

DESIGN AND CONSTRUCTION OF CIVIL, STRUCTURES AND TRACK WORKS FOR SINGLE LINE RAILWAY INVOLVING FORMATION IN EMBANKMENTS/CUTTINGS, BALLAST ON FORMATION, TRACK WORKS, BRIDGES, STRUCTURES, BUILDINGS, YARDS, INTEGRATION WITH IR EXISTING RAILWAY SYSTEM AND TESTING & COMMISSIONING ON DESIGN-BUILD LUMP SUM BASIS FOR SAHNEWAL - PILKHANI SECTION OF EASTERN DEDICATED FREIGHT CORRIDOR

Contract Package: 301

ICB No. HQ/EN/EC/D-B/SAHNEWAL - PILKHANI

PART - 4 - REFERENCE DOCUMENT

OTHER DRAWINGS - VOLUME - 5.4

SAHNEWAL - PILKHANI

From Km. 360.200 to Km. 187.500

OTHER DRAWINGS

EMPLOYER
DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LIMITED
(A GOVERNMENT OF INDIA ENTERPRISES)
MINISTRY OF RAILWAYS
COUNTRY: INDIA

CONTENTS OTHER DRAWINGS (CONTRACT PACKAGE 301)

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SL. NO	DESCRIPTION	DRAWING NO.	REVISION NO.	REMARKS	SL. NO.	DESCRIPTION	DRAWING NO.	REVISION NO.	REMARKS
1	TYPICAL GAD FOR BOUNDARY WALL	DFCC/BOUNDARY WALL/TYP-001	RO		\neg				
2	TYPICAL GAD FOR STATION BUILDING FOR JUNCTION STATION (GF & FF)	GC/DFCC/JS/101	R0						
3	TYPICAL GAD FOR STATION BUILDING FOR JUNCTION STATION (ELEVATION)	GC/DFCC/JS/102	R0						
4	TYPICAL GAD FOR STATION BUILDING FOR CROSSING STATION (GF & FF)	GC/DFCC/CS/201	R0						
5	TYPICAL GAD FOR STATION BUILDING FOR CROSSING STATION (ELEVATION)	GC/DFCC/CS/202	R0						
6	TYPICAL GAD FOR LC GATE LODGE	GC/DFCC/GL/505/R1	R1						
7	TYPICAL GAD FOR INTEGRATED MAINTENANCE DEPOT (IMD)	GC/DFCC/IMD/301	R0						
8	TYPICAL GAD FOR INTEGRATED MAINTENANCE SUB DEPOT (IMSD)	GC/DFCC/IMSD/401	R0						
9	TYPICAL DRAWING FOR SEE THROUGH FENCING	DFC/2015/FEN/TYP	R0						
10	TYPICAL GAD FOR TYPE 'A' QUARTER	GC/DFCC/QRTS/701	R0						
11	TYPICAL GAD FOR TYPE 'B' QUARTER	GC/DFCC/QRTS/702	R0						
12	TYPICAL GAD FOR TYPE 'C' QUARTER	GC/DFCC/QRTS/703	R0						
13	TYPICAL GAD FOR EARTHING ARRANGEMENT ON BRIDGES	HQ/EL/OHE/Pt.1/Earthing	R0						
14	TYPICAL DRAWING FOR FIXING OF OHE MAST ON BRIDGE PIER	HQ/EL/OHE/Pt.1/Mast	R0						
15	TYPICAL DRAWING MINIMUM BALLAST PROFILE B.G. FOR LOOPS FOR STRAIGHTS, CURVES	DFC/2015/BF/01	R0						
16	TYPICAL DRAWING MINIMUM BALLAST PROFILE SINGLE LINE B.G. FOR STRAIGHTS & CURVES	DFC/2015/BF/02	R0						
17	TYPICAL DRAWING FOR TYPE II IR QUARTERS	DCW/CE/P/17/82	R0						
18	TYPICAL DRAWING FOR TYPE III IR QUARTERS	DCW/CE/P/18/82	R0						
19	TYPICAL DRAWING FOR DEFENCE STRUCTURE TO BE RELOCATED	DFC/2015/ARMY/STR	R0						
20	MODUS OPERANDI - CONSTRUCTION OF TRACK BETWEEN CH 33900 TO CH 35900	DFC/2015/MO/01/DZP-MFB	R0						

GENERAL CONSULTANT

AECOM Asia Co. Ltd.

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

TITLE

CONTENTS OTHER DRAWINGS (301)

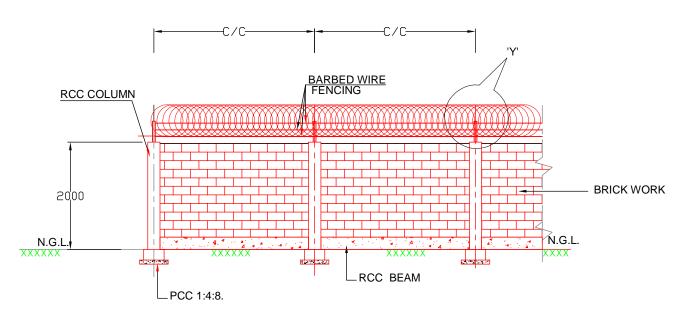
TE SHAPE डेडीकेटेड फ्रेंट कोरीडोर

DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.

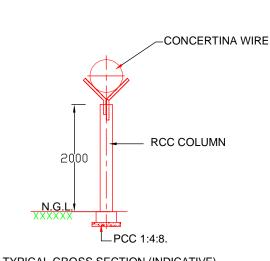
(A GOVERNMENT OF INDIA ENTERPRISE)

EASTERN CORRIDOR

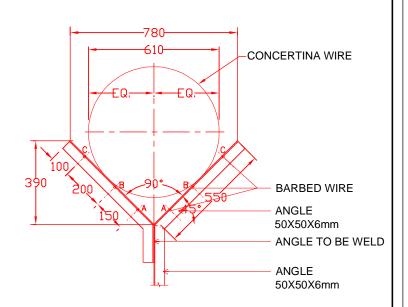
PROJECT SAHNEWAL TO PILKHANI



ELEVATION OF BOUNDRY WALL



TYPICAL CROSS SECTION (INDICATIVE)



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

INDICATIVE DRAWING

DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.



