

LIST OF FIRE ALARM DRAWINGS

S.NO.	DRAWING TITLE	SHEET	DRAWING NO.	REVISION
01	LIST OF FIRE ALARM DRAWINGS	SHEET 1 OF 1	JP-TD-FA-10CC-1001	R0
02	NOTES & LEGEND FOR FIRE ALARM SYSTEM	SHEET 1 OF 1	JP-TD-FA-10CC-1002	R0
03	SCHEMATIC DIAGRAM OF FIRE ALARM SYSTEM	SHEET 1 OF 1	JP-TD-FA-10CC-1101	R0
04	FIRE ALARM LAYOUT ANCIALLARY BUILDING UNDERGROUND & SERVICE CORRIDOR LEVEL	SHEET 1 OF 2	JP-TD-FA-10CC-1201	R0
05	FIRE ALARM LAYOUT ANCIALLARY BUILDING TERRACE LEVEL PLAN	SHEET 2 OF 2	JP-TD-FA-10CC-1202	R0
06	FIRE ALARM LAYOUT CONCOURSE LEVEL	SHEET 1 OF 4	JP-TD-FA-10CC-1301	R0
07	FIRE ALARM LAYOUT CONCOURSE LEVEL	SHEET 2 OF 4	JP-TD-FA-10CC-1302	R0
08	FIRE ALARM LAYOUT CONCOURSE LEVEL	SHEET 3 OF 4	JP-TD-FA-10CC-1303	R0
09	FIRE ALARM LAYOUT CONCOURSE LEVEL	SHEET 4 OF 4	JP-TD-FA-10CC-1304	R0
10	FIRE ALARM LAYOUT PLATFORM LEVEL	SHEET 1 OF 3	JP-TD-FA-10CC-1401	R0
11	FIRE ALARM LAYOUT PLATFORM LEVEL	SHEET 2 OF 3	JP-TD-FA-10CC-1402	R0
12	FIRE ALARM LAYOUT PLATFORM LEVEL	SHEET 3 OF 3	JP-TD-FA-10CC-1403	R0
13	FIRE ALARM LAYOUT UNDERCROFT LEVEL	SHEET 1 OF 3	JP-TD-FA-10CC-1501	R0
14	FIRE ALARM LAYOUT UNDERCROFT LEVEL	SHEET 2 OF 3	JP-TD-FA-10CC-1502	R0
15	FIRE ALARM LAYOUT UNDERCROFT LEVEL	SHEET 3 OF 3	JP-TD-FA-10CC-1503	R0
16	TYPICAL DETAIL OF FIRE ALARM EQUIPMENT	SHEET 1 OF 1	JP-TD-FA-10CC-1601	R0

THIS DRAWING IS THE PROPERTY OF DELHI METRO RAIL CORPORATION LTD.	GENERAL NOTES: 1. ALL DIMENSIONS ARE IN MILLIMETERS. 2. ALL DIMENSIONS ARE TO BE READ AND NOT MEASURED. 3. ANY DISCREPANCIES MUST BE BROUGHT TO THE NOTICE OF THE DMRC BEFORE EXECUTION OF THE WORK AT SITE. 4. THIS DRAWING MUST BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL, STRUCTURAL, PLUMBING & FIRE FIGHTING, ELECTRICAL AND TRAFFIC MANAGEMENT DRAWINGS. 5. ALL DOOR/WINDOW CILL & LINTEL LEVELS ARE MEASURED FROM MAIN FLOOR FINISHED LEVELS.										REVISIONS					APPROVAL BY DMRC					Certified that this document has been designed and checked in accordance with DDC Quality Assurance Plan.			Authorised Signatory for DDC. JP/EW/1B/DDC01 Project Manager			 DELHI METRO RAIL CORPORATION LTD. Metro Bhawan , Fire Brigade Lane, Barakhamba Road, New Delhi-110001																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
											REV	PARTICULARS	DRN.	CHD.	VER.	DATE	ISSUE DATE	REV. FOR CONSTRUCTION	DMRC APPROVAL	MGR/ARCH	DY CA (UG)-III	CA/ARCH	Architecture Design In-charge/ Coordinator	Structure Design In-charge/ Coordinator	E&M Design In-charge/ Coordinator	DETAIL DESIGN CONSULTANT (DDC) FOR CIVIL, ARCHITECTURAL & BUILDING WORKS OF TWO UNDERGROUND STATION (CHOTI CHOUPAR & BADI CHOUPAR), SHAFT AND TUNNELS OF PHASE 1B OF JAIPUR METRO  Engineering, Information, Imagination. 56, Indo-Asia House, Institutional Area, sector-44 Gurgaon - 122002 (Haryana)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
	DY CSTE/TELECOM	CSTE-I	DY CE/DESIGN	CE/TECH																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	DY CSTE/AFC		ED/S&T	CSO																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	DY CSTE/SIGNALLING	CSTE-III	GM/O	GMM																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	DY CE/PLANNING	DY CEE/E&M	DY CEE/ECS	ED/ELEC -II																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	DY CEE/(E)UG-TR	CGM(E) UG-TR	PM	CPM																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			

GENERAL NOTES

1. ALL DETAILS SHOWN ARE TO BE READ IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS. DISCREPANCIES, IF ANY, SHALL REFER TO THE EMPLOYER / EMPLOYER'S REPRESENTATIVE BEFORE PROCEEDING FURTHER.
2. THE CONTRACTOR SHALL NOT SCALE FROM THE DRAWINGS
3. ALL DIMENSIONS SHOWN HERE ARE IN MM UNLESS OTHERWISE STATED
4. THE CONTRACTOR HAS TO CO-ORDINATE WITH THE LOCAL FIRE AUTHORITIES REGARDING ANY SPECIAL REQUIREMENTS OF THE FIRE ALARM SYSTEM.
5. ALL CABLING SHALL BE FS WITH SADDLE SUPPORTS.
6. FIRE ALARM PANEL SHALL BE OF 8 LOOP.
7. RESPONSE INDICATORS SHALL BE PROVIDED OUTSIDE THE ENTRY OF ROOMS AT THE CENTRE OF THE DOOR.
7. ALL EQUIPMENTS AND INSTALLATIONS SHALL BE IN COMPLIANCE WITH BOQ, SPECIFICATIONS AND CONTRACT CONDITIONS.

NOTES FOR FIRE ALARM SYSTEM WORKS :

1. THE COMPLETE FIRE ALARM SYSTEM INSTALLATION SHALL COMPLY WITH ALL BY-LAWS, REGULATIONS & CODE OF PRACTICE OF NFPA 72 AND DELHI METRO & DELHI FIRE SERVICE.
2. ALL CABLING SHALL BE 2 X 1.5 / 2 X 2.5 SQ MM CWZ CABLES COMPLETE WITH ALL FITTINGS.
3. DETECTORS SHALL BE INSTALLED IN THE CENTRE OF ROOMS AND AWAY FROM FANS AND ELECTRICAL FITTINGS.
4. MANUAL CALL BOX SHALL BE INSTALLED AT 1.2 M HEIGHT WHILE HOOTERS CUM STROBE SHALL BE INSTALLED AT 2.2 M HEIGHT.
5. ALL DETECTORS SHALL BE PROVIDED WITH JUNCTION BOX ON WHICH THE DETECTOR BASE SHALL BE FITTED.
6. ALL VERTICAL DROPS ALL BE THROUGH SHAFTS AND S&T SHAFTS.
7. FIRE ALARM CABLE SHALL BE CWZ TYPE AND TESTED AT 950 DEGREES FOR 180 MINUTES, FIRE AND WATER TEST AT 650 DEGREE FOR 30 MINUTES AND IMPACT TEST OF 950 DEGREE FOR 15 MINUTES.
8. ALL INTERFACE FOR ECS SHUT DOWN, EXTRACTOR FAN START, ESCALATOR & EMERGENCY STOPS, PASSENGER GATE OPENING ETC FOR FIRE CONDITIONS SHALL BE BY BMS SYSTEM.

ABBREVIATION

MS	MILD STEEL
GI	GALVANISED IRON
PSD	PHOTO SMOKE DETECTOR
ROR	RATE OF RISE DETECTOR
FAP	FIRE ALARM PANEL
MCP	MANUAL CALL POINT
IS	INDIAN STANDARDS
BS	BRITISH STANDARDS
FR	FIRE RESISTING
PA	PUBLIC ADDRESS

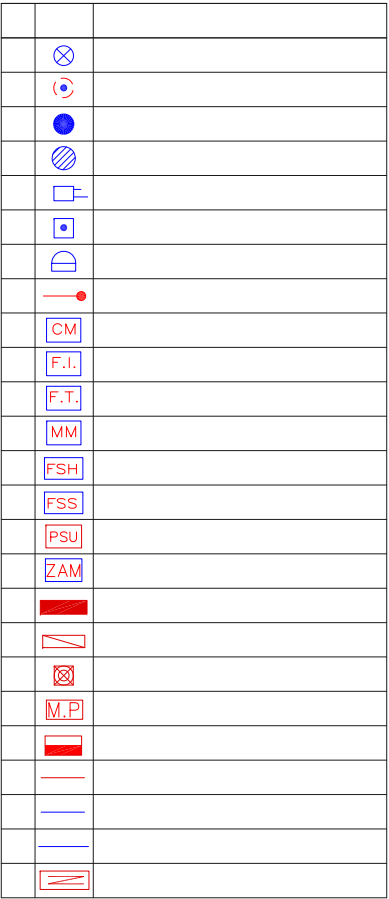
LEGEND: —

S.N.	SYMBOL	DESCRIPTION
1		MULTIPLE SENSOR DETECTOR FOR BELOW FALSE CEILING/AT SLAB
2		MULTIPLE SENSOR DETECTOR ABOVE FALSE CEILING
3		HIGH TEMPERATURE HEAT DETECTOR
4		MULTIPLE SENSOR DETECTOR FOR BELOW FALSE FLOOR
5		DUCT DETECTOR
6		MANUAL CALL POINT
7		HOOTER WITH STROBE
8		RESPONSE INDICATOR
9		CONTROL MODULE
10		FAULT ISOLATOR
11		FIRE TRACE SYSTEM
12		MONITOR MODULE
13		FLOW SWITCH FOR HYDRANT SYSTEM
14		FLOW SWITCH FOR SPRINKLER SYSTEM
15		POWER SUPPLY UNIT
16		ZONAL ADDRESS MODULE
17		MAGNETIC LOCK
18		MAGNETIC CONTACT
19		EMERGENCY DOOR RELEASE UNIT
20		MIMIC PANEL
21		REPEATER PANEL
22		CABLE FOR FIRE ALARM LAYOUT
23		CABLE FOR BELOW FALSE FLOOR
24		CABLE FOR HOOTER CUM STROBE
25		FIRE ALARM PANEL

THIS DRAWING IS THE PROPERTY OF DELHI METRO RAIL CORPORATION LTD.	GENERAL NOTES: 1. ALL DIMENSIONS ARE IN MILLIMETERS. 2. ALL DIMENSIONS ARE TO BE READ AND NOT MEASURED. 3. ANY DISCREPANCIES MUST BE BROUGHT TO THE NOTICE OF THE DMRC BEFORE EXECUTION OF THE WORK AT SITE. 4. THIS DRAWING MUST BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL, STRUCTURAL, PLUMBING & FIRE FIGHTING, ELECTRICAL AND TRAFFIC MANAGEMENT DRAWINGS. 5. ALL DOOR/WINDOW CILL & LINTEL LEVELS ARE MEASURED FROM MAIN FLOOR FINISHED LEVELS.							REVISIONS							APPROVAL BY DMRC				Certified that this document has been designed and checked in accordance with DDC Quality Assurance Plan.			Authorised Signatory for DDC. JP/EW/1B/DDC01 Project Manager			 DELHI METRO RAIL CORPORATION LTD. Metro Bhawan , Fire Brigade Lane, Barakhamba Road, New Delhi-110001				
															Architcture Design In-charge/ Coordinator		Structure Design In-charge/ Coordinator		E&M Design In-charge/ Coordinator										
															DMRC APPROVAL		MGR/ARCH		DY CA (UG)-II		CA/ARCH		DETAIL DESIGN CONSULTANT (DDC) FOR CIVIL, ARCHITECTURAL & BUILDING WORKS OF TWO UNDERGROUND STATION (CHOTI CHOUPAR & BADI CHOUPAR), SHAFT AND TUNNELS OF PHASE 1B OF JAIPUR METRO						
															DY CSTE/TELECOM		CSTE-I		DY CE/DESIGN		CE/TECH								
															DY CSTE/AFC				EDS&T		CSO								
															DY CSTE/SIGNALLING		CSTE-III		GMO		GMM								
															DY CE/PLANNING		DY CEE/E&M		DY CEE/ECS		ED/ELEC-II		 Engineering, Information, Imagination. 56, Indo-Asia House, Institutional Area, sector-44 Gurgaon - 122002 (Haryana)						
															DY CEE/(E)UG-TR		CGM(E) UG-TR		PM		CPM								
															REV		PARTICULARS		DRN		CHD		VER		DATE		ISSUE DATE		REV. FOR CONSTRUCTION

PHASE 1B JAIPUR METRO PROJECT			
STATION: CHOTI CHOUPAR			
DRAWING TITLE: NOTES & LEGEND FOR FIRE ALARM SYSTEM			
DRAWN BY: SURJEET		CHECKED BY: H.O.B	VERIFIED BY: LRS
DATE: 31-03-2015	REV: R0	GRAPHICAL SCALE: NTS	STATUS: FOR TENDER
DRAWING NUMBER: JP-T-FA-10CC-1002		SHEET NO. 1 OF 1	SHEET SIZE UNE A1
		ORDER N° P36-0017	
THIS DRAWING MUST NOT BE EITHER LOANED, COPIED OR OTHERWISE REPRODUCED IN WHOLE OR IN PART OR USED FOR ANY PURPOSE WITHOUT THE PRIOR WRITTEN PERMISSION OF DMRC.			

QTY. OF DEVICE LOOP												
LOOP NO.	MULTI CRITERIA DETECTOR	HEAT DETECTOR	DUCT DETECTOR	MANUAL CALL BOX	HOOTER	FAULT ISOLATOR	MONITOR MODULE	CONTROL MODULE	ZAM	FSH (FLOW SWITCH FOR HYDRANT)	FSS (FLOW SWITCH FOR SPRINKLER)	LOOP LENGTH
LOOP-1	71		4	4	4	4	12	4		6	2	550 M
LOOP-2	76	8		5	5	5	21	7	2			600 M
LOOP-3	30		2	1	1	2	6	1		3		360 M
LOOP-4	48			3	3	3	10	3		4	4	360 M
LOOP-5	30		2	1	1	2	6	1		3		800 M
LOOP-6	48			3	3	3	8	3		4	2	500 M
LOOP-7	21			3	3	2	8	4				150 M

