



DESIGN, SUPPLY, CONSTRUCTION, INSTALLATION, TESTING AND COMMISSIONING OF 2X25 KV AC ELECTRIFICATION, SIGNALING & TELECOMMUNICATION, E&M AND ASSOCIATED WORKS ON DESIGN – BUILD LUMP SUM BASIS FOR KHURJA – PILKHANI SECTION (APPROXIMATELY 220 ROUTE KM OF SINGLE LINE) OF EASTERN DEDICATED FREIGHT CORRIDOR.

CONTRACT PACKAGE – 305

ICB No.: HQ/SYS/EC/D-B/Khurja – Pilkhani

(Part – 4 Reference Document)

OTHER DRAWINGS – VOLUME – 5.3

KHURJA TO PILKHANI

From Km 1367 (ALJN-GZB) to Km 187.500 (SRE-UMB)

OTHER DRAWINGS

EMPLOYER

DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD

(A GOVERNMENT OF INDIA ENTERPRISE)

MINISTRY OF RAILWAYS

COUNTRY: INDIA

CONTENTS YARD PLAN (CONTRACT PACKAGE 305)

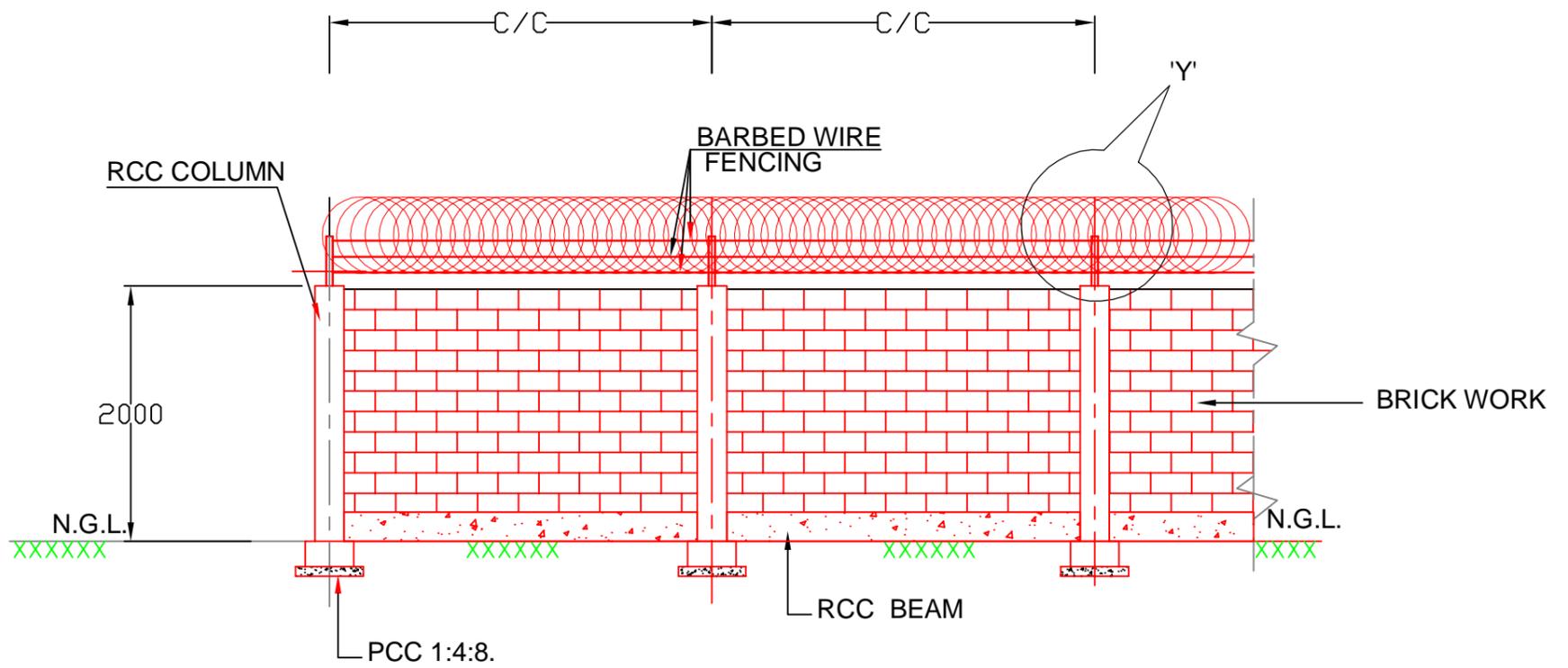
SN	Description	Sheet No.	Revision No.	Remarks
1.	TYPICAL GAD FOR BOUNDARY WALL	DFCC/BOUNDARY/WALL/ TYP-001		
2.	TYPICAL GAD FOR STATION BUILDING FOR CROSSING STATION (GF)	GC/DFCC/CS/201/REV.1		
3.	TYPICAL GAD FOR STATION BUILDING FOR CROSSING STATION (FF & RL)	GC/DFCC/CS/202/REV.1		
4.	TYPICAL GAD FOR STATION BUILDING FOR CROSSING STATION (ELEVATION)	GC/DFCC/CS/203/REV.1		
5.	TYPICAL GAD FOR LG GATE LODGE	GC/DFCC/CS/203/REV.1		
6.	TYPICAL GAD FOR INTEGRATED MAINTENANCE DEPOT (IMD)	GC/DFCC/IMD/201		
7.	TYPICAL GAD FOR INTEGRATED MAINTENANCE SUB DEPOT (IMSD)	GC/DFCC/IIMD/401		
8.	TYPICAL DRAWINGS FOR SEE THROUGH FENCING	DFC/2015/FEN/TYP		
9.	TYPICAL GAD FOR TYPE 'A' QUARTER	GC/DFCC/QRTS/701		
10.	TYPICAL GAD FOR TYPE 'B' QUARTER	GC/DFCC/QRTS/702		
11.	TYPICAL GAD FOR TYPE 'C' QUARTER	GC/DFCC/QRTS/703		
12.	TYPICAL GAD FOR EARTHING ARRANGEMENT ON BRIDGES	HQ/EL/OHE/Pt.1/Earthing		
13.	TYPICAL DRAWINGS FOR FIXING OF OHE MAST ON BRIDGE PIER	HQ/EL/OHE/Pt.1/Mast		
14.	TYPICAL DRAWINGS MINIMUM BALLAST PROFILE B.G. FOR LOOPS FOR STRAIGHT CURVES	DFC/2015/BF/01		
15.	TYPICAL DRAWINGS MINIMUM BALLAST PROFILE SINGLE LINE B.G. FOR LOOPS FOR STRAIGHT CURVES	DFC/2015/BF/02		
16.	TYPICAL DRAWING FOR TYPE II IR QUARTERS	DCW/CE/P/17/82		
17.	TYPICAL DRAWING FOR TYPE III IR QUARTERS	DCW/CE/P/18/82		
18.	SITE PLAN OF BHARAT PETROLEUM DEPOT	DFC/2016/BPD		

CONTRACT PACKAGE: 305

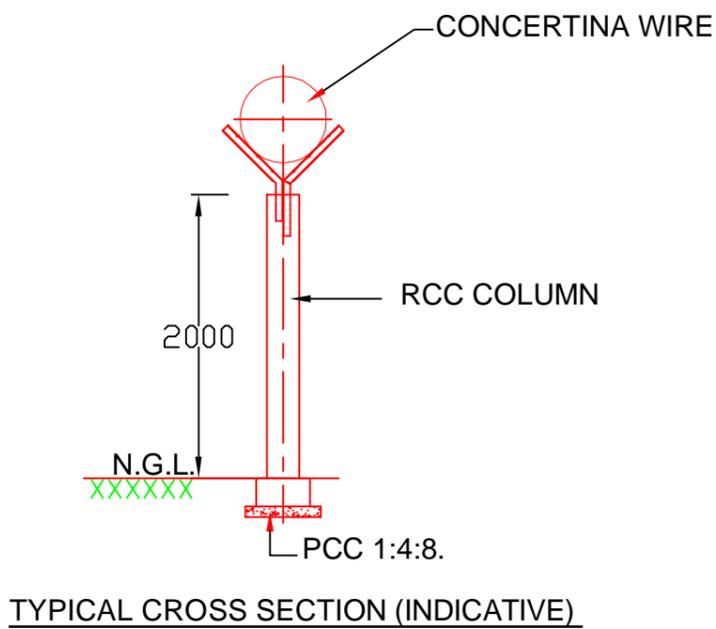
KHURJA TO PILKHANI

FROM Km (ALJN-GZB) to Km 187.5 (SRE-UMB)

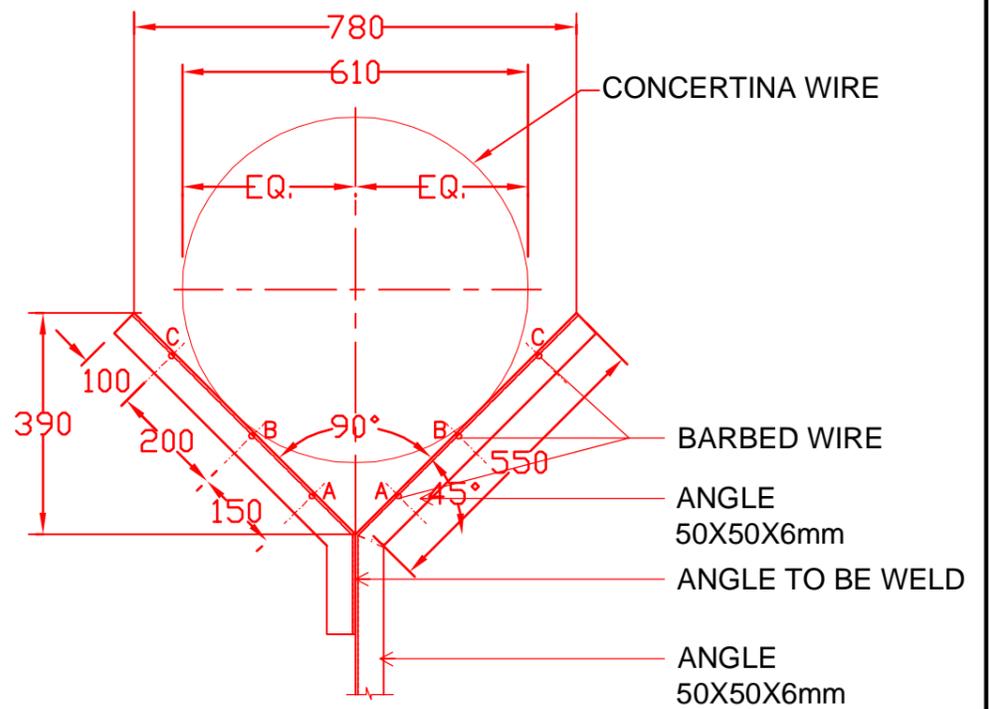
OTHER DRAWINGS



ELEVATION OF BOUNDARY WALL



TYPICAL CROSS SECTION (INDICATIVE)



DETAIL AT 'Y'
TYPICAL ARRANGEMENT OF Y - POST
CONCERTINA WIRE 610mm DIA
AND BARBED WIRE

INDICATIVE DRAWING

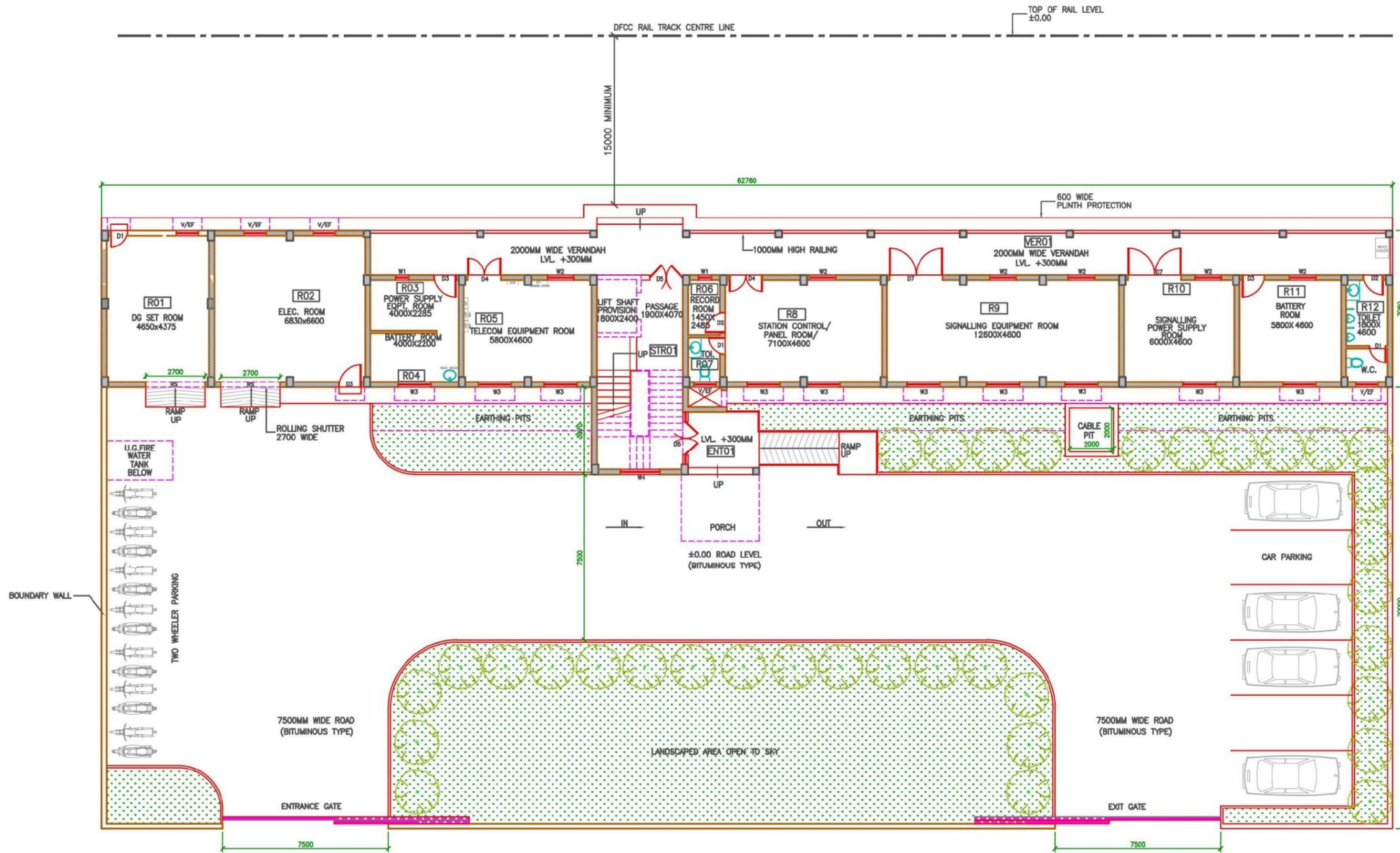
NOTES:-

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.
2. WRITTEN DIMENSIONS ARE TO BE FOLLOWED. DRAWINGS ARE NOT TO BE SCALED.
3. DEPTH OF FOUNDATION AND C/C OF RCC COLUMN WILL BE DEPEND UPON SITE CONDITION.

DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.		
DETAIL TYPICAL GENERAL ARRANGEMENT DRAWING FOR BOUNDARY WALL		
SCALE	N.T.S.	
DRG.NO.	DFCC/BOUNDARY WALL/TYP-001	
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ANNEXURE - J

DOOR / WINDOW SCHEDULE	
NO.	SIZE
D1	750 X 2100
D2	900 X 2100
D3	1000 X 2550
D4	1500 X 2550
D5	1900 X 2550
D6	2300 X 2550
D7	2400 X 2550
W1	600 X 1650 CILL 900
W2	1200 X 1650 CILL 900
W3	1500 X 1650 CILL 900
W4	1800 X 1800 CILL 300
RS1	2700 X 2800 ROLLING SHUTTER
V/EF	1000 X 600 CILL 1500



GROUND FLOOR PLAN
SCALE 1:100

INDICATIVE DRAWING

GENERAL CONSULTANT



AECOM Asia Co. Ltd.
9TH FLOOR, INFINITY TOWER C DLF CYBER CITY
DLF PHASE II GURGAON 122002, INDIA

TITLE

STATION BUILDING FOR
CROSSING STATION
GROUND FLOOR PLAN

Drg. No. - GC/DFCC/CS/201/REV.1



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DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.