DETAIL

TYPICAL GENERAL ARRANGEMENT DRAWING FOR BOUNDARY WALL

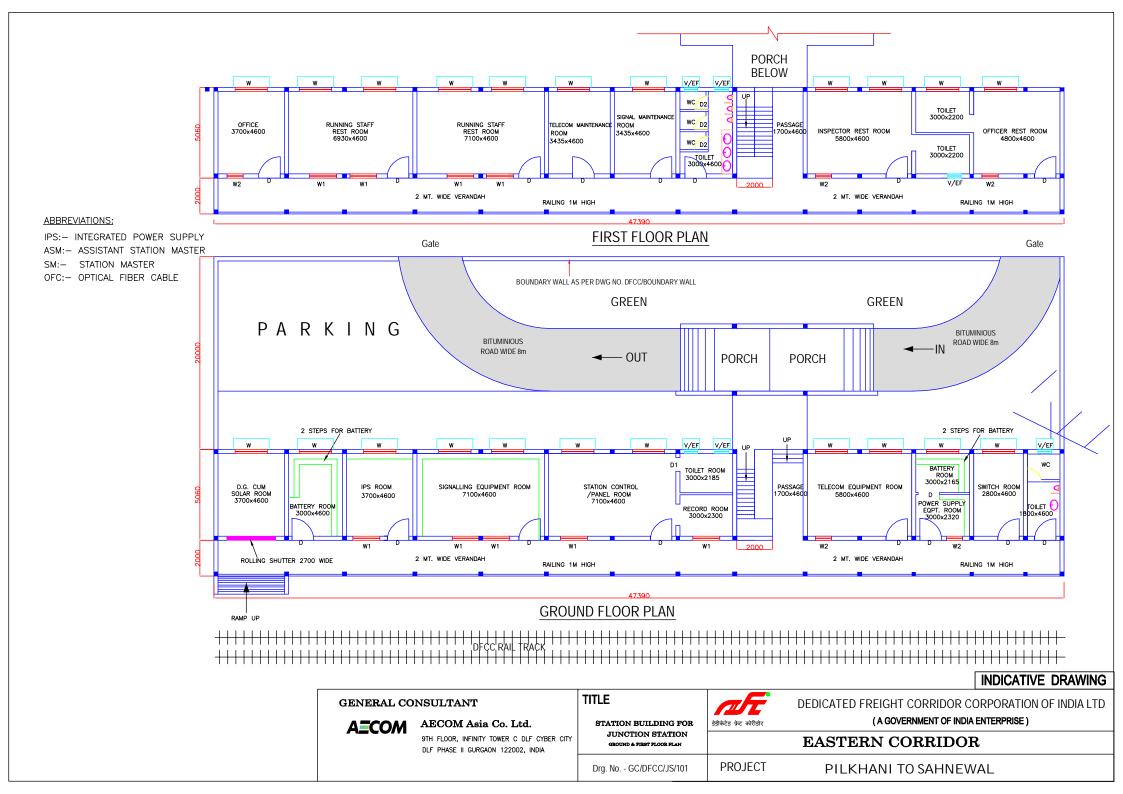
SCALE	N.T.S.	
DRG.NO.	DFCC/BOUNDARY WALL/TYP-001	

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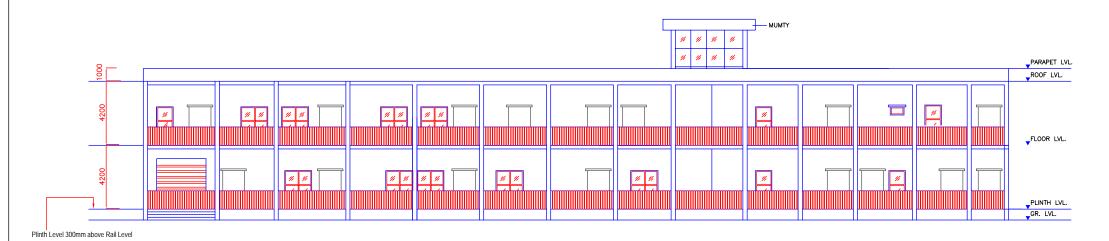
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NOTES:-

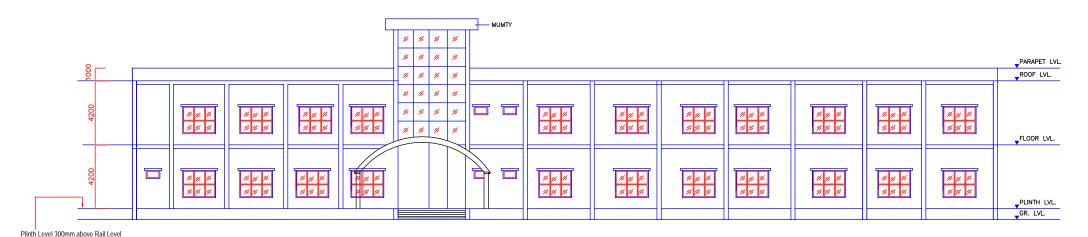
- 1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.
- 2. WRITTEN DIMENSIONS ARE TO BE FOLLOWED. DRAWINGS ARE NOT TO BE SCALED.
- 3. DEPTH OF FOUNDATION AND C/C OF RCC COLUMN WILL BE DEPEND UPON SITE CONDITION.



STATION BUILDING (For Junctions Stations)