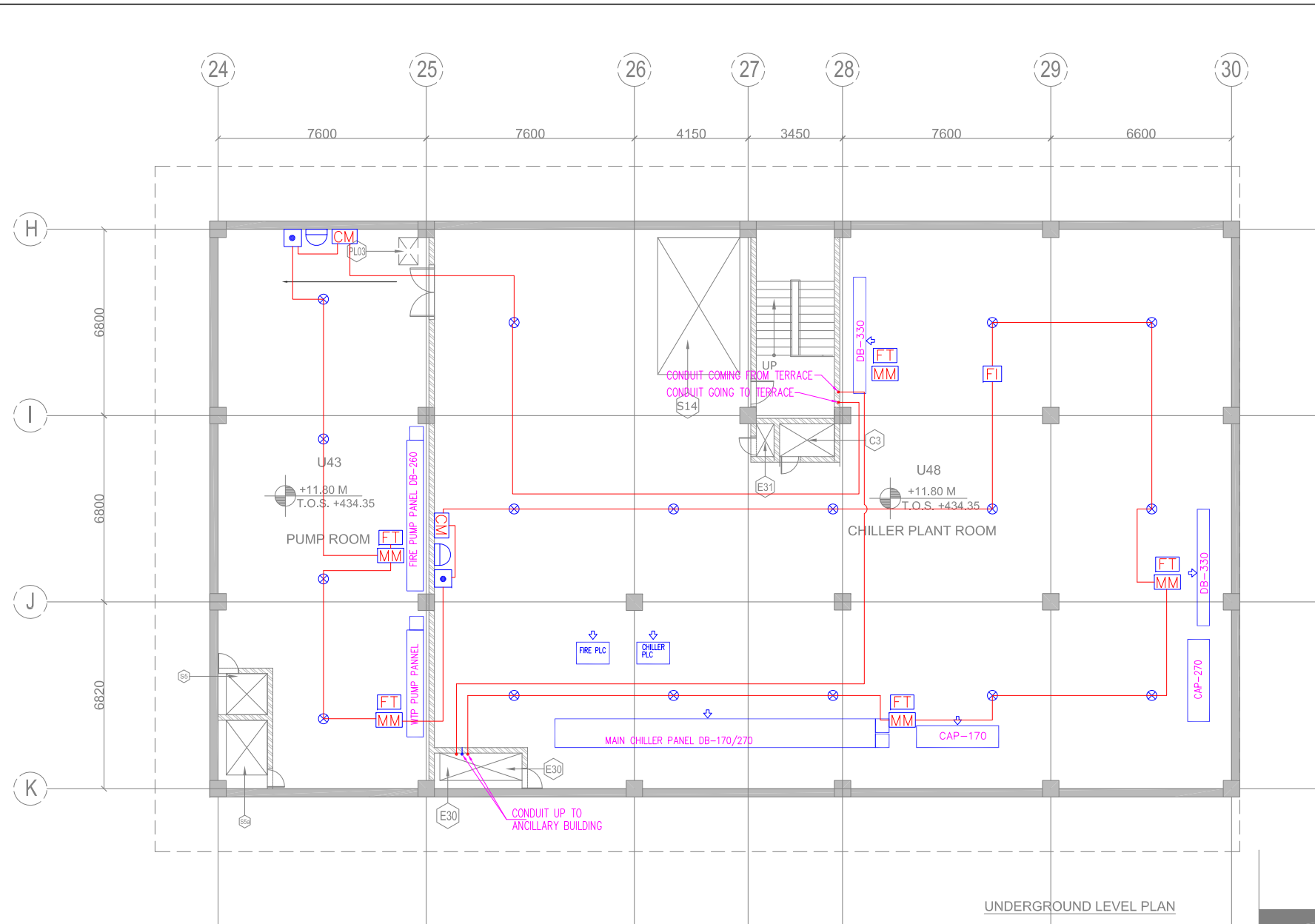


THIS DRAWING IS THE PROPERTY OF DELHI METRO RAIL CORPORATION LTD.	GENERAL NOTES: 1. ALL DIMENSIONS ARE IN MILLIMETERS. 2. ALL DIMENSIONS ARE TO BE READ AND NOT MEASURED. 3. ANY DISCREPANCIES MUST BE BROUGHT TO THE NOTICE OF THE DMRC BEFORE EXECUTION OF THE WORK AT SITE. 4. THIS DRAWING MUST BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL, STRUCTURAL, PLUMBING & FIRE FIGHTING, ELECTRICAL AND TRAFFIC MANAGEMENT DRAWINGS. 5. ALL DOOR/WINDOW CILL & LINTEL LEVELS ARE MEASURED FROM MAIN FLOOR FINISHED LEVELS.	REVISIONS							APPROVAL BY DMRC				Certified that this document has been designed and checked in accordance with DDC Quality Assurance Plan.			Authorised Signatory for DDC. JP/EW/1B/DDC01 Project Manager			 DELHI METRO RAIL CORPORATION LTD. Metro Bhawan , Fire Brigade Lane, Barakhamba Road, New Delhi-110001	
													Architecture Design In-charge/ Coordinator	Structure Design In-charge/ Coordinator	E&M Design In-charge/ Coordinator	DETAIL DESIGN CONSULTANT (DDC) FOR CIVIL, ARCHITECTURAL & BUILDING WORKS OF TWO UNDERGROUND STATION (CHOTI CHOUPAR & BADI CHOUPAR), SHAFT AND TUNNELS OF PHASE 1B OF JAIPUR METRO  Engineering, Information, Imagination. 56, Indo-Asia House, Institutional Area, sector-44 Gurgaon - 122002 (Haryana)				
									DMRC APPROVAL	MGR/ARCH	DY CA (UG)/II	CA/ARCH								
									DY CSTE/TELECOM	CSTE-I	DY CE/DESIGN	CE/TECH								
								DY CSTE/AFC	ED/S&T		CSO									
								DY CSTE/SIGNALLING	CSTE-III	GM/O	GMM									
								DY CE/PLANNING	DY CEE/E&M	DY CEE/ECS	ED/ELEC-II									
								DY CEE/(E)/UG-TR	CGM/(E)/UG-TR	PM	CPM									
								REV	PARTICULARS	DRN.	CHD.	VER.	DATE	ISSUE DATE	REV. FOR CONSTRUCTION					

REFERENCE DRAWINGS	
Drg. No.	Description

DRAWN BY : SURJEET			CHECKED BY: AG			VERIFIED BY: LRS			JP/EW/1B/DDC01 FIRE ALARM	
DATE: 31-03-2014		REV: R0		GRAPHICAL SCALE: NTS			STATUS: FOR TENDER			
DRAWING NUMBER: JP-TD-FA-10CC-1101				SHEET NO. 1 OF 1		SHEET SIZE UNE A1		ORDER N° P36-0017		

This drawing must not be either loaned, copied or otherwise reproduced in whole or in part or used for any purpose without the prior written permission of DMRC.



UNDERGROUND LEVEL				
SR. NO	ROOM SCHEDULE	ROOM NAME	DIMENSION (M) L X B	AREA (SQ.M.)
1	U 48	CHILLER PLANT ROOM	22.80 X 20.42	429.55*

*AREA AS PER PUNE

ELECTRICAL SCHEDULE				
CUT OUT NUMBER	PURPOSE	SIZE (M)	AREA(Sq.M)	CUT OUT POSITION
E30	ELECTRICAL	SHAFT 3.20X1.30	4.16	-
E31	ELECTRICAL	CUTOUT 3.00X1.00	3.00	FLOOR
E31	ELECTRICAL	SHAFT 0.65X1.60	1.04	-

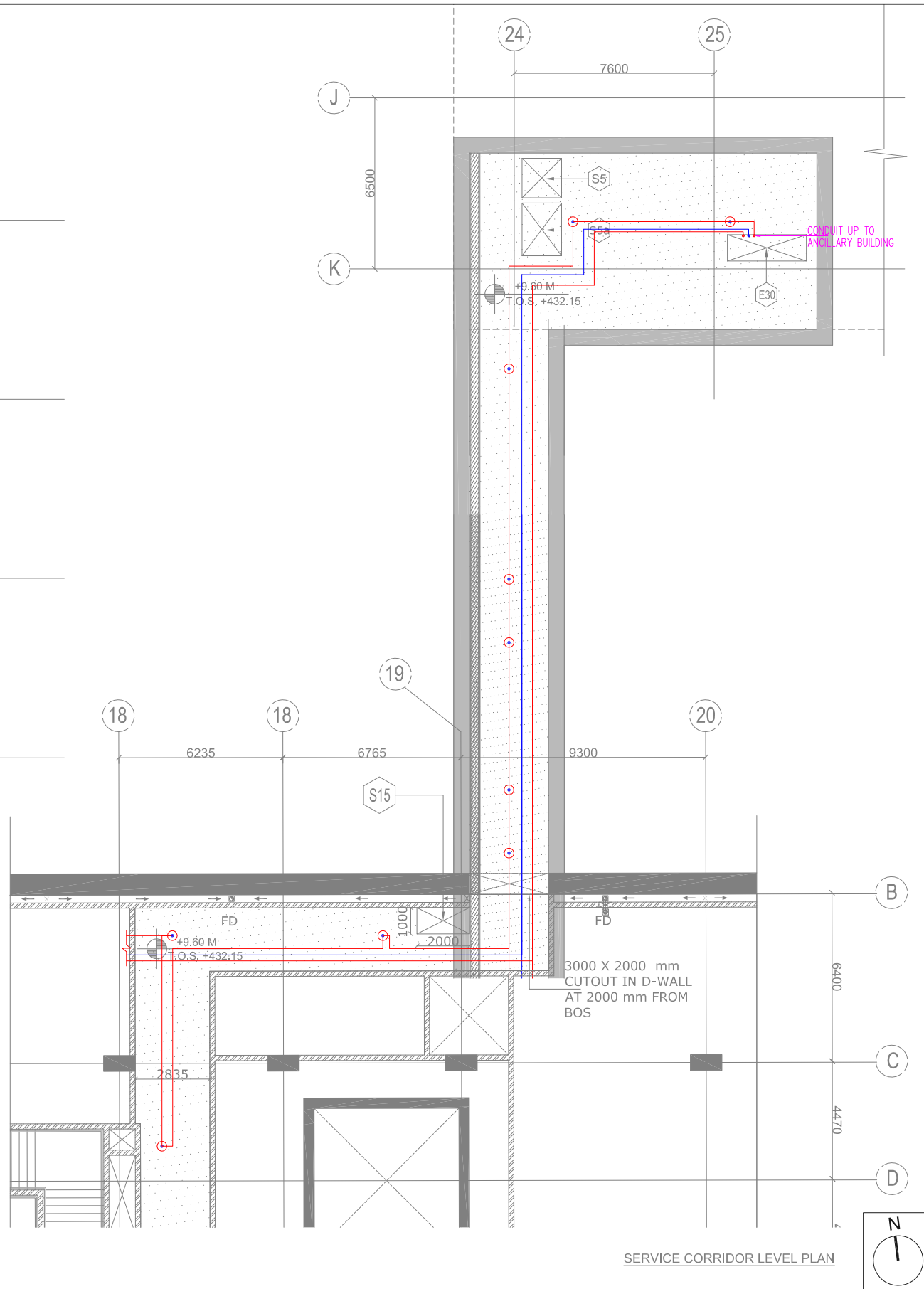
KEY PLAN



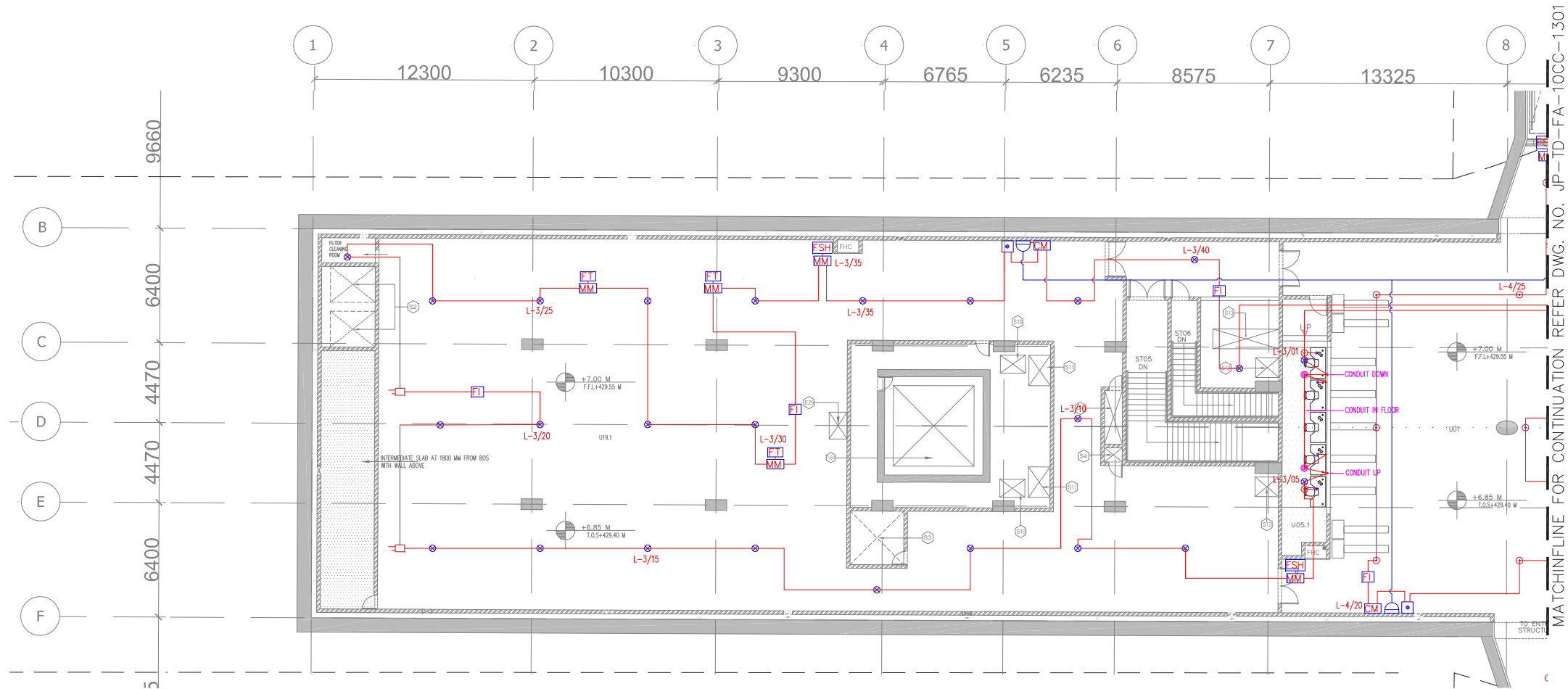
LEGEND:-

S.N.	SYMBOL	DESCRIPTION
1	⊗	MULTIPLE SENSOR DETECTOR FOR BELOW FALSE CEILING/AT SLAB
2	⊙	MULTIPLE SENSOR DETECTOR ABOVE FALSE CEILING
3	●	HIGH TEMPERATURE HEAT DETECTOR
4	⊗	MULTIPLE SENSOR DETECTOR FOR BELOW FALSE FLOOR
5	⊙	DUCT DETECTOR
6	⊕	MANUAL CALL POINT
7	⊕	HOOTER WITH STROBE
8	⊕	RESPONSE INDICATOR
9	CM	CONTROL MODULE
10	F.I.	FAULT ISOLATOR
11	F.T.	FIRE TRACE SYSTEM
12	MM	MONITOR MODULE
13	FSH	FLOW SWITCH FOR HYDRANT SYSTEM
14	FSS	FLOW SWITCH FOR SPRINKLER SYSTEM

15	PSU	POWER SUPPLY UNIT
16	ZAM	ZONAL ADDRESS MODULE
17	⊗	MAGNETIC LOCK
18	⊗	MAGNETIC CONTACT
19	⊗	EMERGENCY DOOR RELEASE UNIT
20	M.P.	MMIC PANEL
21	⊗	REPEATER PANEL
22	—	CABLE FOR FIRE ALARM LAYOUT
23	---	CABLE FOR BELOW FALSE FLOOR
24	---	CABLE FOR HOOTER CUM STROBE
25	⊗	FIRE ALARM PANEL



THIS DRAWING IS THE PROPERTY OF DELHI METRO RAIL CORPORATION LTD.	GENERAL NOTES: 1. ALL DIMENSIONS ARE IN MILLIMETERS. 2. ALL DIMENSIONS ARE TO BE READ AND NOT MEASURED. 3. ANY DISCREPANCIES MUST BE BROUGHT TO THE NOTICE OF THE DMRC BEFORE EXECUTION OF THE WORK AT SITE. 4. THIS DRAWING MUST BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL, STRUCTURAL, PLUMBING & FIRE FIGHTING, ELECTRICAL AND TRAFFIC MANAGEMENT DRAWINGS. 5. ALL DOOR/WINDOW CILL & LINTEL LEVELS ARE MEASURED FROM MAIN FLOOR FINISHED LEVELS.		REVISIONS					APPROVAL BY DMRC				Certified that this document has been designed and checked in accordance with DDC Quality Assurance Plan.			Authorised Signatory for DDC. JP/EW/1B/DDC01 Project Manager			 DELHI METRO RAIL CORPORATION LTD. Metro Bhawan , Fire Brigade Lane, Barakhamba Road, New Delhi-110001										
												Architecture Design In-charge/ Coordinator			Structure Design In-charge/ Coordinator			E&M Design In-charge/ Coordinator			PHASE 1B JAIPUR METRO PROJECT							
												DETAIL DESIGN CONSULTANT (DDC) FOR CIVIL, ARCHITECTURAL & BUILDING WORKS OF TWO UNDERGROUND STATION (CHOTI CHOUPAR & BADI CHOUPAR), SHAFT AND TUNNELS OF PHASE 1B OF JAIPUR METRO						STATION: CHOTI CHOUPAR										
	REFERENCE DRAWINGS																	DRAWING TITLE: FIRE ALARMLAYOUT ANCILLARY BUILDING UNDERGROUND & SERVICE CORRIDOR LEVEL										
	Drg. No.		Description															DRAWN BY: SURJEET		CHECKED BY: HOB		VERIFIED BY: L.R.S		JP/EW/1B/DDC01 FIRE ALARM				
																		DATE: 25-11-2014		REV: R0		GRAPHICAL SCALE: 1:100			STATUS: FOR TENDER			
																		DRAWING NUMBER: JP-TD-FA-10CC-1201			SHEET NO. 1 OF 2		SHEET SIZE UNE A1		ORDER N° P36-0017			
																									This drawing must not be either loaned, copied or otherwise reproduced in whole or in part or used for any purpose without the prior written permission of DMRC.			