(A GOVERNMENT OF INDIA ENTERPRISE)

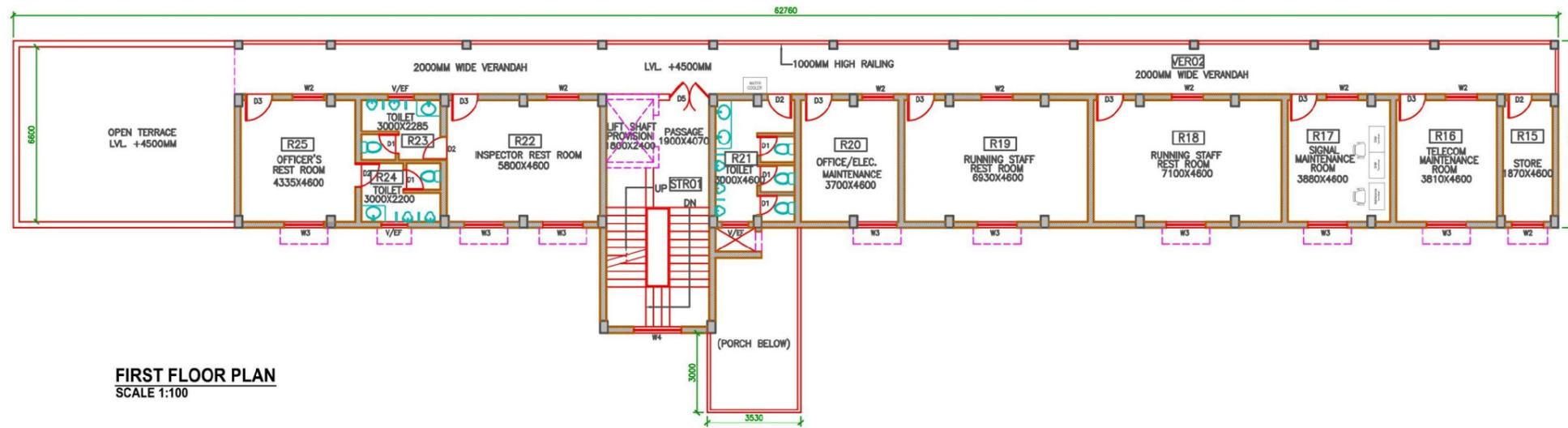
EASTERN CORRIDOR

PROJECT

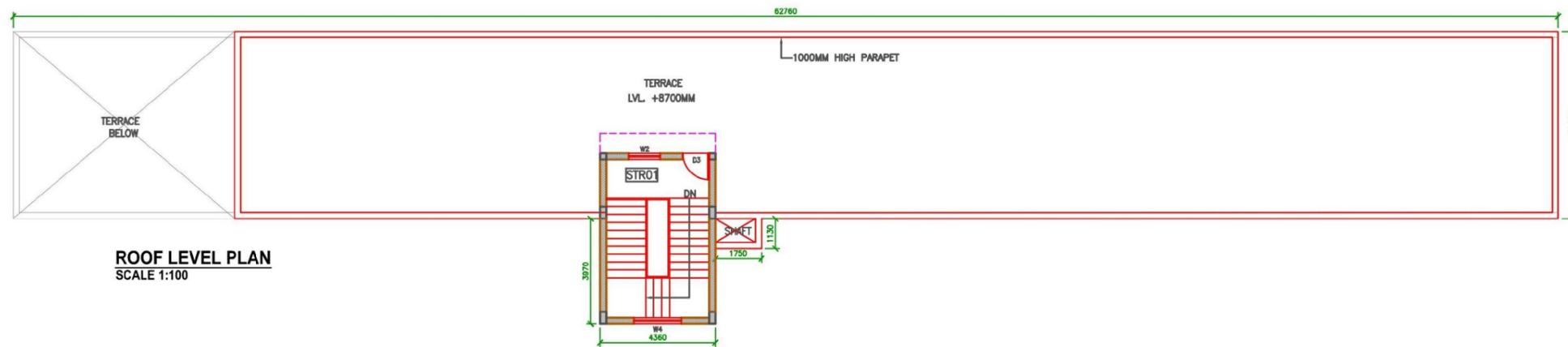
KHURJA TO PILKHANI

ANNEXURE - K

DOOR / WINDOW SCHEDULE	
NO.	SIZE
D1	750 X 2100
D2	900 X 2100
D3	1000 X 2550
D4	1500 X 2550
D5	1900 X 2550
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W3	1500 X 1650 CILL 900
W4	1800 X 1800 CILL 300
RS1	2700 X 2800 ROLLING SHUTTER
V/EF	1000 X 600 CILL 1500



FIRST FLOOR PLAN
SCALE 1:100



ROOF LEVEL PLAN
SCALE 1:100

INDICATIVE DRAWING

GENERAL CONSULTANT



AECOM Asia Co. Ltd.
9TH FLOOR, INFINITY TOWER C DLF CYBER CITY
DLF PHASE II GURGAON 122002, INDIA

TITLE

STATION BUILDING FOR
CROSSING STATION
FIRST FLOOR & ROOF LEVELPLAN

Drg. No. - GC/DFCC/CS/202/REV.1



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DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.

(A GOVERNMENT OF INDIA ENTERPRISE)

EASTERN CORRIDOR

PROJECT

KHURJA TO PILKHANI



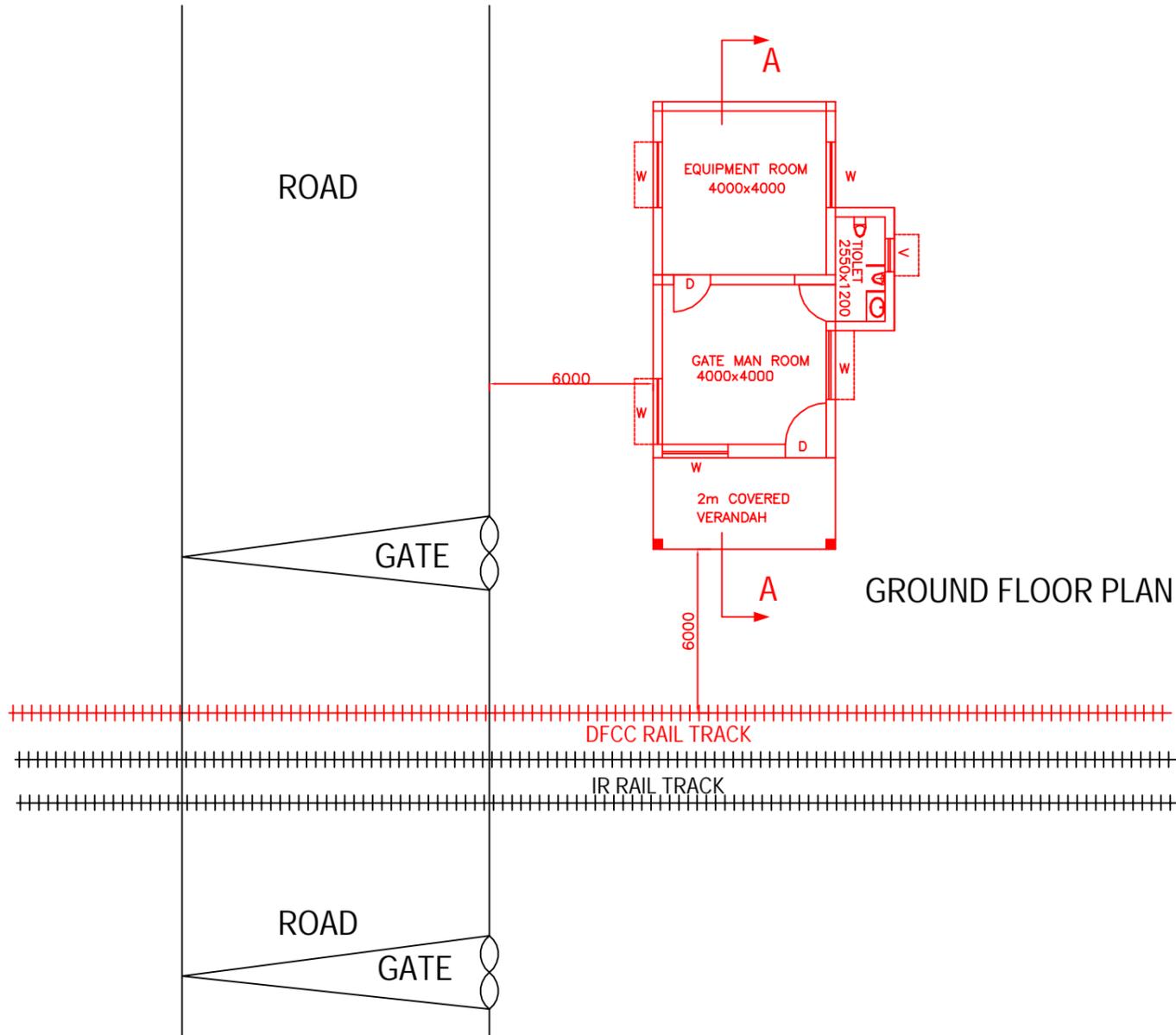
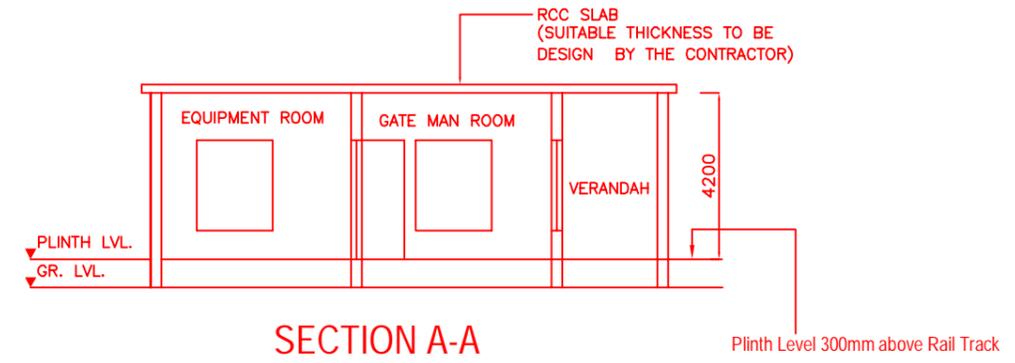
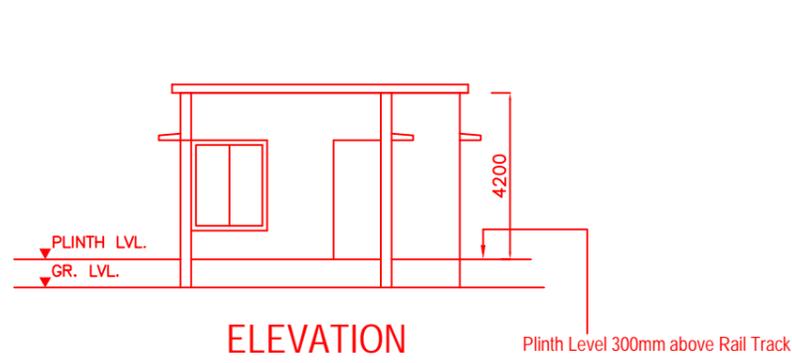
FRONT ELEVATION (FROM APPROACH ROAD)
SCALE 1:100



REAR ELEVATION (FROM TRACK SIDE)
SCALE 1:100

INDICATIVE DRAWING

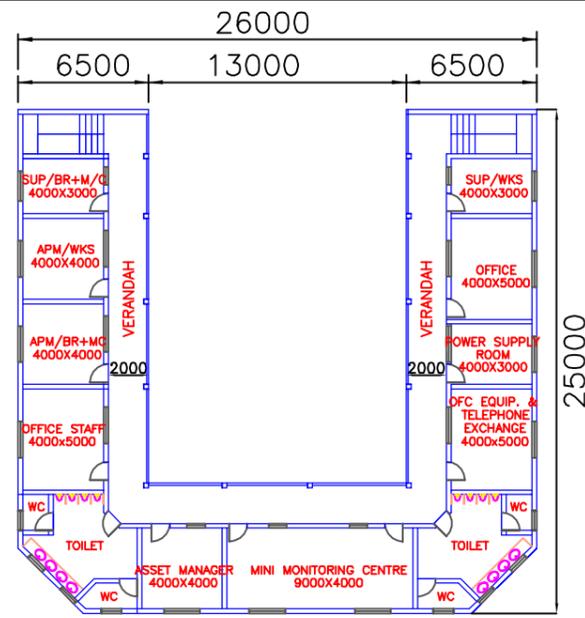
GENERAL CONSULTANT	TITLE		DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.
	AECOM Asia Co. Ltd. 9TH FLOOR, INFINITY TOWER C DLF CYBER CITY DLF PHASE II GURGAON 122002, INDIA	डेडीकेटेड फ्रेट कोरीडोर	(A GOVERNMENT OF INDIA ENTERPRISE)
	STATION BUILDING FOR CROSSING STATION FRONT & REAR ELEVATION PLAN	EASTERN CORRIDOR	
	Drg. No. - GC/DFCC/CS/203/REV.1	PROJECT	KHURJA TO PILKHANI



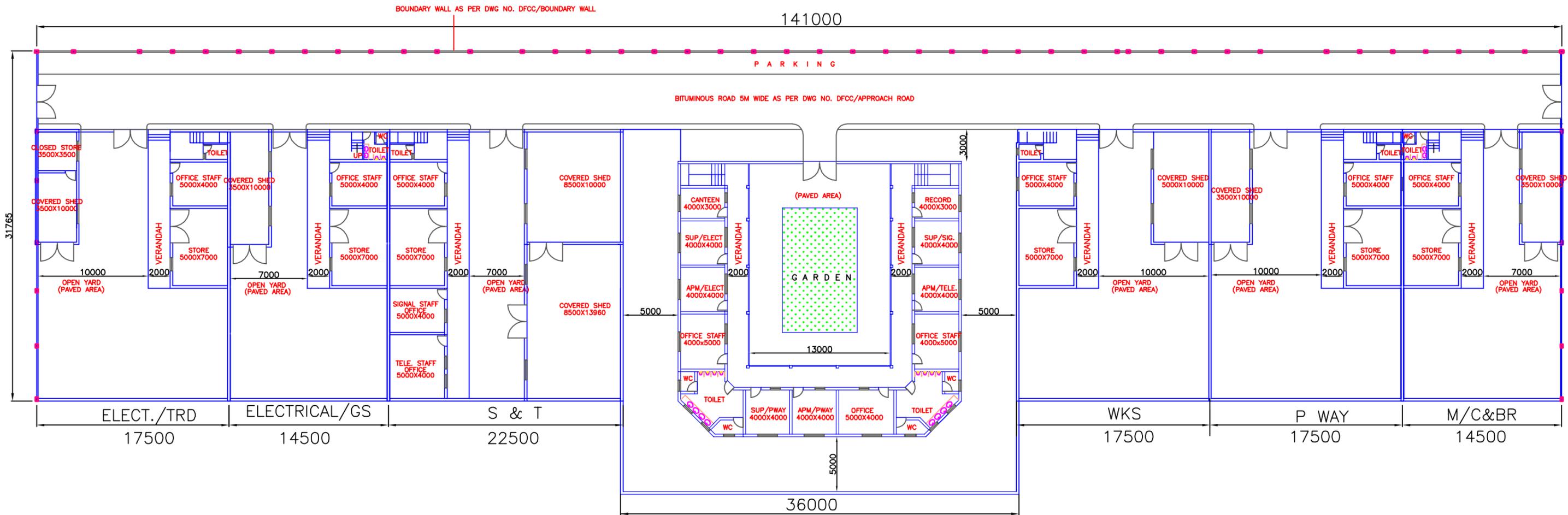
1. LOCATION SHALL BE FINALISED BY THE EMPLOYER IN AND CONSULTATION WITH NORTHERN RAILWAYS.
2. THIS DRAWING IS TENTATIVE, GOOD FOR CONSTRUCTION DRAWINGS SHALL BE AS APPROVED BY NORTHERN RAILWAYS.
3. Electrification of Gate Lodges including provision of fittings and any cabling (internal and external) shall also be done by the Contractor.