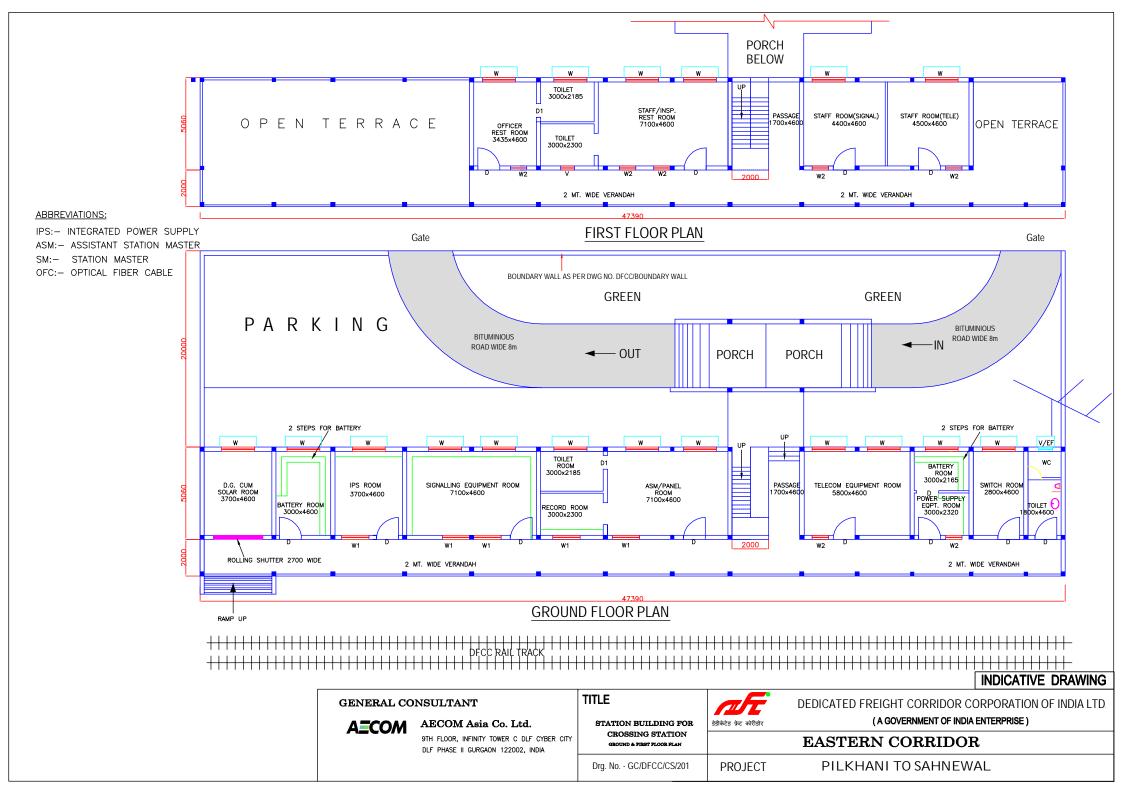


REAR ELEVATION

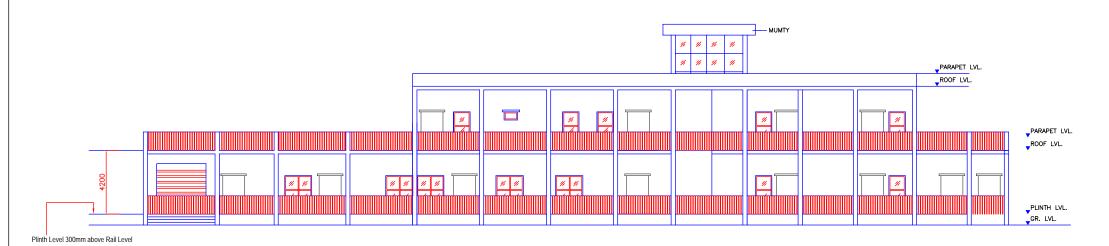


FRONT ELEVATION

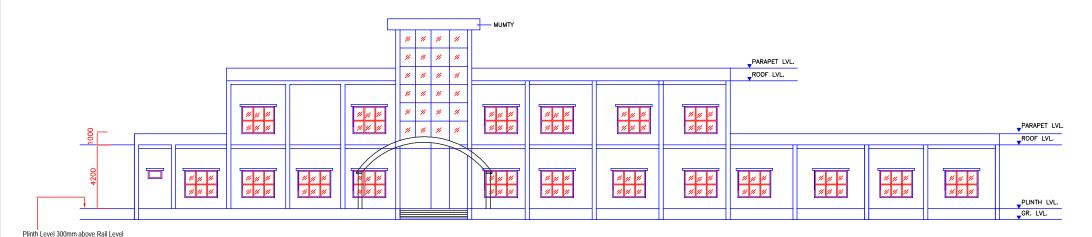
INDICATIVE DRAWING TITLE DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD. GENERAL CONSULTANT (A GOVERNMENT OF INDIA ENTERPRISE) A=COM AECOM Asia Co. Ltd. STATION BUILDING FOR डेडीकेटेड फ्रेट कोरीडोर JUNCTION STATION 9TH FLOOR, INFINITY TOWER C DLF CYBER CITY EASTERN CORRIDOR PRONT & REAR ELEVATION DLF PHASE II GURGAON 122002, INDIA **PROJECT** Drg. No. - GC/DFCC/JS/102 PILKHANI TO SAHNEWAL



STATION BUILDING (For Crossing Stations)

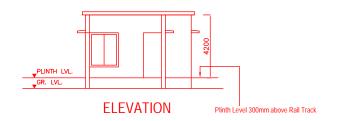


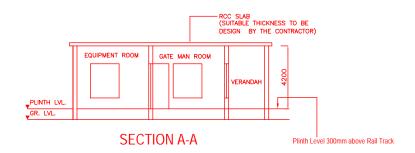
REAR ELEVATION

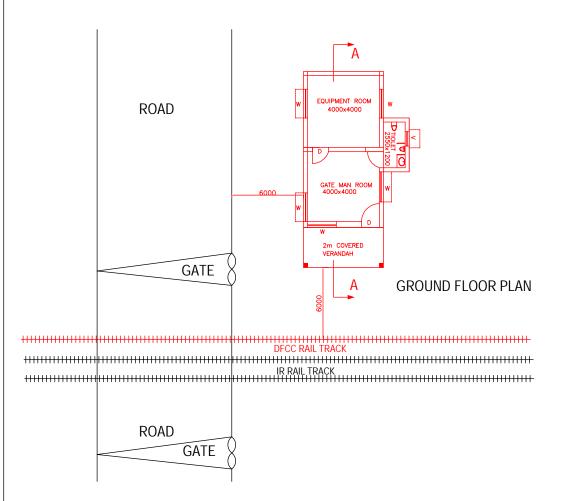


FRONT ELEVATION

INDICATIVE DRAWING TITLE DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD. GENERAL CONSULTANT (A GOVERNMENT OF INDIA ENTERPRISE) A=COM AECOM Asia Co. Ltd. STATION BUILDING FOR डेडीकेटेड फ्रेट कोरीडोर CROSSING STATION 9TH FLOOR, INFINITY TOWER C DLF CYBER CITY EASTERN CORRIDOR PRONT & REAR ELEVATION DLF PHASE II GURGAON 122002, INDIA PILKHANI TO SAHNEWAL Drg. No. - GC/DFCC/JS/202 **PROJECT**







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

INDICATIVE DRAWING

GENERAL CONSULTANT

A=COM

AECOM Asia Co. Ltd.

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

TITLE
PROPOSED TYPICAL GAD
FOR LC GATE LODGE

डेडीकेटेड फ्रेट कोरीडोर

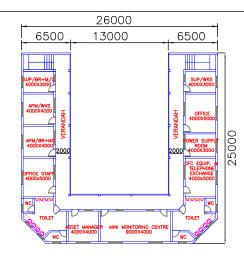
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(A GOVERNMENT OF INDIA ENTERPRISE)