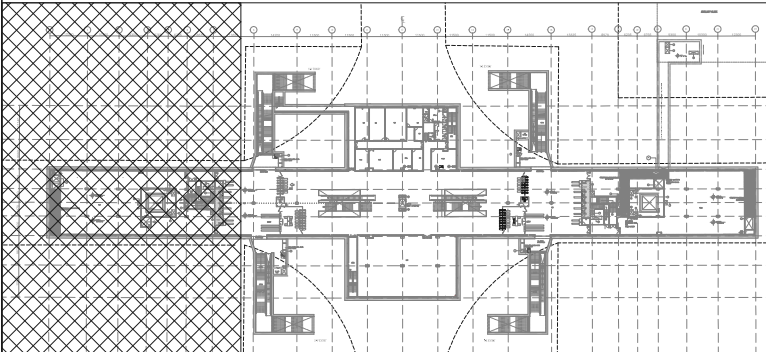


MATCHLINE FOR CONTINUATION REFER DWG. NO. JP-TD-FA-10CC-1301

LEGEND: -

S.N.	SYMBOL	DESCRIPTION
1		MULTIPLE SENSOR DETECTOR FOR BELOW FALSE CEILING/AT SLAB
2		MULTIPLE SENSOR DETECTOR ABOVE FALSE CEILING
3		HIGH TEMPERATURE HEAT DETECTOR
4		MULTIPLE SENSOR DETECTOR FOR BELOW FALSE FLOOR
5		DUCT DETECTOR
6		MANUAL CALL POINT
7		HOOTER WITH STROBE
8		RESPONSE INDICATOR
9		CONTROL MODULE
10		FAULT ISOLATOR
11		FIRE TRACE SYSTEM
12		MONITOR MODULE
13		FLOW SWITCH FOR HYDRANT SYSTEM
14		FLOW SWITCH FOR SPRINKLER SYSTEM
15		POWER SUPPLY UNIT
16		ZONAL ADDRESS MODULE
17		MAGNETIC LOCK
18		MAGNETIC CONTACT
19		EMERGENCY DOOR RELEASE UNIT
20		MMIC PANEL
21		REPEATER PANEL
22		CABLE FOR FIRE ALARM LAYOUT
23		CABLE FOR BELOW FALSE FLOOR
24		CABLE FOR HOOTER CUM STROBE
25		FIRE ALARM PANEL

KEY PLAN



S.NO.	ROOM SCHEDULE	ROOM NAME	DIMENSION (ML) (LxW)	AREA (Sq.m)
1	U01	UNPAID AREA		1035.90*
2	U02	PAID AREA		1497.75*
3	U03	STATION CONTROL ROOM (SCR)	7.700 x 7.050	54.28
4	U04	STATION MANAGER ROOM (SMR)	4.300 x 7.035	30.37*
5	U05.1	TICKET OFFICE (TOM)	2.500 x 14.34	34.80*
6	U05.2	TICKET OFFICE (TOM)	2.500 x 14.34	34.80*
7	U07.1	EXCESS FARE OFFICE (EFO)	2.500 x 3.000	7.50
8	U07.2	EXCESS FARE OFFICE (EFO)	2.500 x 3.000	7.50
9	U09	SECURITY ROOM 1	1.700x2.000	3.40
10	U10	STATION STORE ROOM	7.100 x 5.260	37.35
11	U12	CLEANER'S ROOM	1.700 x 2.000	3.40
12	U14	STAFF TOILET	1.700 x 2.475	4.21
13	U15.1	PUBLIC TOILETS (Male)	5.850 x 4.675	27.32
14	U15.2	PUBLIC TOILETS (Female)	4.100 x 5.550	23.50*
15	U16	MESS ROOM	5.280 x 6.100	32.21
16	U18.1	DB ROOM	8.100 x 7.085	53.74*
17	U18.2	DB ROOM	6.000 x 7.065	41.24*
18	U19.1	ECS PLANT ROOM (ECS)	50.350 x 20.740	803.65*
19	U19.2	ECS PLANT ROOM (ECS)	53.300 x 20.740	804.65*
20	U22	SIGNALING EQUIPMENT ROOM (SER)	6.820 x 10.715	72.60*
21	U23	TELECOM EQUIPMENT ROOM (TER)	5.000 x 10.715	53.58
22	U24	UPS ROOM for S&T	4.400 x 10.715	46.72*
23	U46	HANDICAP TOILET	1.750 x 2.250	3.94
24	U47	PD AREA	32.25 x 20.00	637.26*

* AS PER POLY LINE

OUT OUT NUMBER	PURPOSE	SIZE (M)	AREA(Sq.M)	OUTOUT POSITION
ES10	ELECTRICAL SHAFT & CUTOFF - 2NOS	1.00X3.00	3.00	FLOOR
E24	BATTERY RACK - 4NOS.	0.20X0.20	0.04	FLOOR
E25	2NOS. CUTOFF FOR BMS/ECS	0.30X0.30	0.09	FLOOR
E26	ELECTRICAL CUTOFF	1.00X0.50	0.50	FLOOR
E29	TVS ELECTRICAL CUTOFF	1.00X1.50	1.50	FLOOR
S6	S & T SHAFT & CUTOFF	1.90X0.63	1.20	FLOOR

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

REFERENCE DRAWINGS

Dwg. No. Description

REVISIONS

APPROVAL BY DMRC

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

Authorised Signatory for DDC.
JP/EW/1B/DDC01 Project Manager

Architecture
Design In-charge/ Coordinator

Structure
Design In-charge/ Coordinator

E&M
Design In-charge/ Coordinator

DETAIL DESIGN CONSULTANT (DDC) FOR CIVIL, ARCHITECTURAL & BUILDING WORKS OF TWO UNDERGROUND STATION (CHOTI CHOUPAR & BADI CHOUPAR), SHAFT AND TUNNELS OF PHASE 1B OF JAIPUR METRO



56, Indo-Asia House, Institutional Area, sector-44
Gurgaon - 122002 (Haryana)



DELHI METRO RAIL CORPORATION LTD.
Metro Bhawan , Fire Brigade Lane, Barakhamba Road, New Delhi-110001

PHASE 1B JAIPUR METRO PROJECT

STATION: CHOTI CHOUPAR

DRAWING TITLE: FIRE ALARM LAYOUT CONCOURSE LEVEL

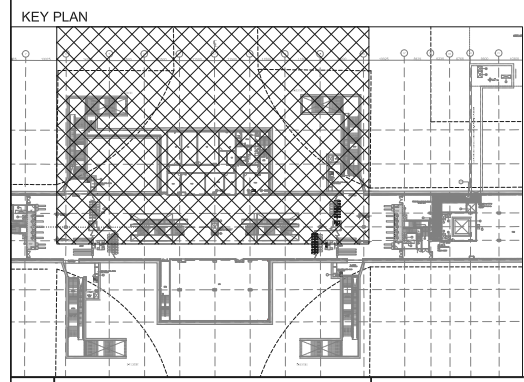
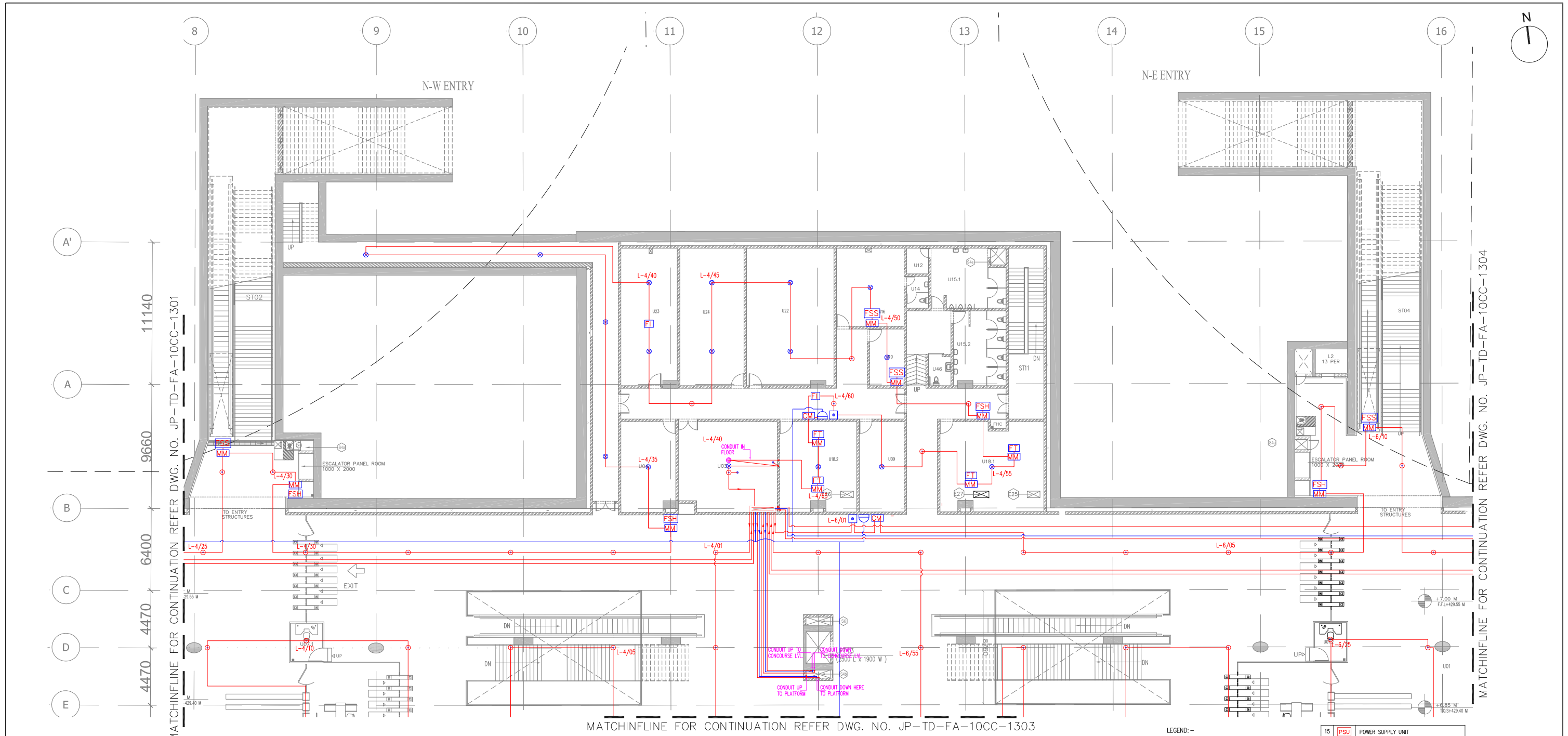
DRAWN BY: SURJEET CHECKED BY: H.O.B VERIFIED BY: LRS

DATE: 31-03-2015 REV: R0 GRAPHICAL SCALE: 1:150 STATUS: FOR TENDER

DRAWING NUMBER: JP-TD-FA-10CC-1301 SHEET NO. 1 OF 4 SHEET SIZE UNE A1 ORDER N° P36-0017

This drawing must not be either loaned, copied or otherwise reproduced in whole or in part or used for any purpose without the prior written permission of DMRC.

JP/EW/1B/DDC01
FIRE ALARM



S.NO.	ROOM SCHEDULE	ROOM NAME	DIMENSION (ML) (LxW)	AREA (Sq.m.)
1	U01	UNPAID AREA		1035.90*
2	U02	PAID AREA		1497.75*
3	U03	STATION CONTROL ROOM (SCR)	7.700 x 7.050	54.29
4	U04	STATION MANAGER ROOM (SMR)	4.300 x 7.035	29.37*
5	U05.1	TICKET OFFICE (TOM)	2.500 x 14.34	34.80*
6	U05.2	TICKET OFFICE (TOM)	2.500 x 14.34	34.80*
7	U07.1	EXCESS FARE OFFICE (EFO)	2.500 x 3.000	7.50
8	U07.2	EXCESS FARE OFFICE (EFO)	2.500 x 3.000	7.50
9	U09	SECURITY ROOM 1	1.700x2.000	3.40
10	U10	STATION STORE ROOM	7.100 x 5.260	37.35
11	U12	CLEANER'S ROOM	1.700 x 2.000	3.40
12	U14	STAFF TOILET	1.700 x 2.475	4.21
13	U15.1	PUBLIC TOILETS (Male)	5.850 x 4.675	27.32
14	U15.2	PUBLIC TOILETS (Female)	4.100 x 5.550	22.50*
15	U16	MESS ROOM	5.280 x 6.100	32.21
16	U18.1	DB ROOM	8.100 x 7.085	53.74*
17	U18.2	DB ROOM	6.000 x 7.065	41.24*
18	U19.1	ECS PLANT ROOM (ECS)	50.350 x 20.740	803.05*
19	U19.2	ECS PLANT ROOM (ECS)	53.300 x 20.740	804.05*
20	U22	SIGNALLING EQUIPMENT ROOM (SER)	6.820 x 10.715	72.60*

21	U23	TELECOM EQUIPMENT ROOM (TER)	5.000 x 10.715	53.58
22	U24	UPS ROOM for S&T	4.400 x 10.715	46.72*
23	U46	HANDICAP TOILET	1.750 x 2.250	3.94
24	U47	PD AREA	32.25 x 20.00	637.26*

OUT NUMBER	PURPOSE	SIZE (M)	AREA(Sq.m)	OUTOUT POSITION
E210	ELECTRICAL SHAFT & OUTOUT- 2NOS	1.00X3.00	3.00	FLOOR
E24	BATTERY RACK - 4NOS.	0.20X0.20	0.04	FLOOR
E25	2NOS. OUTOUT FOR BMS/ECS	0.30X0.30	0.09	FLOOR
E26	ELECTRICAL OUTOUT	1.00X0.50	0.50	FLOOR
E29	TYS ELECTRICAL OUT OUT	1.00X1.50	1.50	FLOOR
SE	S & T SHAFT & OUT OUT	1.90X0.63	1.20	FLOOR

S.N.	SYMBOL	DESCRIPTION
1	⊗	MULTIPLE SENSOR DETECTOR FOR BELOW FALSE CEILING/AT SLAB
2	⊙	MULTIPLE SENSOR DETECTOR ABOVE FALSE CEILING
3	⊕	HIGH TEMPERATURE HEAT DETECTOR
4	⊗	MULTIPLE SENSOR DETECTOR FOR BELOW FALSE FLOOR
5	⊕	DUCT DETECTOR
6	⊕	MANUAL CALL POINT
7	⊕	HOOTER WITH STROBE
8	⊕	RESPONSE INDICATOR
9	⊕	CONTROL MODULE
10	⊕	FAULT ISOLATOR
11	⊕	FIRE TRACE SYSTEM
12	⊕	MONITOR MODULE
13	⊕	FLOW SWITCH FOR HYDRANT SYSTEM
14	⊕	FLOW SWITCH FOR SPRINKLER SYSTEM
15	⊕	POWER SUPPLY UNIT
16	⊕	ZONAL ADDRESS MODULE
17	⊕	MAGNETIC LOCK
18	⊕	MAGNETIC CONTACT
19	⊕	EMERGENCY DOOR RELEASE UNIT
20	⊕	MIMIC PANEL
21	⊕	REPEATER PANEL
22	⊕	CABLE FOR FIRE ALARM LAYOUT
23	⊕	CABLE FOR BELOW FALSE FLOOR
24	⊕	CABLE FOR HOOTER CUM STROBE
25	⊕	FIRE ALARM PANEL

GENERAL NOTES:	
1.	ALL DIMENSIONS ARE IN MILLIMETERS.
2.	ALL DIMENSIONS ARE TO BE READ AND NOT MEASURED.
3.	ANY DISCREPANCIES MUST BE BROUGHT TO THE NOTICE OF THE DMRC BEFORE EXECUTION OF THE WORK AT SITE.
4.	THIS DRAWING MUST BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL, STRUCTURAL, PLUMBING & FIRE FIGHTING, ELECTRICAL AND TRAFFIC MANAGEMENT DRAWINGS.
5.	ALL DOOR/WINDOW CILL & LINTEL LEVELS ARE MEASURED FROM MAIN FLOOR FINISHED LEVELS.
REFERENCE DRAWINGS	
Dwg. No.	Description

REVISIONS						
REV	PARTICULARS	DRN.	CHD.	VER.	DATE	ISSUE DATE

APPROVAL BY DMRC			
DMRC APPROVAL	MGR/ARCH	DY CA (UG)-III	CA/ARCH
DY CSTE/TELECOM	CSTE-I	DY CE/DESIGN	CE/TECH
DY CSTE/AFC		ED/S&T	CSO
DY CSTE/SIGNALLING	CSTE-III	GM/O	GMM
DY CE/PLANNING	DY CEE/E&M	DY CEE/ECS	ED/ELEC-II
DY CEE(E)UG-TR	CGM(E) UG-TR	PM	CPM

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

Architecture Design In-charge/ Coordinator

Structure Design In-charge/ Coordinator

E&M Design In-charge/ Coordinator

Authorised Signatory for DDC.
JP/EW/1B/DDC01 Project Manager

DETAIL DESIGN CONSULTANT (DDC) FOR CIVIL, ARCHITECTURAL & BUILDING WORKS OF TWO UNDERGROUND STATION (CHOTI CHOUPAR & BADI CHOUPAR), SHAFT AND TUNNELS OF PHASE 1B OF JAIPUR METRO

ayesa Engineering, Information, Imagination.