INDICATIVE DRAWING

<p>GENERAL CONSULTANT</p> <p>AECOM AECOM Asia Co. Ltd. 9TH FLOOR, INFINITY TOWER C DLF CYBER CITY DLF PHASE II GURGAON 122002, INDIA</p>	<p>TITLE</p> <p>PROPOSED TYPICAL GAD FOR LC GATE LODGE</p> <p>Drg. No. - GC/DFCC/GL/505/R1</p>	<p>DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD. (A GOVERNMENT OF INDIA ENTERPRISE)</p> <p>EASTERN CORRIDOR</p> <p>PROJECT KHURJA TO PILKHANI</p>
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OFFICES (FIRST FLOOR PLAN)



OFFICES (GROUND FLOOR PLAN)

INDICATIVE DRAWING

GENERAL CONSULTANT



AECOM Asia Co. Ltd.

9TH FLOOR, INFINITY TOWER C DLF CYBER CITY
DLF PHASE II GURGAON 122002, INDIA

TITLE

INTEGRATED MAINTENANCE
DEPOT (IMD)
GROUND & FIRST FLOOR PLAN



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DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.

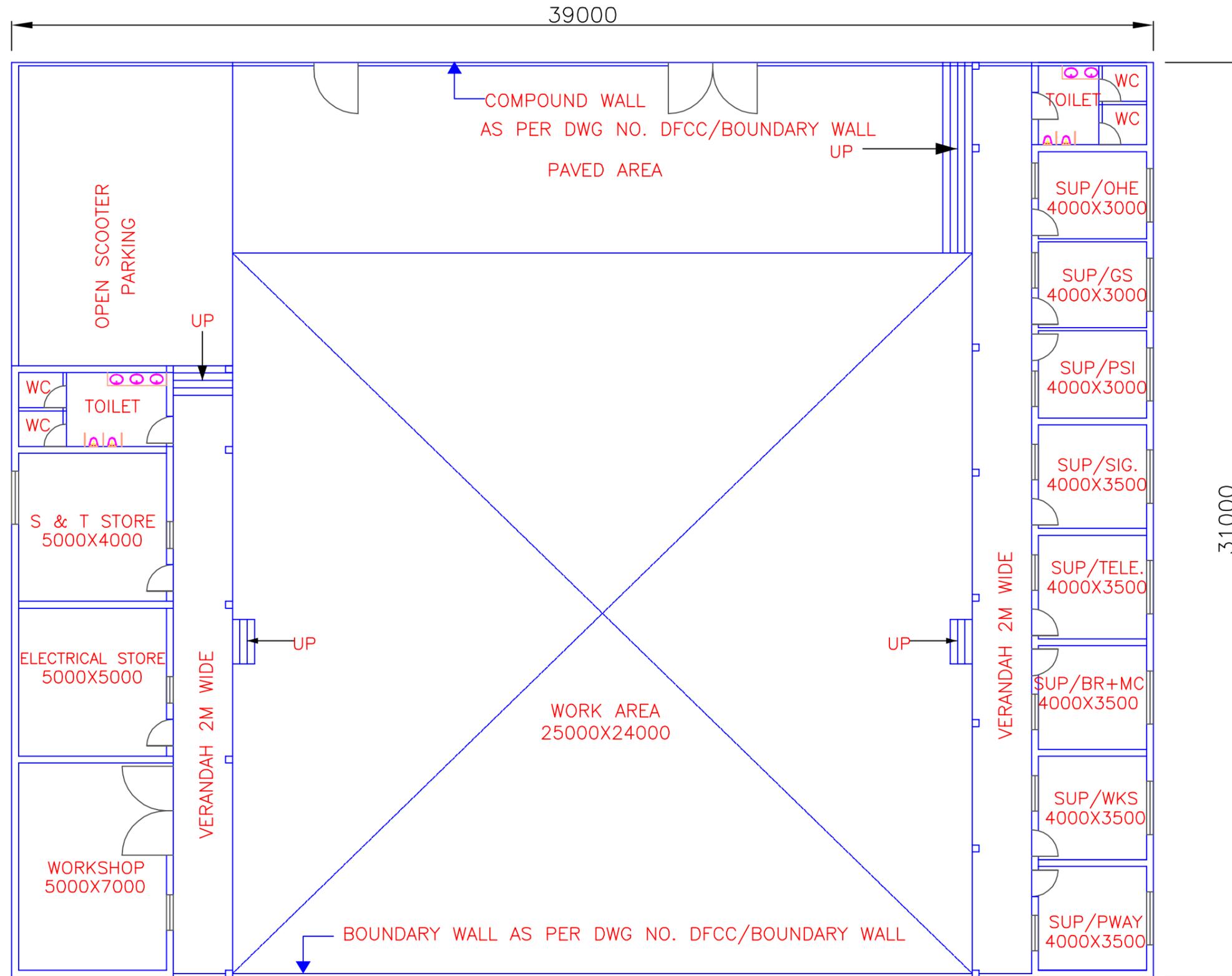
(A GOVERNMENT OF INDIA ENTERPRISE)

EASTERN CORRIDOR

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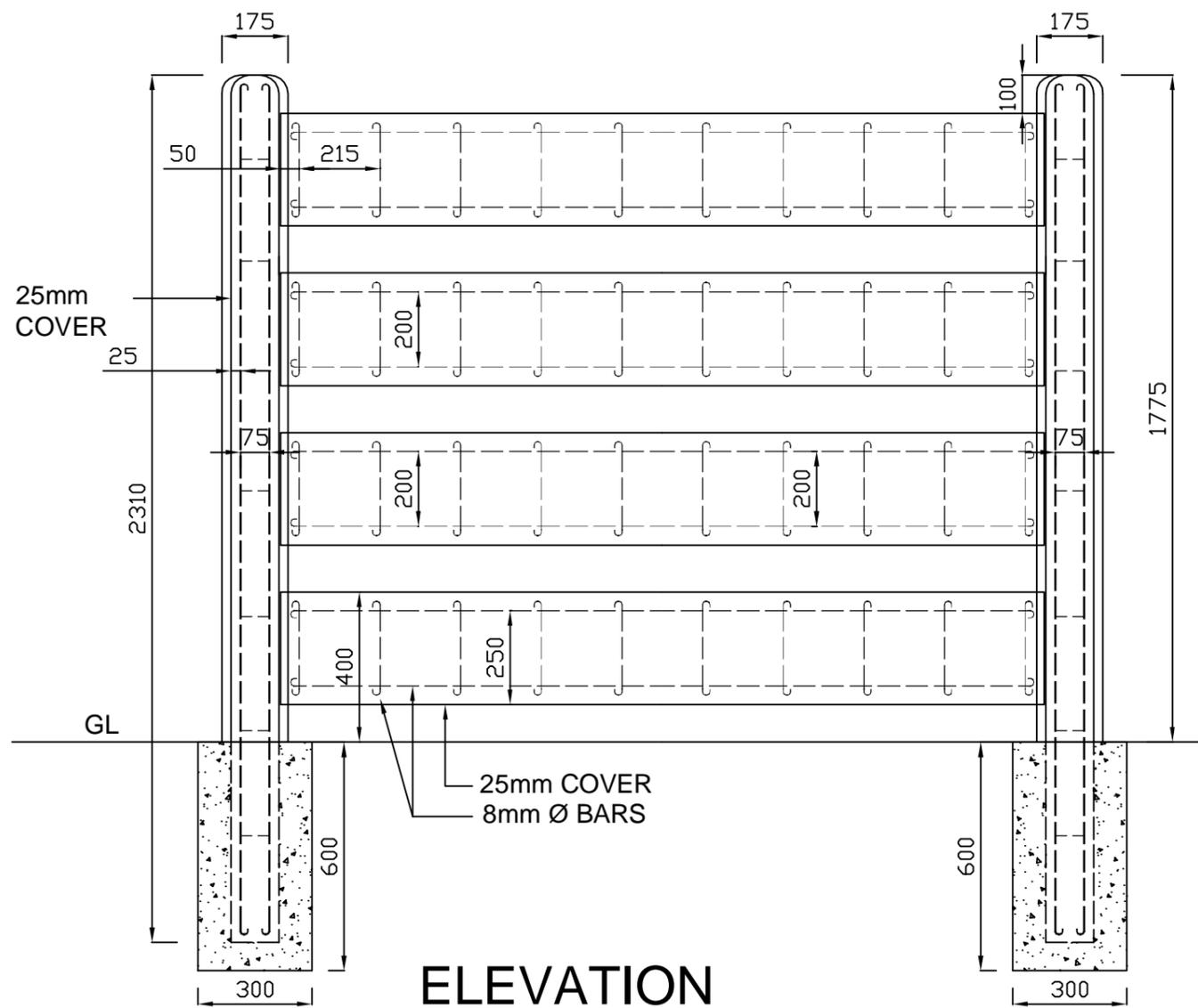
PROJECT

KHURJA TO PILKHANI

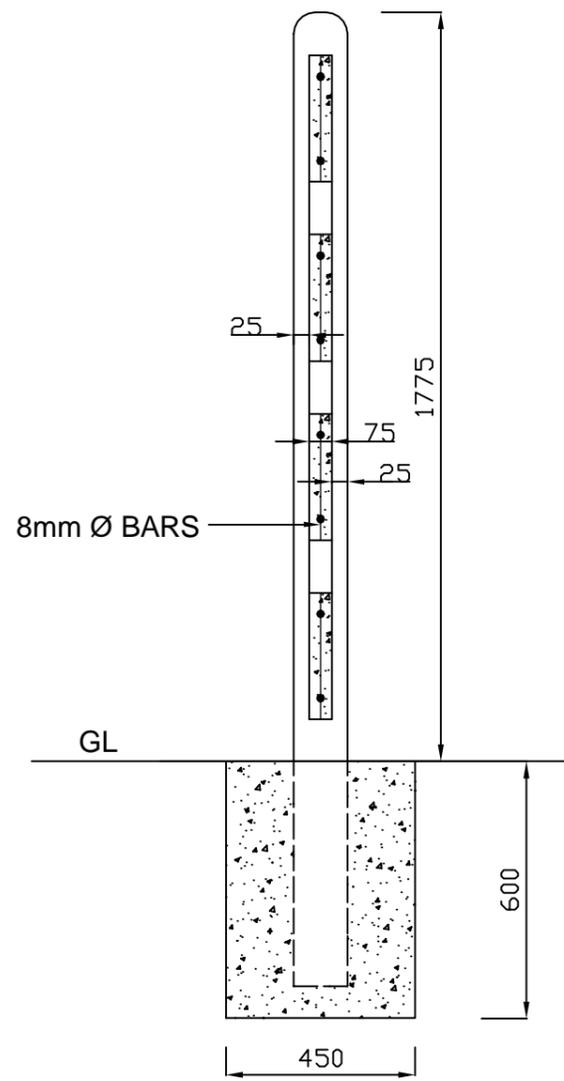


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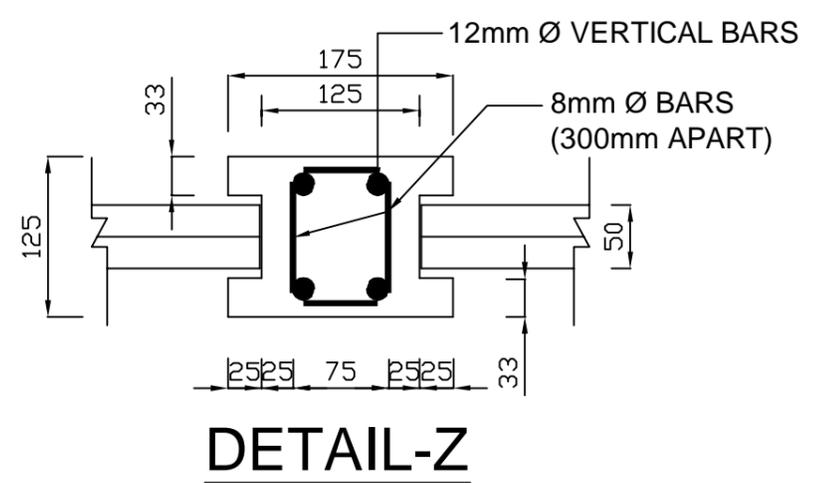
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<p>7</p>	<p>Drg. No. - GC/DFCC/IMSD/401</p>	