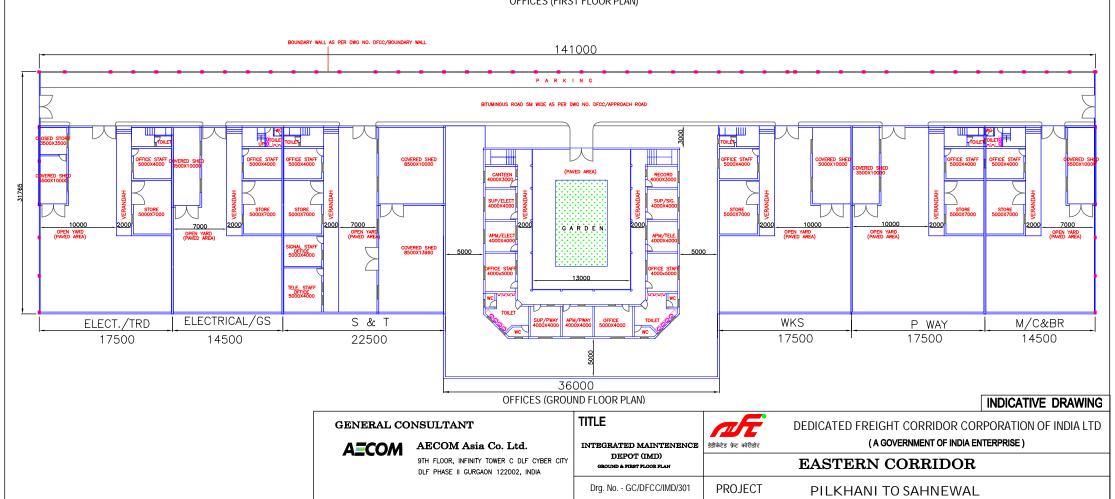
EASTERN CORRIDOR

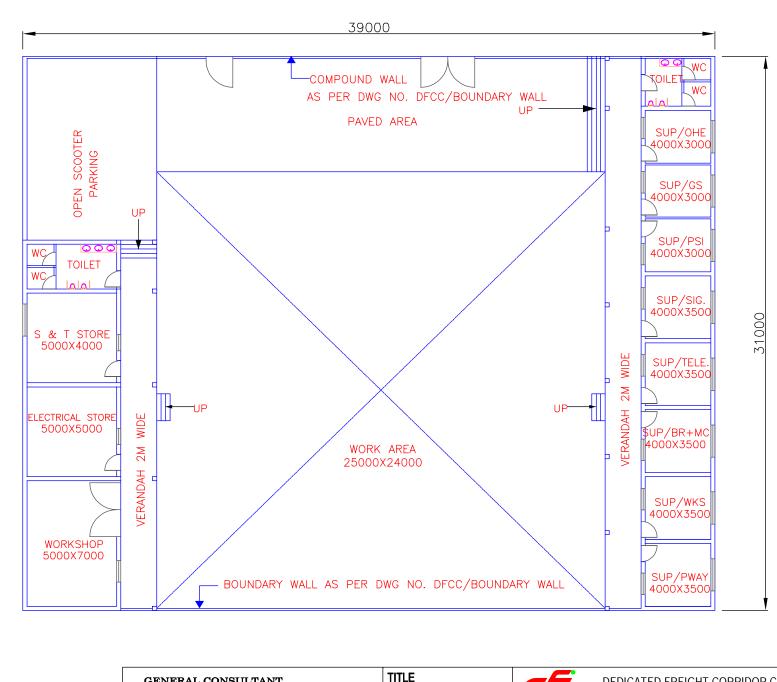
Drg. No. - GC/DFCC/GL/505/R1 | PROJECT

PILKHANI TO SAHNEWAL



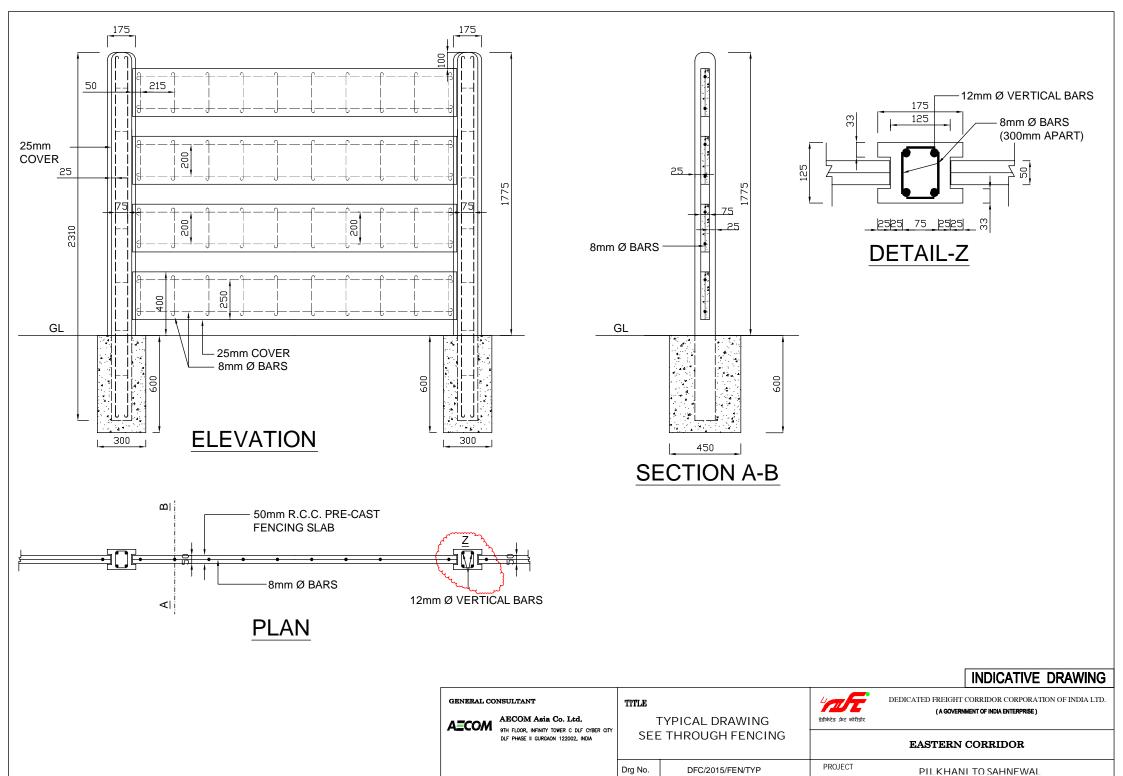
OFFICES (FIRST FLOOR PLAN)

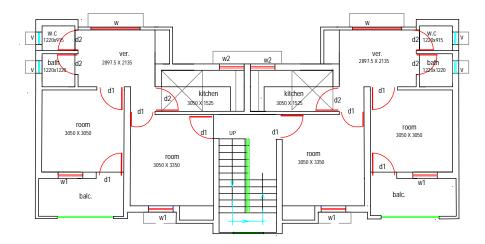




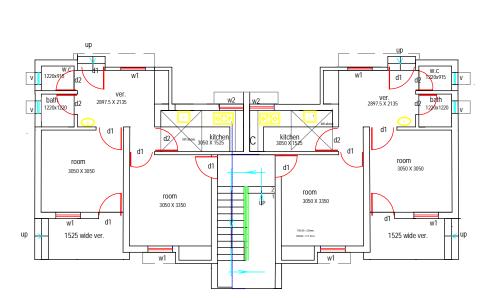
INDICATIVE DRAWING

TITLE DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD. GENERAL CONSULTANT (A GOVERNMENT OF INDIA ENTERPRISE) A=COM AECOM Asia Co. Ltd. INTEGRATED MAINTENANCE डेडीकेटेड फ्रेट कोरीडोर SUB DEPOT (IMSD) 9TH FLOOR, INFINITY TOWER C DLF CYBER CITY EASTERN CORRIDOR GROUND PLOOR PLAN DLF PHASE II GURGAON 122002, INDIA Drg. No. - GC/DFCC/IMSD/401 **PROJECT** PILKHANI TO SAHNEWAL





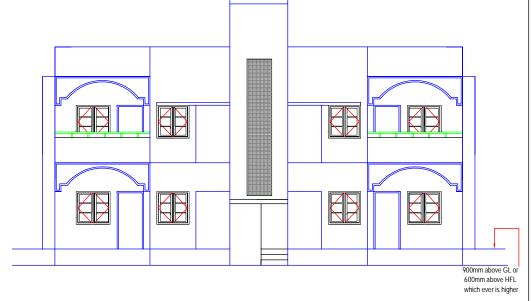
FIRST FLOOR PLAN (TYPE-A BLOCK)



GROUND FLOOR PLAN (TYPE-A BLOCK)

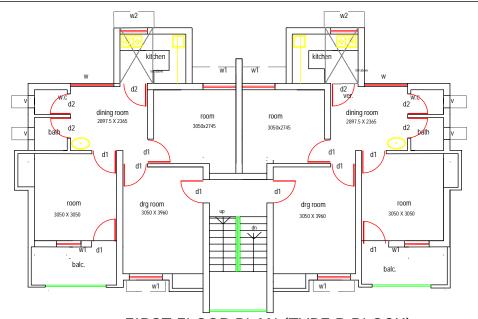
Number of Quarter and their location shall be decided by employer at each station.