56, Indo-Asia House, Institutional Area, sector-44 Gurgaon - 122002 (Haryana)

DELHI METRO RAIL CORPORATION LTD.
Metro Bhawan , Fire Brigade Lane, Barakhamba Road, New Delhi-110001

PHASE 1B JAIPUR METRO PROJECT

STATION: CHOTI CHOUPAR

DRAWING TITLE: FIRE ALARM LAYOUT CONCOURSE LEVEL

DRAWN BY: SURJEET

CHECKED BY: H.O.B

VERIFIED BY: LRS

DATE: 31-03-2015

REV: R0

GRAPHICAL SCALE: 1:150

STATUS: FOR TENDER

DRAWING NUMBER: JP-TD-FA-10CC-1302

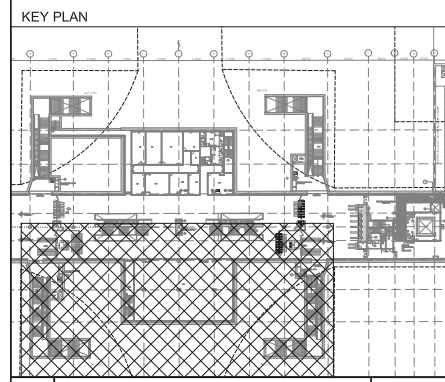
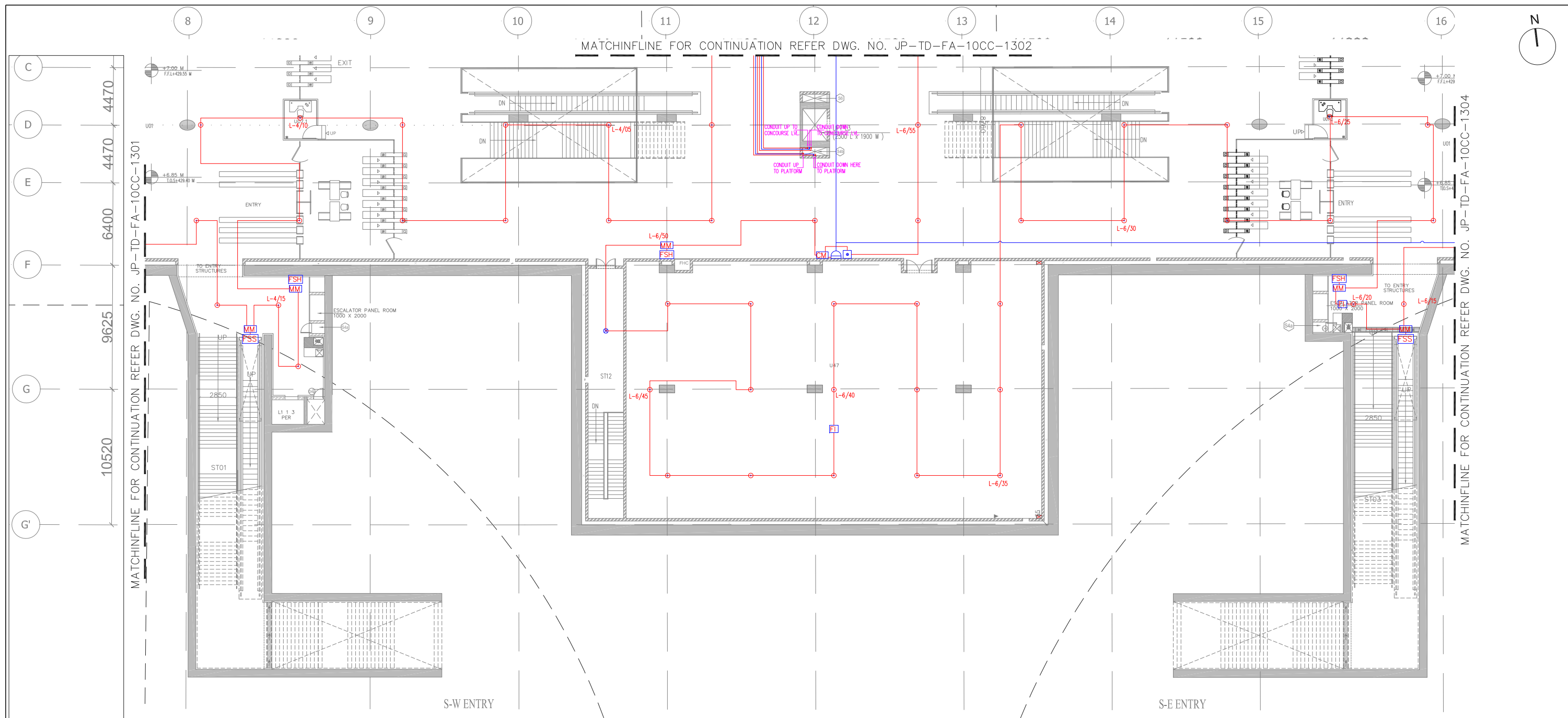
SHEET NO. 2 OF 4

SHEET SIZE UNE A1

ORDER N° P36-0017

JP/EW/1B/DDC01

FIRE ALARM



ROOM SCHEDULE				
S.NO.	ROOM SCHEDULE	ROOM NAME	DIMENSION (ML) (L x W)	AREA (Sq.m)
1	U01	UNPAID AREA		1035.90*
2	U02	PAID AREA		1497.75*
3	U03	STATION CONTROL ROOM (SCR)	7.700 x 7.050	54.29
4	U04	STATION MANAGER ROOM (SMR)	4.300 x 7.035	29.37*
5	U05.1	TICKET OFFICE (TOM)	2.500 x 14.34	34.80*
6	U05.2	TICKET OFFICE (TOM)	2.500 x 14.34	34.80*
7	U07.1	EXCESS FARE OFFICE (EFO)	2.500 x 3.000	7.50
8	U07.2	EXCESS FARE OFFICE (EFO)	2.500 x 3.000	7.50
9	U09	SECURITY ROOM	1.700x2.000	3.40
10	U10	STATION STORE ROOM	7.100 x 5.260	37.35
11	U12	CLEANER'S ROOM	1.700 x 2.000	3.40
12	U14	STAFF TOILET	1.700 x 2.475	4.21
13	U15.1	PUBLIC TOILETS (Male)	5.850 x 4.675	27.32
14	U15.2	PUBLIC TOILETS (Female)	4.700 x 5.550	23.50*
15	U16	MESS ROOM	5.280 x 6.100	32.21
16	U18.1	DB ROOM	8.100 x 7.085	53.74*
17	U18.2	DB ROOM	6.000 x 7.065	41.24*
18	U19.1	ECS PLANT ROOM (ECS)	50.350 x 20.740	803.05*
19	U19.2	ECS PLANT ROOM (ECS)	53.300 x 20.740	804.05*
20	U22	SIGNALLING EQUIPMENT ROOM (SER)	6.820 x 10.715	72.60*

21	U23	TELECOM EQUIPMENT ROOM (TER)	5.000 x 10.715	53.58
22	U24	UPS ROOM for S&T	4.400 x 10.715	46.72*
23	U46	HANDICAP TOILET	1.750 x 2.250	3.94
24	U47	PD AREA	32.25 x 20.00	637.26*

* AS PER POLY LINE

ELECTRICAL & S&T SCHEDULE				
CUT OUT NUMBER	PURPOSE	SIZE (M)	AREA(Sq.M)	CUTOUT POSITION
EST0	ELECTRICAL SHAFT & CUTOFF- 2NOS	1.00X3.00	3.00	FLOOR
E24	BATTERY RACK - 4NOS.	0.20X0.20	0.04	FLOOR
E25	2NOS. CUTOFF FOR BMS/ECS	0.30X0.30	0.09	FLOOR
E26	ELECTRICAL CUTOFF	1.00X0.50	0.50	FLOOR
E29	TVS ELECTRICAL CUTOFF	1.00X1.50	1.50	FLOOR
S6	S & T SHAFT & CUTOFF	1.90X0.63	1.20	FLOOR

LEGEND: -

S.N.	SYMBOL	DESCRIPTION
1	⊗	MULTIPLE SENSOR DETECTOR FOR BELOW FALSE CEILING/AT SLAB
2	⊙	MULTIPLE SENSOR DETECTOR ABOVE FALSE CEILING
3	●	HIGH TEMPERATURE HEAT DETECTOR
4	⊗	MULTIPLE SENSOR DETECTOR FOR BELOW FALSE FLOOR
5	□	DUCT DETECTOR
6	□	MANUAL CALL POINT
7	□	HOOTER WITH STROBE
8	●	RESPONSE INDICATOR
9	CM	CONTROL MODULE
10	F.I.	FAULT ISOLATOR
11	F.T.	FIRE TRACE SYSTEM
12	MM	MONITOR MODULE
13	FSH	FLOW SWITCH FOR HYDRANT SYSTEM
14	FSS	FLOW SWITCH FOR SPRINKLER SYSTEM

15	PSU	POWER SUPPLY UNIT
16	ZAM	ZONAL ADDRESS MODULE
17	ML	MAGNETIC LOCK
18	MC	MAGNETIC CONTACT
19	EDR	EMERGENCY DOOR RELEASE UNIT
20	MP	MIMIC PANEL
21	RP	REPEATER PANEL
22	—	CABLE FOR FIRE ALARM LAYOUT
23	—	CABLE FOR BELOW FALSE FLOOR
24	—	CABLE FOR HOOTER CUM STROBE
25	—	FIRE ALARM PANEL

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

REFERENCE DRAWINGS

Dwg. No.	Description

REVISIONS						
REV	PARTICULARS	DRN.	CHD.	VER.	DATE	ISSUE DATE

APPROVAL BY DMRC			
DMRC APPROVAL	MGR/ARCH	DY CA (UG)-III	CA/ARCH
DY CSTE/TELECOM	CSTE-I	DY CE/DESIGN	CE/TECH
DY CSTE/AFC		ED/S&T	CSO
DY CSTE/SIGNALLING	CSTE-II	GM/O	GMM
DY CE/PLANNING	DY CEE/E&M	DY CEE/ECS	ED/ELEC-II
DY CEE(E)UG-TR	CGM(E) UG-TR	PM	CPM

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

Authorised Signatory for DDC.
JP/EW/1B/DDC01 Project Manager

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

DETAIL DESIGN CONSULTANT (DDC) FOR CIVIL, ARCHITECTURAL & BUILDING WORKS OF TWO UNDERGROUND STATION (CHOTI CHOUPAR & BADI CHOUPAR), SHAFT AND TUNNELS OF PHASE 1B OF JAIPUR METRO

ayesa Engineering, Information, Imagination.
56, Indo-Asia House, Institutional Area, sector-44 Gurgaon - 122002 (Haryana)

DELHI METRO RAIL CORPORATION LTD.
Metro Bhawan , Fire Brigade Lane, Barakhamba Road, New Delhi-110001

PHASE 1B JAIPUR METRO PROJECT

STATION: CHOTI CHOUPAR

DRAWING TITLE: FIRE ALARM LAYOUT CONCOURSE LEVEL

DRAWN BY: SURJEET	CHECKED BY: H.O.B	VERIFIED BY: LRS
DATE: 31-03-2015	REV: R0	GRAPHICAL SCALE: 1:150
DRAWING NUMBER: JP-TD-FA-10CC-1303	SHEET NO. 3 OF 4	SHEET SIZE UNE A1

STATUS: FOR TENDER

ORDER N° P36-0017

THIS DRAWING MUST NOT BE EITHER LOANED, COPIED OR OTHERWISE REPRODUCED IN WHOLE OR IN PART OR USED FOR ANY PURPOSE WITHOUT THE PRIOR WRITTEN PERMISSION OF DMRC.

ELECTRICAL & S&T SCHEDULE				
CUT OUT NUMBER	PURPOSE	SIZE (M)	AREA(Sq.M)	CUTOUT POSITION
ES10	ELECTRICAL SHAFT & CUTOUT- 2NOS	1.00X3.00	3.00	FLOOR
E24	BATTERY RACK - 4NOS.	0.20X2.00	0.04	FLOOR
E25	2NOS. CUTOUT FOR SMS/ECS	0.30X0.30	0.09	FLOOR
E26	ELECTRICAL CUTOUT	1.00X0.50	0.50	FLOOR
E28	TVS ELECTRICAL CUT OUT	1.00X1.50	1.50	FLOOR
S6	S & T SHAFT & CUT OUT	1.90X0.63	1.20	FLOOR

S.N.	SYMBOL	DESCRIPTION
1		MULTIPLE SENSOR DETECTOR FOR BELOW FALSE CEILING/AT SLAB
2		MULTIPLE SENSOR DETECTOR ABOVE FALSE CEILING
3		HIGH TEMPERATURE HEAT DETECTOR
4		MULTIPLE SENSOR DETECTOR FOR BELOW FALSE FLOOR
5		DUCT DETECTOR
6		MANUAL CALL POINT
7		HOOTER WITH STROBE
8		RESPONSE INDICATOR
9		CONTROL MODULE
10		FAULT ISOLATOR
11		FIRE TRACE SYSTEM
12		MONITOR MODULE
13		FLOW SWITCH FOR HYDRANT SYSTEM
14		FLOW SWITCH FOR SPRINKLER SYSTEM
15		POWER SUPPLY UNIT
16		ZONAL ADDRESS MODULE
17		MAGNETIC LOCK
18		MAGNETIC CONTACT
19		EMERGENCY DOOR RELEASE UNIT
20		MMC PANEL
21		REPEATER PANEL
22		CABLE FOR FIRE ALARM LAYOUT
23		CABLE FOR BELOW FALSE FLOOR
24		CABLE FOR HOOTER CUM STROBE
25		FIRE ALARM PANEL

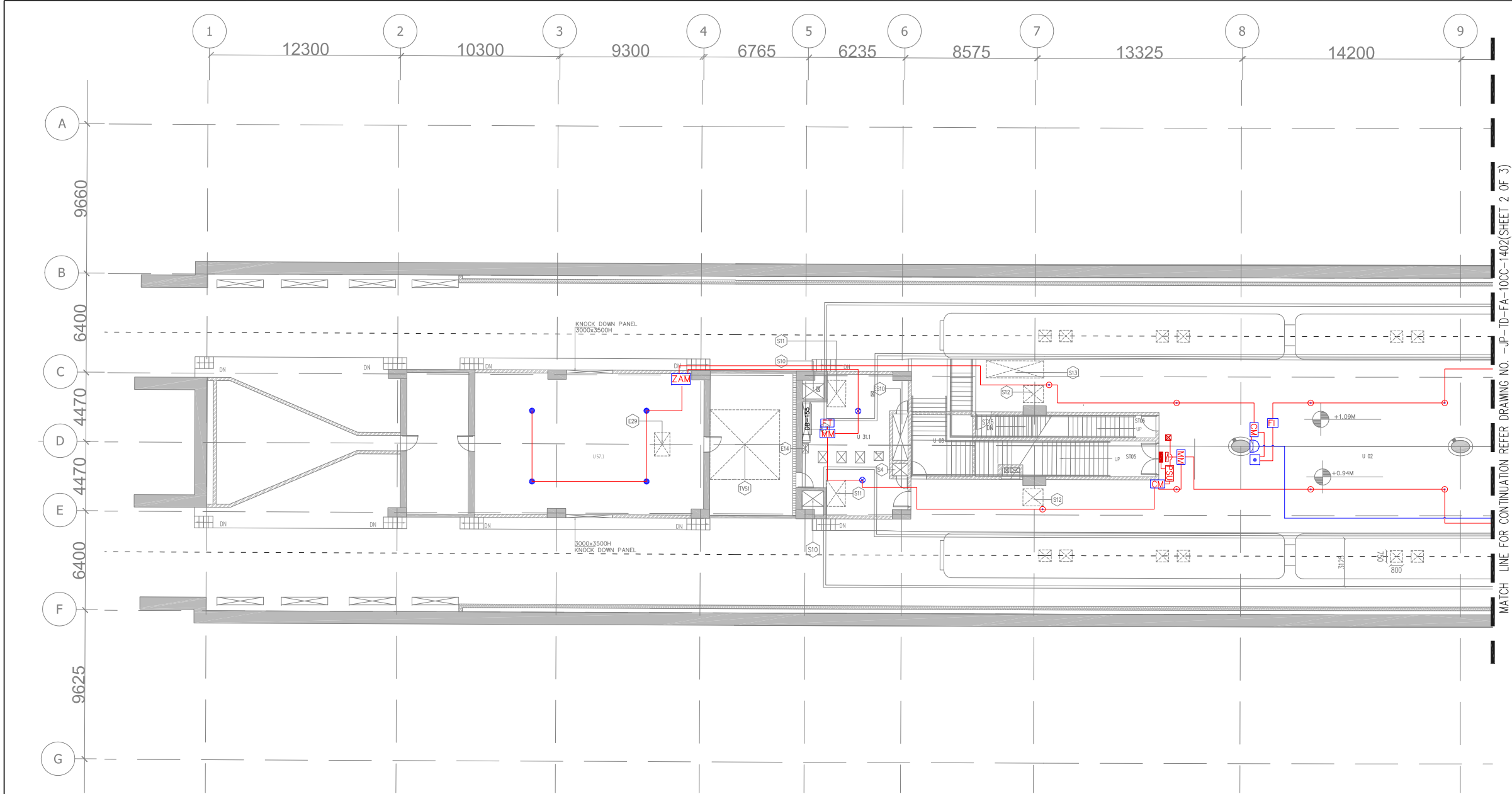
Authorised Signatory for DDC.
JP/EW/1B/DDC01 Project Manager

ayesa  Engineering.
Information.
Imagination.

Indo-Asia House, Institutional Area, sector
Gurgaon - 122002 (Haryana)

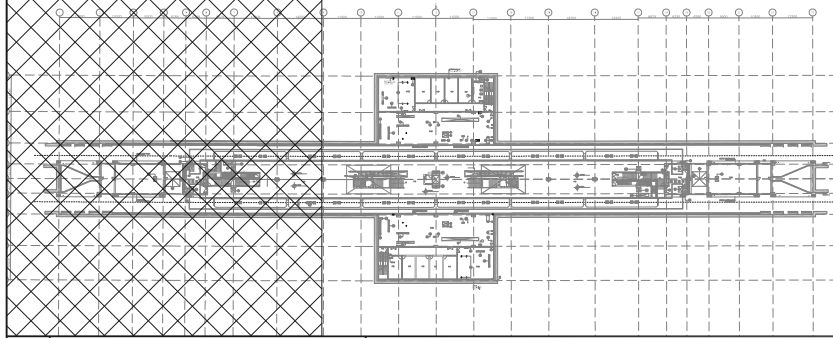
DRAWN BY: SURJEER		CHECKED BY: H.O.B		VERIFIED BY: LRS	
DATE: 31-03.2015	REV: R0	GRAPHICAL SCALE: 1:150		STATUS: FOR TENDER	
DRAWING NUMBER: JP-TD-FA-10CC-1304			SHEET NO. 4 OF 4	SHEET SIZE UNE A1	ORDER N° P36-0017

This drawing must not be either loaned, copied or otherwise reproduced in whole or in part or used for any purpose without the prior written permission of DMRC.