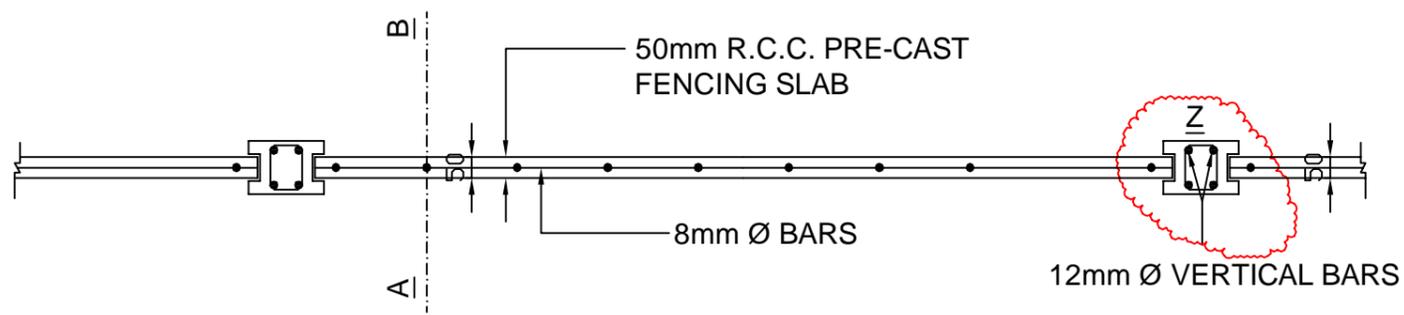
ELEVATION



SECTION A-B



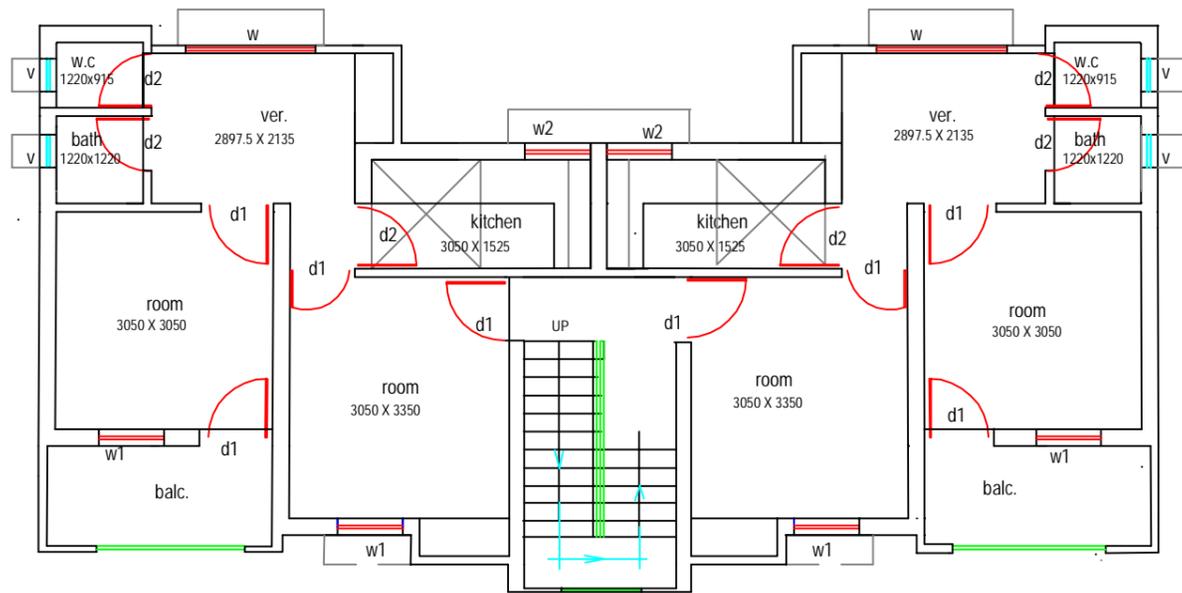
DETAIL-Z



PLAN

INDICATIVE DRAWING

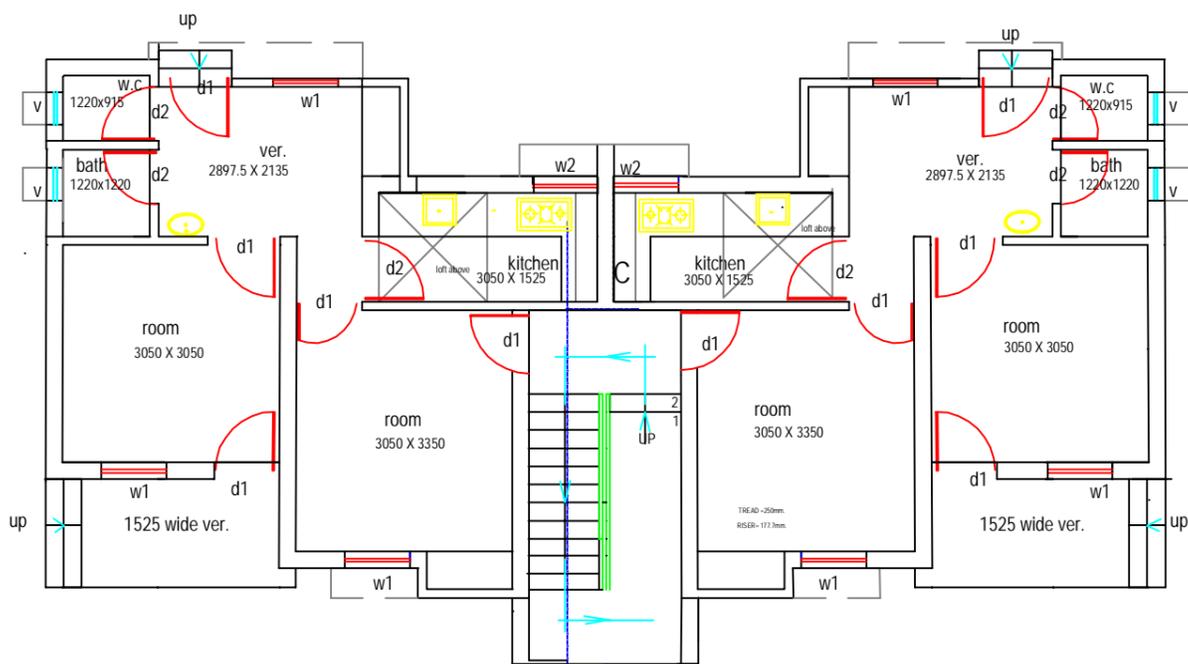
<p>GENERAL CONSULTANT</p> <p>AECOM AECOM Asia Co. Ltd. 9TH FLOOR, INFINITY TOWER C DLF CYBER CITY DLF PHASE II GURGAON 122002, INDIA</p>	<p>TITLE</p> <p>TYPICAL DRAWING SEE THROUGH FENCING</p>		<p>DFCC DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD. (A GOVERNMENT OF INDIA ENTERPRISE)</p>
	<p>Drg No.</p> <p>DFC/2015/FEN/TYP</p>	<p>PROJECT</p> <p>KHURJA TO PII KHANI</p>	
<p>8</p>		<p>EASTERN CORRIDOR</p>	



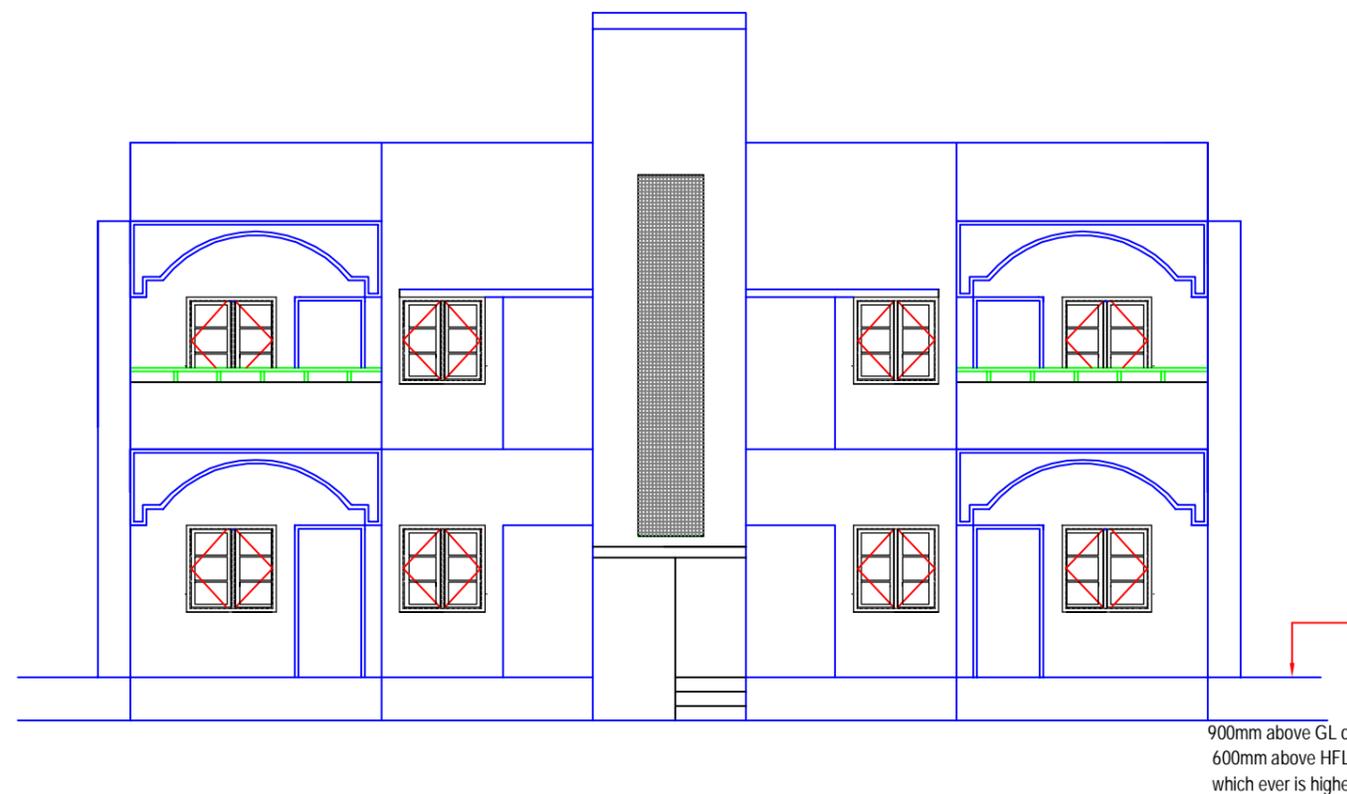
FIRST FLOOR PLAN (TYPE-A BLOCK)

NOTES:-

Number of Quarter and their location shall be decided by employer at each station.



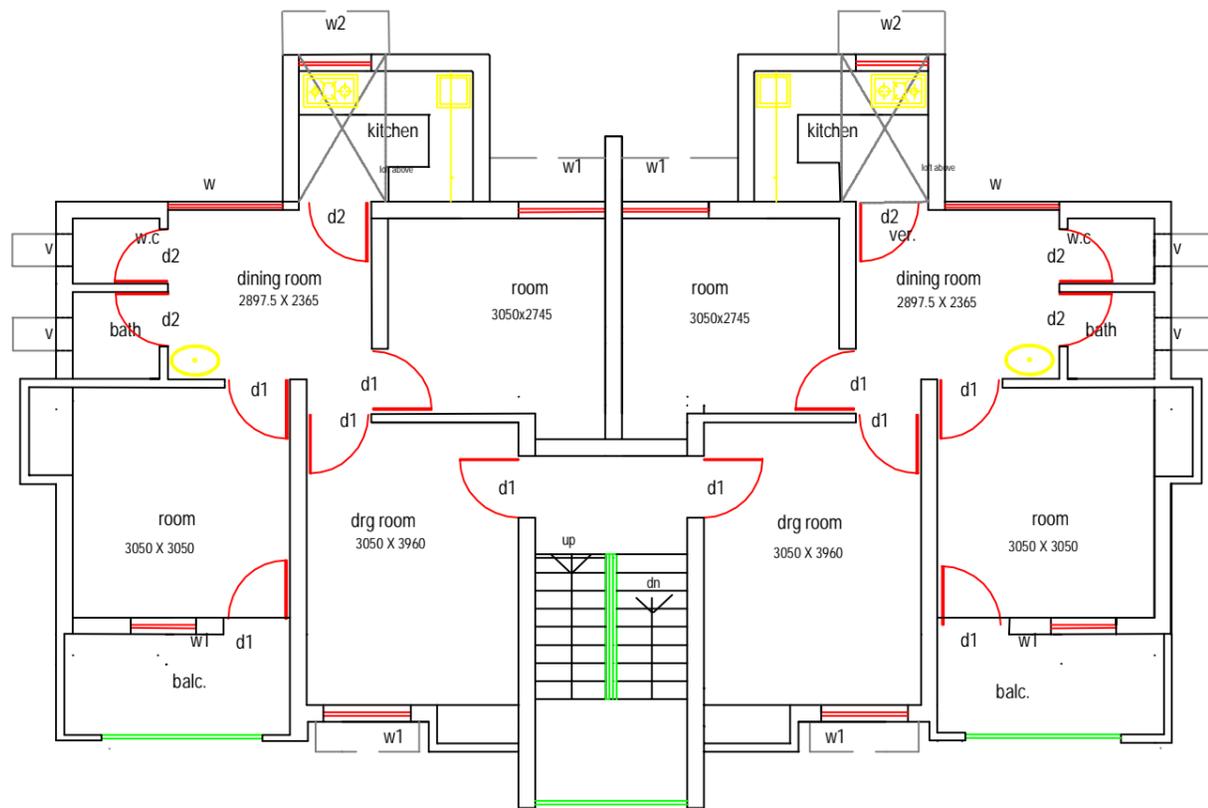
GROUND FLOOR PLAN (TYPE-A BLOCK)



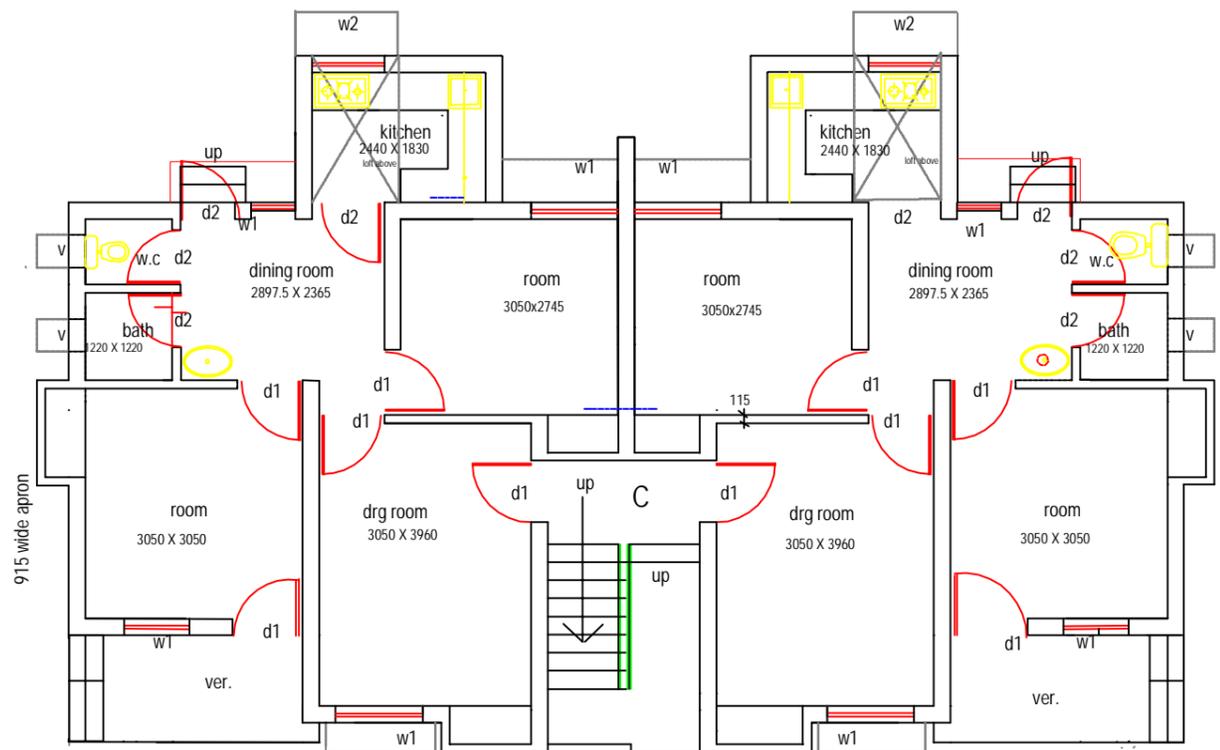
FRONT ELEVATION (TYPE-A BLOCK)

INDICATIVE DRAWING

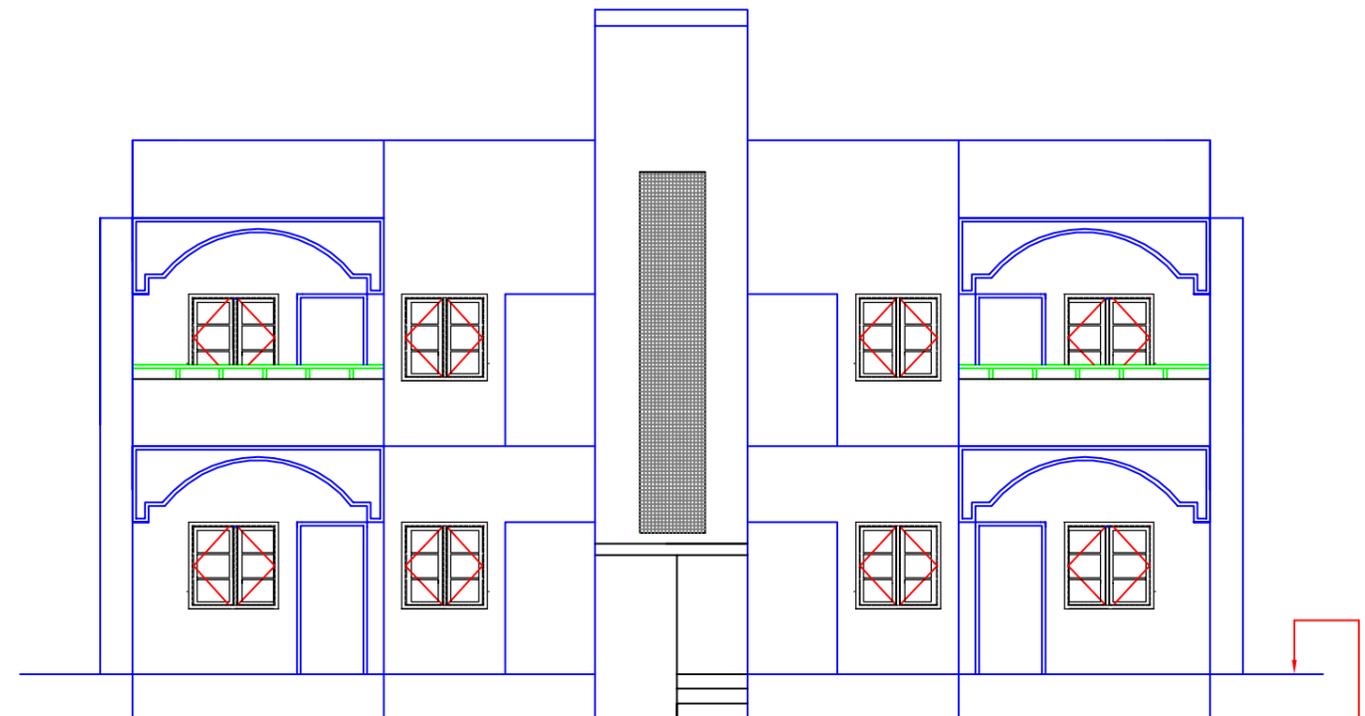
<p>GENERAL CONSULTANT</p> <p>AECOM AECOM Asia Co. Ltd. 9TH FLOOR, INFINITY TOWER C DLF CYBER CITY DLF PHASE II GURGAON 122002, INDIA</p>	<p>TITLE</p> <p>TYPE - A QUARTER GROUND, FIRST FLOOR PLAN AND ELEVATION</p>	<p>DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD. (A GOVERNMENT OF INDIA ENTERPRISE)</p> <p>EASTERN CORRIDOR</p>
<p>9</p>	<p>Drg. No. - GC/DFCC/QRTS/701</p>	<p>PROJECT KHURJA TO PILKHANI</p>



FIRST FLOOR PLAN (TYPE-B BLOCK)



GROUND FLOOR PLAN (TYPE-B BLOCK)



FRONT ELEVATION (TYPE-B BLOCK)

900mm above GL or
600mm above HFL
whichever is higher

NOTES:-

Number of Quarter and their location shall be decided by employer at each station.

