALA	22	Optical F-Cable	OFC	36	Junction Box	
9	PARK/GREEN		23	Vodafone OFC		37	Electric Pole	
10	Building	BUILD.	24	Transformer		38	Bore Hole	
11	Shop	SHOP	25	Airtel OFC		39	Sign Board	
12	Shed	SHED	26	Flood Light	FL	40	Tree No.	N100
13	Temple	TMPL	27	Km Stone	KMS	41	Gtr.N.Ind.Dvlp.Athty	GNIDA 11KV
14	Gate		28	Handpump	HP	42	Noida.Pwr.Co.Ltd.	NPCL HT

TENDER DRAWING

NOTES :-

☐ ALL DIMENSIONS AND LEVELS ARE IN METRES.

CLIENT: **NOIDA METRO RAIL CORPORATION LTD.**

BLOCK-III, 3rd Floor, Ganga Shopping Complex, Sector-29, Noida-201301

PROJECT: GENERAL ALIGNMENT DRAWING FOR SECTOR-51 TO GREATER NOIDA SEC-2

DRWN	CHK'D	APP'D	DATE
			MARCH-2020

DRAWING No. NMRC/SECTOR-51 TO SECTOR-2/TENDAR/2020

SHEET NO. 8/8

REV. 0

SCALE - 1:1000

FORMAT A 3