MATCH LINE FOR CONTINUATION REFER DRAWING NO. -JP-ID-FA-10CC-1402(SHEET 2 OF 3)

KEY PLAN



ROOM SCHEDULE				
S.NO.	ROOM SCHEDULE	ROOM NAME	DIMENSION (M.) (LxW)	AREA (Sq.m.)
1	U02	PAID AREA		1362.05*
2	U08	FIRST AID SPACE	3.960 x 3.960	15.68
3	U12	CLEANER'S ROOM 1	4.000 x 7.715	30.86
4	U13	REFUSE STORE 1	3.960 x 3.960	15.68
5	U18.3	DB ROOM	5.955 x 2.450	14.59
6	U18.4	DB ROOM	5.655 x 2.450	13.85
7	U25.1	AUXILIARY SUB STATION(AS)1	35.200 x 10.000	348.40*
8	U25.2	AUXILIARY SUB STATION(AS)2	35.200 x 10.000	348.40*
9	U27.1	ELECTRICAL UPS ROOM 1	11.000 x 10.300	112.83*
10	U27.2	ELECTRICAL UPS ROOM 2	11.000 x 9.750	107.25
11	U28	GSM ROOM	4.700 x 7.715	36.26
12	U29	COMA ROOM	4.000 x 7.715	30.86
13	U31.1	SEEPAGE ROOM 1	5.900 x 4.470	22.77*
14	U31.2	SEEPAGE ROOM 2	5.900 x 4.470	22.77*
15	U32	SEWAGE ROOM	3.550 x 7.715	26.34*
16	U57.1	TUNNEL VENTILATION ROOM(TVS)1	14.800 x 9.140	133.67*
17	U57.2	TUNNEL VENTILATION ROOM(TVS)2	14.800 x 9.140	133.67*
18	P58	PLATFORM SUPERVISOR BOOTH	2.550 x 2.650	6.76
19	U62	SPARE ROOM	4.000 x 7.100	28.06*
20	U63	E & M STAFF ROOM	4.000 x 7.715	30.86
21	U64	E & M STORE ROOM	4.000 x 7.715	30.86
22	U65	L & E STAFF	4.000 x 7.100	28.40
23	U66	L & E STORE	4.000 x 7.100	28.40
24	U67	TRACTION STAFF	4.000 x 7.100	28.40
25	U68	TRACTION STORE	4.150 x 7.100	29.47

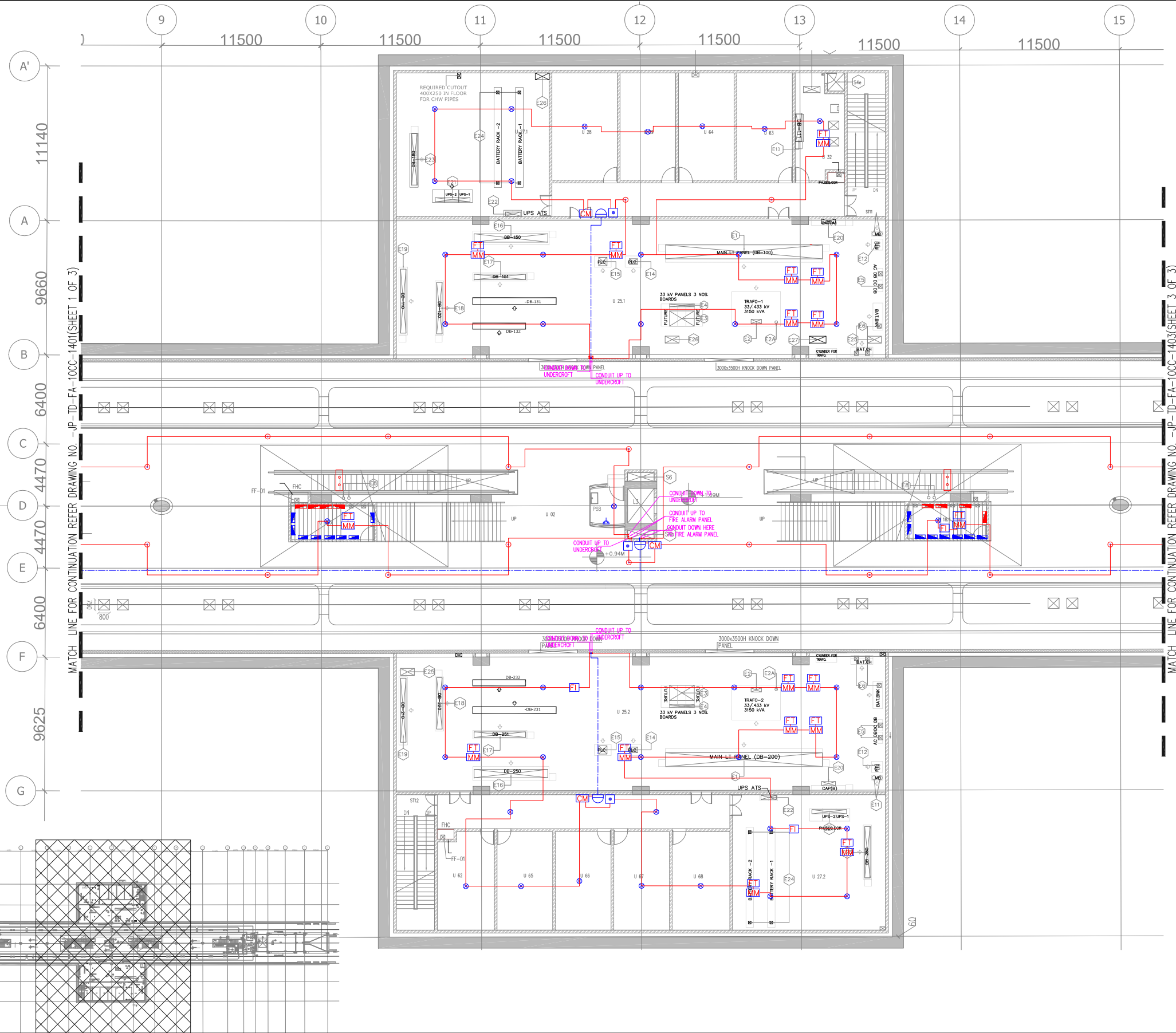
* AS PER POLY LINE

ELECTRICAL CUT OUT SCHEDULE				
CUT OUT NUMBER	PURPOSE	SIZE (M)	AREA (Sq.M)	CUTOUT POSITION
E1	MAIN LT PANEL (DB-100/200)	1.00 X 11.3	11.3	FLOOR
E2	TRAF-01 FOR HT CABLE	0.75 X 0.30	0.225	FLOOR
E2A	TRAF-01 FOR CONTROL CABLE	0.20M Ø SLEEVE	-	FLOOR
E3	HT PANEL INCOMING	1.80 X 1.10	1.98	FLOOR
E4	HT PANEL CAM	1.80 X 0.20	0.36	FLOOR
E5	AC DC DB	0.30 X 0.30	0.09	FLOOR
E6	BATTERY CHARGER & BATTERY BANK	0.30 X 0.30	0.09	FLOOR
E7	DB-155/DB-255	2.50X 0.50	1.25	FLOOR
E8	ESCALATOR CONTROL PANEL	0.20M Ø SLEEVE (8 Nos)	-	FLOOR
E9	DISTRIBUTION BOARD	0.30 X 0.20	0.60	FLOOR
ES10	ELECTRICAL CUTOFF- 2NOS	3.00 X 1.00	3.00	FLOOR
E11	RTU	0.30 M Ø SLEEVE (2 Nos)	-	FLOOR
E12	MARSHALING BOX	0.15M Ø SLEEVE (4 Nos)	-	FLOOR
E13	DB-111/DB-211	1.90 X 0.30	0.88	FLOOR
E14	PLC PANEL	0.60 X 0.40	0.24	FLOOR
E15	PLC PANEL	0.60 X 0.60	0.36	FLOOR
E16	DB-150/DB-250	5.30 X 0.60	3.18	FLOOR
E17	DB-151/DB-251	3.70 X 0.40	1.48	FLOOR
E18	DB-120/DB-220	3.70 X 0.40	1.48	FLOOR
E19	DB-110/DB-210	4.60 X 0.40	1.84	FLOOR
E20	CAPACITOR PANEL	1.00 X 0.30	0.30	FLOOR
E21	UPS-1 & UPS-2	2.50 X 0.30	0.75	FLOOR
E22	UPS ATS	1.10 X 0.30	0.33	FLOOR
E23	DB-180/280	3.70 X 0.40	1.48	FLOOR
E24	BATTERY RACK - 4NOS.	0.20 X 0.20	0.04	FLOOR
E25	2NOS. CUTOFF FOR BMS/ECS	0.30 X 0.30	0.09	FLOOR
E26	ELECTRICAL CUTOFF	1.00 X 0.50	0.5	FLOOR
E27	ELECTRICAL CUTOFF	1.20 X 0.50	0.6	FLOOR
E28	BMS CONTROL PANEL	1.20 X 0.44	0.528	FLOOR

LEGEND:-

S.N.	SYMBOL	DESCRIPTION
1		MULTIPLE SENSOR DETECTOR FOR BELOW FALSE CEILING/AT SLAB
2		MULTIPLE SENSOR DETECTOR ABOVE FALSE CEILING
3		HIGH TEMPERATURE HEAT DETECTOR
4		MULTIPLE SENSOR DETECTOR FOR BELOW FALSE FLOOR
5		DUCT DETECTOR
6		MANUAL CALL POINT
7		HOOTER WITH STROBE
8		RESPONSE INDICATOR
9		CONTROL MODULE
10		FAULT ISOLATOR
11		FIRE TRACE SYSTEM
12		MONITOR MODULE
13		FLOW SWITCH FOR HYDRANT SYSTEM
14		FLOW SWITCH FOR SPRINKLER SYSTEM
15		POWER SUPPLY UNIT
16		ZONAL ADDRESS MODULE
17		MAGNETIC LOCK
18		MAGNETIC CONTACT
19		EMERGENCY DOOR RELEASE UNIT
20		MIMIC PANEL
21		REPEATER PANEL
22		CABLE FOR FIRE ALARM LAYOUT
23		CABLE FOR BELOW FALSE FLOOR
24		CABLE FOR HOOTER CUM STROBE
25		FIRE ALARM PANEL

THIS DRAWING IS THE PROPERTY OF DELHI METRO RAIL CORPORATION LTD.	GENERAL NOTES: 1. ALL DIMENSIONS ARE IN MILLIMETERS. 2. ALL DIMENSIONS ARE TO BE READ AND NOT MEASURED. 3. ANY DISCREPANCIES MUST BE BROUGHT TO THE NOTICE OF THE DMRC BEFORE EXECUTION OF THE WORK AT SITE. 4. THIS DRAWING MUST BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL, STRUCTURAL, PLUMBING & FIRE FIGHTING, ELECTRICAL AND TRAFFIC MANAGEMENT DRAWINGS. 5. ALL DOOR/WINDOW CILL & LINTEL LEVELS ARE MEASURED FROM MAIN FLOOR FINISHED LEVELS.	REVISIONS						APPROVAL BY DMRC				Certified that this document has been designed and checked in accordance with DDC Quality Assurance Plan.			Authorised Signatory for DDC. JP/EW/1B/DDC01 Project Manager			 DELHI METRO RAIL CORPORATION LTD. Metro Bhawan , Fire Brigade Lane, Barakhamba Road, New Delhi-110001									
	REFERENCE DRAWINGS		REV	PARTICULARS	DRN.	CHD.	VER.	DATE	ISSUE DATE	REV. FOR CONSTRUCTION	DMRC APPROVAL	MGR/ARCH	DY CA (UG)-II	CA/ARCH	Architecture Design In-charge/ Coordinator	Structure Design In-charge/ Coordinator	E&M Design In-charge/ Coordinator		DETAIL DESIGN CONSULTANT (DDC) FOR CIVIL, ARCHITECTURAL & BUILDING WORKS OF TWO UNDERGROUND STATION (CHOTI CHOUPAR & BADI CHOUPAR), SHAFT AND TUNNELS OF PHASE 1B OF JAIPUR METRO	PHASE 1B JAIPUR METRO PROJECT							
		56, Indo-Asia House, Institutional Area, sector-44 Gurgaon - 122002 (Haryana)																	STATION: CHOTI CHOUPAR								
																			DRAWING TITLE: FIRE ALARM LAYOUT PLATFORM LEVEL								
																			DRAWN BY: SURJEET		CHECKED BY: H.O.B		VERIFIED BY: L.R.S		FIRE ALARM		
																			DATE: 31-03-2015		REV: R0		GRAPHICAL SCALE: 1:150			STATUS: FOR TENDER	
																			DRAWING NUMBER: JP-TD-FA-10CC-1401		SHEET NO. 1 OF 3		SHEET SIZE A1			ORDER N° P36-0017	



ROOM SCHEDULE				
S.NO.	ROOM SCHEDULE	ROOM NAME	DIMENSION (M.) (LxW)	AREA (Sq.m.)
1	U02	PAID AREA		1362.05*
2	U08	FIRST AID SPACE	3.960 x 3.960	15.68
3	U12	CLEANER'S ROOM 1	4.000 x 7.715	30.86
4	U13	REFUSE STORE 1	3.960 x 3.960	15.68
5	U18.3	DB ROOM	5.955 x 2.450	14.59
6	U18.4	DB ROOM	5.955 x 2.450	14.59
7	U25.1	AUXILIARY SUB STATION(AS)1	35.200 x 10.000	352.00*
8	U25.2	AUXILIARY SUB STATION(AS)2	35.200 x 10.000	352.00*
9	U27.1	ELECTRICAL UPS ROOM 1	11.000 x 10.300	112.83*
10	U27.2	ELECTRICAL UPS ROOM 2	11.000 x 9.750	107.25
11	U28	GSM ROOM	4.700 x 7.715	36.26
12	U29	COMA ROOM	4.000 x 7.715	30.86
13	U31.1	SEWAGE ROOM 1	5.900 x 4.470	22.77*
14	U31.2	SEWAGE ROOM 2	5.900 x 4.470	22.77*
15	U32	SEWAGE ROOM	3.550 x 7.715	26.34*
16	U57.1	TUNNEL VENTILATION ROOM(TVS)1	14.800 x 9.140	133.67*
17	U57.2	TUNNEL VENTILATION ROOM(TVS)2	14.800 x 9.140	133.67*
18	PSB	PLATFORM SUPERVISOR BOOTH	2.550 x 2.650	6.76
19	U62	SPARE ROOM	4.000 x 7.100	28.06*
20	U63	E & M STAFF ROOM	4.000 x 7.715	30.86
21	U64	E & M STAFF ROOM	4.000 x 7.715	30.86
22	U65	L & E STAFF	4.000 x 7.100	28.40*
23	U66	L & E STORE	4.000 x 7.100	28.40*
24	U67	TRACTION STAFF	4.000 x 7.100	28.40*
25	U68	TRACTION STORE	4.150 x 7.100	29.47

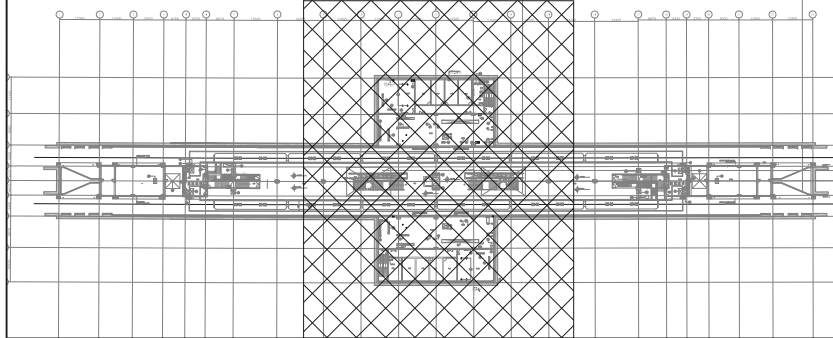
* AS PER POLY LINE

ELECTRICAL CUT OUT SCHEDULE				
CUT OUT NUMBER	PURPOSE	SIZE (M)	AREA (Sq.M)	CUTOUT POSITION
E1	MAIN LT PANEL (DB-100/200)	1.00 X 11.3	11.3	FLOOR
E2	TRAF-01 FOR HT CABLE	0.75 X 0.30	0.225	FLOOR
E2A	TRAF-01 FOR CONTROL CABLE	0.20M Ø SLEEVE	-	FLOOR
E3	HT PANEL INCOMING	1.80 X 1.10	1.98	FLOOR
E4	HT PANEL C&M	1.80 X 0.20	0.36	FLOOR
E5	AC DC DB	0.30 X 0.30	0.09	FLOOR
E6	BATTERY CHARGER & BATTERY BANK	0.30 X 0.30	0.09	FLOOR
E7	DB-155/DB-255	2.50X 0.50	1.25	FLOOR
E8	ESCALATOR CONTROL PANEL	0.20M Ø SLEEVE (8 Nos)	-	FLOOR
E9	DISTRIBUTION BOARD	0.30 X 0.20	0.60	FLOOR
ES30	ELECTRICAL CUTOFF- 2NOS	3.00 X 1.00	3.00	FLOOR
E11	RTU	0.30 M Ø SLEEVE (2 Nos)	-	FLOOR
E12	MARSHALLING BOX	0.15M Ø SLEEVE (4 Nos)	-	FLOOR
E13	DB-111/DB-211	1.90 X 0.30	0.88	FLOOR
E14	PLC PANEL	0.60 X 0.40	0.24	FLOOR
E15	PLC PANEL	0.60 X 0.60	0.36	FLOOR
E16	DB-150/DB-250	5.30 X 0.60	3.18	FLOOR
E17	DB-151/DB-251	3.70 X 0.40	1.48	FLOOR
E18	DB-120/DB-220	3.70 X 0.40	1.48	FLOOR
E19	DB-110/DB-210	4.60 X 0.40	1.84	FLOOR
E20	CAPACITOR PANEL	1.00 X 0.30	0.30	FLOOR
E21	UPS-1 & UPS-2	2.50 X 0.30	0.75	FLOOR
E22	UPS ATS	1.10 X 0.30	0.33	FLOOR
E23	DB-180/280	3.70 X 0.40	1.48	FLOOR
E24	BATTERY RACK - 4NOS.	0.20 X 0.20	0.04	FLOOR
E25	2NOS. CUTOFF FOR BMS/ECS	0.30 X 0.30	0.09	FLOOR
E26	ELECTRICAL CUTOFF	1.00 X 0.50	0.5	FLOOR
E27	ELECTRICAL CUTOFF	1.20 X 0.50	0.6	FLOOR
E28	BMS CONTROL PANEL	1.20 X 0.44	0.528	FLOOR