INDICATIVE DRAWING

GENERAL CONSULTANT



AECOM Asia Co. Ltd.

9TH FLOOR, INFINITY TOWER C DLF CYBER CITY
DLF PHASE II GURGAON 122002, INDIA

TITLE

TYPE - B QUARTER

GROUND, FIRST FLOOR PLAN AND ELEVATION



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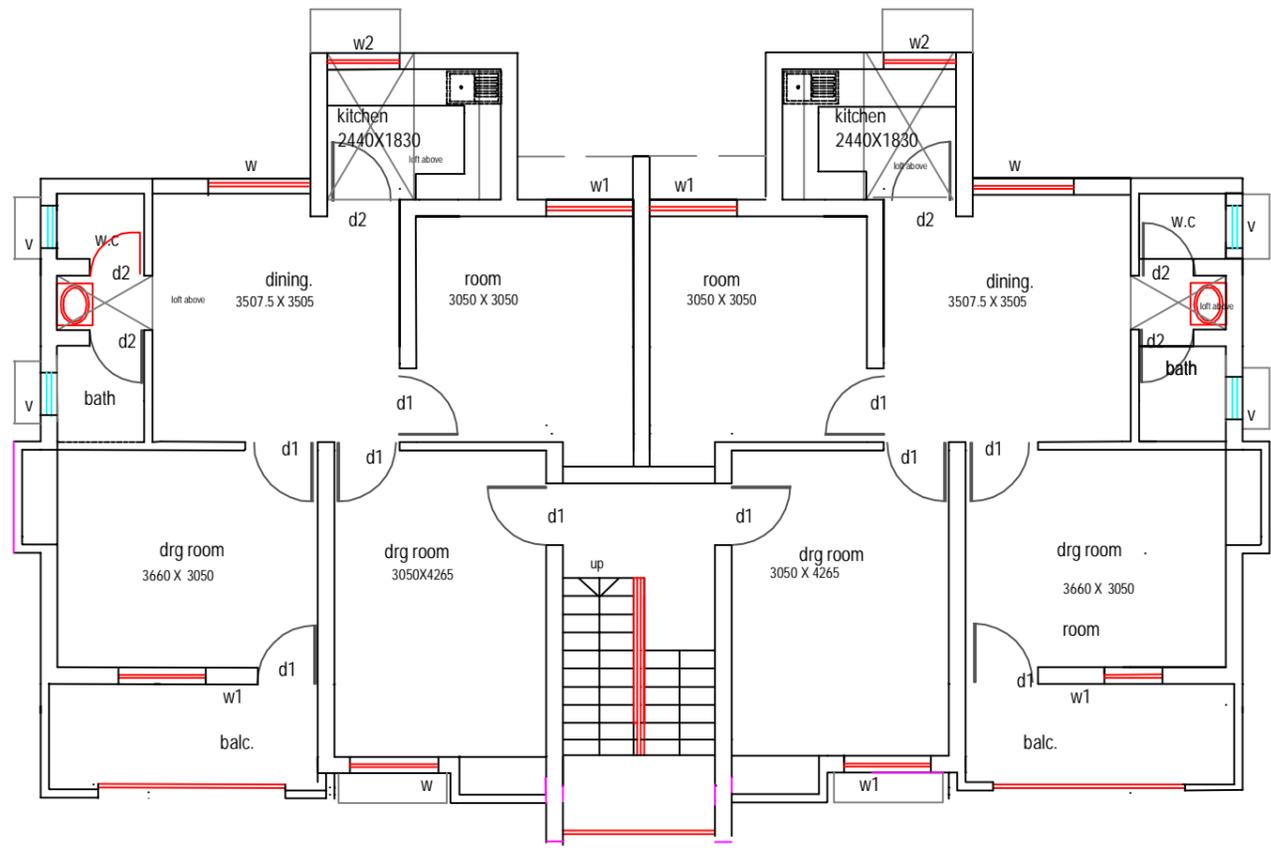
(A GOVERNMENT OF INDIA ENTERPRISE)

EASTERN CORRIDOR

Drg. No. - GC/DFCC/ORTS/702

PROJECT

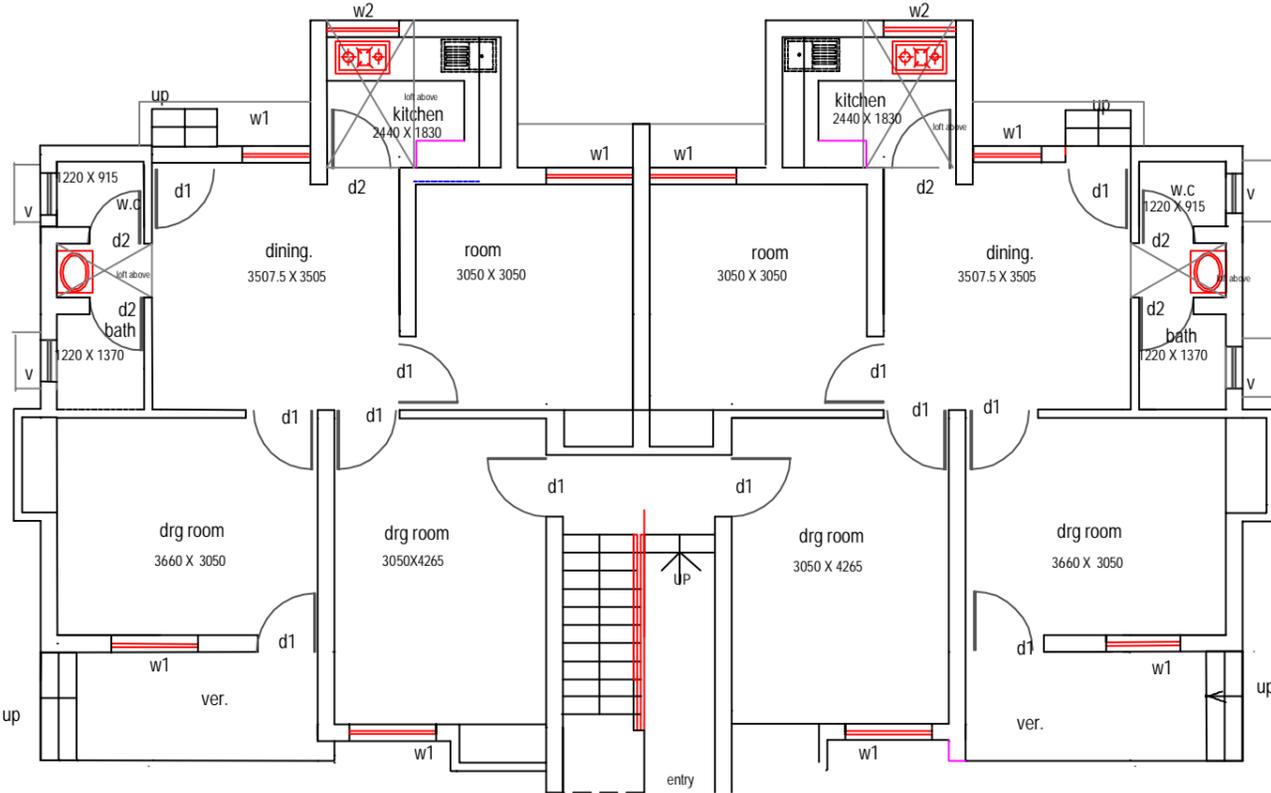
KHURJA TO PILKHANI



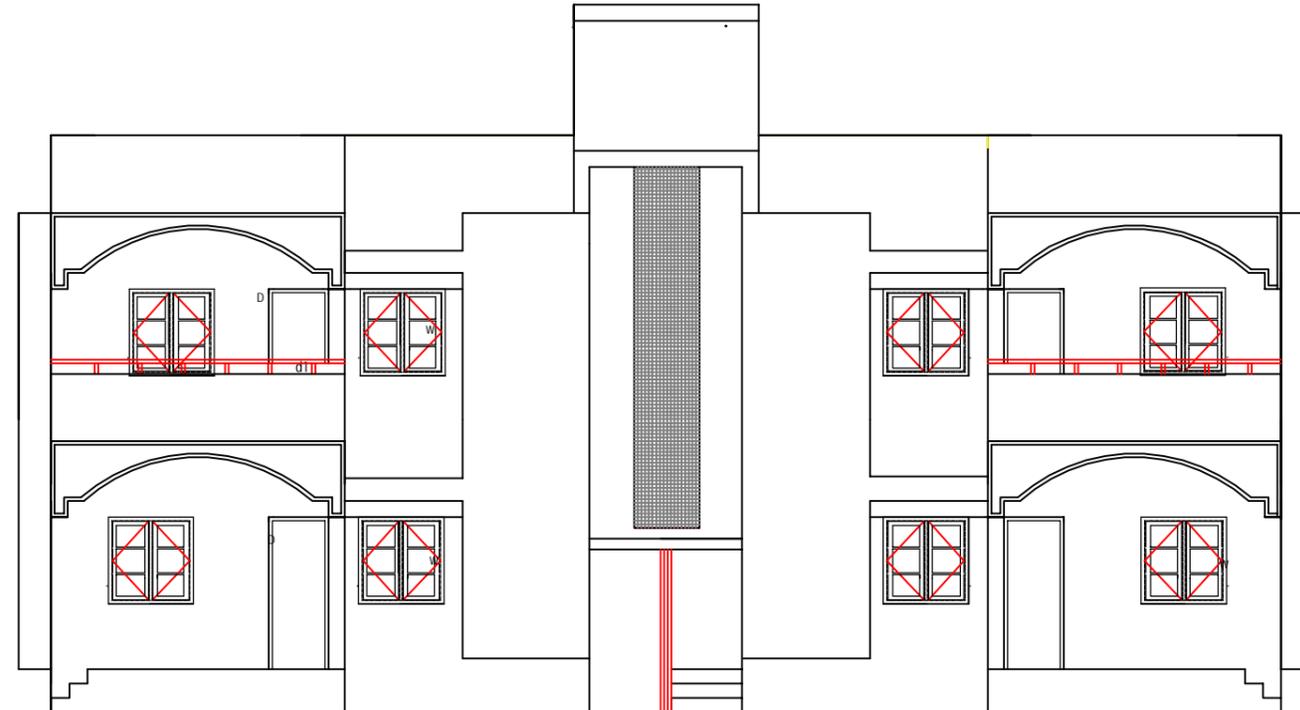
FIRST FLOOR PLAN. (TYPE-C BLOCK)

NOTES:-

Number of Quarter and their location shall be decided by employer at each station.



GROUND FLOOR PLAN (TYPE-C BLOCK)



FRONT ELEVATION (TYPE-C BLOCK)

Drq. No. - GC/DFCC/QRTS/703

GENERAL CONSULTANT



AECOM Asia Co. Ltd.

9TH FLOOR, INFINITY TOWER C DLF CYBER CITY
DLF PHASE II GURGAON 122002, INDIA

TITLE

TYPE - C QUARTER

GROUND, FIRST FLOOR PLAN AND ELEVATION



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DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.

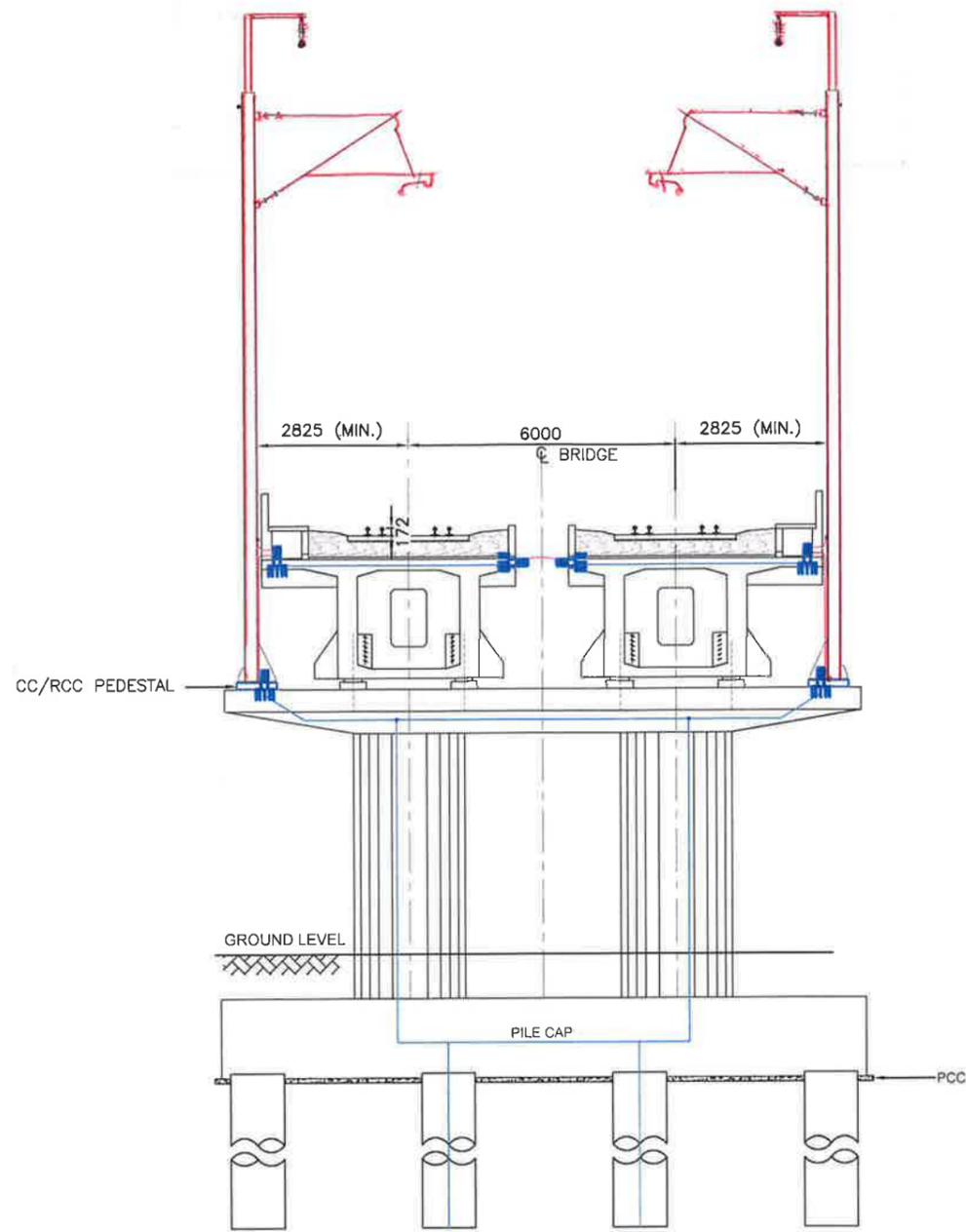
(A GOVERNMENT OF INDIA ENTERPRISE)

EASTERN CORRIDOR

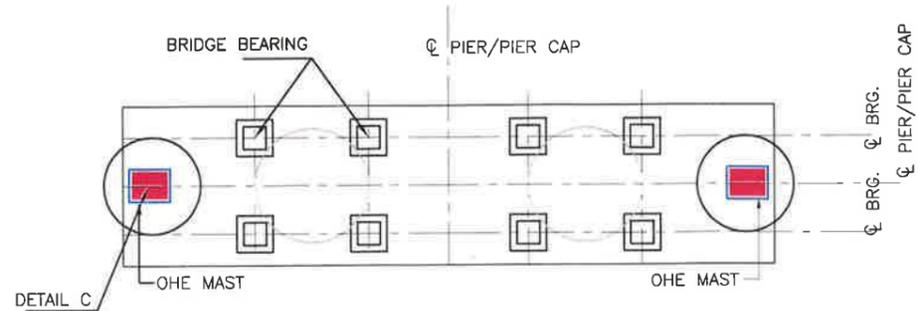
PROJECT

KHURJA TO PILKHANI

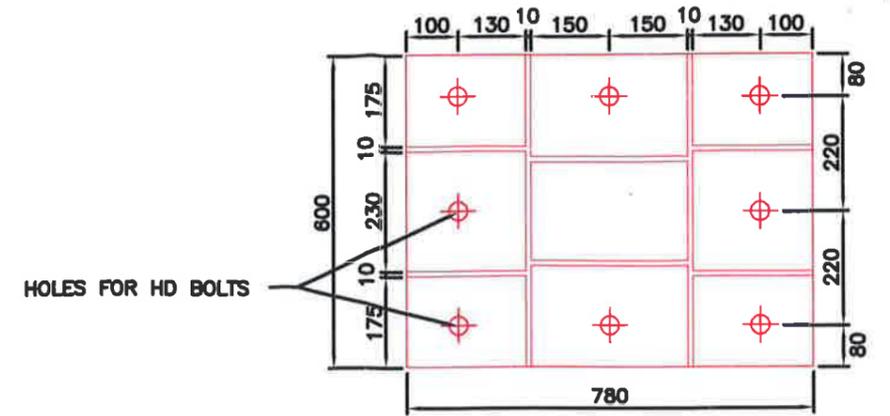
INDICATIVE DRAWING



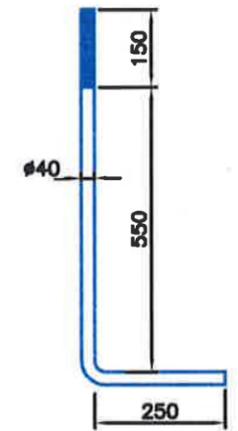
SECTION SHOWING LOCATIONS OF AEC, BEC AND THEIR INTER CONNECTIONS TO STEEL OHE MAST



PLAN AT PIER CAP LEVEL WITH OHE MAST BASE



BASE PLATE FOR OHE MAST
DETAIL OF C



DETAIL OF HD BOLTS

SCOPE OF CIVIL (BRIDGE) CONTRACTOR

- 1. TO PROVIDE HD BOLTS WITH SPACING AS PER DETAIL "C"
- 2. TO PROVIDE CC/RCC PEDESTAL FOR OHE MAST AS SHOWN IN THE SECTION.