NOTES:-

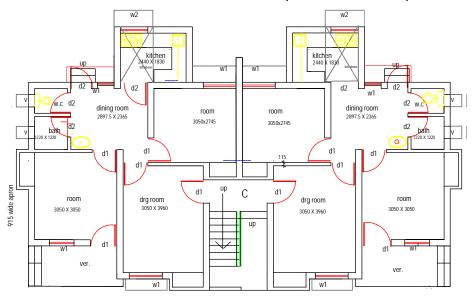


FRONT ELEVATION (TYPE-A BLOCK)

				INDICATIVE DRAWING
GENERAL CONSULTANT		TITLE	DEDICATED FREIGHT CORRIDOR CORPORATION OF	
A≣COM	AECOM Asia Co. Ltd.	TYPE - A QUARTER GROUND, FIRST FLOOR PLAN AND ELEVATION	डेडीकेटेड फ्रेट कोरीडोर (A GOVERNMENT OF INDIA ENTERPRISE)	
7.200	9TH FLOOR, INFINITY TOWER C DLF CYBER CITY DLF PHASE II GURGAON 122002, INDIA			EASTERN CORRIDOR
		Drg. No GC/DFCC/QRTS/701	PROJECT	PILKHANI TO SAHNEWAL



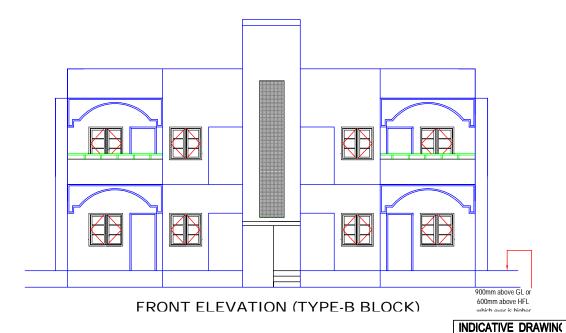
FIRST FLOOR PLAN (TYPE-B BLOCK)



GROUND FLOOR PLAN (TYPE-B BLOCK)

NOTES:-

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



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GENERAL CONSULTANT

AECOM AECOM Asia Co. Ltd.

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

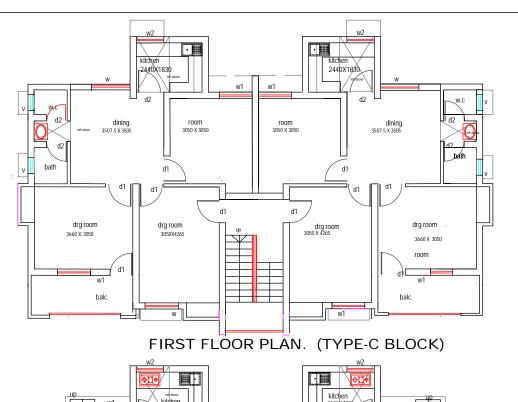
TITLE TYPE - B QUARTER GROUND, FIRST FLOOR FLAW NO BLEVATION

DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.

(A GOVERNMENT OF INDIA ENTERPRISE)

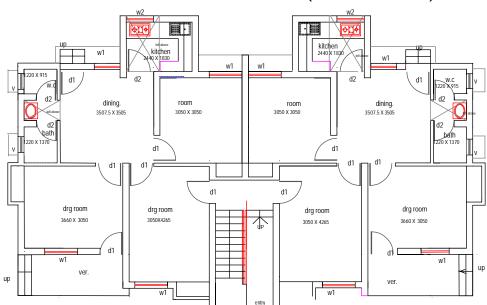
EASTERN CORRIDOR

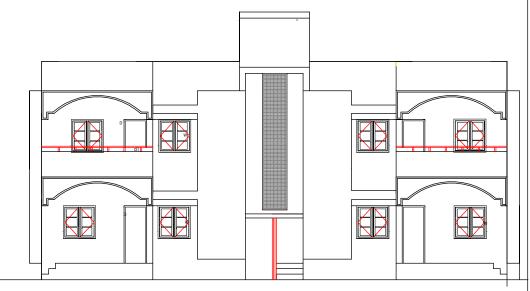
Drg. No. - GC/DFCC/QRTS/702 PROJECT PILKHANI TO SAHNEWAL



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)

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

GENERAL CONSULTANT

A=COM

AECOM Asia Co. Ltd.

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

TITLE

TYPE - C QUART

TYPE - C QUARTER
GROUND, FIRST FLOOR PLAN AND ELEVATION

डेडीकेटेड फ्रेंट कोरीडोर

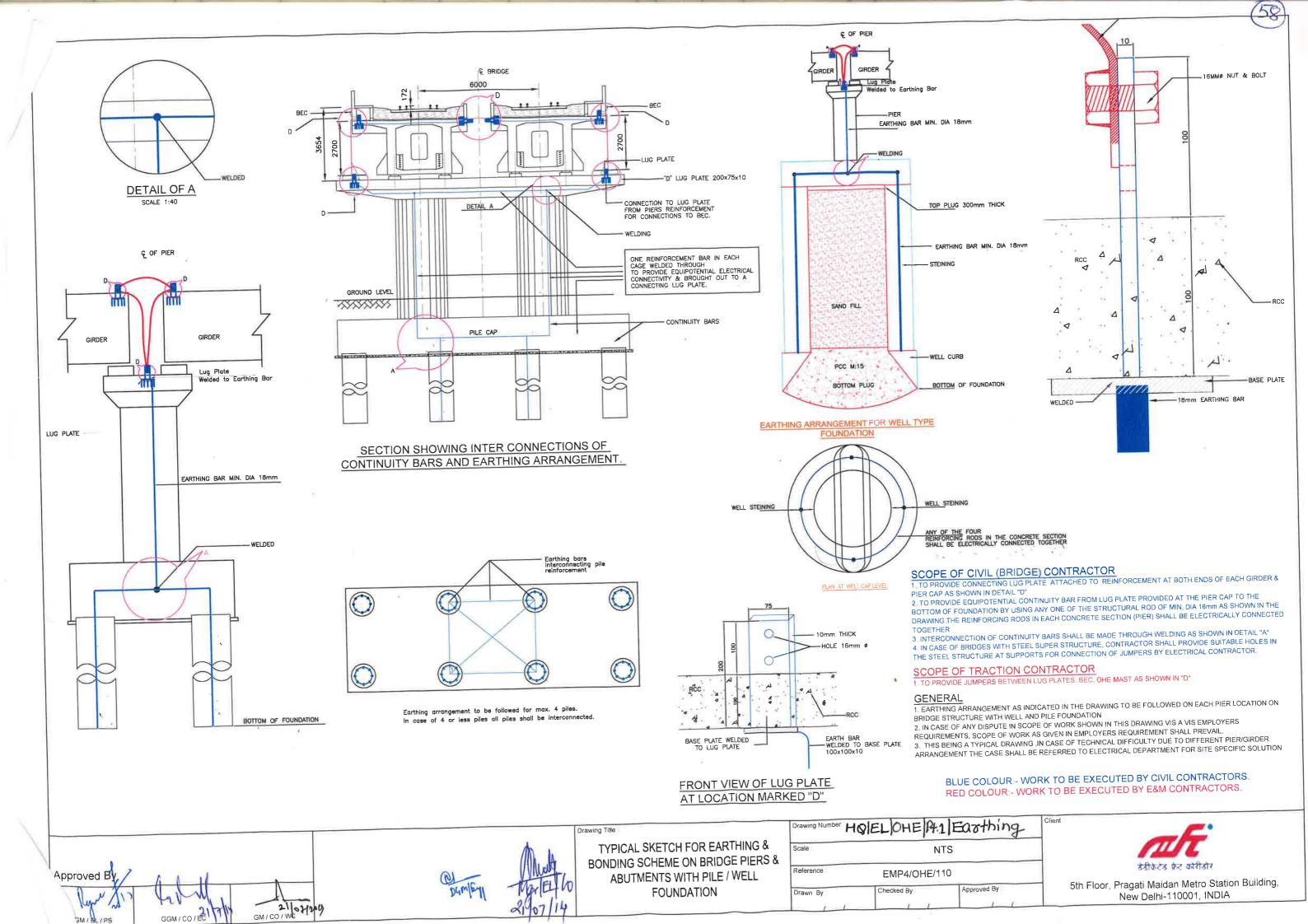
DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.