LEGEND:-

S.N.	SYMBOL	DESCRIPTION
1		MULTIPLE SENSOR DETECTOR FOR BELOW FALSE CEILING/AT SLAB
2		MULTIPLE SENSOR DETECTOR ABOVE FALSE CEILING
3		HIGH TEMPERATURE HEAT DETECTOR
4		MULTIPLE SENSOR DETECTOR FOR BELOW FALSE FLOOR
5		DUCT DETECTOR
6		MANUAL CALL POINT
7		HOOTER WITH STROBE
8		RESPONSE INDICATOR
9		CONTROL MODULE
10		FAULT ISOLATOR
11		FIRE TRACE SYSTEM
12		MONITOR MODULE
13		FLOW SWITCH FOR HYDRANT SYSTEM
14		FLOW SWITCH FOR SPRINKLER SYSTEM
15		POWER SUPPLY UNIT
16		ZONAL ADDRESS MODULE
17		MAGNETIC LOCK
18		MAGNETIC CONTACT
19		EMERGENCY DOOR RELEASE UNIT
20		MIMIC PANEL
21		REPEATER PANEL
22		CABLE FOR FIRE ALARM LAYOUT
23		CABLE FOR BELOW FALSE FLOOR
24		CABLE FOR HOOTER CUM STROBE
25		FIRE ALARM PANEL

KEY PLAN



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

REFERENCE DRAWINGS

Drg. No. Description

REVISIONS

APPROVAL BY DMRC

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

Authorised Signatory for DDC.
JP/EW/1B/DDC01 Project Manager

Architecture
Design In-charge/ Coordinator

Structure
Design In-charge/ Coordinator

E&M
Design In-charge/ Coordinator

DETAIL DESIGN CONSULTANT (DDC) FOR CIVIL, ARCHITECTURAL & BUILDING WORKS OF TWO UNDERGROUND STATION (CHOTI CHOUPAR & BADI CHOUPAR), SHAFT AND TUNNELS OF PHASE 1B OF JAIPUR METRO

ayesa Engineering, Information, Imagination.

56, Indo-Asia House, Institutional Area, sector-44
Gurgaon - 122002 (Haryana)

DELHI METRO RAIL CORPORATION LTD.
Metro Bhawan , Fire Brigade Lane, Barakhamba Road, New Delhi-110001

PHASE 1B JAIPUR METRO PROJECT

STATION: CHOTI CHOUPAR

DRAWING TITLE: FIRE ALARM LAYOUT PLATFORM LEVEL

DRAWN BY:

SURJEET

CHECKED BY:

H.O.B

VERIFIED BY:

L.R.S

DATE:

31-03-2015

REV:

R0

GRAPHICAL SCALE:

1:150

STATUS:

FOR TENDER

DRAWING NUMBER:

JP-TD-FA-10CC-1402

SHEET NO.

2 OF 3

SHEET SIZE

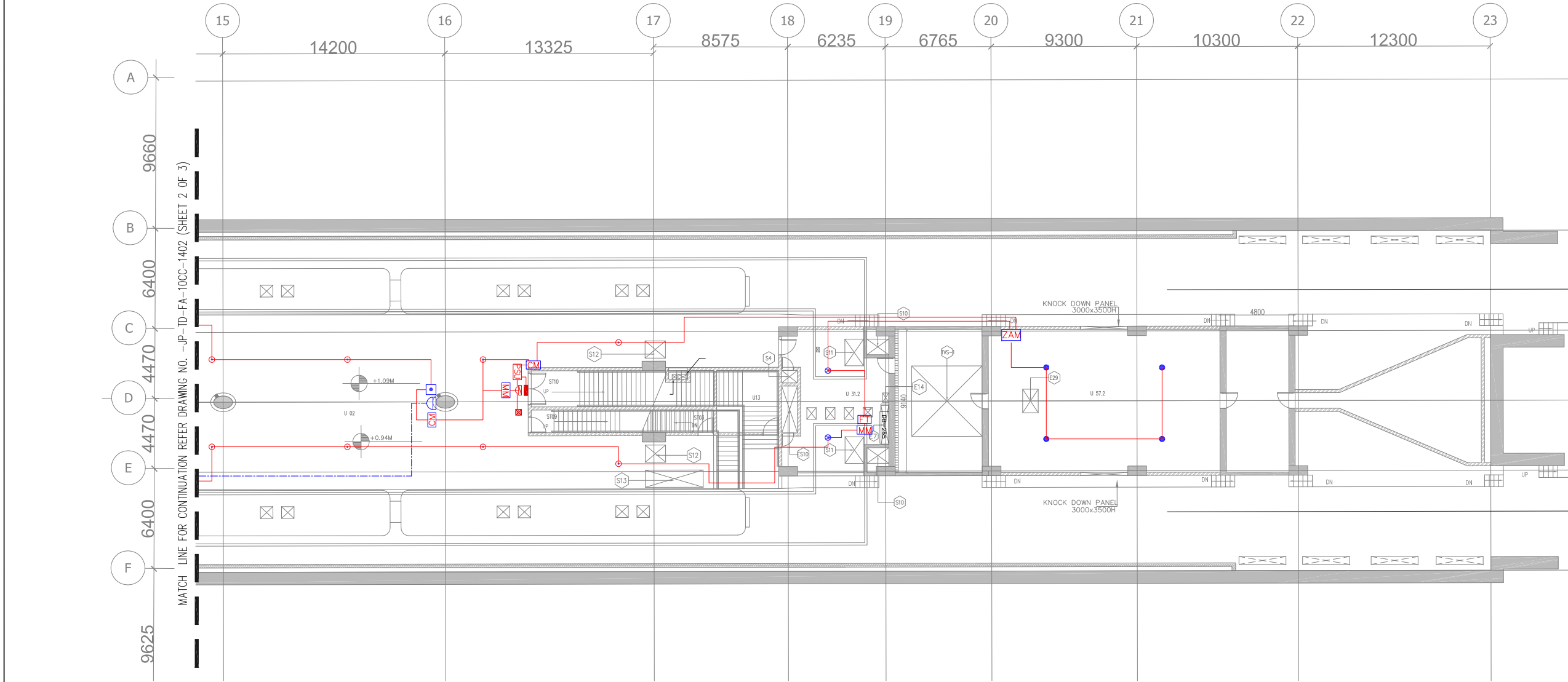
ORDER N°

A1

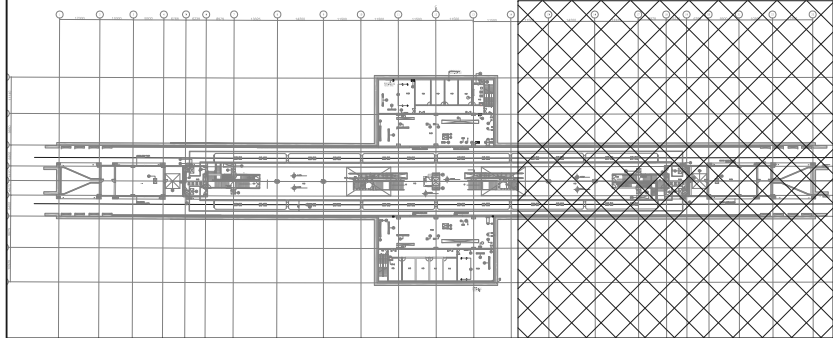
P36-0017

JP/EW/1B/DDC01

This drawing must not be either loaned, copied or otherwise reproduced in whole or in part or used for any purpose without the prior written permission of DMRC.



KEY PLAN



ROOM SCHEDULE				
S.NO.	ROOM SCHEDULE	ROOM NAME	DIMENSION (M.) (LxW)	AREA (Sq.m.)
1	U02	PAID AREA		1362.05*
2	U08	FIRST AID SPACE	3.960 x 3.960	15.68
3	U12	CLEANER'S ROOM 1	4.000 x 7.715	30.86
4	U13	REFUSE STORE 1	3.960 x 3.960	15.68
5	U18.3	DB ROOM	5.955 x 2.450	14.59
6	U18.4	DB ROOM	5.655 x 2.450	13.85
7	U25.1	AUXILIARY SUB STATION(AS)1	35.200 x 10.000	348.40*
8	U25.2	AUXILIARY SUB STATION(AS)2	35.200 x 10.000	348.40*
9	U27.1	ELECTRICAL UPS ROOM 1	11.000 x 10.300	112.83*
10	U27.2	ELECTRICAL UPS ROOM 2	11.000 x 9.750	107.25
11	U28	GSM ROOM	4.700 x 7.715	36.26
12	U29	COMA ROOM	4.000 x 7.715	30.86
13	U31.1	SEEPAGE ROOM 1	5.900 x 4.470	22.77*
14	U31.2	SEEPAGE ROOM 2	5.900 x 4.470	22.77*
15	U32	SEEWAGE ROOM	3.550 x 7.715	26.34*
16	U57.1	TUNNEL VENTILATION ROOM(TVS)1	14.800 x 9.140	133.67*
17	U57.2	TUNNEL VENTILATION ROOM(TVS)2	14.800 x 9.140	133.67*
18	PSB	PLATFORM SUPERVISOR BOOTH	2.550 x 2.650	6.76
19	U62	SPARE ROOM	4.000 x 7.100	28.06*
20	U63	E & M STAFF ROOM	4.000 x 7.715	30.86
21	U64	E & M STORE ROOM	4.000 x 7.715	30.86
22	U65	L & E STAFF	4.000 x 7.100	28.40
23	U66	L & E STORE	4.000 x 7.100	28.40
24	U67	TRACTION STAFF	4.000 x 7.100	28.40
25	U68	TRACTION STORE	4.150 x 7.100	29.47

* AS PER POLY LINE

ELECTRICAL CUT OUT SCHEDULE				
CUT OUT NUMBER	PURPOSE	SIZE (M)	AREA (Sq.M)	CUTOUT POSITION
E1	MAIN LT PANEL (DB-100/200)	1.00 X 11.3	11.3	FLOOR
E2	TRAF-01 FOR HT CABLE	0.75 X 0.30	0.225	FLOOR
E2A	TRAF-01 FOR CONTROL CABLE	0.20M Ø SLEEVE	-	FLOOR
E3	HT PANEL INCOMING	1.80 X 1.10	1.98	FLOOR
E4	HT PANEL CAM	1.80 X 0.20	0.36	FLOOR
E5	AC DC DB	0.30 X 0.30	0.09	FLOOR
E6	BATTERY CHARGER & BATTERY BANK	0.30 X 0.30	0.09	FLOOR
E7	DB-155/DB-255	2.50X 0.50	1.25	FLOOR
E8	ESCALATOR CONTROL PANEL	0.20M Ø SLEEVE (8 Nos)	-	FLOOR
E9	DISTRIBUTION BOARD	0.30 X 0.20	0.60	FLOOR
ES10	ELECTRICAL CUTOFF- 2NOS	3.00 X 1.00	3.00	FLOOR
E11	RTU	0.30 M Ø SLEEVE (2 Nos)	-	FLOOR
E12	MARSHALLING BOX	0.15M Ø SLEEVE (4 Nos)	-	FLOOR
E13	DB-111/DB-211	1.90 X 0.30	0.88	FLOOR
E14	PLC PANEL	0.60 X 0.40	0.24	FLOOR
E15	PLC PANEL	0.60 X 0.40	0.36	FLOOR
E16	DB-150/DB-250	5.30 X 0.60	3.18	FLOOR
E17	DB-151/DB-251	3.70 X 0.40	1.48	FLOOR
E18	DB-120/DB-220	3.70 X 0.40	1.48	FLOOR
E19	DB-110/DB-210	4.60 X 0.40	1.84	FLOOR
E20	CAPACITOR PANEL	1.00 X 0.30	0.30	FLOOR
E21	UPS-1 & UPS-2	2.50 X 0.30	0.75	FLOOR
E22	UPS ATS	1.10 X 0.30	0.33	FLOOR
E23	DB-180/280	3.70 X 0.40	1.48	FLOOR
E24	BATTERY RACK - 4NOS.	0.20 X 0.20	0.04	FLOOR
E25	2NOS. CUTOFF FOR BMS/ECS	0.30 X 0.30	0.09	FLOOR
E26	ELECTRICAL CUTOFF	1.00 X 0.50	0.5	FLOOR
E27	ELECTRICAL CUTOFF	1.20 X 0.50	0.6	FLOOR
E28	BMS CONTROL PANEL	1.20 X 0.44	0.528	FLOOR

LEGEND:-

S.N.	SYMBOL	DESCRIPTION
1	⊗	MULTIPLE SENSOR DETECTOR FOR BELOW FALSE CEILING/AT SLAB
2	⊙	MULTIPLE SENSOR DETECTOR ABOVE FALSE CEILING
3	⊗	HIGH TEMPERATURE HEAT DETECTOR
4	⊙	MULTIPLE SENSOR DETECTOR FOR BELOW FALSE FLOOR
5	□	DUCT DETECTOR
6	□	MANUAL CALL POINT
7	□	HOOTER WITH STROBE
8	→	RESPONSE INDICATOR
9	CM	CONTROL MODULE
10	F.I.	FAULT ISOLATOR
11	F.T	FIRE TRACE SYSTEM
12	MM	MONITOR MODULE
13	F.SH	FLOW SWITCH FOR HYDRANT SYSTEM
14	F.SS	FLOW SWITCH FOR SPRINKLER SYSTEM
15	PSU	POWER SUPPLY UNIT
16	ZAM	ZONAL ADDRESS MODULE
17	⊗	MAGNETIC LOCK
18	⊗	MAGNETIC CONTACT
19	⊗	EMERGENCY DOOR RELEASE UNIT
20	M.P	MIMIC PANEL
21	⊗	REPEATER PANEL
22	---	CABLE FOR FIRE ALARM LAYOUT
23	---	CABLE FOR BELOW FALSE FLOOR
24	---	CABLE FOR HOOTER CUM STROBE
25	⊗	FIRE ALARM PANEL

THIS DRAWING IS THE PROPERTY OF DELHI METRO RAIL CORPORATION LTD.

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

REFERENCE DRAWINGS	
Dwg. No.	Description

REV	PARTICULARS	DRN.	CHD.	VER.	DATE	ISSUE DATE	REV. FOR CONSTRUCTION

APPROVAL BY DMRC			
DMRC APPROVAL	MGR/ARCH	DY CA (UG)-II	CA/ARCH
DY CSTE/TELECOM	CSTE-I	DY CE/DESIGN	CE/TECH
DY CSTE/AFC		ED/IS&T	CSO
DY CSTE/SIGNALLING	CSTE-II	GM/O	GMM
DY CE/PLANNING	DY CEE/E&M	DY CEE/ECS	ED/ELEC-II
DY CEE/EJUG-TR	CGM(E) UG-TR	PM	CPM

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

Authorised Signatory for DDC.
JP/EW/1B/DDC01 Project Manager

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

DETAIL DESIGN CONSULTANT (DDC) FOR CIVIL, ARCHITECTURAL & BUILDING WORKS OF TWO UNDERGROUND STATION (CHOTI CHOUPAR & BADI CHOUPAR), SHAFT AND TUNNELS OF PHASE 1B OF JAIPUR METRO

ayesa Engineering, Information, Imagination.