SCOPE OF TRACTION CONTRACTOR

- 1. TO PROVIDE BRIDGE MAST WITH BASE PLATE AS PER DETAIL "C"

GENERAL

- 1. MIN. IMPLANTATION FOR OHE MAST SHALL BE 2825mm. HOWEVER, FOR LONGER BRIDGES WITH SIGNAL LOCATION, MIN. IMPLANTATION SHALL BE AS PER ACTM VOL.-2, PART-2 APPENDIX -1 PARA 20.5.
- 2. THE MAST MOUNTING ARRANGEMENT ON PIER CAPS OF BRIDGES SHALL BE SUCH THAT MAXIMUM SPACING BETWEEN OHE MAST SHALL NOT EXCEED 54m (EDFC) & 45m (WDFC). IN CASE OF HIGHER PIER SPACING OHE SUPPORT ARRANGEMENT SHALL BE PROVIDED ON THE BRIDGE DECK ITSELF.
- 3. ADJACENT PIERS SHALL HAVE PROVISION OF PEDESTAL & HD BOLTS FOR FUTURE/EMERGENCY REQUIREMENTS.
- 4. THIS BEING A TYPICAL DRAWING, IN CASE OF TECHNICAL DIFFICULTY DUE TO DIFFERENT PIER/GIRDER ARRANGEMENT THE CASE SHALL BE REFERRED TO ELECTRICAL DEPARTMENT FOR SITE SPECIFIC SOLUTION
- 5. IN CASE OF ANY DISPUTE IN SCOPE OF WORK SHOWN IN THIS DRAWING VIS A VIS EMPLOYERS REQUIREMENTS, SCOPE OF WORK AS GIVEN IN EMPLOYERS REQUIREMENT SHALL PREVAIL.

BLUE COLOUR:- WORK TO BE EXECUTED BY CIVIL CONTRACTORS
RED COLOUR:- WORK TO BE EXECUTED BY E&M CONTRACTORS.

Approved By

GGM/EL/PS
GGM/CO/EC 21/7
GM/CO/WC

21/07/14
21/07/14

Drawing Title
TYPICAL SKETCH FOR FIXING OF OHE MAST ON BRIDGE PIER

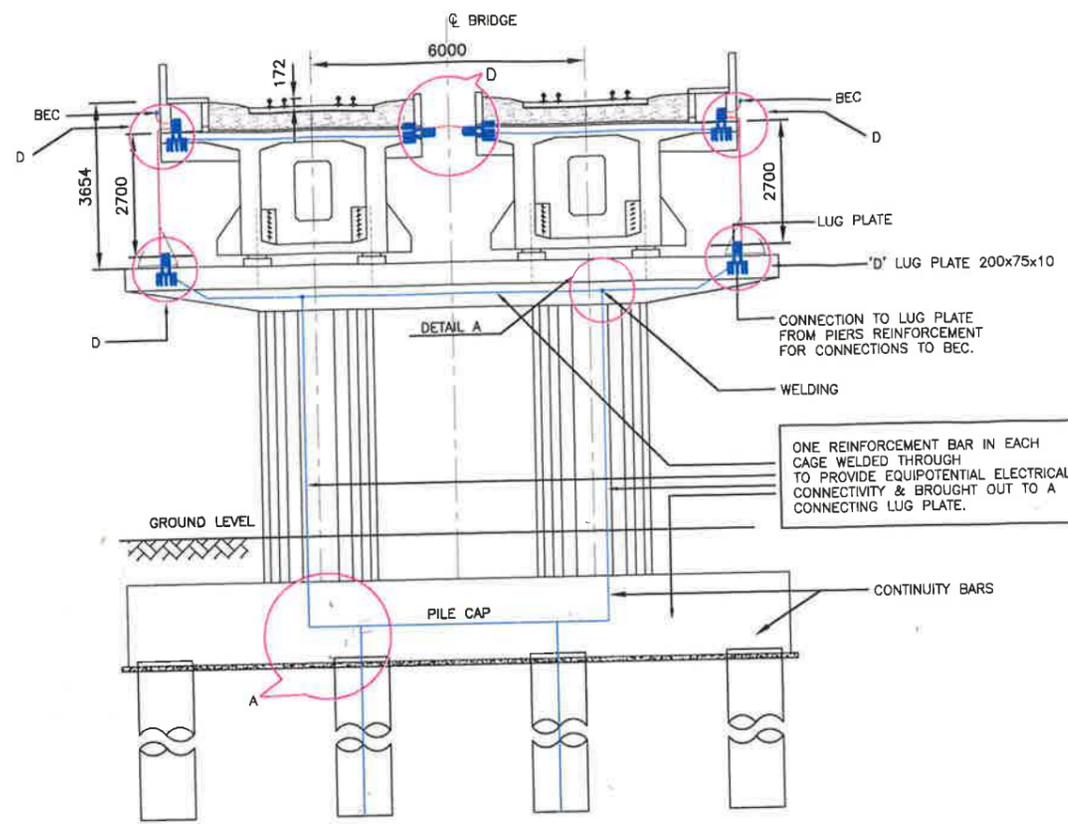
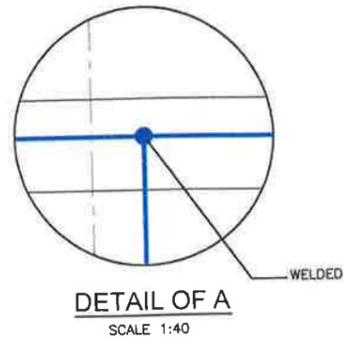
Drawing Number
HQ/EL/OHE/P4-1/Mast

Scale
NTS

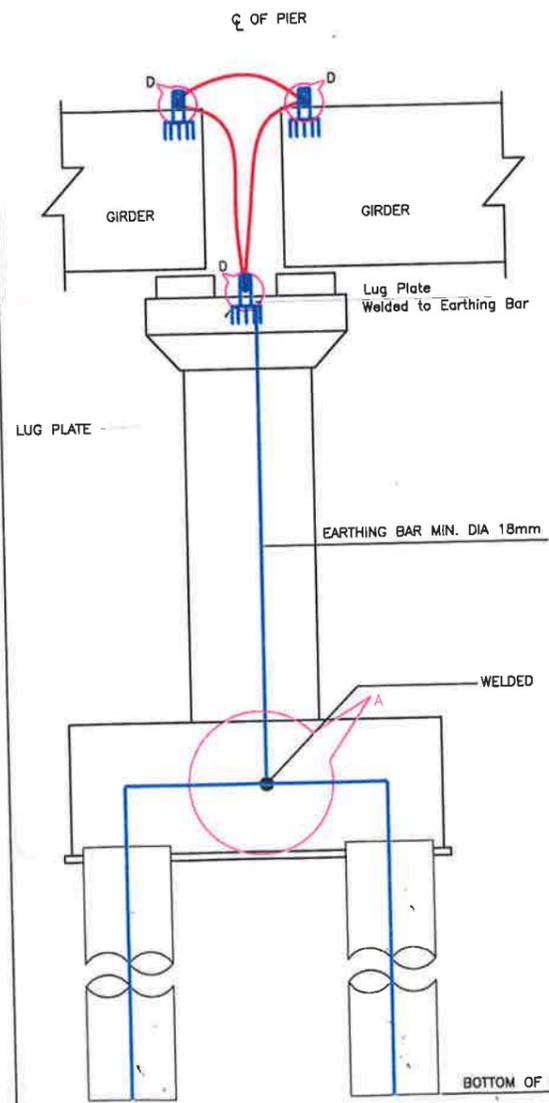
Reference
EMP4/OHE/110

Drawn By
Checked By
Approved By

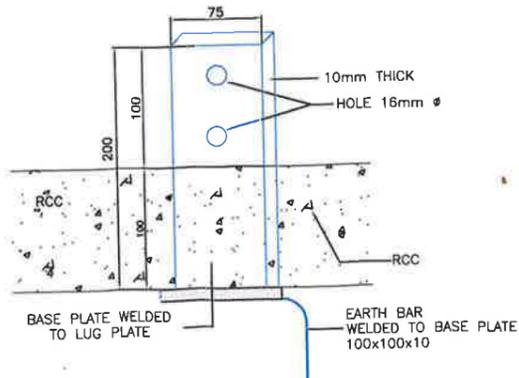
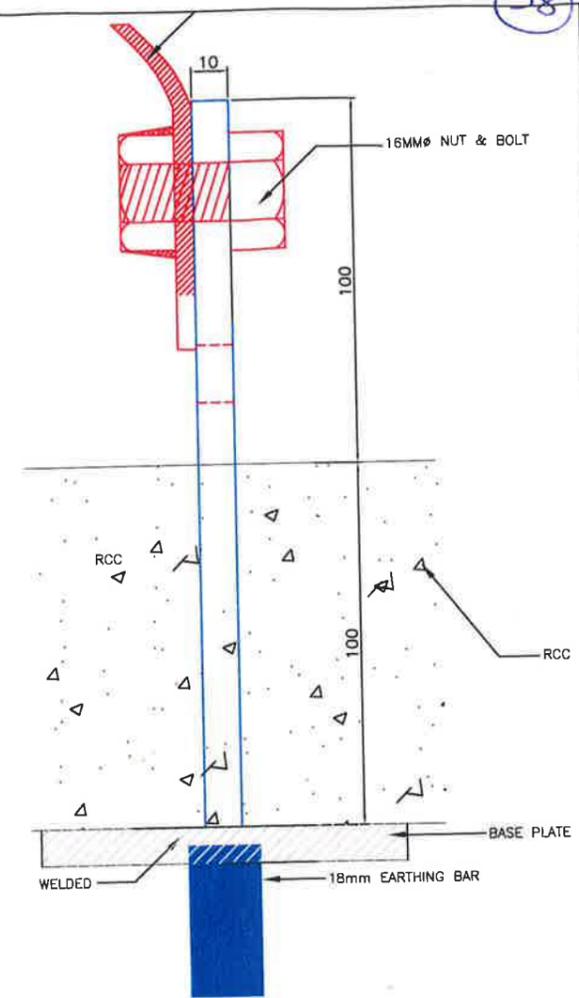
Client
MTF
इंडीकेटेड मेट्रो कंस्ट्रक्शन
5th Floor, Pragati Maidan Metro Station Building,
New Delhi-110001, INDIA



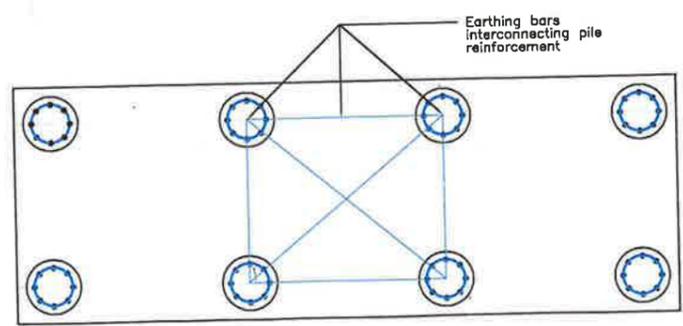
SECTION SHOWING INTER CONNECTIONS OF CONTINUITY BARS AND EARTHING ARRANGEMENT.



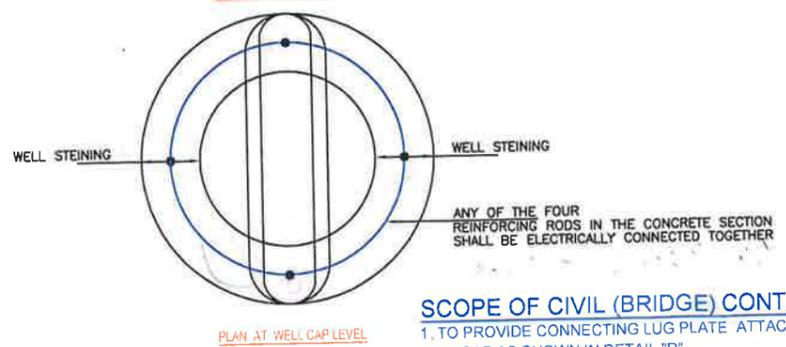
EARTHING ARRANGEMENT FOR WELL TYPE FOUNDATION



FRONT VIEW OF LUG PLATE AT LOCATION MARKED "D"



Earthing arrangement to be followed for max. 4 piles. In case of 4 or less piles all piles shall be interconnected.



PLAN AT WELL CAP LEVEL

SCOPE OF CIVIL (BRIDGE) CONTRACTOR

1. TO PROVIDE CONNECTING LUG PLATE ATTACHED TO REINFORCEMENT AT BOTH ENDS OF EACH GIRDER & PIER CAP AS SHOWN IN DETAIL "D"
2. TO PROVIDE EQUIPOTENTIAL CONTINUITY BAR FROM LUG PLATE PROVIDED AT THE PIER CAP TO THE BOTTOM OF FOUNDATION BY USING ANY ONE OF THE STRUCTURAL ROD OF MIN. DIA 18mm AS SHOWN IN THE DRAWING. THE REINFORCING RODS IN EACH CONCRETE SECTION (PIER) SHALL BE ELECTRICALLY CONNECTED TOGETHER
3. INTERCONNECTION OF CONTINUITY BARS SHALL BE MADE THROUGH WELDING AS SHOWN IN DETAIL "A"
4. IN CASE OF BRIDGES WITH STEEL SUPER STRUCTURE, CONTRACTOR SHALL PROVIDE SUITABLE HOLES IN THE STEEL STRUCTURE AT SUPPORTS FOR CONNECTION OF JUMPERS BY ELECTRICAL CONTRACTOR.