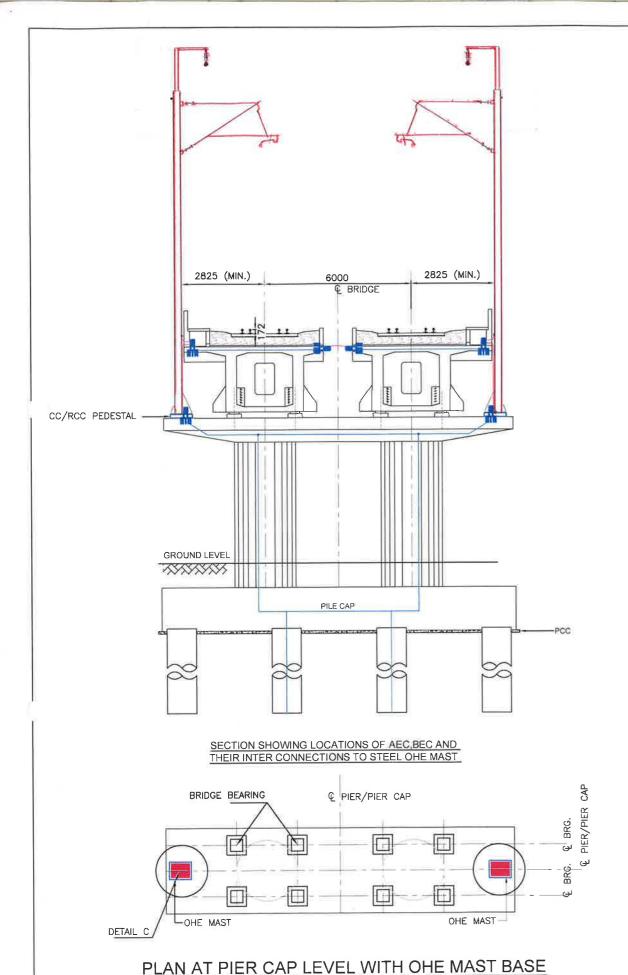
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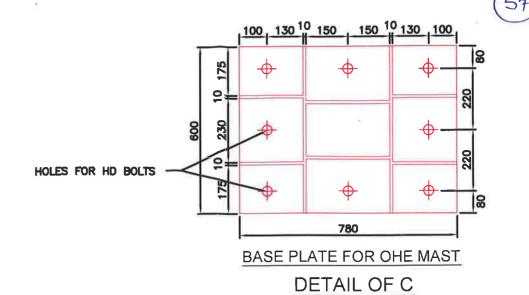
EASTERN CORRIDOR

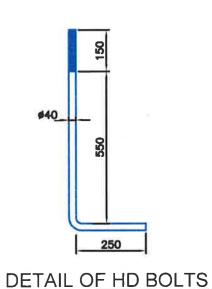
PROJECT PILKHANI TO SAHNEWAL

INDICATIVE DOMANING









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

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.

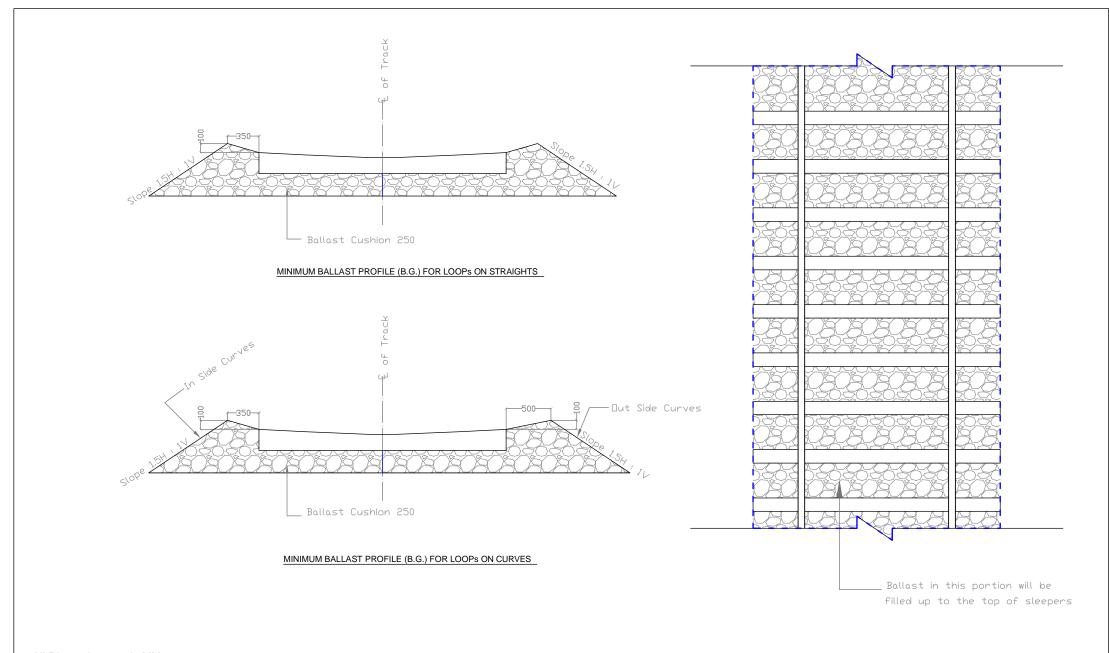


TYPICAL SKETCH FOR FIXING OF OHE MAST ON BRIDGE PIER

Drawing Number HQ/EL/OHE/P+1/MQS+						
Scale NTS						
Reference	EMP4/OHE/	110				
Drawn By	Checked By	Approved By				



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



All Dimensions are in MM.