56, Indo-Asia House, Institutional Area, sector-44 Gurgaon - 122002 (Haryana)

DELHI METRO RAIL CORPORATION LTD.
Metro Bhawan , Fire Brigade Lane, Barakhamba Road, New Delhi-110001

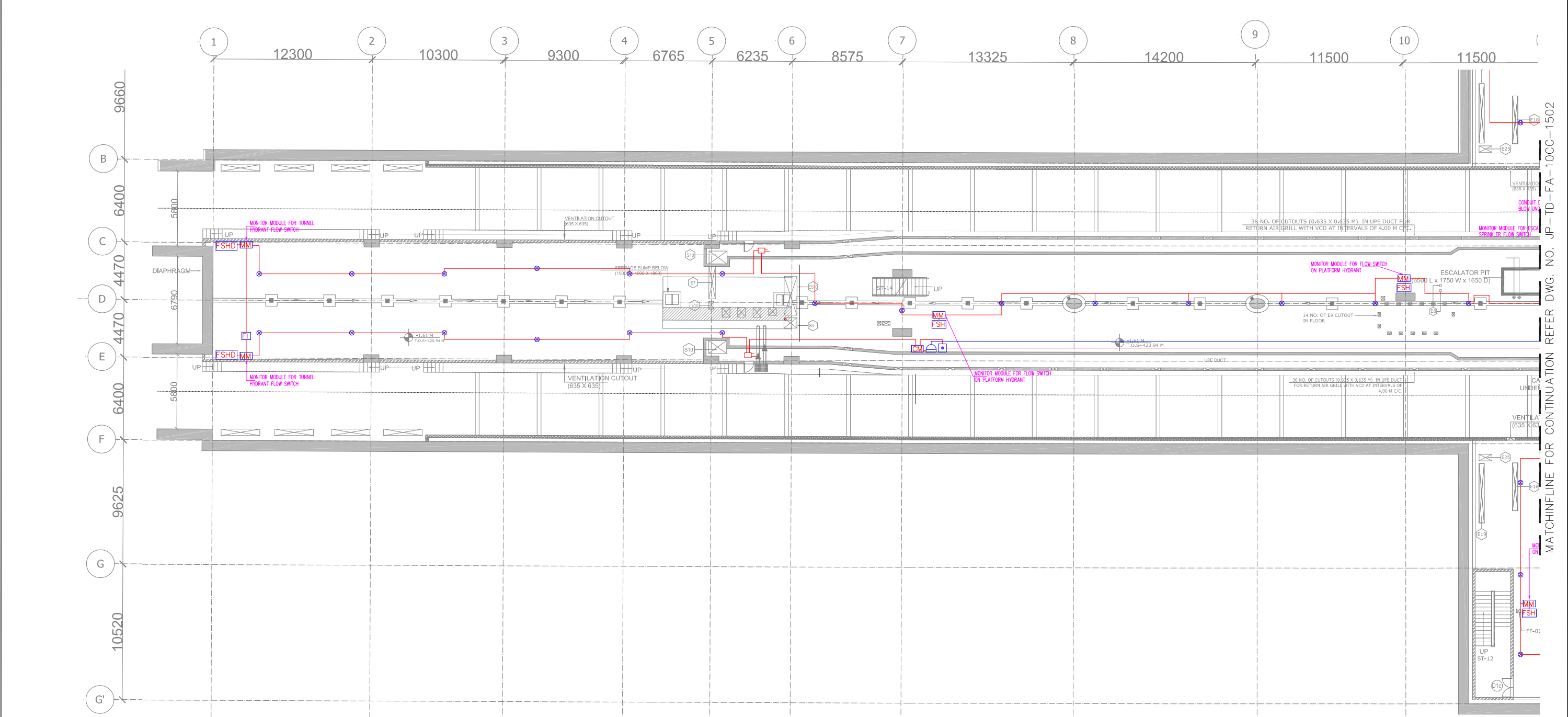
PHASE 1B JAIPUR METRO PROJECT

STATION: CHOTI CHOUPAR

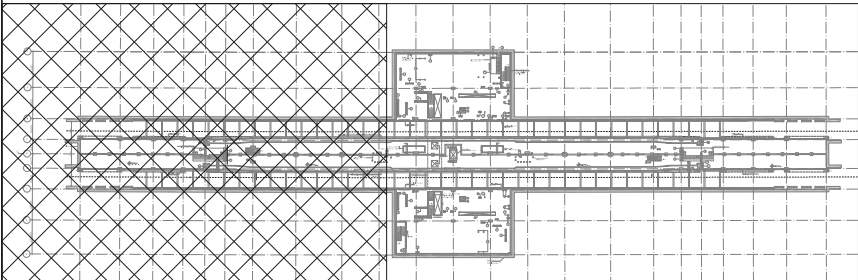
DRAWING TITLE: FIRE ALARM LAYOUT - PLATFORM LEVEL

DRAWN BY: SURJEET	CHECKED BY: H.O.B	VERIFIED BY: L.R.S
DATE: 31-03-2015	REV: R0	GRAPHICAL SCALE: 1:150
DRAWING NUMBER: JP-TD-FA-10CC-1403	SHEET NO. 3 OF 3	SHEET SIZE A1
ORDER N° P36-0017	FOR TENDER	

This drawing must not be either loaned, copied or otherwise reproduced in whole or in part or used for any purpose without the prior written permission of DMRC.



KEY PLAN



LEGEND: -	
S.N.	DESCRIPTION
1	MULTIPLE SENSOR DETECTOR FOR BELOW FALSE CEILING/AT SLAB
2	MULTIPLE SENSOR DETECTOR ABOVE FALSE CEILING
3	HIGH TEMPERATURE HEAT DETECTOR
4	MULTIPLE SENSOR DETECTOR FOR BELOW FALSE FLOOR
5	DUCT DETECTOR
6	MANUAL CALL POINT
7	HOOTER WITH STROBE
8	RESPONSE INDICATOR
9	CONTROL MODULE
10	FAULT ISOLATOR
11	FIRE TRACE SYSTEM
12	MONITOR MODULE

13	FSH	FLOW SWITCH FOR HYDRANT SYSTEM
14	FSS	FLOW SWITCH FOR SPRINKLER SYSTEM
15	PSU	POWER SUPPLY UNIT
16	ZAM	ZONAL ADDRESS MODULE
17		MAGNETIC LOCK
18		MAGNETIC CONTACT
19		EMERGENCY DOOR RELEASE UNIT
20	M.P.	MIMIC PANEL
21		REPEATER PANEL
22		CABLE FOR FIRE ALARM LAYOUT
23		CABLE FOR BELOW FALSE FLOOR
24		CABLE FOR HOOTER CUM STROBE
25		FIRE ALARM PANEL

THIS DRAWING IS THE PROPERTY OF DELHI METRO RAIL CORPORATION LTD.

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

REFERENCE DRAWINGS

Dwg. No.	Description

REVISIONS

REV	PARTICULARS	DRN.	CHD.	VER.	DATE	ISSUE DATE	REV. FOR CONSTRUCTION

APPROVAL BY DMRC

DMRC APPROVAL	MGR/ARCH	DY CA (UG)-III	CA/ARCH
DY CSTE/TELECOM	CSTE-I	DY CE/DESIGN	CE/TECH
DY CSTE/AFC		ED/S&T	CSO
DY CSTE/SIGNALLING	CSTE-II	GM/O	GMM
DY CE/PLANNING	DY CEE/E&M	DY CEE/ECS	ED/ELEC-II
DY CEE/(E)UG-TR	CGM(E) UG-TR	PM	CPM

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

Authorised Signatory for DDC.
JP/EW/1B/DDC01 Project Manager

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

DETAIL DESIGN CONSULTANT (DDC) FOR CIVIL, ARCHITECTURAL & BUILDING WORKS OF TWO UNDERGROUND STATION (CHOTI CHOUPAR & BADI CHOUPAR), SHAFT AND TUNNELS OF PHASE 1B OF JAIPUR METRO

ayesa

56, Indo-Asia House, Institutional Area, sector-44
Gurgaon - 122002 (Haryana)

DELHI METRO RAIL CORPORATION LTD.
Metro Bhawan , Fire Brigade Lane, Barakhamba Road, New Delhi-110001

PHASE 1B JAIPUR METRO PROJECT

STATION: **CHOTI CHOUPAR**

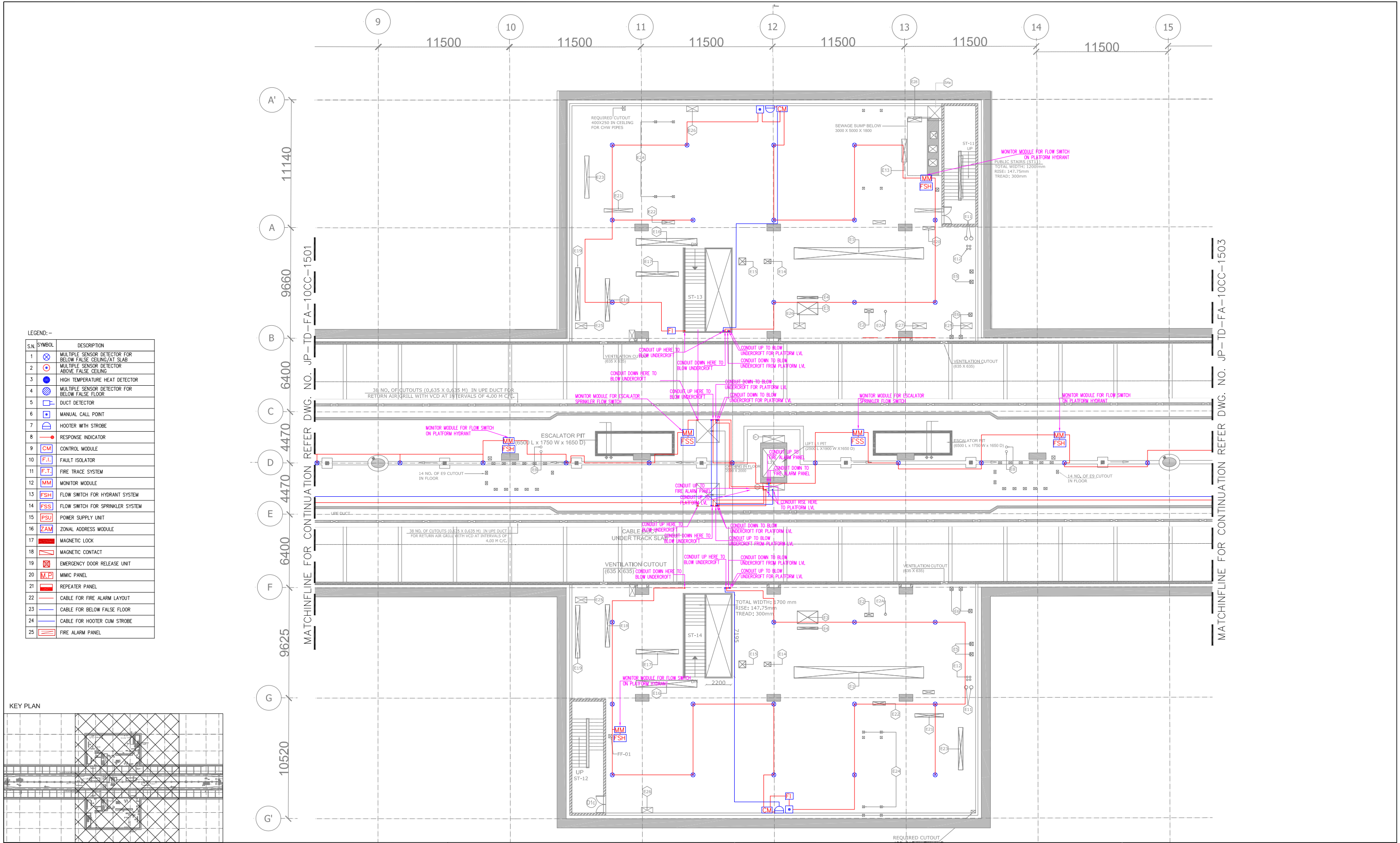
DRAWING TITLE: FIRE ALARM LAYOUT UNDERCROFT LEVEL

DRAWN BY:	CHECKED BY:	VERIFIED BY:
SURJEET	H.O.B	LRS

DATE:	REV:	GRAPHICAL SCALE:	STATUS:
31-03-2015	R0	1:150	FOR TENDER

DRAWING NUMBER:	SHEET NO.	SHEET SIZE	ORDER N°
JP-TD-FA-10CC-1501	1 OF 3	UNE A1	P36-0017

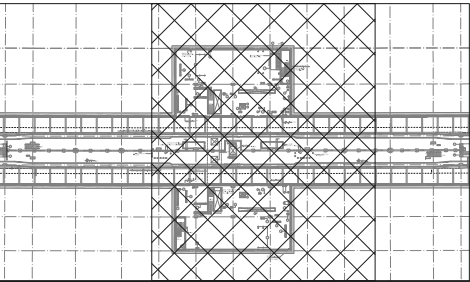
This drawing must not be either loaned, copied or otherwise reproduced in whole or in part or used for any purpose without the prior written permission of DMRC.



LEGEND: -

S.N.	SYMBOL	DESCRIPTION
1		MULTIPLE SENSOR DETECTOR FOR BELOW FALSE CEILING/AT SLAB
2		MULTIPLE SENSOR DETECTOR ABOVE FALSE CEILING
3		HIGH TEMPERATURE HEAT DETECTOR
4		MULTIPLE SENSOR DETECTOR FOR BELOW FALSE FLOOR
5		DUCT DETECTOR
6		MANUAL CALL POINT
7		HOOTER WITH STROBE
8		RESPONSE INDICATOR
9		CONTROL MODULE
10		FAULT ISOLATOR
11		FIRE TRACE SYSTEM
12		MONITOR MODULE
13		FLOW SWITCH FOR HYDRANT SYSTEM
14		FLOW SWITCH FOR SPRINKLER SYSTEM
15		POWER SUPPLY UNIT
16		ZONAL ADDRESS MODULE
17		MAGNETIC LOCK
18		MAGNETIC CONTACT
19		EMERGENCY DOOR RELEASE UNIT
20		MIMIC PANEL
21		REPEATER PANEL
22		CABLE FOR FIRE ALARM LAYOUT
23		CABLE FOR BELOW FALSE FLOOR
24		CABLE FOR HOOTER CUM STROBE
25		FIRE ALARM PANEL

KEY PLAN



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

REFERENCE DRAWINGS	
Dwg. No.	Description

REVISIONS

REV	PARTICULARS	DRN.	CHD.	VER.	DATE	ISSUE DATE	REV. FOR CONSTRUCTION

APPROVAL BY DMRC

DMRC APPROVAL	MGR/ARCH	DY CA (UG)-III	CA/ARCH
DY CSTE/TELECOM	CSTE-I	DY CE/DESIGN	CE/TECH
DY CSTE/AFC		ED/S&T	CSO
DY CSTE/SIGNALLING	CSTE-II	GM/O	GMM
DY CE/PLANNING	DY CEE/E&M	DY CEE/ECS	ED/ELEC -II
DY CEE/(E)UG-TR	CGM(E) UG-TR	PM	CPM

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

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

DETAIL DESIGN CONSULTANT (DDC) FOR CIVIL, ARCHITECTURAL & BUILDING WORKS OF TWO UNDERGROUND STATION (CHOTI CHOUPAR & BADI CHOUPAR), SHAFT AND TUNNELS OF PHASE 1B OF JAIPUR METRO



56, Indo-Asia House, Institutional Area, sector-44 Gurgaon - 122002 (Haryana)

Authorised Signatory for DDC.
JP/EW/1B/DDC01 Project Manager

DELHI METRO RAIL CORPORATION LTD.
Metro Bhawan , Fire Brigade Lane, Barakhamba Road, New Delhi-110001

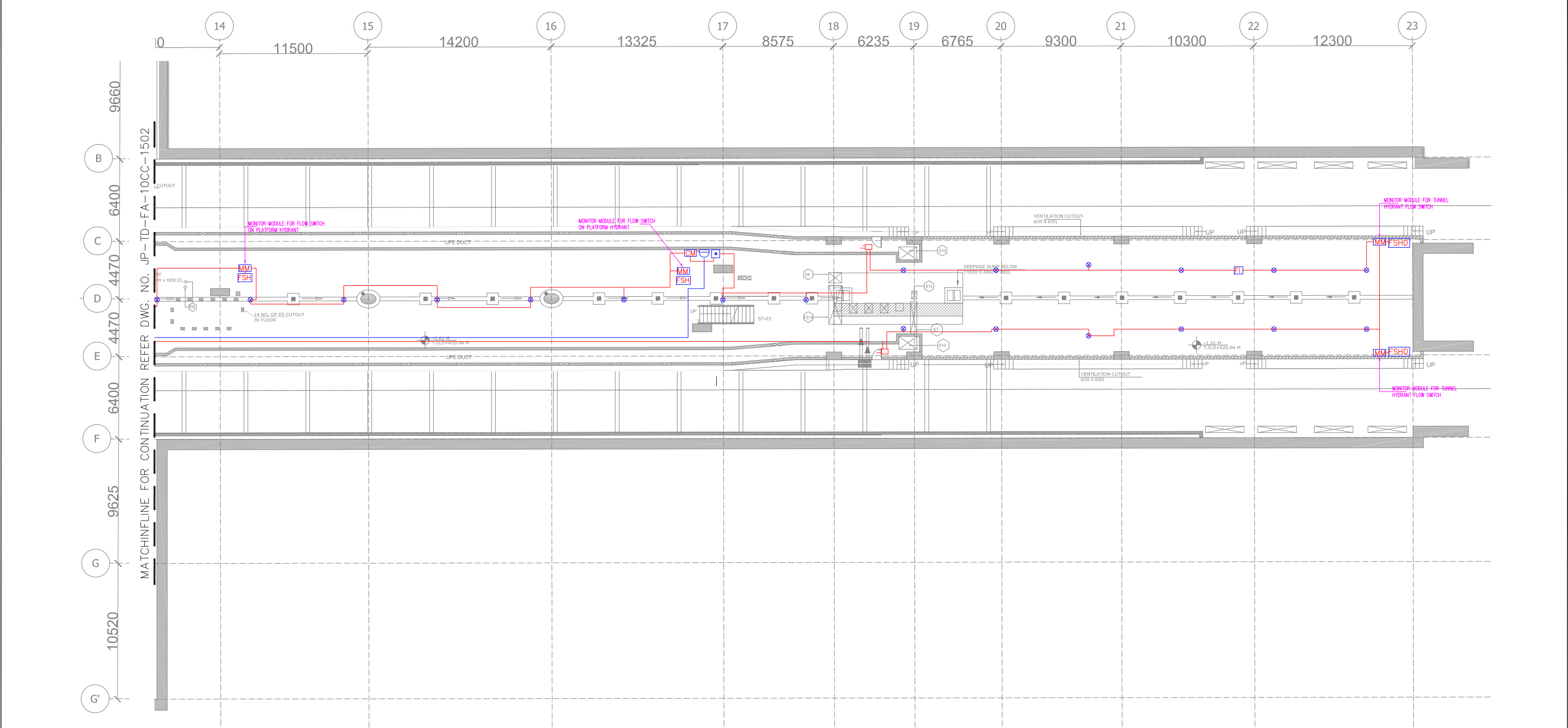
PHASE 1B JAIPUR METRO PROJECT

STATION: **CHOTI CHOUPAR**

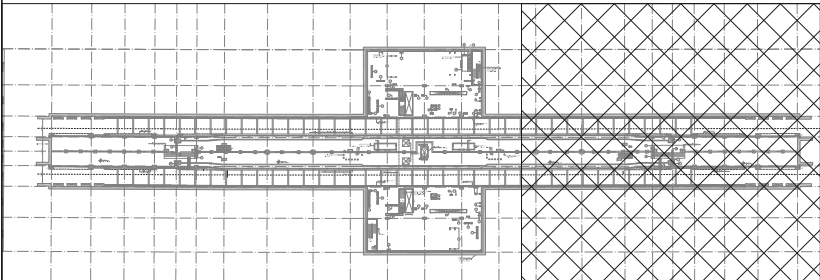
DRAWING TITLE: FIRE ALARM LAYOUT UNDERCROFT LEVEL

DRAWN BY: SURJEET	CHECKED BY: H.O.B	VERIFIED BY: LRS	JP/EW/1B/DDC01 FIRE ALARM
DATE: 31-03-2015	REV: R0	GRAPHICAL SCALE: 1:150	
DRAWING NUMBER: JP-TD-FA-10CC-1502	SHEET NO. 2 OF 3	SHEET SIZE UNE A1	

This drawing must not be either loaned, copied or otherwise reproduced in whole or in part or used for any purpose without the prior written permission of DMRC.