SCOPE OF TRACTION CONTRACTOR

1. TO PROVIDE JUMPERS BETWEEN LUG PLATES, BEC, ONE MAST AS SHOWN IN "D"

GENERAL

1. EARTHING ARRANGEMENT AS INDICATED IN THE DRAWING TO BE FOLLOWED ON EACH PIER LOCATION ON BRIDGE STRUCTURE WITH WELL AND PILE FOUNDATION
2. IN CASE OF ANY DISPUTE IN SCOPE OF WORK SHOWN IN THIS DRAWING VIA A VIS EMPLOYERS REQUIREMENTS, SCOPE OF WORK AS GIVEN IN EMPLOYERS REQUIREMENT SHALL PREVAIL.
3. THIS BEING A TYPICAL DRAWING. IN CASE OF TECHNICAL DIFFICULTY DUE TO DIFFERENT PIER/GIRDER ARRANGEMENT THE CASE SHALL BE REFERRED TO ELECTRICAL DEPARTMENT FOR SITE SPECIFIC SOLUTION

BLUE COLOUR:- WORK TO BE EXECUTED BY CIVIL CONTRACTORS.
RED COLOUR:- WORK TO BE EXECUTED BY E&M CONTRACTORS.

Approved By
 3M/BL/PS
 GGM/CO/EC
 GM/CO/WC

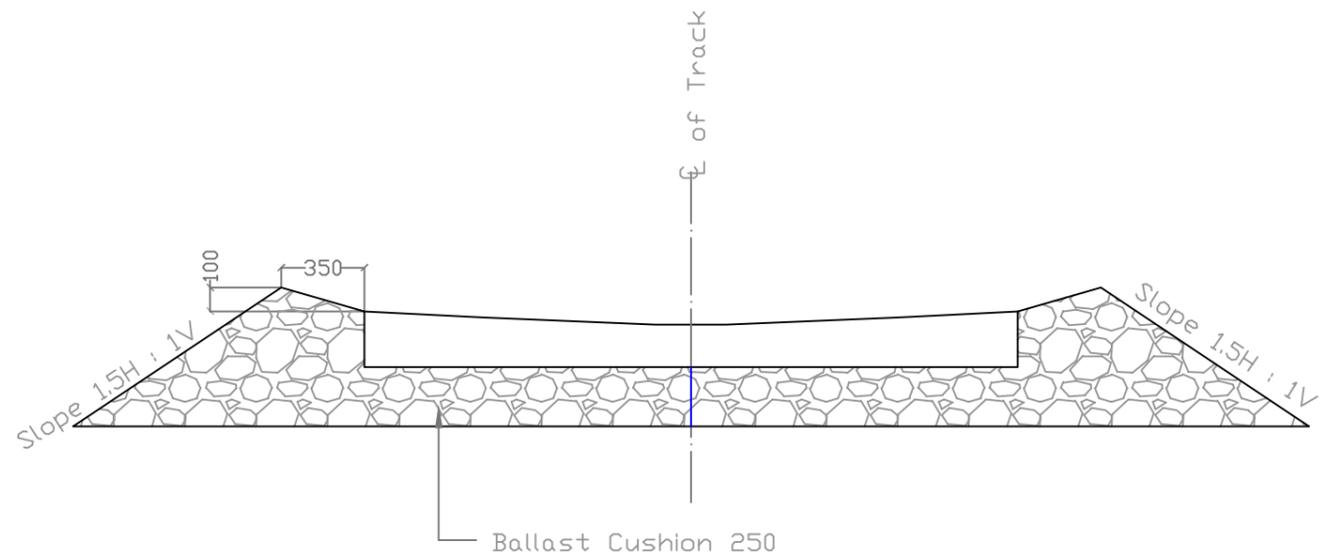
21/07/14
 21/07/14

Drawing Title
 TYPICAL SKETCH FOR EARTHING & BONDING SCHEME ON BRIDGE PIERS & ABUTMENTS WITH PILE / WELL FOUNDATION
 13

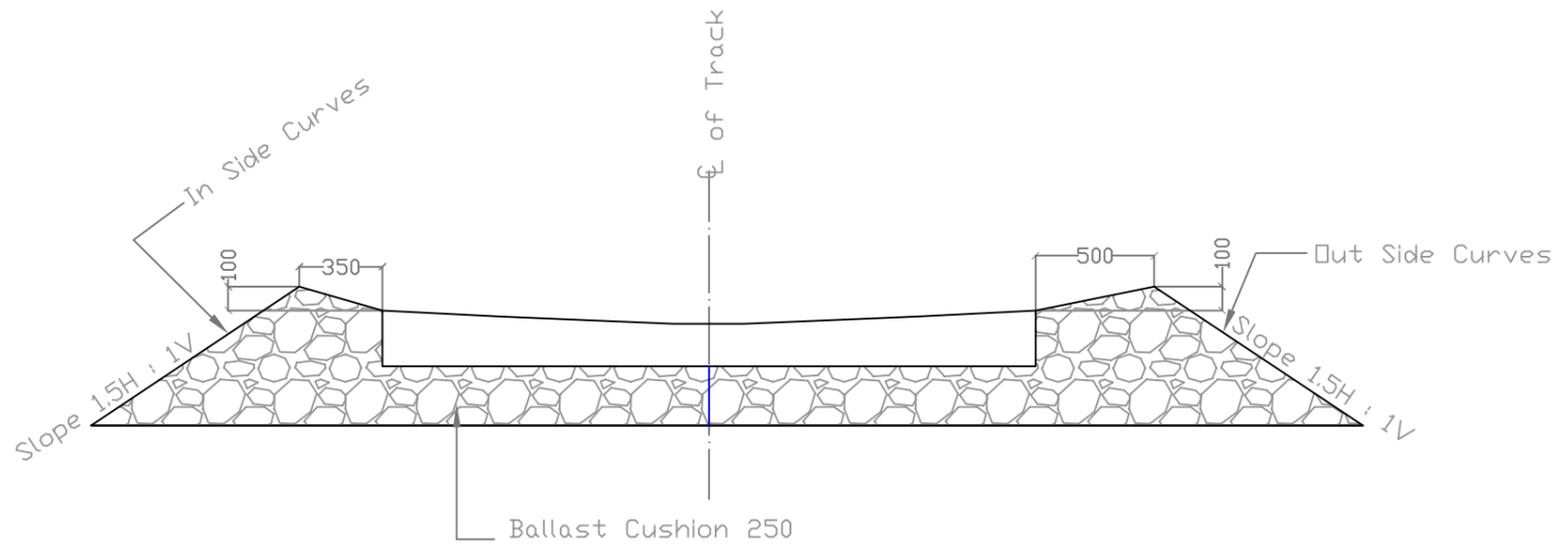
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 Scale NTS
 Reference EMP4/OHE/110
 Drawn By
 Checked By
 Approved By

Client

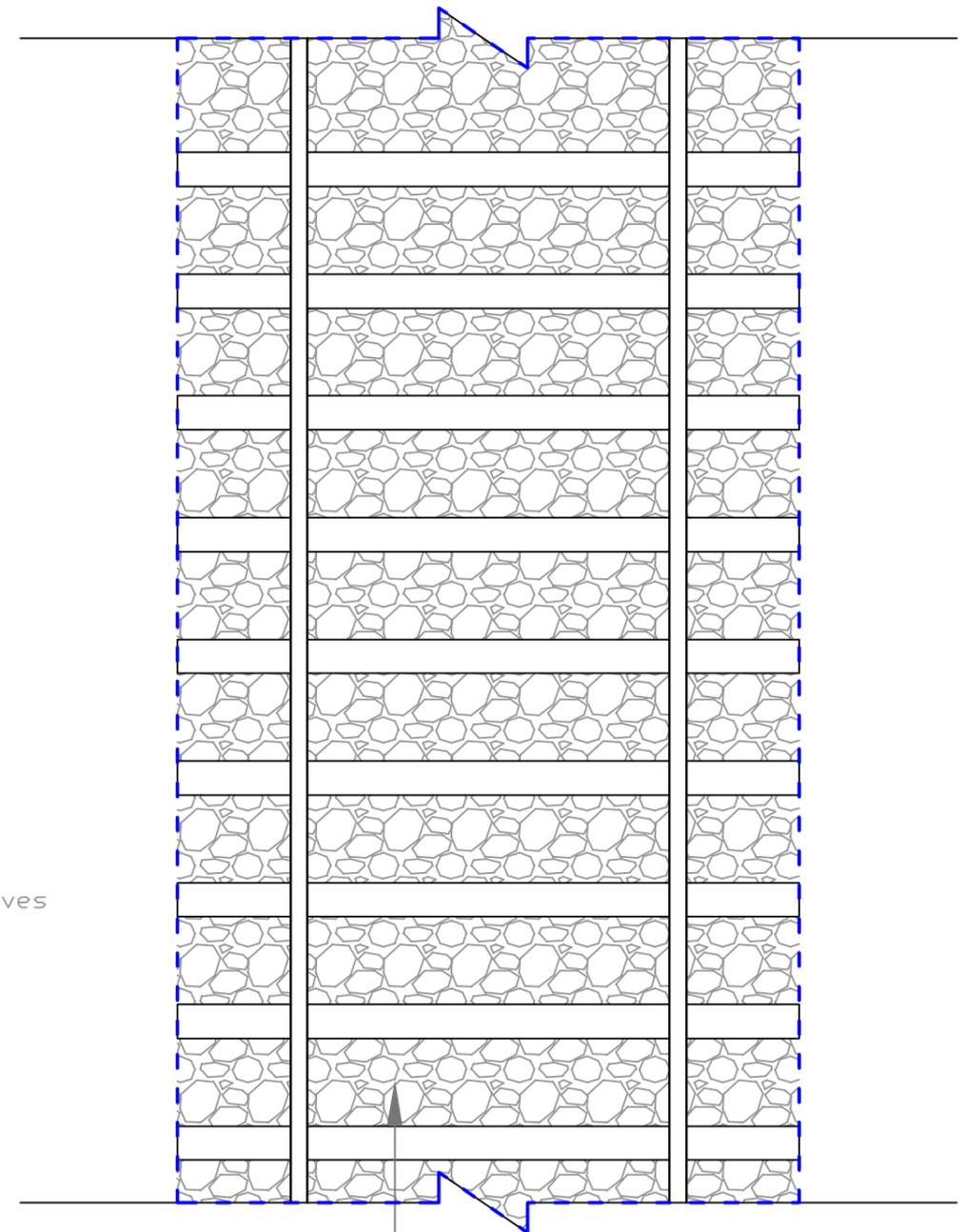
 5th Floor, Pragati Maidan Metro Station Building, New Delhi-110001, INDIA



MINIMUM BALLAST PROFILE (B.G.) FOR LOOPs ON STRAIGHTS



MINIMUM BALLAST PROFILE (B.G.) FOR LOOPs ON CURVES



Ballast in this portion will be filled up to the top of sleepers

All Dimensions are in MM.

INDICATIVE DRAWING

SCALE
NTS

GENERAL CONSULTANT



AECOM Asia Co. Ltd.

9TH FLOOR, INFINITY TOWER C DLF CYBER CITY
DLF PHASE II GURGAON 122002, INDIA

TITLE

**MINIMUM BALLAST PROFILE
B.G. FOR LOOPs FOR
STRAIGHTS, CURVES**

Drg No. DFC/2015/BF/01



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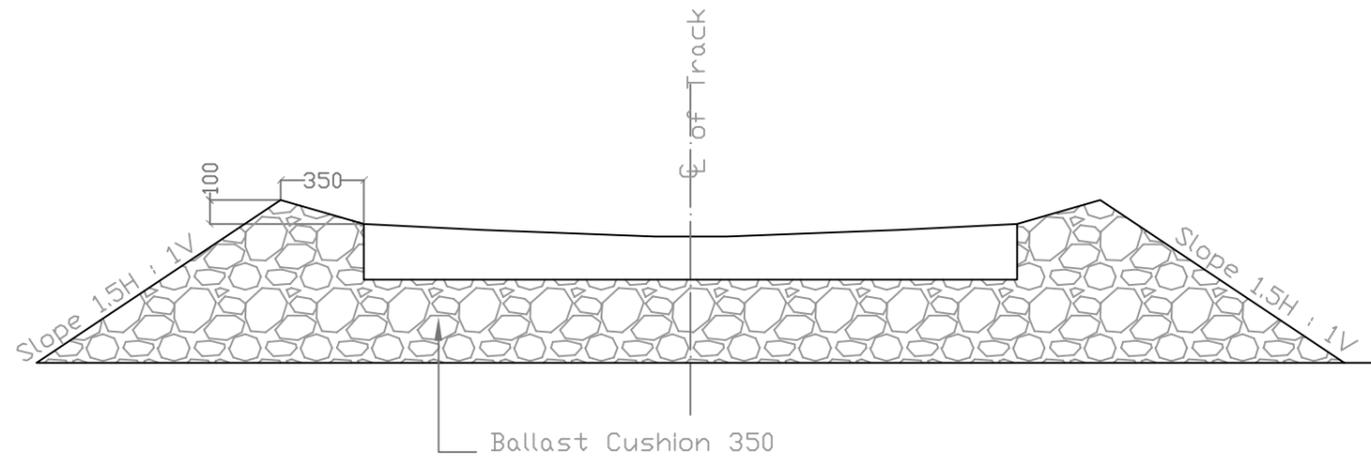
DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.

(A GOVERNMENT OF INDIA ENTERPRISE)

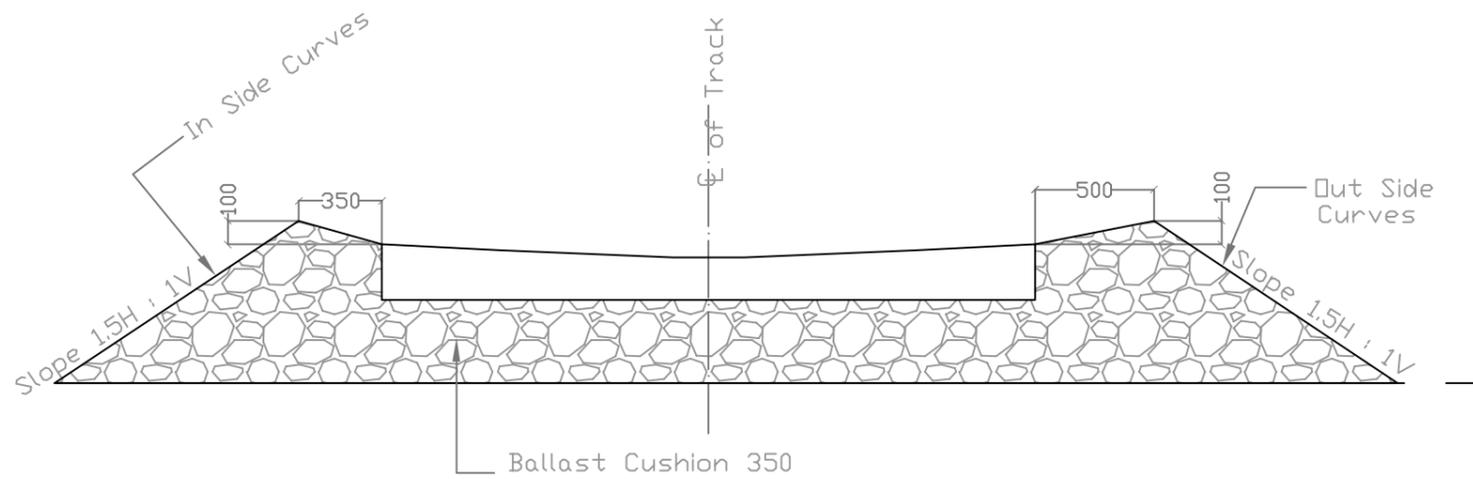
EASTERN CORRIDOR

PROJECT

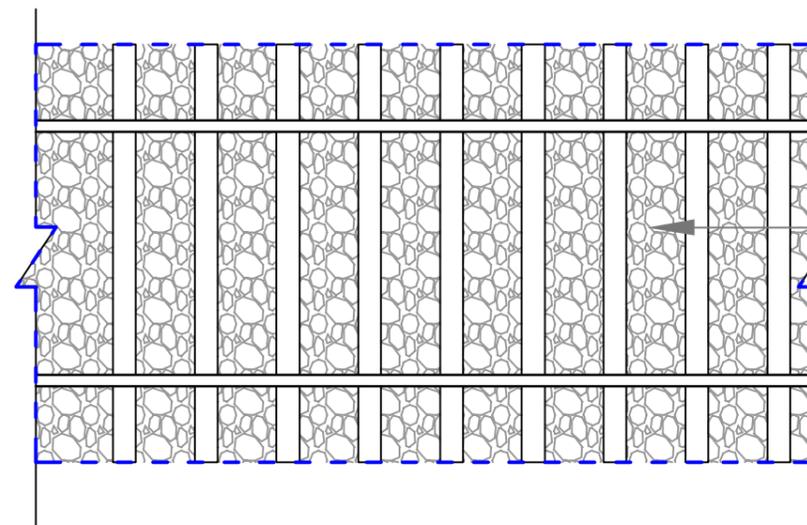
KHURJA TO PILKHANI



MINIMUM MAIN LINE BALLAST PROFILE SINGLE LINE (B.G. FOR STRAIGHTS FOR LWRs/CWRs)