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

IILE	
	4
INIMUM BALLAST PROFILE	डेः
B.G. FOR LOOPs FOR	
OTD MOUTO OUD /CO	

Drg No. DFC/2015/BF/01

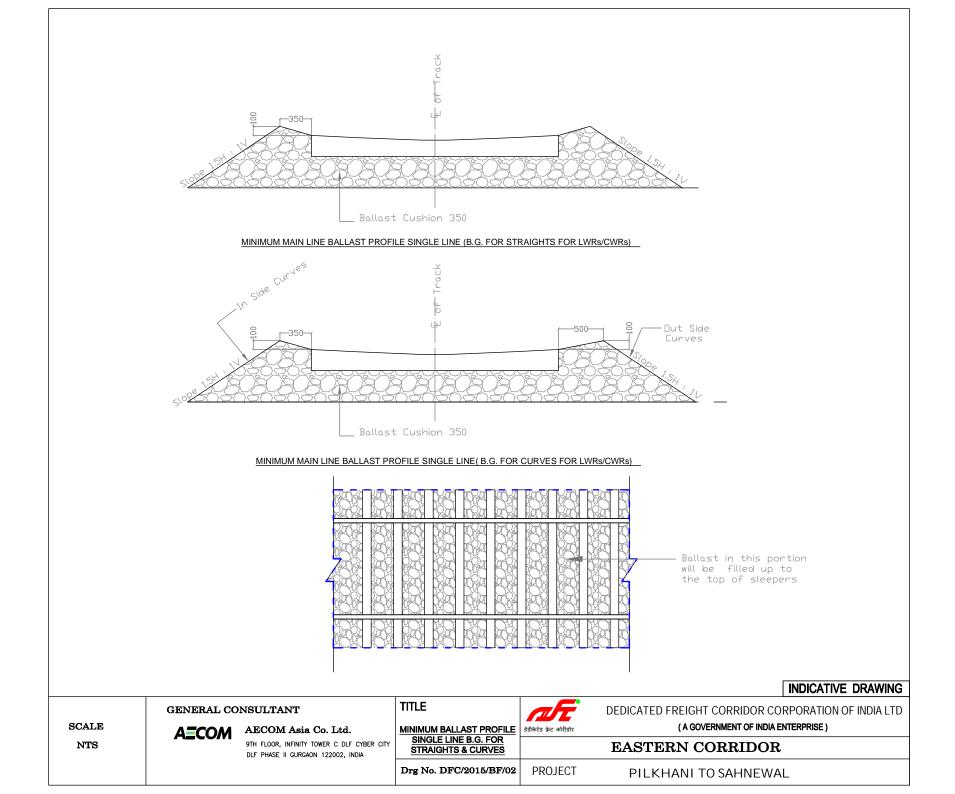
STRAIGHTS, CURVES

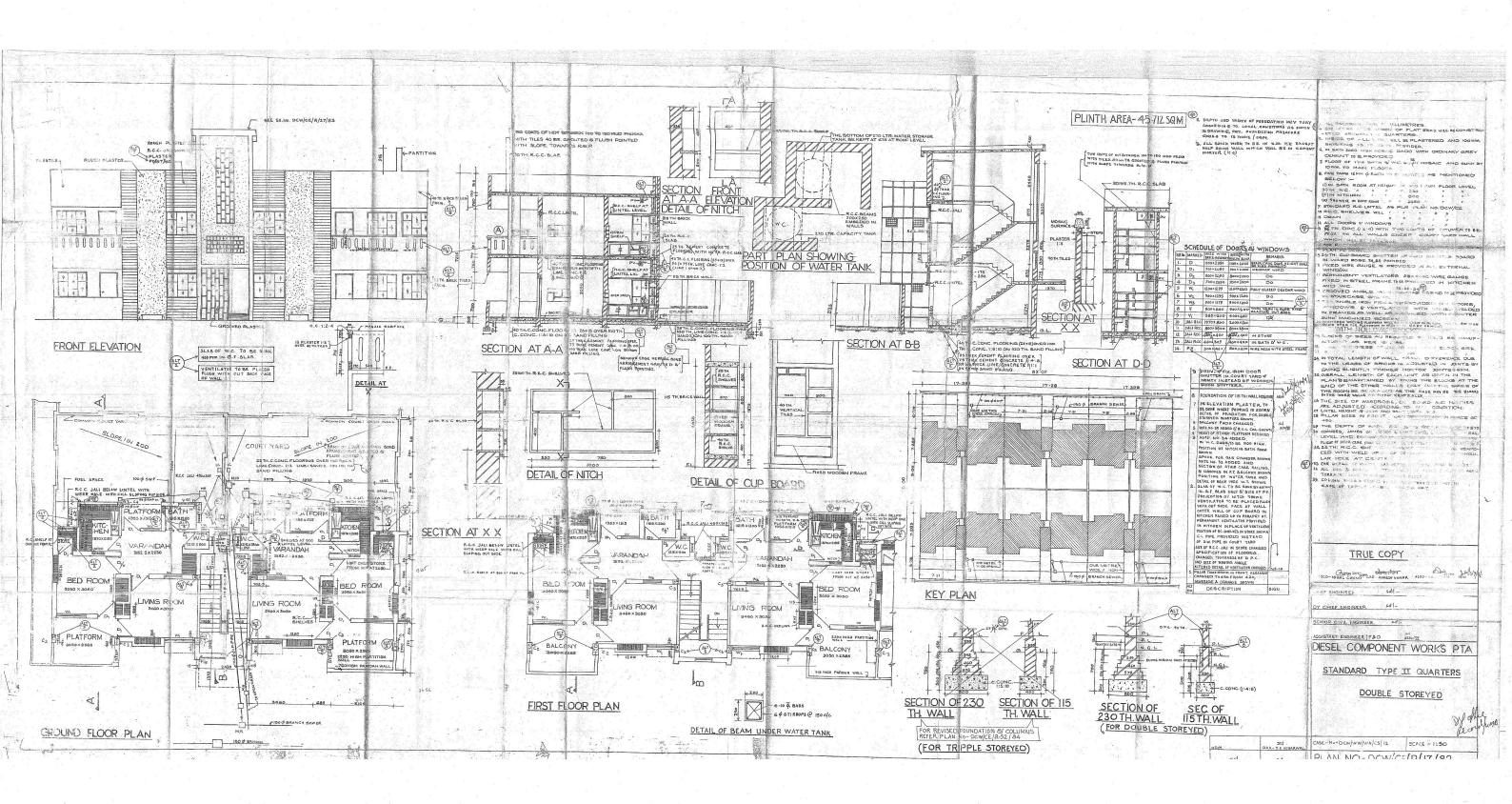
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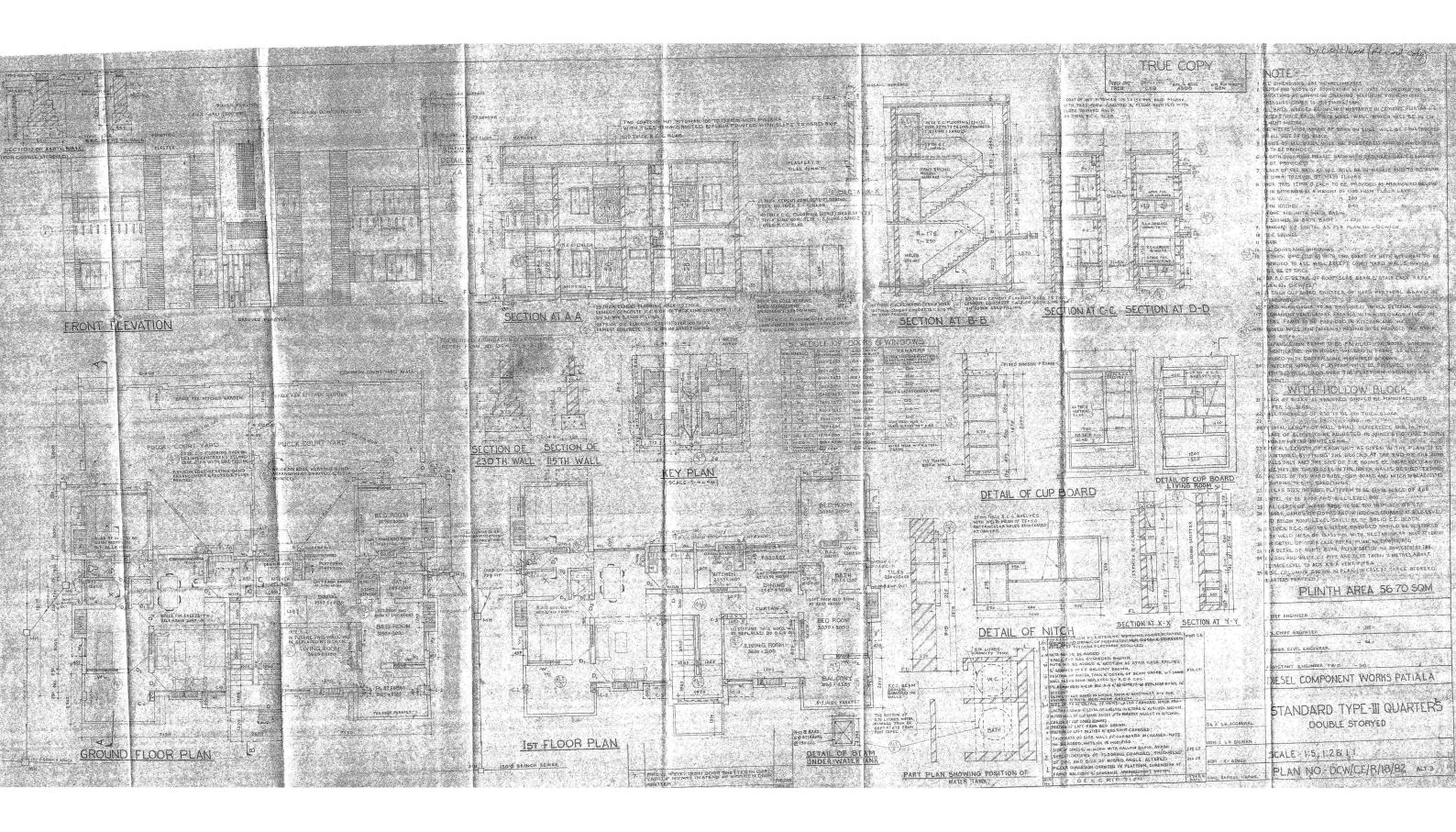
(A GOVERNMENT OF INDIA ENTERPRISE)