KEY PLAN

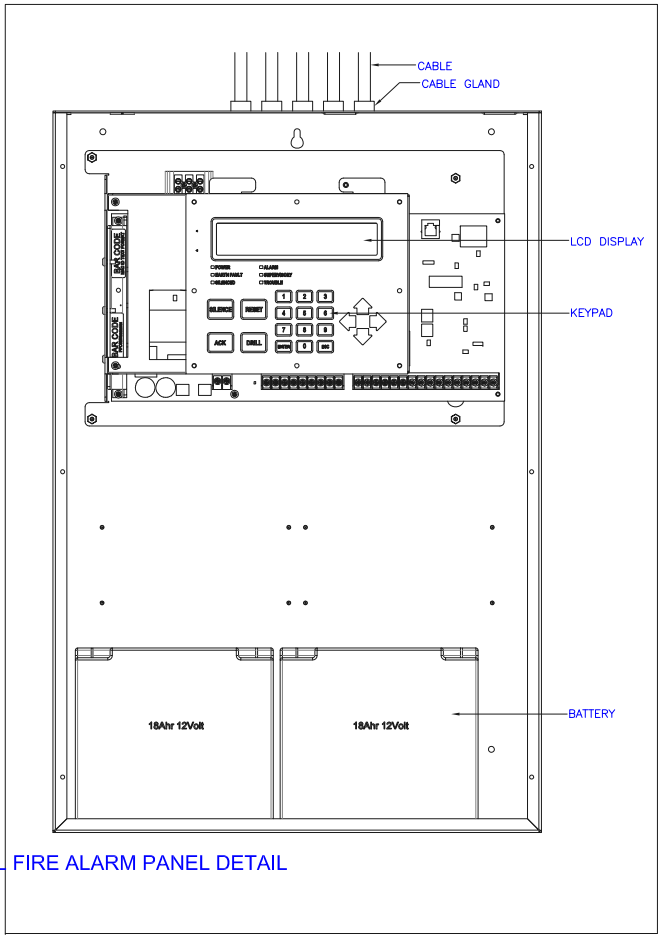


LEGEND: -

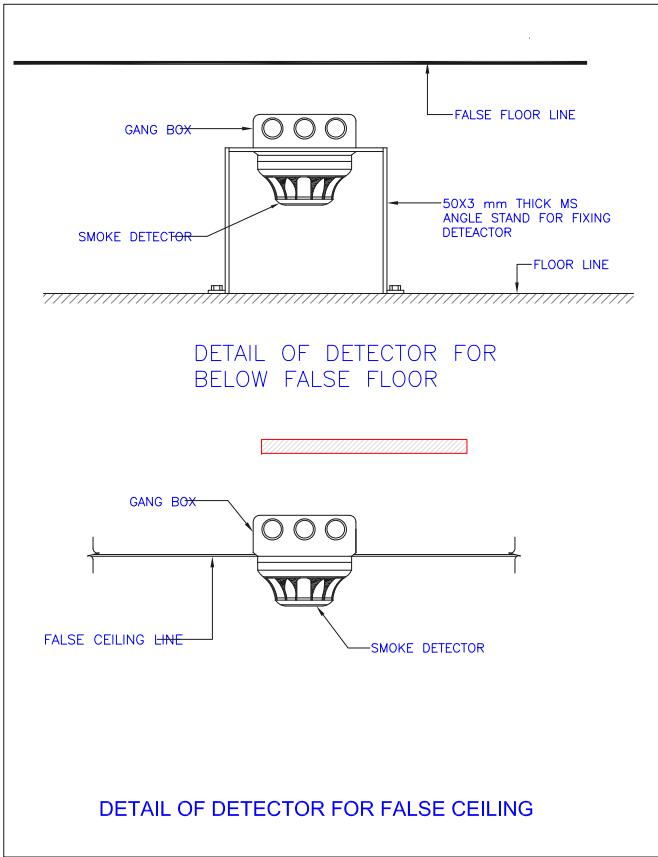
S.N.	SYMBOL	DESCRIPTION
1		MULTIPLE SENSOR DETECTOR FOR BELOW FALSE CEILING/AT SLAB
2		MULTIPLE SENSOR DETECTOR ABOVE FALSE CEILING
3		HIGH TEMPERATURE HEAT DETECTOR
4		MULTIPLE SENSOR DETECTOR FOR BELOW FALSE FLOOR
5		DUCT DETECTOR
6		MANUAL CALL POINT
7		HOOTER WITH STROBE
8		RESPONSE INDICATOR
9		CONTROL MODULE
10		FAULT ISOLATOR
11		FIRE TRACE SYSTEM
12		MONITOR MODULE

13		FLOW SWITCH FOR HYDRANT SYSTEM
14		FLOW SWITCH FOR SPRINKLER SYSTEM
15		POWER SUPPLY UNIT
16		ZONAL ADDRESS MODULE
17		MAGNETIC LOCK
18		MAGNETIC CONTACT
19		EMERGENCY DOOR RELEASE UNIT
20		MIMIC PANEL
21		REPEATER PANEL
22		CABLE FOR FIRE ALARM LAYOUT
23		CABLE FOR BELOW FALSE FLOOR
24		CABLE FOR HOOTER CUM STROBE
25		FIRE ALARM PANEL

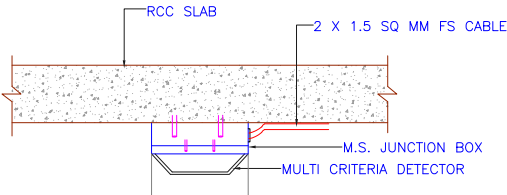
THIS DRAWING IS THE PROPERTY OF DELHI METRO RAIL CORPORATION LTD.	GENERAL NOTES: 1. ALL DIMENSIONS ARE IN MILLIMETERS. 2. ALL DIMENSIONS ARE TO BE READ AND NOT MEASURED. 3. ANY DISCREPANCIES MUST BE BROUGHT TO THE NOTICE OF THE DMRC BEFORE EXECUTION OF THE WORK AT SITE. 4. THIS DRAWING MUST BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL, STRUCTURAL, PLUMBING & FIRE FIGHTING, ELECTRICAL AND TRAFFIC MANAGEMENT DRAWINGS. 5. ALL DOOR/WINDOW CILL & LINTEL LEVELS ARE MEASURED FROM MAIN FLOOR FINISHED LEVELS.							REVISIONS							APPROVAL BY DMRC				Certified that this document has been designed and checked in accordance with DDC Quality Assurance Plan.			Authorised Signatory for DDC. JP/EW/1B/DDC01 Project Manager			 DELHI METRO RAIL CORPORATION LTD. Metro Bhawan , Fire Brigade Lane, Barakhamba Road, New Delhi-110001		
	REFERENCE DRAWINGS							REV	PARTICULARS	DRN.	CHD.	VER.	DATE	ISSUE DATE	REV. FOR CONSTRUCTION	DMRC APPROVAL	MGR/ARCH	DY CA (UG)-III	CA/ARCH	Architecture Design In-charge/ Coordinator	Structure Design In-charge/ Coordinator	E&M Design In-charge/ Coordinator	PHASE 1B JAIPUR METRO PROJECT				
	Drg. No.		Description													DY CSTE/TELECOM	CSTE-I	DY CE/DESIGN	CE/TECH	STATION: CHOTI CHOUPAR							
																DY CSTE/AFC		ED/S&T	CSO	DRAWING TITLE: FIRE ALARM LAYOUT UNDERCROFT LEVEL							
																DY CSTE/SIGNALLING	CSTE-III	GMO	GMM	DRAWN BY: SURJEET							
																DY CE/PLANNING	DY CEE/E&M	DY CEE/ECS	ED/ELEC-II	CHECKED BY: H.O.B							
																DY CEE/(E)UG-TR	CGME/(E)UG-TR	PM	CPM	VERIFIED BY: LRS							
														DATE: 31-03-2015													
														REV: R0													
														GRAPHICAL SCALE: 1:150													
													STATUS: FOR TENDER														
													DRAWING NUMBER: JP-TD-FA-10CC-1503														
													SHEET NO. 3 OF 3														
													SHEET SIZE UNE A1														
													ORDER N° P36-0017														
													JP/EW/1B/DDC01														
													FIRE ALARM														
													56, Indo-Asia House, Institutional Area, sector-44 Gurgaon - 122002 (Haryana)														
													This drawing must not be either loaned, copied or otherwise reproduced in whole or in part or used for any purpose without the prior written permission of DMRC.														



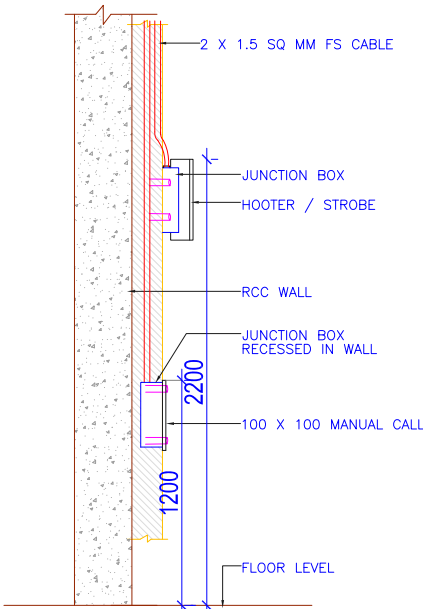
TYPICAL FIRE ALARM PANEL DETAIL



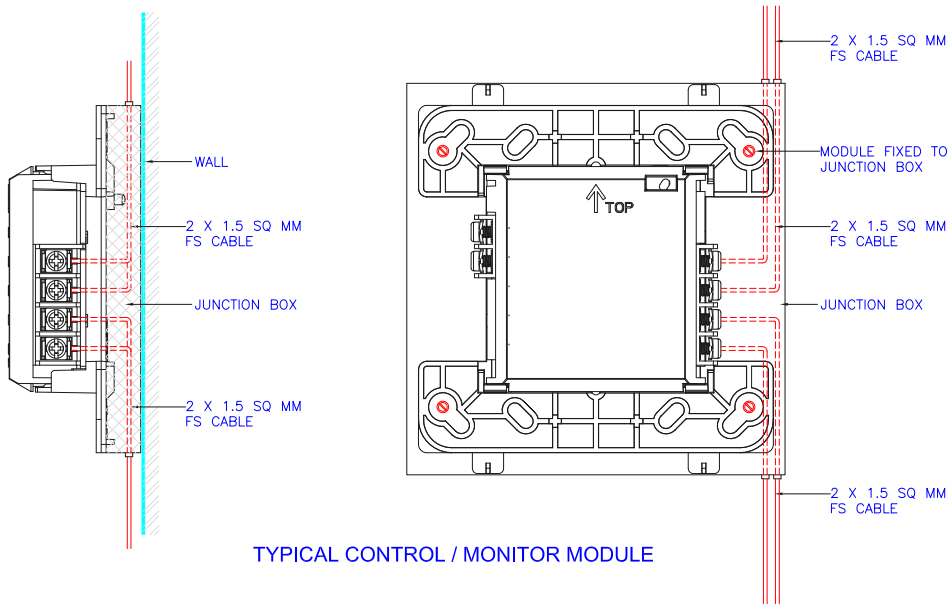
THE DETAILS ARE TYPICAL AND SHALL DEPEND ON THE MAKE FOR INSTALLATION DETAIL. DUCT DETECTOR SHALL BE SCREWED ONTO THE DUCT BODY. CONTROL MODULE, MONITOR MODULE AND FAULT ISOLATOR SHALL HAVE SAME DETAIL.



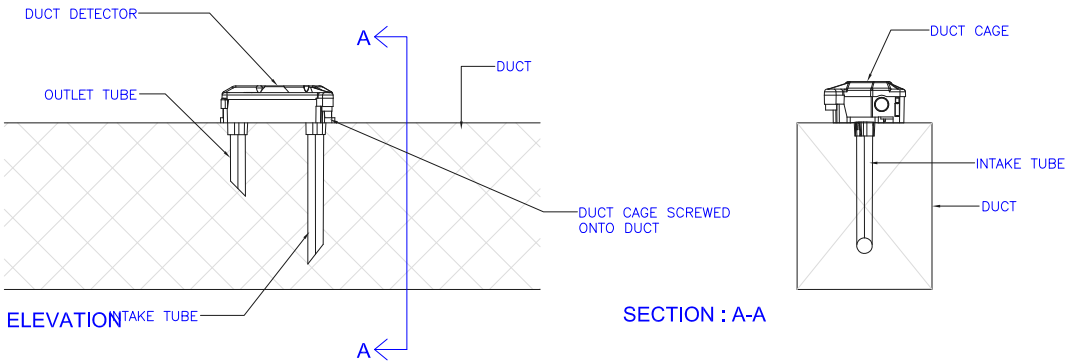
INSTALLATION DETAILS FOR ANY TYPE DETECTOR LOCATED ON TRUE CEILING



INSTALLATION DETAILS FOR HOOTER & MANUAL CALL BOX MODULES LOCATED ON WALL



TYPICAL CONTROL / MONITOR MODULE



DETAIL OF DUCT DETECTOR

THIS DRAWING IS THE PROPERTY OF DELHI METRO RAIL CORPORATION LTD.	GENERAL NOTES: 1. ALL DIMENSIONS ARE IN MILLIMETERS. 2. ALL DIMENSIONS ARE TO BE READ AND NOT MEASURED. 3. ANY DISCREPANCIES MUST BE BROUGHT TO THE NOTICE OF THE DMRC BEFORE EXECUTION OF THE WORK AT SITE. 4. THIS DRAWING MUST BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL, STRUCTURAL, PLUMBING & FIRE FIGHTING, ELECTRICAL AND TRAFFIC MANAGEMENT DRAWINGS. 5. ALL DOOR/WINDOW CILL & LINTEL LEVELS ARE MEASURED FROM MAIN FLOOR FINISHED LEVELS.		REVISIONS						APPROVAL BY DMRC				Certified that this document has been designed and checked in accordance with DDC Quality Assurance Plan.			Authorised Signatory for DDC. JP/EW/1B/DDC01 Project Manager			 DELHI METRO RAIL CORPORATION LTD. Metro Bhawan , Fire Brigade Lane, Barakhamba Road, New Delhi-110001						
	REFERENCE DRAWINGS								DMRC APPROVAL				MGR/ARCH		DY CA (UG)-III		CA/ARCH		PHASE 1B JAIPUR METRO PROJECT						
	Drg. No.								Description				DY CSTE/TELECOM				CSTE-I		DY CE/DESIGN		CE/TECH		DETAIL DESIGN CONSULTANT (DDC) FOR CIVIL, ARCHITECTURAL & BUILDING WORKS OF TWO UNDERGROUND STATION (CHOTI CHOUPAR & BADI CHOUPAR), SHAFT AND TUNNELS OF PHASE 1B OF JAIPUR METRO  Engineering, Information, Imagination. 56, Indo-Asia House, Institutional Area, sector-44 Gurgaon - 122002 (Haryana)		
													DY CSTE/AFC						ED/S&T		CSO				
													DY CSTE/SIGNALLING				CSTE-II		GM/O		GMM				
													DY CE/PLANNING				DY CEE/E&M		DY CEE/ECS		ED/ELEC-II				
							DY CEE(E)UG-TR				CGM(E) UG-TR		PM		CPM										
							REV				PARTICULARS		DRN.		CHD.		VER.		DATE		ISSUE DATE		REV. FOR CONSTRUCTION		