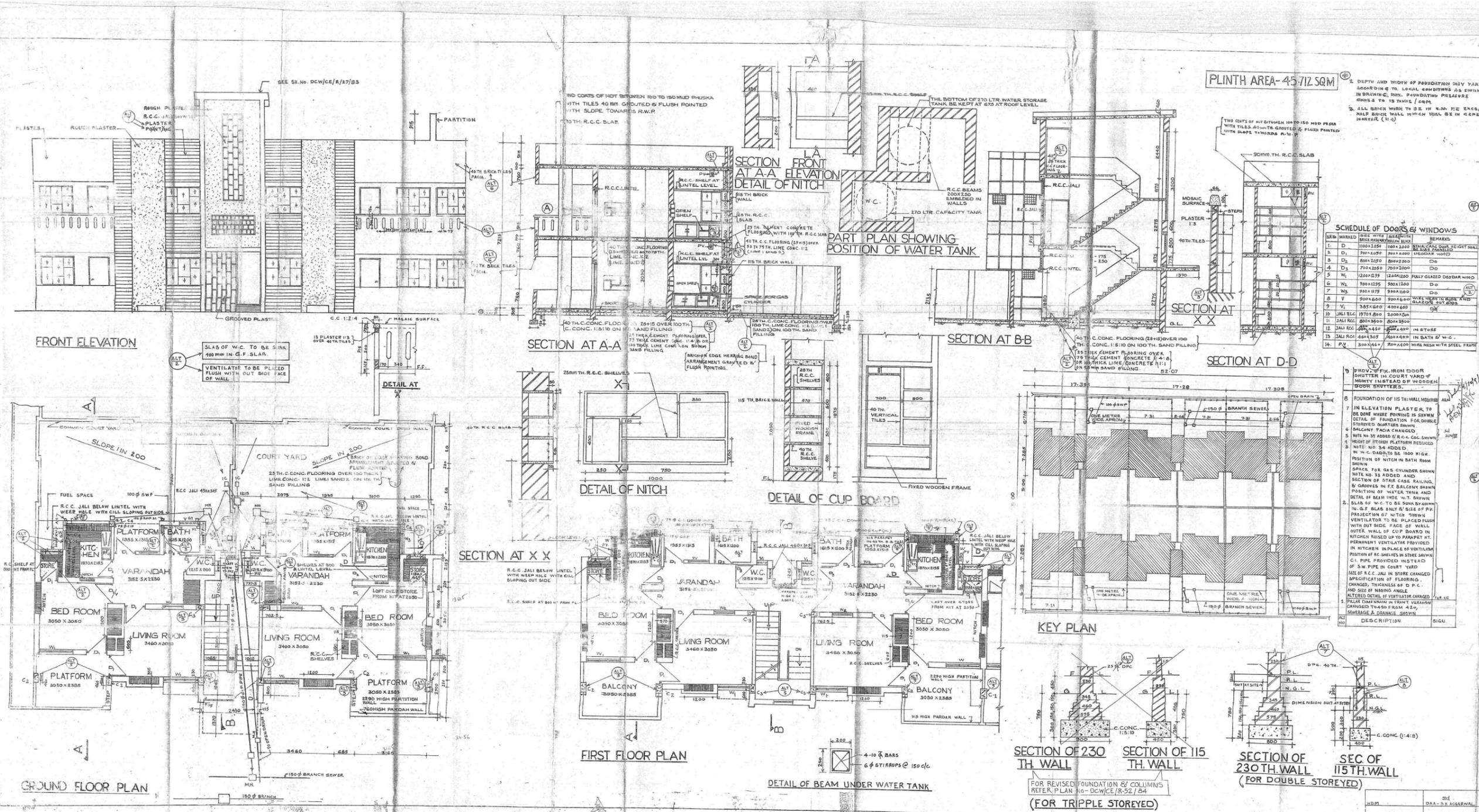
MINIMUM MAIN LINE BALLAST PROFILE SINGLE LINE (B.G. FOR CURVES FOR LWRs/CWRs)



Ballast in this portion will be filled up to the top of sleepers

INDICATIVE DRAWING

SCALE NTS	GENERAL CONSULTANT AECOM AECOM Asia Co. Ltd. 9TH FLOOR, INFINITY TOWER C DLF CYBER CITY DLF PHASE II GURGAON 122002, INDIA	TITLE MINIMUM BALLAST PROFILE SINGLE LINE B.G. FOR STRAIGHTS & CURVES	 DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD (A GOVERNMENT OF INDIA ENTERPRISE) EASTERN CORRIDOR
		Drg No. DFC/2015/BF/02	



PLINTH AREA-45.712 SQM

SCHEDULE OF DOORS & WINDOWS

NO.	MARKED	DESCRIPTION	REMARKS
1	D	1000x2000	DOOR WITH GLASS
2	D	800x2000	DOOR WITH GLASS
3	D	700x2000	DOOR WITH GLASS
4	D	1200x2000	DOOR WITH GLASS
5	W	900x1200	WINDOW WITH GLASS
6	W	800x1200	WINDOW WITH GLASS
7	W	900x1200	WINDOW WITH GLASS
8	W	800x1200	WINDOW WITH GLASS
9	W	800x1200	WINDOW WITH GLASS
10	W	800x1200	WINDOW WITH GLASS
11	W	800x1200	WINDOW WITH GLASS
12	W	800x1200	WINDOW WITH GLASS
13	W	800x1200	WINDOW WITH GLASS
14	W	800x1200	WINDOW WITH GLASS

- DEPTH AND WIDTH OF FOUNDATION SHALL VARY ACCORDING TO LOCAL CONDITIONS AS SHOWN IN DRAWING. SEE FOUNDATION PRESSURE CROSS TO IS 1900 (S.P.).
- ALL BRICK WORK TO BE IN W.A. THE EXCEPT HALF BRICK WALL WHICH SHALL BE IN CEMENT MORTAR (1:1:6).
- ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE SPECIFIED.
- CHIEF ENGINEER'S SIGNATURE OF PLAT BRICK WILL BE CONSTRUCTED WITH 10% WASTE.
- SHRINKING IS TO BE PROVIDED.
- IN BATH ROOMS WORKING DADO WITH ORDINARY GREY CEMENT TO BE PROVIDED TO THE CEILING.
- FLOOR OF THE BATH ROOM SHALL BE MOBSAIC AND SUNK BY 10MM TO MAIN FLOOR.
- FIVE TANKS 15MM EACH TO BE PROVIDED AS MENTIONED BELOW.
- IN BATH ROOM AT HEIGHT 1000MM FROM FLOOR LEVEL (WITH W.C.) TO BE 230 X 230.
- IN KITCHEN TO BE 230 X 230.
- IN SHOWER IN BATH ROOM TO BE 200 X 200.
- STANDARD R.C. LINTEL AS PER PLAN NO. DCW/CE/10/17/83.
- R.C.C. SHELVES WILL BE PROVIDED.
- ALL DOORS & WINDOWS TO BE PROVIDED WITH 10MM G.R. GLASS.
- IN THE CASE OF 230 X 230 TO BE PROVIDED WITH 10MM G.R. GLASS.
- PROV. TO ALL WALLS EXCEPT COURT YARD WALL WHICH WILL BE PROVIDED WITH 10MM G.R. GLASS.
- FOR REVISIONS TO BE PROVIDED.
- 15TH CUP BOARD SHUTTER TO BE PROVIDED WITH BOARD IN YARD ROOM TO BE PROVIDED.
- FIXED WIRE GAUGE IS PROVIDED IN ALL EXTERNAL WINDOW.
- PERMANENT VENTILATORS 230 X 230 WIRE GAUGE FIXED IN STEEL FRAME TO BE PROVIDED IN KITCHEN AND W.C.
- PROVIDED ANGLE IRON TO BE PROVIDED IN PROVIDED IN STAIRCASE (S.P.).
- WHOLE IRON SHALL BE PROVIDED IN DOORS.
- WINDOWS & VENTILATORS WITH WIRE GAUGE IN FRAMES AS WELL AS PROVIDED WITH COUNTER SINK MACHINE (S.P.).
- PROVIDE WIRE MESH WITH 10MM G.R. GLASS IN BATH ROOM WITH HOLLOW BRICK.
- BRICKS OF SIZE AS REQUIRED TO BE MANUFACTURED AS PER IS 1900.
- IN TOTAL LENGTH OF WALL SHALL DIFFERENCE DUE TO THE USAGE OF BRICKS IS ADJUSTED IN JOINTS BY GIVING SLIGHTLY THICKER JOINTS TO BE PROVIDED.
- OVERALL LENGTH OF EACH UNIT AS SHOWN IN THE PLANS TO BE MAINTAINED BY FINING THE BRICKS AT THE END OF THE OTHER WALLS ONLY AND THE SIZE OF THE ROOMS BE IN ACCORDANCE WITH THE CASE NO. DCW/CE/10/17/83.
- THE SIZE OF WARDROBE, CUP BOARD AND LINTELS ARE ADJUSTED ACCORDING TO THE CONDITIONS.
- LINTEL HEIGHT IS 100MM AND SHALL BE 100 X 100.
- PILLAR SIZES IN 230 X 230 TO BE PROVIDED IN PLACE OF 400 X 400.
- THE DEPTH OF WATER TANK TO BE PROVIDED SHALL BE 1000MM.
- LEVEL SAND BELOW WATER TANK TO BE PROVIDED.
- HEIGHT OF BRICK CHIMNEY SHALL BE 1000MM.
- 230 X 230 R.C.C. CHIMNEY SHALL BE PROVIDED WITH WIRE GAUGE.
- LAR HOSE AND CENTRE.
- FOR DETAIL OF W.C. SEE IS 1900 (S.P.).
- ALL S.P. SHALL BE PROVIDED IN ACCORDANCE WITH IS 1900 (S.P.).
- TERRACE SHALL BE PROVIDED IN ACCORDANCE WITH IS 1900 (S.P.).
- COLU. SHALL BE PROVIDED IN ACCORDANCE WITH IS 1900 (S.P.).
- CASE OF TYPICAL CASE TO BE PROVIDED.

TRUE COPY

DESIGNER: [Signature]

CHIEF ENGINEER: [Signature]

SENIOR CIVIL ENGINEER: [Signature]

ASSISTANT ENGINEER (F&D): [Signature]

DESEL COMPONENT WORKS PTA

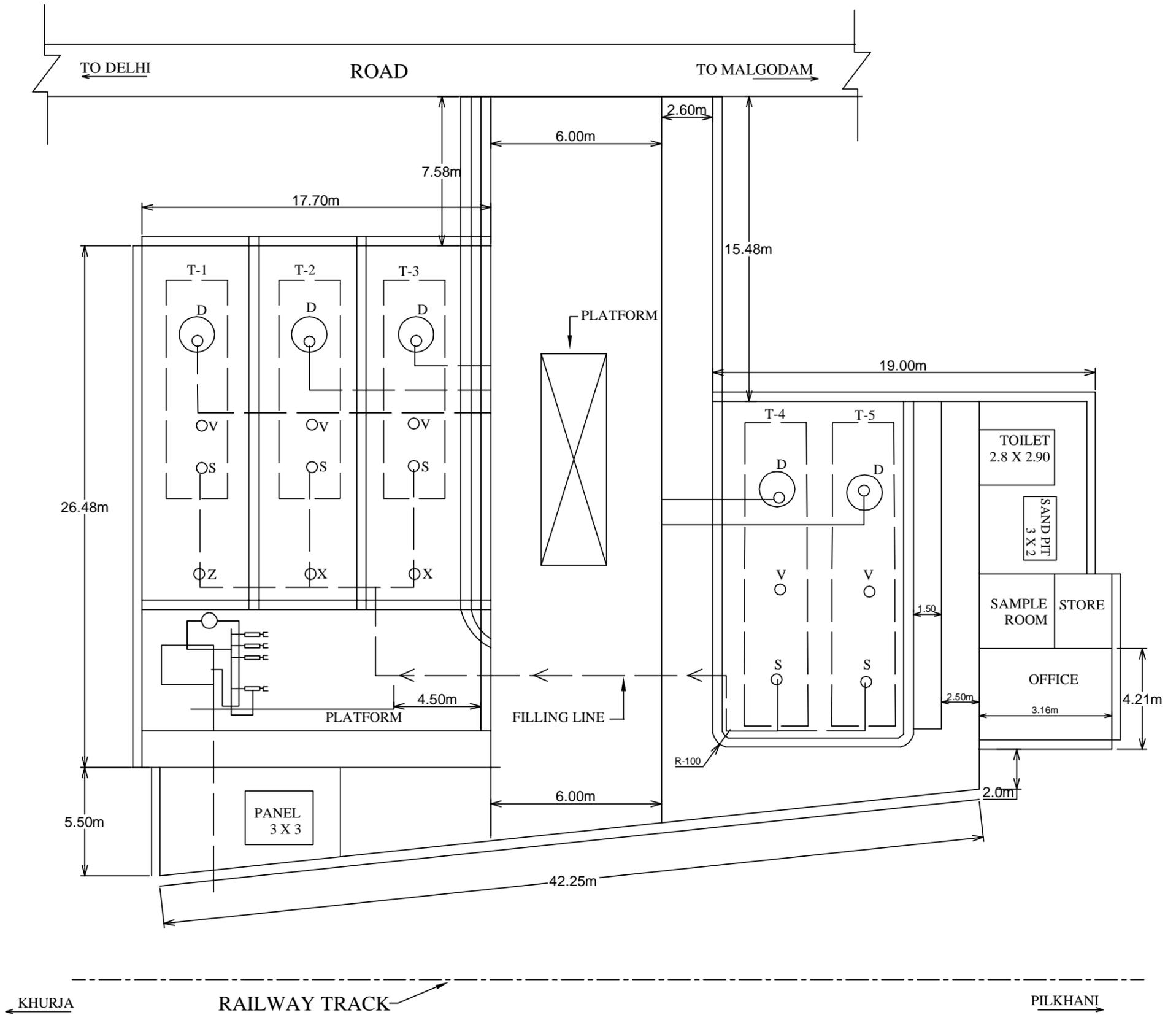
STANDARD TYPE II QUARTERS

DOUBLE STOREYED

SCALE - 1:50

CASE NO - DCW/CE/10/17/83

INDICATIVE SITE PLAN OF BHARAT PETROLEUM DEPOT FALLING ON ALIGNMENT OF EDFC IN SAHARANPUR YARD REQUIRED TO BE RELOCATED



DETAILS OF TANKS

SR. NO.	TANK SIZE IN METERS	CAPACITY.(KL)
T1	2.74 X 12.85	70
T2	2.74 X 12.00	68
T3	3.18 X 11.50	90
T4	4.10 X 14.65	200
T5	4.10 X 14.65	200

NOTE :-
THIS IS INDICATIVE LAYOUT PLAN OF THE BPCL FACILITY AT SAHARANPUR YARD. THE CST CONTRACTOR SHOULD CONSIDER ALL OTHER RELATED TECHNICAL EQUIPMENTS AND T&P REQUIRED TO MAKE IT FULLY FUNCTIONAL AT THE SHIFTED LOCATION FOR BIDDING PURPOSE.

INDICATIVE DRAWING

SCALE NTS	GENERAL CONSULTANT AECOM AECOM Asia Co. Ltd. 9TH FLOOR, INFINITY TOWER C DLF CYBER CITY DLF PHASE II GURGAON 122002, INDIA	TITLE MINIMUM BALLAST PROFILE SINGLE LINE B.G. FOR STRAIGHTS & CURVES	 DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD. (A GOVERNMENT OF INDIA ENTERPRISE) EASTERN CORRIDOR
		Drg No. DFC/2016/BPD	