EASTERN CORRIDOR

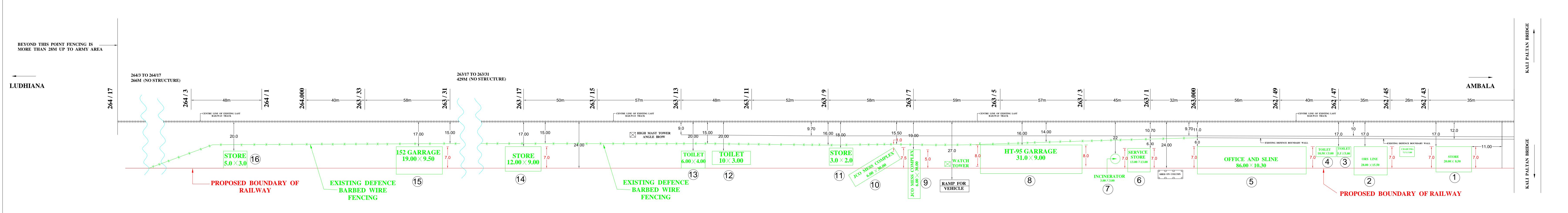
PROJECT PILKHANI TO SAHNEWAL







SITE PLAN OF DEFENCE STRUCTURES FALLING ON THE RIGHT OF WAY OF DFCC AT AMBALA CANTT BETWEEN KALI PALTAN BRIDGE & RLY. KM: 264/17 (TO BE DISMANTELED)



CD NO	DECORIDETON OF DITT DING			
SR. NO	DESCRIPTION OF BUILDING	DIMENSIONS IN METRE	AREA (Sqm)	REMARKS
1.	STORE	20.00 imes 8.50	170.00	
2.	ORS LINE	28.00 ×15.50	434.00	
3.	TOILET BLOCK	5.50 × 5.00	27.50	
4.	TOILET BLOCK	10.50 × 5.00	52.50	
5.	OFFICE AND SLINE	86.00×10.30	885.80	
6.	SERVICE STORE	13.00 × 13.00	169.00	
7.	INCINERATOR	3.00 imes 3.00	9.00	
8.	HT-95 GARRAGE	31.00 × 9.00	279.00	
9.	JCO MESS COMPLEX - I	6.00 imes 30.00	180.00	
10.	JCO MESS COMPLEX - II	6.00 imes 30.00	180.00	
11.	STORE	3.0 imes 2.0	6.00	
12.	TOILET BLOCK	10.00×3.00	30.00	
13.	TOILET BLOCK	4.00 imes 6.00	24.00	
14.	STORE	12.00 imes 9.00	108.00	
15.	152 GARRAGE	19.00 × 9.50	180.50	
16.	STORE	5.00 × 3.00	15.00	
	TOTAL COVE	RED AREA	2750.30	

STRUCTURES SHOWN IN GREEN ARE TO BE DISMANTLED AND RELOCATED

INDICATIVE DRAV

	GENERAL CONSULTANT		IIILE		DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.
SCALE	AECOM	AECOM Asia Co. Ltd.		डेडीकेटेड ,	(A GOVERNMENT OF INDIA ENTERPRISE)
NTS 9TH FLOOR, INFI		9TH FLOOR, INFINITY TOWER C DLF CYBER CITY DLF PHASE II GURGAON 122002, INDIA	BE RELOCATED	कोरीडोर	EASTERN CORRIDOR
			DFC/2015/ARMY/STR	PROJECT	PILKHANI TO SAHNEWAL

